



Cook County, Illinois

Actuarial Study of the Workers Compensation and Liability Self-Insured Programs as of November 30, 2014

May 19, 2015



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Cook County
118 North Clark Street, Room 1072
Chicago, Illinois 60602

Attn: Ms. Deanna Zalas
Director of Risk Management

**Actuarial Study of the
Workers Compensation and Liability
Self-Insured Programs
as of November 30, 2014**

This study has been completed for Cook County for the specific objectives listed in the study. It contains the analysis and conclusions of our work.

Each section and appendix of the study is an integral part of the whole. We recommend a review of the entire study prior to reliance upon this study.


No key personnel have a relationship with Cook County that may impair our objectivity.

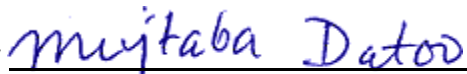
We, Tom Duffy and Mujtaba Dato, are members of the American Academy of Actuaries and meet the Academy's qualification standards to render this opinion. We performed this analysis using generally accepted actuarial principles and all relevant Actuarial Standards of Practice.


Please call if you have any questions. Thank you for the opportunity to be of service.

Respectfully submitted,

Aon Global Risk Consulting

By 
Tom Duffy, FCAS, MAAA
Director and Actuary

By 
Mujtaba Dato, ACAS, MAAA, FCA
Actuarial Practice Leader

By 
Brenda Craigmyle
Senior Actuarial Analyst

TD/MD:bc



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I. Background

The self-insurance program for Cook County, Illinois (the County) has three components: workers compensation, medical malpractice, and liability. Liability includes general, automobile, and other liability. Other liability includes public officials liability, employment practices, civil rights violations and police professional liability.

A history of self-insured retentions is shown in Table I-1 (workers compensation), Table I-2 (medical malpractice), and Table I-3 (liability).

**Table I-1
History of Self-Insured Retentions
Workers Compensation**

Claim Period (1)	Specific (2)	Aggregate (3)
12/31/00 to 12/30/01	\$9,500,000	\$40,000,000
12/31/01 to 12/30/02	9,500,000	40,000,000
12/31/02 to 12/30/03	9,500,000	45,000,000

**Table I-2
History of Self-Insured Retentions
Medical Malpractice**

Claim Period (1)	Specific (2)	Aggregate (3)
12/31/00 to 12/30/01	\$10,000,000	\$25,000,000
12/31/01 to 12/30/02	15,000,000	50,000,000
12/31/02 to 12/30/03	20,000,000	80,000,000
12/31/03 to 12/30/04	20,000,000	None
12/31/04 to 12/30/05	20,000,000	None
12/31/05 to 2/28/09	20,000,000	None
3/1/10 to 2/28/13	40,000,000	None
3/1/13 to present	30,000,000	None



**Table I-3
History of Self-Insured Retentions
Liability**

Claim Period (1)	Specific (2)	Aggregate (3)
12/31/00 to 12/30/01	\$9,500,000	\$40,000,000
12/31/01 to 12/30/02	9,500,000	40,000,000
12/31/02 to 12/30/03	9,500,000	45,000,000
12/31/03 to 12/30/04	10,000,000	None
12/31/04 to 12/30/06	10,000,000	25,000,000
12/31/06 to 2/28/13	10,000,000	None
3/1/13 to present	15,000,000	None

Cook County currently self-administers and self-funds claims for workers compensation, medical malpractice, general liability, automobile liability, and other liability. All litigation matters are handled by the Cook County State's Attorney's Office. In some cases, outside legal counsel may be assigned.

For workers compensation, "Indemnity" includes indemnity, legal, and other losses. "Medical" includes medical and rehabilitation losses. Workers compensation losses for Cermak Hospital were included with General Government in prior actuarial studies, but at the request of the County are now included with other hospitals in Healthcare. Only workers compensation losses include allocated loss adjustment expenses (ALAE). According to the County, ALAE is not specifically assigned to individual medical malpractice and liability claims. However, litigation expenses are tracked in aggregate and included in our analysis (see Summary Exhibit 7).

The excess coverage for medical malpractice is on a claims-made basis. The estimated outstanding losses and projected ultimate losses for medical malpractice include all claims with loss dates on or before the indicated fiscal year end, consistent with the prior actuarial studies.

Data

Loss data valued as of November 30, 2014 was provided to us by the County. For workers compensation, the County provided loss runs containing cumulative paid and incurred amounts through November 30, 2014. For the medical malpractice and liability coverages, the County provided payments made during fiscal year 2013/14 and case reserve amounts as of November 30, 2014. Loss data was provided for claim periods beginning 1999/00 for auto and general liability, 1981/82 for other liability, 1975/76 for medical malpractice, and 1970/71 for workers compensation. Claims incurred prior to these claim periods are assumed to be closed and that there are no outstanding liabilities as of November 30, 2014.



Forest Preserve District department claims were not included in the loss data provided, and are excluded from the workers compensation and liability analysis at the direction of the County.

The County also provided vehicles for 2014/15 and medical malpractice exposures for years through 2014/15. Payroll information used in the workers compensation analysis is from the County Annual Appropriation Bills. County revenue used in the general liability and other liability analysis is from the Comprehensive Annual Financial Report. Exposure projections for 2015/16 are based on a 0% trend.

The County informed us of case reserve changes on one medical malpractice claim and three other liability claims subsequent to November 30, 2014. We have included this additional information in our analysis.

In conducting this analysis, we relied upon the provided data without audit or independent verification; however, we reviewed it for reasonableness and consistency. Any inaccuracies in quantitative data or qualitative representations could have a significant effect on the results of our review and analysis. Any material discrepancies discovered in the loss or exposure data by the County or any other parties should be reported to us immediately, and if warranted, we will make appropriate amendments to the report.

Workers Compensation

Litigated Workers Compensation claims are handled by the State's Attorney's Office (SAO). In our analyses at November 30, 2011, November 30, 2012, and November 30, 2013, many of these claims were shown as closed in the Risk Management System (RMS) which we based our analysis upon; these case reserves were therefore not reflected in our analysis. In our November 30, 2013 analysis, we made a provision for these missing case reserves. This provision for missing claims was estimated roughly at \$17 million and booked as additional IBNR in our November 30, 2013 analysis.

With this November 30, 2014 analysis, the County has now confirmed that all workers compensation claims are now in the RMS system our analysis is based on. In part as a result, case reserves are up significantly from our prior analysis. Correspondingly, IBNR reserves have been decreased.

The County is confident that the payments have been unaffected by these adjustments to the data in the RMS systems.



Coverage Ratios

We tested the coverage ratios for our reserve estimates over the last 5 years. We defined the coverage ratio as the outstanding losses (i.e., case reserves + IBNR) divided by the four year average annual payments. The payments included losses and claim related expenses. The coverage ratios over the last five years are shown in Table I-4.

**Table I-4
Coverage Ratios**

Valuation Date (1)	Aggregate (3)
November 30, 2010	4.9 years
November 30, 2011	3.5 years
November 30, 2012	4.2 years
November 30, 2013	4.2 years
November 30, 2014	4.9 years

On this basis, with the current indicated increase in reserves, the November 30, 2014 coverage ratios are consistent with our November 30, 2010 review.

II. Objectives

The specific objectives of this study are the following:

1. **Estimate Outstanding Losses.** Estimate outstanding losses as of November 30, 2014, November 30, 2015, and November 30, 2016.

The estimated outstanding losses are the cost of unpaid claims. The estimated outstanding losses include case reserves, the development of known claims and incurred but not reported (IBNR) claims. The amounts are limited to the self-insured retention.

Estimated outstanding losses for workers compensation include allocated loss adjustment expenses [ALAE]). ALAE are the direct expenses for settling specific claims. These expenses include outside legal defense fees, expert witness fees and court reporting fees. They do not include internal defense costs.

2. **Project Ultimate Limited Losses.** Project ultimate limited losses (including ALAE for workers compensation) for 2014/15, 2015/16, and 2016/17.

The projected ultimate limited losses are the accrual value of losses with accident dates during 2014/15, 2015/16, and 2016/17, regardless of report or payment date. The amounts are limited to the self-insured retention.

3. **Project Losses Paid.** Project losses paid (including ALAE for workers compensation) during the 2014/15, 2015/16, and 2016/17 claim periods.

The projected losses paid are the claim disbursements during 2014/15, 2015/16, and 2016/17, regardless of accident or report date. The amounts are limited to the self-insured retention.

4. **Affirm GASB Statement No. 10.** Provide a statement affirming the conclusions of this report are consistent with GASB Statement No. 10.



III. Conclusions

We have reached the following conclusions:

1. Estimate Outstanding Losses

We estimate outstanding losses as of November 30, 2014 to be as shown in Table III-1A. The estimated outstanding losses include case reserves, the development of known claims and IBNR claims. The amounts are limited to the self-insured retention.

**Table III-1A
Estimated Outstanding Losses
November 30, 2014**

Coverage (1)	Full Value			Present Value		
	Expected (2)	70% Level (3)	90% Level (4)	Expected (5)	70% Level (6)	90% Level (7)
I. Health Care Facilities						
(Ai) WC - Indemnity	\$10,054,040	\$11,461,606	\$14,578,358	\$8,751,889	\$9,977,153	\$12,690,239
(Aii) WC - Medical	<u>2,109,176</u>	<u>2,404,461</u>	<u>3,058,305</u>	<u>1,875,418</u>	<u>2,137,977</u>	<u>2,719,356</u>
(A) Workers compensation	\$12,163,216	\$13,866,067	\$17,636,663	\$10,627,307	\$12,115,130	\$15,409,595
(Bi) Cermak	8,650,000	10,120,500	13,667,000	7,714,339	9,025,777	12,188,656
(Bii) John H. Stroger	114,697,501	134,196,076	181,222,052	104,251,759	121,974,558	164,717,779
(Biii) Oak Forest	1,750,000	2,047,500	2,765,000	1,594,695	1,865,793	2,519,618
(Biv) Provident	8,300,000	9,711,000	13,114,000	7,570,951	8,858,013	11,962,103
(Bv) Unspecified	<u>1,700,000</u>	<u>1,989,000</u>	<u>2,686,000</u>	<u>1,554,817</u>	<u>1,819,136</u>	<u>2,456,611</u>
(B) Medical malpractice	\$135,097,501	\$158,064,076	\$213,454,052	\$122,686,561	\$143,543,277	\$193,844,767
(C) Claim expense	2,407,719	2,744,800	3,491,193	2,186,530	2,492,644	3,170,469
(D) Subtotal	\$149,668,436	\$174,674,943	\$234,581,908	\$135,500,398	\$158,151,051	\$212,424,831
II. General Government						
(Ei) WC - Indemnity	\$53,916,333	\$61,464,620	\$78,178,683	\$48,026,294	\$54,749,975	\$69,638,126
(Eii) WC - Medical	<u>13,949,573</u>	<u>15,902,513</u>	<u>20,226,881</u>	<u>12,545,899</u>	<u>14,302,325</u>	<u>18,191,554</u>
(E) Workers compensation	\$67,865,906	\$77,367,133	\$98,405,564	\$60,572,193	\$69,052,300	\$87,829,680
(F) General liability	1,528,672	1,742,686	2,216,574	1,453,991	1,657,550	2,108,287
(G) Automobile liability	10,550,699	12,027,797	15,298,514	10,139,519	11,559,052	14,702,303
(H) Other liability	105,585,481	123,535,013	166,825,060	96,811,006	113,268,877	152,961,389
(I) Claim expense	32,649,221	37,220,112	47,341,370	30,079,696	34,290,853	43,615,559
(J) Subtotal	\$218,179,979	\$251,892,741	\$330,087,082	\$199,056,405	\$229,828,632	\$301,217,218
(K) Total (D) + (J)	\$367,848,415	\$426,567,684	\$564,668,990	\$334,556,803	\$387,979,683	\$513,642,049

Note: (2) and (5) are from Summary Exhibit 1.
(3), (4), (6), and (7) are based on actuarial judgment.



The present value of the estimated outstanding losses is the estimated outstanding losses discounted to reflect future investment earnings. It is based on a 3.4% interest rate, as provided by the County.

Undiscounted outstanding losses increased from \$329.4 million as of November 30, 2013, to \$367.8 million as of November 30, 2014. A comparison of case reserves, IBNR, and total outstanding losses (excluding claim expense reserves) from the prior actuarial study to the current study is shown in Table III-1B.

Table III-1B
Comparison of Outstanding Loss Components (\$000s)
November 30, 2013 to November 30, 2014
All Coverages Combined
(Excluding Claim Expense Reserves)

Year (1)	As of 11/30/13			As of 11/30/14			Change		
	Case Reserves (2)	IBNR (3)	Total (4)	Case Reserves (5)	IBNR (6)	Total (7)	Case Reserves (5) – (2) (8)	IBNR (6) – (3) (9)	Total (7) – (4) (10)
to 1994/95	\$7,111	\$1,709	\$8,820	\$8,278	\$328	\$8,606	\$1,167	(\$1,381)	(\$ 214)
1995/96	342	110	452	1,796	180	1,976	1,454	70	1,524
1996/97	59	90	149	140	14	154	81	- 76	5
1997/98	88	32	120	229	23	252	141	- 9	132
1998/99	3,349	440	3,789	3,309	332	3,641	- 40	- 108	- 148
1999/00	260	53	313	282	29	311	22	- 24	- 2
2000/01	204	144	348	928	93	1,021	724	- 51	673
2001/02	671	222	893	4,374	437	4,811	3,703	215	3,918
2002/03	190	407	597	688	114	802	498	- 293	205
2003/04	1,058	406	1,464	1,397	316	1,713	339	- 90	249
2004/05	16,663	1,233	17,896	17,002	1,780	18,782	339	547	886
2005/06	6,880	2,225	9,105	15,189	1,955	17,144	8,309	- 270	8,039
2006/07	3,464	6,216	9,680	3,993	2,663	6,656	529	-3,553	-3,024
2007/08	12,573	8,829	21,402	10,773	5,320	16,093	-1,800	-3,509	-5,309
2008/09	8,675	14,340	23,015	11,273	5,326	16,599	2,598	-9,014	-6,416
2009/10	23,721	18,652	42,373	23,209	9,846	33,055	- 512	-8,806	-9,318
2010/11	13,004	27,833	40,837	14,968	13,602	28,570	1,964	-14,231	-12,267
2011/12	22,267	34,315	56,582	38,805	16,439	55,244	16,538	-17,876	-1,338
2012/13	12,111	48,355	60,466	22,033	29,842	51,875	9,922	-18,513	-8,591
2013/14				14,367	51,122	65,489	14,367	51,122	65,489
Total	\$132,690	\$165,611	\$298,301	\$193,033	\$139,761	\$332,794	\$60,343	(\$25,850)	\$34,493

Note: (2) through (4) are from the prior actuarial study.
(5) through (7) are from Summary Exhibit 11.



A comparison of estimated outstanding losses as of November 30, 2013 and November 30, 2014 is shown in Summary Exhibit 2. Detail by year and coverage is provided in Summary Exhibits 10 through 23.

Case Reserves are up \$60 million from our prior analysis. This increase is being driven by:

- Several large claims being reported or revalued in the Other Liability and Stroger reserve segments
- Influx of workers compensation claims previously not in the RMS data base
- Low level of reserve reducing loss payments.

IBNR levels are down \$22 million (including Claim Expense Reserves and \$26 Million excluding Claim Expense Reserves) from our prior analysis. Much of this decrease is related to the IBNR supplement for WC last year related to the SAO claims not in the RMS system. This IBNR supplement has been taken down with this analysis now that the workers compensation claims are in the RMS systems.

Estimated outstanding losses as of November 30, 2015, and November 30, 2016 are shown in Summary Exhibit 1.

Summary Exhibit 4 splits the estimated outstanding losses and projected ultimate losses for the liability coverages among Healthcare and Government. Cumulative paid data as of November 30, 2014 was not available separately for Healthcare and Government, so independent analyses could not be completed. We therefore based the estimates on the percentage of case reserve and fiscal year 2013/14 payment data.



2. Project Ultimate Limited Losses

We project ultimate limited losses for 2014/15 to be as shown in Table III-2. The projected ultimate limited losses are the accrual value of losses with accident dates during 2014/15 regardless of report or payment date.

**Table III-2
Projected Ultimate Losses
2014/15**

Coverage (1)	Full Value			Present Value		
	Expected (2)	70% Level (3)	90% Level (4)	Expected (5)	70% Level (6)	90% Level (7)
I. Health Care Facilities						
(Ai) WC - Indemnity	\$2,287,000	\$2,675,790	\$3,613,460	\$2,024,000	\$2,368,080	\$3,197,920
(Aii) WC - Medical	<u>1,129,000</u>	<u>1,320,930</u>	<u>1,783,820</u>	<u>1,029,000</u>	<u>1,203,930</u>	<u>1,625,820</u>
(A) Workers compensation	\$3,416,000	\$3,996,720	\$5,397,280	\$3,053,000	\$3,572,010	\$4,823,740
(Bi) Cermak	2,068,000	2,481,600	3,639,680	1,683,000	2,019,600	2,962,080
(Bii) John H. Stroger	17,694,000	21,232,800	31,141,440	14,404,000	17,284,800	25,351,040
(Biii) Oak Forest	90,000	108,000	158,400	73,000	87,600	128,480
(Biv) Provident	764,000	916,800	1,344,640	628,000	753,600	1,105,280
(Bv) Unspecified	<u>133,000</u>	<u>159,600</u>	<u>234,080</u>	<u>108,000</u>	<u>129,600</u>	<u>190,080</u>
(B) Medical malpractice	\$20,749,000	\$24,898,800	\$36,518,240	\$16,896,000	\$20,275,200	\$29,736,960
(C) Subtotal	\$24,165,000	\$28,895,520	\$41,915,520	\$19,949,000	\$23,847,210	\$34,560,700
II. General Government						
(Di) WC - Indemnity	\$13,991,000	\$16,369,470	\$22,105,780	\$12,338,000	\$14,435,460	\$19,494,040
(Dii) WC - Medical	<u>9,454,000</u>	<u>11,061,180</u>	<u>14,937,320</u>	<u>8,586,000</u>	<u>10,045,620</u>	<u>13,565,880</u>
(D) Workers compensation	\$23,445,000	\$27,430,650	\$37,043,100	\$20,924,000	\$24,481,080	\$33,059,920
(E) General liability	405,000	473,850	639,900	366,000	428,220	578,280
(F) Automobile liability	1,608,000	1,881,360	2,540,640	1,485,000	1,737,450	2,346,300
(G) Other liability	16,732,000	20,078,400	29,448,320	14,059,000	16,870,800	24,743,840
(H) Subtotal	\$42,190,000	\$49,864,260	\$69,671,960	\$36,834,000	\$43,517,550	\$60,728,340
(I) Total (C) + (H)	\$66,355,000	\$78,759,780	\$111,587,480	\$56,783,000	\$67,364,760	\$95,289,040

Note: (2) and (5) are from Summary Exhibit 3.
(3), (4), (6), and (7) are based on actuarial judgment.

The present value of the estimated outstanding losses is the estimated outstanding losses discounted to reflect future investment earnings. It is based on a 3.4% interest rate, as provided by the County.

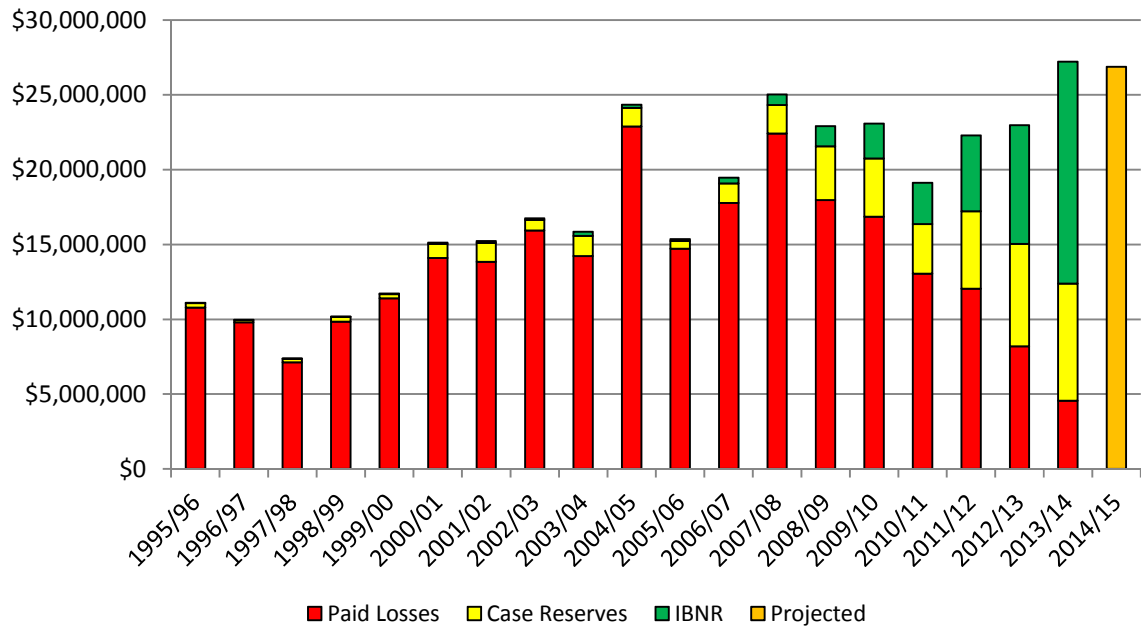
Projected ultimate losses for 2015/16 and 2016/17 are shown in Summary Exhibit 3.

Summary Exhibit 10 shows the change in estimates from last year (inclusive of last year's forecast estimate for the 12/13-11/14 claim period). On this basis, our ultimate loss and ALAE estimates for all years through the 12/13-11/14 claim period are up by approximately \$12 million, or 0.9%.



Graph III-1 shows the projected ultimate workers compensation losses (health care facilities and general government combined).

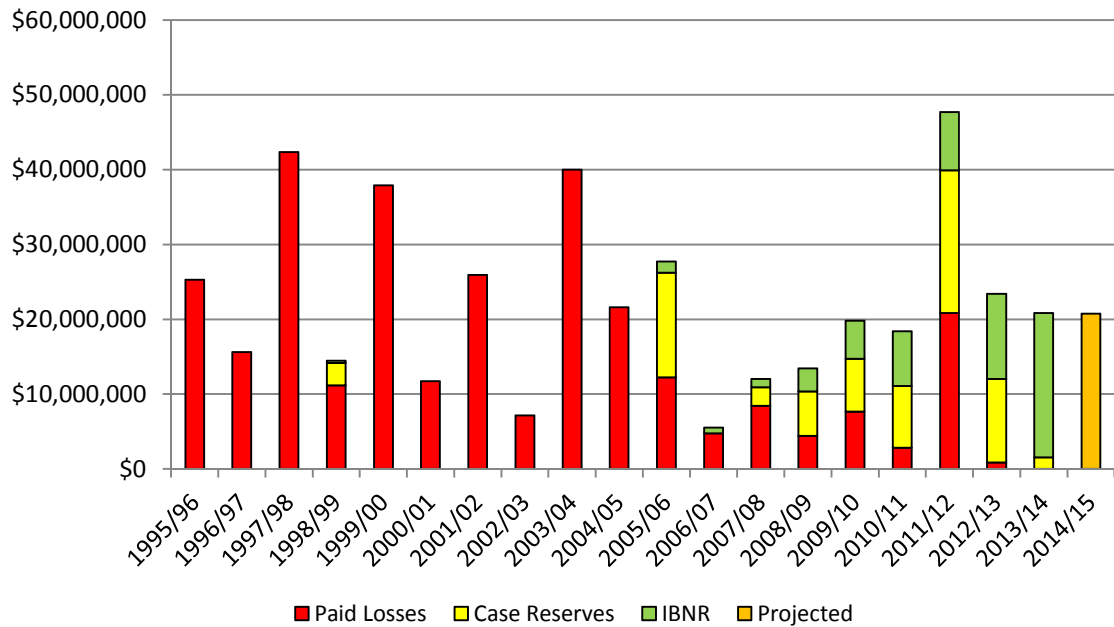
Graph III-1
Composition of Projected Ultimate Limited Losses
(Workers Compensation)



For years through 2012/13, the estimate of the ultimate workers compensation losses has increased by 1.7% from the prior report.

Graph III-2 shows the projected ultimate medical malpractice losses (all hospitals combined).

**Graph III-2
Composition of Projected Ultimate Limited Losses
(Medical Malpractice)**

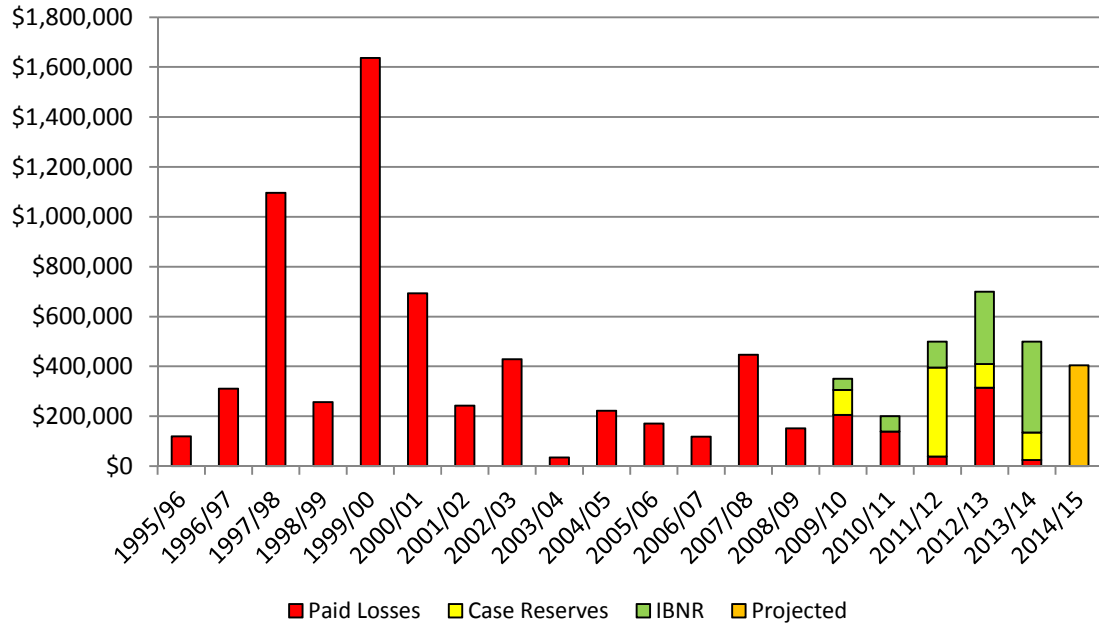


For years through 2012/13, the estimate of the ultimate medical malpractice losses has decreased by -1.1% from the prior report. We note that there is one very large claim in 2011/12.



Graph III-3 shows the projected ultimate general liability losses.

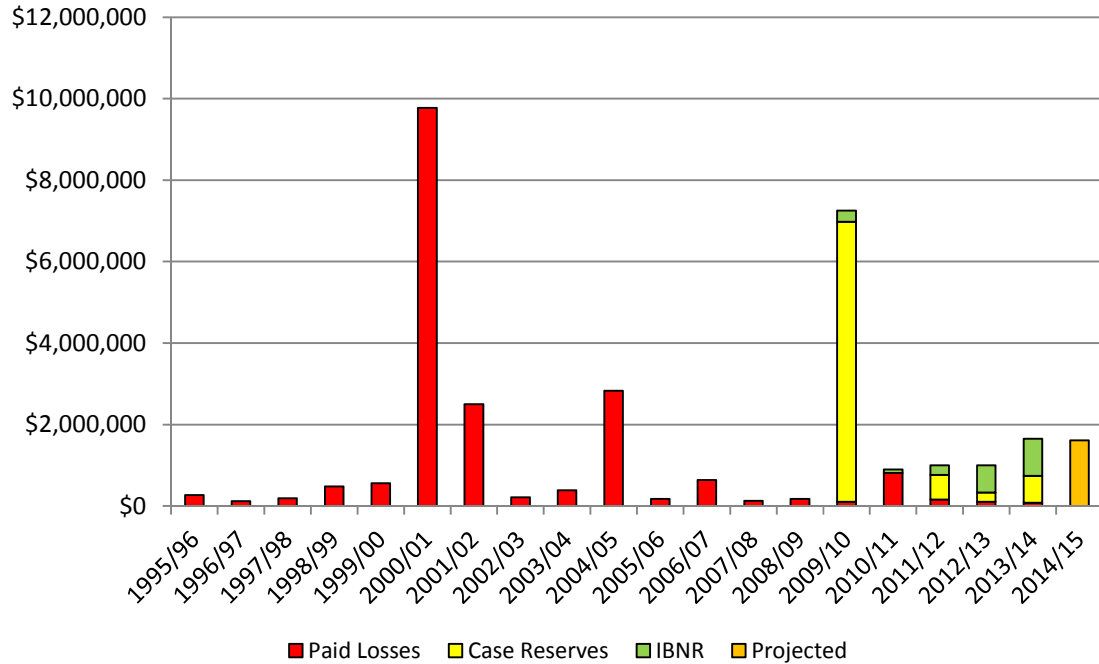
Graph III-3
Composition of Projected Ultimate Limited Losses
(General Liability)



For years through 2012/13, the estimate of the ultimate general liability losses has decreased by 4.1% from the prior report.

Graph III-4 shows the projected ultimate automobile liability losses.

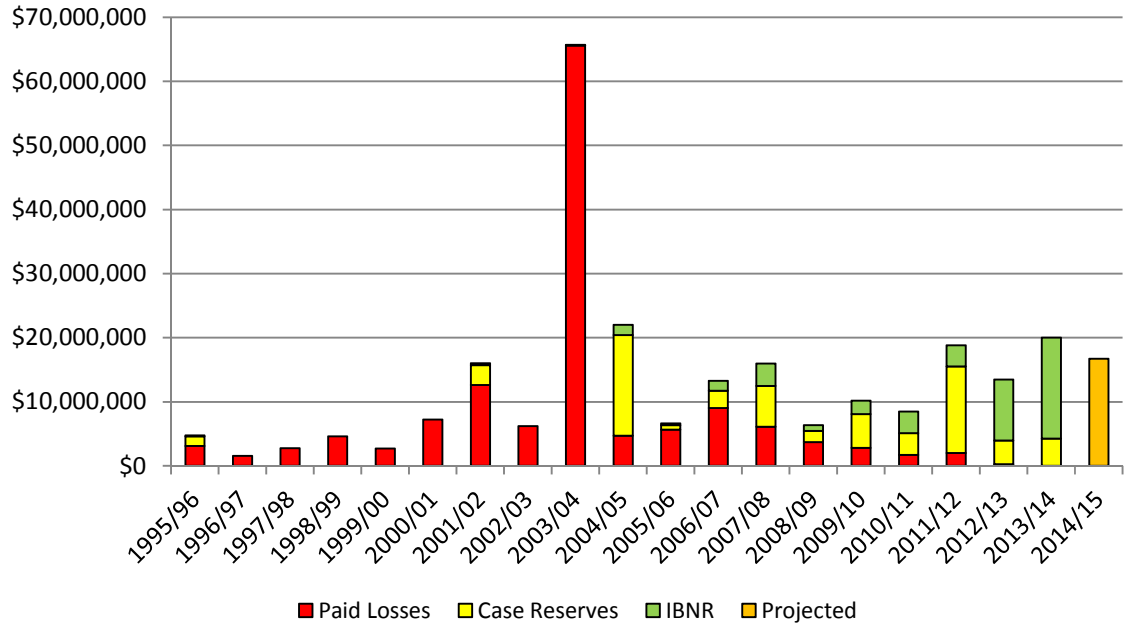
Graph III-4
Composition of Projected Ultimate Limited Losses
(Automobile Liability)



For years through 2012/13, the estimate of the ultimate automobile liability losses has decreased by 1.2% from the prior report. We note that there is one very large claim in 2009/10.

Graph III-5 shows the projected ultimate other liability losses.

Graph III-5
Composition of Projected Ultimate Limited Losses
(Other Liability)



For years through 2012/13, the estimate of the ultimate other liability losses has increased by 3.6% from the prior report. This increase was driven by several very large claims being revalued or newly reported.



3. Project Losses Paid

We project losses paid during 2014/15 through 2016/17 to be as shown in Table III-3. The projected losses paid are the claim disbursements during 2014/15, 2015/16, and 2016/17, regardless of accident or report date.

**Table III-3
Projected Losses Paid
2014/15, 2015/16, and 2016/17**

Coverage (1)	2014/15 (2)	2015/16 (3)	2016/17 (4)
I. Health Care Facilities			
(Ai) WC - Indemnity	\$2,837,061	\$2,666,421	\$2,549,590
(Aii) WC - Medical	<u>1,044,494</u>	<u>1,098,396</u>	<u>1,114,811</u>
(A) Workers compensation	\$3,881,555	\$3,764,817	\$3,664,401
(Bi) Cermak	1,222,268	1,206,415	1,589,653
(Bii) John H. Stroger	17,484,622	18,118,125	18,522,141
(Biii) Oak Forest	384,099	340,308	310,884
(Biv) Provident	2,144,661	1,562,900	1,188,298
(Bv) Unspecified	<u>478,634</u>	<u>250,729</u>	<u>289,376</u>
(B) Medical malpractice	\$21,714,284	\$21,478,477	\$21,900,352
(C) Subtotal (A) + (B)	\$25,595,839	\$25,243,294	\$25,564,753
II. General Government			
(Di) WC - Indemnity	\$11,464,472	\$11,928,178	\$12,384,197
(Dii) WC - Medical	<u>7,182,124</u>	<u>7,945,509</u>	<u>8,667,408</u>
(D) Workers compensation	\$18,646,596	\$19,873,687	\$21,051,605
(E) General liability	630,088	578,483	468,784
(F) Automobile liability	6,083,883	3,536,480	2,651,234
(G) Other liability	16,550,502	16,647,386	16,948,524
(H) Subtotal (D)+(E)+(F)+(G)	\$41,911,069	\$40,636,036	\$41,120,147
(I) Total (C) + (H)	\$67,506,908	\$65,879,330	\$66,684,900

Note: (2) through (4) are from Summary Exhibit 5.

4. Affirm GASB Statement No. 10

We affirm the conclusions of this report are consistent with GASB Statement No. 10.

Appendix A
Conditions and Limitations

Conditions and Limitations

It is important to understand the conditions and limitations listed below. Each chapter and section is an integral part of the whole study. If there are questions, please contact Aon Global Risk Consulting for clarification.

- **Data Quality.** We relied upon data provided by the organization shown on the transmittal page or its designated agents. The data was used without verification or audit, other than checks for reasonableness. Unless otherwise stated, we assumed the data to be correct and complete.
- **Economic Environment.** Unless otherwise stated, we assumed the current economic conditions will continue in the foreseeable future.
- **Insurance Coverage.** Unless otherwise stated, we assumed no insurance coverage changes (including coverage provided by the organization to others) subsequent to the date this study was prepared. This includes coverage language, self-insured retention, limitations and similar issues.
- **Insurance Solvency.** Unless otherwise stated, we assumed all insurance purchased by the organization is from solvent sources payable in accordance with terms of the coverage document.
- **Interest Rate.** The exhibits specify the annual interest rate used.
- **Methodology.** In this study, different actuarial methods were applied. In some instances, the methods yield significantly disparate results. The estimates, projections and recommendations in this study reflect our judgments as to the best method or combination of methods that are most reliable and reflective of the exposure to loss.
- **Reproduction.** This study may only be reproduced in its entirety.
- **Risk and Variability.** Insurance is an inherently risky enterprise. Actual losses may vary significantly from our estimates, projections and recommendations. They may emerge higher or lower.
- **Statutory and Judicial Changes.** Legislatures and judiciaries may change statutes that govern indemnification. This includes benefit levels for workers compensation, immunities and limitations for liability, and other similar issues. Unless otherwise stated, we assumed no statutory changes subsequent to the date this study was prepared.
- **Supplemental Data.** In addition to the data provided by the

organization, we supplemented our analysis with data from similar organizations and insurance industry statistics, as we deemed appropriate.

- **Usage.** This study has been prepared for the usage of the organization shown on the transmittal page. It was not prepared for and may not be appropriate for use by other organizations. Other organizations should obtain written permission from Aon Global Risk Consulting prior to use of this study.

Risks and Uncertainties

The greatest uncertainties in our analysis are summarized below:

- The County has high to unlimited retentions for their exposures to loss. Projections and reserve estimates for very large claims are subject to much greater uncertainty at the County's retention levels. It generally takes much longer for large claims to finally settle. These large claims can be quite complex and much more difficult and uncertain in predicting final outcomes. The dollar impact of a relatively few very large claims can have a disproportionate impact on our aggregate estimates of liability.
- Many of the WC claims that appeared closed in the prior analysis RMS system have now been entered in the RMS system at 11/30/2014. We believe this change has enhanced our ability to estimate reserves over last year's analysis. However, the change itself impacts the incurred loss development causing some additional uncertainty.
- Tail development factor beyond 10 years. The tail development factor influences all claim period's loss estimates. Small changes in the tail factor are leveraged in our estimates.
- Reserves for the most recent claim periods are very dependent on "a priori" assumptions as the claims for these periods have not been fully digested at early evaluations. These "a priori" assumptions are largely dependent on historical patterns. If the historical patterns do not prove to be predictive of the losses for the more current years, our estimates will be biased.
- A significant class of large claims related to the Other Liability segment have been newly reported or significantly revalued since our last analysis. These claims are in an early stage of valuation at this point. As a result, there is additional uncertainty around this set of claims' ultimate values.

We believe we have made prudent selections based on the reviewed data as of November 30, 2014. Cook County should be aware that these critical assumptions could significantly influence our estimates up or down.

Appendix B
Glossary of Actuarial Terms

Glossary of Actuarial Terms

Actuarial Methods (Most Common)

A major objective of an actuarial study is to statistically project ultimate losses. The following actuarial methods are the most common:

- Developed Paid Losses
- Developed Reported Incurred Losses
- Developed Case Reserves
- Frequency Times Severity Analysis
- Loss Rate Analysis

The following describes each method:

1. **Developed Paid Losses.** Paid losses represent the amounts actually paid to claimants (less excess insurance recoveries). As time goes on, loss payments continue until all claims are closed and there are no remaining payments expected. At this time, the ultimate losses for the claim period are known. This common process is called “paid loss development.”

Paid loss development is an extrapolation of actual dollars paid. It does not depend on case reserve estimates. A potential shortcoming of utilizing this method is that only a small fraction of total payments have been made for the most recent claim periods. Extrapolating ultimate losses based on small amounts of actual payments may be speculative. A second potential shortcoming is that payment patterns can change over time.

2. **Developed Reported Incurred Losses.** Reported incurred losses are paid losses plus case reserves. In most programs, total reported incurred losses underestimate the ultimate losses. Over time, as more information about a body of claims becomes known, they are adjusted either up or down until they are closed. Though many individual claims settle for less than what was estimated, these decreases are generally more than offset by increases in the cost of other claims for which new information has emerged.

The net effect is that total estimated costs are often revised upward over time. This normal process is called “reported incurred loss development.” Actuaries typically review the development patterns of the recent past to make projections of the expected future loss development and, therefore, estimations of ultimate losses.

3. **Developed Case Reserves.** The developed case reserves method is a hybrid of the paid loss development and reported incurred loss development methods. It relies on the historical adequacy of case reserves to predict ultimate losses.
4. **Frequency Times Severity Analysis.** The frequency times severity analysis is an actuarial method that uses a preliminary projection of ultimate losses to project claims severity. The claims severity times the number of claims is a predictor of ultimate losses. The focus of the frequency times severity analysis is that ultimate losses each period are dependent on the number of claims.
5. **Loss Rate Analysis.** The loss rate analysis is based on the historical loss rates per exposure unit (such as payroll, vehicles or property value). The loss rates (projected ultimate losses divided by exposure units) are trended to reflect the effect of claim cost inflation and retention changes. The trended loss rates represent the rates that one would see if all of the claims had been handled in the claim cost environment that will be present in the upcoming period. The trended loss rate times the projected exposure units is a predictor of losses.
6. **Bornhuetter-Ferguson Method (B-F).** The B-F method is an actuarial method that weights a preliminary projection of ultimate losses with projections of ultimate losses determined by other actuarial methods (usually the developed paid losses and developed reported incurred losses methods). For less mature claim periods, the B-F method leans more heavily to the preliminary projection. It gradually converges to the projections of ultimate losses determined by the other actuarial methods as the claim periods mature.

Actuary

A specialist trained in mathematics, statistics, and finance who is responsible for rate, reserve, and dividend calculations and other statistical studies.

Allocated Loss Adjustment Expenses

Allocated loss adjustment expenses (ALAE) are the direct expenses to settle specific claims. These expenses are primarily legal expenses.

Governmental Accounting Standards Board (GASB) Statement No. 10 requires that ALAE be included in financial statements and that they be calculated by actuarial methods.

American Academy of Actuaries

A society concerned with the development of education in the field of actuarial science and with the enhancement of standards in the actuarial field. Members may use the designation MAAA (Member, American Academy of Actuaries).



Benefits

The financial reimbursement and other services provided insureds by insurers under the terms of an insurance contract. An example would be the benefits listed under a life or health insurance policy or benefits as prescribed by a workers compensation law.

Casualty Actuarial Society

A professional society for actuaries in areas of property and casualty insurance work. This society grants the designation of Associate of the Casualty Actuarial Society (ACAS) and Fellow of the Casualty Actuarial Society (FCAS).

Claim

Demand by an individual or entity to recover for a loss.

Claims Made

A policy written on this basis covers only those claims that are made during the policy period. Coverage for prior acts is provided back to what is known as the retroactive date, which is the effective date of the original claims made policy with the same insurer.

Composite Rate

A single rate with a single basis of premium (e.g., payroll or sales). For this single rate the insured is covered for a variety of hazards, such as premises and operations, completed operations, products liability, and automobile. Its primary value is to compute premium simply.

Confidence Level

A confidence level is the statistical certainty that an actuary believes funding will be sufficient. For example, an 80% confidence level means that the actuary believes funding will be sufficient in eight years out of ten.

Confidence levels are determined based on mathematical models. Coverages that are low frequency and high severity (such as excess liability) are subject to greater risk than coverages that are high frequency and low severity (such as automobile physical damage). Therefore, they need a greater margin to attain a given confidence level.

GASB Statement No. 10 requires public entities to use “expected” amounts as a liability in financial statements. Expected corresponds to approximately a 55% confidence level. Amounts above expected are prudent, but should be considered equity (not a liability).



Coverage

The scope of the protection provided under a contract of insurance.

Credibility

Credibility is the belief that the sample data is an accurate reflection of the larger population. Credibility is highest when the sample data is large and the standard deviation (discussed later) of the larger population is low.

Dates

There are at least three milestone dates in a claim. They are the date of injury or accident, the date of report and the date of closure. It is best if each of these dates is recorded. Some organizations may also keep the date a claim becomes a lawsuit, as opposed to a demand. Aon Global Risk Consulting recommends this additional level of detail, especially if the data is to be used for litigation management.

Deductible

The portion of an insured loss to be borne by the insured before he is entitled to recovery from the insurer. Deductibles may be expressed as a dollar amount, percentage or waiting period.

Disability

A condition that curtails a person's ability to carry on his normal pursuits. A disability may be partial or total, and temporary or permanent.

Dividend (Policyholder)

The return of part of the premium paid for a policy issued on a participating basis by either a mutual or a stock insurer.

Estimated Outstanding Losses

Estimated outstanding losses are the cost of claims that have occurred but have not yet been paid. They typically include indemnification and allocated loss adjustment expenses (ALAE), but not unallocated loss adjustment expenses (ULAE).



Estimated outstanding losses are calculated as projected ultimate losses less paid losses. Alternatively, they are the sum of case reserves and incurred but not reported (IBNR) claims.

Estimated outstanding losses are usually the largest single item listed as a liability on the balance sheet of a public entity's financial statement. GASB Statement No. 10 requires they be calculated by actuarial methods. Other common names for estimated outstanding losses are outstanding claims liabilities and unpaid claims.

Experience Rating

A method of adjusting the premium for a risk based on past loss experience for that risk compared to loss experience for an average risk.

Exposure Data

Exposure data refers to the activities of the organization. For example, payroll is the most common exposure measure for workers compensation. Aon Global Risk Consulting suggests collecting exposure data with the following characteristics:

- **Readily Available.** The exposure data should be easily obtained. It is best if it is a byproduct of other activities, although this is not always possible. If getting data is arduous, it may discourage collection.
- **Vary With Losses.** The exposure data should correlate directly with losses. The ideal situation is where exposure and expected losses move in tandem. The exposure base needs to be fitting to the coverage. For example, the number of employees may vary with property losses (more employees = more office space = more losses), but property value is a clearly superior exposure base for property losses.

Generally Accepted Accounting Principles (GAAP)

These principles are intended to produce financial results (in the insurance industry) consistent with those of other industries and to assure consistency in financial reporting.

Incurred But Not Reported

IBNR is really comprised of two distinct items. These are the development of known case reserves (incurred but not enough reported [IBNER] and incurred but not yet reported [IBNYR]).

IBNER are the actuary's estimate of the inadequacy of case reserves. Most claims settle at amounts close to what is set by the claims administrator. Some claims close favorably and some emerge as more expensive. On balance, case reserves tend to be too low



(especially for recent years). IBNER is the actuary's estimate of the amount total case reserves will rise upon closure.

IBNYR refers to those claims that have occurred, but have not yet been reported. A classic example is medical malpractice claim reported several years after the medical procedure was performed.

Insurance Services Office (ISO)

An organization of the property and casualty insurance business designed to gather statistics, promulgate rates, and develop policy forms.

Investment Income

The return received by entities from their investment portfolios, including interest, dividends and realized capital gains on stocks. Realized capital gains means the profit realized on assets that have actually been sold for more their purchase price.

Limited

Most programs purchase excess insurance for catastrophic claims. For example, they may purchase coverage for claims above a \$500,000 per occurrence self-insured retention. "Limited" refers to an estimate or projection being limited to the self-insured retention. In contrast, "unlimited" means a loss projection not limited to the self-insured retention.

Other common names for limited are net of excess insurance or capped losses.

Loss Development

The difference between the amount of losses initially estimated by the insurer and the amount reported in an evaluation on a later date. Loss development is typically measured for paid losses, reported incurred losses and claim counts.

Manual Rates

Usually, the published rate for some unit of insurance. An example is in the workers compensation manual, where the rates shown apply to each \$100 of the payroll of the insured, \$100 being the "unit."

National Council on Compensation Insurance (NCCI)

An association of workers compensation insurance companies whose main functions are collecting statistics and calculating rates, establishing policy wording, developing experience and retrospective rating plans, and serving as the filing organization for member companies.

Net

Many pooling programs assign deductibles to members. For example, each member may have a \$5,000 per claim deductible. "Net" refers to a loss estimate or projection that excludes amounts below member deductibles.

Occurrence

An event that results in an insured loss. In some lines of insurance, such as general liability, it is distinguished from accident in that the loss does not have to be sudden and fortuitous and can result from continuous or repeated exposure that results in bodily injury or property damage neither expected nor intended by the insured.

Pool

An organization of entities through which particular types of risks are written with the premiums, losses, and expenses shared in agreed amounts among the members belonging to the organization.

Premium

The price of insurance protection for a specified risk for a specified period of time.

Present Value

The amount of money that future amounts receivable are currently worth. For example, a Life Insurance policy may provide for payments to be made monthly for ten years. The present value of that money would be less than the total amount of the regular periodic payments for 10 years because of the amount of interest that a present lump sum could earn during the term than the payments otherwise would have been made.

Probability

The probability is the likelihood of an event. It is a measure of how likely a value or event is to occur. It can be measured from data by calculating the number of occurrences of the value or event divided by the total number of occurrences. This calculation can be converted to a percentage. For example, tossing a coin has a 50% probability of heads or tails.

Projected Losses Paid



Projected losses paid are the projected claims disbursements in a period, regardless of when the claim occurred. They typically include indemnification and ALAE, but not unallocated loss adjustment expenses (ULAE).

“Projected losses paid” is a cash-flow analysis that can be used in making investment decisions.

Projected Ultimate Losses

Projected ultimate losses are the accrual value of claims. They are the total amount that is expected to be paid in a particular claim period after all claims are closed. Projected ultimate losses are the total loss costs for a particular period. They typically include indemnification and ALAE, but not ULAE.

Other common names for projected ultimate losses are expected losses, ultimate losses and total losses.

Rate

The cost of a given unit of insurance. For example, in life insurance, it is the price of \$1,000 of the face amount. In property insurance, it is the rate per \$100 of value to be insured. The premium is the rate multiplied by the number of units of insurance purchased.

Retrospective Rating

A method for which the final premium is not determined until the end of the coverage period, and is based on the insured’s own loss experience for that same period. It is usually subject to a maximum and minimum premium. A plan of this type can be used in various types of insurance, especially workers compensation and liability, and is usually elected by only very large insureds.

Salvage

Property taken over by an entity to reduce its loss. Automobile physical damage losses can be reduced by the sale of recovered vehicles.

Schedule Rating

The application of debits or credits within established ranges for various characteristics of a risk according to an established schedule of items. Under liability and automobile insurance, the schedule rating plan allows credits and debits for various good or bad features of a particular commercial risk. An example in automobile schedule rating would be allowing credits for driver training classes or fleet maintenance programs.



Self-Insurance Retention (SIR)

That portion of a risk or potential loss assumed by an insured. It is often in the form of a per occurrence deductible.

Society of Actuaries (SOA)

A professional society for actuaries in areas of pensions, and life and health insurance work. The SOA grants the designation Associate of the Society of Actuaries (ASA) and Fellow of the Society of Actuaries (FSA).

Standard Premium

Most often used in connection with retrospective rating for Workers Compensation and General Liability Insurance. It is the premium of which the basic premium is a percentage and is developed by applying the regular rates to an insured's payroll.

State Fund

A fund set up by a state government to finance a mandatory insurance system, such as Workers Compensation or non-occupational disability benefits. Such a fund may be monopolistic, i.e., purchasers of the type of insurance required must place it in the state fund; or it may be competitive, i.e., an alternative to private insurance if the purchaser desires to use it.

Statutory Accounting Principles (SAP)

Those principles required by statute that must be followed by an insurance company or other similar entity when submitting its financial statement to the state insurance department. Such principles differ from (GAAP) in some important respects. For one thing SAP requires that expenses must be recorded immediately and cannot be deferred to track with premiums as they are earned and taken into revenue.

Unallocated Loss Adjustment Expenses

Unallocated loss adjustment expenses (ULAE) are the indirect expenses to settle claims. These expenses are primarily administration and claims handling expenses.

GASB Statement No. 10 requires that ULAE be included in financial statements and that they be calculated by actuarial methods.

Appendix C

Exhibits

Exhibits

The attached exhibits detail our analysis.



COOK COUNTY, ILLINOIS
SUMMARY EXHIBITS

Summary Exhibit 1 (page 1)

Estimated Outstanding Losses

A. Estimated Outstanding Losses as of 11/30/14

	Full Value			Present Value		
	Expected	70%	90%	Expected	70%	90%
I. Health Care Facilities						
(Ai) WC - Indemnity	\$10,054,040	\$11,461,606	\$14,578,358	\$8,751,889	\$9,977,153	\$12,690,239
(Aii) WC - Medical	2,109,176	2,404,461	3,058,305	1,875,418	2,137,977	2,719,356
(A) Workers compensation	\$12,163,216	\$13,866,066	\$17,636,663	\$10,627,307	\$12,115,130	\$15,409,595
(Bi) Cermak	8,650,000	10,120,500	13,667,000	7,714,339	9,025,777	12,188,656
(Bii) John H. Stroger	114,697,501	134,196,076	181,222,052	104,251,759	121,974,558	164,717,779
(Biii) Oak Forest	1,750,000	2,047,500	2,765,000	1,594,695	1,865,793	2,519,618
(Biv) Provident	8,300,000	9,711,000	13,114,000	7,570,951	8,858,013	11,962,103
(Bv) Unspecified	1,700,000	1,989,000	2,686,000	1,554,817	1,819,136	2,456,611
(B) Medical malpractice	\$135,097,501	\$158,064,076	\$213,454,052	\$122,686,561	\$143,543,276	\$193,844,766
(C) Claim Expense Reserves	2,407,719	2,744,799	3,491,192	2,186,530	2,492,644	3,170,468
(D) Subtotal	\$149,668,436	\$174,674,942	\$234,581,907	\$135,500,398	\$158,151,051	\$212,424,830
II. General Government						
(Ei) WC - Indemnity	53,916,333	61,464,620	78,178,683	48,026,294	54,749,975	69,638,126
(Eii) WC - Medical	13,949,573	15,902,513	20,226,881	12,545,899	14,302,325	18,191,554
(E) Workers compensation	\$67,865,906	\$77,367,133	\$98,405,564	\$60,572,193	\$69,052,300	\$87,829,680
(F) General liability	1,528,672	1,742,686	2,216,574	1,453,991	1,657,550	2,108,287
(G) Automobile liability	10,550,699	12,027,797	15,298,514	10,139,519	11,559,052	14,702,303
(H) Other liability	105,585,481	123,535,013	166,825,060	96,811,006	113,268,876	152,961,389
(I) Claim Expense Reserves	32,649,221	37,220,112	47,341,370	30,079,696	34,290,853	43,615,559
(J) Subtotal	\$218,179,979	\$251,892,740	\$330,087,082	\$199,056,405	\$229,828,632	\$301,217,218
Total	\$367,848,414	\$426,567,682	\$564,668,989	\$334,556,803	\$387,979,682	\$513,642,048

B. Estimated Outstanding Losses as of 11/30/15

	Full Value			Present Value		
	Expected	70%	90%	Expected	70%	90%
I. Health Care Facilities						
(Ai) WC - Indemnity	\$9,503,979	\$10,834,536	\$13,780,770	\$8,254,349	\$9,409,958	\$11,968,806
(Aii) WC - Medical	2,193,682	2,500,797	3,180,839	1,939,944	2,211,536	2,812,919
(A) Workers compensation	\$11,697,661	\$13,335,334	\$16,961,608	\$10,194,293	\$11,621,494	\$14,781,725
(Bi) Cermak	9,495,732	11,110,006	15,003,257	8,474,549	9,915,222	13,389,787
(Bii) John H. Stroger	114,906,879	134,441,048	181,552,869	104,497,998	122,262,658	165,106,837
(Biii) Oak Forest	1,455,901	1,703,404	2,300,324	1,334,102	1,560,899	2,107,881
(Biv) Provident	6,919,339	8,095,627	10,932,556	6,296,921	7,367,398	9,949,135
(Bv) Unspecified	1,354,366	1,584,608	2,139,898	1,232,934	1,442,533	1,948,036
(B) Medical malpractice	\$134,132,217	\$156,934,694	\$211,928,903	\$121,836,504	\$142,548,710	\$192,501,676
(C) Claim Expense Reserves	2,390,515	2,725,188	3,466,247	2,170,907	2,474,834	3,147,815
(D) Subtotal	\$148,220,393	\$172,995,215	\$232,356,759	\$134,201,704	\$156,645,038	\$210,431,216
II. General Government						
(Ei) WC - Indemnity	56,442,861	64,344,862	81,842,148	50,310,585	57,354,067	72,950,348
(Eii) WC - Medical	16,221,449	18,492,452	23,521,101	14,548,906	16,585,753	21,095,914
(E) Workers compensation	\$72,664,310	\$82,837,313	\$105,363,250	\$64,859,491	\$73,939,820	\$94,046,262
(F) General liability	1,303,584	1,486,086	1,890,197	1,241,170	1,414,934	1,799,697
(G) Automobile liability	6,074,816	6,925,290	8,808,483	5,833,669	6,650,383	8,458,820
(H) Other liability	105,766,979	123,747,365	167,111,827	97,124,290	113,635,419	153,456,378
(I) Claim Expense Reserves	31,395,174	35,790,498	45,523,002	28,924,344	32,973,752	41,940,298
(J) Subtotal	\$217,204,863	\$250,786,553	\$328,696,758	\$197,982,964	\$228,614,307	\$299,701,455
Total	\$365,425,256	\$423,781,768	\$561,053,517	\$332,184,668	\$385,259,345	\$510,132,671

C. Estimated Outstanding Losses as of 11/30/16

	Full Value			Present Value		
	Expected	70%	90%	Expected	70%	90%
I. Health Care Facilities						
(Ai) WC - Indemnity	\$9,159,558	\$10,441,896	\$13,281,359	\$7,945,472	\$9,057,838	\$11,520,934
(Aii) WC - Medical	2,269,286	2,586,986	3,290,465	1,995,691	2,275,088	2,893,752
(A) Workers compensation	\$11,428,844	\$13,028,882	\$16,571,824	\$9,941,163	\$11,332,926	\$14,414,686
(Bi) Cermak	10,440,317	12,215,171	16,495,701	9,346,593	10,935,514	14,767,617
(Bii) John H. Stroger	115,190,754	134,773,182	182,001,391	104,690,296	122,487,646	165,410,668
(Biii) Oak Forest	1,208,593	1,414,054	1,909,577	1,111,700	1,300,689	1,756,486
(Biv) Provident	6,151,439	7,197,184	9,719,274	5,597,490	6,549,063	8,844,034
(Bv) Unspecified	1,241,637	1,452,715	1,961,786	1,136,064	1,329,195	1,794,981
(B) Medical malpractice	\$134,232,740	\$157,052,306	\$212,087,729	\$121,882,143	\$142,602,107	\$192,573,786
(C) Claim Expense Reserves	2,392,307	2,727,230	3,468,845	2,172,534	2,476,689	3,150,174
(D) Subtotal	\$148,053,891	\$172,808,418	\$232,128,398	\$133,995,840	\$156,411,722	\$210,138,647
II. General Government						
(Ei) WC - Indemnity	58,715,683	66,935,879	85,137,740	52,337,015	59,664,197	75,888,672
(Eii) WC - Medical	18,107,940	20,643,052	26,256,513	16,195,090	18,462,403	23,482,881
(E) Workers compensation	\$76,823,623	\$87,578,930	\$111,394,253	\$68,532,105	\$78,126,600	\$99,371,552
(F) General liability	1,146,101	1,306,555	1,661,846	1,088,541	1,240,937	1,578,384
(G) Automobile liability	4,202,336	4,790,663	6,093,387	4,025,253	4,588,788	5,836,617
(H) Other liability	106,520,593	124,629,094	168,302,537	97,827,420	114,458,081	154,567,324
(I) Claim Expense Reserves	31,041,017	35,386,759	45,009,474	28,598,059	32,601,788	41,467,186
(J) Subtotal	\$219,733,670	\$253,692,001	\$332,461,498	\$200,071,378	\$231,016,194	\$302,821,063
Total	\$367,787,561	\$426,500,419	\$564,589,896	\$334,067,218	\$387,427,916	\$512,959,710



Estimated Outstanding Losses

Footnotes:

Section I, Ai is from Exhibit WC-HC-Ind-11.

Section I, Aii is from Exhibit WC-HC-Med-11.

Section I, Bi is from Exhibit MM-Cermak-11.

Section I, Bii is from Exhibit MM-Stroger-11.

Section I, Biii is from Exhibit MM-OakForest-11.

Section I, Biv is from Exhibit MM-Provident-11.

Section I, Bv is from Exhibit MM-Unspecified-11.

Section I, C is from Summary Exhibit 7.

Section II, Ei is from Exhibit WC-Gov-Ind-11.

Section II, Eii is from Exhibit WC-Gov-Med-11.

Section II, F is from Exhibit GL-11.

Section II, G is from Exhibit AL-11.

Section II, H is from Exhibit OL-11.

Section II, I is from Summary Exhibit 7.



COOK COUNTY, ILLINOIS
SUMMARY EXHIBITS

Summary Exhibit 2

Comparison of Estimated Outstanding Losses

	As of November 30, 2013			As of November 30, 2014			Change		
	Case Reserves	IBNR	Total	Case Reserves	IBNR	Total	Case Reserves	IBNR	Total
I. Health Care Facilities									
(Ai) WC - Indemnity	\$1,795,400	\$4,538,338	\$6,333,738	\$6,927,256	\$3,126,787	\$10,054,043	\$5,131,856	-\$1,411,551	\$3,720,305
(Aii) WC - Medical	1,026,208	1,835,728	2,861,936	1,305,838	803,340	2,109,178	279,631	-1,032,388	-752,757
(A) Workers compensation	\$2,821,607	\$6,374,066	\$9,195,674	\$8,233,094	\$3,930,127	\$12,163,221	\$5,411,487	-\$2,443,939	\$2,967,548
(Bi) Cermak	3,250,500	5,258,400	8,508,900	3,670,000	4,980,000	8,650,000	419,500	-278,400	141,100
(Bii) John H. Stroger	61,327,500	50,386,151	111,713,651	68,897,000	45,800,501	114,697,501	7,569,500	-4,585,650	2,983,850
(Biii) Oak Forest	150,000	2,050,000	2,200,000	550,000	1,200,000	1,750,000	400,000	-850,000	-450,000
(Biv) Provident	3,080,000	6,720,000	9,800,000	3,450,000	4,850,000	8,300,000	370,000	-1,870,000	-1,500,000
(Bv) Unspecified	90,000	625,000	715,000	1,010,500	689,500	1,700,000	920,500	64,500	985,000
(B) Medical malpractice	\$67,898,000	\$65,039,551	\$132,937,551	\$77,577,500	\$57,520,001	\$135,097,501	\$9,679,500	-\$7,519,550	\$2,159,950
(C) Claim Expense Reserves		2,474,714	2,474,714		2,407,719	2,407,719	0	-66,995	-66,995
(D) Subtotal	\$70,719,607	\$73,888,331	\$144,607,938	\$85,810,594	\$63,857,847	\$149,668,441	\$15,090,987	-\$10,030,484	\$5,060,503
II. General Government									
(Ei) WC - Indemnity	8,078,326	32,487,515	40,565,841	28,289,104	25,627,230	53,916,333	20,210,778	-6,860,286	13,350,492
(Eii) WC - Medical	3,761,561	15,256,108	19,017,669	6,847,719	7,101,855	13,949,574	3,086,158	-8,154,253	-5,068,095
(E) Workers compensation	\$11,839,887	\$47,743,624	\$59,583,511	\$35,136,823	\$32,729,085	\$67,865,908	\$23,296,936	-\$15,014,539	\$8,282,397
(F) General liability	558,500	1,131,434	1,689,934	662,400	866,271	1,528,671	103,900	-265,163	-161,263
(G) Automobile liability	7,815,800	2,629,878	10,445,678	8,369,250	2,181,449	10,550,699	553,450	-448,429	105,021
(H) Other liability	41,755,600	42,692,005	84,447,605	63,051,950	42,533,531	105,585,481	21,296,350	-158,474	21,137,876
(I) Claim Expense Reserves		28,607,307	28,607,307		32,649,221	32,649,221	0	4,041,914	4,041,914
(J) Subtotal	\$61,969,787	\$122,804,248	\$184,774,035	\$107,220,423	\$110,959,557	\$218,179,980	\$45,250,636	-\$11,844,691	\$33,405,945
Total	\$132,689,394	\$196,692,579	\$329,381,974	\$193,031,017	\$174,817,404	\$367,848,421	\$60,341,622	-\$21,875,175	\$38,466,447



COOK COUNTY, ILLINOIS
SUMMARY EXHIBITS

Projected Ultimate Losses

A. 2014/15 Projected Ultimate Losses

	Full Value			Present Value		
	Expected	70%	90%	Expected	70%	90%
I. Health Care Facilities						
(Ai) WC - Indemnity	\$2,287,000	\$2,675,790	\$3,613,460	\$2,024,000	\$2,368,080	\$3,197,920
(Aii) WC - Medical	1,129,000	1,320,930	1,783,820	1,029,000	1,203,930	1,625,820
(A) Workers compensation	\$3,416,000	\$3,996,720	\$5,397,280	\$3,053,000	\$3,572,010	\$4,823,740
(Bi) Cermak	2,068,000	2,481,600	3,639,680	1,683,000	2,019,600	2,962,080
(Bii) John H. Stroger	17,694,000	21,232,800	31,141,440	14,404,000	17,284,800	25,351,040
(Biii) Oak Forest	90,000	108,000	158,400	73,000	87,600	128,480
(Biv) Provident	764,000	916,800	1,344,640	628,000	753,600	1,105,280
(Bv) Unspecified	133,000	159,600	234,080	108,000	129,600	190,080
(B) Medical malpractice	\$20,749,000	\$24,898,800	\$36,518,240	\$16,896,000	\$20,275,200	\$29,736,960
(C) Subtotal	\$24,165,000	\$28,895,520	\$41,915,520	\$19,949,000	\$23,847,210	\$34,560,700
II. General Government						
(Di) WC - Indemnity	13,991,000	16,369,470	22,105,780	12,338,000	14,435,460	19,494,040
(Dii) WC - Medical	9,454,000	11,061,180	14,937,320	8,586,000	10,045,620	13,565,880
(D) Workers compensation	\$23,445,000	\$27,430,650	\$37,043,100	\$20,924,000	\$24,481,080	\$33,059,920
(E) General liability	405,000	473,850	639,900	366,000	428,220	578,280
(F) Automobile liability	1,608,000	1,881,360	2,540,640	1,485,000	1,737,450	2,346,300
(G) Other liability	16,732,000	20,078,400	29,448,320	14,059,000	16,870,800	24,743,840
(H) Subtotal	\$42,190,000	\$49,864,260	\$69,671,960	\$36,834,000	\$43,517,550	\$60,728,340
Total	\$66,355,000	\$78,759,780	\$111,587,480	\$56,783,000	\$67,364,760	\$95,289,040

B. 2015/16 Projected Ultimate Losses

	Full Value			Present Value		
	Expected	70%	90%	Expected	70%	90%
I. Health Care Facilities						
(Ai) WC - Indemnity	\$2,322,000	\$2,716,740	\$3,668,760	\$2,054,000	\$2,403,180	\$3,245,320
(Aii) WC - Medical	1,174,000	1,373,580	1,854,920	1,070,000	1,251,900	1,690,600
(A) Workers compensation	\$3,496,000	\$4,090,320	\$5,523,680	\$3,124,000	\$3,655,080	\$4,935,920
(Bi) Cermak	2,151,000	2,581,200	3,785,760	1,751,000	2,101,200	3,081,760
(Bii) John H. Stroger	18,402,000	22,082,400	32,387,520	14,981,000	17,977,200	26,366,560
(Biii) Oak Forest	93,000	111,600	163,680	76,000	91,200	133,760
(Biv) Provident	795,000	954,000	1,399,200	654,000	784,800	1,151,040
(Bv) Unspecified	138,000	165,600	242,880	112,000	134,400	197,120
(B) Medical malpractice	\$21,579,000	\$25,894,800	\$37,979,040	\$17,574,000	\$21,088,800	\$30,930,240
(C) Subtotal	\$25,075,000	\$29,985,120	\$43,502,720	\$20,698,000	\$24,743,880	\$35,866,160
II. General Government						
(Di) WC - Indemnity	14,201,000	16,615,170	22,437,580	12,523,000	14,651,910	19,786,340
(Dii) WC - Medical	9,832,000	11,503,440	15,534,560	8,929,000	10,446,930	14,107,820
(D) Workers compensation	\$24,033,000	\$28,118,610	\$37,972,140	\$21,452,000	\$25,098,840	\$33,894,160
(E) General liability	421,000	492,570	665,180	380,000	444,600	600,400
(F) Automobile liability	1,664,000	1,946,880	2,629,120	1,537,000	1,798,290	2,428,460
(G) Other liability	17,401,000	20,881,200	30,625,760	14,621,000	17,545,200	25,732,960
(H) Subtotal	\$43,519,000	\$51,439,260	\$71,892,200	\$37,990,000	\$44,886,930	\$62,655,980
Total	\$68,594,000	\$81,424,380	\$115,394,920	\$58,688,000	\$69,630,810	\$98,522,140

C. 2016/17 Projected Ultimate Losses

	Full Value			Present Value		
	Expected	70%	90%	Expected	70%	90%
I. Health Care Facilities						
(Ai) WC - Indemnity	\$2,357,000	\$2,757,690	\$3,724,060	\$2,085,000	\$2,439,450	\$3,294,300
(Aii) WC - Medical	1,221,000	1,428,570	1,929,180	1,113,000	1,302,210	1,758,540
(A) Workers compensation	\$3,578,000	\$4,186,260	\$5,653,240	\$3,198,000	\$3,741,660	\$5,052,840
(Bi) Cermak	2,237,000	2,684,400	3,937,120	1,821,000	2,185,200	3,204,960
(Bii) John H. Stroger	19,138,000	22,965,600	33,682,880	15,580,000	18,696,000	27,420,800
(Biii) Oak Forest	97,000	116,400	170,720	79,000	94,800	139,040
(Biv) Provident	827,000	992,400	1,455,520	680,000	816,000	1,196,800
(Bv) Unspecified	143,000	171,600	251,680	117,000	140,400	205,920
(B) Medical malpractice	\$22,442,000	\$26,930,400	\$39,497,920	\$18,277,000	\$21,932,400	\$32,167,520
(C) Subtotal	\$26,020,000	\$31,116,660	\$45,151,160	\$21,475,000	\$25,674,060	\$37,220,360
II. General Government						
(Di) WC - Indemnity	14,414,000	16,864,380	22,774,120	395,000	462,150	624,100
(Dii) WC - Medical	10,225,000	11,963,250	16,155,500	9,286,000	10,864,620	14,671,880
(D) Workers compensation	\$24,639,000	\$28,827,630	\$38,929,620	\$9,681,000	\$11,326,770	\$15,295,980
(E) General liability	438,000	512,460	692,040	395,000	462,150	624,100
(F) Automobile liability	1,722,000	2,014,740	2,720,760	1,591,000	1,861,470	2,513,780
(G) Other liability	18,097,000	21,716,400	31,850,720	15,206,000	18,247,200	26,762,560
(H) Subtotal	\$44,896,000	\$53,071,230	\$74,193,140	\$26,873,000	\$31,897,590	\$45,196,420
Total	\$70,916,000	\$84,187,890	\$119,344,300	\$48,348,000	\$57,571,650	\$82,416,780



Projected Ultimate Losses

Footnotes:

Section I, Ai is from Exhibit WC-HC-Ind-10.

Section I, Aii is from Exhibit WC-HC-Med-10.

Section I, Bi is from Exhibit MM-Cermak-10.

Section I, Bii is from Exhibit MM-Stroger-10.

Section I, Biii is from Exhibit MM-OakForest-10.

Section I, Biv is from Exhibit MM-Provident-10.

Section I, Bv is from Exhibit MM-Unspecified-10.

Section II, Ei is from Exhibit WC-Gov-Ind-10.

Section II, Eii is from Exhibit WC-Gov-Med-10.

Section II, F is from Exhibit GL-10.

Section II, G is from Exhibit AL-10.

Section II, H is from Exhibit OL-10.



COOK COUNTY, ILLINOIS
MEDICAL MALPRACTICE AND LIABILITY

Summary Exhibit 4

Split of Liability Losses Among Healthcare and Government

	Coverage (1)	Total (2)	Healthcare (3)	Government (4)
1. 2013/14 Payments				
General liability		\$210,365	\$15,555	\$194,810
Automobile liability		1,152,321	5,413	1,146,907
Other liability		7,960,509	717,455	7,243,054
Average		\$3,107,731	\$246,141	\$2,861,590
2. 11/30/14 Case Reserves				
General liability		\$662,400	\$184,200	\$478,200
Automobile liability		8,369,250	501,500	7,867,750
Other liability		63,051,950	4,316,000	58,735,950
Average		\$24,027,867	\$1,667,233	\$22,360,633
3. Ratio to Total				
		Payments	7.9%	92.1%
		Case Reserves	6.9%	93.1%
		Prior	10.0%	90.0%
		Selected	10.0%	90.0%
4. Estimated Outstanding Losses				
Estimated Outstanding Losses as of 11/30/14				
a. General Liability		\$1,528,672	\$152,867	\$1,375,805
b. Automobile Liability		10,550,699	1,055,070	9,495,629
c. Other Liability		105,585,481	10,558,548	95,026,933
Estimated Outstanding Losses as of 11/30/15				
a. General Liability		\$1,303,584	\$130,358	\$1,173,226
b. Automobile Liability		6,074,816	607,482	5,467,334
c. Other Liability		105,766,979	10,576,698	95,190,281
Estimated Outstanding Losses as of 11/30/16				
a. General Liability		\$1,146,101	\$114,610	\$1,031,491
b. Automobile Liability		4,202,336	420,234	3,782,102
c. Other Liability		106,520,593	10,652,059	95,868,534
5. Projected Ultimate Losses				
2014/15				
a. General Liability		\$405,000	\$40,500	\$364,500
b. Automobile Liability		1,608,000	160,800	1,447,200
c. Other Liability		16,732,000	1,673,200	15,058,800
2015/16				
a. General Liability		\$421,000	\$42,100	\$378,900
b. Automobile Liability		1,664,000	166,400	1,497,600
c. Other Liability		17,401,000	1,740,100	15,660,900
2016/17				
a. General Liability		\$438,000	\$43,800	\$394,200
b. Automobile Liability		1,722,000	172,200	1,549,800
c. Other Liability		18,097,000	1,809,700	16,287,300



COOK COUNTY, ILLINOIS
SUMMARY EXHIBITS

Summary Exhibit 5

Actual and Projected Paid Losses (\$Millions)

	Actual Limited Paid Losses 2010/11	Actual Limited Paid Losses 2011/12	Actual Limited Paid Losses 2012/13	Actual Limited Paid Losses 2013/14	Average Paid Losses 2010/11 to 2013/14	Projected Paid Losses 2014/15	Projected Paid Losses 2015/16	Projected Paid Losses 2016/17
I. Health Care Facilities								
(Ai) WC - Indemnity	\$2.19	\$1.87	\$1.65	\$2.41	\$2.03	\$2.84	\$2.67	\$2.55
(Aii) WC - Medical	0.72	0.70	0.78	1.06	0.82	1.04	1.10	1.11
(A) Workers compensation	\$2.91	\$2.57	\$2.42	\$3.48	\$2.85	\$3.88	\$3.76	\$3.66
(Bi) Cermak	1.00	0.00	1.00	0.05	0.51	1.22	1.21	1.59
(Bii) John H. Stroger	16.41	3.14	27.39	12.04	14.75	17.48	18.12	18.52
(Biii) Oak Forest	1.35	0.00	0.10	0.00	0.36	0.38	0.34	0.31
(Biv) Provident	0.00	0.60	0.80	0.00	0.35	2.14	1.56	1.19
(Bv) Unspecified	0.00	0.00	0.00	0.00	0.00	0.48	0.25	0.29
(B) Medical malpractice	\$18.76	\$3.74	\$29.29	\$12.08	\$15.97	\$21.71	\$21.48	\$21.90
(C) Subtotal	\$21.68	\$6.31	\$31.72	\$15.56	\$18.81	\$25.60	\$25.24	\$25.56
II. General Government								
(Di) WC - Indemnity	10.91	10.73	10.13	12.87	11.16	11.46	11.93	12.38
(Dii) WC - Medical	7.83	6.84	6.34	6.80	6.95	7.18	7.95	8.67
(D) Workers compensation	\$18.74	\$17.57	\$16.47	\$19.68	\$18.11	\$18.65	\$19.87	\$21.05
(E) General liability	0.09	0.40	1.43	0.21	0.53	0.63	0.58	0.47
(F) Automobile liability	0.23	3.92	0.24	1.15	1.38	6.08	3.54	2.65
(G) Other liability	51.17	13.86	8.25	7.96	20.31	16.55	16.65	16.95
(H) Subtotal	\$70.23	\$35.75	\$26.39	\$29.00	\$40.34	\$41.91	\$40.64	\$41.12
Total	\$91.90	\$42.06	\$58.10	\$44.56	\$59.16	\$67.51	\$65.88	\$66.68

Section I, Ai is from Exhibits WC-HC-Indem-12, WC-HC-Indem-13, and WC-HC-Indem-14.

Section I, Aii is from Exhibits WC-HC-Med-12, WC-HC-Med-13, and WC-HC-Med-14.

Section I, Bi is from Exhibits MM-Cermak-12, MM-Cermak-13, and MM-Cermak-14.

Section I, Bii is from Exhibits MM-Stroger-12, MM-Stroger-13, and MM-Stroger-14.

Section I, Biii is from Exhibits MM-Oak Forest-12, MM-Oak Forest-13, and MM-Oak Forest-14.

Section I, Biv is from Exhibits MM-Provident-12, MM-Provident-13, and MM-Provident-14.

Section I, Bv is from Exhibits MM-Unspecified-12, MM-Unspecified-13, and MM-Unspecified-14.

Section II, Ei is from Exhibits WC-Gov-Indem-12, WC-Gov-Indem-13, and WC-Gov-Indem-14.

Section II, Eii is from Exhibits WC-Gov-Med-12, WC-Gov-Med-13, and WC-Gov-Med-14.

Section II, F is from Exhibits GL-12, GL-13, and GL-14.

Section II, G is from Exhibits AL-12, AL-13, and AL-14.

Section II, H is from Exhibits OL-12, OL-13, and OL-14.



COOK COUNTY, ILLINOIS
SUMMARY EXHIBITS

Summary Exhibit 6

Projected Ultimate Limited Losses (\$Millions)

	Projected Ultimate Limited Losses 2010/11	Projected Ultimate Limited Losses 2011/12	Projected Ultimate Limited Losses 2012/13	Projected Ultimate Limited Losses 2013/14	Average Ultimate Limited Losses 2010/11 to 2013/14	Projected Ultimate Limited Losses 2014/15	Projected Ultimate Limited Losses 2015/16	Projected Ultimate Limited Losses 2016/17
I. Health Care Facilities								
(Ai) WC - Indemnity	\$1.99	\$2.18	\$2.30	\$2.20	\$2.17	\$2.29	\$2.32	\$2.36
(Aii) WC - Medical	0.85	0.95	0.95	1.00	0.94	1.13	1.17	1.22
(A) Workers compensation	\$2.84	\$3.13	\$3.25	\$3.20	\$3.10	\$3.42	\$3.50	\$3.58
(Bi) Cermak	1.00	2.13	1.75	1.75	1.66	2.07	2.15	2.24
(Bii) John H. Stroger	16.50	43.30	20.00	17.00	24.20	17.69	18.40	19.14
(Biii) Oak Forest	0.30	0.15	0.18	0.20	0.21	0.09	0.09	0.10
(Biv) Provident	0.50	2.00	1.30	1.70	1.38	0.76	0.80	0.83
(Bv) Unspecified	0.10	0.13	0.18	0.18	0.14	0.13	0.14	0.14
(B) Medical malpractice	\$18.40	\$47.70	\$23.40	\$20.83	\$27.58	\$20.75	\$21.58	\$22.44
(C) Subtotal	\$21.24	\$50.83	\$26.65	\$24.03	\$30.69	\$24.17	\$25.08	\$26.02
II. General Government								
(Di) WC - Indemnity	11.32	13.79	12.98	15.00	13.27	13.99	14.20	14.41
(Dii) WC - Medical	4.97	5.38	6.75	9.00	6.52	9.45	9.83	10.23
(D) Workers compensation	\$16.28	\$19.17	\$19.73	\$24.00	\$19.80	\$23.45	\$24.03	\$24.64
(E) General liability	0.20	0.50	0.70	0.50	0.48	0.41	0.42	0.44
(F) Automobile liability	0.90	1.00	1.00	1.65	1.14	1.61	1.66	1.72
(G) Other liability	8.50	18.80	13.50	20.00	15.20	16.73	17.40	18.10
(H) Subtotal	\$25.88	\$39.47	\$34.93	\$46.15	\$36.61	\$42.19	\$43.52	\$44.90
Total	\$47.12	\$90.29	\$61.58	\$70.18	\$67.29	\$66.36	\$68.59	\$70.92

Section I, Ai is from Exhibits WC-HC-Indem-9 and WC-HC-Indem-10.

Section I, Aii is from Exhibits WC-HC-Med-9 and WC-HC-Med-10.

Section I, Bi is from Exhibits MM-Cermak-9 and MM-Cermak-10.

Section I, Bii is from Exhibits MM-Stroger-9 and MM-Stroger-10.

Section I, Biii is from Exhibits MM-Oak Forest-9 and MM-Oak Forest-10.

Section I, Biv is from Exhibits MM-Provident-9 and MM-Provident-10.

Section I, Bv is from Exhibits MM-Unspecified-9 and MM-Unspecified-10.

Section II, Ei is from Exhibits WC-Gov-Indem-9 and WC-Gov-Indem-10.

Section II, Eii is from Exhibits WC-Gov-Med-9 and WC-Gov-Med-10.

Section II, F is from Exhibits GL-9 and GL-10.

Section II, G is from Exhibits AL-9 and AL-10.

Section II, H is from Exhibits OL-9 and OL-10.



COOK COUNTY, ILLINOIS
MEDICAL MALPRACTICE AND LIABILITY

Summary Exhibit 7

Calculation of Claims-Related Expense Reserves

	Fiscal Year (1)	Medical Malpractice and Liability (2)	Medical Malpractice (3)	Liability (4)
1. Expense Payments				
	2000/01	\$2,388,809	\$238,881	\$2,149,928
	2001/02	2,400,000	240,000	2,160,000
	2002/03	3,300,699	330,070	2,970,629
	2003/04	5,625,222	562,522	5,062,700
	2004/05	5,813,337	581,334	5,232,004
	2005/06	5,333,045	533,305	4,799,741
	2006/07	7,372,403	737,240	6,635,162
	2007/08	9,439,841	943,984	8,495,856
	2008/09	10,508,333	1,050,833	9,457,500
	2009/10	10,557,734	1,055,773	9,501,961
	2010/11	8,848,598	884,860	7,963,739
	2011/12	7,002,846	700,285	6,302,562
	2012/13	9,003,473	900,347	8,103,126
	2013/14	8,317,476	831,748	7,485,728
	Average	\$6,850,844	\$685,084	\$6,165,760
2. Average FY 2001-2014 Loss Payments		\$37,073,168	\$23,243,361	\$13,829,808
3. Ratio of Expense Payments to Loss Payments (Section 1 / Section 2)		Actual	2.95%	44.58%
		Prior	2.50%	40.00%
		Selected	2.50%	40.00%
4. Case Reserves as of 11/30/14		\$149,661,100	\$77,577,500	\$72,083,600
5. IBNR Reserves as of 11/30/14		103,101,253	57,520,001	45,581,252
6. Estimated Undiscounted Expense Reserves as of 11/30/14		35,056,939	2,407,719	32,649,221
7. Discount Factor		0.920	0.908	0.921
8. Estimated Discounted Expense Reserves as of 11/30/14		32,266,226	2,186,530	30,079,696
9. Estimated Outstanding Losses as of 11/30/15		247,277,596	134,132,217	113,145,379
9a. Estimated Case Reserves as of 11/30/15		146,338,092	77,023,202	69,314,890
9b. Estimated IBNR Reserves as of 11/30/15		100,939,504	57,109,015	43,830,489
10. Estimated Undiscounted Expense Reserves as of 11/30/15		33,785,689	2,390,515	31,395,174
11. Estimated Discounted Expense Reserves as of 11/30/15		31,095,251	2,170,907	28,924,344
12. Estimated Outstanding Losses as of 11/30/16		246,101,770	134,232,740	111,869,030
12a. Estimated Case Reserves as of 11/30/16		145,613,901	77,080,925	68,532,976
12b. Estimated IBNR Reserves as of 11/30/16		100,487,869	57,151,815	43,336,054
13. Estimated Undiscounted Expense Reserves as of 11/30/16		33,433,324	2,392,307	31,041,017
14. Estimated Discounted Expense Reserves as of 11/30/16		30,770,593	2,172,534	28,598,059

Section 6 = (Section 3 x 50% x Section 4) + (Section 3 x Section 5).

Section 7 is based on the discounted reserves divided by the undiscounted reserves.



COOK COUNTY, ILLINOIS
 MEDICAL MALPRACTICE - ALL HOSPITALS COMBINED

Summary Exhibit 8

Estimated Outstanding Losses as of November 30, 2014

Claim Period (1)	Limited Paid Losses 11/30/14 (2)	Limited Case Reserves 11/30/14 (3)	Limited Reported Incurred Losses 11/30/14 (4)	Projected Ultimate Limited Losses (5)	Estimated IBNR 11/30/14 (5)-(4) (6)	Estimated Outstanding Losses 11/30/14 (3) + (6) (7)	Present Value Factor (8)	Present Value of Estimated Outstanding Losses 11/30/14 (7) x (8) (9)
to 1994/95	\$175,183,085	\$5,000,000	\$180,183,085	\$180,183,085	\$0	\$5,000,000	1.00	\$5,000,000
1995/96	25,279,041	0	25,279,041	25,279,041	0	0	1.00	0
1996/97	15,627,700	0	15,627,700	15,627,700	0	0	1.00	0
1997/98	42,341,900	0	42,341,900	42,341,900	0	0	1.00	0
1998/99	11,175,000	3,000,000	14,175,000	14,475,000	300,000	3,300,000	1.00	3,300,000
1999/00	37,925,000	0	37,925,000	37,925,000	0	0	1.00	0
2000/01	11,706,000	0	11,706,000	11,706,000	0	0	1.00	0
2001/02	25,910,540	0	25,910,540	25,910,540	0	0	1.00	0
2002/03	7,165,500	0	7,165,500	7,165,500	0	0	1.00	0
2003/04	40,021,000	0	40,021,000	40,021,000	0	0	0.98	0
2004/05	21,614,850	0	21,614,850	21,614,850	0	0	0.97	0
2005/06	12,224,320	14,000,000	26,224,320	27,711,320	1,487,000	15,487,000	0.96	14,888,542
2006/07	4,766,100	0	4,766,100	5,516,100	750,000	750,000	0.95	716,054
2007/08	8,427,000	2,500,000	10,927,000	12,025,000	1,098,000	3,598,000	0.95	3,405,644
2008/09	4,405,000	5,950,000	10,355,000	13,425,000	3,070,000	9,020,000	0.93	8,417,180
2009/10	7,652,500	7,050,000	14,702,500	19,795,000	5,092,500	12,142,500	0.93	11,346,501
2010/11	2,850,000	8,255,000	11,105,000	18,400,000	7,295,000	15,550,000	0.92	14,297,329
2011/12	20,824,999	19,102,000	39,926,999	47,700,000	7,773,001	26,875,001	0.90	24,133,937
2012/13	850,000	11,160,500	12,010,500	23,400,000	11,389,500	22,550,000	0.87	19,637,788
2013/14	0	1,560,000	1,560,000	20,825,000	19,265,000	20,825,000	0.84	17,543,586
Total	\$475,949,535	\$77,577,500	\$553,527,035	\$611,047,036	\$57,520,001	\$135,097,501		\$122,686,561



COOK COUNTY, ILLINOIS
SUMMARY EXHIBITS

Summary of Loss Payments

Claim Period (1)	Workers Compensation (2)	Liability Common Claims (3)	Medical Malpractice (Excluding Large Claims) (4)	Liability Catastrophe Claims and Med Mal Claims (5)	Total (6)
I. Actual Payments					
1995/96	\$10,993,178	\$2,423,315	\$17,479,600	\$750,000	\$31,646,093
1996/97	8,868,321	3,072,412	6,189,500	0	18,130,233
1997/98	9,055,271	2,956,966	23,423,000	0	35,435,237
1998/99	9,294,766	3,339,344	19,898,900	15,772,220	48,305,230
1999/00	9,777,906	3,779,701	36,918,877	11,635,555	62,112,039
2000/01	10,377,014	3,842,381	30,313,000	17,894,722	62,427,117
2001/02	11,711,329	1,231,819	21,071,700	2,975,000	36,989,848
2002/03	11,743,398	2,184,184	28,420,541	5,200,000	47,548,123
2003/04	14,846,640	3,467,845	17,786,500	625,000	36,725,985
2004/05	16,136,301	2,754,958	13,779,500	17,750,000	50,420,759
2005/06	16,824,867	2,573,671	16,605,040	29,567,543	65,571,121
2006/07	16,278,694	7,784,841	24,334,820	16,760,000	65,158,355
2007/08	19,695,589	9,983,268	22,141,450	29,450,250	81,270,557
2008/09	24,349,162	8,530,865	16,469,000	0	49,349,027
2009/10	19,238,537	12,743,402	16,758,000	0	48,739,939
2010/11	21,648,616	6,855,702	18,765,000	44,634,001	91,903,319
2011/12	20,142,760	18,175,329	3,740,000	0	42,058,088
2012/13	18,890,070	9,919,330	9,292,499	20,000,000	58,101,899
2013/14	23,156,358	9,323,194	12,080,000	0	44,559,552
II. Estimated Future Payments					
2014/15	22,528,151	23,264,473	21,714,284		67,506,908
2015/16	23,638,504	20,762,349	21,478,477		65,879,330
2016/17	24,716,006	20,068,542	21,900,352		66,684,900

Payments are limited to Cook County's self-insured retentions.

Section I, (3) excludes liability claims with actual or expected value greater than \$500,000.

Section I, (5) for 2004/05 through 2006/07 is the actual payments on large medical malpractice claims with a total ultimate value of \$51 million, plus payments over \$500,000 on liability claims.

Section II, (3) and (4) exclude claims included in Section II, (5).

Section III, (5) assumes open large claims will all be paid in 2010/11. Large claims are defined as at least \$1 million for liability and \$5 million for medical malpractice.



COOK COUNTY, ILLINOIS
SUMMARY EXHIBITS

Summary Exhibit 10

Comparison of Projected Ultimate Losses (\$000s)
Loss & ALAE (Excludes Claims Handling Expenses)
Summary by Coverage

Losses Limited to Actual Retention

Coverage (1)	Limited Reported Incurred Losses 11/30/13 (2)	Limited Reported Incurred Losses 11/30/14 (3)	Estimated Outstanding Losses 11/30/13 (6) - (9)	Estimated Outstanding Losses 11/30/14 (7) - (10)	Projected Ultimate Limited Losses 11/30/13 (6)	Projected Ultimate Limited Losses 11/30/14 (7)	Change in Ultimate (7) - (6) (8)	Percentage Change in Ultimate (7) / (6) - 1 (9)	Limited Paid Losses 11/30/13 (10)	Limited Paid Losses 11/30/14 (11)	Limited Case Reserves 11/30/13 (2) - (10)	Limited Case Reserves 11/30/14 (3) - (11)	Estimated IBNR 11/30/13 (4)-(12)	Estimated IBNR 11/30/14 (5)-(13)
A. Health Care Facilities														
(Ai) WC - Indemnity	\$65,371	\$72,779	\$6,470	\$10,054	\$71,665	\$75,906	\$4,241	5.9%	\$63,439	\$65,852	\$1,932	\$6,927	\$4,538	\$3,127
(Aii) WC - Medical	26,588	27,898	2,896	2,109	29,604	28,702	(903)	-3.0%	25,528	26,592	1,060	1,306	1,836	803
(Bi) Cermak	22,093	22,558	8,509	8,650	29,375	27,538	(1,837)	-6.3%	18,843	18,888	3,251	3,670	5,258	4,980
(Bii) John H. Stroger	409,116	428,720	111,714	114,698	479,138	474,521	(4,617)	-1.0%	347,788	359,823	61,328	68,897	50,386	45,801
(Biii) Oak Forest	26,975	27,375	2,200	1,750	29,238	28,575	(663)	-2.3%	26,825	26,825	150	550	2,050	1,200
(Biv) Provident	28,220	28,590	9,800	8,300	36,684	33,440	(3,244)	-8.8%	25,140	25,140	3,080	3,450	6,720	4,850
(Bv) Unspecified	45,364	46,284	715	1,700	46,141	46,974	833	1.8%	45,274	45,274	90	1,011	625	690
B. General Government														
(Ei) WC - Indemnity	169,329	202,551	40,429	53,916	214,872	228,178	13,306	6.2%	161,387	174,262	7,942	28,289	32,488	25,627
(Eii) WC - Medical	103,573	113,497	18,984	13,950	127,515	120,599	(6,916)	-5.4%	99,845	106,649	3,728	6,848	15,256	7,102
(F) General liability	9,774	10,089	1,690	1,529	11,335	10,955	(380)	-3.4%	9,216	9,426	559	662	1,131	866
(G) Automobile liability	29,883	31,588	10,446	10,551	33,961	33,770	(191)	-0.6%	22,067	23,219	7,816	8,369	2,630	2,181
(H) Other liability	212,952	242,209	84,448	105,585	272,272	284,743	12,470	4.6%	171,197	179,157	41,756	63,052	42,692	42,534
Total	\$1,149,237	\$1,254,138	\$298,300	\$332,791	\$1,381,800	\$1,393,899	\$12,099	0.9%	\$1,016,548	\$1,061,107	\$132,689	\$193,031	\$165,611	\$139,760



COOK COUNTY, ILLINOIS
SUMMARY EXHIBITS

Summary Exhibit 11

Comparison of Projected Ultimate Losses (\$000s)
Loss & ALAE (Excludes Claims Handling Expenses)
Summary by Claim Period

Losses Limited to Actual Retention

Claim Period (1)	Limited Reported Incurred Losses 11/30/13 (2)	Limited Reported Incurred Losses 11/30/14 (3)	Estimated Outstanding Losses 11/30/13 (6) - (9)	Estimated Outstanding Losses 11/30/14 (7) - (10)	Projected Ultimate Limited Losses 11/30/13 (6)	Projected Ultimate Limited Losses 11/30/14 (7)	Change in Ultimate (7) - (6) (8)	Percentage Change in Ultimate (7) / (6) - 1 (9)	Limited Paid Losses 11/30/13 (10)	Limited Paid Losses 11/30/14 (11)	Limited Case Reserves 11/30/13 (2) - (10) (12)	Limited Case Reserves 11/30/14 (3) - (11) (13)	Estimated IBNR 11/30/13 (4)-(12) (14)	Estimated IBNR 11/30/14 (5)-(13) (15)
to 1994/95	\$340,856	\$342,405	\$8,819	\$8,606	\$342,565	\$342,733	\$168	0.0%	\$333,746	\$334,127	\$7,110	\$8,278	\$1,709	\$328
1995/96	39,830	41,341	452	1,976	39,940	41,521	1,580	4.0%	39,488	39,545	342	1,796	110	180
1996/97	27,427	27,555	149	154	27,517	27,569	52	0.2%	27,369	27,416	59	140	90	14
1997/98	53,538	53,753	120	251	53,570	53,776	206	0.4%	53,450	53,524	88	229	32	23
1998/99	29,675	29,675	3,789	3,640	30,115	30,007	(108)	-0.4%	26,326	26,366	3,349	3,309	440	332
1999/00	54,477	54,524	313	310	54,530	54,553	23	0.0%	54,217	54,242	260	282	53	29
2000/01	43,582	44,461	348	1,021	43,727	44,554	828	1.9%	43,378	43,534	204	928	144	93
2001/02	55,473	59,484	893	4,811	55,695	59,922	4,226	7.6%	54,802	55,111	671	4,374	222	437
2002/03	29,974	30,625	597	802	30,381	30,739	358	1.2%	29,784	29,937	190	688	407	114
2003/04	121,166	121,637	1,464	1,713	121,572	121,953	381	0.3%	120,108	120,239	1,058	1,397	406	316
2004/05	67,523	69,237	17,896	18,783	68,756	71,017	2,261	3.3%	50,861	52,234	16,663	17,002	1,233	1,780
2005/06	36,589	48,115	9,104	17,143	38,814	50,070	11,256	29.0%	29,709	32,927	6,880	15,189	2,225	1,955
2006/07	33,289	36,350	9,680	6,656	39,505	39,013	(492)	-1.2%	29,825	32,357	3,464	3,993	6,216	2,663
2007/08	47,781	48,300	21,402	16,093	56,610	53,620	(2,990)	-5.3%	35,208	37,527	12,573	10,773	8,829	5,320
2008/09	31,052	37,671	23,015	16,599	45,392	42,997	(2,395)	-5.3%	22,377	26,398	8,675	11,273	14,340	5,326
2009/10	43,359	50,839	42,373	33,055	62,011	60,685	(1,326)	-2.1%	19,638	27,630	23,721	23,209	18,652	9,846
2010/11	25,830	33,520	40,837	28,570	53,663	47,122	(6,541)	-12.2%	12,826	18,552	13,004	14,968	27,833	13,602
2011/12	52,343	73,854	56,582	55,244	86,658	90,293	3,635	4.2%	30,076	35,049	22,267	38,805	34,315	16,439
2012/13	15,472	31,739	60,466	51,875	63,827	61,581	(2,246)	-3.5%	3,361	9,706	12,111	22,033	48,355	29,842
2013/14		19,053		65,489	66,952	70,175	3,223	4.8%		4,686		14,367		51,122
Total	\$1,149,237	\$1,254,138	\$298,300	\$332,791	\$1,381,800	\$1,393,899	\$12,099	0.9%	\$1,016,548	\$1,061,107	\$132,689	\$193,031	\$165,611	\$139,760
Total (ex FY14)	\$1,149,237	\$1,235,085	\$298,300	\$267,303	\$1,314,848	\$1,323,724	\$8,876	0.7%	\$1,016,548	\$1,056,421	\$132,689	\$178,664	\$165,611	\$88,638



COOK COUNTY, ILLINOIS
WORKERS' COMPENSATION - HEALTH CARE FACILITIES (INDEMNITY)

Summary Exhibit 12

Comparison of Projected Ultimate Losses (\$000s)
Loss & ALAE (Excludes Claims Handling Expenses)

Losses Limited to Actual Retention

Claim Period (1)	Limited Reported Incurred Losses 11/30/13 (2)	Limited Reported Incurred Losses 11/30/14 (3)	Estimated Outstanding Losses 11/30/13 (6) - (9) (4)	Estimated Outstanding Losses 11/30/14 (7) - (10) (5)	Projected Ultimate Limited Losses 11/30/13 (6)	Projected Ultimate Limited Losses 11/30/14 (7)	Change in Ultimate (7) - (6) (8)	Limited Paid Losses 11/30/13 (9)	Limited Paid Losses 11/30/14 (10)	Limited Case Reserves 11/30/13 (2) - (9) (11)	Limited Case Reserves 11/30/14 (3) - (10) (12)	Estimated IBNR 11/30/13 (4)-(11) (13)	Estimated IBNR 11/30/14 (5)-(12) (14)
to 1994/95	\$34,973	\$35,476	\$1,031	\$1,123	\$35,259	\$35,578	\$319	\$34,229	\$34,455	\$744	\$1,021	\$286	\$102
1995/96	2,387	2,388	0	1	2,387	2,388	1	2,387	2,387	0	1	0	0
1996/97	3,474	3,566	120	99	3,549	3,575	26	3,429	3,476	45	90	75	9
1997/98	1,306	1,312	0	7	1,306	1,312	7	1,306	1,306	0	6	0	1
1998/99	2,631	2,631	333	295	2,655	2,658	3	2,322	2,363	309	268	24	27
1999/00	1,652	1,667	0	17	1,652	1,669	17	1,652	1,652	0	16	0	2
2000/01	1,402	1,438	0	40	1,402	1,442	40	1,402	1,402	0	37	0	4
2001/02	1,095	1,110	0	17	1,095	1,111	16	1,095	1,095	0	15	0	2
2002/03	2,743	2,763	160	36	2,875	2,767	(108)	2,715	2,731	28	32	132	4
2003/04	1,653	1,802	123	166	1,776	1,819	43	1,653	1,653	0	150	123	17
2004/05	1,937	2,819	172	969	2,052	2,926	874	1,880	1,957	56	862	115	107
2005/06	1,442	1,632	0	37	1,442	1,638	196	1,442	1,601	0	31	0	6
2006/07	2,041	2,054	320	214	2,189	2,091	(98)	1,869	1,877	172	177	148	37
2007/08	1,580	1,947	0	455	1,580	2,052	472	1,580	1,597	0	350	0	105
2008/09	1,181	1,789	451	593	1,600	1,953	353	1,148	1,360	32	429	419	164
2009/10	1,200	1,982	662	1,015	1,808	2,261	453	1,146	1,246	53	736	608	279
2010/11	1,111	1,730	763	875	1,710	1,990	280	947	1,115	164	614	599	260
2011/12	1,014	1,772	953	1,006	1,856	2,175	319	903	1,169	111	602	842	403
2012/13	552	1,720	1,383	1,370	1,717	2,300	583	334	930	217	790	1,165	580
2013/14		1,181		1,720	1,756	2,200	444		480		701		1,019
Total	\$65,371	\$72,779	\$6,470	\$10,054	\$71,665	\$75,906	\$4,241	\$63,439	\$65,852	\$1,932	\$6,927	\$4,538	\$3,127
Total (ex FY14)	\$65,371	\$71,598	\$6,470	\$8,334	\$69,909	\$73,706	\$3,797	\$63,439	\$65,372	\$1,932	\$6,227	\$4,538	\$2,107



COOK COUNTY, ILLINOIS
WORKERS' COMPENSATION - HEALTH CARE FACILITIES (MEDICAL)

Summary Exhibit 13

Comparison of Projected Ultimate Losses (\$000s)
Loss & ALAE (Excludes Claims Handling Expenses)

Losses Limited to Actual Retention

Claim Period (1)	Limited Reported Incurred Losses 11/30/13 (2)	Limited Reported Incurred Losses 11/30/14 (3)	Estimated Outstanding Losses 11/30/13 (4) - (9)	Estimated Outstanding Losses 11/30/14 (7) - (10) (5)	Projected Ultimate Limited Losses 11/30/13 (6)	Projected Ultimate Limited Losses 11/30/14 (7)	Change in Ultimate (7) - (6) (8)	Limited Paid Losses 11/30/13 (9)	Limited Paid Losses 11/30/14 (10)	Limited Case Reserves 11/30/13 (2) - (9) (11)	Limited Case Reserves 11/30/14 (3) - (10) (12)	Estimated IBNR (4)-(11) (13)	Estimated IBNR (5)-(12) (14)
to 1994/95	\$11,857	\$11,857	\$479	\$445	\$11,900	\$11,897	(\$3)	\$11,421	\$11,452	\$436	\$404	\$43	\$40
1995/96	658	658	0	0	658	658	0	658	658	0	0	0	0
1996/97	799	799	29	16	813	800	(13)	784	784	14	14	14	1
1997/98	428	428	0	0	428	428	0	428	428	0	0	0	0
1998/99	761	761	44	45	764	765	1	720	720	40	40	4	4
1999/00	949	954	0	6	949	954	6	949	949	0	5	0	1
2000/01	835	835	0	0	835	835	0	835	835	0	0	0	0
2001/02	702	702	0	0	702	702	0	702	702	0	0	0	0
2002/03	1,058	1,061	63	5	1,116	1,061	(55)	1,053	1,056	5	5	58	0
2003/04	1,101	1,104	0	0	1,101	1,104	4	1,101	1,104	0	0	0	0
2004/05	1,437	1,443	113	17	1,522	1,444	(78)	1,409	1,428	29	15	84	2
2005/06	877	877	0	3	877	880	3	877	877	0	0	0	3
2006/07	985	1,033	0	4	985	1,037	52	985	1,033	0	0	0	4
2007/08	828	828	101	7	929	835	(94)	828	828	0	0	101	7
2008/09	753	794	145	34	883	800	(83)	738	766	15	29	130	6
2009/10	691	741	214	53	888	750	(138)	674	697	17	43	197	9
2010/11	762	778	202	127	913	850	(63)	711	723	51	55	151	72
2011/12	722	869	478	178	1,047	950	(97)	569	772	153	97	324	81
2012/13	385	769	1,027	393	1,114	950	(164)	87	557	299	212	729	181
2013/14		608		777	1,181	1,000	(181)		223		385		392
Total	\$26,588	\$27,898	\$2,896	\$2,109	\$29,604	\$28,702	(\$903)	\$25,528	\$26,592	\$1,060	\$1,306	\$1,836	\$803
Total (ex FY14)	\$26,588	\$27,291	\$2,896	\$1,332	\$28,423	\$27,702	(\$722)	\$25,528	\$26,370	\$1,060	\$921	\$1,836	\$411



COOK COUNTY, ILLINOIS
 MEDICAL MALPRACTICE - CERMAK HEALTH SERVICES

Summary Exhibit 14

Comparison of Projected Ultimate Losses (\$000s)
 Loss & ALAE (Excludes Claims Handling Expenses)

Losses Limited to Actual Retention

Claim Period (1)	Limited Reported Incurred Losses 11/30/13 (2)	Limited Reported Incurred Losses 11/30/14 (3)	Estimated Outstanding Losses 11/30/13 (6) - (9)	Estimated Outstanding Losses 11/30/14 (7) - (10)	Projected Ultimate Limited Losses 11/30/13 (6)	Projected Ultimate Limited Losses 11/30/14 (7)	Change in Ultimate (7) - (6) (8)	Limited Paid Losses 11/30/13 (9)	Limited Paid Losses 11/30/14 (10)	Limited Case Reserves 11/30/13 (2) - (9) (11)	Limited Case Reserves 11/30/14 (3) - (10) (12)	Estimated IBNR 11/30/13 (4)-(11) (13)	Estimated IBNR 11/30/14 (5)-(12) (14)
to 1994/95	\$259	\$259	\$0	\$0	\$259	\$259	\$0	\$259	\$259	\$0	\$0	\$0	\$0
1995/96	8,000	8,000	0	0	8,000	8,000	0	8,000	8,000	0	0	0	0
1996/97	0	0	0	0	0	0	0	0	0	0	0	0	0
1997/98	503	503	0	0	503	503	0	503	503	0	0	0	0
1998/99	50	50	0	0	50	50	0	50	50	0	0	0	0
1999/00	2,250	2,250	0	0	2,250	2,250	0	2,250	2,250	0	0	0	0
2000/01	950	950	0	0	950	950	0	950	950	0	0	0	0
2001/02	1,213	1,213	0	0	1,213	1,213	0	1,213	1,213	0	0	0	0
2002/03	22	22	0	0	22	22	0	22	22	0	0	0	0
2003/04	3,409	3,409	0	0	3,409	3,409	0	3,409	3,409	0	0	0	0
2004/05	18	18	0	0	18	18	0	18	18	0	0	0	0
2005/06	1,028	1,028	0	0	1,028	1,028	0	1,028	1,028	0	0	0	0
2006/07	246	16	284	0	300	16	(284)	16	16	230	0	54	0
2007/08	1,125	1,125	75	0	1,200	1,125	(75)	1,125	1,125	0	0	75	0
2008/09	0	0	850	0	850	0	(850)	0	0	0	0	850	0
2009/10	1,200	1,845	1,750	2,025	1,750	2,070	320	0	45	1,200	1,800	550	225
2010/11	50	50	1,250	1,000	1,250	1,000	(250)	0	0	50	50	1,200	950
2011/12	1,501	1,600	2,300	2,125	2,300	2,125	(175)	0	0	1,501	1,600	800	525
2012/13	270	220	2,000	1,750	2,000	1,750	(250)	0	0	270	220	1,730	1,530
2013/14	0	0	1,750	1,750	2,023	1,750	(273)	0	0	0	0	0	1,750
Total	\$22,093	\$22,558	\$8,509	\$8,650	\$29,375	\$27,538	(\$1,837)	\$18,843	\$18,888	\$3,251	\$3,670	\$5,258	\$4,980
Total (ex FY14)	\$22,093	\$22,558	\$8,509	\$6,900	\$27,352	\$25,788	(\$1,564)	\$18,843	\$18,888	\$3,251	\$3,670	\$5,258	\$3,230



COOK COUNTY, ILLINOIS
 MEDICAL MALPRACTICE - JOHN H. STROGER, JR. HOSPITAL

Summary Exhibit 15

Comparison of Projected Ultimate Losses (\$000s)
 Loss & ALAE (Excludes Claims Handling Expenses)

Losses Limited to Actual Retention

Claim Period (1)	Limited Reported Incurred Losses 11/30/13 (2)	Limited Reported Incurred Losses 11/30/14 (3)	Estimated Outstanding Losses 11/30/13 (4)	Estimated Outstanding Losses 11/30/14 (5)	Projected Ultimate Limited Losses 11/30/13 (6)	Projected Ultimate Limited Losses 11/30/14 (7)	Change in Ultimate (7) - (6) (8)	Limited Paid Losses 11/30/13 (9)	Limited Paid Losses 11/30/14 (10)	Limited Case Reserves 11/30/13 (2) - (9) (11)	Limited Case Reserves 11/30/14 (3) - (10) (12)	Estimated IBNR 11/30/13 (4)-(11) (13)	Estimated IBNR 11/30/14 (5)-(12) (14)
to 1994/95	\$139,630	\$139,630	\$5,500	\$5,000	\$140,130	\$139,630	(\$500)	\$134,630	\$134,630	\$5,000	\$5,000	\$500	\$0
1995/96	16,727	16,727	0	0	16,727	16,727	0	16,727	16,727	0	0	0	0
1996/97	11,237	11,237	0	0	11,237	11,237	0	11,237	11,237	0	0	0	0
1997/98	30,084	30,084	0	0	30,084	30,084	0	30,084	30,084	0	0	0	0
1998/99	12,880	12,880	3,300	3,300	13,180	13,180	0	9,880	9,880	3,000	3,000	300	300
1999/00	33,190	33,190	0	0	33,190	33,190	0	33,190	33,190	0	0	0	0
2000/01	10,411	10,411	0	0	10,411	10,411	0	10,411	10,411	0	0	0	0
2001/02	23,648	23,648	0	0	23,648	23,648	0	23,648	23,648	0	0	0	0
2002/03	4,269	4,269	0	0	4,269	4,269	0	4,269	4,269	0	0	0	0
2003/04	8,378	8,378	0	0	8,378	8,378	0	8,378	8,378	0	0	0	0
2004/05	19,607	19,607	1,143	0	19,750	19,607	(143)	18,607	19,607	1,000	0	143	0
2005/06	12,575	22,575	2,495	13,287	13,000	23,862	10,862	10,505	10,575	2,070	12,000	425	1,287
2006/07	4,750	4,750	3,750	750	8,500	5,500	(3,000)	4,750	4,750	0	0	3,750	750
2007/08	10,802	9,502	6,498	3,498	13,500	10,500	(3,000)	7,002	7,002	3,800	2,500	2,698	998
2008/09	9,255	9,705	12,145	8,395	15,000	12,500	(2,500)	2,855	4,105	6,400	5,600	5,745	2,795
2009/10	14,368	10,858	16,983	8,193	18,500	15,000	(3,500)	1,518	6,808	12,850	4,050	4,133	4,143
2010/11	8,480	11,055	18,000	13,650	18,000	16,500	(1,500)	0	2,850	8,480	8,205	9,520	5,445
2011/12	32,172	37,027	21,900	22,475	42,000	43,300	1,300	20,100	20,825	12,073	16,202	9,828	6,273
2012/13	6,655	11,730	20,000	19,150	20,000	20,000	0	0	850	6,655	10,880	13,345	8,270
2013/14		1,460		17,000	19,636	17,000	(2,636)		0		1,460		15,540
Total	\$409,116	\$428,720	\$111,714	\$114,698	\$479,138	\$474,521	(\$4,617)	\$347,788	\$359,823	\$61,328	\$68,897	\$50,386	\$45,801
Total (ex FY14)	\$409,116	\$427,260	\$111,714	\$97,698	\$459,502	\$457,521	(\$1,981)	\$347,788	\$359,823	\$61,328	\$67,437	\$50,386	\$30,261



COOK COUNTY, ILLINOIS
 MEDICAL MALPRACTICE - OAK FOREST HEALTH CENTER

Summary Exhibit 16

Comparison of Projected Ultimate Losses (\$000s)
 Loss & ALAE (Excludes Claims Handling Expenses)

Losses Limited to Actual Retention

Claim Period (1)	Limited Reported Incurred Losses 11/30/13 (2)	Limited Reported Incurred Losses 11/30/14 (3)	Estimated Outstanding Losses 11/30/13 (4) - (9)	Estimated Outstanding Losses 11/30/14 (5) - (10)	Projected Ultimate Limited Losses 11/30/13 (6)	Projected Ultimate Limited Losses 11/30/14 (7)	Change in Ultimate (7) - (6) (8)	Limited Paid Losses 11/30/13 (9)	Limited Paid Losses 11/30/14 (10)	Limited Case Reserves 11/30/13 (2) - (9) (11)	Limited Case Reserves 11/30/14 (3) - (10) (12)	Estimated IBNR 11/30/13 (4)-(11) (13)	Estimated IBNR 11/30/14 (5)-(12) (14)
to 1994/95	\$2,778	\$2,778	\$0	\$0	\$2,778	\$2,778	\$0	\$2,778	\$2,778	\$0	\$0	\$0	\$0
1995/96	2	2	0	0	2	2	0	2	2	0	0	0	0
1996/97	0	0	0	0	0	0	0	0	0	0	0	0	0
1997/98	0	0	0	0	0	0	0	0	0	0	0	0	0
1998/99	0	0	0	0	0	0	0	0	0	0	0	0	0
1999/00	0	0	0	0	0	0	0	0	0	0	0	0	0
2000/01	0	0	0	0	0	0	0	0	0	0	0	0	0
2001/02	100	100	0	0	100	100	0	100	100	0	0	0	0
2002/03	1,050	1,050	0	0	1,050	1,050	0	1,050	1,050	0	0	0	0
2003/04	20,375	20,375	0	0	20,375	20,375	0	20,375	20,375	0	0	0	0
2004/05	1,900	1,900	0	0	1,900	1,900	0	1,900	1,900	0	0	0	0
2005/06	620	620	0	0	620	620	0	620	620	0	0	0	0
2006/07	0	0	0	0	0	0	0	0	0	0	0	0	0
2007/08	0	0	200	0	200	0	(200)	0	0	0	0	200	0
2008/09	50	350	500	425	500	425	(75)	0	0	50	350	450	75
2009/10	100	200	600	500	600	500	(100)	0	0	100	200	500	300
2010/11	0	0	500	300	500	300	(200)	0	0	0	0	500	300
2011/12	0	0	200	150	200	150	(50)	0	0	0	0	200	150
2012/13	0	0	200	175	200	175	(25)	0	0	0	0	200	175
2013/14	0	0	0	200	213	200	(13)	0	0	0	0	0	200
Total	\$26,975	\$27,375	\$2,200	\$1,750	\$29,238	\$28,575	(\$663)	\$26,825	\$26,825	\$150	\$550	\$2,050	\$1,200
Total (ex FY14)	\$26,975	\$27,375	\$2,200	\$1,550	\$29,025	\$28,375	(\$650)	\$26,825	\$26,825	\$150	\$550	\$2,050	\$1,000



COOK COUNTY, ILLINOIS
 MEDICAL MALPRACTICE - PROVIDENT HOSPITAL

Summary Exhibit 17

Comparison of Projected Ultimate Losses (\$000s)
 Loss & ALAE (Excludes Claims Handling Expenses)

Losses Limited to Actual Retention

Claim Period (1)	Limited Reported Incurred Losses 11/30/13 (2)	Limited Reported Incurred Losses 11/30/14 (3)	Estimated Outstanding Losses 11/30/13 (4) - (9)	Estimated Outstanding Losses 11/30/14 (7) - (10)	Projected Ultimate Limited Losses 11/30/13 (6)	Projected Ultimate Limited Losses 11/30/14 (7)	Change in Ultimate (7) - (6) (8)	Limited Paid Losses 11/30/13 (9)	Limited Paid Losses 11/30/14 (10)	Limited Case Reserves 11/30/13 (2) - (9) (11)	Limited Case Reserves 11/30/14 (3) - (10) (12)	Estimated IBNR 11/30/13 (4)-(11) (13)	Estimated IBNR 11/30/14 (5)-(12) (14)
to 1994/95	\$2,294	\$2,294	\$0	\$0	\$2,294	\$2,294	\$0	\$2,294	\$2,294	\$0	\$0	\$0	\$0
1995/96	550	550	0	0	550	550	0	550	550	0	0	0	0
1996/97	4,391	4,391	0	0	4,391	4,391	0	4,391	4,391	0	0	0	0
1997/98	3,255	3,255	0	0	3,255	3,255	0	3,255	3,255	0	0	0	0
1998/99	1,245	1,245	0	0	1,245	1,245	0	1,245	1,245	0	0	0	0
1999/00	2,485	2,485	0	0	2,485	2,485	0	2,485	2,485	0	0	0	0
2000/01	345	345	0	0	345	345	0	345	345	0	0	0	0
2001/02	200	200	0	0	200	200	0	200	200	0	0	0	0
2002/03	1,025	1,025	0	0	1,025	1,025	0	1,025	1,025	0	0	0	0
2003/04	7,860	7,860	0	0	7,860	7,860	0	7,860	7,860	0	0	0	0
2004/05	90	90	0	0	90	90	0	90	90	0	0	0	0
2005/06	2,000	2,000	2,200	2,200	2,200	2,200	0	0	0	2,000	2,000	200	200
2006/07	500	0	550	0	550	0	(550)	0	0	500	0	50	0
2007/08	300	300	400	100	700	400	(300)	300	300	0	0	400	100
2008/09	300	300	700	200	1,000	500	(500)	300	300	0	0	700	200
2009/10	800	800	700	300	1,500	1,100	(400)	800	800	0	0	700	300
2010/11	0	0	1,500	500	1,500	500	(1,000)	0	0	0	0	1,500	500
2011/12	580	1,300	2,000	2,000	2,000	2,000	0	0	0	580	1,300	1,420	700
2012/13	0	50	1,750	1,300	1,750	1,300	(450)	0	0	0	50	1,750	1,250
2013/14		100		1,700	1,744	1,700	(44)		0		100		1,600
Total	\$28,220	\$28,590	\$9,800	\$8,300	\$36,684	\$33,440	(\$3,244)	\$25,140	\$25,140	\$3,080	\$3,450	\$6,720	\$4,850
Total (ex FY14)	\$28,220	\$28,490	\$9,800	\$6,600	\$34,940	\$31,740	(\$3,200)	\$25,140	\$25,140	\$3,080	\$3,350	\$6,720	\$3,250



COOK COUNTY, ILLINOIS
 MEDICAL MALPRACTICE - UNSPECIFIED HOSPITAL / AMBULATORY CARE

Summary Exhibit 18

Comparison of Projected Ultimate Losses (\$000s)
 Loss & ALAE (Excludes Claims Handling Expenses)

Losses Limited to Actual Retention

Claim Period (1)	Limited Reported Incurred Losses 11/30/13 (2)	Limited Reported Incurred Losses 11/30/14 (3)	Estimated Outstanding Losses 11/30/13 (6) - (9) (4)	Estimated Outstanding Losses 11/30/14 (7) - (10) (5)	Projected Ultimate Limited Losses 11/30/13 (6)	Projected Ultimate Limited Losses 11/30/14 (7)	Change in Ultimate (7) - (6) (8)	Limited Paid Losses 11/30/13 (9)	Limited Paid Losses 11/30/14 (10)	Limited Case Reserves 11/30/13 (2) - (9) (11)	Limited Case Reserves 11/30/14 (3) - (10) (12)	Estimated IBNR 11/30/13 (4)-(11) (13)	Estimated IBNR 11/30/14 (5)-(12) (14)
to 1994/95	\$35,223	\$35,223	\$0	\$0	\$35,223	\$35,223	\$0	\$35,223	\$35,223	\$0	\$0	\$0	\$0
1995/96	0	0	0	0	0	0	0	0	0	0	0	0	0
1996/97	0	0	0	0	0	0	0	0	0	0	0	0	0
1997/98	8,500	8,500	0	0	8,500	8,500	0	8,500	8,500	0	0	0	0
1998/99	0	0	0	0	0	0	0	0	0	0	0	0	0
1999/00	0	0	0	0	0	0	0	0	0	0	0	0	0
2000/01	0	0	0	0	0	0	0	0	0	0	0	0	0
2001/02	750	750	0	0	750	750	0	750	750	0	0	0	0
2002/03	800	800	0	0	800	800	0	800	800	0	0	0	0
2003/04	0	0	0	0	0	0	0	0	0	0	0	0	0
2004/05	0	0	0	0	0	0	0	0	0	0	0	0	0
2005/06	1	1	0	0	1	1	0	1	1	0	0	0	0
2006/07	0	0	0	0	0	0	0	0	0	0	0	0	0
2007/08	0	0	0	0	0	0	0	0	0	0	0	0	0
2008/09	0	0	90	0	90	0	(90)	0	0	0	0	90	0
2009/10	0	1,000	100	1,125	100	1,125	1,025	0	0	0	1,000	100	125
2010/11	80	0	150	100	150	100	(50)	0	0	80	0	70	100
2011/12	0	0	175	125	175	125	(50)	0	0	0	0	175	125
2012/13	10	11	200	175	200	175	(25)	0	0	10	11	190	165
2013/14		0		175	152	175	23		0		0		175
Total	\$45,364	\$46,284	\$715	\$1,700	\$46,141	\$46,974	\$833	\$45,274	\$45,274	\$90	\$1,011	\$625	\$690
Total (ex FY14)	\$45,364	\$46,284	\$715	\$1,525	\$45,989	\$46,799	\$810	\$45,274	\$45,274	\$90	\$1,011	\$625	\$515



COOK COUNTY, ILLINOIS
WORKERS' COMPENSATION - GENERAL GOVERNMENT (INDEMNITY)

Summary Exhibit 19

Comparison of Projected Ultimate Losses (\$000s)
Loss & ALAE (Excludes Claims Handling Expenses)

Losses Limited to Actual Retention

Claim Period	Limited Reported Incurred Losses	Limited Reported Incurred Losses	Estimated Outstanding Losses	Estimated Outstanding Losses	Projected Ultimate Limited Losses	Projected Ultimate Limited Losses	Change in Ultimate	Limited Paid Losses	Limited Paid Losses	Limited Case Reserves	Limited Case Reserves	Estimated IBNR	Estimated IBNR
(1)	11/30/13 (2)	11/30/14 (3)	11/30/13 (6) - (9) (4)	11/30/14 (7) - (10) (5)	11/30/13 (6)	11/30/14 (7)	(7) - (6) (8)	11/30/13 (9)	11/30/14 (10)	(2) - (9) (11)	(3) - (10) (12)	(4)-(11) (13)	(5)-(12) (14)
to 1994/95	\$50,755	\$50,763	\$1,202	\$800	\$51,123	\$50,836	(\$287)	\$49,921	\$50,036	\$834	\$727	\$367	\$73
1995/96	5,481	5,490	375	323	5,515	5,519	5	5,140	5,197	341	293	34	29
1996/97	3,821	3,856	0	39	3,821	3,859	38	3,821	3,821	0	35	0	4
1997/98	3,641	3,843	66	224	3,647	3,863	216	3,581	3,639	60	204	6	20
1998/99	4,262	4,263	26	0	4,288	4,263	(26)	4,262	4,263	0	0	26	0
1999/00	6,099	6,125	215	216	6,118	6,145	27	5,904	5,929	195	196	20	20
2000/01	7,085	7,883	180	859	7,205	7,961	756	7,025	7,102	59	781	121	78
2001/02	7,726	8,750	329	1,369	7,755	8,874	1,119	7,426	7,505	299	1,245	30	124
2002/03	7,634	8,262	258	761	7,841	8,372	531	7,582	7,611	52	651	206	110
2003/04	7,825	8,474	635	1,401	7,883	8,733	850	7,248	7,332	577	1,142	58	259
2004/05	7,449	7,705	432	444	7,543	7,800	257	7,111	7,356	338	350	94	95
2005/06	7,682	8,354	786	522	8,323	8,474	151	7,536	7,952	146	402	641	120
2006/07	9,513	10,647	1,435	1,401	10,566	10,984	418	9,131	9,583	382	1,065	1,053	337
2007/08	8,863	11,257	2,213	1,993	10,668	11,813	1,145	8,455	9,820	408	1,437	1,805	556
2008/09	9,131	12,857	3,222	3,985	11,929	13,980	2,051	8,708	9,995	423	2,863	2,799	1,123
2009/10	7,962	11,691	4,818	4,774	12,476	13,612	1,136	7,658	8,838	304	2,854	4,514	1,921
2010/11	5,658	9,128	6,112	4,618	11,528	11,315	(213)	5,415	6,697	243	2,431	5,869	2,187
2011/12	5,892	9,845	7,693	7,977	11,627	13,793	2,166	3,935	5,816	1,958	4,029	5,735	3,948
2012/13	2,850	7,583	10,433	9,538	11,960	12,981	1,021	1,527	3,443	1,323	4,140	9,110	5,398
2013/14		5,774		12,671	13,056	15,000	1,944		2,329		3,444		9,226
Total	\$169,329	\$202,551	\$40,429	\$53,916	\$214,872	\$228,178	\$13,306	\$161,387	\$174,262	\$7,942	\$28,289	\$32,488	\$25,627
Total (ex FY14)	\$169,329	\$196,777	\$40,429	\$41,246	\$201,816	\$213,178	\$11,362	\$161,387	\$171,932	\$7,942	\$24,845	\$32,488	\$16,401



COOK COUNTY, ILLINOIS
WORKERS' COMPENSATION - GENERAL GOVERNMENT (MEDICAL)

Summary Exhibit 20

Comparison of Projected Ultimate Losses (\$000s)
Loss & ALAE (Excludes Claims Handling Expenses)

Losses Limited to Actual Retention

Claim Period (1)	Limited Reported Incurred Losses 11/30/13 (2)	Limited Reported Incurred Losses 11/30/14 (3)	Estimated Outstanding Losses 11/30/13 (6) - (9) (4)	Estimated Outstanding Losses 11/30/14 (7) - (10) (5)	Projected Ultimate Limited Losses 11/30/13 (6)	Projected Ultimate Limited Losses 11/30/14 (7)	Change in Ultimate (7) - (6) (8)	Limited Paid Losses 11/30/13 (9)	Limited Paid Losses 11/30/14 (10)	Limited Case Reserves 11/30/13 (2) - (9) (11)	Limited Case Reserves 11/30/14 (3) - (10) (12)	Estimated IBNR 11/30/13 (4)-(11) (13)	Estimated IBNR 11/30/14 (5)-(12) (14)
to 1994/95	\$19,905	\$19,952	\$596	\$138	\$20,415	\$19,965	(\$450)	\$19,819	\$19,827	\$86	\$125	\$511	\$13
1995/96	2,547	2,547	77	1	2,623	2,547	(76)	2,546	2,546	1	1	76	0
1996/97	1,719	1,719	0	0	1,719	1,719	0	1,719	1,719	0	0	0	0
1997/98	1,772	1,779	54	20	1,798	1,780	(17)	1,744	1,760	28	19	26	2
1998/99	2,504	2,504	87	0	2,591	2,504	(86)	2,504	2,504	0	0	87	0
1999/00	2,944	2,945	98	72	2,977	2,951	(26)	2,879	2,880	65	65	33	7
2000/01	4,827	4,872	167	121	4,851	4,883	33	4,684	4,762	143	110	23	11
2001/02	4,559	4,546	179	4	4,716	4,546	(170)	4,538	4,542	22	4	157	0
2002/03	4,547	4,547	0	0	4,547	4,547	0	4,547	4,547	0	0	0	0
2003/04	4,143	4,200	201	60	4,303	4,206	(97)	4,102	4,146	41	55	160	6
2004/05	12,187	12,166	719	28	12,826	12,168	(658)	12,107	12,140	79	25	640	3
2005/06	4,180	4,357	316	65	4,481	4,363	(118)	4,166	4,298	14	59	301	6
2006/07	5,337	5,353	509	77	5,772	5,364	(408)	5,263	5,287	74	66	435	11
2007/08	9,869	10,291	1,206	140	10,930	10,320	(610)	9,724	10,180	145	111	1,062	29
2008/09	5,666	6,115	989	316	6,465	6,175	(290)	5,476	5,859	190	257	798	60
2009/10	5,924	6,344	1,558	396	7,189	6,467	(722)	5,631	6,071	293	272	1,265	123
2010/11	4,360	4,739	2,325	460	6,487	4,967	(1,520)	4,162	4,507	198	232	2,127	228
2011/12	3,794	4,744	3,361	1,095	6,553	5,375	(1,178)	3,192	4,280	602	463	2,760	631
2012/13	2,791	4,957	6,542	3,487	7,586	6,750	(836)	1,044	3,263	1,747	1,694	4,795	1,793
2013/14		4,820		7,470	8,686	9,000	314		1,530		3,291		4,180
Total	\$103,573	\$113,497	\$18,984	\$13,950	\$127,515	\$120,599	(\$6,916)	\$99,845	\$106,649	\$3,728	\$6,848	\$15,256	\$7,102
Total (ex FY14)	\$103,573	\$108,677	\$18,984	\$6,479	\$118,829	\$111,599	(\$7,230)	\$99,845	\$105,120	\$3,728	\$3,557	\$15,256	\$2,922



COOK COUNTY, ILLINOIS
GENERAL LIABILITY

Summary Exhibit 21

Comparison of Projected Ultimate Losses (\$000s)
Loss & ALAE (Excludes Claims Handling Expenses)

Losses Limited to Actual Retention

Claim Period (1)	Limited Reported Incurred Losses 11/30/13 (2)	Limited Reported Incurred Losses 11/30/14 (3)	Estimated Outstanding Losses 11/30/13 (6) - (9) (4)	Estimated Outstanding Losses 11/30/14 (7) - (10) (5)	Projected Ultimate Limited Losses 11/30/13 (6)	Projected Ultimate Limited Losses 11/30/14 (7)	Change in Ultimate (7) - (6) (8)	Limited Paid Losses 11/30/13 (9)	Limited Paid Losses 11/30/14 (10)	Limited Case Reserves 11/30/13 (2) - (9) (11)	Limited Case Reserves 11/30/14 (3) - (10) (12)	Estimated IBNR 11/30/13 (4)-(11) (13)	Estimated IBNR 11/30/14 (5)-(12) (14)
to 1994/95	\$2,776	\$2,776	\$0	\$0	\$2,776	\$2,776	\$0	\$2,776	\$2,776	\$0	\$0	\$0	\$0
1995/96	120	120	0	0	120	120	0	120	120	0	0	0	0
1996/97	311	311	0	0	311	311	0	311	311	0	0	0	0
1997/98	1,096	1,096	0	0	1,096	1,096	0	1,096	1,096	0	0	0	0
1998/99	256	256	0	0	256	256	0	256	256	0	0	0	0
1999/00	1,636	1,636	0	0	1,636	1,636	0	1,636	1,636	0	0	0	0
2000/01	693	693	0	0	693	693	0	693	693	0	0	0	0
2001/02	243	243	0	0	243	243	0	243	243	0	0	0	0
2002/03	429	429	0	0	429	429	0	429	429	0	0	0	0
2003/04	35	35	0	0	35	35	0	35	35	0	0	0	0
2004/05	222	222	0	0	222	222	0	222	222	0	0	0	0
2005/06	170	170	0	0	170	170	0	170	170	0	0	0	0
2006/07	118	118	0	0	118	118	0	118	118	0	0	0	0
2007/08	512	447	123	0	525	447	(78)	402	447	110	0	13	0
2008/09	152	152	198	0	350	152	(198)	152	152	0	0	198	0
2009/10	310	305	245	145	450	350	(100)	205	205	105	100	140	45
2010/11	59	139	251	61	275	200	(75)	24	139	35	0	216	61
2011/12	253	396	476	461	500	500	0	24	39	229	357	247	104
2012/13	383	410	397	386	700	700	0	303	314	80	96	317	290
2013/14		135		476	429	500	71		24		110		365
Total	\$ 9,774	\$ 10,089	\$ 1,690	\$ 1,529	\$ 11,335	\$ 10,955	\$ (380)	\$ 9,216	\$ 9,426	\$ 559	\$ 662	\$ 1,131	\$ 866
Total (ex FY14)	\$ 9,774	\$ 9,954	\$ 1,690	\$ 1,053	\$ 10,906	\$ 10,455	\$ (451)	\$ 9,216	\$ 9,402	\$ 559	\$ 552	\$ 1,131	\$ 501



COOK COUNTY, ILLINOIS
AUTOMOBILE LIABILITY

Summary Exhibit 22

Comparison of Projected Ultimate Losses (\$000s)
Loss & ALAE (Excludes Claims Handling Expenses)

Losses Limited to Actual Retention

Claim Period (1)	Limited Reported Incurred Losses 11/30/13 (2)	Limited Reported Incurred Losses 11/30/14 (3)	Estimated Outstanding Losses 11/30/13 (6) - (9) (4)	Estimated Outstanding Losses 11/30/14 (7) - (10) (5)	Projected Ultimate Limited Losses 11/30/13 (6)	Projected Ultimate Limited Losses 11/30/14 (7)	Change in Ultimate (7) - (6) (8)	Limited Paid Losses 11/30/13 (9)	Limited Paid Losses 11/30/14 (10)	Limited Case Reserves 11/30/13 (2) - (9) (11)	Limited Case Reserves 11/30/14 (3) - (10) (12)	Estimated IBNR 11/30/13 (4)-(11) (13)	Estimated IBNR 11/30/14 (5)-(12) (14)
to 1994/95	\$3,551	\$3,551	\$0	\$0	\$3,551	\$3,551	\$0	\$3,551	\$3,551	\$0	\$0	\$0	\$0
1995/96	266	266	0	0	266	266	0	266	266	0	0	0	0
1996/97	120	120	0	0	120	120	0	120	120	0	0	0	0
1997/98	188	188	0	0	188	188	0	188	188	0	0	0	0
1998/99	479	479	0	0	479	479	0	479	479	0	0	0	0
1999/00	559	559	0	0	559	559	0	559	559	0	0	0	0
2000/01	9,771	9,771	0	0	9,771	9,771	0	9,771	9,771	0	0	0	0
2001/02	2,498	2,498	0	0	2,498	2,498	0	2,498	2,498	0	0	0	0
2002/03	213	213	0	0	213	213	0	213	213	0	0	0	0
2003/04	385	385	0	0	385	385	0	385	385	0	0	0	0
2004/05	2,833	2,833	0	0	2,833	2,833	0	2,833	2,833	0	0	0	0
2005/06	171	171	0	0	171	171	0	171	171	0	0	0	0
2006/07	984	634	791	0	1,025	634	(391)	234	634	750	0	41	0
2007/08	128	128	0	0	128	128	0	128	128	0	0	0	0
2008/09	173	173	52	0	225	173	(52)	173	173	0	0	52	0
2009/10	6,473	6,973	7,147	7,147	7,250	7,250	0	103	103	6,370	6,870	777	277
2010/11	514	809	616	91	850	900	50	234	809	280	0	336	91
2011/12	363	762	775	843	900	1,000	100	125	157	239	605	537	238
2012/13	213	334	1,065	897	1,100	1,000	(100)	35	103	177	232	887	666
2013/14		740		1,572	1,448	1,650	202		78		663		910
Total	\$ 29,883	\$ 31,588	\$ 10,446	\$ 10,551	\$ 33,961	\$ 33,770	\$ (191)	\$ 22,067	\$ 23,219	\$ 7,816	\$ 8,369	\$ 2,630	\$ 2,181
Total (ex FY14)	\$ 29,883	\$ 30,848	\$ 10,446	\$ 8,978	\$ 32,513	\$ 32,120	\$ (393)	\$ 22,067	\$ 23,142	\$ 7,816	\$ 7,707	\$ 2,630	\$ 1,272



COOK COUNTY, ILLINOIS
OTHER LIABILITY

Summary Exhibit 23

Comparison of Projected Ultimate Losses (\$000s)
Loss & ALAE (Excludes Claims Handling Expenses)

Losses Limited to Actual Retention

Claim Period	Limited Reported Incurred Losses 11/30/13	Limited Reported Incurred Losses 11/30/14	Estimated Outstanding Losses 11/30/13	Estimated Outstanding Losses 11/30/14	Projected Ultimate Limited Losses 11/30/13	Projected Ultimate Limited Losses 11/30/14	Change in Ultimate	Limited Paid Losses 11/30/13	Limited Paid Losses 11/30/14	Limited Case Reserves 11/30/13	Limited Case Reserves 11/30/14	Estimated IBNR 11/30/13	Estimated IBNR 11/30/14
(1)	(2)	(3)	(6) - (9)	(7) - (10)	(6)	(7)	(8)	(9)	(10)	(2) - (9)	(3) - (10)	(4)-(11)	(5)-(12)
to 1994/95	\$ 36,857	\$ 37,847	\$11	\$1,100	\$ 36,859	\$ 37,947	\$1,089	\$ 36,847	\$36,847	\$10	\$1,000	\$1	\$100
1995/96	3,091	4,592	0	1,651	3,091	4,742	1,651	3,091	3,091	0	1,501	0	150
1996/97	1,557	1,557	0	0	1,557	1,557	0	1,557	1,557	0	0	0	0
1997/98	2,765	2,765	0	0	2,765	2,765	0	2,765	2,765	0	0	0	0
1998/99	4,606	4,606	0	0	4,606	4,606	0	4,606	4,606	0	0	0	0
1999/00	2,713	2,713	0	0	2,713	2,713	0	2,713	2,713	0	0	0	0
2000/01	7,264	7,263	1	0	7,264	7,263	(1)	7,263	7,263	1	0	0	0
2001/02	12,741	15,726	385	3,421	12,776	16,037	3,261	12,391	12,616	350	3,110	35	311
2002/03	6,184	6,184	116	0	6,195	6,184	(11)	6,079	6,184	105	0	11	0
2003/04	66,003	65,614	505	86	66,068	65,649	(419)	65,563	65,563	440	51	65	35
2004/05	19,843	20,433	15,317	17,325	20,000	22,008	2,008	4,683	4,683	15,160	15,750	157	1,575
2005/06	5,843	6,329	3,307	1,029	6,500	6,662	162	3,193	5,633	2,650	696	657	333
2006/07	8,815	11,745	2,041	4,210	9,500	13,269	3,769	7,459	9,059	1,356	2,686	685	1,524
2007/08	13,775	12,474	10,586	9,901	16,250	16,000	(250)	5,664	6,099	8,111	6,376	2,475	3,526
2008/09	4,391	5,435	3,674	2,650	6,500	6,339	(161)	2,826	3,689	1,565	1,746	2,109	904
2009/10	4,332	8,101	7,596	7,382	9,500	10,200	700	1,904	2,818	2,428	5,284	5,168	2,099
2010/11	4,757	5,093	9,167	6,788	10,500	8,500	(2,000)	1,333	1,712	3,424	3,381	5,743	3,407
2011/12	6,052	15,539	16,271	16,810	17,500	18,800	1,300	1,229	1,990	4,823	13,549	11,448	3,261
2012/13	1,364	3,956	15,470	13,254	15,500	13,500	(2,000)	31	246	1,333	3,709	14,136	9,544
2013/14		4,235		19,978	16,628	20,000	3,372		22	0	4,213		15,765
Total	\$212,952	\$242,209	\$ 84,448	\$ 105,585	\$272,272	\$284,743	\$ 12,470	\$171,197	\$179,157	\$ 41,756	\$ 63,052	\$ 42,692	\$ 42,534
Total (ex FY14)	\$212,952	\$237,974	\$ 84,448	\$ 85,608	\$255,644	\$264,743	\$ 9,098	\$171,197	\$179,135	\$ 41,756	\$ 58,839	\$ 42,692	\$ 26,769



COOK COUNTY, ILLINOIS
WORKERS' COMPENSATION - HEALTH CARE FACILITIES (INDEMNITY)

Exhibit WC-HC-Indem-1 (page 1)

Data Summary as of November 30, 2014
Losses Limited to Self-Insured Retention

Claim Period (1)	Specific Self-Insured Retention (2)	Aggregate Retention (3)	Months of Development 11/30/14 (4)	Payroll (000) (5)	Reported Claims 11/30/14 (6)	Open Claims 11/30/14 (7)	Limited Paid Losses 11/30/14 (8)	Limited Case Reserves 11/30/14 (9)	Limited Reported Incurred Losses 11/30/14 (10)
to 1994/95	See Note	None	240.0	Not Provided	3,817	17	\$34,454,754	\$1,021,192	\$35,475,946
1995/96	Unlimited	None	228.0	Not Provided	508	1	2,387,383	500	2,387,883
1996/97	Unlimited	None	216.0	Not Provided	458	3	3,476,011	90,262	3,566,273
1997/98	Unlimited	None	204.0	Not Provided	623	2	1,305,891	6,000	1,311,891
1998/99	Unlimited	None	192.0	Not Provided	747	2	2,362,711	268,211	2,630,922
1999/00	Unlimited	None	180.0	Not Provided	635	1	1,651,858	15,500	1,667,358
2000/01	9,500,000	None	168.0	425,788	625	3	1,401,622	36,625	1,438,247
2001/02	9,500,000	None	156.0	434,846	490	1	1,094,547	15,000	1,109,547
2002/03	9,500,000	None	144.0	441,142	514	4	2,731,373	32,046	2,763,420
2003/04	Unlimited	None	132.0	453,644	593	7	1,652,572	149,500	1,802,072
2004/05	Unlimited	None	120.0	458,776	518	4	1,957,240	862,052	2,819,292
2005/06	Unlimited	None	108.0	464,619	510	3	1,600,894	31,500	1,632,394
2006/07	Unlimited	None	96.0	448,051	318	9	1,877,403	176,500	2,053,903
2007/08	Unlimited	None	84.0	445,664	274	12	1,597,427	350,000	1,947,427
2008/09	Unlimited	None	72.0	501,624	280	22	1,359,849	429,326	1,789,175
2009/10	Unlimited	None	60.0	526,535	213	28	1,245,696	735,903	1,981,599
2010/11	Unlimited	None	48.0	489,053	201	30	1,115,489	614,036	1,729,526
2011/12	Unlimited	None	36.0	515,084	169	30	1,169,313	602,219	1,771,532
2012/13	Unlimited	None	24.0	482,783	140	41	929,632	790,383	1,720,015
2013/14	Unlimited	None	12.0	482,783	145	75	480,195	700,501	1,180,696
Total					11,778	295	\$65,851,859	\$6,927,256	\$72,779,115

* The specific self-insured retention changes are as follows:

Effective Date	Retention
12/01/77	Unlimited
12/01/00	9,500,000
12/01/03	Unlimited

(8), (9) and (10) are net of the specific self-insured retention and other recoveries.

Data was provided by the County.



COOK COUNTY, ILLINOIS
WORKERS' COMPENSATION - HEALTH CARE FACILITIES (INDEMNITY)

Exhibit WC-HC-Indem-1 (page 2)

Data Summary as of November 30, 2014
Unlimited Losses

Claim Period (1)	Specific Self-Insured Retention (2)	Aggregate Retention (3)	Months of Development 11/30/14 (4)	Payroll (000) (5)	Reported Claims 11/30/14 (6)	Open Claims 11/30/14 (7)	Unlimited Paid Losses 11/30/14 (8)	Unlimited Case Reserves 11/30/14 (9)	Unlimited Reported Incurred Losses 11/30/14 (10)
to 1994/95	Unlimited	None	240.0	Not Provided	3,817	17	\$34,454,754	\$1,021,192	\$35,475,946
1995/96	Unlimited	None	228.0	Not Provided	508	1	2,387,383	500	2,387,883
1996/97	Unlimited	None	216.0	Not Provided	458	3	3,476,011	90,262	3,566,273
1997/98	Unlimited	None	204.0	Not Provided	623	2	1,305,891	6,000	1,311,891
1998/99	Unlimited	None	192.0	Not Provided	747	2	2,362,711	268,211	2,630,922
1999/00	Unlimited	None	180.0	Not Provided	635	1	1,651,858	15,500	1,667,358
2000/01	Unlimited	None	168.0	425,788	625	3	1,401,622	36,625	1,438,247
2001/02	Unlimited	None	156.0	434,846	490	1	1,094,547	15,000	1,109,547
2002/03	Unlimited	None	144.0	441,142	514	4	2,731,373	32,046	2,763,420
2003/04	Unlimited	None	132.0	453,644	593	7	1,652,572	149,500	1,802,072
2004/05	Unlimited	None	120.0	458,776	518	4	1,957,240	862,052	2,819,292
2005/06	Unlimited	None	108.0	464,619	510	3	1,600,894	31,500	1,632,394
2006/07	Unlimited	None	96.0	448,051	318	9	1,877,403	176,500	2,053,903
2007/08	Unlimited	None	84.0	445,664	274	12	1,597,427	350,000	1,947,427
2008/09	Unlimited	None	72.0	501,624	280	22	1,359,849	429,326	1,789,175
2009/10	Unlimited	None	60.0	526,535	213	28	1,245,696	735,903	1,981,599
2010/11	Unlimited	None	48.0	489,053	201	30	1,115,489	614,036	1,729,526
2011/12	Unlimited	None	36.0	515,084	169	30	1,169,313	602,219	1,771,532
2012/13	Unlimited	None	24.0	482,783	140	41	929,632	790,383	1,720,015
2013/14	Unlimited	None	12.0	482,783	145	75	480,195	700,501	1,180,696
Total					11,778	295	\$65,851,859	\$6,927,256	\$72,779,115

(8), (9) and (10) are gross of the specific self-insured retention and other recoveries.

Data was provided by the County.



COOK COUNTY, ILLINOIS
 WORKERS' COMPENSATION - HEALTH CARE FACILITIES (INDEMNITY)

Summary of Percent Losses Paid, Losses Reported and Claims Reported

Months of Development (1)	Percent Losses Paid (2)	Percent Losses Reported (3)	Percent Claims Reported (4)	Months of Development (5)	Percent Losses Paid (6)	Percent Losses Reported (7)	Percent Claims Reported (8)
360.0	99.9%	100.0%	100.0%	354.0	99.9%	100.0%	100.0%
348.0	99.9%	100.0%	100.0%	342.0	99.9%	100.0%	100.0%
336.0	99.8%	100.0%	100.0%	330.0	99.8%	100.0%	100.0%
324.0	99.8%	100.0%	100.0%	318.0	99.7%	100.0%	100.0%
312.0	99.7%	100.0%	100.0%	306.0	99.6%	100.0%	100.0%
300.0	99.5%	100.0%	100.0%	294.0	99.4%	100.0%	100.0%
288.0	99.3%	100.0%	100.0%	282.0	99.2%	100.0%	100.0%
276.0	99.0%	100.0%	100.0%	270.0	98.8%	100.0%	100.0%
264.0	98.6%	100.0%	100.0%	258.0	98.3%	100.0%	100.0%
252.0	98.0%	100.0%	100.0%	246.0	97.5%	100.0%	100.0%
240.0	97.1%	100.0%	100.0%	234.0	97.0%	100.0%	100.0%
228.0	97.0%	100.0%	100.0%	222.0	96.9%	100.0%	100.0%
216.0	96.8%	100.0%	100.0%	210.0	96.7%	100.0%	100.0%
204.0	96.6%	100.0%	100.0%	198.0	96.5%	100.0%	100.0%
192.0	96.4%	99.9%	100.0%	186.0	96.3%	99.9%	100.0%
180.0	96.2%	99.8%	100.0%	174.0	96.1%	99.8%	100.0%
168.0	95.9%	99.7%	100.0%	162.0	95.7%	99.7%	100.0%
156.0	95.5%	99.6%	100.0%	150.0	95.3%	99.6%	100.0%
144.0	95.1%	99.5%	100.0%	138.0	94.6%	99.5%	100.0%
132.0	94.1%	99.4%	100.0%	126.0	93.4%	99.3%	100.0%
120.0	92.7%	99.2%	100.0%	114.0	91.8%	99.0%	100.0%
108.0	90.9%	98.7%	100.0%	102.0	89.7%	98.4%	100.0%
96.0	88.5%	98.0%	100.0%	90.0	87.2%	97.3%	100.0%
84.0	86.0%	96.6%	100.0%	78.0	83.4%	95.4%	100.0%
72.0	80.9%	94.2%	100.0%	66.0	77.9%	93.1%	100.0%
60.0	74.9%	91.9%	99.9%	54.0	70.6%	89.9%	99.8%
48.0	66.3%	88.0%	99.7%	42.0	60.8%	84.7%	99.6%
36.0	55.3%	81.4%	99.4%	30.0	48.3%	76.8%	99.2%
24.0	41.4%	72.1%	99.0%	18.0	31.3%	63.0%	97.8%
12.0	21.2%	54.0%	96.6%	6.0	10.6%	27.0%	48.3%

(2) is from Exhibit WC-HC-Indem-2 (page 2).

(3) is from Exhibit WC-HC-Indem-2 (page 3).

(4) is from Exhibit WC-HC-Indem-2 (page 4).

(6), (7) and (8) are interpolated, based on (2), (3) and (4), respectively.



COOK COUNTY, ILLINOIS
WORKERS' COMPENSATION - HEALTH CARE FACILITIES (INDEMNITY)

Historical Limited Paid Losses (\$000) and Limited Paid Loss Development

Claim Period	Months of Development:																					
	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204	216	228	240		
I. Historical Limited Paid Losses (\$000)																						
to 1994/95																						
1995/96																						
1996/97																						
1997/98																						
1998/99																						
1999/00																						
2000/01																						
2001/02																						
2002/03																						
2003/04																						
2004/05																						
2005/06																						
2006/07																						
2007/08																						
2008/09																						
2009/10																						
2010/11																						
2011/12																						
2012/13																						
2013/14																						

II. Limited Paid Loss Development

Claim Period	Months of Development:																					
	12-24	24-36	36-48	48-60	60-72	72-84	84-96	96-108	108-120	120-132	132-144	144-156	156-168	168-180	180-192	192-204	204-216	216-228	228-240	240-Ult		
I. Historical Limited Paid Losses (\$000)																						
to 1994/95																						
1995/96																						
1996/97																						
1997/98																						
1998/99																						
1999/00																						
2000/01																						
2001/02																						
2002/03																						
2003/04																						
2004/05																						
2005/06																						
2006/07																						
2007/08																						
2008/09																						
2009/10																						
2010/11																						
2011/12																						
2012/13																						
2013/14																						
Average All	2,017	1,382	1,181	1,127	1,105	1,103	1,011	1,036	1,018	1,018	1,021	1,011	1,007	1,013	1,008	1,006	1,006	1,003	1,007	1,001	1,030	
Wtd 3	1,957	1,290	1,191	1,093	1,072	1,067	1,013	1,042	1,033	1,008	1,003	1,003	1,010	1,022	1,012	1,007	1,005	1,005	1,007	1,001	1,030	
Last 3	1,869	1,289	1,201	1,089	1,062	1,067	1,012	1,045	1,030	1,010	1,002	1,003	1,008	1,017	1,010	1,005	1,006	1,033	1,031	1,031	1,030	
Last 5	1,945	1,310	1,161	1,118	1,100	1,064	1,012	1,037	1,015	1,010	1,022	1,003	1,004	1,005	1,008	1,008	1,006	1,035	1,031	1,031	1,030	
x-Follow																						
Similar	2,000	1,350	1,200	1,130	1,080	1,060	1,035	1,030	1,020	1,015	1,010	1,005	1,004	1,003	1,002	1,002	1,002	1,002	1,001	1,001	1,030	
Selected	1,950	1,335	1,200	1,130	1,080	1,062	1,030	1,027	1,020	1,015	1,010	1,005	1,004	1,003	1,002	1,002	1,002	1,002	1,001	1,001	1,030	
Cumulative	4,710	2,416	1,809	1,508	1,334	1,236	1,163	1,130	1,100	1,078	1,062	1,052	1,047	1,042	1,039	1,037	1,035	1,033	1,031	1,031	1,030	
Percent	21.2%	41.4%	55.3%	66.3%	74.9%	80.9%	86.0%	88.5%	90.9%	92.7%	94.1%	95.1%	95.5%	95.8%	96.2%	96.4%	96.6%	96.8%	97.0%	97.1%	97.1%	

Amounts are limited (net of excess insurance).

Data was provided by the County.



COOK COUNTY, ILLINOIS
WORKERS' COMPENSATION - HEALTH CARE FACILITIES (INDEMNITY)

Historical Limited Reported Incurred Losses (\$000) and Limited Reported Incurred Loss Development

Claim Period	Months of Development:																				
	12	24	36	48	60	72	84	96-108	108-120	120-132	132-144	144-156	156-168	168-180	180-192	192-204	204-216	216-228	228-240	240-Ult	
to 1994/05																					
1995/06																					
1996/07																					
1997/08																					
1998/09																					
1999/00																					
2000/01																					
2001/02																					
2002/03																					
2003/04																					
2004/05																					
2005/06																					
2006/07																					
2007/08																					
2008/09																					
2009/10																					
2010/11																					
2011/12																					
2012/13																					
2013/14																					

II. Limited Reported Incurred Loss Development

Claim Period	Months of Development:																				
	12-24	24-36	36-48	48-60	60-72	72-84	84-96	96-108	108-120	120-132	132-144	144-156	156-168	168-180	180-192	192-204	204-216	216-228	228-240	240-Ult	
to 1994/05																					
1995/06																					
1996/07																					
1997/08																					
1998/09																					
1999/00																					
2000/01																					
2001/02																					
2002/03																					
2003/04																					
2004/05																					
2005/06																					
2006/07																					
2007/08																					
2008/09																					
2009/10																					
2010/11																					
2011/12																					
2012/13																					
2013/14																					

Average All	Months of Development:																			
	12-24	24-36	36-48	48-60	60-72	72-84	84-96	96-108	108-120	120-132	132-144	144-156	156-168	168-180	180-192	192-204	204-216	216-228	228-240	240-Ult
1,482	1,213	1,087	1,120	1,065	1,084	1,084	0,988	0,989	1,024	0,989	0,953	0,999	0,935	0,997	1,007	1,004	1,005	1,003	1,014	1,000
1,687	1,422	1,314	1,270	1,163	1,168	1,168	1,023	1,033	1,160	1,032	1,004	1,007	1,008	1,015	1,015	1,004	1,002	1,000	1,000	1,000
1,828	1,408	1,303	1,283	1,185	1,162	1,162	1,023	1,039	1,166	1,038	1,003	1,007	1,010	1,012	1,011	1,005	1,005	1,000	1,000	1,000
1,263	1,268	1,145	1,089	1,032	1,104	1,104	1,023	1,003	1,014	1,034	1,002	1,003	1,001	1,005	1,000	1,000	1,000	1,000	1,000	100.0%
1,350	1,130	1,080	1,040	1,025	1,020	1,020	1,015	1,010	1,005	1,002	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
1,335	1,130	1,080	1,045	1,025	1,025	1,025	1,015	1,007	1,005	1,002	1,001	1,001	1,001	1,001	1,001	1,001	1,000	1,000	1,000	1,000
1,852	1,387	1,228	1,137	1,088	1,061	1,061	1,035	1,020	1,013	1,008	1,006	1,005	1,004	1,003	1,003	1,001	1,000	1,000	1,000	1,000
54.0%	72.1%	81.4%	88.0%	91.9%	94.2%	94.2%	96.6%	98.0%	98.7%	99.2%	99.4%	99.5%	99.6%	99.7%	99.8%	99.9%	100.0%	100.0%	100.0%	100.0%

Amounts are limited (net of excess insurance).
Data was provided by the County.



COOK COUNTY, ILLINOIS
WORKERS' COMPENSATION - HEALTH CARE FACILITIES (INDEMNITY)

Historical Reported Claims and Reported Claim Development

Claim Period	Months of Development:																					
	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204	216	228	240		
to 1994/95																						
1995/96																						
1996/97																						
1997/98																						
1998/99																						
1999/00																						
2000/01																						
2001/02																						
2002/03																						
2003/04																						
2004/05																						
2005/06																						
2006/07																						
2007/08																						
2008/09																						
2009/10																						
2010/11																						
2011/12																						
2012/13																						
2013/14																						

II. Reported Claim Development

Claim Period	Months of Development:												240-Ult									
	12-24	24-36	36-48	48-60	60-72	72-84	84-96	96-108	108-120	120-132	132-144	144-156		156-168	168-180	180-192	192-204	204-216	216-228	228-240		
to 1994/95																						
1995/96																						
1996/97																						
1997/98																						
1998/99																						
1999/00																						
2000/01																						
2001/02																						
2002/03																						
2003/04																						
2004/05																						
2005/06																						
2006/07																						
2007/08																						
2008/09																						
2009/10																						
2010/11																						
2011/12																						
2012/13																						
2013/14																						
Average All	1.033	1.021	1.007	1.005	1.005	1.003	1.002	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.001	1.000	1.000	1.000	
Wtd 3	1.027	1.016	1.013	1.009	1.012	1.006	1.003	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.001	1.000	1.000	1.000	
Last 3	1.027	1.018	1.015	1.011	1.012	1.009	1.004	0.999	1.001	1.001	1.001	1.001	1.000	1.000	1.000	1.001	1.000	1.000	1.000	1.000	1.000	
Last 5	1.027	1.019	1.003	1.001	1.001	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
x-Follow																						
Similar	1.025	1.004	1.003	1.002	1.001	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
Selected	1.025	1.004	1.003	1.002	1.001	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
Cumulative	1.035	1.010	1.006	1.003	1.001	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
Percent	96.6%	99.0%	99.4%	99.7%	99.8%	99.9%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	

Data was provided by the County.



COOK COUNTY, ILLINOIS
 WORKERS' COMPENSATION - HEALTH CARE FACILITIES (INDEMNITY)
 Historical Ratio of Limited Paid Losses and Limited Reported Incurred Losses

Claim Period	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204	216	228	240	
to 1/09/05																					
1995/96																					
1996/97																					
1997/98																					
1998/99																					
1999/00																					
2000/01																					
2001/02																					
2002/03																					
2003/04																					
2004/05																					
2005/06																					
2006/07																					
2007/08																					
2008/09																					
2009/10																					
2010/11																					
2011/12																					
2012/13																					
2013/14																					
Average																					
All	46.1%	64.2%	72.8%	79.4%	81.7%	86.3%	84.7%	84.5%	85.1%	85.1%	84.7%	90.0%	90.0%	95.8%	97.0%	96.7%	98.6%	96.4%	98.9%	97.1%	
Last 3	57.5%	77.9%	83.0%	85.5%	86.4%	91.8%	91.2%	95.4%	98.4%	89.2%	96.9%	99.6%	99.5%	94.6%	95.8%	95.7%	99.0%	98.4%	98.9%	97.1%	
Last 5	55.6%	76.1%	82.7%	92.8%	94.8%	97.3%	95.3%	94.9%	98.2%	99.1%	96.9%	99.6%	99.5%	98.4%	99.3%	97.9%	99.0%	98.4%	98.9%	97.1%	
x-high																					
Implicit	39.3%	57.4%	67.9%	75.4%	81.5%	85.9%	89.0%	90.3%	92.1%	93.5%	94.7%	95.5%	95.9%	96.2%	96.4%	96.5%	96.6%	96.8%	97.0%	97.1%	



COOK COUNTY, ILLINOIS
WORKERS' COMPENSATION - HEALTH CARE FACILITIES (INDEMNITY)

Exhibit WC-HC-Indem-3

Developed Limited Paid Losses

Claim Period (1)	Months of Development 11/30/14 (2)	Limited Paid Losses 11/30/14 (3)	Percent Losses Paid (4)	Developed Limited Paid Losses (3)/(4) (5)
to 1994/95	240.0	\$34,454,754	97.1%	\$35,488,396
1995/96	228.0	2,387,383	97.0%	2,461,464
1996/97	216.0	3,476,011	96.8%	3,591,039
1997/98	204.0	1,305,891	96.6%	1,351,804
1998/99	192.0	2,362,711	96.4%	2,450,671
1999/00	180.0	1,651,858	96.2%	1,716,781
2000/01	168.0	1,401,622	95.9%	1,461,080
2001/02	156.0	1,094,547	95.5%	1,145,542
2002/03	144.0	2,731,373	95.1%	2,872,923
2003/04	132.0	1,652,572	94.1%	1,755,596
2004/05	120.0	1,957,240	92.7%	2,110,446
2005/06	108.0	1,600,894	90.9%	1,760,731
2006/07	96.0	1,877,403	88.5%	2,120,599
2007/08	84.0	1,597,427	86.0%	1,858,485
2008/09	72.0	1,359,849	80.9%	1,680,170
2009/10	60.0	1,245,696	74.9%	1,662,258
2010/11	48.0	1,115,489	66.3%	1,682,017
2011/12	36.0	1,169,313	55.3%	2,115,811
2012/13	24.0	929,632	41.4%	2,245,631
2013/14	12.0	480,195	21.2%	2,261,934

(3) is from Exhibit WC-HC-Indem-1.

(4) is from Exhibit WC-HC-Indem-2.



COOK COUNTY, ILLINOIS
WORKERS' COMPENSATION - HEALTH CARE FACILITIES (INDEMNITY)

Exhibit WC-HC-Indem-4

Developed Limited Reported Incurred Losses

Claim Period (1)	Months of Development 11/30/14 (2)	Limited Reported Incurred Losses 11/30/14 (3)	Percent Losses Reported (4)	Developed Limited Reported Incurred Losses (3)/(4) (5)
to 1994/95	240.0	\$35,475,946	100.0%	\$35,475,946
1995/96	228.0	2,387,883	100.0%	2,387,883
1996/97	216.0	3,566,273	100.0%	3,566,273
1997/98	204.0	1,311,891	100.0%	1,311,891
1998/99	192.0	2,630,922	99.9%	2,633,553
1999/00	180.0	1,667,358	99.8%	1,670,695
2000/01	168.0	1,438,247	99.7%	1,442,566
2001/02	156.0	1,109,547	99.6%	1,113,991
2002/03	144.0	2,763,420	99.5%	2,777,264
2003/04	132.0	1,802,072	99.4%	1,812,911
2004/05	120.0	2,819,292	99.2%	2,841,922
2005/06	108.0	1,632,394	98.7%	1,653,725
2006/07	96.0	2,053,903	98.0%	2,095,307
2007/08	84.0	1,947,427	96.6%	2,016,485
2008/09	72.0	1,789,175	94.2%	1,898,936
2009/10	60.0	1,981,599	91.9%	2,155,744
2010/11	48.0	1,729,526	88.0%	1,966,187
2011/12	36.0	1,771,532	81.4%	2,175,056
2012/13	24.0	1,720,015	72.1%	2,386,339
2013/14	12.0	1,180,696	54.0%	2,186,851

(3) is from Exhibit WC-HC-Indem-1.

(4) is from Exhibit WC-HC-Indem-2.



COOK COUNTY, ILLINOIS
WORKERS' COMPENSATION - HEALTH CARE FACILITIES (INDEMNITY)

Exhibit WC-HC-Indem-5

Developed Limited Case Reserves

Claim Period (1)	Months of Development 11/30/14 (2)	Percent Losses Paid (3)	Percent Losses Reported (4)	Percent Losses Reserved 11/30/14 [(4)-(3)]/ [100.0%-(3)] (5)	Limited Paid Losses 11/30/14 (6)	Limited Case Reserves 11/30/14 (7)	Developed Limited Case Reserves (6)+(7)/(5) (8)
to 1994/95	240.0	97.1%	100.0%	100.0%	\$34,454,754	\$1,021,192	\$35,475,946
1995/96	228.0	97.0%	100.0%	100.0%	2,387,383	500	2,387,883
1996/97	216.0	96.8%	100.0%	100.0%	3,476,011	90,262	3,566,273
1997/98	204.0	96.6%	100.0%	100.0%	1,305,891	6,000	1,311,891
1998/99	192.0	96.4%	99.9%	97.2%	2,362,711	268,211	2,638,601
1999/00	180.0	96.2%	99.8%	94.7%	1,651,858	15,500	1,668,222
2000/01	168.0	95.9%	99.7%	92.6%	1,401,622	36,625	1,441,155
2001/02	156.0	95.5%	99.6%	91.0%	1,094,547	15,000	1,111,023
2002/03	144.0	95.1%	99.5%	89.9%	2,731,373	32,046	2,767,027
2003/04	132.0	94.1%	99.4%	89.8%	1,652,572	149,500	1,819,032
2004/05	120.0	92.7%	99.2%	89.0%	1,957,240	862,052	2,925,504
2005/06	108.0	90.9%	98.7%	85.8%	1,600,894	31,500	1,637,611
2006/07	96.0	88.5%	98.0%	82.8%	1,877,403	176,500	2,090,646
2007/08	84.0	86.0%	96.6%	75.6%	1,597,427	350,000	2,060,269
2008/09	72.0	80.9%	94.2%	69.7%	1,359,849	429,326	1,975,974
2009/10	60.0	74.9%	91.9%	67.8%	1,245,696	735,903	2,331,666
2010/11	48.0	66.3%	88.0%	64.3%	1,115,489	614,036	2,070,987
2011/12	36.0	55.3%	81.4%	58.5%	1,169,313	602,219	2,198,257
2012/13	24.0	41.4%	72.1%	52.4%	929,632	790,383	2,439,352
2013/14	12.0	21.2%	54.0%	41.6%	480,195	700,501	2,164,466

(3) and (4) are from Exhibit WC-HC-Indem-2.

(6) and (7) are from Exhibit WC-HC-Indem-1.



COOK COUNTY, ILLINOIS
WORKERS' COMPENSATION - HEALTH CARE FACILITIES (INDEMNITY)

Exhibit WC-HC-Indem-6

Preliminary Projected Ultimate Limited Losses to 2013/14

Claim Period (1)	Developed Limited Paid Losses (2)	Developed Limited Reported Incurred Losses (3)	Developed Limited Case Reserves (4)	Preliminary Projected Ultimate Limited Losses (5)
to 1994/95	\$35,488,396	\$35,475,946	\$35,475,946	\$35,578,065
1995/96	2,461,464	2,387,883	2,387,883	2,387,933
1996/97	3,591,039	3,566,273	3,566,273	3,575,299
1997/98	1,351,804	1,311,891	1,311,891	1,312,491
1998/99	2,450,671	2,633,553	2,638,601	2,657,743
1999/00	1,716,781	1,670,695	1,668,222	1,668,908
2000/01	1,461,080	1,442,566	1,441,155	1,441,909
2001/02	1,145,542	1,113,991	1,111,023	1,111,047
2002/03	2,872,923	2,777,264	2,767,027	2,767,027
2003/04	1,755,596	1,812,911	1,819,032	1,819,032
2004/05	2,110,446	2,841,922	2,925,504	2,925,504
2005/06	1,760,731	1,653,725	1,637,611	1,637,611
2006/07	2,120,599	2,095,307	2,090,646	2,091,112
2007/08	1,858,485	2,016,485	2,060,269	2,051,512
2008/09	1,680,170	1,898,936	1,975,974	1,952,863
2009/10	1,662,258	2,155,744	2,331,666	2,261,297
2010/11	1,682,017	1,966,187	2,070,987	1,990,170
2011/12	2,115,811	2,175,056	2,198,257	2,172,488
2012/13	2,245,631	2,386,339	2,439,352	2,379,403
2013/14	2,261,934	2,186,851	2,164,466	2,192,914

(2) is from Exhibit WC-HC-Indem-3.

(3) is from Exhibit WC-HC-Indem-4.

(4) is from Exhibit WC-HC-Indem-5.

(5) is based on (2) to (4) and actuarial judgment.



COOK COUNTY, ILLINOIS
WORKERS' COMPENSATION - HEALTH CARE FACILITIES (INDEMNITY)

Exhibit WC-HC-Indem-7

Bornhuetter - Ferguson Analysis

I. A-priori Loss Rate

Claim Period (1)	Preliminary Projected Ultimate Limited Losses (2)	Payroll (000) (3)	Limited Loss Rate per \$100 of Payroll (2)/(3)/10 (4)	Loss Rate Trend (2014/15 = 1.000) (5)	Trended Limited Loss Rate per \$100 of Payroll (4)X(5) (6)	Projected A-priori Loss Rate per \$100 of Payroll (7)/(5) (8)
2004/05	\$2,925,504	\$458,776	\$0.64	1.178	\$0.75	\$0.42
2005/06	1,637,611	464,619	0.35	1.161	0.41	0.42
2006/07	2,091,112	448,051	0.47	1.124	0.52	0.44
2007/08	2,051,512	445,664	0.46	1.099	0.51	0.45
2008/09	1,952,863	501,624	0.39	1.076	0.42	0.46
2009/10	2,261,297	526,535	0.43	1.053	0.45	0.47
2010/11	1,990,170	489,053	0.41	1.044	0.42	0.47
2011/12	2,172,488	515,084	0.42	1.048	0.44	0.47
2012/13	2,379,403	482,783	0.49	1.031	0.51	0.48
2013/14	2,192,914	482,783	0.45	1.015	0.46	0.48

(7) Projected 2014/15 a-priori loss rate per \$100 of Payroll \$0.49

II. Bornhuetter - Ferguson Analysis Based on Limited Paid Losses

Claim Period (1)	Limited Paid Losses 11/30/14 (2)	Percent Losses Paid (3)	Projected A-priori Loss Rate per \$100 of Payroll (4)	Payroll (000) (5)	B-F Unpaid Losses [100.0%-(3)] X(4)X(5)X10 (6)	B-F Ultimate Limited Paid Losses (2)+(6) (7)
2009/10	\$1,245,696	74.9%	\$0.47	\$526,535	\$613,725	\$1,859,421
2010/11	1,115,489	66.3%	0.47	489,053	772,792	1,888,281
2011/12	1,169,313	55.3%	0.47	515,084	1,076,993	2,246,306
2012/13	929,632	41.4%	0.48	482,783	1,343,920	2,273,552
2013/14	480,195	21.2%	0.48	482,783	1,834,882	2,315,077

III. Bornhuetter - Ferguson Analysis Based on Limited Reported Incurred Losses

Claim Period (1)	Limited Reported Incurred Losses 11/30/14 (2)	Percent Losses Reported (3)	Projected A-priori Loss Rate per \$100 of Payroll (4)	Payroll (000) (5)	B-F Unreported Losses [100.0%-(3)] X(4)X(5)X10 (6)	B-F Ultimate Limited Reported Losses (2)+(6) (7)
2009/10	\$1,981,599	91.9%	\$0.47	\$526,535	\$197,837	\$2,179,436
2010/11	1,729,526	88.0%	0.47	489,053	276,168	2,005,694
2011/12	1,771,532	81.4%	0.47	515,084	446,652	2,218,184
2012/13	1,720,015	72.1%	0.48	482,783	640,339	2,360,353
2013/14	1,180,696	54.0%	0.48	482,783	1,071,741	2,252,437

Section I, (2) is from Exhibit WC-HC-Indem-6.

Section I, (3), Section II, (5) and Section III, (5) are from Exhibit WC-HC-Indem-10.

Section I, (5) is from Exhibit WC-HC-Indem-15.

Section I, (7) is based on Section I, (6) and actuarial judgment.

Sections II and III, (2) are from Exhibit WC-HC-Indem-1.

Sections II and III, (3) are from Exhibit WC-HC-Indem-2.

Sections II and III, (4) are from Section I, (8).



COOK COUNTY, ILLINOIS
WORKERS' COMPENSATION - HEALTH CARE FACILITIES (INDEMNITY)

Exhibit WC-HC-Indem-8

Frequency Times Severity Analysis

I. Projected Ultimate Claims

Claim Period (1)	Months of Development 11/30/14 (2)	Reported Claims 11/30/14 (3)	Percent Claims Reported (4)	Projected Ultimate Claims (3)/(4) (5)	Payroll (000) (6)	Frequency (per \$1M of Payroll) (5)/(6)X1,000 (7)
2004/05	120.0	518	100.0%	518	\$458,776	1.13
2005/06	108.0	510	100.0%	510	464,619	1.10
2006/07	96.0	318	100.0%	318	448,051	0.71
2007/08	84.0	274	100.0%	274	445,664	0.61
2008/09	72.0	280	100.0%	280	501,624	0.56
2009/10	60.0	213	99.9%	213	526,535	0.40
2010/11	48.0	201	99.7%	202	489,053	0.41
2011/12	36.0	169	99.4%	170	515,084	0.33
2012/13	24.0	140	99.0%	141	482,783	0.29
2013/14	12.0	145	96.6%	150	482,783	0.31

II. Frequency Times Severity

Claim Period (1)	Preliminary Projected Ultimate Limited Losses (2)	Projected Ultimate Claims (3)	Average Severity (2)/(3) (4)	Severity Trend (2014/15 = 1.000) (5)	Trended Average Claim Severity (4)X(5) (6)	De-Trended Projected 2014/15 Average Claim Severity (7)/(5) (8)	Frequency Times Severity (3)X(8) (9)
2004/05	\$2,925,504	518	\$5,648	1.582	\$8,937	\$7,276	\$3,769,151
2005/06	1,637,611	510	3,211	1.515	4,866	7,599	3,875,518
2006/07	2,091,112	318	6,576	1.424	9,361	8,088	2,572,116
2007/08	2,051,512	274	7,487	1.351	10,118	8,521	2,334,795
2008/09	1,952,863	280	6,975	1.284	8,958	8,965	2,510,149
2009/10	2,261,297	213	10,616	1.221	12,959	9,434	2,009,338
2010/11	1,990,170	202	9,852	1.175	11,575	9,801	1,979,760
2011/12	2,172,488	170	12,779	1.145	14,631	10,057	1,709,714
2012/13	2,379,403	141	16,875	1.094	18,458	10,527	1,484,375
2013/14	2,192,914	150	14,619	1.045	15,284	11,014	1,652,116
(7) Projected 2014/15 average claim severity					\$11,515		

Section I, (3) is from Exhibit WC-HC-Indem-1.

Section I, (4) is from Exhibit WC-HC-Indem-2.

Section I, (6) is from Exhibit WC-HC-Indem-10.

Section II, (2) is from Exhibit WC-HC-Indem-6.

Section II, (3) is from Section I, (5).

Section II, (5) is from Exhibit WC-HC-Indem-15.

Section II, (7) is based on (6) and actuarial judgment.



COOK COUNTY, ILLINOIS
WORKERS' COMPENSATION - HEALTH CARE FACILITIES (INDEMNITY)

Exhibit WC-HC-Indem-9

Projected Ultimate Limited Losses to 2013/14

Claim Period (1)	Developed Limited Paid Losses (2)	Developed Limited Reported Incurred Losses (3)	Developed Limited Case Reserves (4)	B-F Ultimate Limited Paid Losses (5)	B-F Ultimate Limited Reported Losses (6)	Frequency Times Severity (7)	Prior Projected Ultimate Limited Losses (8)	Projected Ultimate Limited Losses (9)
to 1994/95	\$35,488,396	\$35,475,946	\$35,475,946				\$34,439,000	\$35,578,065
1995/96	2,461,464	2,387,883	2,387,883				2,256,895	2,388,000
1996/97	3,591,039	3,566,273	3,566,273				3,526,000	3,575,299
1997/98	1,351,804	1,311,891	1,311,891				1,288,564	1,312,491
1998/99	2,450,671	2,633,553	2,638,601				2,187,000	2,658,000
1999/00	1,716,781	1,670,695	1,668,222				1,495,978	1,669,000
2000/01	1,461,080	1,442,566	1,441,155				1,279,025	1,442,000
2001/02	1,145,542	1,113,991	1,111,023				940,571	1,111,047
2002/03	2,872,923	2,777,264	2,767,027				2,725,000	2,767,000
2003/04	1,755,596	1,812,911	1,819,032				1,703,000	1,819,000
2004/05	2,110,446	2,841,922	2,925,504				1,896,000	2,926,000
2005/06	1,760,731	1,653,725	1,637,611				1,247,553	1,638,000
2006/07	2,120,599	2,095,307	2,090,646				2,176,000	2,091,000
2007/08	1,858,485	2,016,485	2,060,269				1,554,940	2,052,000
2008/09	1,680,170	1,898,936	1,975,974				1,546,000	1,953,000
2009/10	1,662,258	2,155,744	2,331,666	1,859,421	2,179,436	2,009,338	1,462,000	2,261,000
2010/11	1,682,017	1,966,187	2,070,987	1,888,281	2,005,694	1,979,760	1,700,000	1,990,000
2011/12	2,115,811	2,175,056	2,198,257	2,246,306	2,218,184	1,709,714	1,800,000	2,175,000
2012/13	2,245,631	2,386,339	2,439,352	2,273,552	2,360,353	1,484,375	1,700,000	2,300,000
2013/14	2,261,934	2,186,851	2,164,466	2,315,077	2,252,437	1,652,116	1,756,000	2,200,000
Total	\$73,793,380 #	\$75,569,526 #	\$76,081,786 #	\$10,582,637 #	\$11,016,104 #	\$8,835,303 #	\$68,679,527 #	\$75,905,902
Total 5 Years	9,967,652 0	10,870,178 0	11,204,728 0	10,582,637 0	11,016,104 0	8,835,303 0	8,418,000 #	10,926,000

(2) is from Exhibit WC-HC-Indem-3.

(3) is from Exhibit WC-HC-Indem-4.

(4) is from Exhibit WC-HC-Indem-5.

(5) and (6) are from Exhibit WC-HC-Indem-7.

(7) is from Exhibit WC-HC-Indem-8.

(8) is from prior actuarial study and excludes Cermak.

(9) is based on (2) to (8) and actuarial judgment.



COOK COUNTY, ILLINOIS
WORKERS' COMPENSATION - HEALTH CARE FACILITIES (INDEMNITY)

Exhibit WC-HC-Indem-10

Projected Ultimate Limited Losses for 2014/15 and Subsequent

Claim Period (1)	Projected Ultimate Limited Losses (2)	Payroll (000) (3)	Limited Loss Rate per \$100 of Payroll (2)/(3)/10 (4)	Loss Rate Trend (2014/15 = 1.000) (5)	Trended Limited Loss Rate per \$100 of Payroll (4)X(5) (6)
2004/05	\$2,926,000	\$458,776	\$0.64	1.178	\$0.75
2005/06	1,638,000	464,619	0.35	1.161	0.41
2006/07	2,091,000	448,051	0.47	1.124	0.52
2007/08	2,052,000	445,664	0.46	1.099	0.51
2008/09	1,953,000	501,624	0.39	1.076	0.42
2009/10	2,261,000	526,535	0.43	1.053	0.45
2010/11	1,990,000	489,053	0.41	1.044	0.42
2011/12	2,175,000	515,084	0.42	1.048	0.44
2012/13	2,300,000	482,783	0.48	1.031	0.49
2013/14	2,200,000	482,783	0.46	1.015	0.46
Total	\$21,586,000	\$4,814,972	\$0.45		\$0.49

Claim Period (1)	Projected Limited Loss Rate per \$100 of Payroll (7)	Projected Payroll (000) (8)	Projected Ultimate Limited Losses (7)X(8)X10 (9)	Present Value Factor (10)	Present Value of Projected Limited Loss Rate per \$100 of Payroll (7)X(10) (11)	Present Value of Projected Ultimate Limited Losses (8)X(11)X10 (12)
2014/15	\$0.49	\$468,483	\$2,287,000	0.88	\$0.43	\$2,024,000
2015/16	0.50	468,483	2,322,000	0.88	0.44	2,054,000
2016/17	0.50	468,483	2,357,000	0.88	0.45	2,085,000

(2) is from Exhibit WC-HC-Indem-9.

(3) was provided by the County.

(5) is from Exhibit WC-HC-Indem-15.

(7) for 2014/15 is based on (6) and actuarial judgment.

(7) for 2015/16 and subsequent are based on 2014/15 plus the trend in Exhibit WC-HC-Indem-15.

(8) to 2014/15 was provided by the County. Other claim periods are based on a 0% trend.

(10) is based on a 3.4% interest rate and the payout pattern in Exhibit WC-HC-Indem-2.



COOK COUNTY, ILLINOIS
WORKERS' COMPENSATION - HEALTH CARE FACILITIES (INDEMNITY)

Exhibit WC-HC-Indem-11

Estimated Outstanding Losses as of November 30, 2014

Claim Period (1)	Limited Paid Losses 11/30/14 (2)	Limited Case Reserves 11/30/14 (3)	Limited Reported Incurred Losses 11/30/14 (4)	Projected Ultimate Limited Losses (5)	Estimated IBNR 11/30/14 (5)-(4) (6)	Estimated Outstanding Losses 11/30/14 (3)+(6) (7)	Present Value Factor (8)	Present Value of Estimated Outstanding Losses 11/30/14 (7)X(8) (9)
to 1994/95	\$34,454,754	\$1,021,192	\$35,475,946	\$35,578,065	\$102,119	\$1,123,311	0.92	\$1,034,447
1995/96	2,387,383	500	2,387,883	2,388,000	117	617	0.89	551
1996/97	3,476,011	90,262	3,566,273	3,575,299	9,026	99,288	0.87	86,548
1997/98	1,305,891	6,000	1,311,891	1,312,491	600	6,600	0.85	5,618
1998/99	2,362,711	268,211	2,630,922	2,658,000	27,078	295,289	0.83	245,689
1999/00	1,651,858	15,500	1,667,358	1,669,000	1,642	17,142	0.81	13,953
2000/01	1,401,622	36,625	1,438,247	1,442,000	3,753	40,378	0.80	32,358
2001/02	1,094,547	15,000	1,109,547	1,111,047	1,500	16,500	0.79	13,089
2002/03	2,731,373	32,046	2,763,420	2,767,000	3,580	35,626	0.79	28,087
2003/04	1,652,572	149,500	1,802,072	1,819,000	16,928	166,428	0.80	132,877
2004/05	1,957,240	862,052	2,819,292	2,926,000	106,708	968,760	0.81	787,700
2005/06	1,600,894	31,500	1,632,394	1,638,000	5,606	37,106	0.83	30,657
2006/07	1,877,403	176,500	2,053,903	2,091,000	37,097	213,597	0.84	178,939
2007/08	1,597,427	350,000	1,947,427	2,052,000	104,573	454,573	0.84	382,834
2008/09	1,359,849	429,326	1,789,175	1,953,000	163,825	593,151	0.86	509,604
2009/10	1,245,696	735,903	1,981,599	2,261,000	279,401	1,015,304	0.87	880,782
2010/11	1,115,489	614,036	1,729,526	1,990,000	260,474	874,510	0.88	766,109
2011/12	1,169,313	602,219	1,771,532	2,175,000	403,468	1,005,687	0.88	885,958
2012/13	929,632	790,383	1,720,015	2,300,000	579,985	1,370,368	0.88	1,210,212
2013/14	480,195	700,501	1,180,696	2,200,000	1,019,304	1,719,805	0.89	1,525,877
Total	\$65,851,859	\$6,927,256	\$72,779,115	\$75,905,902	\$3,126,784	\$10,054,040		\$8,751,889

(2), (3) and (4) are net of specific self insured retention and aggregate retention.

(5) is from Exhibit WC-HC-Indem-9.

(8) is based on a 3.4% interest rate and the payout pattern in Exhibit WC-HC-Indem-2.



COOK COUNTY, ILLINOIS
WORKERS' COMPENSATION - HEALTH CARE FACILITIES (INDEMNITY)

Exhibit WC-HC-Indem-12

Projected Losses Paid December 1, 2014 to November 30, 2015

Claim Period (1)	Months of Development 11/30/14 (2)	Percent Losses Paid (3)	Months of Development 11/30/15 (4)	Percent Losses Paid (5)	Percent Outstanding Losses Paid 12/1/14 to 11/30/15 [(5)-(3)]/ [100.0%-(3)] (6)	Estimated Outstanding Losses 11/30/14 (7)	Projected Losses Paid (6)X(7) (8)	Estimated Outstanding Losses 11/30/15 (7)-(8) (9)	Present Value Factor (10)	Present Value of Estimated Outstanding Losses 11/30/15 (9)X(10) (11)
to 1994/95	240.0	97.1%	252.0	98.0%	30.0%	\$1,123,311	\$336,993	\$786,318	0.92	\$726,028
1995/96	228.0	97.0%	240.0	97.1%	3.2%	617	20	597	0.92	550
1996/97	216.0	96.8%	228.0	97.0%	6.0%	99,288	6,001	93,287	0.89	83,369
1997/98	204.0	96.6%	216.0	96.8%	5.7%	6,600	375	6,225	0.87	5,426
1998/99	192.0	96.4%	204.0	96.6%	5.4%	295,289	15,864	279,425	0.85	237,849
1999/00	180.0	96.2%	192.0	96.4%	5.1%	17,142	872	16,270	0.83	13,537
2000/01	168.0	95.9%	180.0	96.2%	7.1%	40,378	2,856	37,522	0.81	30,542
2001/02	156.0	95.5%	168.0	95.9%	8.6%	16,500	1,417	15,083	0.80	12,087
2002/03	144.0	95.1%	156.0	95.5%	9.6%	35,626	3,437	32,189	0.79	25,534
2003/04	132.0	94.1%	144.0	95.1%	16.0%	166,428	26,696	139,732	0.79	110,162
2004/05	120.0	92.7%	132.0	94.1%	19.2%	968,760	185,641	783,119	0.80	625,247
2005/06	108.0	90.9%	120.0	92.7%	20.0%	37,106	7,433	29,673	0.81	24,127
2006/07	96.0	88.5%	108.0	90.9%	20.8%	213,597	44,521	169,076	0.83	139,691
2007/08	84.0	86.0%	96.0	88.5%	18.4%	454,573	83,446	371,127	0.84	310,909
2008/09	72.0	80.9%	84.0	86.0%	26.3%	593,151	156,121	437,030	0.84	368,059
2009/10	60.0	74.9%	72.0	80.9%	23.9%	1,015,304	242,895	772,409	0.86	663,613
2010/11	48.0	66.3%	60.0	74.9%	25.6%	874,510	223,848	650,662	0.87	564,453
2011/12	36.0	55.3%	48.0	66.3%	24.7%	1,005,687	248,487	757,200	0.88	663,340
2012/13	24.0	41.4%	36.0	55.3%	23.7%	1,370,368	324,293	1,046,075	0.88	921,538
2013/14	12.0	21.2%	24.0	41.4%	25.6%	1,719,805	440,328	1,279,477	0.88	1,129,944
2014/15	0.0	0.0%	12.0	21.2%	21.2%	2,287,000	485,517	1,801,483	0.89	1,598,344
Total						\$12,341,040	\$2,837,061	\$9,503,979		\$8,254,349

(3) and (5) are from Exhibit WC-HC-Indem-2.

(7) to 2013/14 is from Exhibit WC-HC-Indem-11. The amount for 2014/15 is from Exhibit WC-HC-Indem-10.

(10) is based on a 3.4% interest rate and the payout pattern in Exhibit WC-HC-Indem-2.



COOK COUNTY, ILLINOIS
WORKERS' COMPENSATION - HEALTH CARE FACILITIES (INDEMNITY)

Exhibit WC-HC-Indem-13

Projected Losses Paid December 1, 2015 to November 30, 2016

Claim Period (1)	Months of Development 11/30/15 (2)	Percent Losses Paid (3)	Months of Development 11/30/16 (4)	Percent Losses Paid (5)	Percent Outstanding Losses Paid 12/1/15 to 11/30/16 [(5)-(3)]/ [100.0%-(3)] (6)	Estimated Outstanding Losses 11/30/15 (7)	Projected Losses Paid (6)X(7) (8)	Estimated Outstanding Losses 11/30/16 (7)-(8) (9)	Present Value Factor (10)	Present Value of Estimated Outstanding Losses 11/30/16 (9)X(10) (11)
to 1994/95	252.0	98.0%	264.0	98.6%	30.0%	\$786,318	\$235,895	\$550,423	0.93	\$509,944
1995/96	240.0	97.1%	252.0	98.0%	30.0%	597	179	418	0.92	386
1996/97	228.0	97.0%	240.0	97.1%	3.2%	93,287	3,006	90,281	0.92	83,139
1997/98	216.0	96.8%	228.0	97.0%	6.0%	6,225	376	5,849	0.89	5,227
1998/99	204.0	96.6%	216.0	96.8%	5.7%	279,425	15,895	263,530	0.87	229,716
1999/00	192.0	96.4%	204.0	96.6%	5.4%	16,270	874	15,396	0.85	13,105
2000/01	180.0	96.2%	192.0	96.4%	5.1%	37,522	1,909	35,613	0.83	29,631
2001/02	168.0	95.9%	180.0	96.2%	7.1%	15,083	1,067	14,016	0.81	11,409
2002/03	156.0	95.5%	168.0	95.9%	8.6%	32,189	2,764	29,425	0.80	23,580
2003/04	144.0	95.1%	156.0	95.5%	9.6%	139,732	13,482	126,250	0.79	100,147
2004/05	132.0	94.1%	144.0	95.1%	16.0%	783,119	125,617	657,502	0.79	518,362
2005/06	120.0	92.7%	132.0	94.1%	19.2%	29,673	5,686	23,987	0.80	19,151
2006/07	108.0	90.9%	120.0	92.7%	20.0%	169,076	33,869	135,207	0.81	109,937
2007/08	96.0	88.5%	108.0	90.9%	20.8%	371,127	77,355	293,772	0.83	242,714
2008/09	84.0	86.0%	96.0	88.5%	18.4%	437,030	80,226	356,804	0.84	298,910
2009/10	72.0	80.9%	84.0	86.0%	26.3%	772,409	203,303	569,106	0.84	479,291
2010/11	60.0	74.9%	72.0	80.9%	23.9%	650,662	155,660	495,002	0.86	425,279
2011/12	48.0	66.3%	60.0	74.9%	25.6%	757,200	193,820	563,380	0.87	488,735
2012/13	36.0	55.3%	48.0	66.3%	24.7%	1,046,075	258,466	787,609	0.88	689,980
2013/14	24.0	41.4%	36.0	55.3%	23.7%	1,279,477	302,784	976,693	0.88	860,416
2014/15	12.0	21.2%	24.0	41.4%	25.6%	1,801,483	461,241	1,340,242	0.88	1,183,607
2015/16	0.0	0.0%	12.0	21.2%	21.2%	2,322,000	492,947	1,829,053	0.89	1,622,806
Total						\$11,825,979	\$2,666,421	\$9,159,558		\$7,945,472

(3) and (5) are from Exhibit WC-HC-Indem-2.

(7) to 2014/15 is from Exhibit WC-HC-Indem-12, (9). The amount for 2015/16 is from Exhibit WC-HC-Indem-10.

(10) is based on a 3.4% interest rate and the payout pattern in Exhibit WC-HC-Indem-2.



COOK COUNTY, ILLINOIS
WORKERS' COMPENSATION - HEALTH CARE FACILITIES (INDEMNITY)

Exhibit WC-HC-Indem-14

Projected Losses Paid December 1, 2016 to November 30, 2017

Claim Period (1)	Months of Development 11/30/16 (2)	Percent Losses Paid (3)	Months of Development 11/30/17 (4)	Percent Losses Paid (5)	Percent Outstanding Losses Paid 12/1/16 to 11/30/17 [(5)-(3)]/ [100.0%-(3)] (6)	Estimated Outstanding Losses 11/30/16 (7)	Projected Losses Paid (6)X(7) (8)	Estimated Outstanding Losses 11/30/17 (7)-(8) (9)	Present Value Factor (10)	Present Value of Estimated Outstanding Losses 11/30/17 (9)X(10) (11)
to 1994/95	264.0	98.6%	276.0	99.0%	30.0%	\$550,423	\$165,127	\$385,296	0.93	\$358,499
1995/96	252.0	98.0%	264.0	98.6%	30.0%	418	125	293	0.93	271
1996/97	240.0	97.1%	252.0	98.0%	30.0%	90,281	27,084	63,197	0.92	58,351
1997/98	228.0	97.0%	240.0	97.1%	3.2%	5,849	188	5,661	0.92	5,213
1998/99	216.0	96.8%	228.0	97.0%	6.0%	263,530	15,927	247,603	0.89	221,279
1999/00	204.0	96.6%	216.0	96.8%	5.7%	15,396	876	14,520	0.87	12,657
2000/01	192.0	96.4%	204.0	96.6%	5.4%	35,613	1,913	33,700	0.85	28,686
2001/02	180.0	96.2%	192.0	96.4%	5.1%	14,016	713	13,303	0.83	11,068
2002/03	168.0	95.9%	180.0	96.2%	7.1%	29,425	2,081	27,344	0.81	22,257
2003/04	156.0	95.5%	168.0	95.9%	8.6%	126,250	10,839	115,411	0.80	92,486
2004/05	144.0	95.1%	156.0	95.5%	9.6%	657,502	63,437	594,065	0.79	471,239
2005/06	132.0	94.1%	144.0	95.1%	16.0%	23,987	3,848	20,139	0.79	15,877
2006/07	120.0	92.7%	132.0	94.1%	19.2%	135,207	25,909	109,298	0.80	87,264
2007/08	108.0	90.9%	120.0	92.7%	20.0%	293,772	58,847	234,925	0.81	191,018
2008/09	96.0	88.5%	108.0	90.9%	20.8%	356,804	74,370	282,434	0.83	233,347
2009/10	84.0	86.0%	96.0	88.5%	18.4%	569,106	104,471	464,635	0.84	389,245
2010/11	72.0	80.9%	84.0	86.0%	26.3%	495,002	130,288	364,714	0.84	307,156
2011/12	60.0	74.9%	72.0	80.9%	23.9%	563,380	134,779	428,601	0.86	368,231
2012/13	48.0	66.3%	60.0	74.9%	25.6%	787,609	201,604	586,005	0.87	508,363
2013/14	36.0	55.3%	48.0	66.3%	24.7%	976,693	241,323	735,370	0.88	644,216
2014/15	24.0	41.4%	36.0	55.3%	23.7%	1,340,242	317,164	1,023,078	0.88	901,278
2015/16	12.0	21.2%	24.0	41.4%	25.6%	1,829,053	468,300	1,360,753	0.88	1,201,721
2016/17	0.0	0.0%	12.0	21.2%	21.2%	2,357,000	500,377	1,856,623	0.89	1,647,267
Total						\$11,516,558	\$2,549,590	\$8,966,968		\$7,776,989

(3) and (5) are from Exhibit WC-HC-Indem-2.

(7) to 2015/16 is from Exhibit WC-HC-Indem-13, (9). The amount for 2016/17 is from Exhibit WC-HC-Indem-10.

(10) is based on a 3.4% interest rate and the payout pattern in Exhibit WC-HC-Indem-2.



Loss Rate and Severity Trend

I. Benefit Level Changes

Effective Date (1)	Benefit Level Change (2)	Cumulative Benefit Level Change (3)
07/01/05	1.002	1.002
07/15/05	1.000	1.002
07/20/05	1.084	1.086
11/16/05	0.923	1.002
01/15/06	1.003	1.005
02/01/06	1.071	1.076
07/01/06	1.002	1.078
07/15/06	1.002	1.081
01/15/07	1.003	1.084
07/01/07	1.002	1.086
07/15/07	1.002	1.088
01/15/08	1.003	1.091
07/01/08	1.003	1.095
07/15/08	1.002	1.097
01/15/09	1.002	1.099
07/01/09	1.001	1.100
07/15/09	1.002	1.102
01/15/10	1.004	1.106
07/01/10	1.001	1.107
07/15/10	1.002	1.110
06/28/11	0.989	1.098
07/01/11	1.001	1.099
09/01/11	0.983	1.080
01/15/13	1.001	1.081
07/15/13	1.001	1.082

II. Loss Rate and Severity Trend

Claim Period (1)	Benefit Trend (2014/15 = 1.000) (2)	Residual Trend (2014/15 = 1.000) (3)	Retention Index (2014/15 = 1.000) (4)	Loss Rate Trend (2014/15 = 1.000) (2)X(3)X(4) (5)	Wage Trend (2014/15 = 1.000) (6)	Severity Trend (2014/15 = 1.000) (5)X(6) (7)
2004/05	1.015	1.161	1.000	1.178	1.344	1.582
2005/06	1.016	1.143	1.000	1.161	1.305	1.515
2006/07	0.998	1.126	1.000	1.124	1.267	1.424
2007/08	0.990	1.110	1.000	1.099	1.230	1.351
2008/09	0.984	1.093	1.000	1.076	1.194	1.284
2009/10	0.977	1.077	1.000	1.053	1.159	1.221
2010/11	0.984	1.061	1.000	1.044	1.126	1.175
2011/12	1.002	1.046	1.000	1.048	1.093	1.145
2012/13	1.001	1.030	1.000	1.031	1.061	1.094
2013/14	1.000	1.015	1.000	1.015	1.030	1.045
2014/15	1.000	1.000	1.000	1.000	1.000	1.000
2015/16	1.000	0.985	1.000	0.985	0.971	0.957

Section I, (2) and (3) reflect NCCI data.

Section II, (2) is based on Section I, (2).

Section II, (3) is based on 1.5% trend per actuarial judgment.

Section II, (4) is based on industry statistics and actuarial judgment.

Section II, (6) is based on 3% trend.



COOK COUNTY, ILLINOIS
WORKERS' COMPENSATION - HEALTH CARE FACILITIES (INDEMNITY)

Exhibit WC-HC-Indem-16

List of Large Claims
Reported Incurred Losses Greater Than \$1,000,000

Claim Number (1)	Date of Loss (2)	Claim Period (3)	Specific Self-Insured Retention (4)	Unlimited Paid Losses 11/30/14 (5)	Unlimited Case Reserves 11/30/14 (6)	Unlimited Reported Incurred Losses 11/30/14 (7)
20050890	5/8/2005	2004/05	Unlimited	\$425,261	\$811,705	\$1,236,966

Amounts are gross of excess insurance.

The claim(s) indicated by a "*" have been limited in development.

(1) through (7) were provided by the County.



COOK COUNTY, ILLINOIS
WORKERS' COMPENSATION - HEALTH CARE FACILITIES (INDEMNITY)

Exhibit WC-HC-Indem-17

Size of Loss Distribution

I. Reported Claim Count

Layer (1)	Prior (2)	2009/10 (3)	2010/11 (4)	2011/12 (5)	2012/13 (6)	2013/14 (7)	Total (2)...(7) (8)	Non-Zero Claim Cumulative Total (9)	Non-Zero Claim Cumulative % of Total (10)
0	4,711	101	87	38	16	13	4,966		
0.01 - 5,000	4,477	62	62	79	82	98	4,860	4,860	71.3%
5,000 - 10,000	586	14	18	11	10	5	644	5,504	80.8%
10,000 - 25,000	583	18	8	19	11	10	649	6,153	90.3%
25,000 - 50,000	281	10	15	13	12	13	344	6,497	95.4%
50,000 - 100,000	159	4	8	6	3	5	185	6,682	98.1%
100,000 - 250,000	88	3	3	3	6	1	104	6,786	99.6%
250,000 - 500,000	15	1	0	0	0	0	16	6,802	99.9%
500,000 - 750,000	6	0	0	0	0	0	6	6,808	99.9%
750,000 - 1,000,000	3	0	0	0	0	0	3	6,811	100.0%
Over 1,000,000	1	0	0	0	0	0	1	6,812	100.0%
Total	10,910	213	201	169	140	145	11,778	6,812	

II. Total Reported Incurred Losses

Layer (1)	Prior (2)	2009/10 (3)	2010/11 (4)	2011/12 (5)	2012/13 (6)	2013/14 (7)	Total (2)...(7) (8)	Non-Zero Claim Cumulative Total (9)	Non-Zero Claim Cumulative % of Total (10)
0	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
0.01 - 5,000	4,579,526	88,774	54,817	93,031	46,984	52,618	4,915,751	4,915,751	6.8%
5,000 - 10,000	4,209,317	102,278	124,810	73,076	66,385	31,784	4,607,651	9,523,402	13.1%
10,000 - 25,000	9,245,059	303,783	115,199	283,473	181,369	183,550	10,312,434	19,835,835	27.3%
25,000 - 50,000	9,752,125	332,665	482,082	472,128	431,049	511,420	11,981,468	31,817,304	43.7%
50,000 - 100,000	10,993,832	274,709	550,172	404,809	204,072	292,093	12,719,688	44,536,992	61.2%
100,000 - 250,000	13,381,272	419,382	402,445	445,014	790,156	109,230	15,547,499	60,084,490	82.6%
250,000 - 500,000	5,089,454	460,008	0	0	0	0	5,549,462	65,633,953	90.2%
500,000 - 750,000	3,476,149	0	0	0	0	0	3,476,149	69,110,101	95.0%
750,000 - 1,000,000	2,432,048	0	0	0	0	0	2,432,048	71,542,149	98.3%
Over 1,000,000	1,236,966	0	0	0	0	0	1,236,966	72,779,115	100.0%
Total	\$64,395,748	\$1,981,599	\$1,729,526	\$1,771,532	\$1,720,015	\$1,180,696	\$72,779,115	\$72,779,115	

Amounts are gross of excess insurance.

Data was provided by the County.



COOK COUNTY, ILLINOIS
WORKERS' COMPENSATION - HEALTH CARE FACILITIES (MEDICAL)

Exhibit WC-HC-Med-1 (page 1)

Data Summary as of November 30, 2014
Losses Limited to Self-Insured Retention

Claim Period (1)	Specific Self-Insured Retention (2)	Aggregate Retention (3)	Months of Development 11/30/14 (4)	Payroll (000) (5)	Reported Claims 11/30/14 (6)	Open Claims 11/30/14 (7)	Limited Paid Losses 11/30/14 (8)	Limited Case Reserves 11/30/14 (9)	Limited Reported Incurred Losses 11/30/14 (10)
to 1994/95	See Note	None	240.0	Not Provided	3,817	17	\$11,452,382	\$404,481	\$11,856,863
1995/96	Unlimited	None	228.0	Not Provided	508	1	658,323	0	658,323
1996/97	Unlimited	None	216.0	Not Provided	458	3	784,485	14,429	798,914
1997/98	Unlimited	None	204.0	Not Provided	623	2	427,573	0	427,573
1998/99	Unlimited	None	192.0	Not Provided	747	2	720,172	40,382	760,554
1999/00	Unlimited	None	180.0	Not Provided	635	1	948,616	5,000	953,616
2000/01	9,500,000	None	168.0	425,788	625	3	835,144	0	835,144
2001/02	9,500,000	None	156.0	434,846	490	1	701,979	0	701,979
2002/03	9,500,000	None	144.0	441,142	514	4	1,055,870	4,816	1,060,686
2003/04	Unlimited	None	132.0	453,644	593	7	1,104,306	0	1,104,306
2004/05	Unlimited	None	120.0	458,776	518	4	1,427,523	15,294	1,442,817
2005/06	Unlimited	None	108.0	464,619	510	3	877,479	0	877,479
2006/07	Unlimited	None	96.0	448,051	318	9	1,033,335	0	1,033,335
2007/08	Unlimited	None	84.0	445,664	274	12	828,204	0	828,204
2008/09	Unlimited	None	72.0	501,624	280	22	765,816	28,501	794,317
2009/10	Unlimited	None	60.0	526,535	213	28	697,091	43,409	740,500
2010/11	Unlimited	None	48.0	489,053	201	30	722,734	54,815	777,549
2011/12	Unlimited	None	36.0	515,084	169	30	771,933	97,172	869,105
2012/13	Unlimited	None	24.0	482,783	140	41	556,972	212,373	769,346
2013/14	Unlimited	None	12.0	482,783	145	75	222,508	385,165	607,674
Total					11,778	295	\$26,592,445	\$1,305,838	\$27,898,284

* The specific self-insured retention changes are as follows:

Effective Date	Retention
12/01/77	Unlimited
12/01/00	9,500,000
12/01/03	Unlimited

(8), (9) and (10) are net of the specific self-insured retention and other recoveries.

Data was provided by the County.



COOK COUNTY, ILLINOIS
WORKERS' COMPENSATION - HEALTH CARE FACILITIES (MEDICAL)

Exhibit WC-HC-Med-1 (page 2)

Data Summary as of November 30, 2014
Unlimited Losses

Claim Period (1)	Specific Self-Insured Retention (2)	Aggregate Retention (3)	Months of Development 11/30/14 (4)	Payroll (000) (5)	Reported Claims 11/30/14 (6)	Open Claims 11/30/14 (7)	Unlimited Paid Losses 11/30/14 (8)	Unlimited Case Reserves 11/30/14 (9)	Unlimited Reported Incurred Losses 11/30/14 (10)
to 1994/95	Unlimited	None	240.0	Not Provided	3,817	17	\$11,452,382	\$404,481	\$11,856,863
1995/96	Unlimited	None	228.0	Not Provided	508	1	658,323	0	658,323
1996/97	Unlimited	None	216.0	Not Provided	458	3	784,485	14,429	798,914
1997/98	Unlimited	None	204.0	Not Provided	623	2	427,573	0	427,573
1998/99	Unlimited	None	192.0	Not Provided	747	2	720,172	40,382	760,554
1999/00	Unlimited	None	180.0	Not Provided	635	1	948,616	5,000	953,616
2000/01	Unlimited	None	168.0	425,788	625	3	835,144	0	835,144
2001/02	Unlimited	None	156.0	434,846	490	1	701,979	0	701,979
2002/03	Unlimited	None	144.0	441,142	514	4	1,055,870	4,816	1,060,686
2003/04	Unlimited	None	132.0	453,644	593	7	1,104,306	0	1,104,306
2004/05	Unlimited	None	120.0	458,776	518	4	1,427,523	15,294	1,442,817
2005/06	Unlimited	None	108.0	464,619	510	3	877,479	0	877,479
2006/07	Unlimited	None	96.0	448,051	318	9	1,033,335	0	1,033,335
2007/08	Unlimited	None	84.0	445,664	274	12	828,204	0	828,204
2008/09	Unlimited	None	72.0	501,624	280	22	765,816	28,501	794,317
2009/10	Unlimited	None	60.0	526,535	213	28	697,091	43,409	740,500
2010/11	Unlimited	None	48.0	489,053	201	30	722,734	54,815	777,549
2011/12	Unlimited	None	36.0	515,084	169	30	771,933	97,172	869,105
2012/13	Unlimited	None	24.0	482,783	140	41	556,972	212,373	769,346
2013/14	Unlimited	None	12.0	482,783	145	75	222,508	385,165	607,674
Total					11,778	295	\$26,592,445	\$1,305,838	\$27,898,284

(8), (9) and (10) are gross of the specific self-insured retention and other recoveries.

Data was provided by the County.



COOK COUNTY, ILLINOIS
WORKERS' COMPENSATION - HEALTH CARE FACILITIES (MEDICAL)

Summary of Percent Losses Paid, Losses Reported and Claims Reported

Months of Development (1)	Percent Losses Paid (2)	Percent Losses Reported (3)	Percent Claims Reported (4)	Months of Development (5)	Percent Losses Paid (6)	Percent Losses Reported (7)	Percent Claims Reported (8)
360.0	99.9%	100.0%	100.0%	354.0	99.9%	100.0%	100.0%
348.0	99.9%	100.0%	100.0%	342.0	99.8%	100.0%	100.0%
336.0	99.8%	100.0%	100.0%	330.0	99.8%	100.0%	100.0%
324.0	99.7%	100.0%	100.0%	318.0	99.7%	100.0%	100.0%
312.0	99.6%	100.0%	100.0%	306.0	99.5%	100.0%	100.0%
300.0	99.4%	100.0%	100.0%	294.0	99.3%	100.0%	100.0%
288.0	99.2%	100.0%	100.0%	282.0	99.0%	100.0%	100.0%
276.0	98.8%	100.0%	100.0%	270.0	98.6%	100.0%	100.0%
264.0	98.3%	100.0%	100.0%	258.0	98.0%	100.0%	100.0%
252.0	97.6%	100.0%	100.0%	246.0	97.1%	100.0%	100.0%
240.0	96.6%	100.0%	100.0%	234.0	96.6%	100.0%	100.0%
228.0	96.6%	100.0%	100.0%	222.0	96.6%	100.0%	100.0%
216.0	96.5%	100.0%	100.0%	210.0	96.5%	100.0%	100.0%
204.0	96.4%	100.0%	100.0%	198.0	96.3%	100.0%	100.0%
192.0	96.2%	100.0%	100.0%	186.0	96.1%	100.0%	100.0%
180.0	95.9%	100.0%	100.0%	174.0	95.8%	100.0%	100.0%
168.0	95.6%	100.0%	100.0%	162.0	95.3%	100.0%	100.0%
156.0	95.1%	100.0%	100.0%	150.0	94.8%	100.0%	100.0%
144.0	94.5%	100.0%	100.0%	138.0	94.2%	100.0%	100.0%
132.0	93.9%	99.9%	100.0%	126.0	93.5%	99.9%	100.0%
120.0	93.2%	99.8%	100.0%	114.0	92.8%	99.8%	100.0%
108.0	92.4%	99.7%	100.0%	102.0	91.9%	99.7%	100.0%
96.0	91.5%	99.6%	100.0%	90.0	90.9%	99.5%	100.0%
84.0	90.4%	99.3%	100.0%	78.0	89.8%	99.2%	100.0%
72.0	89.3%	99.0%	99.9%	66.0	88.3%	98.8%	99.8%
60.0	87.3%	98.6%	99.7%	54.0	85.4%	97.9%	99.6%
48.0	83.5%	97.2%	99.4%	42.0	80.1%	96.2%	99.3%
36.0	76.6%	95.2%	99.1%	30.0	69.6%	89.0%	98.9%
24.0	62.6%	82.8%	98.6%	18.0	43.1%	71.0%	97.4%
12.0	23.6%	59.2%	96.2%	6.0	11.8%	29.6%	48.1%

(2) is from Exhibit WC-HC-Med-2 (page 2).

(3) is from Exhibit WC-HC-Med-2 (page 3).

(4) is from Exhibit WC-HC-Med-2 (page 4).

(6), (7) and (8) are interpolated, based on (2), (3) and (4), respectively.



COOK COUNTY, ILLINOIS
WORKERS' COMPENSATION - HEALTH CARE FACILITIES (MEDICAL)

Historical Reported Claims and Reported Claim Development

Claim Period	Months of Development:																				
	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204	216	228	240	
to 1994/95																					
1995/96																					
1996/97																					
1997/98																					
1998/99																					
1999/00																					
2000/01																					
2001/02																					
2002/03																					
2003/04																					
2004/05																					
2005/06																					
2006/07																					
2007/08																					
2008/09																					
2009/10																					
2010/11																					
2011/12																					
2012/13																					
2013/14																					

II. Reported Claim Development

Claim Period	Months of Development:																				
	12-24	24-36	36-48	48-60	60-72	72-84	84-96	96-108	108-120	120-132	132-144	144-156	156-168	168-180	180-192	192-204	204-216	216-228	228-240	240-Ult	
to 1994/95																					
1995/96																					
1996/97																					
1997/98																					
1998/99																					
1999/00																					
2000/01																					
2001/02																					
2002/03																					
2003/04																					
2004/05																					
2005/06																					
2006/07																					
2007/08																					
2008/09																					
2009/10																					
2010/11																					
2011/12																					
2012/13																					
2013/14																					
Average All	1.033	1.021	1.007	1.005	1.005	1.003	1.002	1.001	1.001	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.001	1.000	1.000	
Wtd 3	1.027	1.016	1.013	1.009	1.012	1.006	1.003	0.999	1.001	1.001	1.001	1.001	1.000	1.000	1.000	1.001	1.000	1.001	1.000	1.000	
Last 3	1.027	1.018	1.015	1.011	1.012	1.009	1.004	0.999	1.001	1.001	1.001	1.001	1.000	1.000	1.000	1.001	1.000	1.000	1.000	1.000	
Last 5 x-til low	1.027	1.019	1.003	1.001	1.001	1.000	1.000	1.000	1.000	1.001	1.001	1.000	1.000	1.000	1.000	1.001	1.000	1.000	1.000	1.000	
Similar	1.025	1.004	1.003	1.002	1.001	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
Selected	1.025	1.005	1.003	1.003	1.002	1.001	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
Cumulative	1.039	1.014	1.009	1.006	1.003	1.001	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
Percent	96.2%	98.6%	99.1%	99.4%	99.7%	99.9%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	

Data was provided by the County.



COOK COUNTY, ILLINOIS
WORKERS' COMPENSATION - HEALTH CARE FACILITIES (MEDICAL)

Historical Ratio of Limited Paid Losses and Limited Reported Incurred Losses

Claim Period	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204	216	228	240		
to 1/09/05																						
1995/96																						
1996/97																						
1997/98																						
1998/99																						
1999/00																						
2000/01																						
2001/02					56.8%	51.2%	55.4%	53.3%	57.0%	82.0%	43.0%	93.1%	93.1%	92.8%	96.6%	96.8%	96.8%	96.5%	96.3%	96.6%		
2002/03					57.8%	58.2%	51.9%	55.4%	57.0%	57.0%	57.7%	92.4%	43.0%	93.1%	99.1%	99.1%	99.1%	96.5%	96.3%	96.3%		
2003/04					57.8%	57.3%	60.3%	52.2%	54.0%	54.0%	54.2%	94.5%	43.1%	93.1%	99.1%	99.1%	99.1%	96.5%	96.3%	96.3%		
2004/05					57.8%	57.3%	60.3%	52.2%	54.0%	54.0%	54.2%	94.5%	43.1%	93.1%	99.1%	99.1%	99.1%	96.5%	96.3%	96.3%		
2005/06					57.8%	57.3%	60.3%	52.2%	54.0%	54.0%	54.2%	94.5%	43.1%	93.1%	99.1%	99.1%	99.1%	96.5%	96.3%	96.3%		
2006/07					57.8%	57.3%	60.3%	52.2%	54.0%	54.0%	54.2%	94.5%	43.1%	93.1%	99.1%	99.1%	99.1%	96.5%	96.3%	96.3%		
2007/08					57.8%	57.3%	60.3%	52.2%	54.0%	54.0%	54.2%	94.5%	43.1%	93.1%	99.1%	99.1%	99.1%	96.5%	96.3%	96.3%		
2008/09					57.8%	57.3%	60.3%	52.2%	54.0%	54.0%	54.2%	94.5%	43.1%	93.1%	99.1%	99.1%	99.1%	96.5%	96.3%	96.3%		
2009/10					57.8%	57.3%	60.3%	52.2%	54.0%	54.0%	54.2%	94.5%	43.1%	93.1%	99.1%	99.1%	99.1%	96.5%	96.3%	96.3%		
2010/11					57.8%	57.3%	60.3%	52.2%	54.0%	54.0%	54.2%	94.5%	43.1%	93.1%	99.1%	99.1%	99.1%	96.5%	96.3%	96.3%		
2011/12					57.8%	57.3%	60.3%	52.2%	54.0%	54.0%	54.2%	94.5%	43.1%	93.1%	99.1%	99.1%	99.1%	96.5%	96.3%	96.3%		
2012/13					57.8%	57.3%	60.3%	52.2%	54.0%	54.0%	54.2%	94.5%	43.1%	93.1%	99.1%	99.1%	99.1%	96.5%	96.3%	96.3%		
2013/14					57.8%	57.3%	60.3%	52.2%	54.0%	54.0%	54.2%	94.5%	43.1%	93.1%	99.1%	99.1%	99.1%	96.5%	96.3%	96.3%		
Average																						
All	35.3%	66.1%	73.8%	81.9%	83.1%	84.5%	84.6%	83.9%	84.4%	86.8%	86.6%	91.4%	91.1%	97.8%	98.0%	97.8%	98.5%	96.2%	98.2%	96.6%		
Last 3	34.9%	79.5%	90.1%	96.0%	97.3%	98.8%	100.0%	99.1%	99.2%	99.5%	99.8%	99.8%	100.0%	98.2%	98.1%	97.6%	99.1%	98.2%	98.2%	98.2%		
Last 5	36.6%	78.8%	89.6%	96.0%	96.4%	99.1%	99.8%	99.2%	99.6%	99.5%	99.8%	99.8%	100.0%	99.4%	98.9%	98.0%	99.1%	98.2%	98.2%	98.2%		
x-high																						
Implicit	39.9%	75.5%	80.5%	86.0%	88.5%	90.2%	91.0%	91.8%	92.7%	93.4%	94.0%	94.5%	95.1%	95.6%	95.9%	96.2%	96.4%	96.5%	96.6%	96.6%		



COOK COUNTY, ILLINOIS
WORKERS' COMPENSATION - HEALTH CARE FACILITIES (MEDICAL)

Exhibit WC-HC-Med-3

Developed Limited Paid Losses

Claim Period (1)	Months of Development 11/30/14 (2)	Limited Paid Losses 11/30/14 (3)	Percent Losses Paid (4)	Developed Limited Paid Losses (3)/(4) (5)
to 1994/95	240.0	\$11,452,382	96.6%	\$11,853,215
1995/96	228.0	658,323	96.6%	681,364
1996/97	216.0	784,485	96.5%	812,754
1997/98	204.0	427,573	96.4%	443,424
1998/99	192.0	720,172	96.2%	748,363
1999/00	180.0	948,616	95.9%	988,707
2000/01	168.0	835,144	95.6%	873,921
2001/02	156.0	701,979	95.1%	738,245
2002/03	144.0	1,055,870	94.5%	1,117,083
2003/04	132.0	1,104,306	93.9%	1,176,505
2004/05	120.0	1,427,523	93.2%	1,531,500
2005/06	108.0	877,479	92.4%	949,865
2006/07	96.0	1,033,335	91.5%	1,129,763
2007/08	84.0	828,204	90.4%	916,356
2008/09	72.0	765,816	89.3%	857,495
2009/10	60.0	697,091	87.3%	798,496
2010/11	48.0	722,734	83.5%	865,123
2011/12	36.0	771,933	76.6%	1,007,176
2012/13	24.0	556,972	62.6%	890,216
2013/14	12.0	222,508	23.6%	942,440

(3) is from Exhibit WC-HC-Med-1.

(4) is from Exhibit WC-HC-Med-2.



COOK COUNTY, ILLINOIS
WORKERS' COMPENSATION - HEALTH CARE FACILITIES (MEDICAL)

Exhibit WC-HC-Med-4

Developed Limited Reported Incurred Losses

Claim Period (1)	Months of Development 11/30/14 (2)	Limited Reported Incurred Losses 11/30/14 (3)	Percent Losses Reported (4)	Developed Limited Reported Incurred Losses (3)/(4) (5)
to 1994/95	240.0	\$11,856,863	100.0%	\$11,856,863
1995/96	228.0	658,323	100.0%	658,323
1996/97	216.0	798,914	100.0%	798,914
1997/98	204.0	427,573	100.0%	427,573
1998/99	192.0	760,554	100.0%	760,554
1999/00	180.0	953,616	100.0%	953,616
2000/01	168.0	835,144	100.0%	835,144
2001/02	156.0	701,979	100.0%	701,979
2002/03	144.0	1,060,686	100.0%	1,060,686
2003/04	132.0	1,104,306	99.9%	1,105,410
2004/05	120.0	1,442,817	99.8%	1,445,704
2005/06	108.0	877,479	99.7%	880,114
2006/07	96.0	1,033,335	99.6%	1,037,474
2007/08	84.0	828,204	99.3%	834,016
2008/09	72.0	794,317	99.0%	802,291
2009/10	60.0	740,500	98.6%	750,926
2010/11	48.0	777,549	97.2%	800,324
2011/12	36.0	869,105	95.2%	912,452
2012/13	24.0	769,346	82.8%	928,875
2013/14	12.0	607,674	59.2%	1,027,151

(3) is from Exhibit WC-HC-Med-1.

(4) is from Exhibit WC-HC-Med-2.



COOK COUNTY, ILLINOIS
WORKERS' COMPENSATION - HEALTH CARE FACILITIES (MEDICAL)

Exhibit WC-HC-Med-5

Developed Limited Case Reserves

Claim Period (1)	Months of Development 11/30/14 (2)	Percent Losses Paid (3)	Percent Losses Reported (4)	Percent Losses Reserved 11/30/14 [(4)-(3)]/ [100.0%-(3)] (5)	Limited Paid Losses 11/30/14 (6)	Limited Case Reserves 11/30/14 (7)	Developed Limited Case Reserves (6)+(7)/(5) (8)
to 1994/95	240.0	96.6%	100.0%	100.0%	\$11,452,382	\$404,481	\$11,856,863
1995/96	228.0	96.6%	100.0%	100.0%	658,323	0	658,323
1996/97	216.0	96.5%	100.0%	100.0%	784,485	14,429	798,914
1997/98	204.0	96.4%	100.0%	100.0%	427,573	0	427,573
1998/99	192.0	96.2%	100.0%	100.0%	720,172	40,382	760,554
1999/00	180.0	95.9%	100.0%	100.0%	948,616	5,000	953,616
2000/01	168.0	95.6%	100.0%	100.0%	835,144	0	835,144
2001/02	156.0	95.1%	100.0%	100.0%	701,979	0	701,979
2002/03	144.0	94.5%	100.0%	100.0%	1,055,870	4,816	1,060,686
2003/04	132.0	93.9%	99.9%	98.4%	1,104,306	0	1,104,306
2004/05	120.0	93.2%	99.8%	97.1%	1,427,523	15,294	1,443,281
2005/06	108.0	92.4%	99.7%	96.1%	877,479	0	877,479
2006/07	96.0	91.5%	99.6%	95.3%	1,033,335	0	1,033,335
2007/08	84.0	90.4%	99.3%	92.8%	828,204	0	828,204
2008/09	72.0	89.3%	99.0%	90.7%	765,816	28,501	797,238
2009/10	60.0	87.3%	98.6%	89.1%	697,091	43,409	745,828
2010/11	48.0	83.5%	97.2%	82.7%	722,734	54,815	789,007
2011/12	36.0	76.6%	95.2%	79.7%	771,933	97,172	893,916
2012/13	24.0	62.6%	82.8%	54.1%	556,972	212,373	949,379
2013/14	12.0	23.6%	59.2%	46.5%	222,508	385,165	1,050,126

(3) and (4) are from Exhibit WC-HC-Med-2.

(6) and (7) are from Exhibit WC-HC-Med-1.



COOK COUNTY, ILLINOIS
WORKERS' COMPENSATION - HEALTH CARE FACILITIES (MEDICAL)

Exhibit WC-HC-Med-6

Preliminary Projected Ultimate Limited Losses to 2013/14

Claim Period (1)	Developed Limited Paid Losses (2)	Developed Limited Reported Incurred Losses (3)	Developed Limited Case Reserves (4)	Preliminary Projected Ultimate Limited Losses (5)
to 1994/95	\$11,853,215	\$11,856,863	\$11,856,863	\$11,897,311
1995/96	681,364	658,323	658,323	658,323
1996/97	812,754	798,914	798,914	800,357
1997/98	443,424	427,573	427,573	427,573
1998/99	748,363	760,554	760,554	764,593
1999/00	988,707	953,616	953,616	954,116
2000/01	873,921	835,144	835,144	835,144
2001/02	738,245	701,979	701,979	701,979
2002/03	1,117,083	1,060,686	1,060,686	1,061,168
2003/04	1,176,505	1,105,410	1,104,306	1,104,306
2004/05	1,531,500	1,445,704	1,443,281	1,444,347
2005/06	949,865	880,114	877,479	877,479
2006/07	1,129,763	1,037,474	1,033,335	1,033,335
2007/08	916,356	834,016	828,204	828,204
2008/09	857,495	802,291	797,238	798,754
2009/10	798,496	750,926	745,828	747,867
2010/11	865,123	800,324	789,007	801,145
2011/12	1,007,176	912,452	893,916	923,982
2012/13	890,216	928,875	949,379	929,345
2013/14	942,440	1,027,151	1,050,126	1,019,399

(2) is from Exhibit WC-HC-Med-3.

(3) is from Exhibit WC-HC-Med-4.

(4) is from Exhibit WC-HC-Med-5.

(5) is based on (2) to (4) and actuarial judgment.



COOK COUNTY, ILLINOIS
WORKERS' COMPENSATION - HEALTH CARE FACILITIES (MEDICAL)

Exhibit WC-HC-Med-7

Bornhuetter - Ferguson Analysis

I. A-priori Loss Rate

Claim Period (1)	Preliminary Projected Ultimate Limited Losses (2)	Payroll (000) (3)	Limited Loss Rate per \$100 of Payroll (2)/(3)/10 (4)	Loss Rate Trend (2014/15 = 1.000) (5)	Trended Limited Loss Rate per \$100 of Payroll (4)X(5) (6)	Projected A-priori Loss Rate per \$100 of Payroll (7)/(5) (8)
2004/05	\$1,444,347	\$458,776	\$0.31	1.450	\$0.46	\$0.16
2005/06	877,479	464,619	0.19	1.400	0.26	0.17
2006/07	1,033,335	448,051	0.23	1.316	0.30	0.18
2007/08	828,204	445,664	0.19	1.243	0.23	0.19
2008/09	798,754	501,624	0.16	1.118	0.18	0.21
2009/10	747,867	526,535	0.14	1.072	0.15	0.22
2010/11	801,145	489,053	0.16	1.056	0.17	0.23
2011/12	923,982	515,084	0.18	1.130	0.20	0.21
2012/13	929,345	482,783	0.19	1.082	0.21	0.22
2013/14	1,019,399	482,783	0.21	1.040	0.22	0.23

(7) Projected 2014/15 a-priori loss rate per \$100 of Payroll \$0.24

II. Bornhuetter - Ferguson Analysis Based on Limited Paid Losses

Claim Period (1)	Limited Paid Losses 11/30/14 (2)	Percent Losses Paid (3)	Projected A-priori Loss Rate per \$100 of Payroll (4)	Payroll (000) (5)	B-F Unpaid Losses [100.0%-(3)] X(4)X(5)X10 (6)	B-F Ultimate Limited Paid Losses (2)+(6) (7)
2009/10	\$697,091	87.3%	\$0.22	\$526,535	\$149,101	\$846,193
2010/11	722,734	83.5%	0.23	489,053	182,120	904,854
2011/12	771,933	76.6%	0.21	515,084	254,439	1,026,372
2012/13	556,972	62.6%	0.22	482,783	398,953	955,925
2013/14	222,508	23.6%	0.23	482,783	847,333	1,069,841

III. Bornhuetter - Ferguson Analysis Based on Limited Reported Incurred Losses

Claim Period (1)	Limited Reported Incurred Losses 11/30/14 (2)	Percent Losses Reported (3)	Projected A-priori Loss Rate per \$100 of Payroll (4)	Payroll (000) (5)	B-F Unreported Losses [100.0%-(3)] X(4)X(5)X10 (6)	B-F Ultimate Limited Reported Losses (2)+(6) (7)
2009/10	\$740,500	98.6%	\$0.22	\$526,535	\$16,301	\$756,801
2010/11	777,549	97.2%	0.23	489,053	31,488	809,037
2011/12	869,105	95.2%	0.21	515,084	51,752	920,857
2012/13	769,346	82.8%	0.22	482,783	183,037	952,383
2013/14	607,674	59.2%	0.23	482,783	452,992	1,060,666

Section I, (2) is from Exhibit WC-HC-Med-6.

Section I, (3), Section II, (5) and Section III, (5) are from Exhibit WC-HC-Med-10.

Section I, (5) is from Exhibit WC-HC-Med-15.

Section I, (7) is based on Section I, (6) and actuarial judgment.

Sections II and III, (2) are from Exhibit WC-HC-Med-1.

Sections II and III, (3) are from Exhibit WC-HC-Med-2.

Sections II and III, (4) are from Section I, (8).



COOK COUNTY, ILLINOIS
WORKERS' COMPENSATION - HEALTH CARE FACILITIES (MEDICAL)

Exhibit WC-HC-Med-8

Frequency Times Severity Analysis

I. Projected Ultimate Claims

Claim Period (1)	Months of Development 11/30/14 (2)	Reported Claims 11/30/14 (3)	Percent Claims Reported (4)	Projected Ultimate Claims (3)/(4) (5)	Payroll (000) (6)	Frequency (per \$1M of Payroll) (5)/(6)X1,000 (7)
2004/05	120.0	518	100.0%	518	\$458,776	1.13
2005/06	108.0	510	100.0%	510	464,619	1.10
2006/07	96.0	318	100.0%	318	448,051	0.71
2007/08	84.0	274	100.0%	274	445,664	0.61
2008/09	72.0	280	99.9%	280	501,624	0.56
2009/10	60.0	213	99.7%	214	526,535	0.41
2010/11	48.0	201	99.4%	202	489,053	0.41
2011/12	36.0	169	99.1%	171	515,084	0.33
2012/13	24.0	140	98.6%	142	482,783	0.29
2013/14	12.0	145	96.2%	151	482,783	0.31

II. Frequency Times Severity

Claim Period (1)	Preliminary Projected Ultimate Limited Losses (2)	Projected Ultimate Claims (3)	Average Severity (2)/(3) (4)	Severity Trend (2014/15 = 1.000) (5)	Trended Average Claim Severity (4)X(5) (6)	De-Trended Projected 2014/15 Average Claim Severity (7)/(5) (8)	Frequency Times Severity (3)X(8) (9)
2004/05	\$1,444,347	518	\$2,788	1.949	\$5,435	\$2,714	\$1,405,711
2005/06	877,479	510	1,721	1.827	3,144	2,895	1,476,368
2006/07	1,033,335	318	3,249	1.668	5,419	3,172	1,008,723
2007/08	828,204	274	3,023	1.528	4,619	3,461	948,413
2008/09	798,754	280	2,853	1.334	3,807	3,964	1,109,885
2009/10	747,867	214	3,495	1.242	4,341	4,258	911,247
2010/11	801,145	202	3,966	1.189	4,714	4,450	898,968
2011/12	923,982	171	5,403	1.235	6,671	4,285	732,686
2012/13	929,345	142	6,545	1.148	7,516	4,606	654,118
2013/14	1,019,399	151	6,751	1.071	7,232	4,938	745,665
						(7) Projected 2014/15 average claim severity \$5,290	

Section I, (3) is from Exhibit WC-HC-Med-1.

Section I, (4) is from Exhibit WC-HC-Med-2.

Section I, (6) is from Exhibit WC-HC-Med-10.

Section II, (2) is from Exhibit WC-HC-Med-6.

Section II, (3) is from Section I, (5).

Section II, (5) is from Exhibit WC-HC-Med-15.

Section II, (7) is based on (6) and actuarial judgment.



COOK COUNTY, ILLINOIS
WORKERS' COMPENSATION - HEALTH CARE FACILITIES (MEDICAL)

Exhibit WC-HC-Med-9

Projected Ultimate Limited Losses to 2013/14

Claim Period (1)	Developed Limited Paid Losses (2)	Developed Limited Reported Incurred Losses (3)	Developed Limited Case Reserves (4)	B-F Ultimate Limited Paid Losses (5)	B-F Ultimate Limited Reported Losses (6)	Frequency Times Severity (7)	Prior Projected Ultimate Limited Losses (8)	Projected Ultimate Limited Losses (9)
to 1994/95	\$11,853,215	\$11,856,863	\$11,856,863				\$11,575,375	\$11,897,311
1995/96	681,364	658,323	658,323				631,580	658,323
1996/97	812,754	798,914	798,914				801,000	800,357
1997/98	443,424	427,573	427,573				423,474	427,573
1998/99	748,363	760,554	760,554				521,187	765,000
1999/00	988,707	953,616	953,616				857,787	954,116
2000/01	873,921	835,144	835,144				764,720	835,144
2001/02	738,245	701,979	701,979				686,284	701,979
2002/03	1,117,083	1,060,686	1,060,686				1,017,000	1,061,168
2003/04	1,176,505	1,105,410	1,104,306				1,075,449	1,104,306
2004/05	1,531,500	1,445,704	1,443,281				1,472,000	1,444,347
2005/06	949,865	880,114	877,479				832,495	880,000
2006/07	1,129,763	1,037,474	1,033,335				976,814	1,037,000
2007/08	916,356	834,016	828,204				925,000	835,000
2008/09	857,495	802,291	797,238				845,000	800,000
2009/10	798,496	750,926	745,828	846,193	756,801	911,247	671,000	750,000
2010/11	865,123	800,324	789,007	904,854	809,037	898,968	900,000	850,000
2011/12	1,007,176	912,452	893,916	1,026,372	920,857	732,686	1,000,000	950,000
2012/13	890,216	928,875	949,379	955,925	952,383	654,118	1,100,000	950,000
2013/14	942,440	1,027,151	1,050,126	1,069,841	1,060,666	745,665	1,181,000	1,000,000
Total	\$29,322,013 #	\$28,578,392 #	\$28,565,752 #	\$4,803,186 #	\$4,499,743 #	\$3,942,684 #	\$28,257,164 #	\$28,701,624
Total 5 Years	4,503,452 0	4,419,728 0	4,428,257 0	4,803,186 0	4,499,743 0	3,942,684 0	4,852,000 #	4,500,000

(2) is from Exhibit WC-HC-Med-3.

(3) is from Exhibit WC-HC-Med-4.

(4) is from Exhibit WC-HC-Med-5.

(5) and (6) are from Exhibit WC-HC-Med-7.

(7) is from Exhibit WC-HC-Med-8.

(8) is from prior actuarial study and excludes Cermak.

(9) is based on (2) to (8) and actuarial judgment.



COOK COUNTY, ILLINOIS
WORKERS' COMPENSATION - HEALTH CARE FACILITIES (MEDICAL)

Exhibit WC-HC-Med-10

Projected Ultimate Limited Losses for 2014/15 and Subsequent

Claim Period (1)	Projected Ultimate Limited Losses (2)	Payroll (000) (3)	Limited Loss Rate per \$100 of Payroll (2)/(3)/10 (4)	Loss Rate Trend (2014/15 = 1.000) (5)	Trended Limited Loss Rate per \$100 of Payroll (4)X(5) (6)
2004/05	\$1,444,347	\$458,776	\$0.31	1.450	\$0.46
2005/06	880,000	464,619	0.19	1.400	0.27
2006/07	1,037,000	448,051	0.23	1.316	0.30
2007/08	835,000	445,664	0.19	1.243	0.23
2008/09	800,000	501,624	0.16	1.118	0.18
2009/10	750,000	526,535	0.14	1.072	0.15
2010/11	850,000	489,053	0.17	1.056	0.18
2011/12	950,000	515,084	0.18	1.130	0.21
2012/13	950,000	482,783	0.20	1.082	0.21
2013/14	1,000,000	482,783	0.21	1.040	0.22
Total	\$9,496,347	\$4,814,972	\$0.20		\$0.24

Claim Period (1)	Projected Limited Loss Rate per \$100 of Payroll (7)	Projected Payroll (000) (8)	Projected Ultimate Limited Losses (7)X(8)X10 (9)	Present Value Factor (10)	Present Value of Projected Limited Loss Rate per \$100 of Payroll (7)X(10) (11)	Present Value of Projected Ultimate Limited Losses (8)X(11)X10 (12)
2014/15	\$0.24	\$468,483	\$1,129,000	0.91	\$0.22	\$1,029,000
2015/16	0.25	468,483	1,174,000	0.91	0.23	1,070,000
2016/17	0.26	468,483	1,221,000	0.91	0.24	1,113,000

(2) is from Exhibit WC-HC-Med-9.

(3) was provided by the County.

(5) is from Exhibit WC-HC-Med-15.

(7) for 2014/15 is based on (6) and actuarial judgment.

(7) for 2015/16 and subsequent are based on 2014/15 plus the trend in Exhibit WC-HC-Med-15.

(8) to 2014/15 was provided by the County. Other claim periods are based on a 0% trend.

(10) is based on a 3.4% interest rate and the payout pattern in Exhibit WC-HC-Med-2.



COOK COUNTY, ILLINOIS
WORKERS' COMPENSATION - HEALTH CARE FACILITIES (MEDICAL)

Exhibit WC-HC-Med-11

Estimated Outstanding Losses as of November 30, 2014

Claim Period (1)	Limited Paid Losses 11/30/14 (2)	Limited Case Reserves 11/30/14 (3)	Limited Reported Incurred Losses 11/30/14 (4)	Projected Ultimate Limited Losses (5)	Estimated IBNR 11/30/14 (5)-(4) (6)	Estimated Outstanding Losses 11/30/14 (3)+(6) (7)	Present Value Factor (8)	Present Value of Estimated Outstanding Losses 11/30/14 (7)X(8) (9)
to 1994/95	\$11,452,382	\$404,481	\$11,856,863	\$11,897,311	\$40,448	\$444,929	0.92	\$409,731
1995/96	658,323	0	658,323	658,323	0	0	0.89	0
1996/97	784,485	14,429	798,914	800,357	1,443	15,872	0.86	13,726
1997/98	427,573	0	427,573	427,573	0	0	0.84	0
1998/99	720,172	40,382	760,554	765,000	4,446	44,828	0.82	36,838
1999/00	948,616	5,000	953,616	954,116	500	5,500	0.81	4,446
2000/01	835,144	0	835,144	835,144	0	0	0.80	0
2001/02	701,979	0	701,979	701,979	0	0	0.79	0
2002/03	1,055,870	4,816	1,060,686	1,061,168	482	5,298	0.79	4,189
2003/04	1,104,306	0	1,104,306	1,104,306	0	0	0.79	0
2004/05	1,427,523	15,294	1,442,817	1,444,347	1,529	16,823	0.78	13,190
2005/06	877,479	0	877,479	880,000	2,521	2,521	0.78	1,974
2006/07	1,033,335	0	1,033,335	1,037,000	3,665	3,665	0.78	2,866
2007/08	828,204	0	828,204	835,000	6,796	6,796	0.78	5,315
2008/09	765,816	28,501	794,317	800,000	5,683	34,184	0.78	26,640
2009/10	697,091	43,409	740,500	750,000	9,500	52,909	0.79	41,813
2010/11	722,734	54,815	777,549	850,000	72,451	127,266	0.81	103,676
2011/12	771,933	97,172	869,105	950,000	80,895	178,067	0.85	150,617
2012/13	556,972	212,373	769,346	950,000	180,654	393,027	0.88	346,016
2013/14	222,508	385,165	607,674	1,000,000	392,326	777,491	0.92	714,381
Total	\$26,592,445	\$1,305,838	\$27,898,284	\$28,701,624	\$803,339	\$2,109,176		\$1,875,418

(2), (3) and (4) are net of specific self insured retention and aggregate retention.

(5) is from Exhibit WC-HC-Med-9.

(8) is based on a 3.4% interest rate and the payout pattern in Exhibit WC-HC-Med-2.



COOK COUNTY, ILLINOIS
WORKERS' COMPENSATION - HEALTH CARE FACILITIES (MEDICAL)

Exhibit WC-HC-Med-12

Projected Losses Paid December 1, 2014 to November 30, 2015

Claim Period (1)	Months of Development 11/30/14 (2)	Percent Losses Paid (3)	Months of Development 11/30/15 (4)	Percent Losses Paid (5)	Percent Outstanding Losses Paid 12/1/14 to 11/30/15 [(5)-(3)]/ [100.0%-(3)] (6)	Estimated Outstanding Losses 11/30/14 (7)	Projected Losses Paid (6)X(7) (8)	Estimated Outstanding Losses 11/30/15 (7)-(8) (9)	Present Value Factor (10)	Present Value of Estimated Outstanding Losses 11/30/15 (9)X(10) (11)
to 1994/95	240.0	96.6%	252.0	97.6%	30.0%	\$444,929	\$133,479	\$311,450	0.92	\$287,570
1995/96	228.0	96.6%	240.0	96.6%	100.0%	0	0	0	0.92	0
1996/97	216.0	96.5%	228.0	96.6%	2.8%	15,872	440	15,432	0.89	13,744
1997/98	204.0	96.4%	216.0	96.5%	2.7%	0	0	0	0.86	0
1998/99	192.0	96.2%	204.0	96.4%	5.1%	44,828	2,290	42,538	0.84	35,751
1999/00	180.0	95.9%	192.0	96.2%	7.1%	5,500	390	5,110	0.82	4,199
2000/01	168.0	95.6%	180.0	95.9%	8.6%	0	0	0	0.81	0
2001/02	156.0	95.1%	168.0	95.6%	9.7%	0	0	0	0.80	0
2002/03	144.0	94.5%	156.0	95.1%	10.3%	5,298	548	4,750	0.79	3,772
2003/04	132.0	93.9%	144.0	94.5%	10.7%	0	0	0	0.79	0
2004/05	120.0	93.2%	132.0	93.9%	9.6%	16,823	1,617	15,206	0.79	11,989
2005/06	108.0	92.4%	120.0	93.2%	10.9%	2,521	275	2,246	0.78	1,761
2006/07	96.0	91.5%	108.0	92.4%	10.7%	3,665	393	3,272	0.78	2,562
2007/08	84.0	90.4%	96.0	91.5%	11.3%	6,796	766	6,030	0.78	4,715
2008/09	72.0	89.3%	84.0	90.4%	10.0%	34,184	3,427	30,757	0.78	24,054
2009/10	60.0	87.3%	72.0	89.3%	15.8%	52,909	8,365	44,544	0.78	34,713
2010/11	48.0	83.5%	60.0	87.3%	22.8%	127,266	29,069	98,197	0.79	77,603
2011/12	36.0	76.6%	48.0	83.5%	29.5%	178,067	52,588	125,479	0.81	102,220
2012/13	24.0	62.6%	36.0	76.6%	37.6%	393,027	147,801	245,226	0.85	207,423
2013/14	12.0	23.6%	24.0	62.6%	51.0%	777,491	396,491	381,000	0.88	335,428
2014/15	0.0	0.0%	12.0	23.6%	23.6%	1,129,000	266,555	862,445	0.92	792,440
Total						\$3,238,176	\$1,044,494	\$2,193,682		\$1,939,944

(3) and (5) are from Exhibit WC-HC-Med-2.

(7) to 2013/14 is from Exhibit WC-HC-Med-11. The amount for 2014/15 is from Exhibit WC-HC-Med-10.

(10) is based on a 3.4% interest rate and the payout pattern in Exhibit WC-HC-Med-2.



COOK COUNTY, ILLINOIS
WORKERS' COMPENSATION - HEALTH CARE FACILITIES (MEDICAL)

Exhibit WC-HC-Med-13

Projected Losses Paid December 1, 2015 to November 30, 2016

Claim Period (1)	Months of Development 11/30/15 (2)	Percent Losses Paid (3)	Months of Development 11/30/16 (4)	Percent Losses Paid (5)	Percent Outstanding Losses Paid 12/1/15 to 11/30/16 [(5)-(3)]/ [100.0%-(3)] (6)	Estimated Outstanding Losses 11/30/15 (7)	Projected Losses Paid (6)X(7) (8)	Estimated Outstanding Losses 11/30/16 (7)-(8) (9)	Present Value Factor (10)	Present Value of Estimated Outstanding Losses 11/30/16 (9)X(10) (11)
to 1994/95	252.0	97.6%	264.0	98.3%	30.0%	\$311,450	\$93,435	\$218,015	0.93	\$201,982
1995/96	240.0	96.6%	252.0	97.6%	30.0%	0	0	0	0.92	0
1996/97	228.0	96.6%	240.0	96.6%	100.0%	15,432	15,432	0	0.92	0
1997/98	216.0	96.5%	228.0	96.6%	2.8%	0	0	0	0.89	0
1998/99	204.0	96.4%	216.0	96.5%	2.7%	42,538	1,147	41,391	0.86	35,795
1999/00	192.0	96.2%	204.0	96.4%	5.1%	5,110	261	4,849	0.84	4,075
2000/01	180.0	95.9%	192.0	96.2%	7.1%	0	0	0	0.82	0
2001/02	168.0	95.6%	180.0	95.9%	8.6%	0	0	0	0.81	0
2002/03	156.0	95.1%	168.0	95.6%	9.7%	4,750	460	4,290	0.80	3,430
2003/04	144.0	94.5%	156.0	95.1%	10.3%	0	0	0	0.79	0
2004/05	132.0	93.9%	144.0	94.5%	10.7%	15,206	1,628	13,578	0.79	10,735
2005/06	120.0	93.2%	132.0	93.9%	9.6%	2,246	216	2,030	0.79	1,601
2006/07	108.0	92.4%	120.0	93.2%	10.9%	3,272	357	2,915	0.78	2,285
2007/08	96.0	91.5%	108.0	92.4%	10.7%	6,030	646	5,384	0.78	4,216
2008/09	84.0	90.4%	96.0	91.5%	11.3%	30,757	3,468	27,289	0.78	21,337
2009/10	72.0	89.3%	84.0	90.4%	10.0%	44,544	4,465	40,079	0.78	31,344
2010/11	60.0	87.3%	72.0	89.3%	15.8%	98,197	15,526	82,671	0.78	64,426
2011/12	48.0	83.5%	60.0	87.3%	22.8%	125,479	28,661	96,818	0.79	76,513
2012/13	36.0	76.6%	48.0	83.5%	29.5%	245,226	72,422	172,804	0.81	140,773
2013/14	24.0	62.6%	36.0	76.6%	37.6%	381,000	143,278	237,722	0.85	201,076
2014/15	12.0	23.6%	24.0	62.6%	51.0%	862,445	439,815	422,630	0.88	372,078
2015/16	0.0	0.0%	12.0	23.6%	23.6%	1,174,000	277,179	896,821	0.92	824,025
Total						\$3,367,682	\$1,098,396	\$2,269,286		\$1,995,691

(3) and (5) are from Exhibit WC-HC-Med-2.

(7) to 2014/15 is from Exhibit WC-HC-Med-12, (9). The amount for 2015/16 is from Exhibit WC-HC-Med-10.

(10) is based on a 3.4% interest rate and the payout pattern in Exhibit WC-HC-Med-2.



COOK COUNTY, ILLINOIS
WORKERS' COMPENSATION - HEALTH CARE FACILITIES (MEDICAL)

Exhibit WC-HC-Med-14

Projected Losses Paid December 1, 2016 to November 30, 2017

Claim Period (1)	Months of Development 11/30/16 (2)	Percent Losses Paid (3)	Months of Development 11/30/17 (4)	Percent Losses Paid (5)	Percent Outstanding Losses Paid 12/1/16 to 11/30/17 [(5)-(3)]/ [100.0%-(3)] (6)	Estimated Outstanding Losses 11/30/16 (7)	Projected Losses Paid (6)X(7) (8)	Estimated Outstanding Losses 11/30/17 (7)-(8) (9)	Present Value Factor (10)	Present Value of Estimated Outstanding Losses 11/30/17 (9)X(10) (11)
to 1994/95	264.0	98.3%	276.0	98.8%	30.0%	\$218,015	\$65,404	\$152,611	0.93	\$141,997
1995/96	252.0	97.6%	264.0	98.3%	30.0%	0	0	0	0.93	0
1996/97	240.0	96.6%	252.0	97.6%	30.0%	0	0	0	0.92	0
1997/98	228.0	96.6%	240.0	96.6%	100.0%	0	0	0	0.92	0
1998/99	216.0	96.5%	228.0	96.6%	2.8%	41,391	1,149	40,242	0.89	35,840
1999/00	204.0	96.4%	216.0	96.5%	2.7%	4,849	131	4,718	0.86	4,080
2000/01	192.0	96.2%	204.0	96.4%	5.1%	0	0	0	0.84	0
2001/02	180.0	95.9%	192.0	96.2%	7.1%	0	0	0	0.82	0
2002/03	168.0	95.6%	180.0	95.9%	8.6%	4,290	370	3,920	0.81	3,169
2003/04	156.0	95.1%	168.0	95.6%	9.7%	0	0	0	0.80	0
2004/05	144.0	94.5%	156.0	95.1%	10.3%	13,578	1,405	12,173	0.79	9,666
2005/06	132.0	93.9%	144.0	94.5%	10.7%	2,030	217	1,813	0.79	1,433
2006/07	120.0	93.2%	132.0	93.9%	9.6%	2,915	280	2,635	0.79	2,078
2007/08	108.0	92.4%	120.0	93.2%	10.9%	5,384	587	4,797	0.78	3,761
2008/09	96.0	91.5%	108.0	92.4%	10.7%	27,289	2,924	24,365	0.78	19,081
2009/10	84.0	90.4%	96.0	91.5%	11.3%	40,079	4,519	35,560	0.78	27,804
2010/11	72.0	89.3%	84.0	90.4%	10.0%	82,671	8,287	74,384	0.78	58,172
2011/12	60.0	87.3%	72.0	89.3%	15.8%	96,818	15,308	81,510	0.78	63,521
2012/13	48.0	83.5%	60.0	87.3%	22.8%	172,804	39,470	133,334	0.79	105,371
2013/14	36.0	76.6%	48.0	83.5%	29.5%	237,722	70,206	167,516	0.81	136,465
2014/15	24.0	62.6%	36.0	76.6%	37.6%	422,630	158,933	263,697	0.85	223,047
2015/16	12.0	23.6%	24.0	62.6%	51.0%	896,821	457,345	439,476	0.88	386,909
2016/17	0.0	0.0%	12.0	23.6%	23.6%	1,221,000	288,276	932,724	0.92	857,014
Total						\$3,490,286	\$1,114,811	\$2,375,475		\$2,079,408

(3) and (5) are from Exhibit WC-HC-Med-2.

(7) to 2015/16 is from Exhibit WC-HC-Med-13, (9). The amount for 2016/17 is from Exhibit WC-HC-Med-10.

(10) is based on a 3.4% interest rate and the payout pattern in Exhibit WC-HC-Med-2.



Loss Rate and Severity Trend

I. Benefit Level Changes

Effective Date (1)	Benefit Level Change (2)	Cumulative Benefit Level Change (3)
02/01/06	0.995	0.995
01/01/07	1.026	1.021
01/01/08	1.018	1.039
01/01/09	1.029	1.069
02/01/09	1.048	1.121
01/01/10	0.992	1.112
01/01/11	1.015	1.128
09/01/11	0.853	0.963
01/01/12	1.015	0.977
11/20/12	0.994	0.971
01/01/13	1.009	0.980

II. Loss Rate and Severity Trend

Claim Period (1)	Benefit Trend (2014/15 = 1.000) (2)	Residual Trend (2014/15 = 1.000) (3)	Retention Index (2014/15 = 1.000) (4)	Loss Rate Trend (2014/15 = 1.000) (2)X(3)X(4) (5)	Wage Trend (2014/15 = 1.000) (6)	Severity Trend (2014/15 = 1.000) (5)X(6) (7)
2004/05	0.980	1.480	1.000	1.450	1.344	1.949
2005/06	0.984	1.423	1.000	1.400	1.305	1.827
2006/07	0.962	1.369	1.000	1.316	1.267	1.668
2007/08	0.944	1.316	1.000	1.243	1.230	1.528
2008/09	0.883	1.265	1.000	1.118	1.194	1.334
2009/10	0.881	1.217	1.000	1.072	1.159	1.242
2010/11	0.903	1.170	1.000	1.056	1.126	1.189
2011/12	1.004	1.125	1.000	1.130	1.093	1.235
2012/13	1.001	1.082	1.000	1.082	1.061	1.148
2013/14	1.000	1.040	1.000	1.040	1.030	1.071
2014/15	1.000	1.000	1.000	1.000	1.000	1.000
2015/16	1.000	0.962	1.000	0.962	0.971	0.934

Section I, (2) and (3) reflect NCCI data.

Section II, (2) is based on Section I, (2).

Section II, (3) is based on 4% trend per actuarial judgment.

Section II, (4) is based on industry statistics and actuarial judgment.

Section II, (6) is based on 3% trend.



COOK COUNTY, ILLINOIS
WORKERS' COMPENSATION - HEALTH CARE FACILITIES (MEDICAL)

Exhibit WC-HC-Med-16

List of Large Claims
Reported Incurred Losses Greater Than \$1,000,000

Claim Number (1)	Date of Loss (2)	Claim Period (3)	Specific Self-Insured Retention (4)	Unlimited Paid Losses 11/30/14 (5)	Unlimited Case Reserves 11/30/14 (6)	Unlimited Reported Incurred Losses 11/30/14 (7)
894134	7/23/1991	to 1994/95	Unlimited	\$1,084,952	\$140,048	\$1,225,000

Amounts are gross of excess insurance.

The claim(s) indicated by a "*" have been limited in development.

(1) through (7) were provided by the County.



COOK COUNTY, ILLINOIS
WORKERS' COMPENSATION - HEALTH CARE FACILITIES (MEDICAL)

Exhibit WC-HC-Med-17

Size of Loss Distribution

I. Reported Claim Count

Layer (1)	Prior (2)	2009/10 (3)	2010/11 (4)	2011/12 (5)	2012/13 (6)	2013/14 (7)	Total (2)...(7) (8)	Non-Zero Claim Cumulative Total (9)	Non-Zero Claim Cumulative % of Total (10)
0	6,509	125	120	98	73	66	6,991		
0.01 - 5,000	3,571	72	49	41	42	48	3,823	3,823	79.9%
5,000 - 10,000	312	5	12	11	5	5	350	4,173	87.2%
10,000 - 25,000	314	4	10	10	7	21	366	4,539	94.8%
25,000 - 50,000	128	3	7	4	11	5	158	4,697	98.1%
50,000 - 100,000	54	2	2	3	2	0	63	4,760	99.4%
100,000 - 250,000	17	2	1	2	0	0	22	4,782	99.9%
250,000 - 500,000	3	0	0	0	0	0	3	4,785	100.0%
500,000 - 750,000	1	0	0	0	0	0	1	4,786	100.0%
750,000 - 1,000,000	0	0	0	0	0	0	0	4,786	100.0%
Over 1,000,000	1	0	0	0	0	0	1	4,787	100.0%
Total	10,910	213	201	169	140	145	11,778	4,787	

II. Total Reported Incurred Losses

Layer (1)	Prior (2)	2009/10 (3)	2010/11 (4)	2011/12 (5)	2012/13 (6)	2013/14 (7)	Total (2)...(7) (8)	Non-Zero Claim Cumulative Total (9)	Non-Zero Claim Cumulative % of Total (10)
0	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
0.01 - 5,000	3,648,806	87,199	55,574	46,988	56,100	88,681	3,983,348	3,983,348	14.3%
5,000 - 10,000	2,176,167	38,760	85,340	81,905	36,274	35,924	2,454,370	6,437,718	23.1%
10,000 - 25,000	4,987,607	59,614	162,940	152,154	117,392	314,899	5,794,605	12,232,323	43.8%
25,000 - 50,000	4,521,371	101,341	246,844	134,265	390,289	168,170	5,562,280	17,794,603	63.8%
50,000 - 100,000	3,613,813	110,316	119,030	175,949	169,291	0	4,188,400	21,983,003	78.8%
100,000 - 250,000	2,321,414	343,271	107,820	277,844	0	0	3,050,348	25,033,351	89.7%
250,000 - 500,000	1,103,130	0	0	0	0	0	1,103,130	26,136,481	93.7%
500,000 - 750,000	536,803	0	0	0	0	0	536,803	26,673,284	95.6%
750,000 - 1,000,000	0	0	0	0	0	0	0	26,673,284	95.6%
Over 1,000,000	1,225,000	0	0	0	0	0	1,225,000	27,898,284	100.0%
Total	\$24,134,111	\$740,500	\$777,549	\$869,105	\$769,346	\$607,674	\$27,898,284	\$27,898,284	

Amounts are gross of excess insurance.

Data was provided by the County.



COOK COUNTY, ILLINOIS
 MEDICAL MALPRACTICE - CERMAK HEALTH SERVICES

Exhibit MM-Cermak-1 (page 1)

Data Summary as of November 30, 2014
 Losses Limited to Self-Insured Retention

Claim Period (1)	Specific Self-Insured Retention (2)	Aggregate Retention (3)	Months of Development 11/30/14 (4)	Occupied Bed Equivalents (5)	Reported Claims 11/30/14 (6)	Open Claims 11/30/14 (7)	Limited Paid Losses 11/30/14 (8)	Limited Case Reserves 11/30/14 (9)	Limited Reported Incurred Losses 11/30/14 (10)
to 1994/95	See Note	None	240.0	Not Provided	6	0	\$258,600	\$0	\$258,600
1995/96	Unlimited	None	228.0	Not Provided	2	0	8,000,000	0	8,000,000
1996/97	Unlimited	None	216.0	Not Provided	1	0	0	0	0
1997/98	Unlimited	None	204.0	Not Provided	3	0	503,400	0	503,400
1998/99	Unlimited	None	192.0	Not Provided	2	0	50,000	0	50,000
1999/00	Unlimited	None	180.0	Not Provided	4	0	2,250,000	0	2,250,000
2000/01	10,000,000	25,000,000	168.0	Not Provided	11	0	950,000	0	950,000
2001/02	15,000,000	50,000,000	156.0	Not Provided	21	0	1,213,000	0	1,213,000
2002/03	20,000,000	80,000,000	144.0	Not Provided	10	0	22,000	0	22,000
2003/04	20,000,000	None	132.0	813	12	0	3,408,500	0	3,408,500
2004/05	20,000,000	None	120.0	775	12	0	18,000	0	18,000
2005/06	20,000,000	None	108.0	752	22	0	1,028,000	0	1,028,000
2006/07	20,000,000	None	96.0	625	16	0	16,100	0	16,100
2007/08	20,000,000	None	84.0	Not Provided	11	0	1,125,000	0	1,125,000
2008/09	20,000,000	None	72.0	Not Provided	0	0	0	0	0
2009/10	40,000,000	None	60.0	Not Provided	3	2	45,000	1,800,000	1,845,000
2010/11	40,000,000	None	48.0	Not Provided	1	1	0	50,000	50,000
2011/12	40,000,000	None	36.0	959	2	2	0	1,600,000	1,600,000
2012/13	30,000,000	None	24.0	892	7	6	0	220,000	220,000
2013/14	30,000,000	None	12.0	892	0	0	0	0	0
Total					146	11	\$18,887,600	\$3,670,000	\$22,557,600

* The specific self-insured retention changes are as follows:

Effective Date	Retention
12/01/75	Unlimited
12/01/00	10,000,000
12/01/01	15,000,000
12/01/02	20,000,000
03/01/10	40,000,000
03/01/13	30,000,000

(8), (9) and (10) are net of the specific self-insured retention and other recoveries.

Data was provided by the County.



COOK COUNTY, ILLINOIS
 MEDICAL MALPRACTICE - CERMAK HEALTH SERVICES

Exhibit MM-Cermak-1 (page 2)

Data Summary as of November 30, 2014
 Unlimited Losses

Claim Period (1)	Specific Self-Insured Retention (2)	Aggregate Retention (3)	Months of Development 11/30/14 (4)	Occupied Bed Equivalents (5)	Reported Claims 11/30/14 (6)	Open Claims 11/30/14 (7)	Unlimited Paid Losses 11/30/14 (8)	Unlimited Case Reserves 11/30/14 (9)	Unlimited Reported Incurred Losses 11/30/14 (10)
to 1994/95	Unlimited	None	240.0	Not Provided	6	0	\$258,600	\$0	\$258,600
1995/96	Unlimited	None	228.0	Not Provided	2	0	8,000,000	0	8,000,000
1996/97	Unlimited	None	216.0	Not Provided	1	0	0	0	0
1997/98	Unlimited	None	204.0	Not Provided	3	0	503,400	0	503,400
1998/99	Unlimited	None	192.0	Not Provided	2	0	50,000	0	50,000
1999/00	Unlimited	None	180.0	Not Provided	4	0	2,250,000	0	2,250,000
2000/01	Unlimited	25,000,000	168.0	Not Provided	11	0	950,000	0	950,000
2001/02	Unlimited	50,000,000	156.0	Not Provided	21	0	1,213,000	0	1,213,000
2002/03	Unlimited	80,000,000	144.0	Not Provided	10	0	22,000	0	22,000
2003/04	Unlimited	None	132.0	813	12	0	3,408,500	0	3,408,500
2004/05	Unlimited	None	120.0	775	12	0	18,000	0	18,000
2005/06	Unlimited	None	108.0	752	22	0	1,028,000	0	1,028,000
2006/07	Unlimited	None	96.0	625	16	0	16,100	0	16,100
2007/08	Unlimited	None	84.0	Not Provided	11	0	1,125,000	0	1,125,000
2008/09	Unlimited	None	72.0	Not Provided	0	0	0	0	0
2009/10	Unlimited	None	60.0	Not Provided	3	2	45,000	1,800,000	1,845,000
2010/11	Unlimited	None	48.0	Not Provided	1	1	0	50,000	50,000
2011/12	Unlimited	None	36.0	959	2	2	0	1,600,000	1,600,000
2012/13	Unlimited	None	24.0	892	7	6	0	220,000	220,000
2013/14	Unlimited	None	12.0	892	0	0	0	0	0
Total					146	11	\$18,887,600	\$3,670,000	\$22,557,600

(8), (9) and (10) are gross of the specific self-insured retention and other recoveries.

Data was provided by the County.



COOK COUNTY, ILLINOIS
 MEDICAL MALPRACTICE - CERMAK HEALTH SERVICES

Summary of Percent Losses Paid, Losses Reported and Claims Reported

Months of Development (1)	Percent Losses Paid (2)	Percent Losses Reported (3)	Percent Claims Reported (4)	Months of Development (5)	Percent Losses Paid (6)	Percent Losses Reported (7)	Percent Claims Reported (8)
360.0	100.0%	100.0%	100.0%	354.0	100.0%	100.0%	100.0%
348.0	100.0%	100.0%	100.0%	342.0	100.0%	100.0%	100.0%
336.0	100.0%	100.0%	100.0%	330.0	100.0%	100.0%	100.0%
324.0	100.0%	100.0%	100.0%	318.0	100.0%	100.0%	100.0%
312.0	100.0%	100.0%	100.0%	306.0	100.0%	100.0%	100.0%
300.0	100.0%	100.0%	100.0%	294.0	100.0%	100.0%	100.0%
288.0	100.0%	100.0%	100.0%	282.0	100.0%	100.0%	100.0%
276.0	100.0%	100.0%	100.0%	270.0	100.0%	100.0%	100.0%
264.0	100.0%	100.0%	100.0%	258.0	100.0%	100.0%	100.0%
252.0	100.0%	100.0%	100.0%	246.0	100.0%	100.0%	100.0%
240.0	100.0%	100.0%	100.0%	234.0	100.0%	100.0%	100.0%
228.0	100.0%	100.0%	100.0%	222.0	100.0%	100.0%	100.0%
216.0	100.0%	100.0%	100.0%	210.0	100.0%	100.0%	100.0%
204.0	100.0%	100.0%	100.0%	198.0	100.0%	100.0%	100.0%
192.0	100.0%	100.0%	100.0%	186.0	100.0%	100.0%	100.0%
180.0	100.0%	100.0%	100.0%	174.0	100.0%	100.0%	100.0%
168.0	100.0%	100.0%	100.0%	162.0	100.0%	100.0%	100.0%
156.0	100.0%	100.0%	100.0%	150.0	100.0%	100.0%	100.0%
144.0	100.0%	100.0%	100.0%	138.0	99.0%	100.0%	100.0%
132.0	98.0%	100.0%	100.0%	126.0	96.2%	100.0%	100.0%
120.0	94.3%	100.0%	100.0%	114.0	92.0%	99.5%	100.0%
108.0	89.8%	99.0%	100.0%	102.0	85.0%	98.3%	100.0%
96.0	80.2%	97.5%	100.0%	90.0	74.0%	96.6%	100.0%
84.0	67.9%	95.6%	100.0%	78.0	62.3%	94.7%	100.0%
72.0	56.6%	93.8%	100.0%	66.0	42.5%	91.5%	100.0%
60.0	28.3%	89.3%	100.0%	54.0	19.6%	86.2%	100.0%
48.0	10.9%	83.1%	100.0%	42.0	6.5%	79.3%	99.0%
36.0	2.2%	75.5%	98.0%	30.0	1.1%	69.2%	95.7%
24.0	0.0%	62.9%	93.4%	18.0	0.0%	52.4%	84.8%
12.0	0.0%	42.0%	76.2%	6.0	0.0%	21.0%	38.1%

(2) is from Exhibit MM-Cermak-2 (page 2).

(3) is from Exhibit MM-Cermak-2 (page 3).

(4) is from Exhibit MM-Cermak-2 (page 4).

(6), (7) and (8) are interpolated, based on (2), (3) and (4), respectively.



COOK COUNTY, ILLINOIS
MEDICAL MALPRACTICE - CERMAK HEALTH SERVICES

Historical Limited Paid Losses (\$000) and Limited Paid Loss Development

I. Historical Limited Paid Losses (\$000)

Claim Period	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204	216	228	240	
to 1/99/05																					
1995/96	0	0	0	0	0	0	3,000	5,500	8,000	8,000	8,000	8,000	8,000	8,000	8,000	8,000	8,000	8,000	8,000	8,000	
1996/97	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
1997/98	0	3	163	503	503	503	503	503	503	503	503	503	503	503	503	503	503	503	503	503	
1998/99	0	0	0	0	0	0	2,250	2,250	2,250	2,250	2,250	2,250	2,250	2,250	2,250	2,250	2,250	2,250	2,250	2,250	
1999/00	0	0	0	0	0	0	950	950	950	950	950	950	950	950	950	950	950	950	950	950	
2000/01	0	0	0	0	0	0	1,206	1,213	1,213	1,213	1,213	1,213	1,213	1,213	1,213	1,213	1,213	1,213	1,213	1,213	
2001/02	0	1	1	3	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	
2002/03	0	0	0	2,869	3,409	3,409	3,409	3,409	3,409	3,409	3,409	3,409	3,409	3,409	3,409	3,409	3,409	3,409	3,409	3,409	
2003/04	0	0	17	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	
2004/05	0	1	16	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	
2005/06	0	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	
2006/07	0	125	125	1,125	1,125	1,125	1,125	1,125	1,125	1,125	1,125	1,125	1,125	1,125	1,125	1,125	1,125	1,125	1,125	1,125	
2007/08	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2008/09	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2009/10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2010/11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2011/12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2012/13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2013/14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

II. Limited Paid Loss Development

Claim Period	12-24	24-36	36-48	48-60	60-72	72-84	84-96	96-108	108-120	120-132	132-144	144-156	156-168	168-180	180-192	192-204	204-216	216-228	228-240	240-Ult	
to 1/99/05																					
1995/96							1,833	1,455	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
1996/97							1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
1997/98		48,059	3,081	1,000			1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
1998/99							1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
1999/00							1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
2000/01							1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
2001/02		1,000	6,000	51,000	23,647	1,006	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
2002/03				7,333	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
2003/04				1,031	1,000	1,152	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
2004/05		32,000	1,059	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
2005/06			1,750	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
2006/07		1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
2007/08		1,000	9,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
2008/09																					
2009/10																					
2010/11																					
2011/12																					
2012/13																					
2013/14																					
Average All		16,612	3,648	8,042	3,835	1,016	4,655	1,045	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
Wtd 3				1,040	1,000	1,000	17,103	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
Last 3		11,333	3,917	1,000	1,000	1,000	12,905	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
Last 5 x-tiltlow				1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
Similar	6,500	3,400	2,100	1,640	1,360	1,170	1,100	1,060	1,050	1,100	1,020	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
Previous	2,000	120,000	5,000	2,600	2,000	1,200	1,180	1,120	1,050	1,040	1,020	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
Selected	2,000	120,000	5,000	2,600	2,000	1,200	1,180	1,120	1,050	1,040	1,020	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
Cumulative	#####	5511,359	45,928	3,533	9,186	1,766	1,472	1,248	1,114	1,061	1,020	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
Percent	0.0%	0.0%	2.2%	10.9%	28.3%	56.6%	67.9%	80.2%	89.8%	94.3%	98.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	

Amounts are limited (net of excess insurance).

Data was provided by the County.



COOK COUNTY, ILLINOIS
MEDICAL MALPRACTICE - CERMAK HEALTH SERVICES

Historical Limited Reported Incurred Losses (\$000) and Limited Reported Incurred Loss Development

I. Historical Limited Reported Incurred Losses (\$000)

Claim Period	Months of Development:							180-192	192-204	204-216	216-228	228-240	240-UIT
	36	48	60	72	84	96	108						
to 1/99/05													
1995/96	0	300	8,000	8,000	8,000	8,000	8,000	8,000	8,000	8,000	8,000	8,000	8,000
1996/97	0	25	0	0	0	0	0	0	0	0	0	0	0
1997/98	300	503	503	503	503	503	503	503	503	503	503	503	503
1998/99	1,000	2,500	2,500	2,550	2,550	2,550	2,550	2,550	2,550	2,550	2,550	2,550	2,550
2000/01	552	1,050	4,000	950	950	950	950	950	950	950	950	950	950
2001/02	1,405	1,115	1,061	1,586	1,207	1,213	1,213	1,213	1,213	1,213	1,213	1,213	1,213
2002/03	420	341	48	22	22	22	22	22	22	22	22	22	22
2003/04	4,660	3,780	7,979	7,709	3,409	3,409	3,409	3,409	3,409	3,409	3,409	3,409	3,409
2004/05	655	2,091	277	18	18	18	18	18	18	18	18	18	18
2005/06	2,461	3,417	1,691	1,028	1,028	1,028	1,028	1,028	1,028	1,028	1,028	1,028	1,028
2006/07	4,391	3,896	4,506	246	246	246	246	246	246	246	246	246	246
2007/08	885	1,402	1,125	1,125	1,125	1,125	1,125	1,125	1,125	1,125	1,125	1,125	1,125
2008/09	0	0	0	0	0	0	0	0	0	0	0	0	0
2009/10	400	500	2,800	1,845	1,845	1,845	1,845	1,845	1,845	1,845	1,845	1,845	1,845
2010/11	0	50	50	50	50	50	50	50	50	50	50	50	50
2011/12	1	1,501	1,600										
2012/13	270	220											
2013/14	0												

II. Limited Reported Incurred Loss Development

Claim Period	Months of Development:						180-192	192-204	204-216	216-228	228-240	240-UIT	
	36-48	48-60	60-72	72-84	84-96	96-108							
to 1/99/05													
1995/96	1.000	40.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
1996/97	0.667	0.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
1997/98	1.516	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
1998/99	2.000	0.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
1999/00	2.505	1.617	1.300	0.785	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
2000/01	1.902	0.238	3.000	2.375	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
2001/02	1.089	0.729	1.509	0.761	1.005	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
2002/03	0.811	1.034	1.055	0.458	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
2003/04	0.808	1.487	1.410	0.938	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
2004/05	3.192	0.132	1.870	0.421	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
2005/06	1.388	0.495	1.486	1.327	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
2006/07	0.887	1.157	0.324	0.591	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
2007/08	1.584	0.802	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
2008/09	1.250	5.600	0.429	1.538	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
2009/10	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
2010/11	3.001.000	1.066											
2011/12	0.815												
2012/13													
2013/14													
Average	232.108	1.221	1.208	3.837	1.034	0.885	0.976	1.000	0.987	1.000	1.000	1.000	1.000
All	6.545	2.170	0.439	1.277	0.890	0.706	0.822	1.000	1.000	1.000	1.000	1.000	1.000
Wtd 3		2.555			0.973	0.836	0.868	1.000	1.000	1.000	1.000	1.000	1.000
Last 3					0.843	0.836	1.000	1.000	1.000	1.000	1.000	1.000	1.000
x-Hi/low													
Similar	3.600	2.100	1.400	1.140	1.040	1.003	1.002	1.001	1.001	1.001	1.000	1.000	1.000
Previous	1.500	1.200	1.100	1.075	1.050	1.020	1.020	1.015	1.010	1.010	1.000	1.000	1.000
Selected	1.500	1.200	1.100	1.075	1.050	1.020	1.020	1.015	1.010	1.010	1.000	1.000	1.000
Cumulative	2.384	1.589	1.324	1.204	1.120	1.067	1.046	1.025	1.010	1.010	1.000	1.000	1.000
Percent	42.0%	62.9%	75.5%	83.1%	89.3%	93.8%	95.6%	97.5%	99.0%	100.0%	100.0%	100.0%	100.0%

Amounts are limited (net of excess insurance).

Data was provided by the County.



COOK COUNTY, ILLINOIS
 MEDICAL MALPRACTICE - CERMAK HEALTH SERVICES
 Historical Reported Claims and Reported Claim Development

Claim Period	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204	216	228	240	
to 1/9/94/95	0	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	6
1995/96	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1996/97	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
1997/98	0	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
1998/99	1	1	2	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
1999/00	7	10	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
2000/01	14	19	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21
2002/03	8	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
2003/04	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
2004/05	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
2005/06	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
2006/07	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
2007/08	6	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
2008/09	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2009/10	1	1	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
2010/11	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2011/12	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2012/13	7	7	2																		
2013/14	0																				

II. Reported Claim Development

Claim Period	12-24	24-36	36-48	48-60	60-72	72-84	84-96	96-108	108-120	120-132	132-144	144-156	156-168	168-180	180-192	192-204	204-216	216-228	228-240	240-Ult
to 1/9/94/95	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
1995/96	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
1996/97	1,500	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
1997/98	1,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000
1998/99	1,000	2,000	1,500	1,333	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
1999/00	1,429	1,100	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
2000/01	1,357	1,050	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
2002/03	1,250	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
2003/04	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
2004/05	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
2005/06	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
2006/07	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
2007/08	1,833	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
2008/09	1,000	3,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
2009/10	1,000	2,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
2010/11	1,000	2,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
2011/12	1,000	2,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
2012/13	1,000	2,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
2013/14	1,000	2,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
Average All	1,182	1,325	1,033	1,024	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
Wtd 3	1,125	2,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
Last 3		2,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
Last 5																				
x-tiltlow																				
Similar	1,225	1,050	1,020	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
Selected	1,225	1,050	1,020	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
Cumulative	1,312	1,071	1,020	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
Percent	76.2%	93.4%	98.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Data was provided by the County.



COOK COUNTY, ILLINOIS
MEDICAL MALPRACTICE - CERMAK HEALTH SERVICES

Historical Ratio of Limited Paid Losses and Limited Reported Incurred Losses

Claim Period	Months of Development:																					
	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204	216	228	240		
to 1/994/05																						
1995/06	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	37.5%	68.8%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	
1996/07	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	
1997/08	0.0%	0.7%	21.4%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	
1998/09	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
1999/00	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	88.2%	88.2%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	
2000/01	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	
2001/02	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	99.9%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	
2002/03	0.0%	0.1%	1.1%	6.3%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	
2003/04	0.0%	0.0%	0.0%	36.0%	34.8%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	
2004/05	0.0%	0.0%	0.0%	6.1%	8.3%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	
2005/06	0.0%	0.0%	0.0%	2.7%	1.8%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	
2006/07	0.0%	0.4%	0.4%	3.5%	6.5%	6.5%	2.7%	6.5%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	
2007/08	0.0%	8.9%	11.1%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	
2008/09																						
2009/10	0.0%	0.0%	0.0%	0.0%	2.4%																	
2010/11	0.0%	0.0%	0.0%	0.0%																		
2011/12	0.0%	0.0%	0.0%	0.0%																		
2012/13	0.0%	0.0%	0.0%	0.0%																		
2013/14	0.0%	0.0%	0.0%	0.0%																		
Average																						
All		0.6%	2.7%	17.8%	29.5%	65.0%	69.6%	96.1%	98.8%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	
Last 3						36.0%	36.4%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	
Last 5						48.3%	68.8%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	
x-high																						
Implicit	0.0%	0.0%	2.9%	13.1%	31.7%	60.4%	71.0%	82.2%	90.7%	94.3%	98.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	



COOK COUNTY, ILLINOIS
MEDICAL MALPRACTICE - CERMAK HEALTH SERVICES

Exhibit MM-Cermak-3

Developed Limited Paid Losses

Claim Period (1)	Months of Development 11/30/14 (2)	Limited Paid Losses 11/30/14 (3)	Percent Losses Paid (4)	Developed Limited Paid Losses (3)/(4) (5)
to 1994/95	240.0	\$258,600	100.0%	\$258,600
1995/96	228.0	8,000,000	100.0%	8,000,000
1996/97	216.0	0	100.0%	0
1997/98	204.0	503,400	100.0%	503,400
1998/99	192.0	50,000	100.0%	50,000
1999/00	180.0	2,250,000	100.0%	2,250,000
2000/01	168.0	950,000	100.0%	950,000
2001/02	156.0	1,213,000	100.0%	1,213,000
2002/03	144.0	22,000	100.0%	22,000
2003/04	132.0	3,408,500	98.0%	3,476,670
2004/05	120.0	18,000	94.3%	19,094
2005/06	108.0	1,028,000	89.8%	1,145,028
2006/07	96.0	16,100	80.2%	20,085
2007/08	84.0	1,125,000	67.9%	1,656,057
2008/09	72.0	0	56.6%	0
2009/10	60.0	45,000	28.3%	158,982
2010/11	48.0	0	10.9%	0
2011/12	36.0	0	2.2%	0
2012/13	24.0	0	0.0%	0
2013/14	12.0	0	0.0%	0

(3) is from Exhibit MM-Cermak-1.

(4) is from Exhibit MM-Cermak-2.



COOK COUNTY, ILLINOIS
MEDICAL MALPRACTICE - CERMAK HEALTH SERVICES

Exhibit MM-Cermak-4

Developed Limited Reported Incurred Losses

Claim Period (1)	Months of Development 11/30/14 (2)	Limited Reported Incurred Losses 11/30/14 (3)	Percent Losses Reported (4)	Developed Limited Reported Incurred Losses (3)/(4) (5)
to 1994/95	240.0	\$258,600	100.0%	\$258,600
1995/96	228.0	8,000,000	100.0%	8,000,000
1996/97	216.0	0	100.0%	0
1997/98	204.0	503,400	100.0%	503,400
1998/99	192.0	50,000	100.0%	50,000
1999/00	180.0	2,250,000	100.0%	2,250,000
2000/01	168.0	950,000	100.0%	950,000
2001/02	156.0	1,213,000	100.0%	1,213,000
2002/03	144.0	22,000	100.0%	22,000
2003/04	132.0	3,408,500	100.0%	3,408,500
2004/05	120.0	18,000	100.0%	18,000
2005/06	108.0	1,028,000	99.0%	1,038,280
2006/07	96.0	16,100	97.5%	16,505
2007/08	84.0	1,125,000	95.6%	1,176,360
2008/09	72.0	0	93.8%	0
2009/10	60.0	1,845,000	89.3%	2,066,205
2010/11	48.0	50,000	83.1%	60,194
2011/12	36.0	1,600,000	75.5%	2,118,840
2012/13	24.0	220,000	62.9%	349,609
2013/14	12.0	0	42.0%	0

(3) is from Exhibit MM-Cermak-1.

(4) is from Exhibit MM-Cermak-2.



COOK COUNTY, ILLINOIS
 MEDICAL MALPRACTICE - CERMAK HEALTH SERVICES

Exhibit MM-Cermak-5

Developed Limited Case Reserves

Claim Period (1)	Months of Development 11/30/14 (2)	Percent Losses Paid (3)	Percent Losses Reported (4)	Percent Losses Reserved 11/30/14 [(4)-(3)]/ [100.0%-(3)] (5)	Limited Paid Losses 11/30/14 (6)	Limited Case Reserves 11/30/14 (7)	Developed Limited Case Reserves (6)+(7)/(5) (8)
to 1994/95	240.0	100.0%	100.0%	100.0%	\$258,600	\$0	\$258,600
1995/96	228.0	100.0%	100.0%	100.0%	8,000,000	0	8,000,000
1996/97	216.0	100.0%	100.0%	100.0%	0	0	0
1997/98	204.0	100.0%	100.0%	100.0%	503,400	0	503,400
1998/99	192.0	100.0%	100.0%	100.0%	50,000	0	50,000
1999/00	180.0	100.0%	100.0%	100.0%	2,250,000	0	2,250,000
2000/01	168.0	100.0%	100.0%	100.0%	950,000	0	950,000
2001/02	156.0	100.0%	100.0%	100.0%	1,213,000	0	1,213,000
2002/03	144.0	100.0%	100.0%	100.0%	22,000	0	22,000
2003/04	132.0	98.0%	100.0%	100.0%	3,408,500	0	3,408,500
2004/05	120.0	94.3%	100.0%	100.0%	18,000	0	18,000
2005/06	108.0	89.8%	99.0%	90.3%	1,028,000	0	1,028,000
2006/07	96.0	80.2%	97.5%	87.6%	16,100	0	16,100
2007/08	84.0	67.9%	95.6%	86.4%	1,125,000	0	1,125,000
2008/09	72.0	56.6%	93.8%	85.6%	0	0	0
2009/10	60.0	28.3%	89.3%	85.1%	45,000	1,800,000	2,160,968
2010/11	48.0	10.9%	83.1%	81.0%	0	50,000	61,732
2011/12	36.0	2.2%	75.5%	75.0%	0	1,600,000	2,134,244
2012/13	24.0	0.0%	62.9%	62.9%	0	220,000	349,646
2013/14	12.0	0.0%	42.0%	41.9%	0	0	0

(3) and (4) are from Exhibit MM-Cermak-2.

(6) and (7) are from Exhibit MM-Cermak-1.



COOK COUNTY, ILLINOIS
 MEDICAL MALPRACTICE - CERMAK HEALTH SERVICES

Exhibit MM-Cermak-6

Preliminary Projected Ultimate Limited Losses to 2013/14

Claim Period (1)	Developed Limited Paid Losses (2)	Developed Limited Reported Incurred Losses (3)	Developed Limited Case Reserves (4)	Preliminary Projected Ultimate Limited Losses (5)
to 1994/95	\$258,600	\$258,600	\$258,600	\$258,600
1995/96	8,000,000	8,000,000	8,000,000	8,000,000
1996/97	0	0	0	0
1997/98	503,400	503,400	503,400	503,400
1998/99	50,000	50,000	50,000	50,000
1999/00	2,250,000	2,250,000	2,250,000	2,250,000
2000/01	950,000	950,000	950,000	950,000
2001/02	1,213,000	1,213,000	1,213,000	1,213,000
2002/03	22,000	22,000	22,000	22,000
2003/04	3,476,670	3,408,500	3,408,500	3,408,500
2004/05	19,094	18,000	18,000	18,000
2005/06	1,145,028	1,038,280	1,028,000	1,028,000
2006/07	20,085	16,505	16,100	16,100
2007/08	1,656,057	1,176,360	1,125,000	1,125,000
2008/09	0	0	0	0
2009/10	158,982	2,066,205	2,160,968	2,123,063
2010/11	0	60,194	61,732	55,000
2011/12	0	2,118,840	2,134,244	1,760,000
2012/13	0	349,609	349,646	279,702
2013/14	0	0	0	0

(2) is from Exhibit MM-Cermak-3.

(3) is from Exhibit MM-Cermak-4.

(4) is from Exhibit MM-Cermak-5.

(5) is based on (2) to (4) and actuarial judgment.



Bornhuetter - Ferguson Analysis

I. A-priori Loss Rate

Claim Period (1)	Preliminary Projected Ultimate Limited Losses (2)	Occupied Bed Equivalents (3)	Limited Loss Rate per Occupied Bed Equivalent (2)/(3) (4)	Loss Rate Trend (2014/15 = 1.000) (5)	Trended Limited Loss Rate per Occupied Bed Equivalent (4)X(5) (6)	Projected A-priori Loss Rate per Occupied Bed Equivalent (7)/(5) (8)
2004/05	\$18,000	775	\$23.22	1.510	\$35.06	\$714.76
2005/06	1,028,000	752	1,366.85	1.452	1,984.37	743.35
2006/07	16,100	625	25.77	1.396	35.98	773.09
2007/08	1,125,000	792	1,420.74	1.342	1,906.99	804.01
2008/09	0	792	0.00	1.291	0.00	836.17
2009/10	2,123,063	792	2,681.17	1.230	3,298.75	877.14
2010/11	55,000	792	69.46	1.152	80.04	936.54
2011/12	1,760,000	959	1,835.27	1.108	2,033.46	974.00
2012/13	279,702	892	313.67	1.078	337.99	1,001.52
2013/14	0	892	0.00	1.040	0.00	1,037.67

(7) Projected 2014/15 a-priori loss rate per Occupied Bed Equivalent \$1,079.18

II. Bornhuetter - Ferguson Analysis Based on Limited Paid Losses

Claim Period (1)	Limited Paid Losses 11/30/14 (2)	Percent Losses Paid (3)	Projected A-priori Loss Rate per Occupied Bed Equivalent (4)	Occupied Bed Equivalents (5)	B-F Unpaid Losses [100.0%-(3)] X(4)X(5) (6)	B-F Ultimate Limited Paid Losses (2)+(6) (7)
2009/10	\$45,000	28.3%	\$877.14	792	\$497,961	\$542,961
2010/11	0	10.9%	936.54	792	660,855	660,855
2011/12	0	2.2%	974.00	959	913,715	913,715
2012/13	0	0.0%	1,001.52	892	892,910	892,910
2013/14	0	0.0%	1,037.67	892	925,228	925,228

III. Bornhuetter - Ferguson Analysis Based on Limited Reported Incurred Losses

Claim Period (1)	Limited Reported Incurred Losses 11/30/14 (2)	Percent Losses Reported (3)	Projected A-priori Loss Rate per Occupied Bed Equivalent (4)	Occupied Bed Equivalents (5)	B-F Unreported Losses [100.0%-(3)] X(4)X(5) (6)	B-F Ultimate Limited Reported Losses (2)+(6) (7)
2009/10	\$1,845,000	89.3%	\$877.14	792	\$74,358	\$1,919,358
2010/11	50,000	83.1%	936.54	792	125,593	175,593
2011/12	1,600,000	75.5%	974.00	959	228,721	1,828,721
2012/13	220,000	62.9%	1,001.52	892	331,084	551,084
2013/14	0	42.0%	1,037.67	892	537,128	537,128

Section I, (2) is from Exhibit MM-Cermak-6.

Section I, (3), Section II, (5) and Section III, (5) are from Exhibit MM-Cermak-10.

Section I, (5) is based on a 4% trend and adjusted for change in retention.

Section I, (7) is based on Section I, (6) and actuarial judgment.

Sections II and III, (2) are from Exhibit MM-Cermak-1.

Sections II and III, (3) are from Exhibit MM-Cermak-2.

Sections II and III, (4) are from Section I, (8).



Frequency Times Severity Analysis

I. Projected Ultimate Claims

Claim Period (1)	Months of Development 11/30/14 (2)	Reported Claims 11/30/14 (3)	Percent Claims Reported (4)	Projected Ultimate Claims (3)/(4) (5)	Occupied Bed Equivalents (6)	Frequency (per Occupied Bed Equivalent) (5)/(6) (7)
2004/05	120.0	12	100.0%	12	775	0.02
2005/06	108.0	22	100.0%	22	752	0.03
2006/07	96.0	16	100.0%	16	625	0.03
2007/08	84.0	11	100.0%	11	792	0.01
2008/09	72.0	0	100.0%	0	792	0.00
2009/10	60.0	3	100.0%	3	792	0.00
2010/11	48.0	1	100.0%	1	792	0.00
2011/12	36.0	2	98.0%	2	959	0.00
2012/13	24.0	7	93.4%	7	892	0.01
2013/14	12.0	0	76.2%	0	892	0.00

II. Frequency Times Severity

Claim Period (1)	Preliminary Projected Ultimate Limited Losses (2)	Projected Ultimate Claims (3)	Average Severity (2)/(3) (4)	Severity Trend (2014/15 = 1.000) (5)	Trended Average Claim Severity (4)X(5) (6)	De-Trended Projected 2014/15 Average Claim Severity (7)/(5) (8)	Frequency Times Severity (3)X(8) (9)
2004/05	\$18,000	12	\$1,500	1.510	\$2,265	\$159,026	\$1,908,309
2005/06	1,028,000	22	46,727	1.452	67,838	165,387	3,638,510
2006/07	16,100	16	1,006	1.396	1,405	172,002	2,752,036
2007/08	1,125,000	11	102,273	1.342	137,276	178,882	1,967,706
2008/09	0	0	0	1.291	0	186,038	0
2009/10	2,123,063	3	707,688	1.230	870,697	195,153	585,460
2010/11	55,000	1	55,000	1.152	63,377	208,368	208,368
2011/12	1,760,000	2	880,000	1.108	975,032	216,703	433,406
2012/13	279,702	7	39,957	1.078	43,056	222,826	1,559,783
2013/14	0	0	0	1.040	0	230,870	0
	(7) Projected 2014/15 average claim severity				\$240,105		

Section I, (3) is from Exhibit MM-Cermak-1.

Section I, (4) is from Exhibit MM-Cermak-2.

Section I, (6) is from Exhibit MM-Cermak-10.

Section II, (2) is from Exhibit MM-Cermak-6.

Section II, (3) is from Section I, (5).

Section II, (5) is based on a 4% trend and adjusted for change in retention.

Section II, (7) is based on (6) and actuarial judgment.



COOK COUNTY, ILLINOIS
 MEDICAL MALPRACTICE - CERMAK HEALTH SERVICES

Exhibit MM-Cermak-9

Projected Ultimate Limited Losses to 2013/14

Claim Period (1)	Developed Limited Paid Losses (2)	Developed Limited Reported Incurred Losses (3)	Developed Limited Case Reserves (4)	B-F Ultimate Limited Paid Losses (5)	B-F Ultimate Limited Reported Losses (6)	Frequency Times Severity (7)	Prior Projected Ultimate Limited Losses (8)	Projected Ultimate Limited Losses (9)
to 1994/95	\$258,600	\$258,600	\$258,600				\$258,600	\$258,600
1995/96	8,000,000	8,000,000	8,000,000				8,000,000	8,000,000
1996/97	0	0	0					0
1997/98	503,400	503,400	503,400				503,400	503,400
1998/99	50,000	50,000	50,000				50,000	50,000
1999/00	2,250,000	2,250,000	2,250,000				2,250,000	2,250,000
2000/01	950,000	950,000	950,000				950,000	950,000
2001/02	1,213,000	1,213,000	1,213,000				1,213,000	1,213,000
2002/03	22,000	22,000	22,000				22,000	22,000
2003/04	3,476,670	3,408,500	3,408,500				3,408,500	3,408,500
2004/05	19,094	18,000	18,000				18,000	18,000
2005/06	1,145,028	1,038,280	1,028,000				1,028,000	1,028,000
2006/07	20,085	16,505	16,100				300,000	16,100
2007/08	1,656,057	1,176,360	1,125,000				1,200,000	1,125,000
2008/09	0	0	0				850,000	0
2009/10	158,982	2,066,205	2,160,968	542,961	1,919,358	585,460	1,750,000	2,070,000
2010/11	0	60,194	61,732	660,855	175,593	208,368	1,250,000	1,000,000
2011/12	0	2,118,840	2,134,244	913,715	1,828,721	433,406	2,300,000	2,125,000
2012/13	0	349,609	349,646	892,910	551,084	1,559,783	2,000,000	1,750,000
2013/14	0	0	0	925,228	537,128		2,023,000	1,750,000
Total	\$19,722,915 #	\$23,499,493 #	\$23,549,190 #	\$3,935,669 #	\$5,011,885 #	\$2,787,017 #	\$29,374,500 #	\$27,537,600
Total 5 Years	158,982 0	4,594,848 0	4,706,590 0	3,935,669 0	5,011,885 0	2,787,017 0	9,323,000 #	8,695,000

(2) is from Exhibit MM-Cermak-3.

(3) is from Exhibit MM-Cermak-4.

(4) is from Exhibit MM-Cermak-5.

(5) and (6) are from Exhibit MM-Cermak-7.

(7) is from Exhibit MM-Cermak-8.

(8) is based on (2) to (7) and actuarial judgment.



COOK COUNTY, ILLINOIS
 MEDICAL MALPRACTICE - CERMAK HEALTH SERVICES

Exhibit MM-Cermak-10

Projected Ultimate Limited Losses for 2014/15 and Subsequent

Claim Period (1)	Projected Ultimate Limited Losses (2)	Occupied Bed Equivalents (3)	Limited Loss Rate per Occupied Bed Equivalent (2)/(3) (4)	Loss Rate Trend (2014/15 = 1.000) (5)	Trended Limited Loss Rate per Occupied Bed Equivalent (4)X(5) (6)
2004/05	\$18,000	775	\$23.22	1.510	\$35.06
2005/06	1,028,000	752	1,366.85	1.452	1,984.37
2006/07	16,100	625	25.77	1.396	35.98
2007/08	1,125,000	792	1,420.74	1.342	1,906.99
2008/09	0	792	0.00	1.291	0.00
2009/10	2,070,000	792	2,614.16	1.230	3,216.30
2010/11	1,000,000	792	1,262.88	1.152	1,455.23
2011/12	2,125,000	959	2,215.88	1.108	2,455.17
2012/13	1,750,000	892	1,962.50	1.078	2,114.68
2013/14	1,750,000	892	1,962.50	1.040	2,041.00
Total	\$10,882,100	8,062	\$1,349.84		\$1,524.48

Claim Period (1)	Projected Limited Loss Rate per Occupied Bed Equivalent (7)	Projected Occupied Bed Equivalents (8)	Projected Ultimate Limited Losses (7)X(8) (9)	Present Value Factor (10)	Present Value of Projected Limited Loss Rate per Occupied Bed Equivalent (7)X(10) (11)	Present Value of Projected Ultimate Limited Losses (8)X(11) (12)
2014/15	\$2,310.35	895	\$2,068,000	0.81	\$1,880.85	\$1,683,000
2015/16	2,402.76	895	2,151,000	0.81	1,956.08	1,751,000
2016/17	2,498.87	895	2,237,000	0.81	2,034.33	1,821,000

(2) is from Exhibit MM-Cermak-9.

(3) for 2004/05, 2005/06, 2006/07, 2011/12, 2012/13 and 2013/14 were provided by the County. Other periods assume a 0% trend.

(5) is based on a 4% trend and adjusted for change in retention.

(7) for 2014/15 is based on (6) and actuarial judgment.

(7) for 2015/16 and subsequent are based on 2014/15 plus a 4% trend.

(8) to 2014/15 was provided by the County. Other claim periods are based on a 0% trend.

(10) is based on a 3.4% interest rate and the payout pattern in Exhibit MM-Cermak-2.



COOK COUNTY, ILLINOIS
 MEDICAL MALPRACTICE - CERMAK HEALTH SERVICES

Exhibit MM-Cermak-11

Estimated Outstanding Losses as of November 30, 2014

Claim Period (1)	Limited Paid Losses 11/30/14 (2)	Limited Case Reserves 11/30/14 (3)	Limited Reported Incurred Losses 11/30/14 (4)	Projected Ultimate Limited Losses (5)	Estimated IBNR 11/30/14 (5)-(4) (6)	Estimated Outstanding Losses 11/30/14 (3)+(6) (7)	Present Value Factor (8)	Present Value of Estimated Outstanding Losses 11/30/14 (7)X(8) (9)
to 1994/95	\$258,600	\$0	\$258,600	\$258,600	\$0	\$0	1.00	\$0
1995/96	8,000,000	0	8,000,000	8,000,000	0	0	1.00	0
1996/97	0	0	0	0	0	0	1.00	0
1997/98	503,400	0	503,400	503,400	0	0	1.00	0
1998/99	50,000	0	50,000	50,000	0	0	1.00	0
1999/00	2,250,000	0	2,250,000	2,250,000	0	0	1.00	0
2000/01	950,000	0	950,000	950,000	0	0	1.00	0
2001/02	1,213,000	0	1,213,000	1,213,000	0	0	1.00	0
2002/03	22,000	0	22,000	22,000	0	0	1.00	0
2003/04	3,408,500	0	3,408,500	3,408,500	0	0	0.98	0
2004/05	18,000	0	18,000	18,000	0	0	0.97	0
2005/06	1,028,000	0	1,028,000	1,028,000	0	0	0.96	0
2006/07	16,100	0	16,100	16,100	0	0	0.95	0
2007/08	1,125,000	0	1,125,000	1,125,000	0	0	0.95	0
2008/09	0	0	0	0	0	0	0.93	0
2009/10	45,000	1,800,000	1,845,000	2,070,000	225,000	2,025,000	0.93	1,891,986
2010/11	0	50,000	50,000	1,000,000	950,000	1,000,000	0.92	919,196
2011/12	0	1,600,000	1,600,000	2,125,000	525,000	2,125,000	0.90	1,906,932
2012/13	0	220,000	220,000	1,750,000	1,530,000	1,750,000	0.87	1,523,143
2013/14	0	0	0	1,750,000	1,750,000	1,750,000	0.84	1,473,082
Total	\$18,887,600	\$3,670,000	\$22,557,600	\$27,537,600	\$4,980,000	\$8,650,000		\$7,714,339

(2), (3) and (4) are net of specific self insured retention and aggregate retention.

(5) is from Exhibit MM-Cermak-9.

(8) is based on a 3.4% interest rate and the payout pattern in Exhibit MM-Cermak-2.



COOK COUNTY, ILLINOIS
 MEDICAL MALPRACTICE - CERMAK HEALTH SERVICES

Exhibit MM-Cermak-12

Projected Losses Paid December 1, 2014 to November 30, 2015

Claim Period (1)	Months of Development 11/30/14 (2)	Percent Losses Paid (3)	Months of Development 11/30/15 (4)	Percent Losses Paid (5)	Percent Outstanding Losses Paid 12/1/14 to 11/30/15 [(5)-(3)]/ [100.0%-(3)] (6)	Estimated Outstanding Losses 11/30/14 (7)	Projected Losses Paid (6)X(7) (8)	Estimated Outstanding Losses 11/30/15 (7)-(8) (9)	Present Value Factor (10)	Present Value of Estimated Outstanding Losses 11/30/15 (9)X(10) (11)
to 1994/95	240.0	100.0%	252.0	100.0%	100.0%	\$0	\$0	\$0	1.00	\$0
1995/96	228.0	100.0%	240.0	100.0%	100.0%	0	0	0	1.00	0
1996/97	216.0	100.0%	228.0	100.0%	100.0%	0	0	0	1.00	0
1997/98	204.0	100.0%	216.0	100.0%	100.0%	0	0	0	1.00	0
1998/99	192.0	100.0%	204.0	100.0%	100.0%	0	0	0	1.00	0
1999/00	180.0	100.0%	192.0	100.0%	100.0%	0	0	0	1.00	0
2000/01	168.0	100.0%	180.0	100.0%	100.0%	0	0	0	1.00	0
2001/02	156.0	100.0%	168.0	100.0%	100.0%	0	0	0	1.00	0
2002/03	144.0	100.0%	156.0	100.0%	100.0%	0	0	0	1.00	0
2003/04	132.0	98.0%	144.0	100.0%	100.0%	0	0	0	1.00	0
2004/05	120.0	94.3%	132.0	98.0%	65.8%	0	0	0	0.98	0
2005/06	108.0	89.8%	120.0	94.3%	43.9%	0	0	0	0.97	0
2006/07	96.0	80.2%	108.0	89.8%	48.5%	0	0	0	0.96	0
2007/08	84.0	67.9%	96.0	80.2%	38.1%	0	0	0	0.95	0
2008/09	72.0	56.6%	84.0	67.9%	26.1%	0	0	0	0.95	0
2009/10	60.0	28.3%	72.0	56.6%	39.5%	2,025,000	799,472	1,225,528	0.93	1,143,364
2010/11	48.0	10.9%	60.0	28.3%	19.5%	1,000,000	195,465	804,535	0.93	751,688
2011/12	36.0	2.2%	48.0	10.9%	8.9%	2,125,000	189,192	1,935,808	0.92	1,779,387
2012/13	24.0	0.0%	36.0	2.2%	2.2%	1,750,000	37,792	1,712,208	0.90	1,536,501
2013/14	12.0	0.0%	24.0	0.0%	0.0%	1,750,000	159	1,749,841	0.87	1,523,005
2014/15	0.0	0.0%	12.0	0.0%	0.0%	2,068,000	188	2,067,812	0.84	1,740,604
Total						\$10,718,000	\$1,222,268	\$9,495,732		\$8,474,549

(3) and (5) are from Exhibit MM-Cermak-2.

(7) to 2013/14 is from Exhibit MM-Cermak-11. The amount for 2014/15 is from Exhibit MM-Cermak-10.

(10) is based on a 3.4% interest rate and the payout pattern in Exhibit MM-Cermak-2.



COOK COUNTY, ILLINOIS
 MEDICAL MALPRACTICE - CERMAK HEALTH SERVICES

Exhibit MM-Cermak-13

Projected Losses Paid December 1, 2015 to November 30, 2016

Claim Period (1)	Months of Development 11/30/15 (2)	Percent Losses Paid (3)	Months of Development 11/30/16 (4)	Percent Losses Paid (5)	Percent Outstanding Losses Paid 12/1/15 to 11/30/16 [(5)-(3)]/ [100.0%-(3)] (6)	Estimated Outstanding Losses 11/30/15 (7)	Projected Losses Paid (6)X(7) (8)	Estimated Outstanding Losses 11/30/16 (7)-(8) (9)	Present Value Factor (10)	Present Value of Estimated Outstanding Losses 11/30/16 (9)X(10) (11)
to 1994/95	252.0	100.0%	264.0	100.0%	100.0%	\$0	\$0	\$0	1.00	\$0
1995/96	240.0	100.0%	252.0	100.0%	100.0%	0	0	0	1.00	0
1996/97	228.0	100.0%	240.0	100.0%	100.0%	0	0	0	1.00	0
1997/98	216.0	100.0%	228.0	100.0%	100.0%	0	0	0	1.00	0
1998/99	204.0	100.0%	216.0	100.0%	100.0%	0	0	0	1.00	0
1999/00	192.0	100.0%	204.0	100.0%	100.0%	0	0	0	1.00	0
2000/01	180.0	100.0%	192.0	100.0%	100.0%	0	0	0	1.00	0
2001/02	168.0	100.0%	180.0	100.0%	100.0%	0	0	0	1.00	0
2002/03	156.0	100.0%	168.0	100.0%	100.0%	0	0	0	1.00	0
2003/04	144.0	100.0%	156.0	100.0%	100.0%	0	0	0	1.00	0
2004/05	132.0	98.0%	144.0	100.0%	100.0%	0	0	0	1.00	0
2005/06	120.0	94.3%	132.0	98.0%	65.8%	0	0	0	0.98	0
2006/07	108.0	89.8%	120.0	94.3%	43.9%	0	0	0	0.97	0
2007/08	96.0	80.2%	108.0	89.8%	48.5%	0	0	0	0.96	0
2008/09	84.0	67.9%	96.0	80.2%	38.1%	0	0	0	0.95	0
2009/10	72.0	56.6%	84.0	67.9%	26.1%	1,225,528	319,789	905,739	0.95	857,059
2010/11	60.0	28.3%	72.0	56.6%	39.5%	804,535	317,631	486,904	0.93	454,260
2011/12	48.0	10.9%	60.0	28.3%	19.5%	1,935,808	378,383	1,557,425	0.93	1,455,124
2012/13	36.0	2.2%	48.0	10.9%	8.9%	1,712,208	152,440	1,559,768	0.92	1,433,732
2013/14	24.0	0.0%	36.0	2.2%	2.2%	1,749,841	37,789	1,712,052	0.90	1,536,361
2014/15	12.0	0.0%	24.0	0.0%	0.0%	2,067,812	188	2,067,624	0.87	1,799,593
2015/16	0.0	0.0%	12.0	0.0%	0.0%	2,151,000	195	2,150,805	0.84	1,810,464
Total						\$11,646,732	\$1,206,415	\$10,440,317		\$9,346,593

(3) and (5) are from Exhibit MM-Cermak-2.

(7) to 2014/15 is from Exhibit MM-Cermak-12, (9). The amount for 2015/16 is from Exhibit MM-Cermak-10.

(10) is based on a 3.4% interest rate and the payout pattern in Exhibit MM-Cermak-2.



COOK COUNTY, ILLINOIS
 MEDICAL MALPRACTICE - CERMAK HEALTH SERVICES

Exhibit MM-Cermak-14

Projected Losses Paid December 1, 2016 to November 30, 2017

Claim Period (1)	Months of Development 11/30/16 (2)	Percent Losses Paid (3)	Months of Development 11/30/17 (4)	Percent Losses Paid (5)	Percent Outstanding Losses Paid 12/1/16 to 11/30/17 [(5)-(3)]/ [100.0%-(3)] (6)	Estimated Outstanding Losses 11/30/16 (7)	Projected Losses Paid (6)X(7) (8)	Estimated Outstanding Losses 11/30/17 (7)-(8) (9)	Present Value Factor (10)	Present Value of Estimated Outstanding Losses 11/30/17 (9)X(10) (11)
to 1994/95	264.0	100.0%	276.0	100.0%	100.0%	\$0	\$0	\$0	1.00	\$0
1995/96	252.0	100.0%	264.0	100.0%	100.0%	0	0	0	1.00	0
1996/97	240.0	100.0%	252.0	100.0%	100.0%	0	0	0	1.00	0
1997/98	228.0	100.0%	240.0	100.0%	100.0%	0	0	0	1.00	0
1998/99	216.0	100.0%	228.0	100.0%	100.0%	0	0	0	1.00	0
1999/00	204.0	100.0%	216.0	100.0%	100.0%	0	0	0	1.00	0
2000/01	192.0	100.0%	204.0	100.0%	100.0%	0	0	0	1.00	0
2001/02	180.0	100.0%	192.0	100.0%	100.0%	0	0	0	1.00	0
2002/03	168.0	100.0%	180.0	100.0%	100.0%	0	0	0	1.00	0
2003/04	156.0	100.0%	168.0	100.0%	100.0%	0	0	0	1.00	0
2004/05	144.0	100.0%	156.0	100.0%	100.0%	0	0	0	1.00	0
2005/06	132.0	98.0%	144.0	100.0%	100.0%	0	0	0	1.00	0
2006/07	120.0	94.3%	132.0	98.0%	65.8%	0	0	0	0.98	0
2007/08	108.0	89.8%	120.0	94.3%	43.9%	0	0	0	0.97	0
2008/09	96.0	80.2%	108.0	89.8%	48.5%	0	0	0	0.96	0
2009/10	84.0	67.9%	96.0	80.2%	38.1%	905,739	345,372	560,367	0.95	535,004
2010/11	72.0	56.6%	84.0	67.9%	26.1%	486,904	127,052	359,852	0.95	340,511
2011/12	60.0	28.3%	72.0	56.6%	39.5%	1,557,425	614,873	942,552	0.93	879,360
2012/13	48.0	10.9%	60.0	28.3%	19.5%	1,559,768	304,880	1,254,888	0.93	1,172,460
2013/14	36.0	2.2%	48.0	10.9%	8.9%	1,712,052	152,426	1,559,626	0.92	1,433,602
2014/15	24.0	0.0%	36.0	2.2%	2.2%	2,067,624	44,652	2,022,972	0.90	1,815,375
2015/16	12.0	0.0%	24.0	0.0%	0.0%	2,150,805	195	2,150,610	0.87	1,871,821
2016/17	0.0	0.0%	12.0	0.0%	0.0%	2,237,000	203	2,236,797	0.84	1,882,849
Total						\$12,677,317	\$1,589,653	\$11,087,664		\$9,930,982

(3) and (5) are from Exhibit MM-Cermak-2.

(7) to 2015/16 is from Exhibit MM-Cermak-13, (9). The amount for 2016/17 is from Exhibit MM-Cermak-10.

(10) is based on a 3.4% interest rate and the payout pattern in Exhibit MM-Cermak-2.



COOK COUNTY, ILLINOIS
MEDICAL MALPRACTICE - CERMAK HEALTH SERVICES

Exhibit MM-Cermak-15

List of Large Claims
Reported Incurred Losses Greater Than \$1,000,000

Claim Number (1)	Date of Loss (2)	Claim Period (3)	Specific Self-Insured Retention (4)	Unlimited Paid Losses 11/30/14 (5)	Unlimited Case Reserves 11/30/14 (6)	Unlimited Reported Incurred Losses 11/30/14 (7)
97004871	1/5/2004	2003/04	\$20,000,000	\$2,500,000	\$0	\$2,500,000
97006724	9/3/2006	2005/06	20,000,000	1,000,000	0	1,000,000
97007443	12/21/2007	2007/08	20,000,000	1,000,000	0	1,000,000
97008627	12/19/2009	2009/10	20,000,000	0	1,000,000	1,000,000
97009379	1/15/2012	2011/12	40,000,000	0	1,500,000	1,500,000

Amounts are gross of excess insurance.

The claim(s) indicated by a "*" have been limited in development.

(1) through (7) were provided by the County.



COOK COUNTY, ILLINOIS
MEDICAL MALPRACTICE - CERMAK HEALTH SERVICES

Exhibit MM-Cermak-16

Calculation of Occupied Bed Equivalents

Claim Period (1)	Inpatients (2)	ER Visits (3)	Other Visits (4)	Other Visits (5)	Other Visits (6)	Physicians (7)	Occupied Bed Equivalents (8)
to 1994/95							
1995/96							
1996/97							
1997/98							
1998/99							
1999/00							
2000/01							
2001/02							
2002/03							
2003/04	615	37,188	42,405	42,050	1,175	33	813
2004/05	584	33,691	47,114	37,977	1,057	33	775
2005/06	592	31,496	50,948	32,574	1,105	23	752
2006/07	512	22,505	43,250	28,912	802	14	625
2007/08							
2008/09							
2009/10							
2010/11							
2011/12	773	24,144	62,000	43,000		35	959
2012/13	713	23,909	28,000	60,000		35	892
2013/14	713	23,909	28,000	60,000		35	892
2014/15	713	31,082	25,353	35,119		35	895

(2) through (7) were provided by the County.

The exposures in (2) through (7) are converted to occupied bed equivalents using the following exposure conversion factors, which were published in the Aon/ASHRM Hospital Professional Liability and Physician Liability Benchmark Analysis published in October 2013. The weight for Housestaff is based on actuarial judgement.

Exposure	Conversion Factor
Inpatients	1.000
ER Visits	0.200 per 100
Other Visits	0.040 per 100
Physicians	2.750
Housestaff	0.800 (residents and interns)



COOK COUNTY, ILLINOIS
 MEDICAL MALPRACTICE - JOHN H. STROGER, JR. HOSPITAL

Exhibit MM-Stroger-1 (page 1)

Data Summary as of November 30, 2014
 Losses Limited to Self-Insured Retention

Claim Period (1)	Specific Self-Insured Retention (2)	Aggregate Retention (3)	Months of Development 11/30/14 (4)	Occupied Bed Equivalents (5)	Reported Claims 11/30/14 (6)	Open Claims 11/30/14 (7)	Limited Paid Losses 11/30/14 (8)	Limited Case Reserves 11/30/14 (9)	Limited Reported Incurred Losses 11/30/14 (10)
to 1994/95	See Note	None	240.0	Not Provided	N/A	1	\$134,629,877	\$5,000,000	\$139,629,877
1995/96	Unlimited	None	228.0	2,505	40	0	16,727,041	0	16,727,041
1996/97	Unlimited	None	216.0	2,408	29	0	11,236,700	0	11,236,700
1997/98	Unlimited	None	204.0	2,380	19	0	30,083,500	0	30,083,500
1998/99	Unlimited	None	192.0	2,328	34	1	9,880,000	3,000,000	12,880,000
1999/00	Unlimited	None	180.0	2,272	30	0	33,190,000	0	33,190,000
2000/01	10,000,000	25,000,000	168.0	2,352	85	0	10,411,000	0	10,411,000
2001/02	15,000,000	50,000,000	156.0	2,442	102	0	23,647,540	0	23,647,540
2002/03	20,000,000	80,000,000	144.0	2,379	78	0	4,268,500	0	4,268,500
2003/04	20,000,000	None	132.0	2,401	106	0	8,377,500	0	8,377,500
2004/05	20,000,000	None	120.0	2,370	72	0	19,606,850	0	19,606,850
2005/06	20,000,000	None	108.0	2,282	63	1	10,575,000	12,000,000	22,575,000
2006/07	20,000,000	None	96.0	2,131	42	0	4,750,000	0	4,750,000
2007/08	20,000,000	None	84.0	2,195	29	2	7,002,000	2,500,000	9,502,000
2008/09	20,000,000	None	72.0	2,280	30	5	4,105,000	5,600,000	9,705,000
2009/10	40,000,000	None	60.0	2,257	27	4	6,807,500	4,050,000	10,857,500
2010/11	40,000,000	None	48.0	2,159	36	11	2,850,000	8,205,000	11,055,000
2011/12	40,000,000	None	36.0	2,171	31	15	20,824,999	16,202,000	37,026,999
2012/13	30,000,000	None	24.0	2,191	33	33	850,000	10,880,000	11,730,000
2013/14	30,000,000	None	12.0	2,226	32	32	0	1,460,000	1,460,000
Total					918	105	\$359,823,007	\$68,897,000	\$428,720,007

* The specific self-insured retention changes are as follows:

Effective Date	Retention
12/01/75	Unlimited
12/01/00	10,000,000
12/01/01	15,000,000
12/01/02	20,000,000
03/01/10	40,000,000
03/01/13	30,000,000

(8), (9) and (10) are net of the specific self-insured retention and other recoveries.

Data was provided by the County.



COOK COUNTY, ILLINOIS
 MEDICAL MALPRACTICE - JOHN H. STROGER, JR. HOSPITAL

Exhibit MM-Stroger-1 (page 2)

Data Summary as of November 30, 2014
 Unlimited Losses

Claim Period (1)	Specific Self-Insured Retention (2)	Aggregate Retention (3)	Months of Development 11/30/14 (4)	Occupied Bed Equivalents (5)	Reported Claims 11/30/14 (6)	Open Claims 11/30/14 (7)	Unlimited Paid Losses 11/30/14 (8)	Unlimited Case Reserves 11/30/14 (9)	Unlimited Reported Incurred Losses 11/30/14 (10)
to 1994/95	Unlimited	None	240.0	Not Provided	N/A	1	\$134,629,877	\$5,000,000	\$139,629,877
1995/96	Unlimited	None	228.0	2,505	40	0	16,727,041	0	16,727,041
1996/97	Unlimited	None	216.0	2,408	29	0	11,236,700	0	11,236,700
1997/98	Unlimited	None	204.0	2,380	19	0	30,083,500	0	30,083,500
1998/99	Unlimited	None	192.0	2,328	34	1	9,880,000	3,000,000	12,880,000
1999/00	Unlimited	None	180.0	2,272	30	0	33,190,000	0	33,190,000
2000/01	Unlimited	25,000,000	168.0	2,352	85	0	10,411,000	0	10,411,000
2001/02	Unlimited	50,000,000	156.0	2,442	102	0	23,647,540	0	23,647,540
2002/03	Unlimited	80,000,000	144.0	2,379	78	0	4,268,500	0	4,268,500
2003/04	Unlimited	None	132.0	2,401	106	0	8,377,500	0	8,377,500
2004/05	Unlimited	None	120.0	2,370	72	0	19,606,850	0	19,606,850
2005/06	Unlimited	None	108.0	2,282	63	1	10,575,000	12,000,000	22,575,000
2006/07	Unlimited	None	96.0	2,131	42	0	4,750,000	0	4,750,000
2007/08	Unlimited	None	84.0	2,195	29	2	7,002,000	2,500,000	9,502,000
2008/09	Unlimited	None	72.0	2,280	30	5	4,105,000	5,600,000	9,705,000
2009/10	Unlimited	None	60.0	2,257	27	4	6,807,500	4,050,000	10,857,500
2010/11	Unlimited	None	48.0	2,159	36	11	2,850,000	8,205,000	11,055,000
2011/12	Unlimited	None	36.0	2,171	31	15	20,824,999	16,202,000	37,026,999
2012/13	Unlimited	None	24.0	2,191	33	33	850,000	10,880,000	11,730,000
2013/14	Unlimited	None	12.0	2,226	32	32	0	1,460,000	1,460,000
Total					918	105	\$359,823,007	\$68,897,000	\$428,720,007

(8), (9) and (10) are gross of the specific self-insured retention and other recoveries.

Data was provided by the County.



COOK COUNTY, ILLINOIS
 MEDICAL MALPRACTICE - JOHN H. STROGER, JR. HOSPITAL

Summary of Percent Losses Paid, Losses Reported and Claims Reported

Months of Development (1)	Percent Losses Paid (2)	Percent Losses Reported (3)	Percent Claims Reported (4)	Months of Development (5)	Percent Losses Paid (6)	Percent Losses Reported (7)	Percent Claims Reported (8)
360.0	100.0%	100.0%	100.0%	354.0	100.0%	100.0%	100.0%
348.0	100.0%	100.0%	100.0%	342.0	100.0%	100.0%	100.0%
336.0	100.0%	100.0%	100.0%	330.0	100.0%	100.0%	100.0%
324.0	100.0%	100.0%	100.0%	318.0	100.0%	100.0%	100.0%
312.0	100.0%	100.0%	100.0%	306.0	100.0%	100.0%	100.0%
300.0	100.0%	100.0%	100.0%	294.0	100.0%	100.0%	100.0%
288.0	100.0%	100.0%	100.0%	282.0	100.0%	100.0%	100.0%
276.0	100.0%	100.0%	100.0%	270.0	100.0%	100.0%	100.0%
264.0	100.0%	100.0%	100.0%	258.0	100.0%	100.0%	100.0%
252.0	100.0%	100.0%	100.0%	246.0	100.0%	100.0%	100.0%
240.0	100.0%	100.0%	100.0%	234.0	100.0%	100.0%	100.0%
228.0	100.0%	100.0%	100.0%	222.0	100.0%	100.0%	100.0%
216.0	100.0%	100.0%	100.0%	210.0	100.0%	100.0%	100.0%
204.0	100.0%	100.0%	100.0%	198.0	100.0%	100.0%	100.0%
192.0	100.0%	100.0%	100.0%	186.0	100.0%	100.0%	100.0%
180.0	100.0%	100.0%	100.0%	174.0	100.0%	100.0%	100.0%
168.0	100.0%	100.0%	100.0%	162.0	100.0%	100.0%	100.0%
156.0	100.0%	100.0%	100.0%	150.0	100.0%	100.0%	100.0%
144.0	100.0%	100.0%	100.0%	138.0	99.0%	100.0%	100.0%
132.0	98.0%	100.0%	100.0%	126.0	96.2%	100.0%	100.0%
120.0	94.3%	100.0%	100.0%	114.0	92.0%	99.5%	100.0%
108.0	89.8%	99.0%	100.0%	102.0	85.0%	98.3%	100.0%
96.0	80.2%	97.5%	100.0%	90.0	74.0%	96.4%	100.0%
84.0	67.9%	95.2%	100.0%	78.0	62.3%	94.0%	100.0%
72.0	56.6%	92.8%	100.0%	66.0	42.5%	90.6%	100.0%
60.0	28.3%	88.4%	100.0%	54.0	19.6%	85.3%	100.0%
48.0	10.9%	82.3%	100.0%	42.0	6.5%	77.7%	99.5%
36.0	2.2%	73.1%	99.0%	30.0	1.1%	67.0%	97.6%
24.0	0.0%	60.9%	96.1%	18.0	0.0%	50.8%	88.1%
12.0	0.0%	40.6%	80.1%	6.0	0.0%	20.3%	40.1%

(2) is from Exhibit MM-Stroger-2 (page 2).

(3) is from Exhibit MM-Stroger-2 (page 3).

(4) is from Exhibit MM-Stroger-2 (page 4).

(6), (7) and (8) are interpolated, based on (2), (3) and (4), respectively.



COOK COUNTY, ILLINOIS
MEDICAL MALPRACTICE - JOHN H. STROGER, JR. HOSPITAL

Historical Limited Paid Losses (\$000) and Limited Paid Loss Development

Claim Period	Months of Development:												240									
	12	24	36	48	60	72	84	96	108	120	132	144		156	168	180	192	204	216	228		
to 1994/95																						
1995/96	0	10	60	473	1,683	3,283	3,283	7,907	8,287	9,552	15,237	15,237	16,727	16,727	16,727	16,727	16,727	16,727	16,727	16,727	16,727	\$134,630
1996/97	0	0	450	505	1,705	2,487	2,487	2,487	3,287	3,287	4,387	4,387	11,137	11,137	11,237	11,237	11,237	11,237	11,237	11,237	11,237	
1997/98	4	4	4	1,759	5,234	13,209	16,459	19,209	21,959	25,654	28,564	28,564	30,084	30,084	30,084	30,084	30,084	30,084	30,084	30,084	30,084	
1998/99	0	0	0	0	2,055	5,830	7,180	8,460	8,460	9,860	9,860	9,860	9,860	9,860	9,860	9,860	9,860	9,860	9,860	9,860	9,860	
1999/00	0	12,065	16,180	16,715	16,715	20,895	23,095	33,095	33,190	33,190	33,190	33,190	33,190	33,190	33,190	33,190	33,190	33,190	33,190	33,190	33,190	
2000/01	0	0	156	206	701	3,411	3,411	3,411	3,411	10,411	10,411	10,411	10,411	10,411	10,411	10,411	10,411	10,411	10,411	10,411	10,411	
2001/02	0	30	9,350	12,298	14,648	14,648	23,648	23,648	23,648	23,648	23,648	23,648	23,648	23,648	23,648	23,648	23,648	23,648	23,648	23,648	23,648	
2002/03	10	11	1,260	1,260	3,176	3,441	3,841	3,841	3,841	4,269	4,269	4,269	4,269	4,269	4,269	4,269	4,269	4,269	4,269	4,269	4,269	
2003/04	0	0	0	2,403	7,428	7,428	8,228	8,228	8,228	8,378	8,378	8,378	8,378	8,378	8,378	8,378	8,378	8,378	8,378	8,378	8,378	
2004/05	0	0	0	5,667	16,557	18,607	18,607	18,607	18,607	18,607	18,607	18,607	18,607	18,607	18,607	18,607	18,607	18,607	18,607	18,607	18,607	
2005/06	0	0	500	500	6,750	9,200	9,880	9,880	9,880	10,505	10,505	10,505	10,505	10,505	10,505	10,505	10,505	10,505	10,505	10,505	10,505	
2006/07	0	0	0	10	2,000	2,000	2,000	4,750	4,750	7,002	7,002	7,002	7,002	7,002	7,002	7,002	7,002	7,002	7,002	7,002	7,002	
2007/08	0	2	2	2,552	4,602	4,602	4,602	4,602	4,602	4,602	4,602	4,602	4,602	4,602	4,602	4,602	4,602	4,602	4,602	4,602	4,602	
2008/09	0	0	2,445	2,855	2,855	4,105	4,105	4,105	4,105	4,105	4,105	4,105	4,105	4,105	4,105	4,105	4,105	4,105	4,105	4,105	4,105	
2009/10	0	0	0	1,518	6,808	6,808	6,808	6,808	6,808	6,808	6,808	6,808	6,808	6,808	6,808	6,808	6,808	6,808	6,808	6,808	6,808	
2010/11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2011/12	0	20,100	0	2,850	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2012/13	0	850	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2013/14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

II. Limited Paid Loss Development

Claim Period	Months of Development:												240-Ult									
	12-24	24-36	36-48	48-60	60-72	72-84	84-96	96-108	108-120	120-132	132-144	144-156		156-168	168-180	180-192	192-204	204-216	216-228	228-240		
to 1994/95																						
1995/96		6,000	7,875	3,561	1,951	1,000	2,378	1,061	1,153	1,594	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
1996/97		1,000	1,122	3,376	1,456	1,000	1,000	1,322	1,000	1,335	2,539	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
1997/98	1,000		502,429	2,976	2,524	1,246	1,867	1,743	1,176	1,106	1,052	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
1998/99		1,000	1,341	1,033	2,837	1,232	1,818	1,000	1,165	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
1999/00		1,000	1,321	3,403	1,232	1,121	1,433	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
2000/01			311,667	1,315	4,438	1,096	1,000	1,000	3,052	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
2001/02	1,100	114,500	1,000	2,521	1,191	1,614	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
2002/03			1,000	3,092	1,083	1,108	1,026	1,084	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
2003/04			1,000	2,922	1,124	1,116	1,018	1,000	1,054	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
2004/05		1,000	1,000	13,500	1,363	1,074	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
2005/06		1,000	1,000	200,000	1,000	2,375	1,000	1,007	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
2006/07		1,000	1276,000	1,803	1,522	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
2008/09			1,168	4,486	1,438	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
2010/11		1,036																				
2011/12																						
2012/13																						
2013/14																						
Average																						
All	1,050	20,756	210,492	17,499	1,726	1,229	1,189	1,056	1,260	1,115	1,199	1,014	1,001	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
Wtd 3	#DIV/0!	1,036	2,954	2,060	1,386	1,188	1,019	1,002	1,032	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
Last 3				2,430	1,320	1,483	1,021	1,002	1,016	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
Last 5				6,596	1,308	1,061	1,015	1,002	1,016	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
x-tilt,low																						
Similar	6,500	3,400	2,100	1,640	1,360	1,170	1,100	1,060	1,050	1,100	1,020	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
Previous	2,000	120,000	5,000	2,600	2,000	1,200	1,180	1,120	1,050	1,040	1,020	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
Selected	2,000	120,000	5,000	2,600	2,000	1,200	1,180	1,120	1,050	1,040	1,020	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
Cumulative	#####	551,359	45,928	9,186	3,533	1,766	1,472	1,248	1,114	1,061	1,020	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
Percent	0.0%	0.0%	2.2%	10.9%	28.3%	56.6%	67.9%	80.2%	89.8%	94.3%	98.0%	98.0%	98.0%	98.0%	98.0%	98.0%	98.0%	98.0%	98.0%	98.0%	98.0%	100.0%

Amounts are limited (net of excess insurance).

Data was provided by the County.



COOK COUNTY, ILLINOIS
MEDICAL MALPRACTICE - JOHN H. STROGER, JR. HOSPITAL

Historical Limited Reported Incurred Losses (\$000) and Limited Reported Incurred Loss Development

I. Historical Limited Reported Incurred Losses (\$000)

Claim Period	Months of Development:																					
	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204	216	228	240		
to 1/994/95																						
1995/96	3,200	7,795	8,680	8,858	15,008	16,658	15,683	14,007	13,197	16,237	16,237	17,237	16,727	16,727	16,727	16,727	16,727	16,727	16,727	16,727	16,727	16,727
1996/97	450	6,700	3,360	5,855	5,405	10,937	10,437	10,487	16,987	20,687	13,187	11,437	11,437	11,237	11,237	11,237	11,237	11,237	11,237	11,237	11,237	11,237
1997/98	4,904	13,629	16,684	21,709	29,384	29,239	29,159	30,309	29,809	28,934	28,164	30,064	30,064	30,064	30,064	30,064	30,064	30,064	30,064	30,064	30,064	30,064
1998/99	750	13,625	15,860	14,770	14,235	14,930	15,680	14,460	11,980	9,860	9,860	9,860	9,860	9,860	9,860	9,860	9,860	9,860	9,860	9,860	9,860	9,860
1999/00	14,495	22,310	28,975	36,030	41,880	41,195	35,595	41,595	41,190	33,190	33,190	33,190	33,190	33,190	33,190	33,190	33,190	33,190	33,190	33,190	33,190	33,190
2000/01	7,711	5,853	7,293	7,316	7,461	14,911	14,411	14,411	13,411	10,411	10,411	10,411	10,411	10,411	10,411	10,411	10,411	10,411	10,411	10,411	10,411	10,411
2001/02	31,720	21,740	26,658	21,910	21,848	27,298	24,398	24,398	23,648	23,648	23,648	23,648	23,648	23,648	23,648	23,648	23,648	23,648	23,648	23,648	23,648	23,648
2002/03	23,376	12,966	3,125	6,015	4,176	4,741	4,641	4,289	4,289	4,289	4,289	4,289	4,289	4,289	4,289	4,289	4,289	4,289	4,289	4,289	4,289	4,289
2003/04	18,101	25,664	15,630	24,283	13,178	13,078	8,878	8,878	8,878	8,878	8,878	8,878	8,878	8,878	8,878	8,878	8,878	8,878	8,878	8,878	8,878	8,878
2004/05	4,895	21,325	20,275	22,752	20,237	19,357	18,607	19,607	19,607	19,607	19,607	19,607	19,607	19,607	19,607	19,607	19,607	19,607	19,607	19,607	19,607	19,607
2005/06	9,265	29,290	19,790	21,550	12,950	4,310	4,800	4,750	4,750	4,750	4,750	4,750	4,750	4,750	4,750	4,750	4,750	4,750	4,750	4,750	4,750	4,750
2006/07	6,605	9,080	4,115	4,325	4,310	4,800	4,800	4,800	4,800	4,800	4,800	4,800	4,800	4,800	4,800	4,800	4,800	4,800	4,800	4,800	4,800	4,800
2007/08	23,742	11,027	15,777	17,052	11,502	9,705	9,705	9,705	9,705	9,705	9,705	9,705	9,705	9,705	9,705	9,705	9,705	9,705	9,705	9,705	9,705	9,705
2008/09	5,085	5,740	9,275	9,955	10,858	10,858	10,858	10,858	10,858	10,858	10,858	10,858	10,858	10,858	10,858	10,858	10,858	10,858	10,858	10,858	10,858	10,858
2009/10	4,510	6,178	11,800	14,368	10,858	10,858	10,858	10,858	10,858	10,858	10,858	10,858	10,858	10,858	10,858	10,858	10,858	10,858	10,858	10,858	10,858	10,858
2010/11	8,480	770	3,850	8,480	11,065	11,065	11,065	11,065	11,065	11,065	11,065	11,065	11,065	11,065	11,065	11,065	11,065	11,065	11,065	11,065	11,065	11,065
2011/12	23,793	32,172	37,027	37,027	37,027	37,027	37,027	37,027	37,027	37,027	37,027	37,027	37,027	37,027	37,027	37,027	37,027	37,027	37,027	37,027	37,027	37,027
2012/13	6,655	11,730																				
2013/14	1,460																					

II. Limited Reported Incurred Loss Development

Claim Period	Months of Development:																					
	12-24	24-36	36-48	48-60	60-72	72-84	84-96	96-108	108-120	120-132	132-144	144-156	156-168	168-180	180-192	192-204	204-216	216-228	228-240	240-Ult		
to 1/994/95																						
1995/96	2,436	1,114	1,020	1,706	1,103	0,941	0,893	0,942	1,368	0,899	1,062	0,971	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
1996/97	14,889	9,501	1,743	0,923	2,023	0,964	1,005	1,620	1,218	0,637	0,867	0,971	0,963	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
1997/98	1,942	1,785	1,664	1,060	0,996	0,987	0,989	0,984	0,971	1,009	1,031	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
1998/99	18,167	1,164	0,931	0,965	1,047	1,050	0,923	0,827	0,825	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
1999/00	1,539	1,281	1,163	0,983	0,983	0,864	1,169	0,990	0,806	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
2000/01	0,759	1,246	1,003	1,020	1,999	0,966	1,000	0,931	0,776	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
2001/02	0,685	1,226	0,822	0,987	1,249	0,894	0,969	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
2002/03	0,554	0,241	1,925	0,694	1,135	0,979	0,924	0,995	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
2003/04	1,418	0,609	1,554	0,543	0,992	0,686	0,989	0,944	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
2004/05	4,356	0,951	1,122	0,889	0,906	0,957	0,961	1,054	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
2005/06	3,161	0,676	1,089	0,601	0,906	0,906	0,906	0,906	0,906	0,906	0,906	0,906	0,906	0,906	0,906	0,906	0,906	0,906	0,906	0,906	0,906	
2006/07	1,375	0,453	1,051	0,997	1,137	0,969	0,880	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
2007/08	0,464	1,431	1,081	0,675	0,939	0,880	0,880	0,880	0,880	0,880	0,880	0,880	0,880	0,880	0,880	0,880	0,880	0,880	0,880	0,880	0,880	
2008/09	1,129	1,616	1,073	0,930	1,049	1,049	1,049	1,049	1,049	1,049	1,049	1,049	1,049	1,049	1,049	1,049	1,049	1,049	1,049	1,049	1,049	
2009/10	1,370	1,910	1,218	0,756	1,049	1,049	1,049	1,049	1,049	1,049	1,049	1,049	1,049	1,049	1,049	1,049	1,049	1,049	1,049	1,049	1,049	
2010/11	5,000	2,203	1,304	0,756	1,049	1,049	1,049	1,049	1,049	1,049	1,049	1,049	1,049	1,049	1,049	1,049	1,049	1,049	1,049	1,049	1,049	
2011/12	1,352	1,151																				
2012/13	1,763																					
2013/14																						

Average All
Wtd 3
Last 3
Last 5
x-Hi/low

Similar	3,600	2,100	1,400	1,140	1,040	1,003	1,002	1,001	1,001	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
Previous	1,500	1,200	1,100	1,075	1,050	1,025	1,025	1,015	1,010	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
Selected	1,500	1,200	1,125	1,075	1,050	1,025	1,025	1,015	1,010	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
Cumulative	2,462	1,641	1,368	1,216	1,131	1,077	1,051	1,025	1,010	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
Percent	40.6%	60.9%	73.1%	82.3%	88.4%	92.8%	95.2%	97.5%	99.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Amounts are limited (net of excess insurance).
Data was provided by the County.



COOK COUNTY, ILLINOIS
 MEDICAL MALPRACTICE - JOHN H. STROGER, JR. HOSPITAL
 Historical Reported Claims and Reported Claim Development

I. Historical Reported Claims

Claim Period	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204	216	228	240	
to 1/9/94/95																					
1995/96	6	27	33	33	34	35	38	39	40	40	40	40	40	40	40	40	40	40	40	40	40
1996/97	9	23	27	27	28	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29
1997/98	7	15	16	16	16	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19
1998/99	8	30	31	33	33	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34
1999/00	9	26	29	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
2000/01	63	77	84	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85
2001/02	80	101	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102
2002/03	74	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78
2003/04	70	106	106	106	106	106	106	106	106	106	106	106	106	106	106	106	106	106	106	106	106
2004/05	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72
2005/06	54	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63
2006/07	38	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
2007/08	24	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29
2008/09	29	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
2009/10	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
2010/11	31	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
2011/12	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
2012/13	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33
2013/14	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32

II. Reported Claim Development

Claim Period	12-24	24-36	36-48	48-60	60-72	72-84	84-96	96-108	108-120	120-132	132-144	144-156	156-168	168-180	180-192	192-204	204-216	216-228	228-240	240-Ult		
to 1/9/94/95																						
1995/96	4,500	1,222	1,000	1,030	1,029	1,086	1,026	1,026	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
1996/97	7,667	1,174	1,000	1,037	1,036	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
1997/98	2,143	1,200	1,000	1,000	1,056	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
1998/99	3,750	1,033	1,065	1,000	1,030	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
1999/00	2,889	1,115	1,034	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
2000/01	1,222	1,091	1,012	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
2001/02	1,263	1,010	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
2002/03	1,114	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
2003/04	1,432	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
2004/05	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
2005/06	1,167	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
2006/07	1,208	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
2007/08	1,034	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
2008/09	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
2009/10	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
2010/11	1,161	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
2011/12	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
2012/13	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
2013/14	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
Average All	1,981	1,050	1,007	1,004	1,011	1,007	1,002	1,002	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
Wtd 3	1,053	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
Last 3	1,034	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
Last 5 x-til-low	1,011	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
Similar	1,225	1,035	1,015	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
Selected	1,200	1,030	1,010	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
Cumulative	1,248	1,040	1,010	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
Percent	80.1%	96.1%	99.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Data was provided by the County.



COOK COUNTY, ILLINOIS
MEDICAL MALPRACTICE - JOHN H. STROGER, JR. HOSPITAL

Historical Ratio of Limited Paid Losses and Limited Reported Incurred Losses

Claim Period	Months of Development:																					
	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204	216	228	240		
to 1/994/05																						
1995/06	0.1%	0.1%	0.7%	5.3%	11.1%	19.7%	20.9%	55.7%	62.8%	52.9%	93.8%	88.4%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	96.4%	
1996/07	0.0%	0.0%	13.4%	8.6%	31.5%	22.7%	23.8%	23.7%	19.3%	15.9%	33.3%	97.4%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	
1997/08	0.1%	0.0%	0.0%	6.3%	17.8%	45.1%	56.4%	63.4%	73.7%	85.3%	97.9%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	
1998/09	0.0%	0.0%	0.0%	0.0%	14.4%	39.0%	45.8%	56.4%	70.8%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	
1999/00	0.0%	0.0%	44.2%	44.9%	39.9%	50.0%	64.9%	79.6%	80.6%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	
2000/01	0.0%	0.0%	2.1%	2.8%	9.4%	20.9%	23.7%	23.7%	25.4%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	
2001/02	0.0%	0.0%	0.0%	42.7%	56.3%	53.7%	96.9%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	
2002/03	0.0%	0.1%	40.3%	20.9%	76.1%	72.6%	82.8%	91.8%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	
2003/04	0.0%	0.0%	0.0%	9.9%	56.4%	56.8%	81.6%	94.4%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	
2004/05	0.0%	0.0%	0.0%	24.9%	81.8%	96.1%	100.0%	94.9%	94.9%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	
2005/06	0.0%	0.0%	2.5%	2.3%	52.1%	78.4%	81.2%	83.5%	46.8%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	
2006/07	0.0%	0.0%	0.0%	0.2%	46.4%	40.8%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	
2007/08	0.0%	0.0%	0.0%	15.0%	40.0%	64.8%	73.7%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	
2008/09	0.0%	0.0%	26.4%	28.7%	30.8%	42.3%	73.7%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	
2009/10	0.0%	0.0%	0.0%	10.6%	62.7%	42.3%	73.7%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	
2010/11	0.0%	0.0%	0.0%	25.8%	62.7%	42.3%	73.7%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	
2011/12	0.0%	0.0%	0.0%	62.5%	62.7%	42.3%	73.7%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	
2012/13	0.0%	0.0%	56.2%	7.2%	62.7%	42.3%	73.7%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	
2013/14	0.0%	0.0%	0.0%	7.2%	62.7%	42.3%	73.7%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	
Average																						
All	0.0%	6.9%	10.8%	15.6%	41.8%	50.2%	67.1%	72.4%	70.4%	85.8%	91.7%	98.2%	99.6%	96.1%	95.3%	94.2%	100.0%	100.0%	100.0%	100.0%	96.4%	
Last 3		23.2%	18.7%	21.7%	44.5%	49.3%	88.3%	92.8%	80.6%	100.0%	100.0%	100.0%	100.0%	92.2%	92.2%	82.2%	100.0%	100.0%	100.0%	100.0%	100.0%	
Last 5		2.4%	8.8%	17.1%	46.2%	61.9%	94.3%	93.7%	98.3%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	
x-high																						
Implicit	0.0%	0.0%	3.0%	13.2%	32.0%	61.0%	71.4%	82.2%	90.7%	94.3%	98.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	



COOK COUNTY, ILLINOIS
 MEDICAL MALPRACTICE - JOHN H. STROGER, JR. HOSPITAL

Exhibit MM-Stroger-3

Developed Limited Paid Losses

Claim Period (1)	Months of Development 11/30/14 (2)	Limited Paid Losses 11/30/14 (3)	Percent Losses Paid (4)	Developed Limited Paid Losses (3)/(4) (5)
to 1994/95	240.0	\$134,629,877	100.0%	\$134,629,877
1995/96	228.0	16,727,041	100.0%	16,727,041
1996/97	216.0	11,236,700	100.0%	11,236,700
1997/98	204.0	30,083,500	100.0%	30,083,500
1998/99	192.0	9,880,000	100.0%	9,880,000
1999/00	180.0	33,190,000	100.0%	33,190,000
2000/01	168.0	10,411,000	100.0%	10,411,000
2001/02	156.0	23,647,540	100.0%	23,647,540
2002/03	144.0	4,268,500	100.0%	4,268,500
2003/04	132.0	8,377,500	98.0%	8,545,050
2004/05	120.0	19,606,850	94.3%	20,798,946
2005/06	108.0	10,575,000	89.8%	11,778,858
2006/07	96.0	4,750,000	80.2%	5,925,629
2007/08	84.0	7,002,000	67.9%	10,307,301
2008/09	72.0	4,105,000	56.6%	7,251,323
2009/10	60.0	6,807,500	28.3%	24,050,368
2010/11	48.0	2,850,000	10.9%	26,178,954
2011/12	36.0	20,824,999	2.2%	57,890,545 *
2012/13	24.0	850,000	0.0%	4,684,654,924
2013/14	12.0	0	0.0%	0

* - Indicates large claim(s) limited to retention. For details, see Exhibit MM-Stroger-15.

(3) is from Exhibit MM-Stroger-1.

(4) is from Exhibit MM-Stroger-2.



COOK COUNTY, ILLINOIS
MEDICAL MALPRACTICE - JOHN H. STROGER, JR. HOSPITAL

Exhibit MM-Stroger-4

Developed Limited Reported Incurred Losses

Claim Period (1)	Months of Development 11/30/14 (2)	Limited Reported Incurred Losses 11/30/14 (3)	Percent Losses Reported (4)	Developed Limited Reported Incurred Losses (3)/(4) (5)
to 1994/95	240.0	\$139,629,877	100.0%	\$139,629,877
1995/96	228.0	16,727,041	100.0%	16,727,041
1996/97	216.0	11,236,700	100.0%	11,236,700
1997/98	204.0	30,083,500	100.0%	30,083,500
1998/99	192.0	12,880,000	100.0%	12,880,000
1999/00	180.0	33,190,000	100.0%	33,190,000
2000/01	168.0	10,411,000	100.0%	10,411,000
2001/02	156.0	23,647,540	100.0%	23,647,540
2002/03	144.0	4,268,500	100.0%	4,268,500
2003/04	132.0	8,377,500	100.0%	8,377,500
2004/05	120.0	19,606,850	100.0%	19,606,850
2005/06	108.0	22,575,000	99.0%	22,800,750
2006/07	96.0	4,750,000	97.5%	4,869,463
2007/08	84.0	9,502,000	95.2%	9,984,500
2008/09	72.0	9,705,000	92.8%	10,452,753
2009/10	60.0	10,857,500	88.4%	12,278,754
2010/11	48.0	11,055,000	82.3%	13,439,764
2011/12	36.0	37,026,999	73.1%	43,287,536 *
2012/13	24.0	11,730,000	60.9%	19,251,505
2013/14	12.0	1,460,000	40.6%	3,594,271

* - Indicates large claim(s) limited to retention. For details, see Exhibit MM-Stroger-15.

(3) is from Exhibit MM-Stroger-1.

(4) is from Exhibit MM-Stroger-2.



COOK COUNTY, ILLINOIS
 MEDICAL MALPRACTICE - JOHN H. STROGER, JR. HOSPITAL

Exhibit MM-Stroger-5

Developed Limited Case Reserves

Claim Period (1)	Months of Development 11/30/14 (2)	Percent Losses Paid (3)	Percent Losses Reported (4)	Percent Losses Reserved 11/30/14 [(4)-(3)]/ [100.0%-(3)] (5)	Limited Paid Losses 11/30/14 (6)	Limited Case Reserves 11/30/14 (7)	Developed Limited Case Reserves (6)+(7)/(5) (8)
to 1994/95	240.0	100.0%	100.0%	100.0%	\$134,629,877	\$5,000,000	\$139,629,877
1995/96	228.0	100.0%	100.0%	100.0%	16,727,041	0	16,727,041
1996/97	216.0	100.0%	100.0%	100.0%	11,236,700	0	11,236,700
1997/98	204.0	100.0%	100.0%	100.0%	30,083,500	0	30,083,500
1998/99	192.0	100.0%	100.0%	100.0%	9,880,000	3,000,000	12,880,000
1999/00	180.0	100.0%	100.0%	100.0%	33,190,000	0	33,190,000
2000/01	168.0	100.0%	100.0%	100.0%	10,411,000	0	10,411,000
2001/02	156.0	100.0%	100.0%	100.0%	23,647,540	0	23,647,540
2002/03	144.0	100.0%	100.0%	100.0%	4,268,500	0	4,268,500
2003/04	132.0	98.0%	100.0%	100.0%	8,377,500	0	8,377,500
2004/05	120.0	94.3%	100.0%	100.0%	19,606,850	0	19,606,850
2005/06	108.0	89.8%	99.0%	90.3%	10,575,000	12,000,000	23,862,180
2006/07	96.0	80.2%	97.5%	87.6%	4,750,000	0	4,750,000
2007/08	84.0	67.9%	95.2%	84.9%	7,002,000	2,500,000	9,945,590
2008/09	72.0	56.6%	92.8%	83.5%	4,105,000	5,600,000	10,810,542
2009/10	60.0	28.3%	88.4%	83.9%	6,807,500	4,050,000	11,637,247
2010/11	48.0	10.9%	82.3%	80.1%	2,850,000	8,205,000	13,094,957
2011/12	36.0	2.2%	73.1%	72.5%	20,824,999	16,202,000	43,167,042
2012/13	24.0	0.0%	60.9%	60.9%	850,000	10,880,000	18,708,547
2013/14	12.0	0.0%	40.6%	40.6%	0	1,460,000	3,594,748

(3) and (4) are from Exhibit MM-Stroger-2.

(6) and (7) are from Exhibit MM-Stroger-1.



COOK COUNTY, ILLINOIS
 MEDICAL MALPRACTICE - JOHN H. STROGER, JR. HOSPITAL

Exhibit MM-Stroger-6

Preliminary Projected Ultimate Limited Losses to 2013/14

Claim Period (1)	Developed Limited Paid Losses (2)	Developed Limited Reported Incurred Losses (3)	Developed Limited Case Reserves (4)	Preliminary Projected Ultimate Limited Losses (5)
to 1994/95	\$134,629,877	\$139,629,877	\$139,629,877	\$140,129,877
1995/96	16,727,041	16,727,041	16,727,041	16,727,041
1996/97	11,236,700	11,236,700	11,236,700	11,236,700
1997/98	30,083,500	30,083,500	30,083,500	30,083,500
1998/99	9,880,000	12,880,000	12,880,000	13,180,000
1999/00	33,190,000	33,190,000	33,190,000	33,190,000
2000/01	10,411,000	10,411,000	10,411,000	10,411,000
2001/02	23,647,540	23,647,540	23,647,540	23,647,540
2002/03	4,268,500	4,268,500	4,268,500	4,268,500
2003/04	8,545,050	8,377,500	8,377,500	8,377,500
2004/05	20,798,946	19,606,850	19,606,850	19,606,850
2005/06	11,778,858	22,800,750	23,862,180	23,862,180
2006/07	5,925,629	4,869,463	4,750,000	4,750,000
2007/08	10,307,301	9,984,500	9,945,590	9,953,372
2008/09	7,251,323	10,452,753	10,810,542	10,703,205
2009/10	24,050,368	12,278,754	11,637,247	11,893,850
2010/11	26,178,954	13,439,764	13,094,957	13,267,361
2011/12	57,890,545	43,287,536	43,167,042	43,227,289
2012/13	4,684,654,924	19,251,505	18,708,547	18,980,026
2013/14	0	3,594,271	3,594,748	3,594,509

(2) is from Exhibit MM-Stroger-3.

(3) is from Exhibit MM-Stroger-4.

(4) is from Exhibit MM-Stroger-5.

(5) is based on (2) to (4) and actuarial judgment.



Bornhuetter - Ferguson Analysis

I. A-priori Loss Rate

Claim Period (1)	Preliminary Projected Ultimate Limited Losses (2)	Occupied Bed Equivalents (3)	Limited Loss Rate per Occupied Bed Equivalent (2)/(3) (4)	Loss Rate Trend (2014/15 = 1.000) (5)	Trended Limited Loss Rate per Occupied Bed Equivalent (4)X(5) (6)	Projected A-priori Loss Rate per Occupied Bed Equivalent (7)/(5) (8)
2004/05	\$19,606,850	2,370	\$8,274.37	1.510	\$12,493.06	\$4,968.07
2005/06	23,862,180	2,282	10,455.61	1.452	15,179.23	5,166.79
2006/07	4,750,000	2,131	2,228.77	1.396	3,111.23	5,373.46
2007/08	9,953,372	2,195	4,535.43	1.342	6,087.68	5,588.40
2008/09	10,703,205	2,280	4,694.36	1.291	6,058.66	5,811.94
2009/10	11,893,850	2,257	5,269.10	1.230	6,482.78	6,096.72
2010/11	13,267,361	2,159	6,146.17	1.152	7,082.30	6,509.56
2011/12	43,227,289	2,171	19,912.11	1.108	22,062.44	6,769.94
2012/13	18,980,026	2,191	8,663.10	1.078	9,334.87	6,961.23
2013/14	3,594,509	2,226	1,614.91	1.040	1,679.50	7,212.53

(7) Projected 2014/15 a-priori loss rate per Occupied Bed Equivalent \$7,501.04

II. Bornhuetter - Ferguson Analysis Based on Limited Paid Losses

Claim Period (1)	Limited Paid Losses 11/30/14 (2)	Percent Losses Paid (3)	Projected A-priori Loss Rate per Occupied Bed Equivalent (4)	Occupied Bed Equivalents (5)	B-F Unpaid Losses [100.0%-(3)] X(4)X(5) (6)	B-F Ultimate Limited Paid Losses (2)+(6) (7)
2009/10	\$6,807,500	28.3%	\$6,096.72	2,257	\$9,866,654	\$16,674,154
2010/11	2,850,000	10.9%	6,509.56	2,159	12,522,027	15,372,027
2011/12	20,824,999	2.2%	6,769.94	2,171	14,376,897	35,201,896
2012/13	850,000	0.0%	6,961.23	2,191	15,248,627	16,098,627
2013/14	0	0.0%	7,212.53	2,226	16,052,411	16,052,411

III. Bornhuetter - Ferguson Analysis Based on Limited Reported Incurred Losses

Claim Period (1)	Limited Reported Incurred Losses 11/30/14 (2)	Percent Losses Reported (3)	Projected A-priori Loss Rate per Occupied Bed Equivalent (4)	Occupied Bed Equivalents (5)	B-F Unreported Losses [100.0%-(3)] X(4)X(5) (6)	B-F Ultimate Limited Reported Losses (2)+(6) (7)
2009/10	\$10,857,500	88.4%	\$6,096.72	2,257	\$1,592,940	\$12,450,440
2010/11	11,055,000	82.3%	6,509.56	2,159	2,493,363	13,548,363
2011/12	37,026,999	73.1%	6,769.94	2,171	3,951,060	40,978,059
2012/13	11,730,000	60.9%	6,961.23	2,191	5,958,674	17,688,674
2013/14	1,460,000	40.6%	7,212.53	2,226	9,532,755	10,992,755

Section I, (2) is from Exhibit MM-Stroger-6.

Section I, (3), Section II, (5) and Section III, (5) are from Exhibit MM-Stroger-10.

Section I, (5) is based on a 4% trend and adjusted for change in retention.

Section I, (7) is based on Section I, (6) and actuarial judgment.

Sections II and III, (2) are from Exhibit MM-Stroger-1.

Sections II and III, (3) are from Exhibit MM-Stroger-2.

Sections II and III, (4) are from Section I, (8).



Frequency Times Severity Analysis

I. Projected Ultimate Claims

Claim Period (1)	Months of Development 11/30/14 (2)	Reported Claims 11/30/14 (3)	Percent Claims Reported (4)	Projected Ultimate Claims (3)/(4) (5)	Occupied Bed Equivalents (6)	Frequency (per Occupied Bed Equivalent) (5)/(6) (7)
2004/05	120.0	72	100.0%	72	2,370	0.03
2005/06	108.0	63	100.0%	63	2,282	0.03
2006/07	96.0	42	100.0%	42	2,131	0.02
2007/08	84.0	29	100.0%	29	2,195	0.01
2008/09	72.0	30	100.0%	30	2,280	0.01
2009/10	60.0	27	100.0%	27	2,257	0.01
2010/11	48.0	36	100.0%	36	2,159	0.02
2011/12	36.0	31	99.0%	31	2,171	0.01
2012/13	24.0	33	96.1%	34	2,191	0.02
2013/14	12.0	32	80.1%	40	2,226	0.02

II. Frequency Times Severity

Claim Period (1)	Preliminary Projected Ultimate Limited Losses (2)	Projected Ultimate Claims (3)	Average Severity (2)/(3) (4)	Severity Trend (2014/15 = 1.000) (5)	Trended Average Claim Severity (4)X(5) (6)	De-Trended Projected 2014/15 Average Claim Severity (7)/(5) (8)	Frequency Times Severity (3)X(8) (9)
2004/05	\$19,606,850	72	\$272,317	1.510	\$411,158	\$272,411	\$19,613,586
2005/06	23,862,180	63	378,765	1.452	549,882	283,307	17,848,363
2006/07	4,750,000	42	113,095	1.396	157,874	294,640	12,374,865
2007/08	9,953,372	29	343,220	1.342	460,687	306,425	8,886,332
2008/09	10,703,205	30	356,774	1.291	460,461	318,682	9,560,467
2009/10	11,893,850	27	440,513	1.230	541,981	334,297	9,026,026
2010/11	13,267,361	36	368,538	1.152	424,670	356,934	12,849,641
2011/12	43,227,289	31	1,394,429	1.108	1,545,014	371,212	11,507,567
2012/13	18,980,026	34	558,236	1.078	601,524	381,701	12,977,827
2013/14	3,594,509	40	89,863	1.040	93,457	395,480	15,819,207
	(7) Projected 2014/15 average claim severity				\$411,299		

Section I, (3) is from Exhibit MM-Stroger-1.

Section I, (4) is from Exhibit MM-Stroger-2.

Section I, (6) is from Exhibit MM-Stroger-10.

Section II, (2) is from Exhibit MM-Stroger-6.

Section II, (3) is from Section I, (5).

Section II, (5) is based on a 4% trend and adjusted for change in retention.

Section II, (7) is based on (6) and actuarial judgment.



COOK COUNTY, ILLINOIS
 MEDICAL MALPRACTICE - JOHN H. STROGER, JR. HOSPITAL

Exhibit MM-Stroger-9

Projected Ultimate Limited Losses to 2013/14

Claim Period (1)	Developed Limited Paid Losses (2)	Developed Limited Reported Incurred Losses (3)	Developed Limited Case Reserves (4)	B-F Ultimate Limited Paid Losses (5)	B-F Ultimate Limited Reported Losses (6)	Frequency Times Severity (7)	Prior Projected Ultimate Limited Losses (8)	Projected Ultimate Limited Losses (9)
to 1994/95	\$134,629,877	\$139,629,877	\$139,629,877				\$140,129,877	\$139,629,877
1995/96	16,727,041	16,727,041	16,727,041				16,727,041	16,727,041
1996/97	11,236,700	11,236,700	11,236,700				11,236,700	11,236,700
1997/98	30,083,500	30,083,500	30,083,500				30,083,500	30,083,500
1998/99	9,880,000	12,880,000	12,880,000				13,180,000	13,180,000
1999/00	33,190,000	33,190,000	33,190,000				33,190,000	33,190,000
2000/01	10,411,000	10,411,000	10,411,000				10,411,000	10,411,000
2001/02	23,647,540	23,647,540	23,647,540				23,647,540	23,647,540
2002/03	4,268,500	4,268,500	4,268,500				4,268,500	4,268,500
2003/04	8,545,050	8,377,500	8,377,500				8,377,500	8,377,500
2004/05	20,798,946	19,606,850	19,606,850				19,750,000	19,606,850
2005/06	11,778,858	22,800,750	23,862,180				13,000,000	23,862,000
2006/07	5,925,629	4,869,463	4,750,000				8,500,000	5,500,000
2007/08	10,307,301	9,984,500	9,945,590				13,500,000	10,500,000
2008/09	7,251,323	10,452,753	10,810,542				15,000,000	12,500,000
2009/10	24,050,368	12,278,754	11,637,247	16,674,154	12,450,440	9,026,026	18,500,000	15,000,000
2010/11	26,178,954	13,439,764	13,094,957	15,372,027	13,548,363	12,849,641	18,000,000	16,500,000
2011/12	57,890,545	43,287,536	43,167,042	35,201,896	40,978,059	11,507,567	42,000,000	43,300,000
2012/13	4,684,654,924	19,251,505	18,708,547	16,098,627	17,688,674	12,977,827	20,000,000	20,000,000
2013/14	0	3,594,271	3,594,748	16,052,411	10,992,755	15,819,207	19,636,000	17,000,000
Total	\$5,131,456,057 #	\$450,017,804 #	\$449,629,361 #	\$99,399,115 #	\$95,658,291 #	\$62,180,268 #	\$479,137,658 #	\$474,520,508
Total 5 Years	4,792,774,792 0	91,851,830 0	90,202,540 0	99,399,115 0	95,658,291 0	62,180,268 0	118,136,000 #	111,800,000

(2) is from Exhibit MM-Stroger-3.

(3) is from Exhibit MM-Stroger-4.

(4) is from Exhibit MM-Stroger-5.

(5) and (6) are from Exhibit MM-Stroger-7.

(7) is from Exhibit MM-Stroger-8.

(8) is based on (2) to (7) and actuarial judgment.



COOK COUNTY, ILLINOIS
 MEDICAL MALPRACTICE - JOHN H. STROGER, JR. HOSPITAL

Exhibit MM-Stroger-10

Projected Ultimate Limited Losses for 2014/15 and Subsequent

Claim Period (1)	Projected Ultimate Limited Losses (2)	Occupied Bed Equivalents (3)	Limited Loss Rate per Occupied Bed Equivalent (2)/(3) (4)	Loss Rate Trend (2014/15 = 1.000) (5)	Trended Limited Loss Rate per Occupied Bed Equivalent (4)X(5) (6)	Present Value of Projected Limited Loss Rate per Occupied Bed Equivalent (7)X(10) (11)	Present Value of Projected Ultimate Limited Losses (8)X(11) (12)
2004/05	\$19,606,850	2,370	\$8,274.37	1.510	\$12,493.06		
2005/06	23,862,000	2,282	10,455.53	1.452	15,179.11		
2006/07	5,500,000	2,131	2,580.68	1.396	3,602.48		
2007/08	10,500,000	2,195	4,784.51	1.342	6,422.01		
2008/09	12,500,000	2,280	5,482.43	1.291	7,075.76		
2009/10	15,000,000	2,257	6,645.16	1.230	8,175.80		
2010/11	16,500,000	2,159	7,643.71	1.152	8,807.92		
2011/12	43,300,000	2,171	19,945.61	1.108	22,099.55		
2012/13	20,000,000	2,191	9,128.65	1.078	9,836.52		
2013/14	17,000,000	2,226	7,637.60	1.040	7,943.11		
Total	\$183,768,850	22,261	\$8,255.12		\$10,163.53		
2014/15	\$8,837.31	2,002	\$17,694,000	0.81	\$7,194.43	\$14,404,000	
2015/16	9,190.80	2,002	18,402,000	0.81	7,482.21	14,981,000	
2016/17	9,558.43	2,002	19,138,000	0.81	7,781.50	15,580,000	

(2) is from Exhibit MM-Stroger-9.

(3) was provided by the County.

(5) is based on a 4% trend and adjusted for change in retention.

(7) for 2014/15 is based on (6) and actuarial judgment.

(7) for 2015/16 and subsequent are based on 2014/15 plus a 4% trend.

(8) to 2014/15 was provided by the County. Other claim periods are based on a 0% trend.

(10) is based on a 3.4% interest rate and the payout pattern in Exhibit MM-Stroger-2.



COOK COUNTY, ILLINOIS
 MEDICAL MALPRACTICE - JOHN H. STROGER, JR. HOSPITAL

Exhibit MM-Stroger-11

Estimated Outstanding Losses as of November 30, 2014

Claim Period (1)	Limited Paid Losses 11/30/14 (2)	Limited Case Reserves 11/30/14 (3)	Limited Reported Incurred Losses 11/30/14 (4)	Projected Ultimate Limited Losses (5)	Estimated IBNR 11/30/14 (5)-(4) (6)	Estimated Outstanding Losses 11/30/14 (3)+(6) (7)	Present Value Factor (8)	Present Value of Estimated Outstanding Losses 11/30/14 (7)X(8) (9)
to 1994/95	\$134,629,877	\$5,000,000	\$139,629,877	\$139,629,877	\$0	\$5,000,000	1.00	\$5,000,000
1995/96	16,727,041	0	16,727,041	16,727,041	0	0	1.00	0
1996/97	11,236,700	0	11,236,700	11,236,700	0	0	1.00	0
1997/98	30,083,500	0	30,083,500	30,083,500	0	0	1.00	0
1998/99	9,880,000	3,000,000	12,880,000	13,180,000	300,000	3,300,000	1.00	3,300,000
1999/00	33,190,000	0	33,190,000	33,190,000	0	0	1.00	0
2000/01	10,411,000	0	10,411,000	10,411,000	0	0	1.00	0
2001/02	23,647,540	0	23,647,540	23,647,540	0	0	1.00	0
2002/03	4,268,500	0	4,268,500	4,268,500	0	0	1.00	0
2003/04	8,377,500	0	8,377,500	8,377,500	0	0	0.98	0
2004/05	19,606,850	0	19,606,850	19,606,850	0	0	0.97	0
2005/06	10,575,000	12,000,000	22,575,000	23,862,000	1,287,000	13,287,000	0.96	12,746,056
2006/07	4,750,000	0	4,750,000	5,500,000	750,000	750,000	0.95	716,054
2007/08	7,002,000	2,500,000	9,502,000	10,500,000	998,000	3,498,000	0.95	3,309,994
2008/09	4,105,000	5,600,000	9,705,000	12,500,000	2,795,000	8,395,000	0.93	7,832,169
2009/10	6,807,500	4,050,000	10,857,500	15,000,000	4,142,500	8,192,500	0.93	7,654,368
2010/11	2,850,000	8,205,000	11,055,000	16,500,000	5,445,000	13,650,000	0.92	12,547,024
2011/12	20,824,999	16,202,000	37,026,999	43,300,000	6,273,001	22,475,001	0.90	20,168,615
2012/13	850,000	10,880,000	11,730,000	20,000,000	8,270,000	19,150,000	0.87	16,667,541
2013/14	0	1,460,000	1,460,000	17,000,000	15,540,000	17,000,000	0.84	14,309,938
Total	\$359,823,007	\$68,897,000	\$428,720,007	\$474,520,508	\$45,800,501	\$114,697,501		\$104,251,759

(2), (3) and (4) are net of specific self insured retention and aggregate retention.

(5) is from Exhibit MM-Stroger-9.

(8) is based on a 3.4% interest rate and the payout pattern in Exhibit MM-Stroger-2.



COOK COUNTY, ILLINOIS
 MEDICAL MALPRACTICE - JOHN H. STROGER, JR. HOSPITAL

Exhibit MM-Stroger-12

Projected Losses Paid December 1, 2014 to November 30, 2015

Claim Period (1)	Months of Development 11/30/14 (2)	Percent Losses Paid (3)	Months of Development 11/30/15 (4)	Percent Losses Paid (5)	Percent Outstanding Losses Paid 12/1/14 to 11/30/15 [(5)-(3)]/ [100.0%-(3)] (6)	Estimated Outstanding Losses 11/30/14 (7)	Projected Losses Paid (6)X(7) (8)	Estimated Outstanding Losses 11/30/15 (7)-(8) (9)	Present Value Factor (10)	Present Value of Estimated Outstanding Losses 11/30/15 (9)X(10) (11)
to 1994/95	240.0	100.0%	252.0	100.0%	30.0% *	\$5,000,000	\$1,500,000	\$3,500,000	1.00	\$3,500,000
1995/96	228.0	100.0%	240.0	100.0%	30.0% *	0	0	0	1.00	0
1996/97	216.0	100.0%	228.0	100.0%	30.0% *	0	0	0	1.00	0
1997/98	204.0	100.0%	216.0	100.0%	30.0% *	0	0	0	1.00	0
1998/99	192.0	100.0%	204.0	100.0%	30.0% *	3,300,000	990,000	2,310,000	1.00	2,310,000
1999/00	180.0	100.0%	192.0	100.0%	30.0% *	0	0	0	1.00	0
2000/01	168.0	100.0%	180.0	100.0%	30.0% *	0	0	0	1.00	0
2001/02	156.0	100.0%	168.0	100.0%	30.0% *	0	0	0	1.00	0
2002/03	144.0	100.0%	156.0	100.0%	30.0% *	0	0	0	1.00	0
2003/04	132.0	98.0%	144.0	100.0%	30.0% *	0	0	0	1.00	0
2004/05	120.0	94.3%	132.0	98.0%	30.0% *	0	0	0	0.98	0
2005/06	108.0	89.8%	120.0	94.3%	30.0% *	13,287,000	3,986,100	9,300,900	0.97	9,043,813
2006/07	96.0	80.2%	108.0	89.8%	30.0% *	750,000	225,000	525,000	0.96	503,626
2007/08	84.0	67.9%	96.0	80.2%	30.0% *	3,498,000	1,049,400	2,448,600	0.95	2,337,775
2008/09	72.0	56.6%	84.0	67.9%	26.1% *	8,395,000	2,190,587	6,204,413	0.95	5,870,947
2009/10	60.0	28.3%	72.0	56.6%	30.0% *	8,192,500	2,457,750	5,734,750	0.93	5,350,272
2010/11	48.0	10.9%	60.0	28.3%	19.5% *	13,650,000	2,668,101	10,981,899	0.93	10,260,543
2011/12	36.0	2.2%	48.0	10.9%	8.9% *	22,475,001	2,000,980	20,474,021	0.92	18,819,636
2012/13	24.0	0.0%	36.0	2.2%	2.2% *	19,150,000	413,557	18,736,443	0.90	16,813,708
2013/14	12.0	0.0%	24.0	0.0%	0.0% *	17,000,000	1,542	16,998,458	0.87	14,794,908
2014/15	0.0	0.0%	12.0	0.0%	0.0% *	17,694,000	1,605	17,692,395	0.84	14,892,770
Total						\$132,391,501	\$17,484,622	\$114,906,879		\$104,497,998

* - Limited to a maximum of 30% per actuarial judgment.

(3) and (5) are from Exhibit MM-Stroger-2.

(7) to 2013/14 is from Exhibit MM-Stroger-11. The amount for 2014/15 is from Exhibit MM-Stroger-10.

(10) is based on a 3.4% interest rate and the payout pattern in Exhibit MM-Stroger-2.



COOK COUNTY, ILLINOIS
 MEDICAL MALPRACTICE - JOHN H. STROGER, JR. HOSPITAL

Exhibit MM-Stroger-13

Projected Losses Paid December 1, 2015 to November 30, 2016

Claim Period (1)	Months of Development 11/30/15 (2)	Percent Losses Paid (3)	Months of Development 11/30/16 (4)	Percent Losses Paid (5)	Percent Outstanding Losses Paid 12/1/15 to 11/30/16 [(5)-(3)]/ [100.0%-(3)] (6)	Estimated Outstanding Losses 11/30/15 (7)	Projected Losses Paid (6)X(7) (8)	Estimated Outstanding Losses 11/30/16 (7)-(8) (9)	Present Value Factor (10)	Present Value of Estimated Outstanding Losses 11/30/16 (9)X(10) (11)
to 1994/95	252.0	100.0%	264.0	100.0%	30.0% *	\$3,500,000	\$1,050,000	\$2,450,000	1.00	\$2,450,000
1995/96	240.0	100.0%	252.0	100.0%	30.0% *	0	0	0	1.00	0
1996/97	228.0	100.0%	240.0	100.0%	30.0% *	0	0	0	1.00	0
1997/98	216.0	100.0%	228.0	100.0%	30.0% *	0	0	0	1.00	0
1998/99	204.0	100.0%	216.0	100.0%	30.0% *	2,310,000	693,000	1,617,000	1.00	1,617,000
1999/00	192.0	100.0%	204.0	100.0%	30.0% *	0	0	0	1.00	0
2000/01	180.0	100.0%	192.0	100.0%	30.0% *	0	0	0	1.00	0
2001/02	168.0	100.0%	180.0	100.0%	30.0% *	0	0	0	1.00	0
2002/03	156.0	100.0%	168.0	100.0%	30.0% *	0	0	0	1.00	0
2003/04	144.0	100.0%	156.0	100.0%	30.0% *	0	0	0	1.00	0
2004/05	132.0	98.0%	144.0	100.0%	30.0% *	0	0	0	1.00	0
2005/06	120.0	94.3%	132.0	98.0%	30.0% *	9,300,900	2,790,270	6,510,630	0.98	6,402,694
2006/07	108.0	89.8%	120.0	94.3%	30.0% *	525,000	157,500	367,500	0.97	357,342
2007/08	96.0	80.2%	108.0	89.8%	30.0% *	2,448,600	734,580	1,714,020	0.96	1,644,238
2008/09	84.0	67.9%	96.0	80.2%	30.0% *	6,204,413	1,861,324	4,343,089	0.95	4,146,518
2009/10	72.0	56.6%	84.0	67.9%	26.1% *	5,734,750	1,496,423	4,238,327	0.95	4,010,531
2010/11	60.0	28.3%	72.0	56.6%	30.0% *	10,981,899	3,294,570	7,687,329	0.93	7,171,943
2011/12	48.0	10.9%	60.0	28.3%	19.5% *	20,474,021	4,001,960	16,472,061	0.93	15,390,079
2012/13	36.0	2.2%	48.0	10.9%	8.9% *	18,736,443	1,668,131	17,068,312	0.92	15,689,122
2013/14	24.0	0.0%	36.0	2.2%	2.2% *	16,998,458	367,093	16,631,365	0.90	14,924,654
2014/15	12.0	0.0%	24.0	0.0%	0.0% *	17,692,395	1,605	17,690,790	0.87	15,397,492
2015/16	0.0	0.0%	12.0	0.0%	0.0% *	18,402,000	1,669	18,400,331	0.84	15,488,683
Total						\$133,308,879	\$18,118,125	\$115,190,754		\$104,690,296

* - Limited to a maximum of 30% per actuarial judgment.

(3) and (5) are from Exhibit MM-Stroger-2.

(7) to 2014/15 is from Exhibit MM-Stroger-12, (9). The amount for 2015/16 is from Exhibit MM-Stroger-10.

(10) is based on a 3.4% interest rate and the payout pattern in Exhibit MM-Stroger-2.



COOK COUNTY, ILLINOIS
 MEDICAL MALPRACTICE - JOHN H. STROGER, JR. HOSPITAL

Exhibit MM-Stroger-14

Projected Losses Paid December 1, 2016 to November 30, 2017

Claim Period (1)	Months of Development 11/30/16 (2)	Percent Losses Paid (3)	Months of Development 11/30/17 (4)	Percent Losses Paid (5)	Percent Outstanding Losses Paid 12/1/16 to 11/30/17 [(5)-(3)]/ [100.0%-(3)] (6)	Estimated Outstanding Losses 11/30/16 (7)	Projected Losses Paid (6)X(7) (8)	Estimated Outstanding Losses 11/30/17 (7)-(8) (9)	Present Value Factor (10)	Present Value of Estimated Outstanding Losses 11/30/17 (9)X(10) (11)
to 1994/95	264.0	100.0%	276.0	100.0%	30.0% *	\$2,450,000	\$735,000	\$1,715,000	1.00	\$1,715,000
1995/96	252.0	100.0%	264.0	100.0%	30.0% *	0	0	0	1.00	0
1996/97	240.0	100.0%	252.0	100.0%	30.0% *	0	0	0	1.00	0
1997/98	228.0	100.0%	240.0	100.0%	30.0% *	0	0	0	1.00	0
1998/99	216.0	100.0%	228.0	100.0%	30.0% *	1,617,000	485,100	1,131,900	1.00	1,131,900
1999/00	204.0	100.0%	216.0	100.0%	30.0% *	0	0	0	1.00	0
2000/01	192.0	100.0%	204.0	100.0%	30.0% *	0	0	0	1.00	0
2001/02	180.0	100.0%	192.0	100.0%	30.0% *	0	0	0	1.00	0
2002/03	168.0	100.0%	180.0	100.0%	30.0% *	0	0	0	1.00	0
2003/04	156.0	100.0%	168.0	100.0%	30.0% *	0	0	0	1.00	0
2004/05	144.0	100.0%	156.0	100.0%	30.0% *	0	0	0	1.00	0
2005/06	132.0	98.0%	144.0	100.0%	30.0% *	6,510,630	1,953,189	4,557,441	1.00	4,557,441
2006/07	120.0	94.3%	132.0	98.0%	30.0% *	367,500	110,250	257,250	0.98	252,985
2007/08	108.0	89.8%	120.0	94.3%	30.0% *	1,714,020	514,206	1,199,814	0.97	1,166,650
2008/09	96.0	80.2%	108.0	89.8%	30.0% *	4,343,089	1,302,927	3,040,162	0.96	2,916,390
2009/10	84.0	67.9%	96.0	80.2%	30.0% *	4,238,327	1,271,498	2,966,829	0.95	2,832,548
2010/11	72.0	56.6%	84.0	67.9%	26.1% *	7,687,329	2,005,928	5,681,401	0.95	5,376,045
2011/12	60.0	28.3%	72.0	56.6%	30.0% *	16,472,061	4,941,618	11,530,443	0.93	10,757,401
2012/13	48.0	10.9%	60.0	28.3%	19.5% *	17,068,312	3,336,262	13,732,050	0.93	12,830,048
2013/14	36.0	2.2%	48.0	10.9%	8.9% *	16,631,365	1,480,713	15,150,652	0.92	13,926,417
2014/15	24.0	0.0%	36.0	2.2%	2.2% *	17,690,790	382,045	17,308,745	0.90	15,532,521
2015/16	12.0	0.0%	24.0	0.0%	0.0% *	18,400,331	1,669	18,398,662	0.87	16,013,601
2016/17	0.0	0.0%	12.0	0.0%	0.0% *	19,138,000	1,736	19,136,264	0.84	16,108,162
Total						\$134,328,754	\$18,522,141	\$115,806,613		\$105,117,109

* - Limited to a maximum of 30% per actuarial judgment.

(3) and (5) are from Exhibit MM-Stroger-2.

(7) to 2015/16 is from Exhibit MM-Stroger-13, (9). The amount for 2016/17 is from Exhibit MM-Stroger-10.

(10) is based on a 3.4% interest rate and the payout pattern in Exhibit MM-Stroger-2.



COOK COUNTY, ILLINOIS
 MEDICAL MALPRACTICE - JOHN H. STROGER, JR. HOSPITAL

Exhibit MM-Stroger-15

List of Large Claims
 Reported Incurred Losses Greater Than \$1,000,000

Claim Number (1)	Date of Loss (2)	Claim Period (3)	Specific Self-Insured Retention (4)	Unlimited Paid Losses 11/30/14 (5)	Unlimited Case Reserves 11/30/14 (6)	Unlimited Reported Incurred Losses 11/30/14 (7)
97009089	5/9/1976	to 1994/95	Unlimited	\$0	\$5,000,000	\$5,000,000
97005676	1/21/1990	to 1994/95	Unlimited	6,500,000	0	6,500,000
97004522	11/25/1996	1995/96	Unlimited	1,500,000	0	1,500,000
97002438	10/21/1997	1996/97	Unlimited	6,750,000	0	6,750,000
97002232	4/9/1998	1997/98	Unlimited	19,250,000	0	19,250,000
97004204	8/28/1998	1997/98	Unlimited	1,500,000	0	1,500,000
97009808	5/3/1999	1998/99	Unlimited	0	3,000,000	3,000,000
97003451	3/6/2001	2000/01	10,000,000	7,000,000	0	7,000,000
97004134	9/9/2002	2001/02	15,000,000	12,000,000	0	12,000,000
97004269	9/20/2002	2001/02	15,000,000	9,000,000	0	9,000,000
97004808	12/19/2003	2003/04	20,000,000	3,750,000	0	3,750,000
97005705	3/4/2005	2004/05	20,000,000	4,500,000	0	4,500,000
97005615	4/22/2005	2004/05	20,000,000	1,000,000	0	1,000,000
97006373	5/13/2005	2004/05	20,000,000	2,000,000	0	2,000,000
97005712	8/12/2005	2004/05	20,000,000	9,800,000	0	9,800,000
97009247	8/8/2006	2005/06	20,000,000	0	12,000,000	12,000,000
97006800	9/15/2006	2005/06	20,000,000	6,250,000	0	6,250,000
97006263	9/23/2006	2005/06	20,000,000	1,200,000	0	1,200,000
97006482	10/21/2006	2005/06	20,000,000	1,250,000	0	1,250,000
97007988	3/1/2007	2006/07	20,000,000	1,750,000	0	1,750,000
97008116	10/3/2007	2006/07	20,000,000	1,000,000	0	1,000,000
97007247	10/19/2007	2006/07	20,000,000	1,700,000	0	1,700,000
97007071	1/18/2008	2007/08	20,000,000	2,400,000	0	2,400,000
97007276	5/30/2008	2007/08	20,000,000	2,050,000	0	2,050,000
97008189	7/30/2008	2007/08	20,000,000	0	2,000,000	2,000,000
97007510	10/11/2008	2007/08	20,000,000	2,500,000	0	2,500,000
97008908	1/10/2009	2008/09	20,000,000	0	1,000,000	1,000,000
97010724	3/19/2009	2008/09	20,000,000	0	1,500,000	1,500,000
97008090	4/6/2009	2008/09	20,000,000	2,250,000	0	2,250,000
97008088	6/21/2009	2008/09	20,000,000	1,250,000	0	1,250,000
97009155	6/24/2009	2008/09	20,000,000	0	2,000,000	2,000,000
97009936	8/30/2009	2008/09	20,000,000	0	1,000,000	1,000,000
97009127	6/16/2010	2009/10	40,000,000	1,337,500	0	1,337,500
97009609	6/21/2010	2009/10	40,000,000	2,250,000	0	2,250,000
97009807	8/18/2010	2009/10	40,000,000	0	1,000,000	1,000,000
97008821	9/1/2010	2009/10	40,000,000	0	1,700,000	1,700,000
97008751	10/5/2010	2009/10	40,000,000	3,000,000	0	3,000,000
97009853	11/29/2010	2009/10	40,000,000	0	1,250,000	1,250,000
97009478	12/19/2010	2010/11	40,000,000	2,400,000	0	2,400,000
97010439	3/13/2011	2010/11	40,000,000	0	2,000,000	2,000,000
97009939	3/20/2011	2010/11	40,000,000	0	2,000,000	2,000,000
97009210	9/19/2011	2010/11	40,000,000	0	1,000,000	1,000,000
97009208	9/29/2011	2010/11	40,000,000	0	2,000,000	2,000,000
97009296	12/2/2011	2011/12	20,000,000	20,000,000 *	0	20,000,000 *
97009816	12/24/2011	2011/12	40,000,000	0	1,500,000	1,500,000
97010275	1/19/2012	2011/12	40,000,000	0	1,500,000	1,500,000
97009427	2/5/2012	2011/12	40,000,000	0	2,500,000	2,500,000
97009447	2/28/2012	2011/12	40,000,000	0	2,000,000	2,000,000
97009531	5/8/2012	2011/12	40,000,000	0	5,000,000	5,000,000
97009669	6/25/2012	2011/12	40,000,000	0	2,000,000	2,000,000
97011081	12/26/2012	2012/13	40,000,000	0	4,000,000	4,000,000
97009982	1/25/2013	2012/13	40,000,000	0	3,000,000	3,000,000
97011355	10/30/2013	2012/13	30,000,000	0	2,000,000	2,000,000

Amounts are gross of excess insurance.

The claim(s) indicated by a "*" have been limited in development.

(1) through (7) were provided by the County.



COOK COUNTY, ILLINOIS
 MEDICAL MALPRACTICE - JOHN H. STROGER, JR. HOSPITAL

Exhibit MM-Stroger-16

Calculation of Occupied Bed Equivalents

Claim Period (1)	Inpatients (2)	ER Visits (3)	Other Visits (4)	Other Visits (5)	Physicians (6)	Housestaff (7)	Occupied Bed Equivalents (8)
to 1994/95							
1995/96	474	163,169	498,968	50,410	369	588	2,505
1996/97	415	157,214	487,470	48,991	373	548	2,408
1997/98	393	153,602	479,152	64,814	376	535	2,380
1998/99	367	148,324	480,902	87,850	365	541	2,328
1999/00	363	141,013	485,066	141,276	358	490	2,272
2000/01	360	136,073	481,095	269,485	381	465	2,352
2001/02	388	141,693	502,382	189,599	414	444	2,442
2002/03	345	150,271	498,328	172,516	400	457	2,379
2003/04	353	148,568	520,088	174,789	401	463	2,401
2004/05	352	141,500	511,426	173,667	397	461	2,370
2005/06	338	135,358	512,883	152,169	378	460	2,282
2006/07	317	128,643	415,673	136,033	355	450	2,131
2007/08	314	127,998	392,825	128,266	389	433	2,195
2008/09	313	155,000	432,529	143,627	389	446	2,280
2009/10	313	155,000	127,500	64,000	433	460	2,257
2010/11	313	131,000	127,500	64,000	416	455	2,159
2011/12	313	131,000	127,500	64,000	420	455	2,171
2012/13	302	137,000	175,000	64,000	420	455	2,191
2013/14	302	137,000	175,000	64,000	433	455	2,226
2014/15	281	119,036	163,109	41,238	377	455	2,002

(2) through (7) were provided by the County. (4) is for Fantus. (5) is for CORE. (7) assumes no change from 2010/11.

The exposures in (2) through (7) are converted to occupied bed equivalents using the following exposure conversion factors, which were published in the Aon/ASHRM Hospital Professional Liability and Physician Liability Benchmark Analysis published in October 2013. The weight for Housestaff is based on actuarial judgement.

Exposure	Conversion Factor
Inpatients	1.000
ER Visits	0.200 per 100
Other Visits	0.040 per 100
Physicians	2.750
Housestaff	0.800 (residents and interns)



COOK COUNTY, ILLINOIS
MEDICAL MALPRACTICE - OAK FOREST HEALTH CENTER

Data Summary as of November 30, 2014
Losses Limited to Self-Insured Retention

Claim Period (1)	Specific Self-Insured Retention (2)	Aggregate Retention (3)	Months of Development 11/30/14 (4)	Occupied Bed Equivalents (5)	Reported Claims 11/30/14 (6)	Open Claims 11/30/14 (7)	Limited Paid Losses 11/30/14 (8)	Limited Case Reserves 11/30/14 (9)	Limited Reported Incurred Losses 11/30/14 (10)
to 1994/95	See Note	None	240.0	Not Provided	6	0	\$2,778,000	\$0	\$2,778,000
1995/96	Unlimited	None	228.0	385	2	0	2,000	0	2,000
1996/97	Unlimited	None	216.0	399	1	0	0	0	0
1997/98	Unlimited	None	204.0	410	2	0	0	0	0
1998/99	Unlimited	None	192.0	406	0	0	0	0	0
1999/00	Unlimited	None	180.0	352	1	0	0	0	0
2000/01	10,000,000	25,000,000	168.0	336	0	0	0	0	0
2001/02	15,000,000	50,000,000	156.0	331	2	0	100,000	0	100,000
2002/03	20,000,000	80,000,000	144.0	341	3	0	1,050,000	0	1,050,000
2003/04	20,000,000	None	132.0	387	4	0	20,375,000	0	20,375,000
2004/05	20,000,000	None	120.0	392	3	0	1,900,000	0	1,900,000
2005/06	20,000,000	None	108.0	384	8	0	620,000	0	620,000
2006/07	20,000,000	None	96.0	353	4	0	0	0	0
2007/08	20,000,000	None	84.0	283	1	0	0	0	0
2008/09	20,000,000	None	72.0	348	2	2	0	350,000	350,000
2009/10	40,000,000	None	60.0	222	1	1	0	200,000	200,000
2010/11	40,000,000	None	48.0	233	0	0	0	0	0
2011/12	40,000,000	None	36.0	174	1	0	0	0	0
2012/13	30,000,000	None	24.0	62	0	0	0	0	0
2013/14	30,000,000	None	12.0	62	0	0	0	0	0
Total					41	3	\$26,825,000	\$550,000	\$27,375,000

* The specific self-insured retention changes are as follows:

Effective Date	Retention
12/01/75	Unlimited
12/01/00	10,000,000
12/01/01	15,000,000
12/01/02	20,000,000
03/01/10	40,000,000
03/01/13	30,000,000

(8), (9) and (10) are net of the specific self-insured retention and other recoveries.

Data was provided by the County.



COOK COUNTY, ILLINOIS
 MEDICAL MALPRACTICE - OAK FOREST HEALTH CENTER

Exhibit MM-Oak Forest-1 (page 2)

Data Summary as of November 30, 2014
 Unlimited Losses

Claim Period (1)	Specific Self-Insured Retention (2)	Aggregate Retention (3)	Months of Development 11/30/14 (4)	Occupied Bed Equivalents (5)	Reported Claims 11/30/14 (6)	Open Claims 11/30/14 (7)	Unlimited Paid Losses 11/30/14 (8)	Unlimited Case Reserves 11/30/14 (9)	Unlimited Reported Incurred Losses 11/30/14 (10)
to 1994/95	Unlimited	None	240.0	Not Provided	6	0	\$2,778,000	\$0	\$2,778,000
1995/96	Unlimited	None	228.0	385	2	0	2,000	0	2,000
1996/97	Unlimited	None	216.0	399	1	0	0	0	0
1997/98	Unlimited	None	204.0	410	2	0	0	0	0
1998/99	Unlimited	None	192.0	406	0	0	0	0	0
1999/00	Unlimited	None	180.0	352	1	0	0	0	0
2000/01	Unlimited	25,000,000	168.0	336	0	0	0	0	0
2001/02	Unlimited	50,000,000	156.0	331	2	0	100,000	0	100,000
2002/03	Unlimited	80,000,000	144.0	341	3	0	1,050,000	0	1,050,000
2003/04	Unlimited	None	132.0	387	4	0	20,375,000	0	20,375,000
2004/05	Unlimited	None	120.0	392	3	0	1,900,000	0	1,900,000
2005/06	Unlimited	None	108.0	384	8	0	620,000	0	620,000
2006/07	Unlimited	None	96.0	353	4	0	0	0	0
2007/08	Unlimited	None	84.0	283	1	0	0	0	0
2008/09	Unlimited	None	72.0	348	2	2	0	350,000	350,000
2009/10	Unlimited	None	60.0	222	1	1	0	200,000	200,000
2010/11	Unlimited	None	48.0	233	0	0	0	0	0
2011/12	Unlimited	None	36.0	174	1	0	0	0	0
2012/13	Unlimited	None	24.0	62	0	0	0	0	0
2013/14	Unlimited	None	12.0	62	0	0	0	0	0
Total					41	3	\$26,825,000	\$550,000	\$27,375,000

(8), (9) and (10) are gross of the specific self-insured retention and other recoveries.

Data was provided by the County.



COOK COUNTY, ILLINOIS
 MEDICAL MALPRACTICE - OAK FOREST HEALTH CENTER

Exhibit MM-Oak Forest-2

Summary of Percent Losses Paid, Losses Reported and Claims Reported

Months of Development (1)	Percent Losses Paid (2)	Percent Losses Reported (3)	Percent Claims Reported (4)	Months of Development (5)	Percent Losses Paid (6)	Percent Losses Reported (7)	Percent Claims Reported (8)
360.0	100.0%	100.0%	100.0%	354.0	100.0%	100.0%	100.0%
348.0	100.0%	100.0%	100.0%	342.0	100.0%	100.0%	100.0%
336.0	100.0%	100.0%	100.0%	330.0	100.0%	100.0%	100.0%
324.0	100.0%	100.0%	100.0%	318.0	100.0%	100.0%	100.0%
312.0	100.0%	100.0%	100.0%	306.0	100.0%	100.0%	100.0%
300.0	100.0%	100.0%	100.0%	294.0	100.0%	100.0%	100.0%
288.0	100.0%	100.0%	100.0%	282.0	100.0%	100.0%	100.0%
276.0	100.0%	100.0%	100.0%	270.0	100.0%	100.0%	100.0%
264.0	100.0%	100.0%	100.0%	258.0	100.0%	100.0%	100.0%
252.0	100.0%	100.0%	100.0%	246.0	100.0%	100.0%	100.0%
240.0	100.0%	100.0%	100.0%	234.0	100.0%	100.0%	100.0%
228.0	100.0%	100.0%	100.0%	222.0	100.0%	100.0%	100.0%
216.0	100.0%	100.0%	100.0%	210.0	100.0%	100.0%	100.0%
204.0	100.0%	100.0%	100.0%	198.0	100.0%	100.0%	100.0%
192.0	100.0%	100.0%	100.0%	186.0	100.0%	100.0%	100.0%
180.0	100.0%	100.0%	100.0%	174.0	100.0%	100.0%	100.0%
168.0	100.0%	100.0%	100.0%	162.0	100.0%	100.0%	100.0%
156.0	100.0%	100.0%	100.0%	150.0	100.0%	100.0%	100.0%
144.0	100.0%	100.0%	100.0%	138.0	99.0%	100.0%	100.0%
132.0	98.0%	100.0%	100.0%	126.0	96.2%	100.0%	100.0%
120.0	94.3%	100.0%	100.0%	114.0	92.0%	99.5%	100.0%
108.0	89.8%	99.0%	100.0%	102.0	85.0%	98.0%	100.0%
96.0	80.2%	97.1%	100.0%	90.0	74.0%	96.1%	100.0%
84.0	67.9%	95.2%	100.0%	78.0	62.3%	94.2%	100.0%
72.0	56.6%	93.3%	100.0%	66.0	42.5%	91.1%	100.0%
60.0	28.3%	88.9%	100.0%	54.0	19.6%	85.8%	100.0%
48.0	10.9%	82.7%	100.0%	42.0	6.5%	78.9%	99.0%
36.0	2.2%	75.1%	98.0%	30.0	1.1%	68.9%	95.7%
24.0	0.0%	62.6%	93.4%	18.0	0.0%	52.2%	84.0%
12.0	0.0%	41.7%	74.7%	6.0	0.0%	20.9%	37.3%

(2), (3) and (4) are based on other similar programs with which we are familiar.

(6), (7) and (8) are interpolated, based on (2), (3) and (4), respectively.



COOK COUNTY, ILLINOIS
 MEDICAL MALPRACTICE - OAK FOREST HEALTH CENTER

Exhibit MM-Oak Forest-3

Developed Limited Paid Losses

Claim Period (1)	Months of Development 11/30/14 (2)	Limited Paid Losses 11/30/14 (3)	Percent Losses Paid (4)	Developed Limited Paid Losses (3)/(4) (5)
to 1994/95	240.0	\$2,778,000	100.0%	\$2,778,000
1995/96	228.0	2,000	100.0%	2,000
1996/97	216.0	0	100.0%	0
1997/98	204.0	0	100.0%	0
1998/99	192.0	0	100.0%	0
1999/00	180.0	0	100.0%	0
2000/01	168.0	0	100.0%	0
2001/02	156.0	100,000	100.0%	100,000
2002/03	144.0	1,050,000	100.0%	1,050,000
2003/04	132.0	20,375,000	98.0%	20,382,500 *
2004/05	120.0	1,900,000	94.3%	2,015,520
2005/06	108.0	620,000	89.8%	690,581
2006/07	96.0	0	80.2%	0
2007/08	84.0	0	67.9%	0
2008/09	72.0	0	56.6%	0
2009/10	60.0	0	28.3%	0
2010/11	48.0	0	10.9%	0
2011/12	36.0	0	2.2%	0
2012/13	24.0	0	0.0%	0
2013/14	12.0	0	0.0%	0

* - Indicates large claim(s) limited to retention. For details, see Exhibit MM-Oak Forest-15.

(3) is from Exhibit MM-Oak Forest-1.

(4) is from Exhibit MM-Oak Forest-2.



COOK COUNTY, ILLINOIS
MEDICAL MALPRACTICE - OAK FOREST HEALTH CENTER

Exhibit MM-Oak Forest-4

Developed Limited Reported Incurred Losses

Claim Period (1)	Months of Development 11/30/14 (2)	Limited Reported Incurred Losses 11/30/14 (3)	Percent Losses Reported (4)	Developed Limited Reported Incurred Losses (3)/(4) (5)
to 1994/95	240.0	\$2,778,000	100.0%	\$2,778,000
1995/96	228.0	2,000	100.0%	2,000
1996/97	216.0	0	100.0%	0
1997/98	204.0	0	100.0%	0
1998/99	192.0	0	100.0%	0
1999/00	180.0	0	100.0%	0
2000/01	168.0	0	100.0%	0
2001/02	156.0	100,000	100.0%	100,000
2002/03	144.0	1,050,000	100.0%	1,050,000
2003/04	132.0	20,375,000	100.0%	20,375,000
2004/05	120.0	1,900,000	100.0%	1,900,000
2005/06	108.0	620,000	99.0%	626,200
2006/07	96.0	0	97.1%	0
2007/08	84.0	0	95.2%	0
2008/09	72.0	350,000	93.3%	375,137
2009/10	60.0	200,000	88.9%	225,082
2010/11	48.0	0	82.7%	0
2011/12	36.0	0	75.1%	0
2012/13	24.0	0	62.6%	0
2013/14	12.0	0	41.7%	0

(3) is from Exhibit MM-Oak Forest-1.

(4) is from Exhibit MM-Oak Forest-2.



COOK COUNTY, ILLINOIS
 MEDICAL MALPRACTICE - OAK FOREST HEALTH CENTER

Exhibit MM-Oak Forest-5

Developed Limited Case Reserves

Claim Period (1)	Months of Development 11/30/14 (2)	Percent Losses Paid (3)	Percent Losses Reported (4)	Percent Losses Reserved 11/30/14 [(4)-(3)]/ [100.0%-(3)] (5)	Limited Paid Losses 11/30/14 (6)	Limited Case Reserves 11/30/14 (7)	Developed Limited Case Reserves (6)+(7)/(5) (8)
to 1994/95	240.0	100.0%	100.0%	100.0%	\$2,778,000	\$0	\$2,778,000
1995/96	228.0	100.0%	100.0%	100.0%	2,000	0	2,000
1996/97	216.0	100.0%	100.0%	100.0%	0	0	0
1997/98	204.0	100.0%	100.0%	100.0%	0	0	0
1998/99	192.0	100.0%	100.0%	100.0%	0	0	0
1999/00	180.0	100.0%	100.0%	100.0%	0	0	0
2000/01	168.0	100.0%	100.0%	100.0%	0	0	0
2001/02	156.0	100.0%	100.0%	100.0%	100,000	0	100,000
2002/03	144.0	100.0%	100.0%	100.0%	1,050,000	0	1,050,000
2003/04	132.0	98.0%	100.0%	100.0%	20,375,000	0	20,375,000
2004/05	120.0	94.3%	100.0%	100.0%	1,900,000	0	1,900,000
2005/06	108.0	89.8%	99.0%	90.3%	620,000	0	620,000
2006/07	96.0	80.2%	97.1%	85.2%	0	0	0
2007/08	84.0	67.9%	95.2%	84.9%	0	0	0
2008/09	72.0	56.6%	93.3%	84.6%	0	350,000	413,923
2009/10	60.0	28.3%	88.9%	84.5%	0	200,000	236,807
2010/11	48.0	10.9%	82.7%	80.5%	0	0	0
2011/12	36.0	2.2%	75.1%	74.6%	0	0	0
2012/13	24.0	0.0%	62.6%	62.6%	0	0	0
2013/14	12.0	0.0%	41.7%	41.7%	0	0	0

(3) and (4) are from Exhibit MM-Oak Forest-2.

(6) and (7) are from Exhibit MM-Oak Forest-1.



COOK COUNTY, ILLINOIS
MEDICAL MALPRACTICE - OAK FOREST HEALTH CENTER

Exhibit MM-Oak Forest-6

Preliminary Projected Ultimate Limited Losses to 2013/14

Claim Period (1)	Developed Limited Paid Losses (2)	Developed Limited Reported Incurred Losses (3)	Developed Limited Case Reserves (4)	Preliminary Projected Ultimate Limited Losses (5)
to 1994/95	\$2,778,000	\$2,778,000	\$2,778,000	\$2,778,000
1995/96	2,000	2,000	2,000	2,000
1996/97	0	0	0	0
1997/98	0	0	0	0
1998/99	0	0	0	0
1999/00	0	0	0	0
2000/01	0	0	0	0
2001/02	100,000	100,000	100,000	100,000
2002/03	1,050,000	1,050,000	1,050,000	1,050,000
2003/04	20,382,500	20,375,000	20,375,000	20,375,000
2004/05	2,015,520	1,900,000	1,900,000	1,900,000
2005/06	690,581	626,200	620,000	620,000
2006/07	0	0	0	0
2007/08	0	0	0	0
2008/09	0	375,137	413,923	402,287
2009/10	0	225,082	236,807	232,117
2010/11	0	0	0	0
2011/12	0	0	0	0
2012/13	0	0	0	0
2013/14	0	0	0	0

(2) is from Exhibit MM-Oak Forest-3.

(3) is from Exhibit MM-Oak Forest-4.

(4) is from Exhibit MM-Oak Forest-5.

(5) is based on (2) to (4) and actuarial judgment.



Bornhuetter - Ferguson Analysis

I. A-priori Loss Rate

Claim Period (1)	Preliminary Projected Ultimate Limited Losses (2)	Occupied Bed Equivalents (3)	Limited Loss Rate per Occupied Bed Equivalent (2)/(3) (4)	Loss Rate Trend (2014/15 = 1.000) (5)	Trended Limited Loss Rate per Occupied Bed Equivalent (4)X(5) (6)	Projected A-priori Loss Rate per Occupied Bed Equivalent (7)/(5) (8)
2004/05	\$1,900,000	392	\$4,848.31	1.510	\$7,320.22	\$2,060.51
2005/06	620,000	384	1,615.51	1.452	2,345.37	2,142.93
2006/07	0	353	0.00	1.396	0.00	2,228.65
2007/08	0	283	0.00	1.342	0.00	2,317.79
2008/09	402,287	348	1,156.64	1.291	1,492.79	2,410.50
2009/10	232,117	222	1,045.11	1.230	1,285.84	2,528.62
2010/11	0	233	0.00	1.152	0.00	2,699.84
2011/12	0	174	0.00	1.108	0.00	2,807.84
2012/13	0	62	0.00	1.078	0.00	2,887.17
2013/14	0	62	0.00	1.040	0.00	2,991.40

(7) Projected 2014/15 a-priori loss rate per Occupied Bed Equivalent \$3,111.06

II. Bornhuetter - Ferguson Analysis Based on Limited Paid Losses

Claim Period (1)	Limited Paid Losses 11/30/14 (2)	Percent Losses Paid (3)	Projected A-priori Loss Rate per Occupied Bed Equivalent (4)	Occupied Bed Equivalents (5)	B-F Unpaid Losses [100.0%-(3)] X(4)X(5) (6)	B-F Ultimate Limited Paid Losses (2)+(6) (7)
2009/10	\$0	28.3%	\$2,528.62	222	\$402,638	\$402,638
2010/11	0	10.9%	2,699.84	233	559,443	559,443
2011/12	0	2.2%	2,807.84	174	476,827	476,827
2012/13	0	0.0%	2,887.17	62	178,612	178,612
2013/14	0	0.0%	2,991.40	62	185,076	185,076

III. Bornhuetter - Ferguson Analysis Based on Limited Reported Incurred Losses

Claim Period (1)	Limited Reported Incurred Losses 11/30/14 (2)	Percent Losses Reported (3)	Projected A-priori Loss Rate per Occupied Bed Equivalent (4)	Occupied Bed Equivalents (5)	B-F Unreported Losses [100.0%-(3)] X(4)X(5) (6)	B-F Ultimate Limited Reported Losses (2)+(6) (7)
2009/10	\$200,000	88.9%	\$2,528.62	222	\$62,582	\$262,582
2010/11	0	82.7%	2,699.84	233	108,876	108,876
2011/12	0	75.1%	2,807.84	174	121,164	121,164
2012/13	0	62.6%	2,887.17	62	66,779	66,779
2013/14	0	41.7%	2,991.40	62	107,824	107,824

Section I, (2) is from Exhibit MM-Oak Forest-6.

Section I, (3), Section II, (5) and Section III, (5) are from Exhibit MM-Oak Forest-10.

Section I, (5) is based on a 4% trend and adjusted for change in retention.

Section I, (7) is based on Section I, (6) and actuarial judgment.

Sections II and III, (2) are from Exhibit MM-Oak Forest-1.

Sections II and III, (3) are from Exhibit MM-Oak Forest-2.

Sections II and III, (4) are from Section I, (8).



Frequency Times Severity Analysis

I. Projected Ultimate Claims

Claim Period (1)	Months of Development 11/30/14 (2)	Reported Claims 11/30/14 (3)	Percent Claims Reported (4)	Projected Ultimate Claims (3)/(4) (5)	Occupied Bed Equivalents (6)	Frequency (per Occupied Bed Equivalent) (5)/(6) (7)
2004/05	120.0	3	100.0%	3	392	0.01
2005/06	108.0	8	100.0%	8	384	0.02
2006/07	96.0	4	100.0%	4	353	0.01
2007/08	84.0	1	100.0%	1	283	0.00
2008/09	72.0	2	100.0%	2	348	0.01
2009/10	60.0	1	100.0%	1	222	0.00
2010/11	48.0	0	100.0%	0	233	0.00
2011/12	36.0	1	98.0%	1	174	0.01
2012/13	24.0	0	93.4%	0	62	0.00
2013/14	12.0	0	74.7%	0	62	0.00

II. Frequency Times Severity

Claim Period (1)	Preliminary Projected Ultimate Limited Losses (2)	Projected Ultimate Claims (3)	Average Severity (2)/(3) (4)	Severity Trend (2014/15 = 1.000) (5)	Trended Average Claim Severity (4)X(5) (6)	De-Trended Projected 2014/15 Average Claim Severity (7)/(5) (8)	Frequency Times Severity (3)X(8) (9)
2004/05	\$1,900,000	3	\$633,333	1.510	\$956,238	\$267,234	\$801,703
2005/06	620,000	8	77,500	1.452	112,513	277,924	2,223,390
2006/07	0	4	0	1.396	0	289,041	1,156,163
2007/08	0	1	0	1.342	0	300,602	300,602
2008/09	402,287	2	201,144	1.291	259,601	312,626	625,253
2009/10	232,117	1	232,117	1.230	285,583	327,945	327,945
2010/11	0	0	0	1.152	0	350,152	0
2011/12	0	1	0	1.108	0	364,158	364,158
2012/13	0	0	0	1.078	0	374,448	0
2013/14	0	0	0	1.040	0	387,965	0
(7) Projected 2014/15 average claim severity					\$403,484		

Section I, (3) is from Exhibit MM-Oak Forest-1.

Section I, (4) is from Exhibit MM-Oak Forest-2.

Section I, (6) is from Exhibit MM-Oak Forest-10.

Section II, (2) is from Exhibit MM-Oak Forest-6.

Section II, (3) is from Section I, (5).

Section II, (5) is based on a 4% trend and adjusted for change in retention.

Section II, (7) is based on (6) and actuarial judgment.



COOK COUNTY, ILLINOIS
 MEDICAL MALPRACTICE - OAK FOREST HEALTH CENTER

Exhibit MM-Oak Forest-9

Projected Ultimate Limited Losses to 2013/14

Claim Period (1)	Developed Limited Paid Losses (2)	Developed Limited Reported Incurred Losses (3)	Developed Limited Case Reserves (4)	B-F Ultimate Limited Paid Losses (5)	B-F Ultimate Limited Reported Losses (6)	Frequency Times Severity (7)	Prior Projected Ultimate Limited Losses (8)	Projected Ultimate Limited Losses (9)
to 1994/95	\$2,778,000	\$2,778,000	\$2,778,000				\$2,778,000	\$2,778,000
1995/96	2,000	2,000	2,000				2,000	2,000
1996/97	0	0	0					0
1997/98	0	0	0					0
1998/99	0	0	0					0
1999/00	0	0	0					0
2000/01	0	0	0					0
2001/02	100,000	100,000	100,000				100,000	100,000
2002/03	1,050,000	1,050,000	1,050,000				1,050,000	1,050,000
2003/04	20,382,500	20,375,000	20,375,000				20,375,000	20,375,000
2004/05	2,015,520	1,900,000	1,900,000				1,900,000	1,900,000
2005/06	690,581	626,200	620,000				620,000	620,000
2006/07	0	0	0					0
2007/08	0	0	0				200,000	0
2008/09	0	375,137	413,923				500,000	425,000
2009/10	0	225,082	236,807	402,638	262,582	327,945	600,000	500,000
2010/11	0	0	0	559,443	108,876		500,000	300,000
2011/12	0	0	0	476,827	121,164	364,158	200,000	150,000
2012/13	0	0	0	178,612	66,779		200,000	175,000
2013/14	0	0	0	185,076	107,824		213,000	200,000
Total	\$27,018,601 #	\$27,431,419 #	\$27,475,730 #	\$1,802,596 #	\$667,225 #	\$692,103 #	\$29,238,000 #	\$28,575,000
Total 5 Years	0 0	225,082 0	236,807 0	1,802,596 0	667,225 0	692,103 0	1,713,000 #	1,325,000

(2) is from Exhibit MM-Oak Forest-3.

(3) is from Exhibit MM-Oak Forest-4.

(4) is from Exhibit MM-Oak Forest-5.

(5) and (6) are from Exhibit MM-Oak Forest-7.

(7) is from Exhibit MM-Oak Forest-8.

(8) is based on (2) to (7) and actuarial judgment.



COOK COUNTY, ILLINOIS
 MEDICAL MALPRACTICE - OAK FOREST HEALTH CENTER

Exhibit MM-Oak Forest-10

Projected Ultimate Limited Losses for 2014/15 and Subsequent

Claim Period (1)	Projected Ultimate Limited Losses (2)	Occupied Bed Equivalents (3)	Limited Loss Rate per Occupied Bed Equivalent (2)/(3) (4)	Loss Rate Trend (2014/15 = 1.000) (5)	Trended Limited Loss Rate per Occupied Bed Equivalent (4)X(5) (6)	Present Value of Projected Limited Loss Rate per Occupied Bed Equivalent (7)X(10) (11)	Present Value of Projected Ultimate Limited Losses (8)X(11) (12)
2004/05	\$1,900,000	392	\$4,848.31	1.510	\$7,320.22		
2005/06	620,000	384	1,615.51	1.452	2,345.37		
2006/07	0	353	0.00	1.396	0.00		
2007/08	0	283	0.00	1.342	0.00		
2008/09	425,000	348	1,221.95	1.291	1,577.08		
2009/10	500,000	222	2,251.26	1.230	2,769.82		
2010/11	300,000	233	1,290.17	1.152	1,486.68		
2011/12	150,000	174	864.06	1.108	957.37		
2012/13	175,000	62	2,828.28	1.078	3,047.60		
2013/14	200,000	62	3,232.32	1.040	3,361.62		
Total	\$4,270,000	2,511	\$1,700.61		\$2,286.57		
2014/15	\$3,503.12	26	\$90,000	0.81	\$2,851.88		\$73,000
2015/16	3,643.25	26	93,000	0.81	2,965.96		76,000
2016/17	3,788.98	26	97,000	0.81	3,084.60		79,000

(2) is from Exhibit MM-Oak Forest-9.

(3) was provided by the County.

(5) is based on a 4% trend and adjusted for change in retention.

(7) for 2014/15 is based on (6) and actuarial judgment.

(7) for 2015/16 and subsequent are based on 2014/15 plus a 4% trend.

(8) to 2014/15 was provided by the County. Other claim periods are based on a 0% trend.

(10) is based on a 3.4% interest rate and the payout pattern in Exhibit MM-Oak Forest-2.



COOK COUNTY, ILLINOIS
 MEDICAL MALPRACTICE - OAK FOREST HEALTH CENTER

Exhibit MM-Oak Forest-11

Estimated Outstanding Losses as of November 30, 2014

Claim Period (1)	Limited Paid Losses 11/30/14 (2)	Limited Case Reserves 11/30/14 (3)	Limited Reported Incurred Losses 11/30/14 (4)	Projected Ultimate Limited Losses (5)	Estimated IBNR 11/30/14 (5)-(4) (6)	Estimated Outstanding Losses 11/30/14 (3)+(6) (7)	Present Value Factor (8)	Present Value of Estimated Outstanding Losses 11/30/14 (7)X(8) (9)
to 1994/95	\$2,778,000	\$0	\$2,778,000	\$2,778,000	\$0	\$0	1.00	\$0
1995/96	2,000	0	2,000	2,000	0	0	1.00	0
1996/97	0	0	0	0	0	0	1.00	0
1997/98	0	0	0	0	0	0	1.00	0
1998/99	0	0	0	0	0	0	1.00	0
1999/00	0	0	0	0	0	0	1.00	0
2000/01	0	0	0	0	0	0	1.00	0
2001/02	100,000	0	100,000	100,000	0	0	1.00	0
2002/03	1,050,000	0	1,050,000	1,050,000	0	0	1.00	0
2003/04	20,375,000	0	20,375,000	20,375,000	0	0	0.98	0
2004/05	1,900,000	0	1,900,000	1,900,000	0	0	0.97	0
2005/06	620,000	0	620,000	620,000	0	0	0.96	0
2006/07	0	0	0	0	0	0	0.95	0
2007/08	0	0	0	0	0	0	0.95	0
2008/09	0	350,000	350,000	425,000	75,000	425,000	0.93	396,506
2009/10	0	200,000	200,000	500,000	300,000	500,000	0.93	467,157
2010/11	0	0	0	300,000	300,000	300,000	0.92	275,759
2011/12	0	0	0	150,000	150,000	150,000	0.90	134,607
2012/13	0	0	0	175,000	175,000	175,000	0.87	152,314
2013/14	0	0	0	200,000	200,000	200,000	0.84	168,352
Total	\$26,825,000	\$550,000	\$27,375,000	\$28,575,000	\$1,200,000	\$1,750,000		\$1,594,695

(2), (3) and (4) are net of specific self insured retention and aggregate retention.

(5) is from Exhibit MM-Oak Forest-9.

(8) is based on a 3.4% interest rate and the payout pattern in Exhibit MM-Oak Forest-2.



COOK COUNTY, ILLINOIS
 MEDICAL MALPRACTICE - OAK FOREST HEALTH CENTER

Exhibit MM-Oak Forest-12

Projected Losses Paid December 1, 2014 to November 30, 2015

Claim Period (1)	Months of Development 11/30/14 (2)	Percent Losses Paid (3)	Months of Development 11/30/15 (4)	Percent Losses Paid (5)	Percent Outstanding Losses Paid 12/1/14 to 11/30/15 [(5)-(3)]/ [100.0%-(3)] (6)	Estimated Outstanding Losses 11/30/14 (7)	Projected Losses Paid (6)X(7) (8)	Estimated Outstanding Losses 11/30/15 (7)-(8) (9)	Present Value Factor (10)	Present Value of Estimated Outstanding Losses 11/30/15 (9)X(10) (11)
to 1994/95	240.0	100.0%	252.0	100.0%	100.0%	\$0	\$0	\$0	1.00	\$0
1995/96	228.0	100.0%	240.0	100.0%	100.0%	0	0	0	1.00	0
1996/97	216.0	100.0%	228.0	100.0%	100.0%	0	0	0	1.00	0
1997/98	204.0	100.0%	216.0	100.0%	100.0%	0	0	0	1.00	0
1998/99	192.0	100.0%	204.0	100.0%	100.0%	0	0	0	1.00	0
1999/00	180.0	100.0%	192.0	100.0%	100.0%	0	0	0	1.00	0
2000/01	168.0	100.0%	180.0	100.0%	100.0%	0	0	0	1.00	0
2001/02	156.0	100.0%	168.0	100.0%	100.0%	0	0	0	1.00	0
2002/03	144.0	100.0%	156.0	100.0%	100.0%	0	0	0	1.00	0
2003/04	132.0	98.0%	144.0	100.0%	100.0%	0	0	0	1.00	0
2004/05	120.0	94.3%	132.0	98.0%	65.8%	0	0	0	0.98	0
2005/06	108.0	89.8%	120.0	94.3%	43.9%	0	0	0	0.97	0
2006/07	96.0	80.2%	108.0	89.8%	48.5%	0	0	0	0.96	0
2007/08	84.0	67.9%	96.0	80.2%	38.1%	0	0	0	0.95	0
2008/09	72.0	56.6%	84.0	67.9%	26.1%	425,000	110,899	314,101	0.95	297,219
2009/10	60.0	28.3%	72.0	56.6%	39.5%	500,000	197,400	302,600	0.93	282,313
2010/11	48.0	10.9%	60.0	28.3%	19.5%	300,000	58,640	241,360	0.93	225,506
2011/12	36.0	2.2%	48.0	10.9%	8.9%	150,000	13,355	136,645	0.92	125,604
2012/13	24.0	0.0%	36.0	2.2%	2.2%	175,000	3,779	171,221	0.90	153,650
2013/14	12.0	0.0%	24.0	0.0%	0.0%	200,000	18	199,982	0.87	174,058
2014/15	0.0	0.0%	12.0	0.0%	0.0%	90,000	8	89,992	0.84	75,752
Total						\$1,840,000	\$384,099	\$1,455,901		\$1,334,102

(3) and (5) are from Exhibit MM-Oak Forest-2.

(7) to 2013/14 is from Exhibit MM-Oak Forest-11. The amount for 2014/15 is from Exhibit MM-Oak Forest-10.

(10) is based on a 3.4% interest rate and the payout pattern in Exhibit MM-Oak Forest-2.



COOK COUNTY, ILLINOIS
 MEDICAL MALPRACTICE - OAK FOREST HEALTH CENTER

Exhibit MM-Oak Forest-13

Projected Losses Paid December 1, 2015 to November 30, 2016

Claim Period (1)	Months of Development 11/30/15 (2)	Percent Losses Paid (3)	Months of Development 11/30/16 (4)	Percent Losses Paid (5)	Percent Outstanding Losses Paid 12/1/15 to 11/30/16 [(5)-(3)]/ [100.0%-(3)] (6)	Estimated Outstanding Losses 11/30/15 (7)	Projected Losses Paid (6)X(7) (8)	Estimated Outstanding Losses 11/30/16 (7)-(8) (9)	Present Value Factor (10)	Present Value of Estimated Outstanding Losses 11/30/16 (9)X(10) (11)
to 1994/95	252.0	100.0%	264.0	100.0%	100.0%	\$0	\$0	\$0	1.00	\$0
1995/96	240.0	100.0%	252.0	100.0%	100.0%	0	0	0	1.00	0
1996/97	228.0	100.0%	240.0	100.0%	100.0%	0	0	0	1.00	0
1997/98	216.0	100.0%	228.0	100.0%	100.0%	0	0	0	1.00	0
1998/99	204.0	100.0%	216.0	100.0%	100.0%	0	0	0	1.00	0
1999/00	192.0	100.0%	204.0	100.0%	100.0%	0	0	0	1.00	0
2000/01	180.0	100.0%	192.0	100.0%	100.0%	0	0	0	1.00	0
2001/02	168.0	100.0%	180.0	100.0%	100.0%	0	0	0	1.00	0
2002/03	156.0	100.0%	168.0	100.0%	100.0%	0	0	0	1.00	0
2003/04	144.0	100.0%	156.0	100.0%	100.0%	0	0	0	1.00	0
2004/05	132.0	98.0%	144.0	100.0%	100.0%	0	0	0	1.00	0
2005/06	120.0	94.3%	132.0	98.0%	65.8%	0	0	0	0.98	0
2006/07	108.0	89.8%	120.0	94.3%	43.9%	0	0	0	0.97	0
2007/08	96.0	80.2%	108.0	89.8%	48.5%	0	0	0	0.96	0
2008/09	84.0	67.9%	96.0	80.2%	38.1%	314,101	119,771	194,330	0.95	185,534
2009/10	72.0	56.6%	84.0	67.9%	26.1%	302,600	78,960	223,640	0.95	211,620
2010/11	60.0	28.3%	72.0	56.6%	39.5%	241,360	95,289	146,071	0.93	136,278
2011/12	48.0	10.9%	60.0	28.3%	19.5%	136,645	26,709	109,936	0.93	102,715
2012/13	36.0	2.2%	48.0	10.9%	8.9%	171,221	15,244	155,977	0.92	143,373
2013/14	24.0	0.0%	36.0	2.2%	2.2%	199,982	4,319	195,663	0.90	175,584
2014/15	12.0	0.0%	24.0	0.0%	0.0%	89,992	8	89,984	0.87	78,319
2015/16	0.0	0.0%	12.0	0.0%	0.0%	93,000	8	92,992	0.84	78,277
Total						\$1,548,901	\$340,308	\$1,208,593		\$1,111,700

(3) and (5) are from Exhibit MM-Oak Forest-2.

(7) to 2014/15 is from Exhibit MM-Oak Forest-12, (9). The amount for 2015/16 is from Exhibit MM-Oak Forest-10.

(10) is based on a 3.4% interest rate and the payout pattern in Exhibit MM-Oak Forest-2.



COOK COUNTY, ILLINOIS
 MEDICAL MALPRACTICE - OAK FOREST HEALTH CENTER

Exhibit MM-Oak Forest-14

Projected Losses Paid December 1, 2016 to November 30, 2017

Claim Period (1)	Months of Development 11/30/16 (2)	Percent Losses Paid (3)	Months of Development 11/30/17 (4)	Percent Losses Paid (5)	Percent Outstanding Losses Paid 12/1/16 to 11/30/17 [(5)-(3)]/ [100.0%-(3)] (6)	Estimated Outstanding Losses 11/30/16 (7)	Projected Losses Paid (6)X(7) (8)	Estimated Outstanding Losses 11/30/17 (7)-(8) (9)	Present Value Factor (10)	Present Value of Estimated Outstanding Losses 11/30/17 (9)X(10) (11)
to 1994/95	264.0	100.0%	276.0	100.0%	100.0%	\$0	\$0	\$0	1.00	\$0
1995/96	252.0	100.0%	264.0	100.0%	100.0%	0	0	0	1.00	0
1996/97	240.0	100.0%	252.0	100.0%	100.0%	0	0	0	1.00	0
1997/98	228.0	100.0%	240.0	100.0%	100.0%	0	0	0	1.00	0
1998/99	216.0	100.0%	228.0	100.0%	100.0%	0	0	0	1.00	0
1999/00	204.0	100.0%	216.0	100.0%	100.0%	0	0	0	1.00	0
2000/01	192.0	100.0%	204.0	100.0%	100.0%	0	0	0	1.00	0
2001/02	180.0	100.0%	192.0	100.0%	100.0%	0	0	0	1.00	0
2002/03	168.0	100.0%	180.0	100.0%	100.0%	0	0	0	1.00	0
2003/04	156.0	100.0%	168.0	100.0%	100.0%	0	0	0	1.00	0
2004/05	144.0	100.0%	156.0	100.0%	100.0%	0	0	0	1.00	0
2005/06	132.0	98.0%	144.0	100.0%	100.0%	0	0	0	1.00	0
2006/07	120.0	94.3%	132.0	98.0%	65.8%	0	0	0	0.98	0
2007/08	108.0	89.8%	120.0	94.3%	43.9%	0	0	0	0.97	0
2008/09	96.0	80.2%	108.0	89.8%	48.5%	194,330	94,220	100,110	0.96	96,034
2009/10	84.0	67.9%	96.0	80.2%	38.1%	223,640	85,277	138,363	0.95	132,101
2010/11	72.0	56.6%	84.0	67.9%	26.1%	146,071	38,116	107,955	0.95	102,153
2011/12	60.0	28.3%	72.0	56.6%	39.5%	109,936	43,403	66,533	0.93	62,072
2012/13	48.0	10.9%	60.0	28.3%	19.5%	155,977	30,488	125,489	0.93	117,246
2013/14	36.0	2.2%	48.0	10.9%	8.9%	195,663	17,420	178,243	0.92	163,840
2014/15	24.0	0.0%	36.0	2.2%	2.2%	89,984	1,943	88,041	0.90	79,006
2015/16	12.0	0.0%	24.0	0.0%	0.0%	92,992	8	92,984	0.87	80,930
2016/17	0.0	0.0%	12.0	0.0%	0.0%	97,000	9	96,991	0.84	81,643
Total						\$1,305,593	\$310,884	\$994,709		\$915,025

(3) and (5) are from Exhibit MM-Oak Forest-2.

(7) to 2015/16 is from Exhibit MM-Oak Forest-13, (9). The amount for 2016/17 is from Exhibit MM-Oak Forest-10.

(10) is based on a 3.4% interest rate and the payout pattern in Exhibit MM-Oak Forest-2.



COOK COUNTY, ILLINOIS
MEDICAL MALPRACTICE - OAK FOREST HEALTH CENTER

Exhibit MM-Oak Forest-15

List of Large Claims
Reported Incurred Losses Greater Than \$1,000,000

Claim Number (1)	Date of Loss (2)	Claim Period (3)	Specific Self-Insured Retention (4)	Unlimited Paid Losses 11/30/14 (5)	Unlimited Case Reserves 11/30/14 (6)	Unlimited Reported Incurred Losses 11/30/14 (7)
97005031	5/19/2004	2003/04	\$20,000,000	\$20,000,000 *	\$0	\$20,000,000

Amounts are gross of excess insurance.

The claim(s) indicated by a "*" have been limited in development.

(1) through (7) were provided by the County.



COOK COUNTY, ILLINOIS
 MEDICAL MALPRACTICE - OAK FOREST HEALTH CENTER

Exhibit MM-Oak Forest-16

Calculation of Occupied Bed Equivalents

Claim Period (1)	Inpatients (2)	ER Visits (3)	Other Visits (4)	Other Visits (5)	Other Visits (6)	Physicians (7)	Occupied Bed Equivalents (8)
to 1994/95							
1995/96	94	3,619	70,326			93	385
1996/97	106	5,333	73,916			92	399
1997/98	108	6,255	77,308			94	410
1998/99	108	10,103	82,779			89	406
1999/00	106	12,612	91,090			67	352
2000/01	78	14,340	91,232			70	336
2001/02	61	20,542	84,449			71	331
2002/03	67	23,156	88,763			70	341
2003/04	67	25,006	92,054			85	387
2004/05	67	31,162	85,787			83	392
2005/06	56	30,249	90,702			84	384
2006/07	39	29,012	75,083			82	353
2007/08	42	28,768	59,543			58	283
2008/09	46	27,785	72,464			79	348
2009/10	46	27,785	64,819			34	222
2010/11	46	33,000	64,819			34	233
2011/12	46	16,500	0			34	174
2012/13	0	0	0			23	62
2013/14	0	0	0			23	62
2014/15	0	0	0			9	26

(2) through (7) were provided by the County. Effective 09/01/11, Oak Forest Health Center discontinued all inpatient services.

The exposures in (2) through (7) are converted to occupied bed equivalents using the following exposure conversion factors, which were published in the Aon/ASHRM Hospital Professional Liability and Physician Liability Benchmark Analysis published in October 2013. The weight for Housestaff is based on actuarial judgement.

Exposure	Conversion Factor
Inpatients	1.000
ER Visits	0.200 per 100
Other Visits	0.040 per 100
Physicians	2.750
Housestaff	0.800 (residents and interns)



COOK COUNTY, ILLINOIS
MEDICAL MALPRACTICE - PROVIDENT HOSPITAL

Exhibit MM-Provident-1 (page 1)

Data Summary as of November 30, 2014
Losses Limited to Self-Insured Retention

Claim Period (1)	Specific Self-Insured Retention (2)	Aggregate Retention (3)	Months of Development 11/30/14 (4)	Occupied Bed Equivalents (5)	Reported Claims 11/30/14 (6)	Open Claims 11/30/14 (7)	Limited Paid Losses 11/30/14 (8)	Limited Case Reserves 11/30/14 (9)	Limited Reported Incurred Losses 11/30/14 (10)
to 1994/95	See Note	None	240.0	Not Provided	13	0	\$2,294,000	\$0	\$2,294,000
1995/96	Unlimited	None	228.0	237	7	0	550,000	0	550,000
1996/97	Unlimited	None	216.0	273	7	0	4,391,000	0	4,391,000
1997/98	Unlimited	None	204.0	272	7	0	3,255,000	0	3,255,000
1998/99	Unlimited	None	192.0	298	12	0	1,245,000	0	1,245,000
1999/00	Unlimited	None	180.0	315	6	0	2,485,000	0	2,485,000
2000/01	10,000,000	25,000,000	168.0	314	7	0	345,000	0	345,000
2001/02	15,000,000	50,000,000	156.0	379	9	0	200,000	0	200,000
2002/03	20,000,000	80,000,000	144.0	390	11	0	1,025,000	0	1,025,000
2003/04	20,000,000	None	132.0	385	11	0	7,860,000	0	7,860,000
2004/05	20,000,000	None	120.0	391	11	0	90,000	0	90,000
2005/06	20,000,000	None	108.0	381	7	1	0	2,000,000	2,000,000
2006/07	20,000,000	None	96.0	375	2	0	0	0	0
2007/08	20,000,000	None	84.0	389	2	0	300,000	0	300,000
2008/09	20,000,000	None	72.0	525	3	0	300,000	0	300,000
2009/10	40,000,000	None	60.0	373	4	0	800,000	0	800,000
2010/11	40,000,000	None	48.0	373	0	0	0	0	0
2011/12	40,000,000	None	36.0	363	4	3	0	1,300,000	1,300,000
2012/13	30,000,000	None	24.0	238	1	1	0	50,000	50,000
2013/14	30,000,000	None	12.0	238	1	1	0	100,000	100,000
Total					125	6	\$25,140,000	\$3,450,000	\$28,590,000

* The specific self-insured retention changes are as follows:

Effective Date	Retention
12/01/75	Unlimited
12/01/00	10,000,000
12/01/01	15,000,000
12/01/02	20,000,000
03/01/10	40,000,000
03/01/13	30,000,000

(8), (9) and (10) are net of the specific self-insured retention and other recoveries.

Data was provided by the County.



COOK COUNTY, ILLINOIS
MEDICAL MALPRACTICE - PROVIDENT HOSPITAL

Exhibit MM-Provident-1 (page 2)

Data Summary as of November 30, 2014
Unlimited Losses

Claim Period (1)	Specific Self-Insured Retention (2)	Aggregate Retention (3)	Months of Development 11/30/14 (4)	Occupied Bed Equivalents (5)	Reported Claims 11/30/14 (6)	Open Claims 11/30/14 (7)	Unlimited Paid Losses 11/30/14 (8)	Unlimited Case Reserves 11/30/14 (9)	Unlimited Reported Incurred Losses 11/30/14 (10)
to 1994/95	Unlimited	None	240.0	Not Provided	13	0	\$2,294,000	\$0	\$2,294,000
1995/96	Unlimited	None	228.0	237	7	0	550,000	0	550,000
1996/97	Unlimited	None	216.0	273	7	0	4,391,000	0	4,391,000
1997/98	Unlimited	None	204.0	272	7	0	3,255,000	0	3,255,000
1998/99	Unlimited	None	192.0	298	12	0	1,245,000	0	1,245,000
1999/00	Unlimited	None	180.0	315	6	0	2,485,000	0	2,485,000
2000/01	Unlimited	25,000,000	168.0	314	7	0	345,000	0	345,000
2001/02	Unlimited	50,000,000	156.0	379	9	0	200,000	0	200,000
2002/03	Unlimited	80,000,000	144.0	390	11	0	1,025,000	0	1,025,000
2003/04	Unlimited	None	132.0	385	11	0	7,860,000	0	7,860,000
2004/05	Unlimited	None	120.0	391	11	0	90,000	0	90,000
2005/06	Unlimited	None	108.0	381	7	1	0	2,000,000	2,000,000
2006/07	Unlimited	None	96.0	375	2	0	0	0	0
2007/08	Unlimited	None	84.0	389	2	0	300,000	0	300,000
2008/09	Unlimited	None	72.0	525	3	0	300,000	0	300,000
2009/10	Unlimited	None	60.0	373	4	0	800,000	0	800,000
2010/11	Unlimited	None	48.0	373	0	0	0	0	0
2011/12	Unlimited	None	36.0	363	4	3	0	1,300,000	1,300,000
2012/13	Unlimited	None	24.0	238	1	1	0	50,000	50,000
2013/14	Unlimited	None	12.0	238	1	1	0	100,000	100,000
Total					125	6	\$25,140,000	\$3,450,000	\$28,590,000

(8), (9) and (10) are gross of the specific self-insured retention and other recoveries.

Data was provided by the County.



COOK COUNTY, ILLINOIS
 MEDICAL MALPRACTICE - PROVIDENT HOSPITAL

Summary of Percent Losses Paid, Losses Reported and Claims Reported

Months of Development (1)	Percent Losses Paid (2)	Percent Losses Reported (3)	Percent Claims Reported (4)	Months of Development (5)	Percent Losses Paid (6)	Percent Losses Reported (7)	Percent Claims Reported (8)
360.0	100.0%	100.0%	100.0%	354.0	100.0%	100.0%	100.0%
348.0	100.0%	100.0%	100.0%	342.0	100.0%	100.0%	100.0%
336.0	100.0%	100.0%	100.0%	330.0	100.0%	100.0%	100.0%
324.0	100.0%	100.0%	100.0%	318.0	100.0%	100.0%	100.0%
312.0	100.0%	100.0%	100.0%	306.0	100.0%	100.0%	100.0%
300.0	100.0%	100.0%	100.0%	294.0	100.0%	100.0%	100.0%
288.0	100.0%	100.0%	100.0%	282.0	100.0%	100.0%	100.0%
276.0	100.0%	100.0%	100.0%	270.0	100.0%	100.0%	100.0%
264.0	100.0%	100.0%	100.0%	258.0	100.0%	100.0%	100.0%
252.0	100.0%	100.0%	100.0%	246.0	100.0%	100.0%	100.0%
240.0	100.0%	100.0%	100.0%	234.0	100.0%	100.0%	100.0%
228.0	100.0%	100.0%	100.0%	222.0	100.0%	100.0%	100.0%
216.0	100.0%	100.0%	100.0%	210.0	100.0%	100.0%	100.0%
204.0	100.0%	100.0%	100.0%	198.0	100.0%	100.0%	100.0%
192.0	100.0%	100.0%	100.0%	186.0	100.0%	100.0%	100.0%
180.0	100.0%	100.0%	100.0%	174.0	100.0%	100.0%	100.0%
168.0	100.0%	100.0%	100.0%	162.0	100.0%	100.0%	100.0%
156.0	100.0%	100.0%	100.0%	150.0	100.0%	100.0%	100.0%
144.0	100.0%	100.0%	100.0%	138.0	100.0%	100.0%	100.0%
132.0	100.0%	100.0%	100.0%	126.0	99.0%	100.0%	100.0%
120.0	98.0%	100.0%	100.0%	114.0	95.7%	100.0%	100.0%
108.0	93.4%	100.0%	100.0%	102.0	89.1%	99.5%	100.0%
96.0	84.9%	99.0%	100.0%	90.0	78.4%	98.0%	100.0%
84.0	71.9%	97.1%	100.0%	78.0	65.9%	96.1%	100.0%
72.0	59.9%	95.2%	100.0%	66.0	47.1%	92.9%	100.0%
60.0	34.3%	90.6%	100.0%	54.0	23.7%	86.5%	100.0%
48.0	13.2%	82.4%	100.0%	42.0	7.9%	78.6%	99.0%
36.0	2.6%	74.9%	98.0%	30.0	1.3%	71.5%	93.6%
24.0	0.0%	68.1%	89.1%	18.0	0.0%	51.1%	74.3%
12.0	0.0%	34.0%	59.4%	6.0	0.0%	17.0%	29.7%

(2) is from Exhibit MM-Provident-2 (page 2).

(3) is from Exhibit MM-Provident-2 (page 3).

(4) is from Exhibit MM-Provident-2 (page 4).

(6), (7) and (8) are interpolated, based on (2), (3) and (4), respectively.



COOK COUNTY, ILLINOIS
MEDICAL MALPRACTICE - PROVIDENT HOSPITAL

Historical Limited Paid Losses (\$000) and Limited Paid Loss Development

Claim Period	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204	216	228	240
to 1/99/05																				
1995/96	0	0	300	300	300	550	550	550	550	550	550	550	550	550	550	550	550	550	550	550
1996/97	0	1	1	1	2,501	2,501	3,501	4,391	4,391	4,391	4,391	4,391	4,391	4,391	4,391	4,391	4,391	4,391	4,391	4,391
1997/98	0	0	5	2,255	2,255	2,255	2,255	3,255	3,255	3,255	3,255	3,255	3,255	3,255	3,255	3,255	3,255	3,255	3,255	3,255
1998/99	0	0	0	0	150	150	165	495	1,245	1,245	1,245	1,245	1,245	1,245	1,245	1,245	1,245	1,245	1,245	1,245
1999/00	0	0	0	935	935	985	2,485	2,485	2,485	2,485	2,485	2,485	2,485	2,485	2,485	2,485	2,485	2,485	2,485	2,485
2000/01	0	0	0	0	345	345	345	345	345	345	345	345	345	345	345	345	345	345	345	345
2001/02	0	0	0	0	0	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200
2002/03	0	0	0	0	50	1,025	1,025	1,025	1,025	1,025	1,025	1,025	1,025	1,025	1,025	1,025	1,025	1,025	1,025	1,025
2003/04	0	0	0	3,510	6,360	7,860	7,860	7,860	7,860	7,860	7,860	7,860	7,860	7,860	7,860	7,860	7,860	7,860	7,860	7,860
2004/05	0	0	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90
2005/06	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2006/07	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2007/08	0	0	0	0	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300
2008/09	0	0	0	800	800	800	800	800	800	800	800	800	800	800	800	800	800	800	800	800
2009/10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2010/11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2011/12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2012/13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2013/14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

II. Limited Paid Loss Development

Claim Period	12-24	24-36	36-48	48-60	60-72	72-84	84-96	96-108	108-120	120-132	132-144	144-156	156-168	168-180	180-192	192-204	204-216	216-228	228-240	240-Ult
to 1/99/05																				
1995/96			1,000	1,000	1,833	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
1996/97		1,000	1,000	2,501,000	1,000	1,400	1,443	1,009	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
1997/98			451,000	1,000	1,000	1,100	3,000	2,515	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
1998/99				1,000	1,000	1,053	2,523	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
1999/00				1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
2000/01				1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
2001/02				20,500	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
2002/03				1,236	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
2003/04				1,812	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
2004/05		1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
2005/06																				
2006/07																				
2007/08				1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
2008/09				1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
2009/10																				
2010/11																				
2011/12																				
2012/13																				
2013/14																				
Average All	1,000	1,000	113,500	278,868	2,875	1,184	1,269	1,162	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
Wtd 3			#DN/0!	1,273	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
Last 3																				
Last 5																				
x-tiltlow																				
Similar	6,500	3,400	2,100	1,640	1,360	1,170	1,100	1,060	1,050	1,100	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
Previous	2,000	120,000	5,000	2,600	1,750	1,200	1,180	1,100	1,050	1,020	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
Selected	2,000	120,000	5,000	2,600	1,750	1,200	1,180	1,100	1,050	1,020	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
Cumulative	9108,315	4554,158	37,951	7,590	2,919	1,668	1,390	1,178	1,071	1,020	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
Percent	0.0%	0.0%	2.6%	13.2%	34.3%	59.9%	71.9%	84.9%	93.4%	98.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Amounts are limited (net of excess insurance).
Data was provided by the County.



COOK COUNTY, ILLINOIS
MEDICAL MALPRACTICE - PROVIDENT HOSPITAL

Historical Limited Reported Incurred Losses (\$'000) and Limited Reported Incurred Loss Development

I. Historical Limited Reported Incurred Losses (\$'000)

Claim Period	Months of Development:																					
	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204	216	228	240		
to 1/9/94/95																						
1995/96	150	3,300	3,925	1,900	1,250	550	550	550	550	550	550	550	550	550	550	550	550	550	550	550	550	550
1996/97	100	1,526	1,076	4,801	4,101	4,851	4,851	4,391	4,391	4,391	4,391	4,391	4,391	4,391	4,391	4,391	4,391	4,391	4,391	4,391	4,391	4,391
1997/98	2,250	3,175	2,005	2,765	3,755	3,655	3,655	3,255	3,255	3,330	3,255	3,255	3,255	3,255	3,255	3,255	3,255	3,255	3,255	3,255	3,255	3,255
1998/99	750	4,200	4,250	2,750	2,950	1,300	265	985	1,245	1,245	1,245	1,245	1,245	1,245	1,245	1,245	1,245	1,245	1,245	1,245	1,245	1,245
1999/00	0	2,500	4,650	4,085	2,085	2,485	2,485	2,485	2,485	2,485	2,485	2,485	2,485	2,485	2,485	2,485	2,485	2,485	2,485	2,485	2,485	2,485
2000/01	405	875	845	845	845	5,345	345	345	345	345	345	345	345	345	345	345	345	345	345	345	345	345
2001/02	615	2,385	2,035	1,800	1,700	2,800	250	1,200	200	200	200	200	200	200	200	200	200	200	200	200	200	200
2002/03	2,915	2,725	2,600	2,350	4,050	2,025	1,025	1,025	1,025	1,025	1,025	1,025	1,025	1,025	1,025	1,025	1,025	1,025	1,025	1,025	1,025	1,025
2003/04	5,550	10,061	5,550	6,510	8,360	7,860	7,860	7,860	7,860	7,860	7,860	7,860	7,860	7,860	7,860	7,860	7,860	7,860	7,860	7,860	7,860	7,860
2004/05	3,900	3,625	290	840	890	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90
2005/06	2,550	3,250	1,150	2,250	2,750	3,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000
2006/07	50	150	100	0	0	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500
2007/08	200	115	250	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300
2008/09	150	1,150	500	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300
2009/10	185	1,575	950	800	800	800	800	800	800	800	800	800	800	800	800	800	800	800	800	800	800	800
2010/11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2011/12	130	580	1,300	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2012/13	0	50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2013/14	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

II. Limited Reported Incurred Loss Development

Claim Period	Months of Development:																						
	12-24	24-36	36-48	48-60	60-72	72-84	84-96	96-108	108-120	120-132	132-144	144-156	156-168	168-180	180-192	192-204	204-216	216-228	228-240	240-Ult			
to 1/9/94/95																							
1995/96	22,000	1,189	0,484	0,658	0,440	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
1996/97	15,200	0,705	4,462	0,864	1,163	1,000	0,966	0,899	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
1997/98	1,411	0,631	1,374	1,363	1,027	1,000	0,844	1,031	0,993	0,977	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
1998/99	5,600	1,012	0,647	1,073	0,441	0,204	3,755	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
1999/00	1,860	0,878	0,510	1,192	1,192	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
2000/01	2,160	0,629	1,536	1,000	6,325	0,085	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
2001/02	3,878	0,853	0,985	0,944	1,647	0,089	4,800	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
2002/03	0,935	0,954	0,904	1,723	0,500	0,506	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
2003/04	1,813	0,552	1,173	1,284	0,940	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
2004/05	0,929	0,080	2,897	1,060	1,011	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
2005/06	1,275	0,354	1,957	1,222	1,091	1,000	0,667	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
2006/07	3,000	0,667	0,000	1,000	1,000	1,000	0,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
2007/08	0,575	2,174	1,200	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
2008/09	7,667	0,435	0,600	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
2009/10	8,514	0,603	0,842	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
2010/11	4,462	2,241	1,323	1,049	1,299	0,733	1,442	0,950	0,999	0,997	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
2011/12	5,299	0,934	0,759	1,000	1,833	0,737	0,807	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
2012/13	4,846	1,044	0,881	1,000	0,881	0,889	0,667	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
2013/14			0,861			1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
Average																							
All	3,600	2,100	1,400	1,140	1,040	1,003	1,002	1,001	1,001	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
Wtd 3	2,000	1,100	1,100	1,100	1,050	1,020	1,020	1,010	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
Last 3	2,000	1,100	1,100	1,100	1,050	1,020	1,020	1,010	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
Last 5	2,000	1,100	1,100	1,100	1,050	1,020	1,020	1,010	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
x-tilt/low	34.0%	68.1%	74.9%	82.4%	90.6%	95.2%	97.1%	99.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	

Amounts are limited (net of excess insurance).

Data was provided by the County.



COOK COUNTY, ILLINOIS
MEDICAL MALPRACTICE - PROVIDENT HOSPITAL

Historical Ratio of Limited Paid Losses and Limited Reported Incurred Losses

Claim Period	Months of Development:																					
	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204	216	228	240		
to 1/994/05																						
1995/06	0.0%	0.0%	7.6%	15.8%	24.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
1996/07	0.0%	0.1%	0.1%	0.0%	61.0%	51.6%	72.2%	89.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
1997/08	0.0%	0.0%	0.2%	81.9%	60.1%	58.5%	58.5%	100.0%	100.0%	100.0%	97.7%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
1998/09	0.0%	0.0%	0.0%	0.0%	5.1%	11.5%	62.3%	48.7%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
1999/00	0.0%	0.0%	0.0%	22.9%	44.8%	39.6%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
2000/01	0.0%	0.0%	0.0%	40.8%	40.8%	6.5%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
2001/02	0.0%	0.0%	0.0%	0.0%	0.0%	7.1%	80.0%	16.7%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
2002/03	0.0%	0.0%	0.0%	0.0%	0.0%	50.6%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
2003/04	0.0%	0.0%	0.0%	53.9%	76.1%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
2004/05	0.0%	0.0%	0.0%	10.7%	10.1%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
2005/06	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
2006/07	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
2007/08	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
2008/09	0.0%	0.0%	0.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
2009/10	0.0%	0.0%	0.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
2010/11	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
2011/12	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
2012/13	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
2013/14	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Average																						
All		0.1%	2.4%	30.4%	44.5%	51.8%	74.8%	78.7%	90.6%	99.8%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Last 3						66.7%	33.3%	66.7%	66.7%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Last 5						66.7%	66.7%	72.2%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
x-high																						
Implicit		0.0%	3.5%	16.0%	37.8%	63.0%	74.1%	85.7%	93.4%	98.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%



COOK COUNTY, ILLINOIS
MEDICAL MALPRACTICE - PROVIDENT HOSPITAL

Exhibit MM-Provident-3

Developed Limited Paid Losses

Claim Period (1)	Months of Development 11/30/14 (2)	Limited Paid Losses 11/30/14 (3)	Percent Losses Paid (4)	Developed Limited Paid Losses (3)/(4) (5)
to 1994/95	240.0	\$2,294,000	100.0%	\$2,294,000
1995/96	228.0	550,000	100.0%	550,000
1996/97	216.0	4,391,000	100.0%	4,391,000
1997/98	204.0	3,255,000	100.0%	3,255,000
1998/99	192.0	1,245,000	100.0%	1,245,000
1999/00	180.0	2,485,000	100.0%	2,485,000
2000/01	168.0	345,000	100.0%	345,000
2001/02	156.0	200,000	100.0%	200,000
2002/03	144.0	1,025,000	100.0%	1,025,000
2003/04	132.0	7,860,000	100.0%	7,860,000
2004/05	120.0	90,000	98.0%	91,800
2005/06	108.0	0	93.4%	0
2006/07	96.0	0	84.9%	0
2007/08	84.0	300,000	71.9%	417,047
2008/09	72.0	300,000	59.9%	500,457
2009/10	60.0	800,000	34.3%	2,335,465
2010/11	48.0	0	13.2%	0
2011/12	36.0	0	2.6%	0
2012/13	24.0	0	0.0%	0
2013/14	12.0	0	0.0%	0

(3) is from Exhibit MM-Provident-1.

(4) is from Exhibit MM-Provident-2.



COOK COUNTY, ILLINOIS
MEDICAL MALPRACTICE - PROVIDENT HOSPITAL

Exhibit MM-Provident-4

Developed Limited Reported Incurred Losses

Claim Period (1)	Months of Development 11/30/14 (2)	Limited Reported Incurred Losses 11/30/14 (3)	Percent Losses Reported (4)	Developed Limited Reported Incurred Losses (3)/(4) (5)
to 1994/95	240.0	\$2,294,000	100.0%	\$2,294,000
1995/96	228.0	550,000	100.0%	550,000
1996/97	216.0	4,391,000	100.0%	4,391,000
1997/98	204.0	3,255,000	100.0%	3,255,000
1998/99	192.0	1,245,000	100.0%	1,245,000
1999/00	180.0	2,485,000	100.0%	2,485,000
2000/01	168.0	345,000	100.0%	345,000
2001/02	156.0	200,000	100.0%	200,000
2002/03	144.0	1,025,000	100.0%	1,025,000
2003/04	132.0	7,860,000	100.0%	7,860,000
2004/05	120.0	90,000	100.0%	90,000
2005/06	108.0	2,000,000	100.0%	2,000,000
2006/07	96.0	0	99.0%	0
2007/08	84.0	300,000	97.1%	309,060
2008/09	72.0	300,000	95.2%	315,241
2009/10	60.0	800,000	90.6%	882,675
2010/11	48.0	0	82.4%	0
2011/12	36.0	1,300,000	74.9%	1,735,560
2012/13	24.0	50,000	68.1%	73,428
2013/14	12.0	100,000	34.0%	293,710

(3) is from Exhibit MM-Provident-1.

(4) is from Exhibit MM-Provident-2.



COOK COUNTY, ILLINOIS
 MEDICAL MALPRACTICE - PROVIDENT HOSPITAL

Exhibit MM-Provident-5

Developed Limited Case Reserves

Claim Period (1)	Months of Development 11/30/14 (2)	Percent Losses Paid (3)	Percent Losses Reported (4)	Percent Losses Reserved 11/30/14 [(4)-(3)]/ [100.0%-(3)] (5)	Limited Paid Losses 11/30/14 (6)	Limited Case Reserves 11/30/14 (7)	Developed Limited Case Reserves (6)+(7)/(5) (8)
to 1994/95	240.0	100.0%	100.0%	100.0%	\$2,294,000	\$0	\$2,294,000
1995/96	228.0	100.0%	100.0%	100.0%	550,000	0	550,000
1996/97	216.0	100.0%	100.0%	100.0%	4,391,000	0	4,391,000
1997/98	204.0	100.0%	100.0%	100.0%	3,255,000	0	3,255,000
1998/99	192.0	100.0%	100.0%	100.0%	1,245,000	0	1,245,000
1999/00	180.0	100.0%	100.0%	100.0%	2,485,000	0	2,485,000
2000/01	168.0	100.0%	100.0%	100.0%	345,000	0	345,000
2001/02	156.0	100.0%	100.0%	100.0%	200,000	0	200,000
2002/03	144.0	100.0%	100.0%	100.0%	1,025,000	0	1,025,000
2003/04	132.0	100.0%	100.0%	100.0%	7,860,000	0	7,860,000
2004/05	120.0	98.0%	100.0%	100.0%	90,000	0	90,000
2005/06	108.0	93.4%	100.0%	100.0%	0	2,000,000	2,000,000
2006/07	96.0	84.9%	99.0%	93.5%	0	0	0
2007/08	84.0	71.9%	97.1%	89.6%	300,000	0	300,000
2008/09	72.0	59.9%	95.2%	87.9%	300,000	0	300,000
2009/10	60.0	34.3%	90.6%	85.8%	800,000	0	800,000
2010/11	48.0	13.2%	82.4%	79.7%	0	0	0
2011/12	36.0	2.6%	74.9%	74.2%	0	1,300,000	1,751,441
2012/13	24.0	0.0%	68.1%	68.1%	0	50,000	73,435
2013/14	12.0	0.0%	34.0%	34.0%	0	100,000	293,773

(3) and (4) are from Exhibit MM-Provident-2.

(6) and (7) are from Exhibit MM-Provident-1.



COOK COUNTY, ILLINOIS
 MEDICAL MALPRACTICE - PROVIDENT HOSPITAL

Exhibit MM-Provident-6

Preliminary Projected Ultimate Limited Losses to 2013/14

Claim Period (1)	Developed Limited Paid Losses (2)	Developed Limited Reported Incurred Losses (3)	Developed Limited Case Reserves (4)	Preliminary Projected Ultimate Limited Losses (5)
to 1994/95	\$2,294,000	\$2,294,000	\$2,294,000	\$2,294,000
1995/96	550,000	550,000	550,000	550,000
1996/97	4,391,000	4,391,000	4,391,000	4,391,000
1997/98	3,255,000	3,255,000	3,255,000	3,255,000
1998/99	1,245,000	1,245,000	1,245,000	1,245,000
1999/00	2,485,000	2,485,000	2,485,000	2,485,000
2000/01	345,000	345,000	345,000	345,000
2001/02	200,000	200,000	200,000	200,000
2002/03	1,025,000	1,025,000	1,025,000	1,025,000
2003/04	7,860,000	7,860,000	7,860,000	7,860,000
2004/05	91,800	90,000	90,000	90,000
2005/06	0	2,000,000	2,000,000	2,200,000
2006/07	0	0	0	0
2007/08	417,047	309,060	300,000	300,000
2008/09	500,457	315,241	300,000	300,000
2009/10	2,335,465	882,675	800,000	800,000
2010/11	0	0	0	0
2011/12	0	1,735,560	1,751,441	1,430,000
2012/13	0	73,428	73,435	58,745
2013/14	0	293,710	293,773	234,993

(2) is from Exhibit MM-Provident-3.

(3) is from Exhibit MM-Provident-4.

(4) is from Exhibit MM-Provident-5.

(5) is based on (2) to (4) and actuarial judgment.



Bornhuetter - Ferguson Analysis

I. A-priori Loss Rate

Claim Period (1)	Preliminary Projected Ultimate Limited Losses (2)	Occupied Bed Equivalents (3)	Limited Loss Rate per Occupied Bed Equivalent (2)/(3) (4)	Loss Rate Trend (2014/15 = 1.000) (5)	Trended Limited Loss Rate per Occupied Bed Equivalent (4)X(5) (6)	Projected A-priori Loss Rate per Occupied Bed Equivalent (7)/(5) (8)
2004/05	\$90,000	391	\$230.21	1.510	\$347.58	\$1,245.56
2005/06	2,200,000	381	5,778.06	1.452	8,388.46	1,295.38
2006/07	0	375	0.00	1.396	0.00	1,347.20
2007/08	300,000	389	770.48	1.342	1,034.18	1,401.09
2008/09	300,000	525	570.92	1.291	736.84	1,457.13
2009/10	800,000	373	2,145.73	1.230	2,639.97	1,528.53
2010/11	0	373	0.00	1.152	0.00	1,632.03
2011/12	1,430,000	363	3,941.19	1.108	4,366.81	1,697.31
2012/13	58,745	238	246.71	1.078	265.85	1,745.27
2013/14	234,993	238	986.91	1.040	1,026.39	1,808.28

(7) Projected 2014/15 a-priori loss rate per Occupied Bed Equivalent \$1,880.61

II. Bornhuetter - Ferguson Analysis Based on Limited Paid Losses

Claim Period (1)	Limited Paid Losses 11/30/14 (2)	Percent Losses Paid (3)	Projected A-priori Loss Rate per Occupied Bed Equivalent (4)	Occupied Bed Equivalents (5)	B-F Unpaid Losses [100.0%-(3)] X(4)X(5) (6)	B-F Ultimate Limited Paid Losses (2)+(6) (7)
2009/10	\$800,000	34.3%	\$1,528.53	373	\$374,675	\$1,174,675
2010/11	0	13.2%	1,632.03	373	528,312	528,312
2011/12	0	2.6%	1,697.31	363	599,616	599,616
2012/13	0	0.0%	1,745.27	238	415,474	415,474
2013/14	0	0.0%	1,808.28	238	430,520	430,520

III. Bornhuetter - Ferguson Analysis Based on Limited Reported Incurred Losses

Claim Period (1)	Limited Reported Incurred Losses 11/30/14 (2)	Percent Losses Reported (3)	Projected A-priori Loss Rate per Occupied Bed Equivalent (4)	Occupied Bed Equivalents (5)	B-F Unreported Losses [100.0%-(3)] X(4)X(5) (6)	B-F Ultimate Limited Reported Losses (2)+(6) (7)
2009/10	\$800,000	90.6%	\$1,528.53	373	\$53,378	\$853,378
2010/11	0	82.4%	1,632.03	373	107,128	107,128
2011/12	1,300,000	74.9%	1,697.31	363	154,553	1,454,553
2012/13	50,000	68.1%	1,745.27	238	132,589	182,589
2013/14	100,000	34.0%	1,808.28	238	283,971	383,971

Section I, (2) is from Exhibit MM-Provident-6.

Section I, (3), Section II, (5) and Section III, (5) are from Exhibit MM-Provident-10.

Section I, (5) is based on a 4% trend and adjusted for change in retention.

Section I, (7) is based on Section I, (6) and actuarial judgment.

Sections II and III, (2) are from Exhibit MM-Provident-1.

Sections II and III, (3) are from Exhibit MM-Provident-2.

Sections II and III, (4) are from Section I, (8).



Frequency Times Severity Analysis

I. Projected Ultimate Claims

Claim Period (1)	Months of Development 11/30/14 (2)	Reported Claims 11/30/14 (3)	Percent Claims Reported (4)	Projected Ultimate Claims (3)/(4) (5)	Occupied Bed Equivalents (6)	Frequency (per Occupied Bed Equivalent) (5)/(6) (7)
2004/05	120.0	11	100.0%	11	391	0.03
2005/06	108.0	7	100.0%	7	381	0.02
2006/07	96.0	2	100.0%	2	375	0.01
2007/08	84.0	2	100.0%	2	389	0.01
2008/09	72.0	3	100.0%	3	525	0.01
2009/10	60.0	4	100.0%	4	373	0.01
2010/11	48.0	0	100.0%	0	373	0.00
2011/12	36.0	4	98.0%	4	363	0.01
2012/13	24.0	1	89.1%	1	238	0.00
2013/14	12.0	1	59.4%	2	238	0.01

II. Frequency Times Severity

Claim Period (1)	Preliminary Projected Ultimate Limited Losses (2)	Projected Ultimate Claims (3)	Average Severity (2)/(3) (4)	Severity Trend (2014/15 = 1.000) (5)	Trended Average Claim Severity (4)X(5) (6)	De-Trended Projected 2014/15 Average Claim Severity (7)/(5) (8)	Frequency Times Severity (3)X(8) (9)
2004/05	\$90,000	11	\$8,182	1.510	\$12,353	\$107,739	\$1,185,130
2005/06	2,200,000	7	314,286	1.452	456,273	112,049	784,341
2006/07	0	2	0	1.396	0	116,531	233,061
2007/08	300,000	2	150,000	1.342	201,338	121,192	242,384
2008/09	300,000	3	100,000	1.291	129,063	126,040	378,119
2009/10	800,000	4	200,000	1.230	246,068	132,215	528,861
2010/11	0	0	0	1.152	0	141,168	0
2011/12	1,430,000	4	357,500	1.108	396,107	146,815	587,260
2012/13	58,745	1	58,745	1.078	63,300	150,964	150,964
2013/14	234,993	2	117,497	1.040	122,196	156,413	312,827
(7) Projected 2014/15 average claim severity						\$162,670	

Section I, (3) is from Exhibit MM-Provident-1.

Section I, (4) is from Exhibit MM-Provident-2.

Section I, (6) is from Exhibit MM-Provident-10.

Section II, (2) is from Exhibit MM-Provident-6.

Section II, (3) is from Section I, (5).

Section II, (5) is based on a 4% trend and adjusted for change in retention.

Section II, (7) is based on (6) and actuarial judgment.



COOK COUNTY, ILLINOIS
MEDICAL MALPRACTICE - PROVIDENT HOSPITAL

Exhibit MM-Provident-9

Projected Ultimate Limited Losses to 2013/14

Claim Period (1)	Developed Limited Paid Losses (2)	Developed Limited Reported Incurred Losses (3)	Developed Limited Case Reserves (4)	B-F Ultimate Limited Paid Losses (5)	B-F Ultimate Limited Reported Losses (6)	Frequency Times Severity (7)	Prior Projected Ultimate Limited Losses (8)	Projected Ultimate Limited Losses (9)
to 1994/95	\$2,294,000	\$2,294,000	\$2,294,000				\$2,294,000	\$2,294,000
1995/96	550,000	550,000	550,000				550,000	550,000
1996/97	4,391,000	4,391,000	4,391,000				4,391,000	4,391,000
1997/98	3,255,000	3,255,000	3,255,000				3,255,000	3,255,000
1998/99	1,245,000	1,245,000	1,245,000				1,245,000	1,245,000
1999/00	2,485,000	2,485,000	2,485,000				2,485,000	2,485,000
2000/01	345,000	345,000	345,000				345,000	345,000
2001/02	200,000	200,000	200,000				200,000	200,000
2002/03	1,025,000	1,025,000	1,025,000				1,025,000	1,025,000
2003/04	7,860,000	7,860,000	7,860,000				7,860,000	7,860,000
2004/05	91,800	90,000	90,000				90,000	90,000
2005/06	0	2,000,000	2,000,000				2,200,000	2,200,000
2006/07	0	0	0				550,000	0
2007/08	417,047	309,060	300,000				700,000	400,000
2008/09	500,457	315,241	300,000				1,000,000	500,000
2009/10	2,335,465	882,675	800,000	1,174,675	853,378	528,861	1,500,000	1,100,000
2010/11	0	0	0	528,312	107,128		1,500,000	500,000
2011/12	0	1,735,560	1,751,441	599,616	1,454,553	587,260	2,000,000	2,000,000
2012/13	0	73,428	73,435	415,474	182,589	150,964	1,750,000	1,300,000
2013/14	0	293,710	293,773	430,520	383,971	312,827	1,744,000	1,700,000
Total	\$26,994,770 #	\$29,349,675 #	\$29,258,649 #	\$3,148,597 #	\$2,981,619 #	\$1,579,912 #	\$36,684,000 #	\$33,440,000
Total 5 Years	2,335,465 0	2,985,374 0	2,918,649 0	3,148,597 0	2,981,619 0	1,579,912 0	8,494,000 #	6,600,000

(2) is from Exhibit MM-Provident-3.

(3) is from Exhibit MM-Provident-4.

(4) is from Exhibit MM-Provident-5.

(5) and (6) are from Exhibit MM-Provident-7.

(7) is from Exhibit MM-Provident-8.

(8) is based on (2) to (7) and actuarial judgment.



COOK COUNTY, ILLINOIS
 MEDICAL MALPRACTICE - PROVIDENT HOSPITAL

Exhibit MM-Provident-10

Projected Ultimate Limited Losses for 2014/15 and Subsequent

Claim Period (1)	Projected Ultimate Limited Losses (2)	Occupied Bed Equivalents (3)	Limited Loss Rate per Occupied Bed Equivalent (2)/(3) (4)	Loss Rate Trend (2014/15 = 1.000) (5)	Trended Limited Loss Rate per Occupied Bed Equivalent (4)X(5) (6)	Present Value of Projected Limited Loss Rate per Occupied Bed Equivalent (7)X(10) (11)	Present Value of Projected Ultimate Limited Losses (8)X(11) (12)
2004/05	\$90,000	391	\$230.21	1.510	\$347.58		
2005/06	2,200,000	381	5,778.06	1.452	8,388.46		
2006/07	0	375	0.00	1.396	0.00		
2007/08	400,000	389	1,027.31	1.342	1,378.90		
2008/09	500,000	525	951.53	1.291	1,228.07		
2009/10	1,100,000	373	2,950.37	1.230	3,629.96		
2010/11	500,000	373	1,341.08	1.152	1,545.34		
2011/12	2,000,000	363	5,512.16	1.108	6,107.42		
2012/13	1,300,000	238	5,459.68	1.078	5,883.05		
2013/14	1,700,000	238	7,139.58	1.040	7,425.16		
Total	\$9,790,000	3,646	\$2,685.17		\$3,593.39		
2014/15	\$3,593.39	213	\$764,000	0.82	\$2,953.82	\$628,000	
2015/16	3,737.13	213	795,000	0.82	3,071.98	654,000	
2016/17	3,886.62	213	827,000	0.82	3,194.86	680,000	

(2) is from Exhibit MM-Provident-9.

(3) was provided by the County.

(5) is based on a 4% trend and adjusted for change in retention.

(7) for 2014/15 is based on (6) and actuarial judgment.

(7) for 2015/16 and subsequent are based on 2014/15 plus a 4% trend.

(8) to 2014/15 was provided by the County. Other claim periods are based on a 0% trend.

(10) is based on a 3.4% interest rate and the payout pattern in Exhibit MM-Provident-2.



COOK COUNTY, ILLINOIS
MEDICAL MALPRACTICE - PROVIDENT HOSPITAL

Exhibit MM-Provident-11

Estimated Outstanding Losses as of November 30, 2014

Claim Period (1)	Limited Paid Losses 11/30/14 (2)	Limited Case Reserves 11/30/14 (3)	Limited Reported Incurred Losses 11/30/14 (4)	Projected Ultimate Limited Losses (5)	Estimated IBNR 11/30/14 (5)-(4) (6)	Estimated Outstanding Losses 11/30/14 (3)+(6) (7)	Present Value Factor (8)	Present Value of Estimated Outstanding Losses 11/30/14 (7)X(8) (9)
to 1994/95	\$2,294,000	\$0	\$2,294,000	\$2,294,000	\$0	\$0	1.00	\$0
1995/96	550,000	0	550,000	550,000	0	0	1.00	0
1996/97	4,391,000	0	4,391,000	4,391,000	0	0	1.00	0
1997/98	3,255,000	0	3,255,000	3,255,000	0	0	1.00	0
1998/99	1,245,000	0	1,245,000	1,245,000	0	0	1.00	0
1999/00	2,485,000	0	2,485,000	2,485,000	0	0	1.00	0
2000/01	345,000	0	345,000	345,000	0	0	1.00	0
2001/02	200,000	0	200,000	200,000	0	0	1.00	0
2002/03	1,025,000	0	1,025,000	1,025,000	0	0	1.00	0
2003/04	7,860,000	0	7,860,000	7,860,000	0	0	1.00	0
2004/05	90,000	0	90,000	90,000	0	0	0.98	0
2005/06	0	2,000,000	2,000,000	2,200,000	200,000	2,200,000	0.97	2,142,486
2006/07	0	0	0	0	0	0	0.97	0
2007/08	300,000	0	300,000	400,000	100,000	100,000	0.96	95,650
2008/09	300,000	0	300,000	500,000	200,000	200,000	0.94	188,505
2009/10	800,000	0	800,000	1,100,000	300,000	300,000	0.94	281,887
2010/11	0	0	0	500,000	500,000	500,000	0.93	463,430
2011/12	0	1,300,000	1,300,000	2,000,000	700,000	2,000,000	0.91	1,811,611
2012/13	0	50,000	50,000	1,300,000	1,250,000	1,300,000	0.88	1,142,476
2013/14	0	100,000	100,000	1,700,000	1,600,000	1,700,000	0.85	1,444,906
Total	\$25,140,000	\$3,450,000	\$28,590,000	\$33,440,000	\$4,850,000	\$8,300,000		\$7,570,951

(2), (3) and (4) are net of specific self insured retention and aggregate retention.

(5) is from Exhibit MM-Provident-9.

(8) is based on a 3.4% interest rate and the payout pattern in Exhibit MM-Provident-2.



COOK COUNTY, ILLINOIS
MEDICAL MALPRACTICE - PROVIDENT HOSPITAL

Exhibit MM-Provident-12

Projected Losses Paid December 1, 2014 to November 30, 2015

Claim Period (1)	Months of Development 11/30/14 (2)	Percent Losses Paid (3)	Months of Development 11/30/15 (4)	Percent Losses Paid (5)	Percent Outstanding Losses Paid 12/1/14 to 11/30/15 [(5)-(3)]/ [100.0%-(3)] (6)	Estimated Outstanding Losses 11/30/14 (7)	Projected Losses Paid (6)X(7) (8)	Estimated Outstanding Losses 11/30/15 (7)-(8) (9)	Present Value Factor (10)	Present Value of Estimated Outstanding Losses 11/30/15 (9)X(10) (11)
to 1994/95	240.0	100.0%	252.0	100.0%	100.0%	\$0	\$0	\$0	1.00	\$0
1995/96	228.0	100.0%	240.0	100.0%	100.0%	0	0	0	1.00	0
1996/97	216.0	100.0%	228.0	100.0%	100.0%	0	0	0	1.00	0
1997/98	204.0	100.0%	216.0	100.0%	100.0%	0	0	0	1.00	0
1998/99	192.0	100.0%	204.0	100.0%	100.0%	0	0	0	1.00	0
1999/00	180.0	100.0%	192.0	100.0%	100.0%	0	0	0	1.00	0
2000/01	168.0	100.0%	180.0	100.0%	100.0%	0	0	0	1.00	0
2001/02	156.0	100.0%	168.0	100.0%	100.0%	0	0	0	1.00	0
2002/03	144.0	100.0%	156.0	100.0%	100.0%	0	0	0	1.00	0
2003/04	132.0	100.0%	144.0	100.0%	100.0%	0	0	0	1.00	0
2004/05	120.0	98.0%	132.0	100.0%	100.0%	0	0	0	1.00	0
2005/06	108.0	93.4%	120.0	98.0%	70.4%	2,200,000	1,549,296	650,704	0.98	639,916
2006/07	96.0	84.9%	108.0	93.4%	56.1%	0	0	0	0.97	0
2007/08	84.0	71.9%	96.0	84.9%	46.1%	100,000	46,135	53,865	0.97	51,990
2008/09	72.0	59.9%	84.0	71.9%	29.9%	200,000	59,863	140,137	0.96	134,041
2009/10	60.0	34.3%	72.0	59.9%	39.1%	300,000	117,228	182,772	0.94	172,267
2010/11	48.0	13.2%	60.0	34.3%	24.3%	500,000	121,391	378,609	0.94	355,750
2011/12	36.0	2.6%	48.0	13.2%	10.8%	2,000,000	216,501	1,783,499	0.93	1,653,055
2012/13	24.0	0.0%	36.0	2.6%	2.6%	1,300,000	33,976	1,266,024	0.91	1,146,772
2013/14	12.0	0.0%	24.0	0.0%	0.0%	1,700,000	187	1,699,813	0.88	1,493,843
2014/15	0.0	0.0%	12.0	0.0%	0.0%	764,000	84	763,916	0.85	649,287
Total						\$9,064,000	\$2,144,661	\$6,919,339		\$6,296,921

(3) and (5) are from Exhibit MM-Provident-2.

(7) to 2013/14 is from Exhibit MM-Provident-11. The amount for 2014/15 is from Exhibit MM-Provident-10.

(10) is based on a 3.4% interest rate and the payout pattern in Exhibit MM-Provident-2.



COOK COUNTY, ILLINOIS
MEDICAL MALPRACTICE - PROVIDENT HOSPITAL

Exhibit MM-Provident-13

Projected Losses Paid December 1, 2015 to November 30, 2016

Claim Period (1)	Months of Development 11/30/15 (2)	Percent Losses Paid (3)	Months of Development 11/30/16 (4)	Percent Losses Paid (5)	Percent Outstanding Losses Paid 12/1/15 to 11/30/16 [(5)-(3)]/ [100.0%-(3)] (6)	Estimated Outstanding Losses 11/30/15 (7)	Projected Losses Paid (6)X(7) (8)	Estimated Outstanding Losses 11/30/16 (7)-(8) (9)	Present Value Factor (10)	Present Value of Estimated Outstanding Losses 11/30/16 (9)X(10) (11)
to 1994/95	252.0	100.0%	264.0	100.0%	100.0%	\$0	\$0	\$0	1.00	\$0
1995/96	240.0	100.0%	252.0	100.0%	100.0%	0	0	0	1.00	0
1996/97	228.0	100.0%	240.0	100.0%	100.0%	0	0	0	1.00	0
1997/98	216.0	100.0%	228.0	100.0%	100.0%	0	0	0	1.00	0
1998/99	204.0	100.0%	216.0	100.0%	100.0%	0	0	0	1.00	0
1999/00	192.0	100.0%	204.0	100.0%	100.0%	0	0	0	1.00	0
2000/01	180.0	100.0%	192.0	100.0%	100.0%	0	0	0	1.00	0
2001/02	168.0	100.0%	180.0	100.0%	100.0%	0	0	0	1.00	0
2002/03	156.0	100.0%	168.0	100.0%	100.0%	0	0	0	1.00	0
2003/04	144.0	100.0%	156.0	100.0%	100.0%	0	0	0	1.00	0
2004/05	132.0	100.0%	144.0	100.0%	100.0%	0	0	0	1.00	0
2005/06	120.0	98.0%	132.0	100.0%	100.0%	650,704	650,704	0	1.00	0
2006/07	108.0	93.4%	120.0	98.0%	70.4%	0	0	0	0.98	0
2007/08	96.0	84.9%	108.0	93.4%	56.1%	53,865	30,244	23,621	0.97	23,003
2008/09	84.0	71.9%	96.0	84.9%	46.1%	140,137	64,652	75,485	0.97	72,857
2009/10	72.0	59.9%	84.0	71.9%	29.9%	182,772	54,707	128,065	0.96	122,495
2010/11	60.0	34.3%	72.0	59.9%	39.1%	378,609	147,946	230,663	0.94	217,405
2011/12	48.0	13.2%	60.0	34.3%	24.3%	1,783,499	433,002	1,350,497	0.94	1,268,958
2012/13	36.0	2.6%	48.0	13.2%	10.8%	1,266,024	137,048	1,128,976	0.93	1,046,404
2013/14	24.0	0.0%	36.0	2.6%	2.6%	1,699,813	44,426	1,655,387	0.91	1,499,459
2014/15	12.0	0.0%	24.0	0.0%	0.0%	763,916	84	763,832	0.88	671,277
2015/16	0.0	0.0%	12.0	0.0%	0.0%	795,000	87	794,913	0.85	675,632
Total						\$7,714,339	\$1,562,900	\$6,151,439		\$5,597,490

(3) and (5) are from Exhibit MM-Provident-2.

(7) to 2014/15 is from Exhibit MM-Provident-12, (9). The amount for 2015/16 is from Exhibit MM-Provident-10.

(10) is based on a 3.4% interest rate and the payout pattern in Exhibit MM-Provident-2.



COOK COUNTY, ILLINOIS
MEDICAL MALPRACTICE - PROVIDENT HOSPITAL

Exhibit MM-Provident-14

Projected Losses Paid December 1, 2016 to November 30, 2017

Claim Period (1)	Months of Development 11/30/16 (2)	Percent Losses Paid (3)	Months of Development 11/30/17 (4)	Percent Losses Paid (5)	Percent Outstanding Losses Paid 12/1/16 to 11/30/17 [(5)-(3)]/ [100.0%-(3)] (6)	Estimated Outstanding Losses 11/30/16 (7)	Projected Losses Paid (6)X(7) (8)	Estimated Outstanding Losses 11/30/17 (7)-(8) (9)	Present Value Factor (10)	Present Value of Estimated Outstanding Losses 11/30/17 (9)X(10) (11)
to 1994/95	264.0	100.0%	276.0	100.0%	100.0%	\$0	\$0	\$0	1.00	\$0
1995/96	252.0	100.0%	264.0	100.0%	100.0%	0	0	0	1.00	0
1996/97	240.0	100.0%	252.0	100.0%	100.0%	0	0	0	1.00	0
1997/98	228.0	100.0%	240.0	100.0%	100.0%	0	0	0	1.00	0
1998/99	216.0	100.0%	228.0	100.0%	100.0%	0	0	0	1.00	0
1999/00	204.0	100.0%	216.0	100.0%	100.0%	0	0	0	1.00	0
2000/01	192.0	100.0%	204.0	100.0%	100.0%	0	0	0	1.00	0
2001/02	180.0	100.0%	192.0	100.0%	100.0%	0	0	0	1.00	0
2002/03	168.0	100.0%	180.0	100.0%	100.0%	0	0	0	1.00	0
2003/04	156.0	100.0%	168.0	100.0%	100.0%	0	0	0	1.00	0
2004/05	144.0	100.0%	156.0	100.0%	100.0%	0	0	0	1.00	0
2005/06	132.0	100.0%	144.0	100.0%	100.0%	0	0	0	1.00	0
2006/07	120.0	98.0%	132.0	100.0%	100.0%	0	0	0	1.00	0
2007/08	108.0	93.4%	120.0	98.0%	70.4%	23,621	16,635	6,986	0.98	6,870
2008/09	96.0	84.9%	108.0	93.4%	56.1%	75,485	42,383	33,102	0.97	32,237
2009/10	84.0	71.9%	96.0	84.9%	46.1%	128,065	59,083	68,982	0.97	66,580
2010/11	72.0	59.9%	84.0	71.9%	29.9%	230,663	69,041	161,622	0.96	154,592
2011/12	60.0	34.3%	72.0	59.9%	39.1%	1,350,497	527,722	822,775	0.94	775,484
2012/13	48.0	13.2%	60.0	34.3%	24.3%	1,128,976	274,096	854,880	0.94	803,265
2013/14	36.0	2.6%	48.0	13.2%	10.8%	1,655,387	179,197	1,476,190	0.93	1,368,223
2014/15	24.0	0.0%	36.0	2.6%	2.6%	763,832	19,963	743,869	0.91	673,801
2015/16	12.0	0.0%	24.0	0.0%	0.0%	794,913	87	794,826	0.88	698,515
2016/17	0.0	0.0%	12.0	0.0%	0.0%	827,000	91	826,909	0.85	702,827
Total						\$6,978,439	\$1,188,298	\$5,790,141		\$5,282,394

(3) and (5) are from Exhibit MM-Provident-2.

(7) to 2015/16 is from Exhibit MM-Provident-13, (9). The amount for 2016/17 is from Exhibit MM-Provident-10.

(10) is based on a 3.4% interest rate and the payout pattern in Exhibit MM-Provident-2.



COOK COUNTY, ILLINOIS
MEDICAL MALPRACTICE - PROVIDENT HOSPITAL

Exhibit MM-Provident-15

List of Large Claims
Reported Incurred Losses Greater Than \$1,000,000

Claim Number (1)	Date of Loss (2)	Claim Period (3)	Specific Self-Insured Retention (4)	Unlimited Paid Losses 11/30/14 (5)	Unlimited Case Reserves 11/30/14 (6)	Unlimited Reported Incurred Losses 11/30/14 (7)
97006011	2/20/2004	2003/04	\$20,000,000	\$1,500,000	\$0	\$1,500,000
97007664	9/3/2006	2005/06	20,000,000	0	2,000,000	2,000,000

Amounts are gross of excess insurance.

The claim(s) indicated by a "*" have been limited in development.

(1) through (7) were provided by the County.



COOK COUNTY, ILLINOIS
MEDICAL MALPRACTICE - PROVIDENT HOSPITAL

Exhibit MM-Provident-16

Calculation of Occupied Bed Equivalents

Claim Period (1)	Inpatients (2)	ER Visits (3)	Other Visits (4)	Other Visits (5)	Other Visits (6)	Physicians (7)	Occupied Bed Equivalents (8)
to 1994/95							
1995/96	67	42,851	45,047	668	224	24	237
1996/97	70	48,409	50,424	809	260	31	273
1997/98	70	52,833	47,555	998	401	28	272
1998/99	71	57,364	57,720	1,348	595	32	298
1999/00	71	57,449	59,353	1,304	644	38	315
2000/01	71	53,876	59,623	1,646	852	40	314
2001/02	75	52,325	62,898	1,652	950	63	379
2002/03	80	50,888	64,367	2,233	702	66	390
2003/04	78	51,988	50,698	2,371	450	66	385
2004/05	72	50,678	46,053	2,012	925	72	391
2005/06	76	47,949	45,248	1,853	656	69	381
2006/07	60	43,563	36,774	2,053	705	77	375
2007/08	57	40,370	42,204	1,885	604	85	389
2008/09	53	39,647	44,955	1,627	605	136	525
2009/10	45	40,000	49,663	1,505	605	83	373
2010/11	45	40,000	49,663	1,505	605	83	373
2011/12	45	35,000	49,663	1,505	605	83	363
2012/13	25	38,450	49,663	1,505	605	42	238
2013/14	25	38,450	49,663	1,505	605	42	238
2014/15	25	19,037	49,663	1,505	605	47	213

(2) through (7) were provided by the County. (4) through (6) assumes no change from 2009/10.

The exposures in (2) through (7) are converted to occupied bed equivalents using the following exposure conversion factors, which were published in the Aon/ASHRM Hospital Professional Liability and Physician Liability Benchmark Analysis published in October 2013. The weight for Housestaff is based on actuarial judgement.

Exposure	Conversion Factor
Inpatients	1.000
ER Visits	0.200 per 100
Other Visits	0.040 per 100
Physicians	2.750
Housestaff	0.800 (residents and interns)



COOK COUNTY, ILLINOIS
 MEDICAL MALPRACTICE - UNSPECIFIED HOSPITAL / AMBULATORY CARE

Data Summary as of November 30, 2014
 Losses Limited to Self-Insured Retention

Claim Period (1)	Specific Self-Insured Retention (2)	Aggregate Retention (3)	Months of Development 11/30/14 (4)	Occupied Bed Equivalents (5)	Reported Claims 11/30/14 (6)	Open Claims 11/30/14 (7)	Limited Paid Losses 11/30/14 (8)	Limited Case Reserves 11/30/14 (9)	Limited Reported Incurred Losses 11/30/14 (10)
to 1994/95	See Note	None	240.0	Not Provided	120	0	\$35,222,608	\$0	\$35,222,608
1995/96	Unlimited	None	228.0	Not Provided	1	0	0	0	0
1996/97	Unlimited	None	216.0	Not Provided	1	0	0	0	0
1997/98	Unlimited	None	204.0	Not Provided	2	0	8,500,000	0	8,500,000
1998/99	Unlimited	None	192.0	Not Provided	1	0	0	0	0
1999/00	Unlimited	None	180.0	Not Provided	0	0	0	0	0
2000/01	10,000,000	25,000,000	168.0	Not Provided	1	0	0	0	0
2001/02	15,000,000	50,000,000	156.0	Not Provided	6	0	750,000	0	750,000
2002/03	20,000,000	80,000,000	144.0	Not Provided	7	0	800,000	0	800,000
2003/04	20,000,000	None	132.0	Not Provided	8	0	0	0	0
2004/05	20,000,000	None	120.0	Not Provided	3	0	0	0	0
2005/06	20,000,000	None	108.0	Not Provided	4	0	1,320	0	1,320
2006/07	20,000,000	None	96.0	Not Provided	0	0	0	0	0
2007/08	20,000,000	None	84.0	Not Provided	0	0	0	0	0
2008/09	20,000,000	None	72.0	Not Provided	0	0	0	0	0
2009/10	40,000,000	None	60.0	443	1	1	0	1,000,000	1,000,000
2010/11	40,000,000	None	48.0	443	2	0	0	0	0
2011/12	40,000,000	None	36.0	443	1	0	0	0	0
2012/13	30,000,000	None	24.0	408	2	2	0	10,500	10,500
2013/14	30,000,000	None	12.0	408	0	0	0	0	0
Total					160	3	\$45,273,928	\$1,010,500	\$46,284,428

* The specific self-insured retention changes are as follows:

Effective Date	Retention
12/01/75	Unlimited
12/01/00	10,000,000
12/01/01	15,000,000
12/01/02	20,000,000
03/01/10	40,000,000
03/01/13	30,000,000

(8), (9) and (10) are net of the specific self-insured retention and other recoveries.

Data was provided by the County.



COOK COUNTY, ILLINOIS
 MEDICAL MALPRACTICE - UNSPECIFIED HOSPITAL / AMBULATORY CARE

Data Summary as of November 30, 2014
 Unlimited Losses

Claim Period (1)	Specific Self-Insured Retention (2)	Aggregate Retention (3)	Months of Development 11/30/14 (4)	Occupied Bed Equivalents (5)	Reported Claims 11/30/14 (6)	Open Claims 11/30/14 (7)	Unlimited Paid Losses 11/30/14 (8)	Unlimited Case Reserves 11/30/14 (9)	Unlimited Reported Incurred Losses 11/30/14 (10)
to 1994/95	Unlimited	None	240.0	Not Provided	120	0	\$35,222,608	\$0	\$35,222,608
1995/96	Unlimited	None	228.0	Not Provided	1	0	0	0	0
1996/97	Unlimited	None	216.0	Not Provided	1	0	0	0	0
1997/98	Unlimited	None	204.0	Not Provided	2	0	8,500,000	0	8,500,000
1998/99	Unlimited	None	192.0	Not Provided	1	0	0	0	0
1999/00	Unlimited	None	180.0	Not Provided	0	0	0	0	0
2000/01	Unlimited	25,000,000	168.0	Not Provided	1	0	0	0	0
2001/02	Unlimited	50,000,000	156.0	Not Provided	6	0	750,000	0	750,000
2002/03	Unlimited	80,000,000	144.0	Not Provided	7	0	800,000	0	800,000
2003/04	Unlimited	None	132.0	Not Provided	8	0	0	0	0
2004/05	Unlimited	None	120.0	Not Provided	3	0	0	0	0
2005/06	Unlimited	None	108.0	Not Provided	4	0	1,320	0	1,320
2006/07	Unlimited	None	96.0	Not Provided	0	0	0	0	0
2007/08	Unlimited	None	84.0	Not Provided	0	0	0	0	0
2008/09	Unlimited	None	72.0	Not Provided	0	0	0	0	0
2009/10	Unlimited	None	60.0	443	1	1	0	1,000,000	1,000,000
2010/11	Unlimited	None	48.0	443	2	0	0	0	0
2011/12	Unlimited	None	36.0	443	1	0	0	0	0
2012/13	Unlimited	None	24.0	408	2	2	0	10,500	10,500
2013/14	Unlimited	None	12.0	408	0	0	0	0	0
Total					160	3	\$45,273,928	\$1,010,500	\$46,284,428

(8), (9) and (10) are gross of the specific self-insured retention and other recoveries.

Data was provided by the County.



COOK COUNTY, ILLINOIS
 MEDICAL MALPRACTICE - UNSPECIFIED HOSPITAL / AMBULATORY CARE

Exhibit MM-Unspecified-2

Summary of Percent Losses Paid, Losses Reported and Claims Reported

Months of Development (1)	Percent Losses Paid (2)	Percent Losses Reported (3)	Percent Claims Reported (4)	Months of Development (5)	Percent Losses Paid (6)	Percent Losses Reported (7)	Percent Claims Reported (8)
360.0	100.0%	100.0%	100.0%	354.0	100.0%	100.0%	100.0%
348.0	100.0%	100.0%	100.0%	342.0	100.0%	100.0%	100.0%
336.0	100.0%	100.0%	100.0%	330.0	100.0%	100.0%	100.0%
324.0	100.0%	100.0%	100.0%	318.0	100.0%	100.0%	100.0%
312.0	100.0%	100.0%	100.0%	306.0	100.0%	100.0%	100.0%
300.0	100.0%	100.0%	100.0%	294.0	100.0%	100.0%	100.0%
288.0	100.0%	100.0%	100.0%	282.0	100.0%	100.0%	100.0%
276.0	100.0%	100.0%	100.0%	270.0	100.0%	100.0%	100.0%
264.0	100.0%	100.0%	100.0%	258.0	100.0%	100.0%	100.0%
252.0	100.0%	100.0%	100.0%	246.0	100.0%	100.0%	100.0%
240.0	100.0%	100.0%	100.0%	234.0	100.0%	100.0%	100.0%
228.0	100.0%	100.0%	100.0%	222.0	100.0%	100.0%	100.0%
216.0	100.0%	100.0%	100.0%	210.0	100.0%	100.0%	100.0%
204.0	100.0%	100.0%	100.0%	198.0	100.0%	100.0%	100.0%
192.0	100.0%	100.0%	100.0%	186.0	100.0%	100.0%	100.0%
180.0	100.0%	100.0%	100.0%	174.0	100.0%	100.0%	100.0%
168.0	100.0%	100.0%	100.0%	162.0	100.0%	100.0%	100.0%
156.0	100.0%	100.0%	100.0%	150.0	100.0%	100.0%	100.0%
144.0	100.0%	100.0%	100.0%	138.0	99.0%	100.0%	100.0%
132.0	98.0%	100.0%	100.0%	126.0	96.2%	100.0%	100.0%
120.0	94.3%	100.0%	100.0%	114.0	92.0%	99.5%	100.0%
108.0	89.8%	99.0%	100.0%	102.0	85.0%	98.0%	100.0%
96.0	80.2%	97.1%	100.0%	90.0	74.0%	96.1%	100.0%
84.0	67.9%	95.2%	100.0%	78.0	62.3%	94.2%	100.0%
72.0	56.6%	93.3%	100.0%	66.0	42.5%	91.1%	100.0%
60.0	28.3%	88.9%	100.0%	54.0	19.6%	85.8%	100.0%
48.0	10.9%	82.7%	100.0%	42.0	6.5%	78.9%	99.0%
36.0	2.2%	75.1%	98.0%	30.0	1.1%	68.9%	95.7%
24.0	0.0%	62.6%	93.4%	18.0	0.0%	52.2%	84.0%
12.0	0.0%	41.7%	74.7%	6.0	0.0%	20.9%	37.3%

(2), (3) and (4) are based on other similar programs with which we are familiar.

(6), (7) and (8) are interpolated, based on (2), (3) and (4), respectively.



COOK COUNTY, ILLINOIS
MEDICAL MALPRACTICE - UNSPECIFIED HOSPITAL / AMBULATORY CARE

Exhibit MM-Unspecified-3

Developed Limited Paid Losses

Claim Period (1)	Months of Development 11/30/14 (2)	Limited Paid Losses 11/30/14 (3)	Percent Losses Paid (4)	Developed Limited Paid Losses (3)/(4) (5)
to 1994/95	240.0	\$35,222,608	100.0%	\$35,222,608
1995/96	228.0	0	100.0%	0
1996/97	216.0	0	100.0%	0
1997/98	204.0	8,500,000	100.0%	8,500,000
1998/99	192.0	0	100.0%	0
1999/00	180.0	0	100.0%	0
2000/01	168.0	0	100.0%	0
2001/02	156.0	750,000	100.0%	750,000
2002/03	144.0	800,000	100.0%	800,000
2003/04	132.0	0	98.0%	0
2004/05	120.0	0	94.3%	0
2005/06	108.0	1,320	89.8%	1,470
2006/07	96.0	0	80.2%	0
2007/08	84.0	0	67.9%	0
2008/09	72.0	0	56.6%	0
2009/10	60.0	0	28.3%	0
2010/11	48.0	0	10.9%	0
2011/12	36.0	0	2.2%	0
2012/13	24.0	0	0.0%	0
2013/14	12.0	0	0.0%	0

(3) is from Exhibit MM-Unspecified-1.

(4) is from Exhibit MM-Unspecified-2.



COOK COUNTY, ILLINOIS
MEDICAL MALPRACTICE - UNSPECIFIED HOSPITAL / AMBULATORY CARE

Exhibit MM-Unspecified-4

Developed Limited Reported Incurred Losses

Claim Period (1)	Months of Development 11/30/14 (2)	Limited Reported Incurred Losses 11/30/14 (3)	Percent Losses Reported (4)	Developed Limited Reported Incurred Losses (3)/(4) (5)
to 1994/95	240.0	\$35,222,608	100.0%	\$35,222,608
1995/96	228.0	0	100.0%	0
1996/97	216.0	0	100.0%	0
1997/98	204.0	8,500,000	100.0%	8,500,000
1998/99	192.0	0	100.0%	0
1999/00	180.0	0	100.0%	0
2000/01	168.0	0	100.0%	0
2001/02	156.0	750,000	100.0%	750,000
2002/03	144.0	800,000	100.0%	800,000
2003/04	132.0	0	100.0%	0
2004/05	120.0	0	100.0%	0
2005/06	108.0	1,320	99.0%	1,333
2006/07	96.0	0	97.1%	0
2007/08	84.0	0	95.2%	0
2008/09	72.0	0	93.3%	0
2009/10	60.0	1,000,000	88.9%	1,125,411
2010/11	48.0	0	82.7%	0
2011/12	36.0	0	75.1%	0
2012/13	24.0	10,500	62.6%	16,768
2013/14	12.0	0	41.7%	0

(3) is from Exhibit MM-Unspecified-1.

(4) is from Exhibit MM-Unspecified-2.



COOK COUNTY, ILLINOIS
 MEDICAL MALPRACTICE - UNSPECIFIED HOSPITAL / AMBULATORY CARE

Exhibit MM-Unspecified-5

Developed Limited Case Reserves

Claim Period (1)	Months of Development 11/30/14 (2)	Percent Losses Paid (3)	Percent Losses Reported (4)	Percent Losses Reserved 11/30/14 [(4)-(3)]/ [100.0%-(3)] (5)	Limited Paid Losses 11/30/14 (6)	Limited Case Reserves 11/30/14 (7)	Developed Limited Case Reserves (6)+(7)/(5) (8)
to 1994/95	240.0	100.0%	100.0%	100.0%	\$35,222,608	\$0	\$35,222,608
1995/96	228.0	100.0%	100.0%	100.0%	0	0	0
1996/97	216.0	100.0%	100.0%	100.0%	0	0	0
1997/98	204.0	100.0%	100.0%	100.0%	8,500,000	0	8,500,000
1998/99	192.0	100.0%	100.0%	100.0%	0	0	0
1999/00	180.0	100.0%	100.0%	100.0%	0	0	0
2000/01	168.0	100.0%	100.0%	100.0%	0	0	0
2001/02	156.0	100.0%	100.0%	100.0%	750,000	0	750,000
2002/03	144.0	100.0%	100.0%	100.0%	800,000	0	800,000
2003/04	132.0	98.0%	100.0%	100.0%	0	0	0
2004/05	120.0	94.3%	100.0%	100.0%	0	0	0
2005/06	108.0	89.8%	99.0%	90.3%	1,320	0	1,320
2006/07	96.0	80.2%	97.1%	85.2%	0	0	0
2007/08	84.0	67.9%	95.2%	84.9%	0	0	0
2008/09	72.0	56.6%	93.3%	84.6%	0	0	0
2009/10	60.0	28.3%	88.9%	84.5%	0	1,000,000	1,184,036
2010/11	48.0	10.9%	82.7%	80.5%	0	0	0
2011/12	36.0	2.2%	75.1%	74.6%	0	0	0
2012/13	24.0	0.0%	62.6%	62.6%	0	10,500	16,770
2013/14	12.0	0.0%	41.7%	41.7%	0	0	0

(3) and (4) are from Exhibit MM-Unspecified-2.

(6) and (7) are from Exhibit MM-Unspecified-1.



COOK COUNTY, ILLINOIS
MEDICAL MALPRACTICE - UNSPECIFIED HOSPITAL / AMBULATORY CARE

Exhibit MM-Unspecified-6

Preliminary Projected Ultimate Limited Losses to 2013/14

Claim Period (1)	Developed Limited Paid Losses (2)	Developed Limited Reported Incurred Losses (3)	Developed Limited Case Reserves (4)	Preliminary Projected Ultimate Limited Losses (5)
to 1994/95	\$35,222,608	\$35,222,608	\$35,222,608	\$35,222,608
1995/96	0	0	0	0
1996/97	0	0	0	0
1997/98	8,500,000	8,500,000	8,500,000	8,500,000
1998/99	0	0	0	0
1999/00	0	0	0	0
2000/01	0	0	0	0
2001/02	750,000	750,000	750,000	750,000
2002/03	800,000	800,000	800,000	800,000
2003/04	0	0	0	0
2004/05	0	0	0	0
2005/06	1,470	1,333	1,320	1,320
2006/07	0	0	0	0
2007/08	0	0	0	0
2008/09	0	0	0	0
2009/10	0	1,125,411	1,184,036	1,160,586
2010/11	0	0	0	0
2011/12	0	0	0	0
2012/13	0	16,768	16,770	13,415
2013/14	0	0	0	0

(2) is from Exhibit MM-Unspecified-3.

(3) is from Exhibit MM-Unspecified-4.

(4) is from Exhibit MM-Unspecified-5.

(5) is based on (2) to (4) and actuarial judgment.



Bornhuetter - Ferguson Analysis

I. A-priori Loss Rate

Claim Period (1)	Preliminary Projected Ultimate Limited Losses (2)	Occupied Bed Equivalents (3)	Limited Loss Rate per Occupied Bed Equivalent (2)/(3) (4)	Loss Rate Trend (2014/15 = 1.000) (5)	Trended Limited Loss Rate per Occupied Bed Equivalent (4)X(5) (6)	Projected A-priori Loss Rate per Occupied Bed Equivalent (7)/(5) (8)
2004/05	\$0	443	\$0.00	1.510	\$0.00	\$131.11
2005/06	1,320	443	2.98	1.452	4.33	136.35
2006/07	0	443	0.00	1.396	0.00	141.81
2007/08	0	443	0.00	1.342	0.00	147.48
2008/09	0	443	0.00	1.291	0.00	153.38
2009/10	1,160,586	443	2,619.83	1.230	3,223.29	160.89
2010/11	0	443	0.00	1.152	0.00	171.79
2011/12	0	443	0.00	1.108	0.00	178.66
2012/13	13,415	408	32.92	1.078	35.47	183.71
2013/14	0	408	0.00	1.040	0.00	190.34

(7) Projected 2014/15 a-priori loss rate per Occupied Bed Equivalent \$197.95

II. Bornhuetter - Ferguson Analysis Based on Limited Paid Losses

Claim Period (1)	Limited Paid Losses 11/30/14 (2)	Percent Losses Paid (3)	Projected A-priori Loss Rate per Occupied Bed Equivalent (4)	Occupied Bed Equivalents (5)	B-F Unpaid Losses [100.0%-(3)] X(4)X(5) (6)	B-F Ultimate Limited Paid Losses (2)+(6) (7)
2009/10	\$0	28.3%	\$160.89	443	\$51,101	\$51,101
2010/11	0	10.9%	171.79	443	67,817	67,817
2011/12	0	2.2%	178.66	443	77,422	77,422
2012/13	0	0.0%	183.71	408	74,847	74,847
2013/14	0	0.0%	190.34	408	77,556	77,556

III. Bornhuetter - Ferguson Analysis Based on Limited Reported Incurred Losses

Claim Period (1)	Limited Reported Incurred Losses 11/30/14 (2)	Percent Losses Reported (3)	Projected A-priori Loss Rate per Occupied Bed Equivalent (4)	Occupied Bed Equivalents (5)	B-F Unreported Losses [100.0%-(3)] X(4)X(5) (6)	B-F Ultimate Limited Reported Losses (2)+(6) (7)
2009/10	\$1,000,000	88.9%	\$160.89	443	\$7,943	\$1,007,943
2010/11	0	82.7%	171.79	443	13,198	13,198
2011/12	0	75.1%	178.66	443	19,673	19,673
2012/13	10,500	62.6%	183.71	408	27,984	38,484
2013/14	0	41.7%	190.34	408	45,183	45,183

Section I, (2) is from Exhibit MM-Unspecified-6.

Section I, (3), Section II, (5) and Section III, (5) are from Exhibit MM-Unspecified-10.

Section I, (5) is based on a 4% trend and adjusted for change in retention.

Section I, (7) is based on Section I, (6) and actuarial judgment.

Sections II and III, (2) are from Exhibit MM-Unspecified-1.

Sections II and III, (3) are from Exhibit MM-Unspecified-2.

Sections II and III, (4) are from Section I, (8).



Frequency Times Severity Analysis

I. Projected Ultimate Claims

Claim Period (1)	Months of Development 11/30/14 (2)	Reported Claims 11/30/14 (3)	Percent Claims Reported (4)	Projected Ultimate Claims (3)/(4) (5)	Occupied Bed Equivalents (6)	Frequency (per Occupied Bed Equivalent) (5)/(6) (7)
2004/05	120.0	3	100.0%	3	443	0.01
2005/06	108.0	4	100.0%	4	443	0.01
2006/07	96.0	0	100.0%	0	443	0.00
2007/08	84.0	0	100.0%	0	443	0.00
2008/09	72.0	0	100.0%	0	443	0.00
2009/10	60.0	1	100.0%	1	443	0.00
2010/11	48.0	2	100.0%	2	443	0.00
2011/12	36.0	1	98.0%	1	443	0.00
2012/13	24.0	2	93.4%	2	408	0.00
2013/14	12.0	0	74.7%	0	408	0.00

II. Frequency Times Severity

Claim Period (1)	Preliminary Projected Ultimate Limited Losses (2)	Projected Ultimate Claims (3)	Average Severity (2)/(3) (4)	Severity Trend (2014/15 = 1.000) (5)	Trended Average Claim Severity (4)X(5) (6)	De-Trended Projected 2014/15 Average Claim Severity (7)/(5) (8)	Frequency Times Severity (3)X(8) (9)
2004/05	\$0	3	\$0	1.510	\$0	\$56,758	\$170,273
2005/06	1,320	4	330	1.452	479	59,028	236,112
2006/07	0	0	0	1.396	0	61,389	0
2007/08	0	0	0	1.342	0	63,845	0
2008/09	0	0	0	1.291	0	66,399	0
2009/10	1,160,586	1	1,160,586	1.230	1,427,915	69,652	69,652
2010/11	0	2	0	1.152	0	74,369	148,737
2011/12	0	1	0	1.108	0	77,343	77,343
2012/13	13,415	2	6,708	1.078	7,228	79,529	159,057
2013/14	0	0	0	1.040	0	82,400	0
					(7) Projected 2014/15 average claim severity	\$85,696	

Section I, (3) is from Exhibit MM-Unspecified-1.

Section I, (4) is from Exhibit MM-Unspecified-2.

Section I, (6) is from Exhibit MM-Unspecified-10.

Section II, (2) is from Exhibit MM-Unspecified-6.

Section II, (3) is from Section I, (5).

Section II, (5) is based on a 4% trend and adjusted for change in retention.

Section II, (7) is based on (6) and actuarial judgment.



COOK COUNTY, ILLINOIS
 MEDICAL MALPRACTICE - UNSPECIFIED HOSPITAL / AMBULATORY CARE

Exhibit MM-Unspecified-9

Projected Ultimate Limited Losses to 2013/14

Claim Period (1)	Developed Limited Paid Losses (2)	Developed Limited Reported Incurred Losses (3)	Developed Limited Case Reserves (4)	B-F Ultimate Limited Paid Losses (5)	B-F Ultimate Limited Reported Losses (6)	Frequency Times Severity (7)	Prior Projected Ultimate Limited Losses (8)	Projected Ultimate Limited Losses (9)
to 1994/95	\$35,222,608	\$35,222,608	\$35,222,608				\$35,222,608	\$35,222,608
1995/96	0	0	0					0
1996/97	0	0	0					0
1997/98	8,500,000	8,500,000	8,500,000				8,500,000	8,500,000
1998/99	0	0	0					0
1999/00	0	0	0					0
2000/01	0	0	0					0
2001/02	750,000	750,000	750,000				750,000	750,000
2002/03	800,000	800,000	800,000				800,000	800,000
2003/04	0	0	0					0
2004/05	0	0	0					0
2005/06	1,470	1,333	1,320				1,320	1,320
2006/07	0	0	0					0
2007/08	0	0	0					0
2008/09	0	0	0				90,000	0
2009/10	0	1,125,411	1,184,036	51,101	1,007,943	69,652	100,000	1,125,000
2010/11	0	0	0	67,817	13,198	148,737	150,000	100,000
2011/12	0	0	0	77,422	19,673	77,343	175,000	125,000
2012/13	0	16,768	16,770	74,847	38,484	159,057	200,000	175,000
2013/14	0	0	0	77,556	45,183		152,000	175,000
Total	\$45,274,078 #	\$46,416,120 #	\$46,474,733 #	\$348,742 #	\$1,124,481 #	\$454,790 #	\$46,140,928 #	\$46,973,928
Total 5 Years	0 0	1,142,179 0	1,200,805 0	348,742 0	1,124,481 0	454,790 0	777,000 #	1,700,000

(2) is from Exhibit MM-Unspecified-3.

(3) is from Exhibit MM-Unspecified-4.

(4) is from Exhibit MM-Unspecified-5.

(5) and (6) are from Exhibit MM-Unspecified-7.

(7) is from Exhibit MM-Unspecified-8.

(8) is based on (2) to (7) and actuarial judgment.



COOK COUNTY, ILLINOIS
 MEDICAL MALPRACTICE - UNSPECIFIED HOSPITAL / AMBULATORY CARE

Exhibit MM-Unspecified-10

Projected Ultimate Limited Losses for 2014/15 and Subsequent

Claim Period (1)	Projected Ultimate Limited Losses (2)	Occupied Bed Equivalents (3)	Limited Loss Rate per Occupied Bed Equivalent (2)/(3) (4)	Loss Rate Trend (2014/15 = 1.000) (5)	Trended Limited Loss Rate per Occupied Bed Equivalent (4)X(5) (6)	Present Value of Projected Limited Loss Rate per Occupied Bed Equivalent (7)X(10) (11)	Present Value of Projected Ultimate Limited Losses (8)X(11) (12)
2004/05	\$0	443	\$0.00	1.510	\$0.00		
2005/06	1,320	443	2.98	1.452	4.33		
2006/07	0	443	0.00	1.396	0.00		
2007/08	0	443	0.00	1.342	0.00		
2008/09	0	443	0.00	1.291	0.00		
2009/10	1,125,000	443	2,539.50	1.230	3,124.45		
2010/11	100,000	443	225.73	1.152	260.12		
2011/12	125,000	443	282.17	1.108	312.64		
2012/13	175,000	408	429.45	1.078	462.75		
2013/14	175,000	408	429.45	1.040	446.63		
Total	\$1,701,320	4,359	\$390.30		\$461.09		
2014/15	\$532.53	249	\$133,000	0.81	\$433.53	\$108,000	
2015/16	553.83	249	138,000	0.81	450.87	112,000	
2016/17	575.98	249	143,000	0.81	468.91	117,000	

(2) is from Exhibit MM-Unspecified-9.

(3) for 2009/10, 2010/11, 2011/12, 2012/13 and 2013/14 were provided by the County. Other periods assume a 0% trend.

(5) is based on a 4% trend and adjusted for change in retention.

(7) for 2014/15 is based on (6) and actuarial judgment.

(7) for 2015/16 and subsequent are based on 2014/15 plus a 4% trend.

(8) to 2014/15 was provided by the County. Other claim periods are based on a 0% trend.

(10) is based on a 3.4% interest rate and the payout pattern in Exhibit MM-Unspecified-2.



COOK COUNTY, ILLINOIS
 MEDICAL MALPRACTICE - UNSPECIFIED HOSPITAL / AMBULATORY CARE

Exhibit MM-Unspecified-11

Estimated Outstanding Losses as of November 30, 2014

Claim Period (1)	Limited Paid Losses 11/30/14 (2)	Limited Case Reserves 11/30/14 (3)	Limited Reported Incurred Losses 11/30/14 (4)	Projected Ultimate Limited Losses (5)	Estimated IBNR 11/30/14 (5)-(4) (6)	Estimated Outstanding Losses 11/30/14 (3)+(6) (7)	Present Value Factor (8)	Present Value of Estimated Outstanding Losses 11/30/14 (7)X(8) (9)
to 1994/95	\$35,222,608	\$0	\$35,222,608	\$35,222,608	\$0	\$0	1.00	\$0
1995/96	0	0	0	0	0	0	1.00	0
1996/97	0	0	0	0	0	0	1.00	0
1997/98	8,500,000	0	8,500,000	8,500,000	0	0	1.00	0
1998/99	0	0	0	0	0	0	1.00	0
1999/00	0	0	0	0	0	0	1.00	0
2000/01	0	0	0	0	0	0	1.00	0
2001/02	750,000	0	750,000	750,000	0	0	1.00	0
2002/03	800,000	0	800,000	800,000	0	0	1.00	0
2003/04	0	0	0	0	0	0	0.98	0
2004/05	0	0	0	0	0	0	0.97	0
2005/06	1,320	0	1,320	1,320	0	0	0.96	0
2006/07	0	0	0	0	0	0	0.95	0
2007/08	0	0	0	0	0	0	0.95	0
2008/09	0	0	0	0	0	0	0.93	0
2009/10	0	1,000,000	1,000,000	1,125,000	125,000	1,125,000	0.93	1,051,103
2010/11	0	0	0	100,000	100,000	100,000	0.92	91,920
2011/12	0	0	0	125,000	125,000	125,000	0.90	112,172
2012/13	0	10,500	10,500	175,000	164,500	175,000	0.87	152,314
2013/14	0	0	0	175,000	175,000	175,000	0.84	147,308
Total	\$45,273,928	\$1,010,500	\$46,284,428	\$46,973,928	\$689,500	\$1,700,000		\$1,554,817

(2), (3) and (4) are net of specific self insured retention and aggregate retention.

(5) is from Exhibit MM-Unspecified-9.

(8) is based on a 3.4% interest rate and the payout pattern in Exhibit MM-Unspecified-2.



COOK COUNTY, ILLINOIS
 MEDICAL MALPRACTICE - UNSPECIFIED HOSPITAL / AMBULATORY CARE

Exhibit MM-Unspecified-12

Projected Losses Paid December 1, 2014 to November 30, 2015

Claim Period (1)	Months of Development 11/30/14 (2)	Percent Losses Paid (3)	Months of Development 11/30/15 (4)	Percent Losses Paid (5)	Percent Outstanding Losses Paid 12/1/14 to 11/30/15 [(5)-(3)]/ [100.0%-(3)] (6)	Estimated Outstanding Losses 11/30/14 (7)	Projected Losses Paid (6)X(7) (8)	Estimated Outstanding Losses 11/30/15 (7)-(8) (9)	Present Value Factor (10)	Present Value of Estimated Outstanding Losses 11/30/15 (9)X(10) (11)
to 1994/95	240.0	100.0%	252.0	100.0%	100.0%	\$0	\$0	\$0	1.00	\$0
1995/96	228.0	100.0%	240.0	100.0%	100.0%	0	0	0	1.00	0
1996/97	216.0	100.0%	228.0	100.0%	100.0%	0	0	0	1.00	0
1997/98	204.0	100.0%	216.0	100.0%	100.0%	0	0	0	1.00	0
1998/99	192.0	100.0%	204.0	100.0%	100.0%	0	0	0	1.00	0
1999/00	180.0	100.0%	192.0	100.0%	100.0%	0	0	0	1.00	0
2000/01	168.0	100.0%	180.0	100.0%	100.0%	0	0	0	1.00	0
2001/02	156.0	100.0%	168.0	100.0%	100.0%	0	0	0	1.00	0
2002/03	144.0	100.0%	156.0	100.0%	100.0%	0	0	0	1.00	0
2003/04	132.0	98.0%	144.0	100.0%	100.0%	0	0	0	1.00	0
2004/05	120.0	94.3%	132.0	98.0%	65.8%	0	0	0	0.98	0
2005/06	108.0	89.8%	120.0	94.3%	43.9%	0	0	0	0.97	0
2006/07	96.0	80.2%	108.0	89.8%	48.5%	0	0	0	0.96	0
2007/08	84.0	67.9%	96.0	80.2%	38.1%	0	0	0	0.95	0
2008/09	72.0	56.6%	84.0	67.9%	26.1%	0	0	0	0.95	0
2009/10	60.0	28.3%	72.0	56.6%	39.5%	1,125,000	444,151	680,849	0.93	635,202
2010/11	48.0	10.9%	60.0	28.3%	19.5%	100,000	19,547	80,453	0.93	75,168
2011/12	36.0	2.2%	48.0	10.9%	8.9%	125,000	11,129	113,871	0.92	104,670
2012/13	24.0	0.0%	36.0	2.2%	2.2%	175,000	3,779	171,221	0.90	153,650
2013/14	12.0	0.0%	24.0	0.0%	0.0%	175,000	16	174,984	0.87	152,300
2014/15	0.0	0.0%	12.0	0.0%	0.0%	133,000	12	132,988	0.84	111,944
Total						\$1,833,000	\$478,634	\$1,354,366		\$1,232,934

(3) and (5) are from Exhibit MM-Unspecified-2.

(7) to 2013/14 is from Exhibit MM-Unspecified-11. The amount for 2014/15 is from Exhibit MM-Unspecified-10.

(10) is based on a 3.4% interest rate and the payout pattern in Exhibit MM-Unspecified-2.



COOK COUNTY, ILLINOIS
 MEDICAL MALPRACTICE - UNSPECIFIED HOSPITAL / AMBULATORY CARE

Exhibit MM-Unspecified-13

Projected Losses Paid December 1, 2015 to November 30, 2016

Claim Period (1)	Months of Development 11/30/15 (2)	Percent Losses Paid (3)	Months of Development 11/30/16 (4)	Percent Losses Paid (5)	Percent Outstanding Losses Paid 12/1/15 to 11/30/16 [(5)-(3)]/ [100.0%-(3)] (6)	Estimated Outstanding Losses 11/30/15 (7)	Projected Losses Paid (6)X(7) (8)	Estimated Outstanding Losses 11/30/16 (7)-(8) (9)	Present Value Factor (10)	Present Value of Estimated Outstanding Losses 11/30/16 (9)X(10) (11)
to 1994/95	252.0	100.0%	264.0	100.0%	100.0%	\$0	\$0	\$0	1.00	\$0
1995/96	240.0	100.0%	252.0	100.0%	100.0%	0	0	0	1.00	0
1996/97	228.0	100.0%	240.0	100.0%	100.0%	0	0	0	1.00	0
1997/98	216.0	100.0%	228.0	100.0%	100.0%	0	0	0	1.00	0
1998/99	204.0	100.0%	216.0	100.0%	100.0%	0	0	0	1.00	0
1999/00	192.0	100.0%	204.0	100.0%	100.0%	0	0	0	1.00	0
2000/01	180.0	100.0%	192.0	100.0%	100.0%	0	0	0	1.00	0
2001/02	168.0	100.0%	180.0	100.0%	100.0%	0	0	0	1.00	0
2002/03	156.0	100.0%	168.0	100.0%	100.0%	0	0	0	1.00	0
2003/04	144.0	100.0%	156.0	100.0%	100.0%	0	0	0	1.00	0
2004/05	132.0	98.0%	144.0	100.0%	100.0%	0	0	0	1.00	0
2005/06	120.0	94.3%	132.0	98.0%	65.8%	0	0	0	0.98	0
2006/07	108.0	89.8%	120.0	94.3%	43.9%	0	0	0	0.97	0
2007/08	96.0	80.2%	108.0	89.8%	48.5%	0	0	0	0.96	0
2008/09	84.0	67.9%	96.0	80.2%	38.1%	0	0	0	0.95	0
2009/10	72.0	56.6%	84.0	67.9%	26.1%	680,849	177,660	503,189	0.95	476,144
2010/11	60.0	28.3%	72.0	56.6%	39.5%	80,453	31,763	48,690	0.93	45,426
2011/12	48.0	10.9%	60.0	28.3%	19.5%	113,871	22,258	91,613	0.93	85,595
2012/13	36.0	2.2%	48.0	10.9%	8.9%	171,221	15,244	155,977	0.92	143,373
2013/14	24.0	0.0%	36.0	2.2%	2.2%	174,984	3,779	171,205	0.90	153,636
2014/15	12.0	0.0%	24.0	0.0%	0.0%	132,988	12	132,976	0.87	115,738
2015/16	0.0	0.0%	12.0	0.0%	0.0%	138,000	13	137,987	0.84	116,152
Total						\$1,492,366	\$250,729	\$1,241,637		\$1,136,064

(3) and (5) are from Exhibit MM-Unspecified-2.

(7) to 2014/15 is from Exhibit MM-Unspecified-12, (9). The amount for 2015/16 is from Exhibit MM-Unspecified-10.

(10) is based on a 3.4% interest rate and the payout pattern in Exhibit MM-Unspecified-2.



COOK COUNTY, ILLINOIS
 MEDICAL MALPRACTICE - UNSPECIFIED HOSPITAL / AMBULATORY CARE

Exhibit MM-Unspecified-14

Projected Losses Paid December 1, 2016 to November 30, 2017

Claim Period (1)	Months of Development 11/30/16 (2)	Percent Losses Paid (3)	Months of Development 11/30/17 (4)	Percent Losses Paid (5)	Percent Outstanding Losses Paid 12/1/16 to 11/30/17 [(5)-(3)]/ [100.0%-(3)] (6)	Estimated Outstanding Losses 11/30/16 (7)	Projected Losses Paid (6)X(7) (8)	Estimated Outstanding Losses 11/30/17 (7)-(8) (9)	Present Value Factor (10)	Present Value of Estimated Outstanding Losses 11/30/17 (9)X(10) (11)
to 1994/95	264.0	100.0%	276.0	100.0%	100.0%	\$0	\$0	\$0	1.00	\$0
1995/96	252.0	100.0%	264.0	100.0%	100.0%	0	0	0	1.00	0
1996/97	240.0	100.0%	252.0	100.0%	100.0%	0	0	0	1.00	0
1997/98	228.0	100.0%	240.0	100.0%	100.0%	0	0	0	1.00	0
1998/99	216.0	100.0%	228.0	100.0%	100.0%	0	0	0	1.00	0
1999/00	204.0	100.0%	216.0	100.0%	100.0%	0	0	0	1.00	0
2000/01	192.0	100.0%	204.0	100.0%	100.0%	0	0	0	1.00	0
2001/02	180.0	100.0%	192.0	100.0%	100.0%	0	0	0	1.00	0
2002/03	168.0	100.0%	180.0	100.0%	100.0%	0	0	0	1.00	0
2003/04	156.0	100.0%	168.0	100.0%	100.0%	0	0	0	1.00	0
2004/05	144.0	100.0%	156.0	100.0%	100.0%	0	0	0	1.00	0
2005/06	132.0	98.0%	144.0	100.0%	100.0%	0	0	0	1.00	0
2006/07	120.0	94.3%	132.0	98.0%	65.8%	0	0	0	0.98	0
2007/08	108.0	89.8%	120.0	94.3%	43.9%	0	0	0	0.97	0
2008/09	96.0	80.2%	108.0	89.8%	48.5%	0	0	0	0.96	0
2009/10	84.0	67.9%	96.0	80.2%	38.1%	503,189	191,873	311,316	0.95	297,226
2010/11	72.0	56.6%	84.0	67.9%	26.1%	48,690	12,705	35,985	0.95	34,051
2011/12	60.0	28.3%	72.0	56.6%	39.5%	91,613	36,169	55,444	0.93	51,727
2012/13	48.0	10.9%	60.0	28.3%	19.5%	155,977	30,488	125,489	0.93	117,246
2013/14	36.0	2.2%	48.0	10.9%	8.9%	171,205	15,243	155,962	0.92	143,360
2014/15	24.0	0.0%	36.0	2.2%	2.2%	132,976	2,872	130,104	0.90	116,753
2015/16	12.0	0.0%	24.0	0.0%	0.0%	137,987	13	137,974	0.87	120,088
2016/17	0.0	0.0%	12.0	0.0%	0.0%	143,000	13	142,987	0.84	120,361
Total						\$1,384,637	\$289,376	\$1,095,261		\$1,000,812

(3) and (5) are from Exhibit MM-Unspecified-2.

(7) to 2015/16 is from Exhibit MM-Unspecified-13, (9). The amount for 2016/17 is from Exhibit MM-Unspecified-10.

(10) is based on a 3.4% interest rate and the payout pattern in Exhibit MM-Unspecified-2.



COOK COUNTY, ILLINOIS
MEDICAL MALPRACTICE - UNSPECIFIED HOSPITAL / AMBULATORY CARE

Exhibit MM-Unspecified-15

List of Large Claims
Reported Incurred Losses Greater Than \$1,000,000

Claim Number (1)	Date of Loss (2)	Claim Period (3)	Specific Self-Insured Retention (4)	Unlimited Paid Losses 11/30/14 (5)	Unlimited Case Reserves 11/30/14 (6)	Unlimited Reported Incurred Losses 11/30/14 (7)
97009673	7/7/2010	2009/10	\$40,000,000	\$0	\$1,000,000	\$1,000,000

Amounts are gross of excess insurance.

The claim(s) indicated by a "*" have been limited in development.

(1) through (7) were provided by the County.



COOK COUNTY, ILLINOIS
 MEDICAL MALPRACTICE - UNSPECIFIED HOSPITAL / AMBULATORY CARE

Exhibit MM-Unspecified-16

Calculation of Occupied Bed Equivalents

Claim Period (1)	Inpatients (2)	ER Visits (3)	Other Visits (4)	Other Visits (5)	Other Visits (6)	Physicians (7)	Occupied Bed Equivalents (8)
to 1994/95							0
1995/96							0
1996/97							0
1997/98							0
1998/99							0
1999/00							0
2000/01							0
2001/02							0
2002/03							0
2003/04							0
2004/05							0
2005/06							0
2006/07							0
2007/08							0
2008/09							0
2009/10			750,000			52	443
2010/11			750,000			52	443
2011/12			750,000			52	443
2012/13			620,000			58	408
2013/14			620,000			58	408
2014/15			411,102			31	249

(2) through (7) were provided by the County.

The exposures in (2) through (7) are converted to occupied bed equivalents using the following exposure conversion factors, which were published in the Aon/ASHRM Hospital Professional Liability and Physician Liability Benchmark Analysis published in October 2013. The weight for Housestaff is based on actuarial judgement.

Exposure	Conversion Factor
Inpatients	1.000
ER Visits	0.200 per 100
Other Visits	0.040 per 100
Physicians	2.750
Housestaff	0.800 (residents and interns)



COOK COUNTY, ILLINOIS
WORKERS' COMPENSATION - GENERAL GOVERNMENT (INDEMNITY)

Exhibit WC-Gov-Indem-1 (page 1)

Data Summary as of November 30, 2014
Losses Limited to Self-Insured Retention

Claim Period (1)	Specific Self-Insured Retention (2)	Aggregate Retention (3)	Months of Development 11/30/14 (4)	Payroll (000) (5)	Reported Claims 11/30/14 (6)	Open Claims 11/30/14 (7)	Limited Paid Losses 11/30/14 (8)	Limited Case Reserves 11/30/14 (9)	Limited Reported Incurred Losses 11/30/14 (10)
to 1994/95	See Note	None	240.0	Not Provided	10,274	9	\$50,035,746	\$727,464	\$50,763,210
1995/96	Unlimited	None	228.0	Not Provided	1,355	2	5,196,735	293,415	5,490,150
1996/97	Unlimited	None	216.0	Not Provided	1,237	1	3,820,582	35,000	3,855,582
1997/98	Unlimited	None	204.0	Not Provided	1,181	3	3,639,084	203,945	3,843,030
1998/99	Unlimited	None	192.0	Not Provided	1,120	0	4,262,507	0	4,262,507
1999/00	Unlimited	None	180.0	Not Provided	1,133	5	5,928,914	196,026	6,124,939
2000/01	9,500,000	None	168.0	719,952	1,183	7	7,102,302	780,767	7,883,070
2001/02	9,500,000	None	156.0	752,457	1,161	6	7,505,279	1,244,623	8,749,902
2002/03	9,500,000	None	144.0	779,098	1,223	5	7,610,854	650,884	8,261,738
2003/04	Unlimited	None	132.0	810,182	1,218	10	7,332,091	1,142,261	8,474,352
2004/05	Unlimited	None	120.0	832,363	1,318	8	7,355,627	349,739	7,705,365
2005/06	Unlimited	None	108.0	826,479	1,159	14	7,951,689	402,234	8,353,924
2006/07	Unlimited	None	96.0	859,906	902	19	9,582,604	1,064,687	10,647,291
2007/08	Unlimited	None	84.0	914,260	776	37	9,820,422	1,436,649	11,257,071
2008/09	Unlimited	None	72.0	942,707	766	58	9,994,637	2,862,660	12,857,297
2009/10	Unlimited	None	60.0	998,250	862	94	8,837,536	2,853,540	11,691,076
2010/11	Unlimited	None	48.0	928,082	788	103	6,697,008	2,431,471	9,128,479
2011/12	Unlimited	None	36.0	899,082	781	134	5,815,806	4,029,458	9,845,264
2012/13	Unlimited	None	24.0	949,338	715	164	3,442,891	4,139,794	7,582,685
2013/14	Unlimited	None	12.0	988,081	730	389	2,329,368	3,444,487	5,773,855
Total					29,882	1,068	\$174,261,682	\$28,289,104	\$202,550,786

* The specific self-insured retention changes are as follows:

Effective Date	Retention
12/01/77	Unlimited
12/01/00	9,500,000
12/01/03	Unlimited

(8), (9) and (10) are net of the specific self-insured retention and other recoveries.

Data was provided by the County.



COOK COUNTY, ILLINOIS
WORKERS' COMPENSATION - GENERAL GOVERNMENT (INDEMNITY)

Exhibit WC-Gov-Indem-1 (page 2)

Data Summary as of November 30, 2014
Unlimited Losses

Claim Period (1)	Specific Self-Insured Retention (2)	Aggregate Retention (3)	Months of Development 11/30/14 (4)	Payroll (000) (5)	Reported Claims 11/30/14 (6)	Open Claims 11/30/14 (7)	Unlimited Paid Losses 11/30/14 (8)	Unlimited Case Reserves 11/30/14 (9)	Unlimited Reported Incurred Losses 11/30/14 (10)
to 1994/95	Unlimited	None	240.0	Not Provided	10,274	9	\$50,035,746	\$727,464	\$50,763,210
1995/96	Unlimited	None	228.0	Not Provided	1,355	2	5,196,735	293,415	5,490,150
1996/97	Unlimited	None	216.0	Not Provided	1,237	1	3,820,582	35,000	3,855,582
1997/98	Unlimited	None	204.0	Not Provided	1,181	3	3,639,084	203,945	3,843,030
1998/99	Unlimited	None	192.0	Not Provided	1,120	0	4,262,507	0	4,262,507
1999/00	Unlimited	None	180.0	Not Provided	1,133	5	5,928,914	196,026	6,124,939
2000/01	Unlimited	None	168.0	719,952	1,183	7	7,102,302	780,767	7,883,070
2001/02	Unlimited	None	156.0	752,457	1,161	6	7,505,279	1,244,623	8,749,902
2002/03	Unlimited	None	144.0	779,098	1,223	5	7,610,854	650,884	8,261,738
2003/04	Unlimited	None	132.0	810,182	1,218	10	7,332,091	1,142,261	8,474,352
2004/05	Unlimited	None	120.0	832,363	1,318	8	7,355,627	349,739	7,705,365
2005/06	Unlimited	None	108.0	826,479	1,159	14	7,951,689	402,234	8,353,924
2006/07	Unlimited	None	96.0	859,906	902	19	9,582,604	1,064,687	10,647,291
2007/08	Unlimited	None	84.0	914,260	776	37	9,820,422	1,436,649	11,257,071
2008/09	Unlimited	None	72.0	942,707	766	58	9,994,637	2,862,660	12,857,297
2009/10	Unlimited	None	60.0	998,250	862	94	8,837,536	2,853,540	11,691,076
2010/11	Unlimited	None	48.0	928,082	788	103	6,697,008	2,431,471	9,128,479
2011/12	Unlimited	None	36.0	899,082	781	134	5,815,806	4,029,458	9,845,264
2012/13	Unlimited	None	24.0	949,338	715	164	3,442,891	4,139,794	7,582,685
2013/14	Unlimited	None	12.0	988,081	730	389	2,329,368	3,444,487	5,773,855
Total					29,882	1,068	\$174,261,682	\$28,289,104	\$202,550,786

(8), (9) and (10) are gross of the specific self-insured retention and other recoveries.

Data was provided by the County.



COOK COUNTY, ILLINOIS
 WORKERS' COMPENSATION - GENERAL GOVERNMENT (INDEMNITY)

Summary of Percent Losses Paid, Losses Reported and Claims Reported

Months of Development (1)	Percent Losses Paid (2)	Percent Losses Reported (3)	Percent Claims Reported (4)	Months of Development (5)	Percent Losses Paid (6)	Percent Losses Reported (7)	Percent Claims Reported (8)
360.0	100.0%	100.0%	100.0%	354.0	99.9%	100.0%	100.0%
348.0	99.9%	100.0%	100.0%	342.0	99.9%	100.0%	100.0%
336.0	99.9%	100.0%	100.0%	330.0	99.9%	100.0%	100.0%
324.0	99.9%	100.0%	100.0%	318.0	99.9%	100.0%	100.0%
312.0	99.8%	100.0%	100.0%	306.0	99.8%	100.0%	100.0%
300.0	99.8%	100.0%	100.0%	294.0	99.7%	100.0%	100.0%
288.0	99.6%	100.0%	100.0%	282.0	99.6%	100.0%	100.0%
276.0	99.5%	100.0%	100.0%	270.0	99.4%	100.0%	100.0%
264.0	99.3%	100.0%	100.0%	258.0	99.1%	100.0%	100.0%
252.0	99.0%	100.0%	100.0%	246.0	98.7%	100.0%	100.0%
240.0	98.5%	100.0%	100.0%	234.0	98.5%	100.0%	100.0%
228.0	98.5%	100.0%	100.0%	222.0	98.5%	100.0%	100.0%
216.0	98.5%	100.0%	100.0%	210.0	98.5%	100.0%	100.0%
204.0	98.4%	100.0%	100.0%	198.0	98.3%	100.0%	100.0%
192.0	98.2%	100.0%	100.0%	186.0	98.1%	100.0%	100.0%
180.0	98.0%	100.0%	100.0%	174.0	97.9%	100.0%	100.0%
168.0	97.8%	99.9%	100.0%	162.0	97.7%	99.9%	100.0%
156.0	97.5%	99.8%	100.0%	150.0	97.4%	99.7%	100.0%
144.0	97.3%	99.6%	100.0%	138.0	97.0%	99.5%	100.0%
132.0	96.8%	99.4%	100.0%	126.0	96.3%	99.3%	100.0%
120.0	95.8%	99.1%	100.0%	114.0	95.1%	98.9%	100.0%
108.0	94.4%	98.7%	100.0%	102.0	92.6%	98.2%	100.0%
96.0	90.8%	97.7%	100.0%	90.0	88.6%	96.9%	100.0%
84.0	86.4%	96.1%	100.0%	78.0	82.9%	94.9%	100.0%
72.0	79.3%	93.8%	100.0%	66.0	75.7%	90.9%	100.0%
60.0	72.1%	88.0%	99.9%	54.0	66.7%	84.6%	99.9%
48.0	61.4%	81.1%	99.8%	42.0	55.2%	76.5%	99.7%
36.0	49.1%	71.8%	99.6%	30.0	41.1%	65.2%	99.4%
24.0	33.2%	58.6%	99.2%	18.0	24.0%	47.1%	98.0%
12.0	14.7%	35.5%	96.8%	6.0	7.4%	17.8%	48.4%

(2) is from Exhibit WC-Gov-Indem-2 (page 2).

(3) is from Exhibit WC-Gov-Indem-2 (page 3).

(4) is from Exhibit WC-Gov-Indem-2 (page 4).

(6), (7) and (8) are interpolated, based on (2), (3) and (4), respectively.



COOK COUNTY, ILLINOIS
WORKERS' COMPENSATION - GENERAL GOVERNMENT (INDEMNITY)

Historical Limited Reported Incurred Losses (\$000) and Limited Reported Incurred Loss Development

Claim Period	Months of Development:																					
	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204	216	228	240		
to 1994/95																						
1995/96											6,363	\$53,666	\$53,499	\$53,828	\$50,271	\$50,488	\$50,234	\$50,616	\$50,755	\$50,763		
1996/97											4,971	6,363	4,006	13,630	13,650	5,407	5,389	5,481	5,490			
1997/98											4,935	4,976	4,006	3,633	3,627	3,821	3,821	3,856				
1998/99											3,980	4,976	3,496	3,633	3,627	3,641	3,843					
1999/00											4,948	3,344	4,144	3,496	4,262	3,641						
2000/01											7,497	7,557	6,099	6,099	6,099	4,263						
2001/02											7,354	7,230	7,085	6,820	6,125							
2002/03											7,363	7,333	7,085	7,883								
2003/04											7,326	7,326	7,726									
2004/05											7,596	7,449	8,150									
2005/06											8,160	8,863	8,150									
2006/07											6,717	7,449	8,150									
2007/08											8,097	8,863	8,150									
2008/09											9,131	10,647	8,150									
2009/10											12,857											
2010/11																						
2011/12																						
2012/13																						
2013/14																						

II. Limited Reported Incurred Loss Development

Claim Period	Months of Development:																				
	12-24	24-36	36-48	48-60	60-72	72-84	84-96	96-108	108-120	120-132	132-144	144-156	156-168	168-180	180-192	192-204	204-216	216-228	228-240	240-Ult	
to 1994/95																					
1995/96																					
1996/97																					
1997/98																					
1998/99																					
1999/00																					
2000/01																					
2001/02																					
2002/03																					
2003/04																					
2004/05																					
2005/06																					
2006/07																					
2007/08																					
2008/09																					
2009/10																					
2010/11																					
2011/12																					
2012/13																					
2013/14																					

Average All	Months of Development:																				
	12-24	24-36	36-48	48-60	60-72	72-84	84-96	96-108	108-120	120-132	132-144	144-156	156-168	168-180	180-192	192-204	204-216	216-228	228-240	240-Ult	
1.743	1.743	1.274	1.157	1.123	1.074	1.041	1.025	1.010	0.998	0.991	0.994	1.009	1.153	0.963	0.884	1.012	1.011	1.002	1.000	1.000	1.000
2.009	2.009	1.408	1.308	1.277	1.216	1.127	1.063	1.023	1.023	1.047	1.040	1.052	1.053	1.011	1.006	1.014	1.009	1.000	1.000	1.000	1.000
2.042	2.042	1.391	1.325	1.272	1.208	1.121	1.068	1.062	1.024	1.046	1.040	1.047	1.047	1.014	1.006	1.017	1.011	1.000	1.000	1.000	1.000
1.743	1.743	1.271	1.172	1.136	1.079	1.064	1.035	1.039	1.024	1.019	1.013	1.018	1.010	1.002	1.003	1.000	1.000	1.000	1.000	1.000	1.000

Amounts are limited (net of excess insurance).

Data was provided by the County.



COOK COUNTY, ILLINOIS
WORKERS' COMPENSATION - GENERAL GOVERNMENT (INDEMNITY)

Historical Reported Claims and Reported Claim Development

Claim Period	Months of Development:																				
	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204	216	228	240	
to 1994/05																					
1995/06																					
1996/07																					
1997/08																					
1998/09																					
1999/00																					
2000/01																					
2001/02																					
2002/03																					
2003/04																					
2004/05																					
2005/06																					
2006/07																					
2007/08																					
2008/09																					
2009/10																					
2010/11																					
2011/12																					
2012/13																					
2013/14																					

II. Reported Claim Development

Claim Period	Months of Development:																				
	12-24	24-36	36-48	48-60	60-72	72-84	84-96	96-108	108-120	120-132	132-144	144-156	156-168	168-180	180-192	192-204	204-216	216-228	228-240	240-Ult	
to 1994/05																					
1995/06																					
1996/07																					
1997/08																					
1998/09																					
1999/00																					
2000/01																					
2001/02																					
2002/03																					
2003/04																					
2004/05																					
2005/06																					
2006/07																					
2007/08																					
2008/09																					
2009/10																					
2010/11																					
2011/12																					
2012/13																					
2013/14																					
Average All	1,025	1,018	1,003	1,003	1,002	1,001	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
Wtd 3	1,009	1,010	1,006	1,008	1,005	1,002	1,001	1,000	1,000	1,000	1,001	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
Last 3	1,010	1,010	1,006	1,008	1,005	1,003	1,003	1,000	1,000	1,000	1,001	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
Last 5	1,013	1,010	1,002	1,001	1,000	1,000	1,000	1,000	1,000	1,000	1,001	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
x-tiltlow																					
Similar	1,025	1,004	1,002	1,001	1,001	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
Selected	1,025	1,004	1,002	1,001	1,001	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
Cumulative	1,033	1,008	1,004	1,002	1,001	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
Percent	96.8%	98.2%	98.6%	99.8%	99.8%	99.9%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Data was provided by the County.



COOK COUNTY, ILLINOIS
WORKERS' COMPENSATION - GENERAL GOVERNMENT (INDEMNITY)

Historical Ratio of Limited Paid Losses and Limited Reported Incurred Losses

Claim Period	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204	216	228	240	
to 1/09/05																					
1956/06																					
1996/07																					
1997/06																					
1998/09																					
1999/00																					
2000/01																					
2001/02																					
2002/03																					
2003/04																					
2004/05																					
2005/06																					
2006/07																					
2007/08																					
2008/09																					
2009/10																					
2010/11																					
2011/12																					
2012/13																					
2013/14																					
Average																					
All	51.7%	65.1%	74.0%	79.1%	82.2%	84.4%	86.8%	86.7%	88.4%	89.4%	88.4%	90.2%	91.4%	87.0%	88.0%	87.8%	86.9%	87.1%	86.5%	86.6%	
Last 3	52.7%	66.5%	81.9%	87.5%	88.2%	89.8%	93.7%	94.4%	94.1%	95.8%	93.9%	95.6%	93.8%	95.6%	98.0%	99.5%	96.3%	97.1%	97.1%	96.6%	
Last 5	56.7%	74.0%	87.9%	92.9%	93.2%	93.9%	94.6%	94.9%	95.3%	96.5%	96.3%	96.8%	97.4%	97.6%	98.0%	98.7%	98.3%	97.1%	97.1%	96.6%	
x-high																					
Implicit	41.5%	56.6%	68.4%	75.6%	81.9%	84.6%	89.9%	92.9%	95.6%	96.7%	97.3%	97.6%	97.7%	97.9%	98.0%	98.2%	98.4%	98.5%	98.5%	98.5%	



COOK COUNTY, ILLINOIS
WORKERS' COMPENSATION - GENERAL GOVERNMENT (INDEMNITY)

Exhibit WC-Gov-Indem-3

Developed Limited Paid Losses

Claim Period (1)	Months of Development 11/30/14 (2)	Limited Paid Losses 11/30/14 (3)	Percent Losses Paid (4)	Developed Limited Paid Losses (3)/(4) (5)
to 1994/95	240.0	\$50,035,746	98.5%	\$50,786,282
1995/96	228.0	5,196,735	98.5%	5,274,687
1996/97	216.0	3,820,582	98.5%	3,877,891
1997/98	204.0	3,639,084	98.4%	3,697,364
1998/99	192.0	4,262,507	98.2%	4,339,433
1999/00	180.0	5,928,914	98.0%	6,047,985
2000/01	168.0	7,102,302	97.8%	7,259,429
2001/02	156.0	7,505,279	97.5%	7,694,334
2002/03	144.0	7,610,854	97.3%	7,825,977
2003/04	132.0	7,332,091	96.8%	7,577,031
2004/05	120.0	7,355,627	95.8%	7,677,366
2005/06	108.0	7,951,689	94.4%	8,423,994
2006/07	96.0	9,582,604	90.8%	10,557,850
2007/08	84.0	9,820,422	86.4%	11,360,865
2008/09	72.0	9,994,637	79.3%	12,603,025
2009/10	60.0	8,837,536	72.1%	12,258,340
2010/11	48.0	6,697,008	61.4%	10,914,885
2011/12	36.0	5,815,806	49.1%	11,848,360
2012/13	24.0	3,442,891	33.2%	10,380,860
2013/14	12.0	2,329,368	14.7%	15,802,676

(3) is from Exhibit WC-Gov-Indem-1.

(4) is from Exhibit WC-Gov-Indem-2.



COOK COUNTY, ILLINOIS
 WORKERS' COMPENSATION - GENERAL GOVERNMENT (INDEMNITY)

Exhibit WC-Gov-Indem-4

Developed Limited Reported Incurred Losses

Claim Period (1)	Months of Development 11/30/14 (2)	Limited Reported Incurred Losses 11/30/14 (3)	Percent Losses Reported (4)	Developed Limited Reported Incurred Losses (3)/(4) (5)
to 1994/95	240.0	\$50,763,210	100.0%	\$50,763,210
1995/96	228.0	5,490,150	100.0%	5,490,150
1996/97	216.0	3,855,582	100.0%	3,855,582
1997/98	204.0	3,843,030	100.0%	3,843,030
1998/99	192.0	4,262,507	100.0%	4,262,507
1999/00	180.0	6,124,939	100.0%	6,124,939
2000/01	168.0	7,883,070	99.9%	7,890,953
2001/02	156.0	8,749,902	99.8%	8,767,411
2002/03	144.0	8,261,738	99.6%	8,294,826
2003/04	132.0	8,474,352	99.4%	8,525,308
2004/05	120.0	7,705,365	99.1%	7,774,953
2005/06	108.0	8,353,924	98.7%	8,463,086
2006/07	96.0	10,647,291	97.7%	10,894,285
2007/08	84.0	11,257,071	96.1%	11,714,020
2008/09	72.0	12,857,297	93.8%	13,713,683
2009/10	60.0	11,691,076	88.0%	13,280,320
2010/11	48.0	9,128,479	81.1%	11,250,769
2011/12	36.0	9,845,264	71.8%	13,711,646
2012/13	24.0	7,582,685	58.6%	12,936,636
2013/14	12.0	5,773,855	35.5%	16,253,546

(3) is from Exhibit WC-Gov-Indem-1.

(4) is from Exhibit WC-Gov-Indem-2.



COOK COUNTY, ILLINOIS
WORKERS' COMPENSATION - GENERAL GOVERNMENT (INDEMNITY)

Exhibit WC-Gov-Indem-5

Developed Limited Case Reserves

Claim Period (1)	Months of Development 11/30/14 (2)	Percent Losses Paid (3)	Percent Losses Reported (4)	Percent Losses Reserved 11/30/14 [(4)-(3)]/ [100.0%-(3)] (5)	Limited Paid Losses 11/30/14 (6)	Limited Case Reserves 11/30/14 (7)	Developed Limited Case Reserves (6)+(7)/(5) (8)
to 1994/95	240.0	98.5%	100.0%	100.0%	\$50,035,746	\$727,464	\$50,763,210
1995/96	228.0	98.5%	100.0%	100.0%	5,196,735	293,415	5,490,150
1996/97	216.0	98.5%	100.0%	100.0%	3,820,582	35,000	3,855,582
1997/98	204.0	98.4%	100.0%	100.0%	3,639,084	203,945	3,843,030
1998/99	192.0	98.2%	100.0%	100.0%	4,262,507	0	4,262,507
1999/00	180.0	98.0%	100.0%	100.0%	5,928,914	196,026	6,124,939
2000/01	168.0	97.8%	99.9%	95.4%	7,102,302	780,767	7,920,850
2001/02	156.0	97.5%	99.8%	91.9%	7,505,279	1,244,623	8,860,009
2002/03	144.0	97.3%	99.6%	85.5%	7,610,854	650,884	8,372,226
2003/04	132.0	96.8%	99.4%	81.5%	7,332,091	1,142,261	8,733,459
2004/05	120.0	95.8%	99.1%	78.6%	7,355,627	349,739	7,800,344
2005/06	108.0	94.4%	98.7%	77.0%	7,951,689	402,234	8,474,112
2006/07	96.0	90.8%	97.7%	75.5%	9,582,604	1,064,687	10,993,611
2007/08	84.0	86.4%	96.1%	71.2%	9,820,422	1,436,649	11,837,315
2008/09	72.0	79.3%	93.8%	69.8%	9,994,637	2,862,660	14,094,282
2009/10	60.0	72.1%	88.0%	57.1%	8,837,536	2,853,540	13,833,494
2010/11	48.0	61.4%	81.1%	51.2%	6,697,008	2,431,471	11,447,309
2011/12	36.0	49.1%	71.8%	44.6%	5,815,806	4,029,458	14,846,912
2012/13	24.0	33.2%	58.6%	38.1%	3,442,891	4,139,794	14,315,138
2013/14	12.0	14.7%	35.5%	24.4%	2,329,368	3,444,487	16,459,725

(3) and (4) are from Exhibit WC-Gov-Indem-2.

(6) and (7) are from Exhibit WC-Gov-Indem-1.



COOK COUNTY, ILLINOIS
WORKERS' COMPENSATION - GENERAL GOVERNMENT (INDEMNITY)

Exhibit WC-Gov-Indem-6

Preliminary Projected Ultimate Limited Losses to 2013/14

Claim Period (1)	Developed Limited Paid Losses (2)	Developed Limited Reported Incurred Losses (3)	Developed Limited Case Reserves (4)	Preliminary Projected Ultimate Limited Losses (5)
to 1994/95	\$50,786,282	\$50,763,210	\$50,763,210	\$50,835,956
1995/96	5,274,687	5,490,150	5,490,150	5,519,492
1996/97	3,877,891	3,855,582	3,855,582	3,859,082
1997/98	3,697,364	3,843,030	3,843,030	3,863,424
1998/99	4,339,433	4,262,507	4,262,507	4,262,507
1999/00	6,047,985	6,124,939	6,124,939	6,144,542
2000/01	7,259,429	7,890,953	7,920,850	7,961,146
2001/02	7,694,334	8,767,411	8,860,009	8,874,364
2002/03	7,825,977	8,294,826	8,372,226	8,372,226
2003/04	7,577,031	8,525,308	8,733,459	8,733,459
2004/05	7,677,366	7,774,953	7,800,344	7,800,344
2005/06	8,423,994	8,463,086	8,474,112	8,474,112
2006/07	10,557,850	10,894,285	10,993,611	10,983,679
2007/08	11,360,865	11,714,020	11,837,315	11,812,656
2008/09	12,603,025	13,713,683	14,094,282	13,980,103
2009/10	12,258,340	13,280,320	13,833,494	13,612,224
2010/11	10,914,885	11,250,769	11,447,309	11,315,450
2011/12	11,848,360	13,711,646	14,846,912	13,793,095
2012/13	10,380,860	12,936,636	14,315,138	12,976,881
2013/14	15,802,676	16,253,546	16,459,725	16,245,843

(2) is from Exhibit WC-Gov-Indem-3.

(3) is from Exhibit WC-Gov-Indem-4.

(4) is from Exhibit WC-Gov-Indem-5.

(5) is based on (2) to (4) and actuarial judgment.



COOK COUNTY, ILLINOIS
WORKERS' COMPENSATION - GENERAL GOVERNMENT (INDEMNITY)

Exhibit WC-Gov-Indem-7

Bornhuetter - Ferguson Analysis

I. A-priori Loss Rate

Claim Period (1)	Preliminary Projected Ultimate Limited Losses (2)	Payroll (000) (3)	Limited Loss Rate per \$100 of Payroll (2)/(3)/10 (4)	Loss Rate Trend (2014/15 = 1.000) (5)	Trended Limited Loss Rate per \$100 of Payroll (4)X(5) (6)	Projected A-priori Loss Rate per \$100 of Payroll (7)/(5) (8)
2004/05	\$7,800,344	\$832,363	\$0.94	1.178	\$1.10	\$1.20
2005/06	8,474,112	826,479	1.03	1.161	1.19	1.22
2006/07	10,983,679	859,906	1.28	1.124	1.44	1.26
2007/08	11,812,656	914,260	1.29	1.099	1.42	1.29
2008/09	13,980,103	942,707	1.48	1.076	1.60	1.31
2009/10	13,612,224	998,250	1.36	1.053	1.44	1.34
2010/11	11,315,450	928,082	1.22	1.044	1.27	1.35
2011/12	13,793,095	899,082	1.53	1.048	1.61	1.35
2012/13	12,976,881	949,338	1.37	1.031	1.41	1.37
2013/14	16,245,843	988,081	1.64	1.015	1.67	1.39

(7) Projected 2014/15 a-priori loss rate per \$100 of Payroll \$1.41

II. Bornhuetter - Ferguson Analysis Based on Limited Paid Losses

Claim Period (1)	Limited Paid Losses 11/30/14 (2)	Percent Losses Paid (3)	Projected A-priori Loss Rate per \$100 of Payroll (4)	Payroll (000) (5)	B-F Unpaid Losses [100.0%-(3)] X(4)X(5)X10 (6)	B-F Ultimate Limited Paid Losses (2)+(6) (7)
2009/10	\$8,837,536	72.1%	\$1.34	\$998,250	\$3,740,657	\$12,578,194
2010/11	6,697,008	61.4%	1.35	928,082	4,857,623	11,554,631
2011/12	5,815,806	49.1%	1.35	899,082	6,177,050	11,992,856
2012/13	3,442,891	33.2%	1.37	949,338	8,701,046	12,143,937
2013/14	2,329,368	14.7%	1.39	988,081	11,734,788	14,064,155

III. Bornhuetter - Ferguson Analysis Based on Limited Reported Incurred Losses

Claim Period (1)	Limited Reported Incurred Losses 11/30/14 (2)	Percent Losses Reported (3)	Projected A-priori Loss Rate per \$100 of Payroll (4)	Payroll (000) (5)	B-F Unreported Losses [100.0%-(3)] X(4)X(5)X10 (6)	B-F Ultimate Limited Reported Losses (2)+(6) (7)
2009/10	\$11,691,076	88.0%	\$1.34	\$998,250	\$1,604,107	\$13,295,183
2010/11	9,128,479	81.1%	1.35	928,082	2,371,218	11,499,697
2011/12	9,845,264	71.8%	1.35	899,082	3,421,002	13,266,266
2012/13	7,582,685	58.6%	1.37	949,338	5,387,973	12,970,659
2013/14	5,773,855	35.5%	1.39	988,081	8,874,257	14,648,111

Section I, (2) is from Exhibit WC-Gov-Indem-6.

Section I, (3), Section II, (5) and Section III, (5) are from Exhibit WC-Gov-Indem-10.

Section I, (5) is from Exhibit WC-Gov-Indem-15.

Section I, (7) is based on Section I, (6) and actuarial judgment.

Sections II and III, (2) are from Exhibit WC-Gov-Indem-1.

Sections II and III, (3) are from Exhibit WC-Gov-Indem-2.

Sections II and III, (4) are from Section I, (8).



COOK COUNTY, ILLINOIS
WORKERS' COMPENSATION - GENERAL GOVERNMENT (INDEMNITY)

Exhibit WC-Gov-Indem-8

Frequency Times Severity Analysis

I. Projected Ultimate Claims

Claim Period (1)	Months of Development 11/30/14 (2)	Reported Claims 11/30/14 (3)	Percent Claims Reported (4)	Projected Ultimate Claims (3)/(4) (5)	Payroll (000) (6)	Frequency (per \$1M of Payroll) (5)/(6)X1,000 (7)
2004/05	120.0	1,318	100.0%	1,318	\$832,363	1.58
2005/06	108.0	1,159	100.0%	1,159	826,479	1.40
2006/07	96.0	902	100.0%	902	859,906	1.05
2007/08	84.0	776	100.0%	776	914,260	0.85
2008/09	72.0	766	100.0%	766	942,707	0.81
2009/10	60.0	862	99.9%	863	998,250	0.86
2010/11	48.0	788	99.8%	790	928,082	0.85
2011/12	36.0	781	99.6%	784	899,082	0.87
2012/13	24.0	715	99.2%	721	949,338	0.76
2013/14	12.0	730	96.8%	754	988,081	0.76

II. Frequency Times Severity

Claim Period (1)	Preliminary Projected Ultimate Limited Losses (2)	Projected Ultimate Claims (3)	Average Severity (2)/(3) (4)	Severity Trend (2014/15 = 1.000) (5)	Trended Average Claim Severity (4)X(5) (6)	De-Trended Projected 2014/15 Average Claim Severity (7)/(5) (8)	Frequency Times Severity (3)X(8) (9)
2004/05	\$7,800,344	1,318	\$5,918	1.582	\$9,366	\$11,389	\$15,010,626
2005/06	8,474,112	1,159	7,312	1.515	11,079	11,894	13,785,187
2006/07	10,983,679	902	12,177	1.424	17,335	12,660	11,419,300
2007/08	11,812,656	776	15,222	1.351	20,570	13,337	10,349,742
2008/09	13,980,103	766	18,251	1.284	23,442	14,032	10,748,303
2009/10	13,612,224	863	15,773	1.221	19,253	14,765	12,742,478
2010/11	11,315,450	790	14,323	1.175	16,828	15,340	12,118,749
2011/12	13,793,095	784	17,593	1.145	20,143	15,741	12,341,283
2012/13	12,976,881	721	17,998	1.094	19,686	16,478	11,880,352
2013/14	16,245,843	754	21,546	1.045	22,525	17,239	12,998,412
(7) Projected 2014/15 average claim severity					\$18,023		

Section I, (3) is from Exhibit WC-Gov-Indem-1.

Section I, (4) is from Exhibit WC-Gov-Indem-2.

Section I, (6) is from Exhibit WC-Gov-Indem-10.

Section II, (2) is from Exhibit WC-Gov-Indem-6.

Section II, (3) is from Section I, (5).

Section II, (5) is from Exhibit WC-Gov-Indem-15.

Section II, (7) is based on (6) and actuarial judgment.



COOK COUNTY, ILLINOIS
WORKERS' COMPENSATION - GENERAL GOVERNMENT (INDEMNITY)

Exhibit WC-Gov-Indem-9

Projected Ultimate Limited Losses to 2013/14

Claim Period (1)	Developed Limited Paid Losses (2)	Developed Limited Reported Incurred Losses (3)	Developed Limited Case Reserves (4)	B-F Ultimate Limited Paid Losses (5)	B-F Ultimate Limited Reported Losses (6)	Frequency Times Severity (7)	Prior Projected Ultimate Limited Losses (8)	Projected Ultimate Limited Losses (9)
to 1994/95	\$50,786,282	\$50,763,210	\$50,763,210				\$51,943,000	\$50,836,000
1995/96	5,274,687	5,490,150	5,490,150				5,645,368	5,519,492
1996/97	3,877,891	3,855,582	3,855,582				3,843,462	3,859,082
1997/98	3,697,364	3,843,030	3,843,030				3,664,318	3,863,424
1998/99	4,339,433	4,262,507	4,262,507				4,756,000	4,262,507
1999/00	6,047,985	6,124,939	6,124,939				6,274,353	6,145,000
2000/01	7,259,429	7,890,953	7,920,850				7,328,000	7,961,146
2001/02	7,694,334	8,767,411	8,860,009				7,909,436	8,874,364
2002/03	7,825,977	8,294,826	8,372,226				7,991,000	8,372,000
2003/04	7,577,031	8,525,308	8,733,459				7,956,000	8,733,000
2004/05	7,677,366	7,774,953	7,800,344				7,699,000	7,800,000
2005/06	8,423,994	8,463,086	8,474,112				8,517,000	8,474,000
2006/07	10,557,850	10,894,285	10,993,611				10,579,000	10,984,000
2007/08	11,360,865	11,714,020	11,837,315				10,693,000	11,813,000
2008/09	12,603,025	13,713,683	14,094,282				11,983,000	13,980,000
2009/10	12,258,340	13,280,320	13,833,494	12,578,194	13,295,183	12,742,478	12,822,000	13,612,000
2010/11	10,914,885	11,250,769	11,447,309	11,554,631	11,499,697	12,118,749	11,538,000	11,315,000
2011/12	11,848,360	13,711,646	14,846,912	11,992,856	13,266,266	12,341,283	11,683,000	13,793,000
2012/13	10,380,860	12,936,636	14,315,138	12,143,937	12,970,659	11,880,352	11,977,000	12,981,000
2013/14	15,802,676	16,253,546	16,459,725	14,064,155	14,648,111	12,998,412	13,056,000	15,000,000
Total	\$216,208,631 #	\$227,810,858 #	\$232,328,203 #	\$62,333,773 #	\$65,679,917 #	\$62,081,275 #	\$217,857,938 #	\$228,178,016
Total 5 Years	61,205,120 0	67,432,916 0	70,902,577 0	62,333,773 0	65,679,917 0	62,081,275 0	61,076,000 #	66,701,000

(2) is from Exhibit WC-Gov-Indem-3.

(3) is from Exhibit WC-Gov-Indem-4.

(4) is from Exhibit WC-Gov-Indem-5.

(5) and (6) are from Exhibit WC-Gov-Indem-7.

(7) is from Exhibit WC-Gov-Indem-8.

(8) is from prior actuarial study and includes Cermak.

(9) is based on (2) to (8) and actuarial judgment.



COOK COUNTY, ILLINOIS
WORKERS' COMPENSATION - GENERAL GOVERNMENT (INDEMNITY)

Exhibit WC-Gov-Indem-10

Projected Ultimate Limited Losses for 2014/15 and Subsequent

Claim Period (1)	Projected Ultimate Limited Losses (2)	Payroll (000) (3)	Limited Loss Rate per \$100 of Payroll (2)/(3)/10 (4)	Loss Rate Trend (2014/15 = 1.000) (5)	Trended Limited Loss Rate per \$100 of Payroll (4)X(5) (6)
2004/05	\$7,800,000	\$832,363	\$0.94	1.178	\$1.10
2005/06	8,474,000	826,479	1.03	1.161	1.19
2006/07	10,984,000	859,906	1.28	1.124	1.44
2007/08	11,813,000	914,260	1.29	1.099	1.42
2008/09	13,980,000	942,707	1.48	1.076	1.60
2009/10	13,612,000	998,250	1.36	1.053	1.44
2010/11	11,315,000	928,082	1.22	1.044	1.27
2011/12	13,793,000	899,082	1.53	1.048	1.61
2012/13	12,981,000	949,338	1.37	1.031	1.41
2013/14	15,000,000	988,081	1.52	1.015	1.54
Total	\$119,752,000	\$9,138,549	\$1.31		\$1.40

Claim Period (1)	Projected Limited Loss Rate per \$100 of Payroll (7)	Projected Payroll (000) (8)	Projected Ultimate Limited Losses (7)X(8)X10 (9)	Present Value Factor (10)	Present Value of Projected Limited Loss Rate per \$100 of Payroll (7)X(10) (11)	Present Value of Projected Ultimate Limited Losses (8)X(11)X10 (12)
2014/15	\$1.40	\$998,567	\$13,991,000	0.88	\$1.24	\$12,338,000
2015/16	1.42	998,567	14,201,000	0.88	1.25	12,523,000
2016/17	1.44	998,567	14,414,000	0.88	1.27	12,711,000

(2) is from Exhibit WC-Gov-Indem-9.

(3) was provided by the County.

(5) is from Exhibit WC-Gov-Indem-15.

(7) for 2014/15 is based on (6) and actuarial judgment.

(7) for 2015/16 and subsequent are based on 2014/15 plus the trend in Exhibit WC-Gov-Indem-15.

(8) to 2014/15 was provided by the County. Other claim periods are based on a 0% trend.

(10) is based on a 3.4% interest rate and the payout pattern in Exhibit WC-Gov-Indem-2.



COOK COUNTY, ILLINOIS
WORKERS' COMPENSATION - GENERAL GOVERNMENT (INDEMNITY)

Exhibit WC-Gov-Indem-11

Estimated Outstanding Losses as of November 30, 2014

Claim Period (1)	Limited Paid Losses 11/30/14 (2)	Limited Case Reserves 11/30/14 (3)	Limited Reported Incurred Losses 11/30/14 (4)	Projected Ultimate Limited Losses (5)	Estimated IBNR 11/30/14 (5)-(4) (6)	Estimated Outstanding Losses 11/30/14 (3)+(6) (7)	Present Value Factor (8)	Present Value of Estimated Outstanding Losses 11/30/14 (7)X(8) (9)
to 1994/95	\$50,035,746	\$727,464	\$50,763,210	\$50,836,000	\$72,790	\$800,254	0.92	\$736,946
1995/96	5,196,735	293,415	5,490,150	5,519,492	29,341	322,756	0.89	287,450
1996/97	3,820,582	35,000	3,855,582	3,859,082	3,500	38,500	0.86	33,161
1997/98	3,639,084	203,945	3,843,030	3,863,424	20,395	224,340	0.84	189,040
1998/99	4,262,507	0	4,262,507	4,262,507	0	0	0.83	0
1999/00	5,928,914	196,026	6,124,939	6,145,000	20,061	216,087	0.82	178,191
2000/01	7,102,302	780,767	7,883,070	7,961,146	78,077	858,844	0.81	699,655
2001/02	7,505,279	1,244,623	8,749,902	8,874,364	124,462	1,369,085	0.81	1,111,085
2002/03	7,610,854	650,884	8,261,738	8,372,000	110,262	761,146	0.81	613,687
2003/04	7,332,091	1,142,261	8,474,352	8,733,000	258,648	1,400,909	0.81	1,135,628
2004/05	7,355,627	349,739	7,705,365	7,800,000	94,635	444,374	0.83	368,847
2005/06	7,951,689	402,234	8,353,924	8,474,000	120,076	522,310	0.85	443,292
2006/07	9,582,604	1,064,687	10,647,291	10,984,000	336,709	1,401,396	0.89	1,240,249
2007/08	9,820,422	1,436,649	11,257,071	11,813,000	555,929	1,992,578	0.90	1,786,704
2008/09	9,994,637	2,862,660	12,857,297	13,980,000	1,122,703	3,985,363	0.91	3,616,148
2009/10	8,837,536	2,853,540	11,691,076	13,612,000	1,920,924	4,774,464	0.90	4,320,515
2010/11	6,697,008	2,431,471	9,128,479	11,315,000	2,186,521	4,617,992	0.91	4,180,567
2011/12	5,815,806	4,029,458	9,845,264	13,793,000	3,947,736	7,977,194	0.90	7,191,764
2012/13	3,442,891	4,139,794	7,582,685	12,981,000	5,398,315	9,538,109	0.90	8,569,776
2013/14	2,329,368	3,444,487	5,773,855	15,000,000	9,226,145	12,670,632	0.89	11,323,589
Total	\$174,261,682	\$28,289,104	\$202,550,786	\$228,178,016	\$25,627,229	\$53,916,333		\$48,026,294

(2), (3) and (4) are net of specific self insured retention and aggregate retention.

(5) is from Exhibit WC-Gov-Indem-9.

(8) is based on a 3.4% interest rate and the payout pattern in Exhibit WC-Gov-Indem-2.



COOK COUNTY, ILLINOIS
WORKERS' COMPENSATION - GENERAL GOVERNMENT (INDEMNITY)

Exhibit WC-Gov-Indem-12

Projected Losses Paid December 1, 2014 to November 30, 2015

Claim Period (1)	Months of Development 11/30/14 (2)	Percent Losses Paid (3)	Months of Development 11/30/15 (4)	Percent Losses Paid (5)	Percent Outstanding Losses Paid 12/1/14 to 11/30/15 [(5)-(3)]/ [100.0%-(3)] (6)	Estimated Outstanding Losses 11/30/14 (7)	Projected Losses Paid (6)X(7) (8)	Estimated Outstanding Losses 11/30/15 (7)-(8) (9)	Present Value Factor (10)	Present Value of Estimated Outstanding Losses 11/30/15 (9)X(10) (11)
to 1994/95	240.0	98.5%	252.0	99.0%	18.0% *	\$800,254	\$144,046	\$656,208	0.92	\$605,894
1995/96	228.0	98.5%	240.0	98.5%	18.0% *	322,756	58,096	264,660	0.92	243,723
1996/97	216.0	98.5%	228.0	98.5%	18.0% *	38,500	6,930	31,570	0.89	28,117
1997/98	204.0	98.4%	216.0	98.5%	6.2% *	224,340	14,008	210,332	0.86	181,164
1998/99	192.0	98.2%	204.0	98.4%	11.1% *	0	0	0	0.84	0
1999/00	180.0	98.0%	192.0	98.2%	10.0% *	216,087	21,519	194,568	0.83	162,282
2000/01	168.0	97.8%	180.0	98.0%	9.0% *	858,844	77,642	781,202	0.82	644,199
2001/02	156.0	97.5%	168.0	97.8%	11.9% *	1,369,085	163,053	1,206,032	0.81	982,490
2002/03	144.0	97.3%	156.0	97.5%	10.6% *	761,146	80,786	680,360	0.81	552,148
2003/04	132.0	96.8%	144.0	97.3%	15.0% *	1,400,909	209,676	1,191,233	0.81	960,451
2004/05	120.0	95.8%	132.0	96.8%	18.0% *	444,374	79,987	364,387	0.81	295,385
2005/06	108.0	94.4%	120.0	95.8%	18.0% *	522,310	94,016	428,294	0.83	355,500
2006/07	96.0	90.8%	108.0	94.4%	18.0% *	1,401,396	252,251	1,149,145	0.85	975,295
2007/08	84.0	86.4%	96.0	90.8%	18.0% *	1,992,578	358,664	1,633,914	0.89	1,446,030
2008/09	72.0	79.3%	84.0	86.4%	18.0% *	3,985,363	717,365	3,267,998	0.90	2,930,346
2009/10	60.0	72.1%	72.0	79.3%	18.0% *	4,774,464	859,404	3,915,060	0.91	3,552,358
2010/11	48.0	61.4%	60.0	72.1%	18.0% *	4,617,992	831,239	3,786,753	0.90	3,426,714
2011/12	36.0	49.1%	48.0	61.4%	18.0% *	7,977,194	1,435,895	6,541,299	0.91	5,921,695
2012/13	24.0	33.2%	36.0	49.1%	18.0% *	9,538,109	1,716,860	7,821,249	0.90	7,051,173
2013/14	12.0	14.7%	24.0	33.2%	18.0% *	12,670,632	2,280,714	10,389,918	0.90	9,335,107
2014/15	0.0	0.0%	12.0	14.7%	14.7% *	13,991,000	2,062,321	11,928,679	0.89	10,660,514
Total						\$67,907,333	\$11,464,472	\$56,442,861		\$50,310,585

* - Limited to a maximum of 18% per actuarial judgment.

(3) and (5) are from Exhibit WC-Gov-Indem-2.

(7) to 2013/14 is from Exhibit WC-Gov-Indem-11. The amount for 2014/15 is from Exhibit WC-Gov-Indem-10.

(10) is based on a 3.4% interest rate and the payout pattern in Exhibit WC-Gov-Indem-2.



COOK COUNTY, ILLINOIS
WORKERS' COMPENSATION - GENERAL GOVERNMENT (INDEMNITY)

Exhibit WC-Gov-Indem-13

Projected Losses Paid December 1, 2015 to November 30, 2016

Claim Period (1)	Months of Development 11/30/15 (2)	Percent Losses Paid (3)	Months of Development 11/30/16 (4)	Percent Losses Paid (5)	Percent Outstanding Losses Paid 12/1/15 to 11/30/16 [(5)-(3)]/ [100.0%-(3)] (6)	Estimated Outstanding Losses 11/30/15 (7)	Projected Losses Paid (6)X(7) (8)	Estimated Outstanding Losses 11/30/16 (7)-(8) (9)	Present Value Factor (10)	Present Value of Estimated Outstanding Losses 11/30/16 (9)X(10) (11)
to 1994/95	252.0	99.0%	264.0	99.3%	18.0% *	\$656,208	\$118,117	\$538,091	0.93	\$498,519
1995/96	240.0	98.5%	252.0	99.0%	18.0% *	264,660	47,639	217,021	0.92	200,381
1996/97	228.0	98.5%	240.0	98.5%	18.0% *	31,570	5,683	25,887	0.92	23,839
1997/98	216.0	98.5%	228.0	98.5%	18.0% *	210,332	37,860	172,472	0.89	153,605
1998/99	204.0	98.4%	216.0	98.5%	6.2% *	0	0	0	0.86	0
1999/00	192.0	98.2%	204.0	98.4%	11.1% *	194,568	21,562	173,006	0.84	145,784
2000/01	180.0	98.0%	192.0	98.2%	10.0% *	781,202	77,797	703,405	0.83	586,685
2001/02	168.0	97.8%	180.0	98.0%	9.0% *	1,206,032	109,028	1,097,004	0.82	904,617
2002/03	156.0	97.5%	168.0	97.8%	11.9% *	680,360	81,028	599,332	0.81	488,244
2003/04	144.0	97.3%	156.0	97.5%	10.6% *	1,191,233	126,434	1,064,799	0.81	864,141
2004/05	132.0	96.8%	144.0	97.3%	15.0% *	364,387	54,538	309,849	0.81	249,821
2005/06	120.0	95.8%	132.0	96.8%	18.0% *	428,294	77,093	351,201	0.81	284,696
2006/07	108.0	94.4%	120.0	95.8%	18.0% *	1,149,145	206,846	942,299	0.83	782,142
2007/08	96.0	90.8%	108.0	94.4%	18.0% *	1,633,914	294,105	1,339,809	0.85	1,137,114
2008/09	84.0	86.4%	96.0	90.8%	18.0% *	3,267,998	588,240	2,679,758	0.89	2,371,612
2009/10	72.0	79.3%	84.0	86.4%	18.0% *	3,915,060	704,711	3,210,349	0.90	2,878,654
2010/11	60.0	72.1%	72.0	79.3%	18.0% *	3,786,753	681,616	3,105,137	0.91	2,817,468
2011/12	48.0	61.4%	60.0	72.1%	18.0% *	6,541,299	1,177,434	5,363,865	0.90	4,853,876
2012/13	36.0	49.1%	48.0	61.4%	18.0% *	7,821,249	1,407,825	6,413,424	0.91	5,805,933
2013/14	24.0	33.2%	36.0	49.1%	18.0% *	10,389,918	1,870,185	8,519,733	0.90	7,680,885
2014/15	12.0	14.7%	24.0	33.2%	18.0% *	11,928,679	2,147,162	9,781,517	0.90	8,788,473
2015/16	0.0	0.0%	12.0	14.7%	14.7% *	14,201,000	2,093,275	12,107,725	0.89	10,820,526
Total						\$70,643,861	\$11,928,178	\$58,715,683		\$52,337,015

* - Limited to a maximum of 18% per actuarial judgment.

(3) and (5) are from Exhibit WC-Gov-Indem-2.

(7) to 2014/15 is from Exhibit WC-Gov-Indem-12, (9). The amount for 2015/16 is from Exhibit WC-Gov-Indem-10.

(10) is based on a 3.4% interest rate and the payout pattern in Exhibit WC-Gov-Indem-2.



COOK COUNTY, ILLINOIS
WORKERS' COMPENSATION - GENERAL GOVERNMENT (INDEMNITY)

Exhibit WC-Gov-Indem-14

Projected Losses Paid December 1, 2016 to November 30, 2017

Claim Period (1)	Months of Development 11/30/16 (2)	Percent Losses Paid (3)	Months of Development 11/30/17 (4)	Percent Losses Paid (5)	Percent Outstanding Losses Paid 12/1/16 to 11/30/17 [(5)-(3)]/ [100.0%-(3)] (6)	Estimated Outstanding Losses 11/30/16 (7)	Projected Losses Paid (6)X(7) (8)	Estimated Outstanding Losses 11/30/17 (7)-(8) (9)	Present Value Factor (10)	Present Value of Estimated Outstanding Losses 11/30/17 (9)X(10) (11)
to 1994/95	264.0	99.3%	276.0	99.5%	18.0% *	\$538,091	\$96,856	\$441,235	0.93	\$410,547
1995/96	252.0	99.0%	264.0	99.3%	18.0% *	217,021	39,064	177,957	0.93	164,870
1996/97	240.0	98.5%	252.0	99.0%	18.0% *	25,887	4,660	21,227	0.92	19,599
1997/98	228.0	98.5%	240.0	98.5%	18.0% *	172,472	31,045	141,427	0.92	130,239
1998/99	216.0	98.5%	228.0	98.5%	18.0% *	0	0	0	0.89	0
1999/00	204.0	98.4%	216.0	98.5%	6.2% *	173,006	10,803	162,203	0.86	139,709
2000/01	192.0	98.2%	204.0	98.4%	11.1% *	703,405	77,952	625,453	0.84	527,038
2001/02	180.0	98.0%	192.0	98.2%	10.0% *	1,097,004	109,246	987,758	0.83	823,853
2002/03	168.0	97.8%	180.0	98.0%	9.0% *	599,332	54,181	545,151	0.82	449,545
2003/04	156.0	97.5%	168.0	97.8%	11.9% *	1,064,799	126,814	937,985	0.81	764,127
2004/05	144.0	97.3%	156.0	97.5%	10.6% *	309,849	32,887	276,962	0.81	224,769
2005/06	132.0	96.8%	144.0	97.3%	15.0% *	351,201	52,565	298,636	0.81	240,780
2006/07	120.0	95.8%	132.0	96.8%	18.0% *	942,299	169,614	772,685	0.81	626,367
2007/08	108.0	94.4%	120.0	95.8%	18.0% *	1,339,809	241,166	1,098,643	0.83	911,913
2008/09	96.0	90.8%	108.0	94.4%	18.0% *	2,679,758	482,356	2,197,402	0.85	1,864,965
2009/10	84.0	86.4%	96.0	90.8%	18.0% *	3,210,349	577,863	2,632,486	0.89	2,329,775
2010/11	72.0	79.3%	84.0	86.4%	18.0% *	3,105,137	558,925	2,546,212	0.90	2,283,136
2011/12	60.0	72.1%	72.0	79.3%	18.0% *	5,363,865	965,496	4,398,369	0.91	3,990,892
2012/13	48.0	61.4%	60.0	72.1%	18.0% *	6,413,424	1,154,416	5,259,008	0.90	4,758,989
2013/14	36.0	49.1%	48.0	61.4%	18.0% *	8,519,733	1,533,552	6,986,181	0.91	6,324,437
2014/15	24.0	33.2%	36.0	49.1%	18.0% *	9,781,517	1,760,673	8,020,844	0.90	7,231,116
2015/16	12.0	14.7%	24.0	33.2%	18.0% *	12,107,725	2,179,391	9,928,334	0.90	8,920,384
2016/17	0.0	0.0%	12.0	14.7%	14.7% *	14,414,000	2,124,672	12,289,328	0.89	10,982,822
Total						\$73,129,683	\$12,384,197	\$60,745,486		\$54,119,872

* - Limited to a maximum of 18% per actuarial judgment.

(3) and (5) are from Exhibit WC-Gov-Indem-2.

(7) to 2015/16 is from Exhibit WC-Gov-Indem-13. (9). The amount for 2016/17 is from Exhibit WC-Gov-Indem-10.

(10) is based on a 3.4% interest rate and the payout pattern in Exhibit WC-Gov-Indem-2.



COOK COUNTY, ILLINOIS
WORKERS' COMPENSATION - GENERAL GOVERNMENT (INDEMNITY)

Exhibit WC-Gov-Indem-15

Loss Rate and Severity Trend

I. Benefit Level Changes

Effective Date (1)	Benefit Level Change (2)	Cumulative Benefit Level Change (3)
07/01/05	1.002	1.002
07/15/05	1.000	1.002
07/20/05	1.084	1.086
11/16/05	0.923	1.002
01/15/06	1.003	1.005
02/01/06	1.071	1.076
07/01/06	1.002	1.078
07/15/06	1.002	1.081
01/15/07	1.003	1.084
07/01/07	1.002	1.086
07/15/07	1.002	1.088
01/15/08	1.003	1.091
07/01/08	1.003	1.095
07/15/08	1.002	1.097
01/15/09	1.002	1.099
07/01/09	1.001	1.100
07/15/09	1.002	1.102
01/15/10	1.004	1.106
07/01/10	1.001	1.107
07/15/10	1.002	1.110
06/28/11	0.989	1.098
07/01/11	1.001	1.099
09/01/11	0.983	1.080
01/15/13	1.001	1.081
07/15/13	1.001	1.082

II. Loss Rate and Severity Trend

Claim Period (1)	Benefit Trend (2014/15 = 1.000) (2)	Residual Trend (2014/15 = 1.000) (3)	Retention Index (2014/15 = 1.000) (4)	Loss Rate Trend (2014/15 = 1.000) (2)X(3)X(4) (5)	Wage Trend (2014/15 = 1.000) (6)	Severity Trend (2014/15 = 1.000) (5)X(6) (7)
2004/05	1.015	1.161	1.000	1.178	1.344	1.582
2005/06	1.016	1.143	1.000	1.161	1.305	1.515
2006/07	0.998	1.126	1.000	1.124	1.267	1.424
2007/08	0.990	1.110	1.000	1.099	1.230	1.351
2008/09	0.984	1.093	1.000	1.076	1.194	1.284
2009/10	0.977	1.077	1.000	1.053	1.159	1.221
2010/11	0.984	1.061	1.000	1.044	1.126	1.175
2011/12	1.002	1.046	1.000	1.048	1.093	1.145
2012/13	1.001	1.030	1.000	1.031	1.061	1.094
2013/14	1.000	1.015	1.000	1.015	1.030	1.045
2014/15	1.000	1.000	1.000	1.000	1.000	1.000
2015/16	1.000	0.985	1.000	0.985	0.971	0.957

Section I, (2) and (3) reflect NCCI data.

Section II, (2) is based on Section I, (2).

Section II, (3) is based on 1.5% trend per actuarial judgment.

Section II, (4) is based on industry statistics and actuarial judgment.

Section II, (6) is based on 3% trend.



COOK COUNTY, ILLINOIS
 WORKERS' COMPENSATION - GENERAL GOVERNMENT (INDEMNITY)

Exhibit WC-Gov-Indem-16

List of Large Claims
 Reported Incurred Losses Greater Than \$1,000,000

Claim Number (1)	Date of Loss (2)	Claim Period (3)	Specific Self-Insured Retention (4)	Unlimited Paid Losses 11/30/14 (5)	Unlimited Case Reserves 11/30/14 (6)	Unlimited Reported Incurred Losses 11/30/14 (7)
950468	2/28/1995	to 1994/95	Unlimited	\$605,132	\$446,732	\$1,051,864
20020274	1/24/2002	2001/02	9,500,000	264,524	818,423	1,082,947
20071070	8/1/2007	2006/07	Unlimited	1,452,197	0	1,452,197

Amounts are gross of excess insurance.

The claim(s) indicated by a "*" have been limited in development.

(1) through (7) were provided by the County.



COOK COUNTY, ILLINOIS
WORKERS' COMPENSATION - GENERAL GOVERNMENT (INDEMNITY)

Exhibit WC-Gov-Indem-17

Size of Loss Distribution

I. Reported Claim Count

Layer (1)	Prior (2)	2009/10 (3)	2010/11 (4)	2011/12 (5)	2012/13 (6)	2013/14 (7)	Total (2)...(7) (8)	Non-Zero Claim Cumulative Total (9)	Non-Zero Claim Cumulative % of Total (10)
0	15,514	506	359	190	100	152	16,821		
0.01 - 5,000	6,595	128	220	403	451	388	8,185	8,185	62.7%
5,000 - 10,000	1,172	49	34	33	24	44	1,356	9,541	73.0%
10,000 - 25,000	1,304	62	72	50	63	64	1,615	11,156	85.4%
25,000 - 50,000	717	46	50	47	30	53	943	12,099	92.6%
50,000 - 100,000	400	40	35	31	27	24	557	12,656	96.9%
100,000 - 250,000	214	24	15	23	18	4	298	12,954	99.2%
250,000 - 500,000	71	7	3	4	2	1	88	13,042	99.9%
500,000 - 750,000	12	0	0	0	0	0	12	13,054	99.9%
750,000 - 1,000,000	4	0	0	0	0	0	4	13,058	100.0%
Over 1,000,000	3	0	0	0	0	0	3	13,061	100.0%
Total	26,006	862	788	781	715	730	29,882	13,061	

II. Total Reported Incurred Losses

Layer (1)	Prior (2)	2009/10 (3)	2010/11 (4)	2011/12 (5)	2012/13 (6)	2013/14 (7)	Total (2)...(7) (8)	Non-Zero Claim Cumulative Total (9)	Non-Zero Claim Cumulative % of Total (10)
0	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
0.01 - 5,000	6,471,327	193,063	236,007	221,563	161,339	178,312	7,461,612	7,461,612	3.7%
5,000 - 10,000	8,644,301	364,311	256,792	212,448	176,405	340,195	9,994,452	17,456,064	8.6%
10,000 - 25,000	21,012,465	1,046,880	1,211,079	853,308	1,024,500	1,061,744	26,209,976	43,666,040	21.6%
25,000 - 50,000	25,017,263	1,653,116	1,810,287	1,750,237	1,090,114	1,862,922	33,183,938	76,849,977	37.9%
50,000 - 100,000	27,380,715	2,836,655	2,448,568	2,092,475	1,877,389	1,592,611	38,228,413	115,078,391	56.8%
100,000 - 250,000	33,310,071	3,489,406	2,335,652	3,613,881	2,539,869	487,071	45,775,952	160,854,342	79.4%
250,000 - 500,000	23,286,081	2,107,644	830,093	1,101,352	713,070	251,000	28,289,240	189,143,583	93.4%
500,000 - 750,000	6,660,767	0	0	0	0	0	6,660,767	195,804,349	96.7%
750,000 - 1,000,000	3,159,428	0	0	0	0	0	3,159,428	198,963,777	98.2%
Over 1,000,000	3,587,008	0	0	0	0	0	3,587,008	202,550,786	100.0%
Total	\$158,529,427	\$11,691,076	\$9,128,479	\$9,845,264	\$7,582,685	\$5,773,855	\$202,550,786	\$202,550,786	

Amounts are gross of excess insurance.

Data was provided by the County.



COOK COUNTY, ILLINOIS
WORKERS' COMPENSATION - GENERAL GOVERNMENT (MEDICAL)

Exhibit WC-Gov-Med-1 (page 1)

Data Summary as of November 30, 2014
Losses Limited to Self-Insured Retention

Claim Period (1)	Specific Self-Insured Retention (2)	Aggregate Retention (3)	Months of Development 11/30/14 (4)	Payroll (000) (5)	Reported Claims 11/30/14 (6)	Open Claims 11/30/14 (7)	Limited Paid Losses 11/30/14 (8)	Limited Case Reserves 11/30/14 (9)	Limited Reported Incurred Losses 11/30/14 (10)
to 1994/95	See Note	None	240.0	Not Provided	10,274	9	\$19,827,437	\$124,720	\$19,952,157
1995/96	Unlimited	None	228.0	Not Provided	1,355	2	2,546,083	1,040	2,547,123
1996/97	Unlimited	None	216.0	Not Provided	1,237	1	1,718,758	0	1,718,758
1997/98	Unlimited	None	204.0	Not Provided	1,181	3	1,759,978	18,624	1,778,602
1998/99	Unlimited	None	192.0	Not Provided	1,120	0	2,504,395	0	2,504,395
1999/00	Unlimited	None	180.0	Not Provided	1,133	5	2,879,526	65,024	2,944,549
2000/01	9,500,000	None	168.0	719,952	1,183	7	4,761,985	110,264	4,872,249
2001/02	9,500,000	None	156.0	752,457	1,161	6	4,541,970	3,904	4,545,874
2002/03	9,500,000	None	144.0	779,098	1,223	5	4,546,835	0	4,546,835
2003/04	Unlimited	None	132.0	810,182	1,218	10	4,145,576	54,556	4,200,132
2004/05	Unlimited	None	120.0	832,363	1,318	8	12,140,395	25,401	12,165,796
2005/06	Unlimited	None	108.0	826,479	1,159	14	4,298,352	58,995	4,357,347
2006/07	Unlimited	None	96.0	859,906	902	19	5,287,329	66,010	5,353,339
2007/08	Unlimited	None	84.0	914,260	776	37	10,180,064	111,066	10,291,129
2008/09	Unlimited	None	72.0	942,707	766	58	5,858,613	256,509	6,115,122
2009/10	Unlimited	None	60.0	998,250	862	94	6,071,323	272,183	6,343,506
2010/11	Unlimited	None	48.0	928,082	788	103	4,507,448	231,775	4,739,223
2011/12	Unlimited	None	36.0	899,082	781	134	4,280,488	463,182	4,743,669
2012/13	Unlimited	None	24.0	949,338	715	164	3,263,028	1,693,834	4,956,862
2013/14	Unlimited	None	12.0	988,081	730	389	1,529,698	3,290,631	4,820,330
Total					29,882	1,068	\$106,649,280	\$6,847,719	\$113,496,999

* The specific self-insured retention changes are as follows:

Effective Date	Retention
12/01/77	Unlimited
12/01/00	9,500,000
12/01/03	Unlimited

(8), (9) and (10) are net of the specific self-insured retention and other recoveries.

Data was provided by the County.



COOK COUNTY, ILLINOIS
WORKERS' COMPENSATION - GENERAL GOVERNMENT (MEDICAL)

Exhibit WC-Gov-Med-1 (page 2)

Data Summary as of November 30, 2014
Unlimited Losses

Claim Period (1)	Specific Self-Insured Retention (2)	Aggregate Retention (3)	Months of Development 11/30/14 (4)	Payroll (000) (5)	Reported Claims 11/30/14 (6)	Open Claims 11/30/14 (7)	Unlimited Paid Losses 11/30/14 (8)	Unlimited Case Reserves 11/30/14 (9)	Unlimited Reported Incurred Losses 11/30/14 (10)
to 1994/95	Unlimited	None	240.0	Not Provided	10,274	9	\$19,827,437	\$124,720	\$19,952,157
1995/96	Unlimited	None	228.0	Not Provided	1,355	2	2,546,083	1,040	2,547,123
1996/97	Unlimited	None	216.0	Not Provided	1,237	1	1,718,758	0	1,718,758
1997/98	Unlimited	None	204.0	Not Provided	1,181	3	1,759,978	18,624	1,778,602
1998/99	Unlimited	None	192.0	Not Provided	1,120	0	2,504,395	0	2,504,395
1999/00	Unlimited	None	180.0	Not Provided	1,133	5	2,879,526	65,024	2,944,549
2000/01	Unlimited	None	168.0	719,952	1,183	7	4,761,985	110,264	4,872,249
2001/02	Unlimited	None	156.0	752,457	1,161	6	4,541,970	3,904	4,545,874
2002/03	Unlimited	None	144.0	779,098	1,223	5	4,546,835	0	4,546,835
2003/04	Unlimited	None	132.0	810,182	1,218	10	4,145,576	54,556	4,200,132
2004/05	Unlimited	None	120.0	832,363	1,318	8	12,140,395	25,401	12,165,796
2005/06	Unlimited	None	108.0	826,479	1,159	14	4,298,352	58,995	4,357,347
2006/07	Unlimited	None	96.0	859,906	902	19	5,287,329	66,010	5,353,339
2007/08	Unlimited	None	84.0	914,260	776	37	10,180,064	111,066	10,291,129
2008/09	Unlimited	None	72.0	942,707	766	58	5,858,613	256,509	6,115,122
2009/10	Unlimited	None	60.0	998,250	862	94	6,071,323	272,183	6,343,506
2010/11	Unlimited	None	48.0	928,082	788	103	4,507,448	231,775	4,739,223
2011/12	Unlimited	None	36.0	899,082	781	134	4,280,488	463,182	4,743,669
2012/13	Unlimited	None	24.0	949,338	715	164	3,263,028	1,693,834	4,956,862
2013/14	Unlimited	None	12.0	988,081	730	389	1,529,698	3,290,631	4,820,330
Total					29,882	1,068	\$106,649,280	\$6,847,719	\$113,496,999

(8), (9) and (10) are gross of the specific self-insured retention and other recoveries.

Data was provided by the County.



COOK COUNTY, ILLINOIS
 WORKERS' COMPENSATION - GENERAL GOVERNMENT (MEDICAL)

Exhibit WC-Gov-Med-2 (page 1)

Summary of Percent Losses Paid, Losses Reported and Claims Reported

Months of Development (1)	Percent Losses Paid (2)	Percent Losses Reported (3)	Percent Claims Reported (4)	Months of Development (5)	Percent Losses Paid (6)	Percent Losses Reported (7)	Percent Claims Reported (8)
360.0	99.9%	100.0%	100.0%	354.0	99.9%	100.0%	100.0%
348.0	99.9%	100.0%	100.0%	342.0	99.9%	100.0%	100.0%
336.0	99.8%	100.0%	100.0%	330.0	99.8%	100.0%	100.0%
324.0	99.8%	100.0%	100.0%	318.0	99.7%	100.0%	100.0%
312.0	99.7%	100.0%	100.0%	306.0	99.6%	100.0%	100.0%
300.0	99.5%	100.0%	100.0%	294.0	99.4%	100.0%	100.0%
288.0	99.3%	100.0%	100.0%	282.0	99.2%	100.0%	100.0%
276.0	99.0%	100.0%	100.0%	270.0	98.8%	100.0%	100.0%
264.0	98.6%	100.0%	100.0%	258.0	98.3%	100.0%	100.0%
252.0	98.0%	100.0%	100.0%	246.0	97.5%	100.0%	100.0%
240.0	97.1%	100.0%	100.0%	234.0	97.1%	100.0%	100.0%
228.0	97.1%	100.0%	100.0%	222.0	97.1%	100.0%	100.0%
216.0	97.1%	100.0%	100.0%	210.0	97.1%	100.0%	100.0%
204.0	97.1%	100.0%	100.0%	198.0	97.0%	100.0%	100.0%
192.0	97.0%	100.0%	100.0%	186.0	96.9%	100.0%	100.0%
180.0	96.9%	100.0%	100.0%	174.0	96.8%	100.0%	100.0%
168.0	96.8%	100.0%	100.0%	162.0	96.7%	100.0%	100.0%
156.0	96.6%	99.9%	100.0%	150.0	96.4%	99.9%	100.0%
144.0	96.2%	99.8%	100.0%	138.0	96.0%	99.8%	100.0%
132.0	95.8%	99.7%	100.0%	126.0	95.6%	99.7%	100.0%
120.0	95.4%	99.6%	100.0%	114.0	94.9%	99.6%	100.0%
108.0	94.4%	99.5%	100.0%	102.0	93.7%	99.4%	100.0%
96.0	93.0%	99.3%	100.0%	90.0	92.1%	99.2%	100.0%
84.0	91.2%	99.1%	100.0%	78.0	90.1%	98.8%	100.0%
72.0	89.0%	98.4%	100.0%	66.0	87.3%	97.7%	100.0%
60.0	85.5%	97.0%	99.9%	54.0	82.6%	96.0%	99.9%
48.0	79.6%	95.1%	99.8%	42.0	75.2%	91.7%	99.7%
36.0	70.7%	88.4%	99.6%	30.0	63.2%	82.0%	99.4%
24.0	55.7%	75.6%	99.2%	18.0	38.1%	62.6%	98.2%
12.0	20.4%	49.6%	97.3%	6.0	10.2%	24.8%	48.6%

(2) is from Exhibit WC-Gov-Med-2 (page 2).

(3) is from Exhibit WC-Gov-Med-2 (page 3).

(4) is from Exhibit WC-Gov-Med-2 (page 4).

(6), (7) and (8) are interpolated, based on (2), (3) and (4), respectively.



COOK COUNTY, ILLINOIS
 WORKERS' COMPENSATION - GENERAL GOVERNMENT (MEDICAL)
 Historical Limited Paid Losses (\$000) and Limited Paid Loss Development

Claim Period	Months of Development:																					
	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204	216	228	240		
to 1994/95																						
1995/96																						
1996/97																						
1997/98																						
1998/99																						
1999/00																						
2000/01																						
2001/02																						
2002/03																						
2003/04																						
2004/05																						
2005/06																						
2006/07																						
2007/08																						
2008/09																						
2009/10																						
2010/11																						
2011/12																						
2012/13																						
2013/14																						

II. Limited Paid Loss Development

Claim Period	Months of Development:																					
	12-24	24-36	36-48	48-60	60-72	72-84	84-96	96-108	108-120	120-132	132-144	144-156	156-168	168-180	180-192	192-204	204-216	216-228	228-240	240-Ult		
to 1994/95																						
1995/96																						
1996/97																						
1997/98																						
1998/99																						
1999/00																						
2000/01																						
2001/02																						
2002/03																						
2003/04																						
2004/05																						
2005/06																						
2006/07																						
2007/08																						
2008/09																						
2009/10																						
2010/11																						
2011/12																						
2012/13																						
2013/14																						
Average All	2,613	1,262	1,115	1,089	1,056	1,042	1,012	1,010	1,008	1,005	1,002	1,001	1,004	1,006	1,001	1,002	1,000	1,000	1,000	1,000	1,000	
Wtd 3	2,831	1,316	1,121	1,133	1,080	1,036	1,002	1,009	1,003	1,005	1,001	1,001	1,001	1,008	1,001	1,003	1,000	1,000	1,000	1,000	1,000	
Last 3	2,895	1,316	1,120	1,122	1,070	1,032	1,003	1,015	1,002	1,005	1,001	1,001	1,001	1,006	1,001	1,003	1,000	1,000	1,000	1,000	1,000	
Last 5 x-Hi/Low	2,129	1,293	1,120	1,065	1,063	1,032	1,004	1,010	1,002	1,005	1,001	1,001	1,000	1,001	1,001	1,003	1,000	1,000	1,000	1,000	1,000	
Similar Previous	2,700	1,250	1,125	1,075	1,035	1,025	1,020	1,015	1,010	1,005	1,004	1,004	1,004	1,001	1,001	1,001	1,000	1,000	1,000	1,000	1,030	
Selected	2,725	1,270	1,125	1,075	1,040	1,025	1,020	1,015	1,010	1,005	1,004	1,004	1,004	1,001	1,001	1,001	1,000	1,000	1,000	1,000	1,030	
Cumulative	4,892	1,795	1,414	1,257	1,169	1,124	1,097	1,075	1,059	1,049	1,043	1,039	1,035	1,033	1,032	1,031	1,030	1,030	1,030	1,030	1,030	
Percent	20.4%	55.7%	70.7%	79.6%	85.5%	89.0%	91.2%	93.0%	94.4%	95.4%	95.8%	96.2%	96.6%	96.8%	96.9%	97.0%	97.1%	97.1%	97.1%	97.1%	97.1%	

Amounts are limited (net of excess insurance).

Data was provided by the County.



COOK COUNTY, ILLINOIS
WORKERS' COMPENSATION - GENERAL GOVERNMENT (MEDICAL)

Historical Limited Reported Incurred Losses (\$000) and Limited Reported Incurred Loss Development

Claim Period	Months of Development:																					
	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204	216	228	240		
to 1994/95																						
1995/96																						
1996/97																						
1997/98																						
1998/99																						
1999/00																						
2000/01																						
2001/02																						
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2003/04																						
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2005/06																						
2006/07																						
2007/08																						
2008/09																						
2009/10																						
2010/11																						
2011/12																						
2012/13																						
2013/14																						

II. Limited Reported Incurred Loss Development

Claim Period	Months of Development:																				
	12-24	24-36	36-48	48-60	60-72	72-84	84-96	96-108	108-120	120-132	132-144	144-156	156-168	168-180	180-192	192-204	204-216	216-228	228-240	240-Ult	
to 1994/95																					
1995/96																					
1996/97																					
1997/98																					
1998/99																					
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2004/05																					
2005/06																					
2006/07																					
2007/08																					
2008/09																					
2009/10																					
2010/11																					
2011/12																					
2012/13																					
2013/14																					
Average All	1,535	1,125	1,035	1,041	1,000	996	974	977	939	959	974	974	962	994	1,000	997	1,000	998	1,002	1,000	
Wtd 3	1,689	1,232	1,117	1,118	1,074	1,033	1,002	1,011	986	1,006	996	1,004	1,004	1,003	1,000	995	1,000	1,000	1,000	1,000	
Last 3	1,684	1,231	1,115	1,108	1,065	1,029	1,002	1,019	985	1,006	985	1,003	1,003	1,004	1,000	997	1,000	1,000	1,000	1,000	
Last 5 x-Hi/low	1,576	1,199	1,064	1,029	1,052	1,029	987	1,015	993	1,001	999	1,000	1,000	1,000	1,000	100.0%	100.0%	100.0%	100.0%	100.0%	
Similar Previous	1,500	1,150	1,070	1,015	1,010	1,005	1,002	1,001	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
Selected Cumulative Percent	1,525	1,170	1,075	1,020	1,015	1,007	1,002	1,002	1,001	1,001	1,001	1,001	1,001	1,001	1,000	1,000	1,000	1,000	1,000	1,000	
	2,018	1,323	1,131	1,052	1,031	1,016	1,009	1,007	1,005	1,004	1,003	1,002	1,001	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
	49.6%	75.6%	88.4%	95.1%	97.0%	98.4%	99.1%	99.3%	99.5%	99.6%	99.7%	99.8%	99.9%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	

Amounts are limited (net of excess insurance).

Data was provided by the County.



COOK COUNTY, ILLINOIS
 WORKERS' COMPENSATION - GENERAL GOVERNMENT (MEDICAL)
 Historical Reported Claims and Reported Claim Development

I. Historical Reported Claims	Historical Reported Claims and Reported Claim Development																						
	Claim Period	12	24	Months of Development:			60	72	84	96	108	120	132	144	156	168	180	192	204	216	228	240	
to 1994/05																							
1995/06																							
1996/07																							
1997/08																							
1998/09																							
1999/00																							
2000/01																							
2001/02																							
2002/03																							
2003/04																							
2004/05																							
2005/06																							
2006/07																							
2007/08																							
2008/09																							
2009/10																							
2010/11																							
2011/12																							
2012/13																							
2013/14																							

II. Reported Claim Development

II. Reported Claim Development	Reported Claim Development																						
	Claim Period	12-24	24-36	Months of Development:			48-60	60-72	72-84	84-96	96-108	108-120	120-132	132-144	144-156	156-168	168-180	180-192	192-204	204-216	216-228	228-240	240-Ult
to 1994/05																							
1995/06																							
1996/07																							
1997/08																							
1998/09																							
1999/00																							
2000/01																							
2001/02																							
2002/03																							
2003/04																							
2004/05																							
2005/06																							
2006/07																							
2007/08																							
2008/09																							
2009/10																							
2010/11																							
2011/12																							
2012/13																							
2013/14																							
Average All		1,025	1,018	1,003	1,003	1,002	1,001	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
Wtd 3		1,009	1,010	1,006	1,008	1,005	1,002	1,001	1,001	1,001	1,001	1,001	1,001	1,001	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
Last 3		1,010	1,010	1,006	1,008	1,005	1,003	1,001	1,001	1,001	1,001	1,001	1,001	1,001	1,000	1,000	1,000	1,000	1,001	1,001	1,000	1,000	1,000
Last 5		1,013	1,010	1,002	1,001	1,000	1,000	1,000	1,000	1,000	1,000	1,001	1,001	1,000	1,000	1,000	1,000	1,000	1,001	1,001	1,000	1,000	1,000
x-Follow																							
Similar		1,025	1,004	1,002	1,001	1,001	1,001	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
Selected		1,020	1,004	1,002	1,001	1,001	1,001	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
Cumulative		1,028	1,008	1,004	1,002	1,001	1,001	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
Percent		97.3%	98.2%	98.6%	99.8%	99.8%	99.8%	99.9%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Data was provided by the County.



COOK COUNTY, ILLINOIS
WORKERS' COMPENSATION - GENERAL GOVERNMENT (MEDICAL)

Historical Ratio of Limited Paid Losses and Limited Reported Incurred Losses

Claim Period	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204	216	228	240	
10/1994/05																					
1995/06																					
1996/07																					
1997/08																					
1998/09																					
1999/00																					
2000/01																					
2001/02																					
2002/03																					
2003/04																					
2004/05																					
2005/06																					
2006/07																					
2007/08																					
2008/09																					
2009/10																					
2010/11																					
2011/12																					
2012/13																					
2013/14																					
Average																					
All	43.0%	74.6%	82.6%	86.1%	86.9%	88.2%	87.0%	86.0%	86.1%	89.5%	90.1%	92.8%	94.6%	97.8%	98.9%	99.2%	99.5%	99.7%	99.8%	99.4%	
Last 3	37.7%	79.1%	93.5%	94.6%	96.6%	97.5%	99.1%	99.2%	98.5%	99.6%	98.8%	99.3%	98.2%	98.5%	98.7%	99.5%	99.6%	99.7%	99.8%	99.7%	
Last 5	42.0%	82.9%	92.5%	94.6%	96.5%	97.5%	98.9%	98.6%	98.5%	98.8%	98.2%	99.2%	98.9%	98.5%	98.9%	99.2%	99.6%	99.7%	99.8%	99.7%	
x-high																					
Implicit	41.2%	73.7%	80.0%	83.7%	88.2%	90.4%	92.0%	93.7%	94.9%	95.7%	96.1%	96.4%	96.7%	96.8%	96.9%	97.0%	97.1%	97.1%	97.1%	97.1%	



COOK COUNTY, ILLINOIS
WORKERS' COMPENSATION - GENERAL GOVERNMENT (MEDICAL)

Exhibit WC-Gov-Med-3

Developed Limited Paid Losses

Claim Period (1)	Months of Development 11/30/14 (2)	Limited Paid Losses 11/30/14 (3)	Percent Losses Paid (4)	Developed Limited Paid Losses (3)/(4) (5)
to 1994/95	240.0	\$19,827,437	97.1%	\$20,422,261
1995/96	228.0	2,546,083	97.1%	2,622,466
1996/97	216.0	1,718,758	97.1%	1,770,321
1997/98	204.0	1,759,978	97.1%	1,812,777
1998/99	192.0	2,504,395	97.0%	2,582,106
1999/00	180.0	2,879,526	96.9%	2,971,846
2000/01	168.0	4,761,985	96.8%	4,919,574
2001/02	156.0	4,541,970	96.6%	4,701,662
2002/03	144.0	4,546,835	96.2%	4,725,525
2003/04	132.0	4,145,576	95.8%	4,325,731
2004/05	120.0	12,140,395	95.4%	12,731,321
2005/06	108.0	4,298,352	94.4%	4,552,648
2006/07	96.0	5,287,329	93.0%	5,684,135
2007/08	84.0	10,180,064	91.2%	11,162,944
2008/09	72.0	5,858,613	89.0%	6,584,866
2009/10	60.0	6,071,323	85.5%	7,096,901
2010/11	48.0	4,507,448	79.6%	5,664,018
2011/12	36.0	4,280,488	70.7%	6,051,175
2012/13	24.0	3,263,028	55.7%	5,858,291
2013/14	12.0	1,529,698	20.4%	7,483,806

(3) is from Exhibit WC-Gov-Med-1.

(4) is from Exhibit WC-Gov-Med-2.



COOK COUNTY, ILLINOIS
WORKERS' COMPENSATION - GENERAL GOVERNMENT (MEDICAL)

Exhibit WC-Gov-Med-4

Developed Limited Reported Incurred Losses

Claim Period (1)	Months of Development 11/30/14 (2)	Limited Reported Incurred Losses 11/30/14 (3)	Percent Losses Reported (4)	Developed Limited Reported Incurred Losses (3)/(4) (5)
to 1994/95	240.0	\$19,952,157	100.0%	\$19,952,157
1995/96	228.0	2,547,123	100.0%	2,547,123
1996/97	216.0	1,718,758	100.0%	1,718,758
1997/98	204.0	1,778,602	100.0%	1,778,602
1998/99	192.0	2,504,395	100.0%	2,504,395
1999/00	180.0	2,944,549	100.0%	2,944,549
2000/01	168.0	4,872,249	100.0%	4,872,249
2001/02	156.0	4,545,874	99.9%	4,550,420
2002/03	144.0	4,546,835	99.8%	4,555,933
2003/04	132.0	4,200,132	99.7%	4,212,745
2004/05	120.0	12,165,796	99.6%	12,214,532
2005/06	108.0	4,357,347	99.5%	4,379,178
2006/07	96.0	5,353,339	99.3%	5,390,919
2007/08	84.0	10,291,129	99.1%	10,384,100
2008/09	72.0	6,115,122	98.4%	6,213,559
2009/10	60.0	6,343,506	97.0%	6,542,304
2010/11	48.0	4,739,223	95.1%	4,985,499
2011/12	36.0	4,743,669	88.4%	5,364,440
2012/13	24.0	4,956,862	75.6%	6,558,472
2013/14	12.0	4,820,330	49.6%	9,726,183

(3) is from Exhibit WC-Gov-Med-1.

(4) is from Exhibit WC-Gov-Med-2.



COOK COUNTY, ILLINOIS
WORKERS' COMPENSATION - GENERAL GOVERNMENT (MEDICAL)

Exhibit WC-Gov-Med-5

Developed Limited Case Reserves

Claim Period (1)	Months of Development 11/30/14 (2)	Percent Losses Paid (3)	Percent Losses Reported (4)	Percent Losses Reserved 11/30/14 [(4)-(3)]/ [100.0%-(3)] (5)	Limited Paid Losses 11/30/14 (6)	Limited Case Reserves 11/30/14 (7)	Developed Limited Case Reserves (6)+(7)/(5) (8)
to 1994/95	240.0	97.1%	100.0%	100.0%	\$19,827,437	\$124,720	\$19,952,157
1995/96	228.0	97.1%	100.0%	100.0%	2,546,083	1,040	2,547,123
1996/97	216.0	97.1%	100.0%	100.0%	1,718,758	0	1,718,758
1997/98	204.0	97.1%	100.0%	100.0%	1,759,978	18,624	1,778,602
1998/99	192.0	97.0%	100.0%	100.0%	2,504,395	0	2,504,395
1999/00	180.0	96.9%	100.0%	100.0%	2,879,526	65,024	2,944,549
2000/01	168.0	96.8%	100.0%	100.0%	4,761,985	110,264	4,872,249
2001/02	156.0	96.6%	99.9%	97.1%	4,541,970	3,904	4,545,992
2002/03	144.0	96.2%	99.8%	94.7%	4,546,835	0	4,546,835
2003/04	132.0	95.8%	99.7%	92.8%	4,145,576	54,556	4,204,358
2004/05	120.0	95.4%	99.6%	91.4%	12,140,395	25,401	12,168,184
2005/06	108.0	94.4%	99.5%	91.1%	4,298,352	58,995	4,363,129
2006/07	96.0	93.0%	99.3%	90.0%	5,287,329	66,010	5,360,662
2007/08	84.0	91.2%	99.1%	89.8%	10,180,064	111,066	10,303,701
2008/09	72.0	89.0%	98.4%	85.6%	5,858,613	256,509	6,158,147
2009/10	60.0	85.5%	97.0%	79.0%	6,071,323	272,183	6,415,977
2010/11	48.0	79.6%	95.1%	75.8%	4,507,448	231,775	4,813,186
2011/12	36.0	70.7%	88.4%	60.5%	4,280,488	463,182	5,046,662
2012/13	24.0	55.7%	75.6%	44.9%	3,263,028	1,693,834	7,037,536
2013/14	12.0	20.4%	49.6%	36.6%	1,529,698	3,290,631	10,520,090

(3) and (4) are from Exhibit WC-Gov-Med-2.

(6) and (7) are from Exhibit WC-Gov-Med-1.



COOK COUNTY, ILLINOIS
WORKERS' COMPENSATION - GENERAL GOVERNMENT (MEDICAL)

Exhibit WC-Gov-Med-6

Preliminary Projected Ultimate Limited Losses to 2013/14

Claim Period (1)	Developed Limited Paid Losses (2)	Developed Limited Reported Incurred Losses (3)	Developed Limited Case Reserves (4)	Preliminary Projected Ultimate Limited Losses (5)
to 1994/95	\$20,422,261	\$19,952,157	\$19,952,157	\$19,964,629
1995/96	2,622,466	2,547,123	2,547,123	2,547,227
1996/97	1,770,321	1,718,758	1,718,758	1,718,758
1997/98	1,812,777	1,778,602	1,778,602	1,780,465
1998/99	2,582,106	2,504,395	2,504,395	2,504,395
1999/00	2,971,846	2,944,549	2,944,549	2,951,052
2000/01	4,919,574	4,872,249	4,872,249	4,883,276
2001/02	4,701,662	4,550,420	4,545,992	4,546,264
2002/03	4,725,525	4,555,933	4,546,835	4,546,835
2003/04	4,325,731	4,212,745	4,204,358	4,205,588
2004/05	12,731,321	12,214,532	12,168,184	12,168,336
2005/06	4,552,648	4,379,178	4,363,129	4,363,247
2006/07	5,684,135	5,390,919	5,360,662	5,363,687
2007/08	11,162,944	10,384,100	10,303,701	10,319,781
2008/09	6,584,866	6,213,559	6,158,147	6,174,771
2009/10	7,096,901	6,542,304	6,415,977	6,466,508
2010/11	5,664,018	4,985,499	4,813,186	4,967,195
2011/12	6,051,175	5,364,440	5,046,662	5,374,676
2012/13	5,858,291	6,558,472	7,037,536	6,610,062
2013/14	7,483,806	9,726,183	10,520,090	9,595,270

(2) is from Exhibit WC-Gov-Med-3.

(3) is from Exhibit WC-Gov-Med-4.

(4) is from Exhibit WC-Gov-Med-5.

(5) is based on (2) to (4) and actuarial judgment.



COOK COUNTY, ILLINOIS
WORKERS' COMPENSATION - GENERAL GOVERNMENT (MEDICAL)

Exhibit WC-Gov-Med-7

Bornhuetter - Ferguson Analysis

I. A-priori Loss Rate

Claim Period (1)	Preliminary Projected Ultimate Limited Losses (2)	Payroll (000) (3)	Limited Loss Rate per \$100 of Payroll (2)/(3)/10 (4)	Loss Rate Trend (2014/15 = 1.000) (5)	Trended Limited Loss Rate per \$100 of Payroll (4)X(5) (6)	Projected A-priori Loss Rate per \$100 of Payroll (7)/(5) (8)
2004/05	\$12,168,336	\$832,363	\$1.46	1.450	\$2.12	\$0.66
2005/06	4,363,247	826,479	0.53	1.400	0.74	0.68
2006/07	5,363,687	859,906	0.62	1.316	0.82	0.72
2007/08	10,319,781	914,260	1.13	1.243	1.40	0.77
2008/09	6,174,771	942,707	0.66	1.118	0.73	0.85
2009/10	6,466,508	998,250	0.65	1.072	0.69	0.89
2010/11	4,967,195	928,082	0.54	1.056	0.57	0.90
2011/12	5,374,676	899,082	0.60	1.130	0.68	0.84
2012/13	6,610,062	949,338	0.70	1.082	0.75	0.88
2013/14	9,595,270	988,081	0.97	1.040	1.01	0.91

(7) Projected 2014/15 a-priori loss rate per \$100 of Payroll \$0.95

II. Bornhuetter - Ferguson Analysis Based on Limited Paid Losses

Claim Period (1)	Limited Paid Losses 11/30/14 (2)	Percent Losses Paid (3)	Projected A-priori Loss Rate per \$100 of Payroll (4)	Payroll (000) (5)	B-F Unpaid Losses [100.0%-(3)] X(4)X(5)X10 (6)	B-F Ultimate Limited Paid Losses (2)+(6) (7)
2009/10	\$6,071,323	85.5%	\$0.89	\$998,250	\$1,280,764	\$7,352,087
2010/11	4,507,448	79.6%	0.90	928,082	1,707,250	6,214,698
2011/12	4,280,488	70.7%	0.84	899,082	2,215,421	6,495,909
2012/13	3,263,028	55.7%	0.88	949,338	3,696,537	6,959,565
2013/14	1,529,698	20.4%	0.91	988,081	7,191,374	8,721,073

III. Bornhuetter - Ferguson Analysis Based on Limited Reported Incurred Losses

Claim Period (1)	Limited Reported Incurred Losses 11/30/14 (2)	Percent Losses Reported (3)	Projected A-priori Loss Rate per \$100 of Payroll (4)	Payroll (000) (5)	B-F Unreported Losses [100.0%-(3)] X(4)X(5)X10 (6)	B-F Ultimate Limited Reported Losses (2)+(6) (7)
2009/10	\$6,343,506	97.0%	\$0.89	\$998,250	\$269,308	\$6,612,814
2010/11	4,739,223	95.1%	0.90	928,082	413,013	5,152,236
2011/12	4,743,669	88.4%	0.84	899,082	876,115	5,619,784
2012/13	4,956,862	75.6%	0.88	949,338	2,037,693	6,994,555
2013/14	4,820,330	49.6%	0.91	988,081	4,559,213	9,379,543

Section I, (2) is from Exhibit WC-Gov-Med-6.

Section I, (3), Section II, (5) and Section III, (5) are from Exhibit WC-Gov-Med-10.

Section I, (5) is from Exhibit WC-Gov-Med-15.

Section I, (7) is based on Section I, (6) and actuarial judgment.

Sections II and III, (2) are from Exhibit WC-Gov-Med-1.

Sections II and III, (3) are from Exhibit WC-Gov-Med-2.

Sections II and III, (4) are from Section I, (8).



COOK COUNTY, ILLINOIS
WORKERS' COMPENSATION - GENERAL GOVERNMENT (MEDICAL)

Exhibit WC-Gov-Med-8

Frequency Times Severity Analysis

I. Projected Ultimate Claims

Claim Period (1)	Months of Development 11/30/14 (2)	Reported Claims 11/30/14 (3)	Percent Claims Reported (4)	Projected Ultimate Claims (3)/(4) (5)	Payroll (000) (6)	Frequency (per \$1M of Payroll) (5)/(6)X1,000 (7)
2004/05	120.0	1,318	100.0%	1,318	\$832,363	1.58
2005/06	108.0	1,159	100.0%	1,159	826,479	1.40
2006/07	96.0	902	100.0%	902	859,906	1.05
2007/08	84.0	776	100.0%	776	914,260	0.85
2008/09	72.0	766	100.0%	766	942,707	0.81
2009/10	60.0	862	99.9%	863	998,250	0.86
2010/11	48.0	788	99.8%	790	928,082	0.85
2011/12	36.0	781	99.6%	784	899,082	0.87
2012/13	24.0	715	99.2%	721	949,338	0.76
2013/14	12.0	730	97.3%	751	988,081	0.76

II. Frequency Times Severity

Claim Period (1)	Preliminary Projected Ultimate Limited Losses (2)	Projected Ultimate Claims (3)	Average Severity (2)/(3) (4)	Severity Trend (2014/15 = 1.000) (5)	Trended Average Claim Severity (4)X(5) (6)	De-Trended Projected 2014/15 Average Claim Severity (7)/(5) (8)	Frequency Times Severity (3)X(8) (9)
2004/05	\$12,168,336	1,318	\$9,232	1.949	\$17,996	\$5,917	\$7,798,241
2005/06	4,363,247	1,159	3,765	1.827	6,879	6,312	7,315,144
2006/07	5,363,687	902	5,946	1.668	9,916	6,916	6,238,299
2007/08	10,319,781	776	13,299	1.528	20,324	7,547	5,856,306
2008/09	6,174,771	766	8,061	1.334	10,757	8,642	6,620,085
2009/10	6,466,508	863	7,493	1.242	9,308	9,284	8,012,129
2010/11	4,967,195	790	6,288	1.189	7,474	9,703	7,665,402
2011/12	5,374,676	784	6,855	1.235	8,464	9,342	7,324,076
2012/13	6,610,062	721	9,168	1.148	10,528	10,043	7,241,324
2013/14	9,595,270	751	12,777	1.071	13,686	10,767	8,085,771
(7) Projected 2014/15 average claim severity					\$11,533		

Section I, (3) is from Exhibit WC-Gov-Med-1.

Section I, (4) is from Exhibit WC-Gov-Med-2.

Section I, (6) is from Exhibit WC-Gov-Med-10.

Section II, (2) is from Exhibit WC-Gov-Med-6.

Section II, (3) is from Section I, (5).

Section II, (5) is from Exhibit WC-Gov-Med-15.

Section II, (7) is based on (6) and actuarial judgment.



COOK COUNTY, ILLINOIS
WORKERS' COMPENSATION - GENERAL GOVERNMENT (MEDICAL)

Exhibit WC-Gov-Med-9

Projected Ultimate Limited Losses to 2013/14

Claim Period (1)	Developed Limited Paid Losses (2)	Developed Limited Reported Incurred Losses (3)	Developed Limited Case Reserves (4)	B-F Ultimate Limited Paid Losses (5)	B-F Ultimate Limited Reported Losses (6)	Frequency Times Severity (7)	Prior Projected Ultimate Limited Losses (8)	Projected Ultimate Limited Losses (9)
to 1994/95	\$20,422,261	\$19,952,157	\$19,952,157				\$20,740,000	\$19,965,000
1995/96	2,622,466	2,547,123	2,547,123				2,650,000	2,547,227
1996/97	1,770,321	1,718,758	1,718,758				1,730,917	1,718,758
1997/98	1,812,777	1,778,602	1,778,602				1,802,000	1,780,465
1998/99	2,582,106	2,504,395	2,504,395				2,834,000	2,504,395
1999/00	2,971,846	2,944,549	2,944,549				3,068,000	2,951,052
2000/01	4,919,574	4,872,249	4,872,249				4,921,000	4,883,276
2001/02	4,701,662	4,550,420	4,545,992				4,732,000	4,546,264
2002/03	4,725,525	4,555,933	4,546,835				4,645,548	4,546,835
2003/04	4,325,731	4,212,745	4,204,358				4,328,000	4,206,000
2004/05	12,731,321	12,214,532	12,168,184				12,876,000	12,168,336
2005/06	4,552,648	4,379,178	4,363,129				4,526,000	4,363,247
2006/07	5,684,135	5,390,919	5,360,662				5,780,000	5,364,000
2007/08	11,162,944	10,384,100	10,303,701				10,934,000	10,320,000
2008/09	6,584,866	6,213,559	6,158,147				6,503,000	6,175,000
2009/10	7,096,901	6,542,304	6,415,977	7,352,087	6,612,814	8,012,129	7,406,000	6,467,000
2010/11	5,664,018	4,985,499	4,813,186	6,214,698	5,152,236	7,665,402	6,500,000	4,967,000
2011/12	6,051,175	5,364,440	5,046,662	6,495,909	5,619,784	7,324,076	6,600,000	5,375,000
2012/13	5,858,291	6,558,472	7,037,536	6,959,565	6,994,555	7,241,324	7,600,000	6,750,000
2013/14	7,483,806	9,726,183	10,520,090	8,721,073	9,379,543	8,085,771	8,686,000	9,000,000
Total	\$123,724,374 #	\$121,396,119 #	\$121,802,294 #	\$35,743,332 #	\$33,758,932 #	\$38,328,702 #	\$128,862,465 #	\$120,598,854
Total 5 Years	32,154,191 0	33,176,898 0	33,833,451 0	35,743,332 0	33,758,932 0	38,328,702 0	36,792,000 #	32,559,000

(2) is from Exhibit WC-Gov-Med-3.

(3) is from Exhibit WC-Gov-Med-4.

(4) is from Exhibit WC-Gov-Med-5.

(5) and (6) are from Exhibit WC-Gov-Med-7.

(7) is from Exhibit WC-Gov-Med-8.

(8) is from prior actuarial study and includes Cermak.

(9) is based on (2) to (8) and actuarial judgment.



COOK COUNTY, ILLINOIS
WORKERS' COMPENSATION - GENERAL GOVERNMENT (MEDICAL)

Exhibit WC-Gov-Med-10

Projected Ultimate Limited Losses for 2014/15 and Subsequent

Claim Period (1)	Projected Ultimate Limited Losses (2)	Payroll (000) (3)	Limited Loss Rate per \$100 of Payroll (2)/(3)/10 (4)	Loss Rate Trend (2014/15 = 1.000) (5)	Trended Limited Loss Rate per \$100 of Payroll (4)X(5) (6)
2004/05	\$12,168,336	\$832,363	\$1.46	1.450	\$2.12
2005/06	4,363,247	826,479	0.53	1.400	0.74
2006/07	5,364,000	859,906	0.62	1.316	0.82
2007/08	10,320,000	914,260	1.13	1.243	1.40
2008/09	6,175,000	942,707	0.66	1.118	0.73
2009/10	6,467,000	998,250	0.65	1.072	0.69
2010/11	4,967,000	928,082	0.54	1.056	0.57
2011/12	5,375,000	899,082	0.60	1.130	0.68
2012/13	6,750,000	949,338	0.71	1.082	0.77
2013/14	9,000,000	988,081	0.91	1.040	0.95
Total	\$70,949,583	\$9,138,549	\$0.78		\$0.95

Claim Period (1)	Projected Limited Loss Rate per \$100 of Payroll (7)	Projected Payroll (000) (8)	Projected Ultimate Limited Losses (7)X(8)X10 (9)	Present Value Factor (10)	Present Value of Projected Limited Loss Rate per \$100 of Payroll (7)X(10) (11)	Present Value of Projected Ultimate Limited Losses (8)X(11)X10 (12)
2014/15	\$0.95	\$998,567	\$9,454,000	0.91	\$0.86	\$8,586,000
2015/16	0.98	998,567	9,832,000	0.91	0.89	8,929,000
2016/17	1.02	998,567	10,225,000	0.91	0.93	9,286,000

(2) is from Exhibit WC-Gov-Med-9.

(3) was provided by the County.

(5) is from Exhibit WC-Gov-Med-15.

(7) for 2014/15 is based on (6) and actuarial judgment.

(7) for 2015/16 and subsequent are based on 2014/15 plus the trend in Exhibit WC-Gov-Med-15.

(8) to 2014/15 was provided by the County. Other claim periods are based on a 0% trend.

(10) is based on a 3.4% interest rate and the payout pattern in Exhibit WC-Gov-Med-2.



COOK COUNTY, ILLINOIS
WORKERS' COMPENSATION - GENERAL GOVERNMENT (MEDICAL)

Exhibit WC-Gov-Med-11

Estimated Outstanding Losses as of November 30, 2014

Claim Period (1)	Limited Paid Losses 11/30/14 (2)	Limited Case Reserves 11/30/14 (3)	Limited Reported Incurred Losses 11/30/14 (4)	Projected Ultimate Limited Losses (5)	Estimated IBNR 11/30/14 (5)-(4) (6)	Estimated Outstanding Losses 11/30/14 (3)+(6) (7)	Present Value Factor (8)	Present Value of Estimated Outstanding Losses 11/30/14 (7)X(8) (9)
to 1994/95	\$19,827,437	\$124,720	\$19,952,157	\$19,965,000	\$12,843	\$137,563	0.92	\$126,680
1995/96	2,546,083	1,040	2,547,123	2,547,227	104	1,144	0.89	1,019
1996/97	1,718,758	0	1,718,758	1,718,758	0	0	0.86	0
1997/98	1,759,978	18,624	1,778,602	1,780,465	1,862	20,486	0.83	17,065
1998/99	2,504,395	0	2,504,395	2,504,395	0	0	0.81	0
1999/00	2,879,526	65,024	2,944,549	2,951,052	6,502	71,526	0.79	56,590
2000/01	4,761,985	110,264	4,872,249	4,883,276	11,026	121,290	0.77	93,628
2001/02	4,541,970	3,904	4,545,874	4,546,264	390	4,294	0.76	3,265
2002/03	4,546,835	0	4,546,835	4,546,835	0	0	0.76	0
2003/04	4,145,576	54,556	4,200,132	4,206,000	5,868	60,424	0.76	45,884
2004/05	12,140,395	25,401	12,165,796	12,168,336	2,540	27,941	0.76	21,247
2005/06	4,298,352	58,995	4,357,347	4,363,247	5,900	64,895	0.78	50,487
2006/07	5,287,329	66,010	5,353,339	5,364,000	10,661	76,671	0.80	61,269
2007/08	10,180,064	111,066	10,291,129	10,320,000	28,871	139,937	0.82	114,311
2008/09	5,858,613	256,509	6,115,122	6,175,000	59,878	316,387	0.83	262,384
2009/10	6,071,323	272,183	6,343,506	6,467,000	123,494	395,677	0.85	334,441
2010/11	4,507,448	231,775	4,739,223	4,967,000	227,777	459,552	0.87	398,044
2011/12	4,280,488	463,182	4,743,669	5,375,000	631,331	1,094,513	0.88	965,186
2012/13	3,263,028	1,693,834	4,956,862	6,750,000	1,793,138	3,486,972	0.90	3,128,698
2013/14	1,529,698	3,290,631	4,820,330	9,000,000	4,179,670	7,470,301	0.92	6,865,701
Total	\$106,649,280	\$6,847,719	\$113,496,999	\$120,598,854	\$7,101,855	\$13,949,573		\$12,545,899

(2), (3) and (4) are net of specific self insured retention and aggregate retention.

(5) is from Exhibit WC-Gov-Med-9.

(8) is based on a 3.4% interest rate and the payout pattern in Exhibit WC-Gov-Med-2.



COOK COUNTY, ILLINOIS
WORKERS' COMPENSATION - GENERAL GOVERNMENT (MEDICAL)

Exhibit WC-Gov-Med-12

Projected Losses Paid December 1, 2014 to November 30, 2015

Claim Period (1)	Months of Development 11/30/14 (2)	Percent Losses Paid (3)	Months of Development 11/30/15 (4)	Percent Losses Paid (5)	Percent Outstanding Losses Paid 12/1/14 to 11/30/15 [(5)-(3)]/ [100.0%-(3)] (6)	Estimated Outstanding Losses 11/30/14 (7)	Projected Losses Paid (6)X(7) (8)	Estimated Outstanding Losses 11/30/15 (7)-(8) (9)	Present Value Factor (10)	Present Value of Estimated Outstanding Losses 11/30/15 (9)X(10) (11)
to 1994/95	240.0	97.1%	252.0	98.0%	30.0%	\$137,563	\$41,269	\$96,294	0.92	\$88,911
1995/96	228.0	97.1%	240.0	97.1%	100.0%	1,144	1,144	0	0.92	0
1996/97	216.0	97.1%	228.0	97.1%	100.0%	0	0	0	0.89	0
1997/98	204.0	97.1%	216.0	97.1%	100.0%	20,486	20,486	0	0.86	0
1998/99	192.0	97.0%	204.0	97.1%	3.2%	0	0	0	0.83	0
1999/00	180.0	96.9%	192.0	97.0%	3.1%	71,526	2,231	69,295	0.81	56,233
2000/01	168.0	96.8%	180.0	96.9%	3.0%	121,290	3,665	117,625	0.79	93,063
2001/02	156.0	96.6%	168.0	96.8%	5.7%	4,294	244	4,050	0.77	3,126
2002/03	144.0	96.2%	156.0	96.6%	10.2%	0	0	0	0.76	0
2003/04	132.0	95.8%	144.0	96.2%	9.2%	60,424	5,562	54,862	0.76	41,759
2004/05	120.0	95.4%	132.0	95.8%	10.3%	27,941	2,870	25,071	0.76	19,038
2005/06	108.0	94.4%	120.0	95.4%	16.9%	64,895	10,969	53,926	0.76	41,007
2006/07	96.0	93.0%	108.0	94.4%	20.0%	76,671	15,324	61,347	0.78	47,726
2007/08	84.0	91.2%	96.0	93.0%	20.7%	139,937	28,988	110,949	0.80	88,661
2008/09	72.0	89.0%	84.0	91.2%	20.2%	316,387	63,807	252,580	0.82	206,326
2009/10	60.0	85.5%	72.0	89.0%	23.7%	395,677	93,695	301,982	0.83	250,437
2010/11	48.0	79.6%	60.0	85.5%	29.2%	459,552	134,324	325,228	0.85	274,895
2011/12	36.0	70.7%	48.0	79.6%	30.2%	1,094,513	330,737	763,776	0.87	661,549
2012/13	24.0	55.7%	36.0	70.7%	33.9%	3,486,972	1,183,727	2,303,245	0.88	2,031,094
2013/14	12.0	20.4%	24.0	55.7%	44.3%	7,470,301	3,310,674	4,159,627	0.90	3,732,240
2014/15	0.0	0.0%	12.0	20.4%	20.4%	9,454,000	1,932,408	7,521,592	0.92	6,912,841
Total						\$23,403,573	\$7,182,124	\$16,221,449		\$14,548,906

(3) and (5) are from Exhibit WC-Gov-Med-2.

(7) to 2013/14 is from Exhibit WC-Gov-Med-11. The amount for 2014/15 is from Exhibit WC-Gov-Med-10.

(10) is based on a 3.4% interest rate and the payout pattern in Exhibit WC-Gov-Med-2.



COOK COUNTY, ILLINOIS
WORKERS' COMPENSATION - GENERAL GOVERNMENT (MEDICAL)

Exhibit WC-Gov-Med-13

Projected Losses Paid December 1, 2015 to November 30, 2016

Claim Period (1)	Months of Development 11/30/15 (2)	Percent Losses Paid (3)	Months of Development 11/30/16 (4)	Percent Losses Paid (5)	Percent Outstanding Losses Paid 12/1/15 to 11/30/16 [(5)-(3)]/ [100.0%-(3)] (6)	Estimated Outstanding Losses 11/30/15 (7)	Projected Losses Paid (6)X(7) (8)	Estimated Outstanding Losses 11/30/16 (7)-(8) (9)	Present Value Factor (10)	Present Value of Estimated Outstanding Losses 11/30/16 (9)X(10) (11)
to 1994/95	252.0	98.0%	264.0	98.6%	30.0%	\$96,294	\$28,888	\$67,406	0.93	\$62,449
1995/96	240.0	97.1%	252.0	98.0%	30.0%	0	0	0	0.92	0
1996/97	228.0	97.1%	240.0	97.1%	100.0%	0	0	0	0.92	0
1997/98	216.0	97.1%	228.0	97.1%	100.0%	0	0	0	0.89	0
1998/99	204.0	97.1%	216.0	97.1%	100.0%	0	0	0	0.86	0
1999/00	192.0	97.0%	204.0	97.1%	3.2%	69,295	2,233	67,062	0.83	55,863
2000/01	180.0	96.9%	192.0	97.0%	3.1%	117,625	3,669	113,956	0.81	92,476
2001/02	168.0	96.8%	180.0	96.9%	3.0%	4,050	122	3,928	0.79	3,108
2002/03	156.0	96.6%	168.0	96.8%	5.7%	0	0	0	0.77	0
2003/04	144.0	96.2%	156.0	96.6%	10.2%	54,862	5,584	49,278	0.76	37,469
2004/05	132.0	95.8%	144.0	96.2%	9.2%	25,071	2,308	22,763	0.76	17,326
2005/06	120.0	95.4%	132.0	95.8%	10.3%	53,926	5,539	48,387	0.76	36,743
2006/07	108.0	94.4%	120.0	95.4%	16.9%	61,347	10,369	50,978	0.76	38,765
2007/08	96.0	93.0%	108.0	94.4%	20.0%	110,949	22,175	88,774	0.78	69,064
2008/09	84.0	91.2%	96.0	93.0%	20.7%	252,580	52,321	200,259	0.80	160,031
2009/10	72.0	89.0%	84.0	91.2%	20.2%	301,982	60,902	241,080	0.82	196,932
2010/11	60.0	85.5%	72.0	89.0%	23.7%	325,228	77,013	248,215	0.83	205,848
2011/12	48.0	79.6%	60.0	85.5%	29.2%	763,776	223,247	540,529	0.85	456,876
2012/13	36.0	70.7%	48.0	79.6%	30.2%	2,303,245	695,988	1,607,257	0.87	1,392,135
2013/14	24.0	55.7%	36.0	70.7%	33.9%	4,159,627	1,412,074	2,747,553	0.88	2,422,903
2014/15	12.0	20.4%	24.0	55.7%	44.3%	7,521,592	3,333,405	4,188,187	0.90	3,757,865
2015/16	0.0	0.0%	12.0	20.4%	20.4%	9,832,000	2,009,672	7,822,328	0.92	7,189,237
Total						\$26,053,449	\$7,945,509	\$18,107,940		\$16,195,090

(3) and (5) are from Exhibit WC-Gov-Med-2.

(7) to 2014/15 is from Exhibit WC-Gov-Med-12, (9). The amount for 2015/16 is from Exhibit WC-Gov-Med-10.

(10) is based on a 3.4% interest rate and the payout pattern in Exhibit WC-Gov-Med-2.



COOK COUNTY, ILLINOIS
WORKERS' COMPENSATION - GENERAL GOVERNMENT (MEDICAL)

Exhibit WC-Gov-Med-14

Projected Losses Paid December 1, 2016 to November 30, 2017

Claim Period (1)	Months of Development 11/30/16 (2)	Percent Losses Paid (3)	Months of Development 11/30/17 (4)	Percent Losses Paid (5)	Percent Outstanding Losses Paid 12/1/16 to 11/30/17 [(5)-(3)]/ [100.0%-(3)] (6)	Estimated Outstanding Losses 11/30/16 (7)	Projected Losses Paid (6)X(7) (8)	Estimated Outstanding Losses 11/30/17 (7)-(8) (9)	Present Value Factor (10)	Present Value of Estimated Outstanding Losses 11/30/17 (9)X(10) (11)
to 1994/95	264.0	98.6%	276.0	99.0%	30.0%	\$67,406	\$20,222	\$47,184	0.93	\$43,902
1995/96	252.0	98.0%	264.0	98.6%	30.0%	0	0	0	0.93	0
1996/97	240.0	97.1%	252.0	98.0%	30.0%	0	0	0	0.92	0
1997/98	228.0	97.1%	240.0	97.1%	100.0%	0	0	0	0.92	0
1998/99	216.0	97.1%	228.0	97.1%	100.0%	0	0	0	0.89	0
1999/00	204.0	97.1%	216.0	97.1%	100.0%	67,062	67,062	0	0.86	0
2000/01	192.0	97.0%	204.0	97.1%	3.2%	113,956	3,672	110,284	0.83	91,867
2001/02	180.0	96.9%	192.0	97.0%	3.1%	3,928	123	3,805	0.81	3,088
2002/03	168.0	96.8%	180.0	96.9%	3.0%	0	0	0	0.79	0
2003/04	156.0	96.6%	168.0	96.8%	5.7%	49,278	2,803	46,475	0.77	35,876
2004/05	144.0	96.2%	156.0	96.6%	10.2%	22,763	2,317	20,446	0.76	15,546
2005/06	132.0	95.8%	144.0	96.2%	9.2%	48,387	4,454	43,933	0.76	33,440
2006/07	120.0	95.4%	132.0	95.8%	10.3%	50,978	5,237	45,741	0.76	34,734
2007/08	108.0	94.4%	120.0	95.4%	16.9%	88,774	15,005	73,769	0.76	56,096
2008/09	96.0	93.0%	108.0	94.4%	20.0%	200,259	40,026	160,233	0.78	124,657
2009/10	84.0	91.2%	96.0	93.0%	20.7%	241,080	49,939	191,141	0.80	152,744
2010/11	72.0	89.0%	84.0	91.2%	20.2%	248,215	50,058	198,157	0.82	161,869
2011/12	60.0	85.5%	72.0	89.0%	23.7%	540,529	127,995	412,534	0.83	342,120
2012/13	48.0	79.6%	60.0	85.5%	29.2%	1,607,257	469,792	1,137,465	0.85	961,429
2013/14	36.0	70.7%	48.0	79.6%	30.2%	2,747,553	830,247	1,917,306	0.87	1,660,685
2014/15	24.0	55.7%	36.0	70.7%	33.9%	4,188,187	1,421,770	2,766,417	0.88	2,439,538
2015/16	12.0	20.4%	24.0	55.7%	44.3%	7,822,328	3,466,684	4,355,644	0.90	3,908,117
2016/17	0.0	0.0%	12.0	20.4%	20.4%	10,225,000	2,090,002	8,134,998	0.92	7,476,601
Total						\$28,332,940	\$8,667,408	\$19,665,532		\$17,542,309

(3) and (5) are from Exhibit WC-Gov-Med-2.

(7) to 2015/16 is from Exhibit WC-Gov-Med-13, (9). The amount for 2016/17 is from Exhibit WC-Gov-Med-10.

(10) is based on a 3.4% interest rate and the payout pattern in Exhibit WC-Gov-Med-2.



COOK COUNTY, ILLINOIS
WORKERS' COMPENSATION - GENERAL GOVERNMENT (MEDICAL)

Loss Rate and Severity Trend

I. Benefit Level Changes

Effective Date (1)	Benefit Level Change (2)	Cumulative Benefit Level Change (3)
02/01/06	0.995	0.995
01/01/07	1.026	1.021
01/01/08	1.018	1.039
01/01/09	1.029	1.069
02/01/09	1.048	1.121
01/01/10	0.992	1.112
01/01/11	1.015	1.128
09/01/11	0.853	0.963
01/01/12	1.015	0.977
11/20/12	0.994	0.971
01/01/13	1.009	0.980

II. Loss Rate and Severity Trend

Claim Period (1)	Benefit Trend (2014/15 = 1.000) (2)	Residual Trend (2014/15 = 1.000) (3)	Retention Index (2014/15 = 1.000) (4)	Loss Rate Trend (2014/15 = 1.000) (2)X(3)X(4) (5)	Wage Trend (2014/15 = 1.000) (6)	Severity Trend (2014/15 = 1.000) (5)X(6) (7)
2004/05	0.980	1.480	1.000	1.450	1.344	1.949
2005/06	0.984	1.423	1.000	1.400	1.305	1.827
2006/07	0.962	1.369	1.000	1.316	1.267	1.668
2007/08	0.944	1.316	1.000	1.243	1.230	1.528
2008/09	0.883	1.265	1.000	1.118	1.194	1.334
2009/10	0.881	1.217	1.000	1.072	1.159	1.242
2010/11	0.903	1.170	1.000	1.056	1.126	1.189
2011/12	1.004	1.125	1.000	1.130	1.093	1.235
2012/13	1.001	1.082	1.000	1.082	1.061	1.148
2013/14	1.000	1.040	1.000	1.040	1.030	1.071
2014/15	1.000	1.000	1.000	1.000	1.000	1.000
2015/16	1.000	0.962	1.000	0.962	0.971	0.934

Section I, (2) and (3) reflect NCCI data.

Section II, (2) is based on Section I, (2).

Section II, (3) is based on 4% trend per actuarial judgment.

Section II, (4) is based on industry statistics and actuarial judgment.

Section II, (6) is based on 3% trend.



COOK COUNTY, ILLINOIS
WORKERS' COMPENSATION - GENERAL GOVERNMENT (MEDICAL)

Exhibit WC-Gov-Med-16

List of Large Claims
Reported Incurred Losses Greater Than \$1,000,000

Claim Number (1)	Date of Loss (2)	Claim Period (3)	Specific Self-Insured Retention (4)	Unlimited Paid Losses 11/30/14 (5)	Unlimited Case Reserves 11/30/14 (6)	Unlimited Reported Incurred Losses 11/30/14 (7)
20050352	2/5/2005	2004/05	Unlimited	\$6,217,628	\$0	\$6,217,628
20061775	2/5/2005	2004/05	Unlimited	1,471,257	0	1,471,257
20090036	7/1/2008	2007/08	Unlimited	3,220,556	0	3,220,556
20081090	8/1/2008	2007/08	Unlimited	1,233,408	0	1,233,408

Amounts are gross of excess insurance.

The claim(s) indicated by a "*" have been limited in development.

(1) through (7) were provided by the County.



COOK COUNTY, ILLINOIS
WORKERS' COMPENSATION - GENERAL GOVERNMENT (MEDICAL)

Exhibit WC-Gov-Med-17

Size of Loss Distribution

I. Reported Claim Count

Layer (1)	Prior (2)	2009/10 (3)	2010/11 (4)	2011/12 (5)	2012/13 (6)	2013/14 (7)	Total (2)...(7) (8)	Non-Zero Claim Cumulative Total (9)	Non-Zero Claim Cumulative % of Total (10)
0	14,407	484	416	429	375	252	16,363		
0.01 - 5,000	9,279	224	235	235	192	292	10,457	10,457	77.4%
5,000 - 10,000	884	45	39	31	28	46	1,073	11,530	85.3%
10,000 - 25,000	737	41	48	36	55	79	996	12,526	92.7%
25,000 - 50,000	379	32	30	21	39	49	550	13,076	96.7%
50,000 - 100,000	186	21	11	20	20	10	268	13,344	98.7%
100,000 - 250,000	114	14	8	9	6	2	153	13,497	99.8%
250,000 - 500,000	14	1	1	0	0	0	16	13,513	100.0%
500,000 - 750,000	2	0	0	0	0	0	2	13,515	100.0%
750,000 - 1,000,000	0	0	0	0	0	0	0	13,515	100.0%
Over 1,000,000	4	0	0	0	0	0	4	13,519	100.0%
Total	26,006	862	788	781	715	730	29,882	13,519	

II. Total Reported Incurred Losses

Layer (1)	Prior (2)	2009/10 (3)	2010/11 (4)	2011/12 (5)	2012/13 (6)	2013/14 (7)	Total (2)...(7) (8)	Non-Zero Claim Cumulative Total (9)	Non-Zero Claim Cumulative % of Total (10)
0	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
0.01 - 5,000	9,239,270	366,029	379,022	339,773	263,575	455,574	11,043,243	11,043,243	9.7%
5,000 - 10,000	6,241,902	330,217	268,177	226,707	213,263	358,673	7,638,938	18,682,182	16.5%
10,000 - 25,000	11,819,266	653,430	791,843	626,858	916,356	1,320,852	16,128,605	34,810,787	30.7%
25,000 - 50,000	13,110,973	1,105,705	1,089,611	759,885	1,405,314	1,781,485	19,252,972	54,063,759	47.6%
50,000 - 100,000	12,595,075	1,402,408	732,325	1,352,642	1,329,278	654,745	18,066,474	72,130,233	63.6%
100,000 - 250,000	17,165,870	2,218,259	1,190,224	1,437,804	829,076	249,000	23,090,234	95,220,467	83.9%
250,000 - 500,000	4,346,449	267,459	288,021	0	0	0	4,901,929	100,122,395	88.2%
500,000 - 750,000	1,231,756	0	0	0	0	0	1,231,756	101,354,152	89.3%
750,000 - 1,000,000	0	0	0	0	0	0	0	101,354,152	89.3%
Over 1,000,000	12,142,848	0	0	0	0	0	12,142,848	113,496,999	100.0%
Total	\$87,893,409	\$6,343,506	\$4,739,223	\$4,743,669	\$4,956,862	\$4,820,330	\$113,496,999	\$113,496,999	

Amounts are gross of excess insurance.

Data was provided by the County.



COOK COUNTY, ILLINOIS
GENERAL LIABILITY

Exhibit GL-1 (page 1)

Data Summary as of November 30, 2014
Losses Limited to Self-Insured Retention

Claim Period (1)	Specific Self-Insured Retention (2)	Aggregate Retention (3)	Months of Development 11/30/14 (4)	Revenue (000) (5)	Reported Claims 11/30/14 (6)	Open Claims 11/30/14 (7)	Limited Paid Losses 11/30/14 (8)	Limited Case Reserves 11/30/14 (9)	Limited Reported Incurred Losses 11/30/14 (10)
to 1994/95	See Note	None	240.0	Not Provided	21	0	\$2,775,592	\$0	\$2,775,592
1995/96	Unlimited	None	228.0	827,195	11	0	120,027	0	120,027
1996/97	Unlimited	None	216.0	911,921	15	0	311,221	0	311,221
1997/98	Unlimited	None	204.0	953,497	22	0	1,096,413	0	1,096,413
1998/99	Unlimited	None	192.0	958,768	29	0	256,471	0	256,471
1999/00	Unlimited	None	180.0	1,018,542	30	0	1,636,116	0	1,636,116
2000/01	9,500,000	40,000,000	168.0	1,068,809	41	0	692,872	0	692,872
2001/02	9,500,000	40,000,000	156.0	1,057,079	33	0	242,675	0	242,675
2002/03	9,500,000	45,000,000	144.0	1,086,728	34	0	428,613	0	428,613
2003/04	10,000,000	None	132.0	1,199,434	34	0	35,161	0	35,161
2004/05	10,000,000	25,000,000	120.0	1,189,789	65	0	222,376	0	222,376
2005/06	10,000,000	25,000,000	108.0	1,357,723	40	0	170,347	0	170,347
2006/07	10,000,000	25,000,000	96.0	1,243,144	49	0	117,830	0	117,830
2007/08	10,000,000	25,000,000	84.0	1,207,801	212	0	446,995	0	446,995
2008/09	10,000,000	25,000,000	72.0	1,303,812	142	0	152,107	0	152,107
2009/10	10,000,000	25,000,000	60.0	1,287,986	68	2	204,995	100,000	304,995
2010/11	10,000,000	25,000,000	48.0	1,293,078	48	0	138,548	0	138,548
2011/12	10,000,000	25,000,000	36.0	1,331,769	52	5	39,120	356,750	395,870
2012/13	15,000,000	25,000,000	24.0	1,285,791	68	4	314,265	95,500	409,765
2013/14	15,000,000	25,000,000	12.0	Not Provided	222	94	24,401	110,150	134,551
Total					1,236	105	\$9,426,144	\$662,400	\$10,088,544

* The specific self-insured retention changes are as follows:

Effective Date	Retention
12/01/90	Unlimited
12/01/00	9,500,000
12/01/03	10,000,000
03/01/13	15,000,000

(8), (9) and (10) are net of the specific self-insured retention and other recoveries.

Data was provided by the County.



COOK COUNTY, ILLINOIS
GENERAL LIABILITY

Exhibit GL-1 (page 2)

Data Summary as of November 30, 2014
Unlimited Losses

Claim Period (1)	Specific Self-Insured Retention (2)	Aggregate Retention (3)	Months of Development 11/30/14 (4)	Revenue (000) (5)	Reported Claims 11/30/14 (6)	Open Claims 11/30/14 (7)	Unlimited Paid Losses 11/30/14 (8)	Unlimited Case Reserves 11/30/14 (9)	Unlimited Reported Incurred Losses 11/30/14 (10)
to 1994/95	Unlimited	None	240.0	Not Provided	21	0	\$2,775,592	\$0	\$2,775,592
1995/96	Unlimited	None	228.0	827,195	11	0	120,027	0	120,027
1996/97	Unlimited	None	216.0	911,921	15	0	311,221	0	311,221
1997/98	Unlimited	None	204.0	953,497	22	0	1,096,413	0	1,096,413
1998/99	Unlimited	None	192.0	958,768	29	0	256,471	0	256,471
1999/00	Unlimited	None	180.0	1,018,542	30	0	1,636,116	0	1,636,116
2000/01	Unlimited	40,000,000	168.0	1,068,809	41	0	692,872	0	692,872
2001/02	Unlimited	40,000,000	156.0	1,057,079	33	0	242,675	0	242,675
2002/03	Unlimited	45,000,000	144.0	1,086,728	34	0	428,613	0	428,613
2003/04	Unlimited	None	132.0	1,199,434	34	0	35,161	0	35,161
2004/05	Unlimited	25,000,000	120.0	1,189,789	65	0	222,376	0	222,376
2005/06	Unlimited	25,000,000	108.0	1,357,723	40	0	170,347	0	170,347
2006/07	Unlimited	25,000,000	96.0	1,243,144	49	0	117,830	0	117,830
2007/08	Unlimited	25,000,000	84.0	1,207,801	212	0	446,995	0	446,995
2008/09	Unlimited	25,000,000	72.0	1,303,812	142	0	152,107	0	152,107
2009/10	Unlimited	25,000,000	60.0	1,287,986	68	2	204,995	100,000	304,995
2010/11	Unlimited	25,000,000	48.0	1,293,078	48	0	138,548	0	138,548
2011/12	Unlimited	25,000,000	36.0	1,331,769	52	5	39,120	356,750	395,870
2012/13	Unlimited	25,000,000	24.0	1,285,791	68	4	314,265	95,500	409,765
2013/14	Unlimited	25,000,000	12.0	Not Provided	222	94	24,401	110,150	134,551
Total					1,236	105	\$9,426,144	\$662,400	\$10,088,544

(8), (9) and (10) are gross of the specific self-insured retention and other recoveries.

Data was provided by the County.



COOK COUNTY, ILLINOIS
GENERAL LIABILITY

Summary of Percent Losses Paid, Losses Reported and Claims Reported

Months of Development (1)	Percent Losses Paid (2)	Percent Losses Reported (3)	Percent Claims Reported (4)	Months of Development (5)	Percent Losses Paid (6)	Percent Losses Reported (7)	Percent Claims Reported (8)
360.0	100.0%	100.0%	100.0%	354.0	100.0%	100.0%	100.0%
348.0	100.0%	100.0%	100.0%	342.0	100.0%	100.0%	100.0%
336.0	100.0%	100.0%	100.0%	330.0	100.0%	100.0%	100.0%
324.0	100.0%	100.0%	100.0%	318.0	100.0%	100.0%	100.0%
312.0	100.0%	100.0%	100.0%	306.0	100.0%	100.0%	100.0%
300.0	100.0%	100.0%	100.0%	294.0	100.0%	100.0%	100.0%
288.0	100.0%	100.0%	100.0%	282.0	100.0%	100.0%	100.0%
276.0	100.0%	100.0%	100.0%	270.0	100.0%	100.0%	100.0%
264.0	100.0%	100.0%	100.0%	258.0	100.0%	100.0%	100.0%
252.0	100.0%	100.0%	100.0%	246.0	100.0%	100.0%	100.0%
240.0	100.0%	100.0%	100.0%	234.0	100.0%	100.0%	100.0%
228.0	100.0%	100.0%	100.0%	222.0	100.0%	100.0%	100.0%
216.0	100.0%	100.0%	100.0%	210.0	100.0%	100.0%	100.0%
204.0	100.0%	100.0%	100.0%	198.0	100.0%	100.0%	100.0%
192.0	100.0%	100.0%	100.0%	186.0	100.0%	100.0%	100.0%
180.0	100.0%	100.0%	100.0%	174.0	100.0%	100.0%	100.0%
168.0	100.0%	100.0%	100.0%	162.0	100.0%	100.0%	100.0%
156.0	100.0%	100.0%	100.0%	150.0	100.0%	100.0%	100.0%
144.0	100.0%	100.0%	100.0%	138.0	100.0%	100.0%	100.0%
132.0	100.0%	100.0%	100.0%	126.0	100.0%	100.0%	100.0%
120.0	100.0%	100.0%	100.0%	114.0	100.0%	100.0%	100.0%
108.0	100.0%	100.0%	100.0%	102.0	100.0%	100.0%	100.0%
96.0	100.0%	100.0%	100.0%	90.0	100.0%	100.0%	100.0%
84.0	100.0%	100.0%	100.0%	78.0	99.3%	100.0%	100.0%
72.0	98.5%	100.0%	100.0%	66.0	96.4%	98.8%	100.0%
60.0	94.3%	97.6%	100.0%	54.0	84.9%	95.2%	100.0%
48.0	75.4%	92.9%	100.0%	42.0	62.9%	88.7%	100.0%
36.0	50.3%	84.5%	100.0%	30.0	35.4%	72.4%	100.0%
24.0	20.5%	60.3%	100.0%	18.0	13.0%	46.0%	99.0%
12.0	5.4%	31.8%	98.0%	6.0	2.7%	15.9%	49.0%

(2) is from Exhibit GL-2 (page 2).

(3) is from Exhibit GL-2 (page 3).

(4) is from Exhibit GL-2 (page 4).

(6), (7) and (8) are interpolated, based on (2), (3) and (4), respectively.



COOK COUNTY, ILLINOIS
GENERAL LIABILITY

Historical Limited Paid Losses (\$000) and Limited Paid Loss Development

Claim Period	Months of Development:																				
	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204	216	228	240	
to 1994/95					\$1,830	\$1,982	\$2,025	\$2,025	\$2,025	\$2,776	\$2,776	\$2,776	\$2,776	\$2,776	\$2,776	\$2,776	\$2,776	\$2,776	\$2,776	\$2,776	\$2,776
1995/96	10	23	30	70	85	110	110	120	120	120	120	120	120	120	120	120	120	120	120	120	120
1996/97	19	46	40	51	226	226	226	301	301	301	301	301	301	301	301	301	301	301	301	301	301
1997/98	4	66	91	1,036	1,096	1,096	1,096	1,096	1,096	1,096	1,096	1,096	1,096	1,096	1,096	1,096	1,096	1,096	1,096	1,096	1,096
1998/99	5	9	59	154	256	256	256	256	256	256	256	256	256	256	256	256	256	256	256	256	256
1999/00	3	20	27	685	710	710	710	710	710	710	710	710	710	710	710	710	710	710	710	710	710
2000/01	6	16	515	579	685	685	685	685	685	685	685	685	685	685	685	685	685	685	685	685	685
2001/02	13	20	93	93	93	243	243	243	243	243	243	243	243	243	243	243	243	243	243	243	243
2002/03	1	10	20	24	429	429	429	429	429	429	429	429	429	429	429	429	429	429	429	429	429
2003/04	5	18	22	22	222	222	222	222	222	222	222	222	222	222	222	222	222	222	222	222	222
2004/05	10	24	61	164	164	164	164	164	164	164	164	164	164	164	164	164	164	164	164	164	164
2005/06	4	41	74	118	118	118	118	118	118	118	118	118	118	118	118	118	118	118	118	118	118
2006/07	21	38	99	128	398	402	447														
2007/08	37	69	81	128	398	402	447														
2008/09	15	40	47	47	152	152															
2009/10	19	27	119	205	205																
2010/11	13	20	24	24	139																
2011/12	20	24	39																		
2012/13	303	314																			
2013/14	24																				

II. Limited Paid Loss Development

Claim Period	Months of Development:																			
	12-24	24-36	36-48	48-60	60-72	72-84	84-96	96-108	108-120	120-132	132-144	144-156	156-168	168-180	180-192	192-204	204-216	216-228	228-240	240-Ult
to 1994/95					1,083	1,022	1,000	1,000	1,370	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
1995/96	2,152	1,333	2,332	1,214	1,294	1,000	1,091	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
1996/97	1,046	2,073	1,286	4,417	1,000	1,000	1,332	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
1997/98	16,013	1,389	11,359	1,058	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
1998/99	1,835	11,265	1,557	1,668	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
1999/00	5,689	1,398	24,971	1,037	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
2000/01	2,549	31,729	1,124	1,020	1,161	1,011	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
2001/02	1,557	4,709	1,000	1,000	2,619	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
2002/03	8,386	2,019	1,199	1,199	17,775	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
2003/04	3,393	1,199	1,000	1,623	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
2004/05	2,462	2,571	3,623	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
2005/06	11,562	1,797	2,222	1,000	1,000	1,040	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
2006/07	1,784	2,622	1,192	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
2007/08	1,851	1,784	1,590	3,101	1,009	1,112	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
2008/09	2,643	1,180	1,000	3,229	1,000															
2009/10	1,443	4,407	1,720	1,000																
2010/11	1,534	1,200	5,761																	
2011/12	1,204	1,622																		
2012/13	1,038																			
2013/14																				
Average All	3,786	4,334	3,932	2,743	1,144	1,013	1,033	1,000	1,034	1,000	1,000	1,000	1,186	1,006	1,000	1,000	1,000	1,000	1,000	1,000
Wtd 3	1,067	2,561	2,052	1,985	1,005	1,075	1,000	1,000	1,000	1,000	1,000	1,000	1,557	1,000	1,000	1,000	1,000	1,000	1,000	1,000
Last 3	1,259	2,409	2,827	2,443	1,063	1,061	1,000	1,000	1,000	1,000	1,000	1,000	1,434	1,000	1,000	1,000	1,000	1,000	1,000	1,000
Last 5 x-Hi/low	1,394	1,334	1,501	1,700	1,000	1,013	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
Similar	2,400	1,650	1,350	1,205	1,112	1,065	1,045	1,030	1,020	1,125	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
Previous	4,000	2,500	1,500	1,250	1,050	1,010	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
Selected	3,800	2,450	1,500	1,250	1,045	1,015	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
Cumulative	18,515	4,872	1,989	1,326	1,061	1,015	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
Percent	5.4%	20.5%	50.3%	75.4%	94.3%	98.5%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Amounts are limited (net of excess insurance).

Data was provided by the County.



COOK COUNTY, ILLINOIS
GENERAL LIABILITY

Historical Limited Reported Incurred Losses (\$000) and Limited Reported Incurred Loss Development

I. Historical Limited Reported Incurred Losses (\$000)

Claim Period	Months of Development:																			
	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204	216	228	240
to 1994/05					\$3,311	\$2,892	\$2,133	\$2,190	\$2,026	\$2,776	\$2,776	\$2,776	\$2,776	\$2,776	\$2,776	\$2,776	\$2,776	\$2,776	\$2,298	\$2,776
1995/06				175	170	140	140	130	120	120	120	120	120	120	120	120	120	120	120	120
1996/07				1,017	538	536	536	311	301	301	301	301	301	301	301	311	311	311	311	311
1997/08				1,149	819	1,131	1,131	1,106	1,086	1,086	1,086	1,086	1,086	1,086	1,086	1,086	1,086	1,086	1,086	1,086
1998/09				845	776	286	286	256	256	256	256	256	256	256	256	256	256	256	256	256
1999/00				775	689	985	985	715	711	711	711	711	711	711	711	711	711	711	711	711
2000/01				845	1,830	2,261	2,261	2,193	2,193	2,193	2,193	2,193	2,193	2,193	2,193	2,193	2,193	2,193	2,193	2,193
2001/02				690	817	3,836	690	734	725	693	693	693	693	693	693	693	693	693	693	693
2002/03				1,108	320	270	1,626	12,779	439	429	429	429	429	429	429	429	429	429	429	429
2003/04				337	641	327	337	35	35	35	35	35	35	35	35	35	35	35	35	35
2004/05				411	488	751	411	411	287	222	222	222	222	222	222	222	222	222	222	222
2005/06				214	200	527	214	184	184	176	170	170	170	170	170	170	170	170	170	170
2006/07				421	412	421	421	317	313	313	313	313	313	313	313	313	313	313	313	313
2007/08				197	638	530	453	512	447	118	118	118	118	118	118	118	118	118	118	118
2008/09				127	169	127	152	152	152	152	152	152	152	152	152	152	152	152	152	152
2009/10				310	117	211	332	310	310	310	310	310	310	310	310	310	310	310	310	310
2010/11				59	68	219	59	59	59	59	59	59	59	59	59	59	59	59	59	59
2011/12				396	205	253	205	253	205	253	205	253	205	253	205	253	205	253	205	253
2012/13				410	383	410	410	410	410	410	410	410	410	410	410	410	410	410	410	410
2013/14				135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135

II. Limited Reported Incurred Loss Development

Claim Period	Months of Development:																			
	12-24	24-36	36-48	48-60	60-72	72-84	84-96	96-108	108-120	120-132	132-144	144-156	156-168	168-180	180-192	192-204	204-216	216-228	228-240	240-Ult
to 1994/05					0.874	0.737	1.027	0.925	1.370	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1995/06				0.971	0.824	1.000	0.857	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1996/07				0.529	0.977	1.000	0.891	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1997/08				0.984	0.990	1.000	0.978	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1998/09				1.003	0.969	1.000	0.989	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1999/00				0.425	1.003	0.741	3.094	0.322	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2000/01				0.989	1.064	0.989	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2001/02				0.472	0.582	0.684	3.165	1.000	0.772	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2002/03				0.034	0.977	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2003/04				0.056	0.637	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2004/05				0.832	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2005/06				0.860	0.650	0.832	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2006/07				1.000	0.800	0.800	0.966	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2007/08				0.831	0.755	0.419	1.000	0.887	1.000	0.873	0.873	0.873	0.873	0.873	0.873	0.873	0.873	0.873	0.873	0.873
2008/09				0.672	0.550	0.672	3.229	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2009/10				0.984	1.805	1.575	0.935	0.984	0.984	0.984	0.984	0.984	0.984	0.984	0.984	0.984	0.984	0.984	0.984	0.984
2010/11				2.346	3.222	0.269	1.567	2.346	2.346	2.346	2.346	2.346	2.346	2.346	2.346	2.346	2.346	2.346	2.346	2.346
2011/12				1.070	1.234	1.070	1.070	1.070	1.070	1.070	1.070	1.070	1.070	1.070	1.070	1.070	1.070	1.070	1.070	1.070
2012/13				1.110	1.190	1.110	1.110	1.110	1.110	1.110	1.110	1.110	1.110	1.110	1.110	1.110	1.110	1.110	1.110	1.110
2013/14				1.050	1.400	1.050	1.050	1.050	1.050	1.050	1.050	1.050	1.050	1.050	1.050	1.050	1.050	1.050	1.050	1.050
Average				1.133	1.458	1.133	0.892	0.879	0.995	0.941	1.234	1.028	0.943	1.006	1.000	1.000	1.000	0.914	1.208	1.000
All				1.076	1.153	1.076	1.059	1.059	1.000	1.000	1.000	1.000	0.706	1.000	1.000	1.000	1.000	1.000	1.000	1.000
Wtd 3				1.318	1.437	1.318	1.065	0.946	1.000	1.000	1.000	1.075	0.868	1.000	1.000	1.000	1.000	1.000	1.000	1.000
Last 3				0.821	0.963	0.821	0.986	0.986	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
Last 5				1.110	1.350	1.110	1.060	1.060	1.025	1.025	1.025	1.025	1.025	1.025	1.025	1.025	1.025	1.025	1.025	1.025
x-Follow				1.050	1.400	1.050	1.050	1.050	1.050	1.050	1.050	1.050	1.050	1.050	1.050	1.050	1.050	1.050	1.050	1.050
Similar				1.110	1.350	1.110	1.060	1.060	1.025	1.025	1.025	1.025	1.025	1.025	1.025	1.025	1.025	1.025	1.025	1.025
Previous				1.050	1.400	1.050	1.050	1.050	1.050	1.050	1.050	1.050	1.050	1.050	1.050	1.050	1.050	1.050	1.050	1.050
Selected				1.100	1.400	1.100	1.025	1.025	1.025	1.025	1.025	1.025	1.025	1.025	1.025	1.025	1.025	1.025	1.025	1.025
Cumulative				1.184	1.657	1.184	1.076	1.076	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
Percent				84.5%	60.3%	84.5%	92.9%	97.6%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Amounts are limited (net of excess insurance).

Data was provided by the County.



COOK COUNTY, ILLINOIS
GENERAL LIABILITY

Historical Reported Claims and Reported Claim Development

I. Historical Reported Claims	Months of Development:																				
	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204	216	228	240	
Claim Period																					
to 1994/05																					
1995/06			14	13	11	11	11	19	20	21	21	21	21	21	21	21	21	21	21	21	
1996/07			23	19	17	15	15	11	11	11	11	11	11	11	11	11	11	11	11	11	
1997/08			36	23	24	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	
1998/09			48	37	32	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	
1999/00			53	45	39	33	30	30	30	30	30	30	30	30	30	30	30	30	30	30	
2000/01	31		45	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	
2001/02			46	34	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	
2002/03			32	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	
2003/04			34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	
2004/05			65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	
2005/06			40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	
2006/07			49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	
2007/08			212	212	212	212	212	212	212	212	212	212	212	212	212	212	212	212	212	212	
2008/09			142	142	142	142	142	142	142	142	142	142	142	142	142	142	142	142	142	142	
2009/10			68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	
2010/11			48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	
2011/12			52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	
2012/13			68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	
2013/14			222																		

II. Reported Claim Development

II. Reported Claim Development	Months of Development:																				
	12-24	24-36	36-48	48-60	60-72	72-84	84-96	96-108	108-120	120-132	132-144	144-156	156-168	168-180	180-192	192-204	204-216	216-228	228-240	240-Ult	
Claim Period																					
to 1994/05																					
1995/06			0.929	0.923	0.917	1.000	1.000	1.053	1.050	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
1996/07			0.826	0.885	0.862	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
1997/08	1.194	0.973	0.694	0.960	0.917	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
1998/09	1.200	0.771	0.865	0.906	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
1999/00	0.849	0.867	0.846	0.909	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
2000/01	0.549	0.911	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
2001/02	0.739	0.971	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
2002/03	1.063	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
2003/04	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
2004/05	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
2005/06	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
2006/07	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
2007/08	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
2008/09	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
2009/10	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
2010/11	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
2011/12	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
2012/13	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
2013/14	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
Average All	0.975	0.963	0.948	0.973	0.980	1.000	1.000	1.004	1.005	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
Wtd 3	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
Last 3	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
Last 5 x-tiltlow	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
Similar	1.020	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
Percent	98.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	

Data was provided by the County.



COOK COUNTY, ILLINOIS
GENERAL LIABILITY
Historical Ratio of Limited Paid Losses and Limited Reported Incurred Losses

Claim Period	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204	216	228	240	
to 1/994/05																					
1995/06	3.9%	6.0%	16.6%	40.0%	55.3%	68.5%	85.0%	92.5%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
1996/07	3.9%	1.6%	3.1%	5.0%	50.0%	78.6%	78.6%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
1997/08	1.7%	8.0%	11.1%	90.2%	42.1%	42.2%	42.2%	66.8%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
1998/09	2.7%	1.0%	11.7%	19.9%	96.0%	96.9%	96.9%	99.1%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
1999/00	0.6%	1.3%	1.5%	30.3%	73.8%	89.5%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
2000/01	0.8%	0.4%	74.6%	78.9%	81.4%	98.9%	100.0%	31.6%	100.0%	100.0%	100.0%	32.2%	26.2%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
2001/02	3.9%	7.3%	8.4%	5.7%	12.2%	54.8%	80.2%	80.2%	86.2%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
2002/03	1.0%	0.6%	0.2%	0.2%	97.7%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
2003/04	0.8%	5.5%	6.4%	83.2%	63.7%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
2004/05	2.0%	3.2%	14.9%	83.2%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
2005/06	1.8%	7.8%	17.5%	76.6%	89.1%	92.9%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
2006/07	5.1%	9.0%	31.1%	88.7%	88.7%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
2007/08	18.9%	10.8%	15.2%	28.3%	87.9%	78.5%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
2008/09	9.0%	31.3%	67.2%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
2009/10	16.1%	12.8%	35.9%	66.1%	67.2%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
2010/11	19.2%	9.1%	40.7%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
2011/12	9.8%	9.5%	9.9%																		
2012/13	79.1%	76.7%																			
2013/14	18.1%																				
Average																					
All	10.4%	11.2%	21.5%	51.0%	71.1%	85.0%	92.3%	87.1%	92.6%	94.6%	100.0%	92.5%	90.8%	100.0%	100.0%	100.0%	100.0%	100.0%	110.4%	100.0%	100.0%
Last 3	35.7%	31.8%	28.8%	88.7%	85.0%	92.8%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	75.4%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Last 5	17.8%	17.9%	30.6%	84.9%	88.6%	97.6%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
x-high																					
Implicit	17.0%	34.0%	59.5%	81.2%	96.6%	98.5%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%



COOK COUNTY, ILLINOIS
GENERAL LIABILITY

Exhibit GL-3

Developed Limited Paid Losses

Claim Period (1)	Months of Development 11/30/14 (2)	Limited Paid Losses 11/30/14 (3)	Percent Losses Paid (4)	Developed Limited Paid Losses (3)/(4) (5)
to 1994/95	240.0	\$2,775,592	100.0%	\$2,775,592
1995/96	228.0	120,027	100.0%	120,027
1996/97	216.0	311,221	100.0%	311,221
1997/98	204.0	1,096,413	100.0%	1,096,413
1998/99	192.0	256,471	100.0%	256,471
1999/00	180.0	1,636,116	100.0%	1,636,116
2000/01	168.0	692,872	100.0%	692,872
2001/02	156.0	242,675	100.0%	242,675
2002/03	144.0	428,613	100.0%	428,613
2003/04	132.0	35,161	100.0%	35,161
2004/05	120.0	222,376	100.0%	222,376
2005/06	108.0	170,347	100.0%	170,347
2006/07	96.0	117,830	100.0%	117,830
2007/08	84.0	446,995	100.0%	446,995
2008/09	72.0	152,107	98.5%	154,389
2009/10	60.0	204,995	94.3%	217,433
2010/11	48.0	138,548	75.4%	183,693
2011/12	36.0	39,120	50.3%	77,801
2012/13	24.0	314,265	20.5%	1,531,248
2013/14	12.0	24,401	5.4%	451,795

(3) is from Exhibit GL-1.

(4) is from Exhibit GL-2.



COOK COUNTY, ILLINOIS
GENERAL LIABILITY

Exhibit GL-4

Developed Limited Reported Incurred Losses

Claim Period (1)	Months of Development 11/30/14 (2)	Limited Reported Incurred Losses 11/30/14 (3)	Percent Losses Reported (4)	Developed Limited Reported Incurred Losses (3)/(4) (5)
to 1994/95	240.0	\$2,775,592	100.0%	\$2,775,592
1995/96	228.0	120,027	100.0%	120,027
1996/97	216.0	311,221	100.0%	311,221
1997/98	204.0	1,096,413	100.0%	1,096,413
1998/99	192.0	256,471	100.0%	256,471
1999/00	180.0	1,636,116	100.0%	1,636,116
2000/01	168.0	692,872	100.0%	692,872
2001/02	156.0	242,675	100.0%	242,675
2002/03	144.0	428,613	100.0%	428,613
2003/04	132.0	35,161	100.0%	35,161
2004/05	120.0	222,376	100.0%	222,376
2005/06	108.0	170,347	100.0%	170,347
2006/07	96.0	117,830	100.0%	117,830
2007/08	84.0	446,995	100.0%	446,995
2008/09	72.0	152,107	100.0%	152,107
2009/10	60.0	304,995	97.6%	312,619
2010/11	48.0	138,548	92.9%	149,112
2011/12	36.0	395,870	84.5%	468,661
2012/13	24.0	409,765	60.3%	679,155
2013/14	12.0	134,551	31.8%	423,716

(3) is from Exhibit GL-1.

(4) is from Exhibit GL-2.



COOK COUNTY, ILLINOIS
GENERAL LIABILITY

Exhibit GL-5

Developed Limited Case Reserves

Claim Period (1)	Months of Development 11/30/14 (2)	Percent Losses Paid (3)	Percent Losses Reported (4)	Percent Losses Reserved 11/30/14 [(4)-(3)]/ [100.0%-(3)] (5)	Limited Paid Losses 11/30/14 (6)	Limited Case Reserves 11/30/14 (7)	Developed Limited Case Reserves (6)+(7)/(5) (8)
to 1994/95	240.0	100.0%	100.0%	100.0%	\$2,775,592	\$0	\$2,775,592
1995/96	228.0	100.0%	100.0%	100.0%	120,027	0	120,027
1996/97	216.0	100.0%	100.0%	100.0%	311,221	0	311,221
1997/98	204.0	100.0%	100.0%	100.0%	1,096,413	0	1,096,413
1998/99	192.0	100.0%	100.0%	100.0%	256,471	0	256,471
1999/00	180.0	100.0%	100.0%	100.0%	1,636,116	0	1,636,116
2000/01	168.0	100.0%	100.0%	100.0%	692,872	0	692,872
2001/02	156.0	100.0%	100.0%	100.0%	242,675	0	242,675
2002/03	144.0	100.0%	100.0%	100.0%	428,613	0	428,613
2003/04	132.0	100.0%	100.0%	100.0%	35,161	0	35,161
2004/05	120.0	100.0%	100.0%	100.0%	222,376	0	222,376
2005/06	108.0	100.0%	100.0%	100.0%	170,347	0	170,347
2006/07	96.0	100.0%	100.0%	100.0%	117,830	0	117,830
2007/08	84.0	100.0%	100.0%	100.0%	446,995	0	446,995
2008/09	72.0	98.5%	100.0%	100.0%	152,107	0	152,107
2009/10	60.0	94.3%	97.6%	57.4%	204,995	100,000	379,324
2010/11	48.0	75.4%	92.9%	71.2%	138,548	0	138,548
2011/12	36.0	50.3%	84.5%	68.8%	39,120	356,750	557,951
2012/13	24.0	20.5%	60.3%	50.1%	314,265	95,500	504,915
2013/14	12.0	5.4%	31.8%	27.9%	24,401	110,150	419,788

(3) and (4) are from Exhibit GL-2.

(6) and (7) are from Exhibit GL-1.



COOK COUNTY, ILLINOIS
GENERAL LIABILITY

Exhibit GL-6

Preliminary Projected Ultimate Limited Losses to 2013/14

Claim Period (1)	Developed Limited Paid Losses (2)	Developed Limited Reported Incurred Losses (3)	Developed Limited Case Reserves (4)	Preliminary Projected Ultimate Limited Losses (5)
to 1994/95	\$2,775,592	\$2,775,592	\$2,775,592	\$2,775,592
1995/96	120,027	120,027	120,027	120,027
1996/97	311,221	311,221	311,221	311,221
1997/98	1,096,413	1,096,413	1,096,413	1,096,413
1998/99	256,471	256,471	256,471	256,471
1999/00	1,636,116	1,636,116	1,636,116	1,636,116
2000/01	692,872	692,872	692,872	692,872
2001/02	242,675	242,675	242,675	242,675
2002/03	428,613	428,613	428,613	428,613
2003/04	35,161	35,161	35,161	35,161
2004/05	222,376	222,376	222,376	222,376
2005/06	170,347	170,347	170,347	170,347
2006/07	117,830	117,830	117,830	117,830
2007/08	446,995	446,995	446,995	446,995
2008/09	154,389	152,107	152,107	152,107
2009/10	217,433	312,619	379,324	352,642
2010/11	183,693	149,112	138,548	138,548
2011/12	77,801	468,661	557,951	431,545
2012/13	1,531,248	679,155	504,915	779,878
2013/14	451,795	423,716	419,788	427,761

(2) is from Exhibit GL-3.

(3) is from Exhibit GL-4.

(4) is from Exhibit GL-5.

(5) is based on (2) to (4) and actuarial judgment.



COOK COUNTY, ILLINOIS
GENERAL LIABILITY

Exhibit GL-7

Bornhuetter - Ferguson Analysis

I. A-priori Loss Rate

Claim Period (1)	Preliminary Projected Ultimate Limited Losses (2)	Revenue (000) (3)	Limited Loss Rate per \$1,000 of Revenue (2)/(3) (4)	Loss Rate Trend (2014/15 = 1.000) (5)	Trended Limited Loss Rate per \$1,000 of Revenue (4)X(5) (6)	Projected A-priori Loss Rate per \$1,000 of Revenue (7)/(5) (8)
2004/05	\$222,376	\$1,189,789	\$0.19	1.480	\$0.28	\$0.21
2005/06	170,347	1,357,723	0.13	1.423	0.18	0.21
2006/07	117,830	1,243,144	0.09	1.369	0.13	0.22
2007/08	446,995	1,207,801	0.37	1.316	0.49	0.23
2008/09	152,107	1,303,812	0.12	1.265	0.15	0.24
2009/10	352,642	1,287,986	0.27	1.217	0.33	0.25
2010/11	138,548	1,293,078	0.11	1.170	0.13	0.26
2011/12	431,545	1,331,769	0.32	1.125	0.36	0.27
2012/13	779,878	1,285,791	0.61	1.082	0.66	0.28
2013/14	427,761	1,285,791	0.33	1.040	0.35	0.29

(7) Projected 2014/15 a-priori loss rate per \$1,000 of Revenue \$0.30

II. Bornhuetter - Ferguson Analysis Based on Limited Paid Losses

Claim Period (1)	Limited Paid Losses 11/30/14 (2)	Percent Losses Paid (3)	Projected A-priori Loss Rate per \$1,000 of Revenue (4)	Revenue (000) (5)	B-F Unpaid Losses [100.0%-(3)] X(4)X(5) (6)	B-F Ultimate Limited Paid Losses (2)+(6) (7)
2009/10	\$204,995	94.3%	\$0.25	\$1,287,986	\$18,437	\$223,432
2010/11	138,548	75.4%	0.26	1,293,078	82,705	221,253
2011/12	39,120	50.3%	0.27	1,331,769	179,210	218,330
2012/13	314,265	20.5%	0.28	1,285,791	287,652	601,917
2013/14	24,401	5.4%	0.29	1,285,791	356,081	380,482

III. Bornhuetter - Ferguson Analysis Based on Limited Reported Incurred Losses

Claim Period (1)	Limited Reported Incurred Losses 11/30/14 (2)	Percent Losses Reported (3)	Projected A-priori Loss Rate per \$1,000 of Revenue (4)	Revenue (000) (5)	B-F Unreported Losses [100.0%-(3)] X(4)X(5) (6)	B-F Ultimate Limited Reported Losses (2)+(6) (7)
2009/10	\$304,995	97.6%	\$0.25	\$1,287,986	\$7,861	\$312,856
2010/11	138,548	92.9%	0.26	1,293,078	23,842	162,390
2011/12	395,870	84.5%	0.27	1,331,769	55,985	451,855
2012/13	409,765	60.3%	0.28	1,285,791	143,563	553,327
2013/14	134,551	31.8%	0.29	1,285,791	256,881	391,432

Section I, (2) is from Exhibit GL-6.

Section I, (3), Section II, (5) and Section III, (5) are from Exhibit GL-10.

Section I, (5) is based on a 4% trend.

Section I, (7) is based on Section I, (6) and actuarial judgment.

Sections II and III, (2) are from Exhibit GL-1.

Sections II and III, (3) are from Exhibit GL-2.

Sections II and III, (4) are from Section I, (8).



COOK COUNTY, ILLINOIS
GENERAL LIABILITY

Exhibit GL-8

Frequency Times Severity Analysis

I. Projected Ultimate Claims

Claim Period (1)	Months of Development 11/30/14 (2)	Reported Claims 11/30/14 (3)	Percent Claims Reported (4)	Projected Ultimate Claims (3)/(4) (5)	Revenue (000) (6)	Frequency (per \$1M of Revenue) (5)/(6)X1,000 (7)
2004/05	120.0	65	100.0%	65	\$1,189,789	0.05
2005/06	108.0	40	100.0%	40	1,357,723	0.03
2006/07	96.0	49	100.0%	49	1,243,144	0.04
2007/08	84.0	212	100.0%	212	1,207,801	0.18
2008/09	72.0	142	100.0%	142	1,303,812	0.11
2009/10	60.0	68	100.0%	68	1,287,986	0.05
2010/11	48.0	48	100.0%	48	1,293,078	0.04
2011/12	36.0	52	100.0%	52	1,331,769	0.04
2012/13	24.0	68	100.0%	68	1,285,791	0.05
2013/14	12.0	222	98.0%	226	1,285,791	0.18

II. Frequency Times Severity

Claim Period (1)	Preliminary Projected Ultimate Limited Losses (2)	Projected Ultimate Claims (3)	Average Severity (2)/(3) (4)	Severity Trend (2014/15 = 1.000) (5)	Trended Average Claim Severity (4)X(5) (6)	De-Trended Projected 2014/15 Average Claim Severity (7)/(5) (8)	Frequency Times Severity (3)X(8) (9)
2004/05	\$222,376	65	\$3,421	1.480	\$5,064	\$3,509	\$228,082
2005/06	170,347	40	4,259	1.423	6,061	3,649	145,972
2006/07	117,830	49	2,405	1.369	3,291	3,795	185,969
2007/08	446,995	212	2,108	1.316	2,775	3,947	836,783
2008/09	152,107	142	1,071	1.265	1,355	4,105	582,906
2009/10	352,642	68	5,186	1.217	6,309	4,269	290,304
2010/11	138,548	48	2,886	1.170	3,377	4,440	213,117
2011/12	431,545	52	8,299	1.125	9,335	4,618	240,112
2012/13	779,878	68	11,469	1.082	12,405	4,802	326,552
2013/14	427,761	226	1,893	1.040	1,968	4,994	1,128,718
						(7) Projected 2014/15 average claim severity \$5,194	

Section I, (3) is from Exhibit GL-1.

Section I, (4) is from Exhibit GL-2.

Section I, (6) is from Exhibit GL-10.

Section II, (2) is from Exhibit GL-6.

Section II, (3) is from Section I, (5).

Section II, (5) is based on a 4% trend.

Section II, (7) is based on (6) and actuarial judgment.



COOK COUNTY, ILLINOIS
GENERAL LIABILITY

Exhibit GL-9

Projected Ultimate Limited Losses to 2013/14

Claim Period (1)	Developed Limited Paid Losses (2)	Developed Limited Reported Incurred Losses (3)	Developed Limited Case Reserves (4)	B-F Ultimate Limited Paid Losses (5)	B-F Ultimate Limited Reported Losses (6)	Frequency Times Severity (7)	Prior Projected Ultimate Limited Losses (8)	Projected Ultimate Limited Losses (9)
to 1994/95	\$2,775,592	\$2,775,592	\$2,775,592				\$2,775,592	\$2,775,592
1995/96	120,027	120,027	120,027				120,027	120,027
1996/97	311,221	311,221	311,221				311,221	311,221
1997/98	1,096,413	1,096,413	1,096,413				1,096,413	1,096,413
1998/99	256,471	256,471	256,471				256,471	256,471
1999/00	1,636,116	1,636,116	1,636,116				1,636,116	1,636,116
2000/01	692,872	692,872	692,872				692,872	692,872
2001/02	242,675	242,675	242,675				242,675	242,675
2002/03	428,613	428,613	428,613				428,613	428,613
2003/04	35,161	35,161	35,161				35,161	35,161
2004/05	222,376	222,376	222,376				222,376	222,376
2005/06	170,347	170,347	170,347				170,347	170,347
2006/07	117,830	117,830	117,830				117,830	117,830
2007/08	446,995	446,995	446,995				525,000	446,995
2008/09	154,389	152,107	152,107				350,000	152,107
2009/10	217,433	312,619	379,324	223,432	312,856	290,304	450,000	350,000
2010/11	183,693	149,112	138,548	221,253	162,390	213,117	275,000	200,000
2011/12	77,801	468,661	557,951	218,330	451,855	240,112	500,000	500,000
2012/13	1,531,248	679,155	504,915	601,917	553,327	326,552	700,000	700,000
2013/14	451,795	423,716	419,788	380,482	391,432	1,128,718	429,000	500,000
Total	\$11,169,066 #	\$10,738,078 #	\$10,705,343 #	\$1,645,415 #	\$1,871,860 #	\$2,198,802 #	\$11,334,714 #	\$10,954,816
Total 5 years	2,461,969 0	2,033,263 0	2,000,527 0	1,645,415 0	1,871,860 0	2,198,802 0	2,354,000 #	2,250,000

(2) is from Exhibit GL-3.

(3) is from Exhibit GL-4.

(4) is from Exhibit GL-5.

(5) and (6) are from Exhibit GL-7.

(7) is from Exhibit GL-8.

(8) is based on (2) to (7) and actuarial judgment.



COOK COUNTY, ILLINOIS
GENERAL LIABILITY

Exhibit GL-10

Projected Ultimate Limited Losses for 2014/15 and Subsequent

Claim Period (1)	Projected Ultimate Limited Losses (2)	Revenue (000) (3)	Limited Loss Rate per \$1,000 of Revenue (2)/(3) (4)	Loss Rate Trend (2014/15 = 1.000) (5)	Trended Limited Loss Rate per \$1,000 of Revenue (4)X(5) (6)
2004/05	\$222,376	\$1,189,789	\$0.19	1.480	\$0.28
2005/06	170,347	1,357,723	0.13	1.423	0.18
2006/07	117,830	1,243,144	0.09	1.369	0.13
2007/08	446,995	1,207,801	0.37	1.316	0.49
2008/09	152,107	1,303,812	0.12	1.265	0.15
2009/10	350,000	1,287,986	0.27	1.217	0.33
2010/11	200,000	1,293,078	0.15	1.170	0.18
2011/12	500,000	1,331,769	0.38	1.125	0.42
2012/13	700,000	1,285,791	0.54	1.082	0.59
2013/14	500,000	1,285,791	0.39	1.040	0.40
Total	\$3,359,655	\$12,786,684	\$0.26		\$0.31

Claim Period (1)	Projected Limited Loss Rate per \$1,000 of Revenue (7)	Projected Revenue (000) (8)	Projected Ultimate Limited Losses (7)X(8) (9)	Present Value Factor (10)	Present Value of Projected Limited Loss Rate per \$1,000 of Revenue (7)X(10) (11)	Present Value of Projected Ultimate Limited Losses (8)X(11) (12)
2014/15	\$0.31	\$1,285,791	\$405,000	0.90	\$0.28	\$366,000
2015/16	0.33	1,285,791	421,000	0.90	0.30	380,000
2016/17	0.34	1,285,791	438,000	0.90	0.31	395,000

(2) is from Exhibit GL-9.

(3) for 2004/05, 2005/06, 2006/07, 2007/08, 2008/09, 2009/10, 2010/11, 2011/12 and 2012/13 were provided by the County. Other periods assume a 0% trend.

(5) is based on a 4% trend.

(7) for 2014/15 is based on (6) and actuarial judgment.

(7) for 2015/16 and subsequent are based on 2014/15 plus a 4% trend.

(8) is based on (3) for 2013/14 and a 0% trend.

(10) is based on a 3.4% interest rate and the payout pattern in Exhibit GL-2.



COOK COUNTY, ILLINOIS
GENERAL LIABILITY

Exhibit GL-11

Estimated Outstanding Losses as of November 30, 2014

Claim Period (1)	Limited Paid Losses 11/30/14 (2)	Limited Case Reserves 11/30/14 (3)	Limited Reported Incurred Losses 11/30/14 (4)	Projected Ultimate Limited Losses (5)	Estimated IBNR 11/30/14 (5)-(4) (6)	Estimated Outstanding Losses 11/30/14 (3)+(6) (7)	Present Value Factor (8)	Present Value of Estimated Outstanding Losses 11/30/14 (7)X(8) (9)
to 1994/95	\$2,775,592	\$0	\$2,775,592	\$2,775,592	\$0	\$0	1.00	\$0
1995/96	120,027	0	120,027	120,027	0	0	1.00	0
1996/97	311,221	0	311,221	311,221	0	0	1.00	0
1997/98	1,096,413	0	1,096,413	1,096,413	0	0	1.00	0
1998/99	256,471	0	256,471	256,471	0	0	1.00	0
1999/00	1,636,116	0	1,636,116	1,636,116	0	0	1.00	0
2000/01	692,872	0	692,872	692,872	0	0	1.00	0
2001/02	242,675	0	242,675	242,675	0	0	1.00	0
2002/03	428,613	0	428,613	428,613	0	0	1.00	0
2003/04	35,161	0	35,161	35,161	0	0	1.00	0
2004/05	222,376	0	222,376	222,376	0	0	1.00	0
2005/06	170,347	0	170,347	170,347	0	0	1.00	0
2006/07	117,830	0	117,830	117,830	0	0	1.00	0
2007/08	446,995	0	446,995	446,995	0	0	1.00	0
2008/09	152,107	0	152,107	152,107	0	0	0.98	0
2009/10	204,995	100,000	304,995	350,000	45,006	145,006	0.98	141,391
2010/11	138,548	0	138,548	200,000	61,452	61,452	0.97	59,855
2011/12	39,120	356,750	395,870	500,000	104,130	460,880	0.96	443,800
2012/13	314,265	95,500	409,765	700,000	290,235	385,735	0.95	366,757
2013/14	24,401	110,150	134,551	500,000	365,449	475,599	0.93	442,188
Total	\$9,426,144	\$662,400	\$10,088,544	\$10,954,816	\$866,272	\$1,528,672		\$1,453,991

(2), (3) and (4) are net of specific self insured retention and aggregate retention.

(5) is from Exhibit GL-9.

(8) is based on a 3.4% interest rate and the payout pattern in Exhibit GL-2.



COOK COUNTY, ILLINOIS
GENERAL LIABILITY

Exhibit GL-12

Projected Losses Paid December 1, 2014 to November 30, 2015

Claim Period (1)	Months of Development 11/30/14 (2)	Percent Losses Paid (3)	Months of Development 11/30/15 (4)	Percent Losses Paid (5)	Percent Outstanding Losses Paid 12/1/14 to 11/30/15 [(5)-(3)]/ [100.0%-(3)] (6)	Estimated Outstanding Losses 11/30/14 (7)	Projected Losses Paid (6)X(7) (8)	Estimated Outstanding Losses 11/30/15 (7)-(8) (9)	Present Value Factor (10)	Present Value of Estimated Outstanding Losses 11/30/15 (9)X(10) (11)
to 1994/95	240.0	100.0%	252.0	100.0%	100.0%	\$0	\$0	\$0	1.00	\$0
1995/96	228.0	100.0%	240.0	100.0%	100.0%	0	0	0	1.00	0
1996/97	216.0	100.0%	228.0	100.0%	100.0%	0	0	0	1.00	0
1997/98	204.0	100.0%	216.0	100.0%	100.0%	0	0	0	1.00	0
1998/99	192.0	100.0%	204.0	100.0%	100.0%	0	0	0	1.00	0
1999/00	180.0	100.0%	192.0	100.0%	100.0%	0	0	0	1.00	0
2000/01	168.0	100.0%	180.0	100.0%	100.0%	0	0	0	1.00	0
2001/02	156.0	100.0%	168.0	100.0%	100.0%	0	0	0	1.00	0
2002/03	144.0	100.0%	156.0	100.0%	100.0%	0	0	0	1.00	0
2003/04	132.0	100.0%	144.0	100.0%	100.0%	0	0	0	1.00	0
2004/05	120.0	100.0%	132.0	100.0%	100.0%	0	0	0	1.00	0
2005/06	108.0	100.0%	120.0	100.0%	100.0%	0	0	0	1.00	0
2006/07	96.0	100.0%	108.0	100.0%	100.0%	0	0	0	1.00	0
2007/08	84.0	100.0%	96.0	100.0%	100.0%	0	0	0	1.00	0
2008/09	72.0	98.5%	84.0	100.0%	100.0%	0	0	0	1.00	0
2009/10	60.0	94.3%	72.0	98.5%	74.2%	145,006	107,545	37,461	0.98	36,840
2010/11	48.0	75.4%	60.0	94.3%	76.7%	61,452	47,148	14,304	0.98	13,947
2011/12	36.0	50.3%	48.0	75.4%	50.6%	460,880	233,058	227,822	0.97	221,902
2012/13	24.0	20.5%	36.0	50.3%	37.4%	385,735	144,434	241,301	0.96	232,358
2013/14	12.0	5.4%	24.0	20.5%	16.0%	475,599	76,029	399,570	0.95	379,912
2014/15	0.0	0.0%	12.0	5.4%	5.4%	405,000	21,874	383,126	0.93	356,211
Total						\$1,933,672	\$630,088	\$1,303,584		\$1,241,170

(3) and (5) are from Exhibit GL-2.

(7) to 2013/14 is from Exhibit GL-11. The amount for 2014/15 is from Exhibit GL-10.

(10) is based on a 3.4% interest rate and the payout pattern in Exhibit GL-2.



COOK COUNTY, ILLINOIS
GENERAL LIABILITY

Exhibit GL-13

Projected Losses Paid December 1, 2015 to November 30, 2016

Claim Period (1)	Months of Development 11/30/15 (2)	Percent Losses Paid (3)	Months of Development 11/30/16 (4)	Percent Losses Paid (5)	Percent Outstanding Losses Paid 12/1/15 to 11/30/16 [(5)-(3)]/ [100.0%-(3)] (6)	Estimated Outstanding Losses 11/30/15 (7)	Projected Losses Paid (6)X(7) (8)	Estimated Outstanding Losses 11/30/16 (7)-(8) (9)	Present Value Factor (10)	Present Value of Estimated Outstanding Losses 11/30/16 (9)X(10) (11)
to 1994/95	252.0	100.0%	264.0	100.0%	100.0%	\$0	\$0	\$0	1.00	\$0
1995/96	240.0	100.0%	252.0	100.0%	100.0%	0	0	0	1.00	0
1996/97	228.0	100.0%	240.0	100.0%	100.0%	0	0	0	1.00	0
1997/98	216.0	100.0%	228.0	100.0%	100.0%	0	0	0	1.00	0
1998/99	204.0	100.0%	216.0	100.0%	100.0%	0	0	0	1.00	0
1999/00	192.0	100.0%	204.0	100.0%	100.0%	0	0	0	1.00	0
2000/01	180.0	100.0%	192.0	100.0%	100.0%	0	0	0	1.00	0
2001/02	168.0	100.0%	180.0	100.0%	100.0%	0	0	0	1.00	0
2002/03	156.0	100.0%	168.0	100.0%	100.0%	0	0	0	1.00	0
2003/04	144.0	100.0%	156.0	100.0%	100.0%	0	0	0	1.00	0
2004/05	132.0	100.0%	144.0	100.0%	100.0%	0	0	0	1.00	0
2005/06	120.0	100.0%	132.0	100.0%	100.0%	0	0	0	1.00	0
2006/07	108.0	100.0%	120.0	100.0%	100.0%	0	0	0	1.00	0
2007/08	96.0	100.0%	108.0	100.0%	100.0%	0	0	0	1.00	0
2008/09	84.0	100.0%	96.0	100.0%	100.0%	0	0	0	1.00	0
2009/10	72.0	98.5%	84.0	100.0%	100.0%	37,461	37,461	0	1.00	0
2010/11	60.0	94.3%	72.0	98.5%	74.2%	14,304	10,609	3,695	0.98	3,634
2011/12	48.0	75.4%	60.0	94.3%	76.7%	227,822	174,794	53,028	0.98	51,706
2012/13	36.0	50.3%	48.0	75.4%	50.6%	241,301	122,021	119,280	0.97	116,180
2013/14	24.0	20.5%	36.0	50.3%	37.4%	399,570	149,614	249,956	0.96	240,693
2014/15	12.0	5.4%	24.0	20.5%	16.0%	383,126	61,246	321,880	0.95	306,044
2015/16	0.0	0.0%	12.0	5.4%	5.4%	421,000	22,738	398,262	0.93	370,284
Total						\$1,724,584	\$578,483	\$1,146,101		\$1,088,541

(3) and (5) are from Exhibit GL-2.

(7) to 2014/15 is from Exhibit GL-12, (9). The amount for 2015/16 is from Exhibit GL-10.

(10) is based on a 3.4% interest rate and the payout pattern in Exhibit GL-2.



COOK COUNTY, ILLINOIS
GENERAL LIABILITY

Exhibit GL-14

Projected Losses Paid December 1, 2016 to November 30, 2017

Claim Period (1)	Months of Development 11/30/16 (2)	Percent Losses Paid (3)	Months of Development 11/30/17 (4)	Percent Losses Paid (5)	Percent Outstanding Losses Paid 12/1/16 to 11/30/17 [(5)-(3)]/ [100.0%-(3)] (6)	Estimated Outstanding Losses 11/30/16 (7)	Projected Losses Paid (6)X(7) (8)	Estimated Outstanding Losses 11/30/17 (7)-(8) (9)	Present Value Factor (10)	Present Value of Estimated Outstanding Losses 11/30/17 (9)X(10) (11)
to 1994/95	264.0	100.0%	276.0	100.0%	100.0%	\$0	\$0	\$0	1.00	\$0
1995/96	252.0	100.0%	264.0	100.0%	100.0%	0	0	0	1.00	0
1996/97	240.0	100.0%	252.0	100.0%	100.0%	0	0	0	1.00	0
1997/98	228.0	100.0%	240.0	100.0%	100.0%	0	0	0	1.00	0
1998/99	216.0	100.0%	228.0	100.0%	100.0%	0	0	0	1.00	0
1999/00	204.0	100.0%	216.0	100.0%	100.0%	0	0	0	1.00	0
2000/01	192.0	100.0%	204.0	100.0%	100.0%	0	0	0	1.00	0
2001/02	180.0	100.0%	192.0	100.0%	100.0%	0	0	0	1.00	0
2002/03	168.0	100.0%	180.0	100.0%	100.0%	0	0	0	1.00	0
2003/04	156.0	100.0%	168.0	100.0%	100.0%	0	0	0	1.00	0
2004/05	144.0	100.0%	156.0	100.0%	100.0%	0	0	0	1.00	0
2005/06	132.0	100.0%	144.0	100.0%	100.0%	0	0	0	1.00	0
2006/07	120.0	100.0%	132.0	100.0%	100.0%	0	0	0	1.00	0
2007/08	108.0	100.0%	120.0	100.0%	100.0%	0	0	0	1.00	0
2008/09	96.0	100.0%	108.0	100.0%	100.0%	0	0	0	1.00	0
2009/10	84.0	100.0%	96.0	100.0%	100.0%	0	0	0	1.00	0
2010/11	72.0	98.5%	84.0	100.0%	100.0%	3,695	3,695	0	1.00	0
2011/12	60.0	94.3%	72.0	98.5%	74.2%	53,028	39,329	13,699	0.98	13,472
2012/13	48.0	75.4%	60.0	94.3%	76.7%	119,280	91,516	27,764	0.98	27,072
2013/14	36.0	50.3%	48.0	75.4%	50.6%	249,956	126,398	123,558	0.97	120,347
2014/15	24.0	20.5%	36.0	50.3%	37.4%	321,880	120,524	201,356	0.96	193,894
2015/16	12.0	5.4%	24.0	20.5%	16.0%	398,262	63,666	334,596	0.95	318,134
2016/17	0.0	0.0%	12.0	5.4%	5.4%	438,000	23,656	414,344	0.93	385,236
Total						\$1,584,101	\$468,784	\$1,115,317		\$1,058,155

(3) and (5) are from Exhibit GL-2.

(7) to 2015/16 is from Exhibit GL-13, (9). The amount for 2016/17 is from Exhibit GL-10.

(10) is based on a 3.4% interest rate and the payout pattern in Exhibit GL-2.



COOK COUNTY, ILLINOIS
GENERAL LIABILITY

Exhibit GL-15

List of Large Claims
Reported Incurred Losses Greater Than \$250,000

Claim Number (1)	Date of Loss (2)	Claim Period (3)	Specific Self-Insured Retention (4)	Unlimited Paid Losses 11/30/14 (5)	Unlimited Case Reserves 11/30/14 (6)	Unlimited Reported Incurred Losses 11/30/14 (7)
97003515	6/9/2000	1999/00	Unlimited	\$925,000	\$0	\$925,000
97010169	6/23/2012	2011/12	10,000,000	0	300,000	300,000

Amounts are gross of excess insurance.

The claim(s) indicated by a "*" have been limited in development.

(1) through (7) were provided by the County.



COOK COUNTY, ILLINOIS
AUTOMOBILE LIABILITY

Exhibit AL-1 (page 1)

Data Summary as of November 30, 2014
Losses Limited to Self-Insured Retention

Claim Period (1)	Specific Self-Insured Retention (2)	Aggregate Retention (3)	Months of Development 11/30/14 (4)	Vehicles (5)	Reported Claims 11/30/14 (6)	Open Claims 11/30/14 (7)	Limited Paid Losses 11/30/14 (8)	Limited Case Reserves 11/30/14 (9)	Limited Reported Incurred Losses 11/30/14 (10)
to 1994/95	See Note	None	240.0	Not Provided	22	0	\$3,550,750	\$0	\$3,550,750
1995/96	Unlimited	None	228.0	Not Provided	20	0	266,195	0	266,195
1996/97	Unlimited	None	216.0	Not Provided	38	0	119,841	0	119,841
1997/98	Unlimited	None	204.0	Not Provided	91	0	187,959	0	187,959
1998/99	Unlimited	None	192.0	Not Provided	104	0	479,494	0	479,494
1999/00	Unlimited	None	180.0	Not Provided	93	0	559,093	0	559,093
2000/01	9,500,000	40,000,000	168.0	Not Provided	93	0	9,770,712	0	9,770,712
2001/02	9,500,000	40,000,000	156.0	2,283	80	0	2,497,705	0	2,497,705
2002/03	9,500,000	45,000,000	144.0	2,283	58	0	213,389	0	213,389
2003/04	10,000,000	None	132.0	1,997	81	0	385,312	0	385,312
2004/05	10,000,000	25,000,000	120.0	1,997	72	0	2,832,890	0	2,832,890
2005/06	10,000,000	25,000,000	108.0	1,780	65	0	171,088	0	171,088
2006/07	10,000,000	25,000,000	96.0	Not Provided	72	0	634,042	0	634,042
2007/08	10,000,000	25,000,000	84.0	Not Provided	57	0	128,155	0	128,155
2008/09	10,000,000	25,000,000	72.0	Not Provided	44	0	173,300	0	173,300
2009/10	10,000,000	25,000,000	60.0	Not Provided	55	3	103,345	6,870,000	6,973,345
2010/11	10,000,000	25,000,000	48.0	2,071	61	0	808,599	0	808,599
2011/12	10,000,000	25,000,000	36.0	1,837	67	4	156,959	605,000	761,959
2012/13	15,000,000	25,000,000	24.0	1,892	49	7	102,785	231,500	334,285
2013/14	15,000,000	25,000,000	12.0	1,921	69	43	77,613	662,750	740,363
Total					1,291	57	\$23,219,226	\$8,369,250	\$31,588,476

* The specific self-insured retention changes are as follows:

Effective Date	Retention
12/01/90	Unlimited
12/01/00	9,500,000
12/01/03	10,000,000
03/01/13	15,000,000

(8), (9) and (10) are net of the specific self-insured retention and other recoveries.

Data was provided by the County.



COOK COUNTY, ILLINOIS
AUTOMOBILE LIABILITY

Exhibit AL-1 (page 2)

Data Summary as of November 30, 2014
Unlimited Losses

Claim Period (1)	Specific Self-Insured Retention (2)	Aggregate Retention (3)	Months of Development 11/30/14 (4)	Vehicles (5)	Reported Claims 11/30/14 (6)	Open Claims 11/30/14 (7)	Unlimited Paid Losses 11/30/14 (8)	Unlimited Case Reserves 11/30/14 (9)	Unlimited Reported Incurred Losses 11/30/14 (10)
to 1994/95	Unlimited	None	240.0	Not Provided	22	0	\$3,550,750	\$0	\$3,550,750
1995/96	Unlimited	None	228.0	Not Provided	20	0	266,195	0	266,195
1996/97	Unlimited	None	216.0	Not Provided	38	0	119,841	0	119,841
1997/98	Unlimited	None	204.0	Not Provided	91	0	187,959	0	187,959
1998/99	Unlimited	None	192.0	Not Provided	104	0	479,494	0	479,494
1999/00	Unlimited	None	180.0	Not Provided	93	0	559,093	0	559,093
2000/01	Unlimited	40,000,000	168.0	Not Provided	93	0	9,770,712	0	9,770,712
2001/02	Unlimited	40,000,000	156.0	2,283	80	0	2,497,705	0	2,497,705
2002/03	Unlimited	45,000,000	144.0	2,283	58	0	213,389	0	213,389
2003/04	Unlimited	None	132.0	1,997	81	0	385,312	0	385,312
2004/05	Unlimited	25,000,000	120.0	1,997	72	0	2,832,890	0	2,832,890
2005/06	Unlimited	25,000,000	108.0	1,780	65	0	171,088	0	171,088
2006/07	Unlimited	25,000,000	96.0	Not Provided	72	0	634,042	0	634,042
2007/08	Unlimited	25,000,000	84.0	Not Provided	57	0	128,155	0	128,155
2008/09	Unlimited	25,000,000	72.0	Not Provided	44	0	173,300	0	173,300
2009/10	Unlimited	25,000,000	60.0	Not Provided	55	3	103,345	6,870,000	6,973,345
2010/11	Unlimited	25,000,000	48.0	2,071	61	0	808,599	0	808,599
2011/12	Unlimited	25,000,000	36.0	1,837	67	4	156,959	605,000	761,959
2012/13	Unlimited	25,000,000	24.0	1,892	49	7	102,785	231,500	334,285
2013/14	Unlimited	25,000,000	12.0	1,921	69	43	77,613	662,750	740,363
Total					1,291	57	\$23,219,226	\$8,369,250	\$31,588,476

(8), (9) and (10) are gross of the specific self-insured retention and other recoveries.

Data was provided by the County.



COOK COUNTY, ILLINOIS
AUTOMOBILE LIABILITY

Summary of Percent Losses Paid, Losses Reported and Claims Reported

Months of Development (1)	Percent Losses Paid (2)	Percent Losses Reported (3)	Percent Claims Reported (4)	Months of Development (5)	Percent Losses Paid (6)	Percent Losses Reported (7)	Percent Claims Reported (8)
360.0	100.0%	100.0%	100.0%	354.0	100.0%	100.0%	100.0%
348.0	100.0%	100.0%	100.0%	342.0	100.0%	100.0%	100.0%
336.0	100.0%	100.0%	100.0%	330.0	100.0%	100.0%	100.0%
324.0	100.0%	100.0%	100.0%	318.0	100.0%	100.0%	100.0%
312.0	100.0%	100.0%	100.0%	306.0	100.0%	100.0%	100.0%
300.0	100.0%	100.0%	100.0%	294.0	100.0%	100.0%	100.0%
288.0	100.0%	100.0%	100.0%	282.0	100.0%	100.0%	100.0%
276.0	100.0%	100.0%	100.0%	270.0	100.0%	100.0%	100.0%
264.0	100.0%	100.0%	100.0%	258.0	100.0%	100.0%	100.0%
252.0	100.0%	100.0%	100.0%	246.0	100.0%	100.0%	100.0%
240.0	100.0%	100.0%	100.0%	234.0	100.0%	100.0%	100.0%
228.0	100.0%	100.0%	100.0%	222.0	100.0%	100.0%	100.0%
216.0	100.0%	100.0%	100.0%	210.0	100.0%	100.0%	100.0%
204.0	100.0%	100.0%	100.0%	198.0	100.0%	100.0%	100.0%
192.0	100.0%	100.0%	100.0%	186.0	100.0%	100.0%	100.0%
180.0	100.0%	100.0%	100.0%	174.0	100.0%	100.0%	100.0%
168.0	100.0%	100.0%	100.0%	162.0	100.0%	100.0%	100.0%
156.0	100.0%	100.0%	100.0%	150.0	100.0%	100.0%	100.0%
144.0	100.0%	100.0%	100.0%	138.0	100.0%	100.0%	100.0%
132.0	100.0%	100.0%	100.0%	126.0	100.0%	100.0%	100.0%
120.0	100.0%	100.0%	100.0%	114.0	100.0%	100.0%	100.0%
108.0	100.0%	100.0%	100.0%	102.0	100.0%	100.0%	100.0%
96.0	100.0%	100.0%	100.0%	90.0	99.5%	100.0%	100.0%
84.0	99.0%	100.0%	100.0%	78.0	98.0%	100.0%	100.0%
72.0	97.1%	100.0%	100.0%	66.0	94.8%	99.5%	100.0%
60.0	92.4%	99.0%	100.0%	54.0	89.2%	97.6%	100.0%
48.0	86.0%	96.1%	100.0%	42.0	79.6%	90.8%	100.0%
36.0	73.2%	85.4%	100.0%	30.0	59.5%	75.6%	100.0%
24.0	45.7%	65.7%	100.0%	18.0	30.6%	51.9%	99.0%
12.0	15.5%	38.1%	98.0%	6.0	7.8%	19.1%	49.0%

(2) is from Exhibit AL-2 (page 2).

(3) is from Exhibit AL-2 (page 3).

(4) is from Exhibit AL-2 (page 4).

(6), (7) and (8) are interpolated, based on (2), (3) and (4), respectively.



COOK COUNTY, ILLINOIS
AUTOMOBILE LIABILITY

Historical Limited Paid Losses (\$000) and Limited Paid Loss Development

Claim Period	Months of Development:							Months of Development:							Months of Development:						
	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204	216	228	240	
to 1994/05					\$3,000	\$3,465	\$3,521	\$3,546	\$3,547	\$3,549	\$3,549	\$3,549	\$3,549	\$3,549	\$3,549	\$3,551	\$3,551	\$3,551	\$3,551	\$3,551	
1995/06	23	66	116	171	236	236	266	266	266	266	266	266	266	266	266	266	266	266	266	266	
1996/07	24	71	90	113	113	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	
1997/08	47	114	165	177	188	188	188	188	188	188	188	188	188	188	188	188	188	188	188	188	
1998/09	49	174	326	447	473	479	479	479	479	479	479	479	479	479	479	479	479	479	479	479	
1999/00	57	137	196	221	406	559	559	559	559	559	559	559	559	559	559	559	559	559	559	559	
2000/01	38	192	253	266	6,021	6,021	6,021	6,021	6,021	6,021	6,021	6,021	6,021	6,021	6,021	6,021	6,021	6,021	6,021	6,021	
2001/02	32	143	181	217	857	857	2,498	2,498	2,498	2,498	2,498	2,498	2,498	2,498	2,498	2,498	2,498	2,498	2,498	2,498	
2002/03	23	76	125	178	213	213	213	213	213	213	213	213	213	213	213	213	213	213	213	213	
2003/04	50	141	246	256	355	355	355	355	355	355	355	355	355	355	355	355	355	355	355	355	
2004/05	61	159	353	2,333	2,833	2,833	2,833	2,833	2,833	2,833	2,833	2,833	2,833	2,833	2,833	2,833	2,833	2,833	2,833	2,833	
2005/06	61	136	164	171	171	171	171	171	171	171	171	171	171	171	171	171	171	171	171	171	
2006/07	33	96	200	234	234	234	234	234	234	234	234	234	234	234	234	234	234	234	234	234	
2007/08	30	78	101	122	122	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	
2008/09	43	73	163	173	173	173	173	173	173	173	173	173	173	173	173	173	173	173	173	173	
2009/10	19	67	95	103	103	103	103	103	103	103	103	103	103	103	103	103	103	103	103	103	
2010/11	42	132	234	809																	
2011/12	40	125	157																		
2012/13	35	103																			
2013/14	78																				

II. Limited Paid Loss Development

Claim Period	Months of Development:			Months of Development:			Months of Development:			Months of Development:			Months of Development:			Months of Development:			Months of Development:		
	12-24	24-36	36-48	48-60	60-72	72-84	84-96	96-108	108-120	120-132	132-144	144-156	156-168	168-180	180-192	192-204	204-216	216-228	228-240	240-Ult	
to 1994/05					1.155	1.016	1.007	1.000	1.000	1.000	1.000	1.000	1.000	1.001	1.000	1.000	1.000	1.000	1.000	1.000	
1995/06	2,817	1,758	1,473	1,380	1,155	1,127	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
1996/07	2,970	1,255	1,264	1,057	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
1997/08	2,416	1,449	1,079	1,059	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
1998/09	3,541	1,862	1,369	1,059	1,013	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
1999/00	2,406	1,426	1,125	1,840	1,377	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
2000/01	5,114	1,318	1,050	1,000	22,649	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
2001/02	4,491	1,271	1,199	3,944	1,000	2,914	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
2002/03	3,262	1,645	1,423	1,196	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
2003/04	2,809	1,749	1,039	1,387	1,000	1,000	1,084	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
2004/05	2,605	2,220	6,611	1,214	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
2005/06	2,228	1,210	1,042	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
2006/07	2,932	2,087	1,170	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
2007/08	2,650	2,087	1,209	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
2008/09	1,698	2,250	1,061	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
2009/10	3,603	3,124	1,090	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
2010/11	3,121	1,765	3,461	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
2011/12	3,121	1,259																			
2012/13	2,905																				
2013/14																					
Average All	3,038	1,603	1,667	1,339	2,487	1,147	1,139	1,000	1,000	1,000	1,069	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
Wtd 3	3,057	1,496	2,207	1,000	1,011	1,000	1,124	1,000	1,000	1,000	1,429	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
Last 3	3,050	1,477	1,871	1,000	1,016	1,000	1,570	1,000	1,000	1,000	1,208	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
Last 5 x-til low	3,050	1,489	1,156	1,000	1,000	1,000	1,028	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
Similar Previous	2,135	1,443	1,234	1,112	1,048	1,021	1,010	1,004	1,002	1,010	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
Selected Cumulative Percent	2,950	1,600	1,175	1,075	1,050	1,020	1,010	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
	6,449	2,186	1,366	1,163	1,092	1,030	1,010	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
	15.5%	45.7%	73.2%	86.0%	92.4%	97.1%	99.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	

Amounts are limited (net of excess insurance).

Data was provided by the County.



COOK COUNTY, ILLINOIS
AUTOMOBILE LIABILITY

Historical Limited Reported Incurred Losses (\$000) and Limited Reported Incurred Loss Development

I. Historical Limited Reported Incurred Losses (\$000)

Claim Period	Months of Development:																				
	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204	216	228	240	
to 1994/05					\$3,381	\$3,818	\$3,546	\$3,548	\$4,349	\$3,549	\$3,549	\$3,549	\$3,549	\$3,552	\$3,551	\$3,551	\$3,551	\$3,551	\$3,551	\$3,551	\$3,551
1995/06	301	384	373	316	311	286	266	266	266	266	266	266	266	266	266	266	266	266	266	266	266
1996/07	285	1,113	133	133	133	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120
1997/08	224	280	450	285	253	188	188	188	188	188	188	188	188	188	188	188	188	188	188	188	188
1998/09	290	631	701	634	568	479	479	479	479	479	479	479	479	479	479	479	479	479	479	479	479
1999/00	278	312	416	469	607	559	559	559	559	559	559	559	559	559	559	559	559	559	559	559	559
2000/01	2,168	2,406	2,873	3,025	9,780	26,021	14,021	14,021	14,021	14,021	14,021	14,021	14,021	14,021	14,021	14,021	14,021	14,021	14,021	14,021	14,021
2001/02	233	422	1,333	2,188	3,307	5,307	2,498	2,498	2,498	2,498	2,498	2,498	2,498	2,498	2,498	2,498	2,498	2,498	2,498	2,498	2,498
2002/03	246	488	320	238	213	221	213	213	213	213	213	213	213	213	213	213	213	213	213	213	213
2003/04	163	361	339	571	505	405	455	385	385	385	385	385	385	385	385	385	385	385	385	385	385
2004/05	277	614	2,824	2,833	2,833	2,833	2,833	2,833	2,833	2,833	2,833	2,833	2,833	2,833	2,833	2,833	2,833	2,833	2,833	2,833	2,833
2005/06	204	250	207	171	171	171	171	171	171	171	171	171	171	171	171	171	171	171	171	171	171
2006/07	160	263	633	834	834	834	834	834	834	834	834	834	834	834	834	834	834	834	834	834	834
2007/08	91	155	131	122	130	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128
2008/09	132	164	173	173	173	173	173	173	173	173	173	173	173	173	173	173	173	173	173	173	173
2009/10	618	381	2,725	6,473	6,973																
2010/11	229	380	514	809																	
2011/12	166	363	762																		
2012/13	213	334																			
2013/14	740																				

II. Limited Reported Incurred Loss Development

Claim Period	Months of Development:																				
	12-24	24-36	36-48	48-60	60-72	72-84	84-96	96-108	108-120	120-132	132-144	144-156	156-168	168-180	180-192	192-204	204-216	216-228	228-240	240-Ult	
to 1994/05					1,130	0,929	1,001	1,226	0,816	1,000	1,000	1,000	1,001	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
1995/06	1,277	0,970	0,848	0,984	0,920	0,930	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
1996/07	3,907	0,107	1,115	1,000	0,899	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
1997/08	1,291	1,554	0,634	0,886	0,743	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
1998/09	2,170	1,113	0,904	0,861	0,859	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
1999/00	1,123	1,332	1,176	1,241	0,922	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
2000/01	1,100	1,194	1,053	3,233	2,661	1,000	1,000	0,897	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
2001/02	1,813	3,158	1,642	1,511	1,605	0,471	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
2002/03	1,984	0,656	0,744	0,885	1,035	0,966	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
2003/04	2,215	4,596	1,003	0,825	0,802	1,123	0,846	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
2004/05	2,215	4,596	1,003	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
2005/06	1,229	0,825	1,319	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
2006/07	1,645	2,402	1,319	1,000	1,000	1,180	0,644	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
2007/08	1,704	0,847	0,933	1,061	0,986	1,000															
2008/09	1,246	1,123	0,940	1,000	1,000																
2009/10	0,617	7,154	2,376	1,077																	
2010/11	1,659	1,353	1,574																		
2011/12	2,187	2,098																			
2012/13	1,572																				
2013/14																					

Average All
Wtd 3
Last 3
Last 5
x-tiltlow

Similar	1,388	1,152	1,072	1,030	1,011	1,005	1,002	1,001	1,001	1,005	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
Previous	1,750	1,225	1,100	1,030	1,010	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
Selected	1,725	1,300	1,125	1,030	1,010	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
Cumulative	2,624	1,521	1,170	1,040	1,010	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
Percent	36.1%	65.7%	85.4%	96.1%	99.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Amounts are limited (net of excess insurance).
Data was provided by the County.



COOK COUNTY, ILLINOIS
AUTOMOBILE LIABILITY

Historical Reported Claims and Reported Claim Development

Claim Period	Months of Development:																				
	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204	216	228	240	
to 1994/95																					
1995/96			23	21	21	20	20	22	23	22	22	22	22	22	22	22	22	22	22	22	22
1996/97		38	36	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38
1997/98	88	99	94	94	93	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91
1998/99	119	110	108	104	105	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104
1999/00	90	89	94	93	93	93	93	93	93	93	93	93	93	93	93	93	93	93	93	93	93
2000/01	112	94	94	93	93	93	93	93	93	93	93	93	93	93	93	93	93	93	93	93	93
2001/02	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80
2002/03	53	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58
2003/04	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81
2004/05	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65
2005/06	59	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72
2006/07	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57
2007/08	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57
2008/09	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44
2009/10	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55
2010/11	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61
2011/12	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67
2012/13	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49
2013/14	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69

II. Reported Claim Development

Claim Period	Months of Development:												240-Ult								
	12-24	24-36	36-48	48-60	60-72	72-84	84-96	96-108	108-120	120-132	132-144	144-156		156-168	168-180	180-192	192-204	204-216	216-228	228-240	
to 1994/95																					
1995/96			0.913	1.000	0.952	1.000	1.000	1.045	0.957	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
1996/97		1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
1997/98	1.125	0.970	0.979	0.969	0.978	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
1998/99	0.924	0.982	0.963	1.010	0.990	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
1999/00	0.989	1.056	0.989	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
2000/01	0.839	1.000	0.989	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
2001/02	1.094	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
2002/03	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
2003/04	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
2004/05	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
2005/06	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
2006/07	1.220	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
2007/08	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
2008/09	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
2009/10	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
2010/11	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
2011/12	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
2012/13	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
2013/14	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
Average All	1.012	1.000	0.990	1.000	0.994	1.000	1.000	1.004	0.996	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
Wtd 3	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
Last 3	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
Last 5 x-Hi/Low	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
Similar	1.020	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
Selected	1.020	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
Cumulative	1.020	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
Percent	98.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Data was provided by the County.



COOK COUNTY, ILLINOIS
AUTOMOBILE LIABILITY

Historical Ratio of Limited Paid Losses and Limited Reported Incurred Losses

Claim Period	Months of Development:																					
	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204	216	228	240		
to 1994/05																						
1995/06	7.8%	17.2%	31.2%	54.1%	88.7%	90.8%	99.3%	99.9%	81.6%	100.0%	100.0%	100.0%	100.0%	99.9%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	
1996/07	8.4%	6.4%	74.9%	85.0%	75.6%	82.5%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	
1997/08	20.3%	39.2%	36.6%	62.2%	84.3%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	
1998/09	16.9%	27.5%	46.5%	70.5%	84.8%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	
1999/00	20.6%	44.1%	47.2%	45.2%	66.9%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	
2000/01	1.7%	8.0%	8.6%	8.8%	2.7%	23.1%	23.1%	42.9%	61.6%	61.6%	61.6%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	
2001/02	13.6%	33.8%	13.6%	9.9%	25.9%	16.1%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	
2002/03	9.5%	15.6%	39.1%	74.8%	100.0%	96.6%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	
2003/04	30.8%	38.0%	72.7%	44.8%	70.3%	87.7%	78.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	
2004/05	22.0%	25.9%	12.5%	82.4%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	
2005/06	29.9%	54.2%	78.3%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	
2006/07	20.4%	36.4%	31.6%	28.1%	28.1%	28.1%	23.8%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	
2007/08	32.5%	50.5%	77.1%	100.0%	94.2%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	
2008/09	32.5%	44.2%	88.6%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	
2009/10	3.0%	17.7%	3.5%	1.6%	1.5%	1.5%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	
2010/11	18.5%	34.9%	45.5%	100.0%																		
2011/12	24.1%	34.3%	45.5%	100.0%																		
2012/13	16.6%	30.7%	20.6%																			
2013/14	10.5%																					
Average																						
All	17.9%	31.1%	42.9%	60.5%	68.6%	81.7%	87.4%	95.6%	95.3%	96.5%	96.2%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	
Last 3	17.1%	33.3%	23.2%	67.2%	65.2%	76.0%	74.6%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	
Last 5	15.2%	33.3%	47.7%	76.0%	74.1%	100.0%	92.7%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	
x-high																						
Implicit	40.7%	69.6%	85.7%	89.5%	93.4%	97.1%	99.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	



COOK COUNTY, ILLINOIS
AUTOMOBILE LIABILITY

Exhibit AL-3

Developed Limited Paid Losses

Claim Period (1)	Months of Development 11/30/14 (2)	Limited Paid Losses 11/30/14 (3)	Percent Losses Paid (4)	Developed Limited Paid Losses (3)/(4) (5)
to 1994/95	240.0	\$3,550,750	100.0%	\$3,550,750
1995/96	228.0	266,195	100.0%	266,195
1996/97	216.0	119,841	100.0%	119,841
1997/98	204.0	187,959	100.0%	187,959
1998/99	192.0	479,494	100.0%	479,494
1999/00	180.0	559,093	100.0%	559,093
2000/01	168.0	9,770,712	100.0%	9,770,712
2001/02	156.0	2,497,705	100.0%	2,497,705
2002/03	144.0	213,389	100.0%	213,389
2003/04	132.0	385,312	100.0%	385,312
2004/05	120.0	2,832,890	100.0%	2,832,890
2005/06	108.0	171,088	100.0%	171,088
2006/07	96.0	634,042	100.0%	634,042
2007/08	84.0	128,155	99.0%	129,437
2008/09	72.0	173,300	97.1%	178,533
2009/10	60.0	103,345	92.4%	111,789
2010/11	48.0	808,599	86.0%	940,270
2011/12	36.0	156,959	73.2%	214,459
2012/13	24.0	102,785	45.7%	224,702
2013/14	12.0	77,613	15.5%	500,533

(3) is from Exhibit AL-1.

(4) is from Exhibit AL-2.



COOK COUNTY, ILLINOIS
AUTOMOBILE LIABILITY

Exhibit AL-4

Developed Limited Reported Incurred Losses

Claim Period (1)	Months of Development 11/30/14 (2)	Limited Reported Incurred Losses 11/30/14 (3)	Percent Losses Reported (4)	Developed Limited Reported Incurred Losses (3)/(4) (5)
to 1994/95	240.0	\$3,550,750	100.0%	\$3,550,750
1995/96	228.0	266,195	100.0%	266,195
1996/97	216.0	119,841	100.0%	119,841
1997/98	204.0	187,959	100.0%	187,959
1998/99	192.0	479,494	100.0%	479,494
1999/00	180.0	559,093	100.0%	559,093
2000/01	168.0	9,770,712	100.0%	9,770,712
2001/02	156.0	2,497,705	100.0%	2,497,705
2002/03	144.0	213,389	100.0%	213,389
2003/04	132.0	385,312	100.0%	385,312
2004/05	120.0	2,832,890	100.0%	2,832,890
2005/06	108.0	171,088	100.0%	171,088
2006/07	96.0	634,042	100.0%	634,042
2007/08	84.0	128,155	100.0%	128,155
2008/09	72.0	173,300	100.0%	173,300
2009/10	60.0	6,973,345	99.0%	7,043,078
2010/11	48.0	808,599	96.1%	841,186
2011/12	36.0	761,959	85.4%	891,750
2012/13	24.0	334,285	65.7%	508,594
2013/14	12.0	740,363	38.1%	1,943,069

(3) is from Exhibit AL-1.

(4) is from Exhibit AL-2.



COOK COUNTY, ILLINOIS
AUTOMOBILE LIABILITY

Exhibit AL-5

Developed Limited Case Reserves

Claim Period (1)	Months of Development 11/30/14 (2)	Percent Losses Paid (3)	Percent Losses Reported (4)	Percent Losses Reserved 11/30/14 [(4)-(3)]/ [100.0%-(3)] (5)	Limited Paid Losses 11/30/14 (6)	Limited Case Reserves 11/30/14 (7)	Developed Limited Case Reserves (6)+(7)/(5) (8)
to 1994/95	240.0	100.0%	100.0%	100.0%	\$3,550,750	\$0	\$3,550,750
1995/96	228.0	100.0%	100.0%	100.0%	266,195	0	266,195
1996/97	216.0	100.0%	100.0%	100.0%	119,841	0	119,841
1997/98	204.0	100.0%	100.0%	100.0%	187,959	0	187,959
1998/99	192.0	100.0%	100.0%	100.0%	479,494	0	479,494
1999/00	180.0	100.0%	100.0%	100.0%	559,093	0	559,093
2000/01	168.0	100.0%	100.0%	100.0%	9,770,712	0	9,770,712
2001/02	156.0	100.0%	100.0%	100.0%	2,497,705	0	2,497,705
2002/03	144.0	100.0%	100.0%	100.0%	213,389	0	213,389
2003/04	132.0	100.0%	100.0%	100.0%	385,312	0	385,312
2004/05	120.0	100.0%	100.0%	100.0%	2,832,890	0	2,832,890
2005/06	108.0	100.0%	100.0%	100.0%	171,088	0	171,088
2006/07	96.0	100.0%	100.0%	100.0%	634,042	0	634,042
2007/08	84.0	99.0%	100.0%	100.0%	128,155	0	128,155
2008/09	72.0	97.1%	100.0%	100.0%	173,300	0	173,300
2009/10	60.0	92.4%	99.0%	86.9%	103,345	6,870,000	8,009,650
2010/11	48.0	86.0%	96.1%	72.3%	808,599	0	808,599
2011/12	36.0	73.2%	85.4%	45.7%	156,959	605,000	1,480,370
2012/13	24.0	45.7%	65.7%	36.8%	102,785	231,500	731,301
2013/14	12.0	15.5%	38.1%	26.7%	77,613	662,750	2,555,776

(3) and (4) are from Exhibit AL-2.

(6) and (7) are from Exhibit AL-1.



COOK COUNTY, ILLINOIS
AUTOMOBILE LIABILITY

Exhibit AL-6

Preliminary Projected Ultimate Limited Losses to 2013/14

Claim Period (1)	Developed Limited Paid Losses (2)	Developed Limited Reported Incurred Losses (3)	Developed Limited Case Reserves (4)	Preliminary Projected Ultimate Limited Losses (5)
to 1994/95	\$3,550,750	\$3,550,750	\$3,550,750	\$3,550,750
1995/96	266,195	266,195	266,195	266,195
1996/97	119,841	119,841	119,841	119,841
1997/98	187,959	187,959	187,959	187,959
1998/99	479,494	479,494	479,494	479,494
1999/00	559,093	559,093	559,093	559,093
2000/01	9,770,712	9,770,712	9,770,712	9,770,712
2001/02	2,497,705	2,497,705	2,497,705	2,497,705
2002/03	213,389	213,389	213,389	213,389
2003/04	385,312	385,312	385,312	385,312
2004/05	2,832,890	2,832,890	2,832,890	2,832,890
2005/06	171,088	171,088	171,088	171,088
2006/07	634,042	634,042	634,042	634,042
2007/08	129,437	128,155	128,155	128,155
2008/09	178,533	173,300	173,300	173,300
2009/10	111,789	7,043,078	8,009,650	7,660,345
2010/11	940,270	841,186	808,599	808,599
2011/12	214,459	891,750	1,480,370	991,740
2012/13	224,702	508,594	731,301	540,898
2013/14	500,533	1,943,069	2,555,776	1,899,645

(2) is from Exhibit AL-3.

(3) is from Exhibit AL-4.

(4) is from Exhibit AL-5.

(5) is based on (2) to (4) and actuarial judgment.



Bornhuetter - Ferguson Analysis

I. A-priori Loss Rate

Claim Period (1)	Preliminary Projected Ultimate Limited Losses (2)	Vehicles (3)	Limited Loss Rate per Vehicle (2)/(3) (4)	Loss Rate Trend (2014/15 = 1.000) (5)	Trended Limited Loss Rate per Vehicle (4)X(5) (6)	Projected A-priori Loss Rate per Vehicle (7)/(5) (8)
2004/05	\$2,832,890	1,997	\$1,418.57	1.411	\$2,001.04	\$559.66
2005/06	171,088	1,780	96.12	1.363	131.00	579.25
2006/07	634,042	1,926	329.29	1.317	433.61	599.52
2007/08	128,155	1,926	66.56	1.272	84.68	620.50
2008/09	173,300	1,926	90.00	1.229	110.64	642.22
2009/10	7,660,345	1,926	3,978.37	1.188	4,725.05	664.70
2010/11	808,599	2,071	390.44	1.148	448.04	687.96
2011/12	991,740	1,837	539.87	1.109	598.56	712.04
2012/13	540,898	1,892	285.89	1.071	306.25	736.97
2013/14	1,899,645	1,921	988.88	1.035	1,023.49	762.76

(7) Projected 2014/15 a-priori loss rate per Vehicle

\$789.46

II. Bornhuetter - Ferguson Analysis Based on Limited Paid Losses

Claim Period (1)	Limited Paid Losses 11/30/14 (2)	Percent Losses Paid (3)	Projected A-priori Loss Rate per Vehicle (4)	Vehicles (5)	B-F Unpaid Losses [100.0%-(3)] X(4)X(5) (6)	B-F Ultimate Limited Paid Losses (2)+(6) (7)
2009/10	\$103,345	92.4%	\$664.70	1,926	\$96,679	\$200,024
2010/11	808,599	86.0%	687.96	2,071	199,519	1,008,118
2011/12	156,959	73.2%	712.04	1,837	350,701	507,660
2012/13	102,785	45.7%	736.97	1,892	756,529	859,314
2013/14	77,613	15.5%	762.76	1,921	1,238,056	1,315,669

III. Bornhuetter - Ferguson Analysis Based on Limited Reported Incurred Losses

Claim Period (1)	Limited Reported Incurred Losses 11/30/14 (2)	Percent Losses Reported (3)	Projected A-priori Loss Rate per Vehicle (4)	Vehicles (5)	B-F Unreported Losses [100.0%-(3)] X(4)X(5) (6)	B-F Ultimate Limited Reported Losses (2)+(6) (7)
2009/10	\$6,973,345	99.0%	\$664.70	1,926	\$12,672	\$6,986,017
2010/11	808,599	96.1%	687.96	2,071	55,194	863,793
2011/12	761,959	85.4%	712.04	1,837	190,377	952,337
2012/13	334,285	65.7%	736.97	1,892	477,878	812,163
2013/14	740,363	38.1%	762.76	1,921	906,955	1,647,318

Section I, (2) is from Exhibit AL-6.

Section I, (3), Section II, (5) and Section III, (5) are from Exhibit AL-10.

Section I, (5) is based on a 3.5% trend.

Section I, (7) is based on Section I, (6) and actuarial judgment.

Sections II and III, (2) are from Exhibit AL-1.

Sections II and III, (3) are from Exhibit AL-2.

Sections II and III, (4) are from Section I, (8).



Frequency Times Severity Analysis

I. Projected Ultimate Claims

Claim Period (1)	Months of Development 11/30/14 (2)	Reported Claims 11/30/14 (3)	Percent Claims Reported (4)	Projected Ultimate Claims (3)/(4) (5)	Vehicles (6)	Frequency (per Vehicle) (5)/(6) (7)
2004/05	120.0	72	100.0%	72	1,997	0.04
2005/06	108.0	65	100.0%	65	1,780	0.04
2006/07	96.0	72	100.0%	72	1,926	0.04
2007/08	84.0	57	100.0%	57	1,926	0.03
2008/09	72.0	44	100.0%	44	1,926	0.02
2009/10	60.0	55	100.0%	55	1,926	0.03
2010/11	48.0	61	100.0%	61	2,071	0.03
2011/12	36.0	67	100.0%	67	1,837	0.04
2012/13	24.0	49	100.0%	49	1,892	0.03
2013/14	12.0	69	98.0%	70	1,921	0.04

II. Frequency Times Severity

Claim Period (1)	Preliminary Projected Ultimate Limited Losses (2)	Projected Ultimate Claims (3)	Average Severity (2)/(3) (4)	Severity Trend (2014/15 = 1.000) (5)	Trended Average Claim Severity (4)X(5) (6)	De-Trended Projected 2014/15 Average Claim Severity (7)/(5) (8)	Frequency Times Severity (3)X(8) (9)
2004/05	\$2,832,890	72	\$39,346	1.411	\$55,501	\$17,360	\$1,249,896
2005/06	171,088	65	2,632	1.363	3,587	17,967	1,167,871
2006/07	634,042	72	8,806	1.317	11,596	18,596	1,338,920
2007/08	128,155	57	2,248	1.272	2,861	19,247	1,097,077
2008/09	173,300	44	3,939	1.229	4,842	19,921	876,507
2009/10	7,660,345	55	139,279	1.188	165,420	20,618	1,133,981
2010/11	808,599	61	13,256	1.148	15,211	21,339	1,301,707
2011/12	991,740	67	14,802	1.109	16,411	22,086	1,479,785
2012/13	540,898	49	11,039	1.071	11,825	22,859	1,120,109
2013/14	1,899,645	70	27,138	1.035	28,088	23,659	1,656,161
(7) Projected 2014/15 average claim severity						\$24,488	

Section I, (3) is from Exhibit AL-1.

Section I, (4) is from Exhibit AL-2.

Section I, (6) is from Exhibit AL-10.

Section II, (2) is from Exhibit AL-6.

Section II, (3) is from Section I, (5).

Section II, (5) is based on a 3.5% trend.

Section II, (7) is based on (6) and actuarial judgment.



COOK COUNTY, ILLINOIS
AUTOMOBILE LIABILITY

Exhibit AL-9

Projected Ultimate Limited Losses to 2013/14

Claim Period (1)	Developed Limited Paid Losses (2)	Developed Limited Reported Incurred Losses (3)	Developed Limited Case Reserves (4)	B-F Ultimate Limited Paid Losses (5)	B-F Ultimate Limited Reported Losses (6)	Frequency Times Severity (7)	Prior Projected Ultimate Limited Losses (8)	Projected Ultimate Limited Losses (9)
to 1994/95	\$3,550,750	\$3,550,750	\$3,550,750				\$3,550,750	\$3,550,750
1995/96	266,195	266,195	266,195				266,195	266,195
1996/97	119,841	119,841	119,841				119,841	119,841
1997/98	187,959	187,959	187,959				187,959	187,959
1998/99	479,494	479,494	479,494				479,494	479,494
1999/00	559,093	559,093	559,093				559,093	559,093
2000/01	9,770,712	9,770,712	9,770,712				9,770,712	9,770,712
2001/02	2,497,705	2,497,705	2,497,705				2,497,705	2,497,705
2002/03	213,389	213,389	213,389				213,389	213,389
2003/04	385,312	385,312	385,312				385,312	385,312
2004/05	2,832,890	2,832,890	2,832,890				2,832,890	2,832,890
2005/06	171,088	171,088	171,088				171,088	171,088
2006/07	634,042	634,042	634,042				1,025,000	634,042
2007/08	129,437	128,155	128,155				128,155	128,155
2008/09	178,533	173,300	173,300				225,000	173,300
2009/10	111,789	7,043,078	8,009,650	200,024	6,986,017	1,133,981	7,250,000	7,250,000
2010/11	940,270	841,186	808,599	1,008,118	863,793	1,301,707	850,000	900,000
2011/12	214,459	891,750	1,480,370	507,660	952,337	1,479,785	900,000	1,000,000
2012/13	224,702	508,594	731,301	859,314	812,163	1,120,109	1,100,000	1,000,000
2013/14	500,533	1,943,069	2,555,776	1,315,669	1,647,318	1,656,161	1,448,000	1,650,000
Total	\$23,968,193 #	\$33,197,601 #	\$35,555,621 #	\$3,890,785 #	\$11,261,628 #	\$6,691,742 #	\$33,960,583 #	\$33,769,924
Total - Last 5 years	1,991,753 0	11,227,677 0	13,585,696 0	3,890,785 0	11,261,628 0	6,691,742 0	11,548,000 #	11,800,000

(2) is from Exhibit AL-3.

(3) is from Exhibit AL-4.

(4) is from Exhibit AL-5.

(5) and (6) are from Exhibit AL-7.

(7) is from Exhibit AL-8.

(8) is based on (2) to (7) and actuarial judgment.



COOK COUNTY, ILLINOIS
AUTOMOBILE LIABILITY

Exhibit AL-10

Projected Ultimate Limited Losses for 2014/15 and Subsequent

Claim Period (1)	Projected Ultimate Limited Losses (2)	Vehicles (3)	Limited Loss Rate per Vehicle (2)/(3) (4)	Loss Rate Trend (2014/15 = 1.000) (5)	Trended Limited Loss Rate per Vehicle (4)X(5) (6)
2004/05	\$2,832,890	1,997	\$1,418.57	1.411	\$2,001.04
2005/06	171,088	1,780	96.12	1.363	131.00
2006/07	634,042	1,926	329.29	1.317	433.61
2007/08	128,155	1,926	66.56	1.272	84.68
2008/09	173,300	1,926	90.00	1.229	110.64
2009/10	7,250,000	1,926	3,765.26	1.188	4,471.94
2010/11	900,000	2,071	434.57	1.148	498.68
2011/12	1,000,000	1,837	544.37	1.109	603.55
2012/13	1,000,000	1,892	528.54	1.071	566.19
2013/14	1,650,000	1,921	858.93	1.035	888.99
Total	\$15,739,475	19,200	\$819.76		\$979.03

Claim Period (1)	Projected Limited Loss Rate per Vehicle (7)	Projected Vehicles (8)	Projected Ultimate Limited Losses (7)X(8) (9)	Present Value Factor (10)	Present Value of Projected Limited Loss Rate per Vehicle (7)X(10) (11)	Present Value of Projected Ultimate Limited Losses (8)X(11) (12)
2014/15	\$795.19	2,022	\$1,608,000	0.92	\$734.54	\$1,485,000
2015/16	823.02	2,022	1,664,000	0.92	760.25	1,537,000
2016/17	851.83	2,022	1,722,000	0.92	786.86	1,591,000

(2) is from Exhibit AL-9.

(3) for 2004/05, 2005/06, 2010/11, 2011/12, 2012/13 and 2013/14 were provided by the County. Other periods assume a 0% trend.

(5) is based on a 3.5% trend.

(7) for 2014/15 is based on (6) and actuarial judgment.

(7) for 2015/16 and subsequent are based on 2014/15 plus a 3% trend.

(8) to 2014/15 was provided by the County. Other claim periods are based on a 0% trend.

(10) is based on a 3.4% interest rate and the payout pattern in Exhibit AL-2.



COOK COUNTY, ILLINOIS
AUTOMOBILE LIABILITY

Exhibit AL-11

Estimated Outstanding Losses as of November 30, 2014

Claim Period (1)	Limited Paid Losses 11/30/14 (2)	Limited Case Reserves 11/30/14 (3)	Limited Reported Incurred Losses 11/30/14 (4)	Projected Ultimate Limited Losses (5)	Estimated IBNR 11/30/14 (5)-(4) (6)	Estimated Outstanding Losses 11/30/14 (3)+(6) (7)	Present Value Factor (8)	Present Value of Estimated Outstanding Losses 11/30/14 (7)X(8) (9)
to 1994/95	\$3,550,750	\$0	\$3,550,750	\$3,550,750	\$0	\$0	1.00	\$0
1995/96	266,195	0	266,195	266,195	0	0	1.00	0
1996/97	119,841	0	119,841	119,841	0	0	1.00	0
1997/98	187,959	0	187,959	187,959	0	0	1.00	0
1998/99	479,494	0	479,494	479,494	0	0	1.00	0
1999/00	559,093	0	559,093	559,093	0	0	1.00	0
2000/01	9,770,712	0	9,770,712	9,770,712	0	0	1.00	0
2001/02	2,497,705	0	2,497,705	2,497,705	0	0	1.00	0
2002/03	213,389	0	213,389	213,389	0	0	1.00	0
2003/04	385,312	0	385,312	385,312	0	0	1.00	0
2004/05	2,832,890	0	2,832,890	2,832,890	0	0	1.00	0
2005/06	171,088	0	171,088	171,088	0	0	1.00	0
2006/07	634,042	0	634,042	634,042	0	0	1.00	0
2007/08	128,155	0	128,155	128,155	0	0	0.98	0
2008/09	173,300	0	173,300	173,300	0	0	0.97	0
2009/10	103,345	6,870,000	6,973,345	7,250,000	276,655	7,146,655	0.97	6,909,194
2010/11	808,599	0	808,599	900,000	91,401	91,401	0.96	87,498
2011/12	156,959	605,000	761,959	1,000,000	238,041	843,041	0.95	803,700
2012/13	102,785	231,500	334,285	1,000,000	665,715	897,215	0.95	855,103
2013/14	77,613	662,750	740,363	1,650,000	909,637	1,572,387	0.94	1,484,024
Total	\$23,219,226	\$8,369,250	\$31,588,476	\$33,769,924	\$2,181,449	\$10,550,699		\$10,139,519

(2), (3) and (4) are net of specific self insured retention and aggregate retention.

(5) is from Exhibit AL-9.

(8) is based on a 3.4% interest rate and the payout pattern in Exhibit AL-2.



COOK COUNTY, ILLINOIS
AUTOMOBILE LIABILITY

Exhibit AL-12

Projected Losses Paid December 1, 2014 to November 30, 2015

Claim Period (1)	Months of Development 11/30/14 (2)	Percent Losses Paid (3)	Months of Development 11/30/15 (4)	Percent Losses Paid (5)	Percent Outstanding Losses Paid 12/1/14 to 11/30/15 [(5)-(3)]/ [100.0%-(3)] (6)	Estimated Outstanding Losses 11/30/14 (7)	Projected Losses Paid (6)X(7) (8)	Estimated Outstanding Losses 11/30/15 (7)-(8) (9)	Present Value Factor (10)	Present Value of Estimated Outstanding Losses 11/30/15 (9)X(10) (11)
to 1994/95	240.0	100.0%	252.0	100.0%	100.0%	\$0	\$0	\$0	1.00	\$0
1995/96	228.0	100.0%	240.0	100.0%	100.0%	0	0	0	1.00	0
1996/97	216.0	100.0%	228.0	100.0%	100.0%	0	0	0	1.00	0
1997/98	204.0	100.0%	216.0	100.0%	100.0%	0	0	0	1.00	0
1998/99	192.0	100.0%	204.0	100.0%	100.0%	0	0	0	1.00	0
1999/00	180.0	100.0%	192.0	100.0%	100.0%	0	0	0	1.00	0
2000/01	168.0	100.0%	180.0	100.0%	100.0%	0	0	0	1.00	0
2001/02	156.0	100.0%	168.0	100.0%	100.0%	0	0	0	1.00	0
2002/03	144.0	100.0%	156.0	100.0%	100.0%	0	0	0	1.00	0
2003/04	132.0	100.0%	144.0	100.0%	100.0%	0	0	0	1.00	0
2004/05	120.0	100.0%	132.0	100.0%	100.0%	0	0	0	1.00	0
2005/06	108.0	100.0%	120.0	100.0%	100.0%	0	0	0	1.00	0
2006/07	96.0	100.0%	108.0	100.0%	100.0%	0	0	0	1.00	0
2007/08	84.0	99.0%	96.0	100.0%	100.0%	0	0	0	1.00	0
2008/09	72.0	97.1%	84.0	99.0%	66.2%	0	0	0	0.98	0
2009/10	60.0	92.4%	72.0	97.1%	61.2%	7,146,655	4,373,183	2,773,472	0.97	2,697,201
2010/11	48.0	86.0%	60.0	92.4%	46.1%	91,401	42,097	49,304	0.97	47,666
2011/12	36.0	73.2%	48.0	86.0%	47.8%	843,041	402,725	440,316	0.96	421,512
2012/13	24.0	45.7%	36.0	73.2%	50.6%	897,215	453,851	443,364	0.95	422,674
2013/14	12.0	15.5%	24.0	45.7%	35.8%	1,572,387	562,690	1,009,697	0.95	962,305
2014/15	0.0	0.0%	12.0	15.5%	15.5%	1,608,000	249,337	1,358,663	0.94	1,282,311
Total						\$12,158,699	\$6,083,883	\$6,074,816		\$5,833,669

(3) and (5) are from Exhibit AL-2.

(7) to 2013/14 is from Exhibit AL-11. The amount for 2014/15 is from Exhibit AL-10.

(10) is based on a 3.4% interest rate and the payout pattern in Exhibit AL-2.



COOK COUNTY, ILLINOIS
AUTOMOBILE LIABILITY

Exhibit AL-13

Projected Losses Paid December 1, 2015 to November 30, 2016

Claim Period (1)	Months of Development 11/30/15 (2)	Percent Losses Paid (3)	Months of Development 11/30/16 (4)	Percent Losses Paid (5)	Percent Outstanding Losses Paid 12/1/15 to 11/30/16 [(5)-(3)]/ [100.0%-(3)] (6)	Estimated Outstanding Losses 11/30/15 (7)	Projected Losses Paid (6)X(7) (8)	Estimated Outstanding Losses 11/30/16 (7)-(8) (9)	Present Value Factor (10)	Present Value of Estimated Outstanding Losses 11/30/16 (9)X(10) (11)
to 1994/95	252.0	100.0%	264.0	100.0%	100.0%	\$0	\$0	\$0	1.00	\$0
1995/96	240.0	100.0%	252.0	100.0%	100.0%	0	0	0	1.00	0
1996/97	228.0	100.0%	240.0	100.0%	100.0%	0	0	0	1.00	0
1997/98	216.0	100.0%	228.0	100.0%	100.0%	0	0	0	1.00	0
1998/99	204.0	100.0%	216.0	100.0%	100.0%	0	0	0	1.00	0
1999/00	192.0	100.0%	204.0	100.0%	100.0%	0	0	0	1.00	0
2000/01	180.0	100.0%	192.0	100.0%	100.0%	0	0	0	1.00	0
2001/02	168.0	100.0%	180.0	100.0%	100.0%	0	0	0	1.00	0
2002/03	156.0	100.0%	168.0	100.0%	100.0%	0	0	0	1.00	0
2003/04	144.0	100.0%	156.0	100.0%	100.0%	0	0	0	1.00	0
2004/05	132.0	100.0%	144.0	100.0%	100.0%	0	0	0	1.00	0
2005/06	120.0	100.0%	132.0	100.0%	100.0%	0	0	0	1.00	0
2006/07	108.0	100.0%	120.0	100.0%	100.0%	0	0	0	1.00	0
2007/08	96.0	100.0%	108.0	100.0%	100.0%	0	0	0	1.00	0
2008/09	84.0	99.0%	96.0	100.0%	100.0%	0	0	0	1.00	0
2009/10	72.0	97.1%	84.0	99.0%	66.2%	2,773,472	1,836,736	936,736	0.98	921,206
2010/11	60.0	92.4%	72.0	97.1%	61.2%	49,304	30,170	19,134	0.97	18,608
2011/12	48.0	86.0%	60.0	92.4%	46.1%	440,316	202,801	237,515	0.97	229,623
2012/13	36.0	73.2%	48.0	86.0%	47.8%	443,364	211,797	231,567	0.96	221,678
2013/14	24.0	45.7%	36.0	73.2%	50.6%	1,009,697	510,749	498,948	0.95	475,664
2014/15	12.0	15.5%	24.0	45.7%	35.8%	1,358,663	486,207	872,456	0.95	831,506
2015/16	0.0	0.0%	12.0	15.5%	15.5%	1,664,000	258,020	1,405,980	0.94	1,326,968
Total						\$7,738,816	\$3,536,480	\$4,202,336		\$4,025,253

(3) and (5) are from Exhibit AL-2.

(7) to 2014/15 is from Exhibit AL-12, (9). The amount for 2015/16 is from Exhibit AL-10.

(10) is based on a 3.4% interest rate and the payout pattern in Exhibit AL-2.



COOK COUNTY, ILLINOIS
AUTOMOBILE LIABILITY

Exhibit AL-14

Projected Losses Paid December 1, 2016 to November 30, 2017

Claim Period (1)	Months of Development 11/30/16 (2)	Percent Losses Paid (3)	Months of Development 11/30/17 (4)	Percent Losses Paid (5)	Percent Outstanding Losses Paid 12/1/16 to 11/30/17 [(5)-(3)]/ [100.0%-(3)] (6)	Estimated Outstanding Losses 11/30/16 (7)	Projected Losses Paid (6)X(7) (8)	Estimated Outstanding Losses 11/30/17 (7)-(8) (9)	Present Value Factor (10)	Present Value of Estimated Outstanding Losses 11/30/17 (9)X(10) (11)
to 1994/95	264.0	100.0%	276.0	100.0%	100.0%	\$0	\$0	\$0	1.00	\$0
1995/96	252.0	100.0%	264.0	100.0%	100.0%	0	0	0	1.00	0
1996/97	240.0	100.0%	252.0	100.0%	100.0%	0	0	0	1.00	0
1997/98	228.0	100.0%	240.0	100.0%	100.0%	0	0	0	1.00	0
1998/99	216.0	100.0%	228.0	100.0%	100.0%	0	0	0	1.00	0
1999/00	204.0	100.0%	216.0	100.0%	100.0%	0	0	0	1.00	0
2000/01	192.0	100.0%	204.0	100.0%	100.0%	0	0	0	1.00	0
2001/02	180.0	100.0%	192.0	100.0%	100.0%	0	0	0	1.00	0
2002/03	168.0	100.0%	180.0	100.0%	100.0%	0	0	0	1.00	0
2003/04	156.0	100.0%	168.0	100.0%	100.0%	0	0	0	1.00	0
2004/05	144.0	100.0%	156.0	100.0%	100.0%	0	0	0	1.00	0
2005/06	132.0	100.0%	144.0	100.0%	100.0%	0	0	0	1.00	0
2006/07	120.0	100.0%	132.0	100.0%	100.0%	0	0	0	1.00	0
2007/08	108.0	100.0%	120.0	100.0%	100.0%	0	0	0	1.00	0
2008/09	96.0	100.0%	108.0	100.0%	100.0%	0	0	0	1.00	0
2009/10	84.0	99.0%	96.0	100.0%	100.0%	936,736	936,736	0	1.00	0
2010/11	72.0	97.1%	84.0	99.0%	66.2%	19,134	12,672	6,462	0.98	6,355
2011/12	60.0	92.4%	72.0	97.1%	61.2%	237,515	145,340	92,175	0.97	89,640
2012/13	48.0	86.0%	60.0	92.4%	46.1%	231,567	106,655	124,912	0.97	120,762
2013/14	36.0	73.2%	48.0	86.0%	47.8%	498,948	238,350	260,598	0.96	249,469
2014/15	24.0	45.7%	36.0	73.2%	50.6%	872,456	441,327	431,129	0.95	411,010
2015/16	12.0	15.5%	24.0	45.7%	35.8%	1,405,980	503,140	902,840	0.95	860,464
2016/17	0.0	0.0%	12.0	15.5%	15.5%	1,722,000	267,014	1,454,986	0.94	1,373,221
Total						\$5,924,336	\$2,651,234	\$3,273,102		\$3,110,921

(3) and (5) are from Exhibit AL-2.

(7) to 2015/16 is from Exhibit AL-13, (9). The amount for 2016/17 is from Exhibit AL-10.

(10) is based on a 3.4% interest rate and the payout pattern in Exhibit AL-2.



COOK COUNTY, ILLINOIS
AUTOMOBILE LIABILITY

Exhibit AL-15

List of Large Claims
Reported Incurred Losses Greater Than \$250,000

Claim Number (1)	Date of Loss (2)	Claim Period (3)	Specific Self-Insured Retention (4)	Unlimited Paid Losses 11/30/14 (5)	Unlimited Case Reserves 11/30/14 (6)	Unlimited Reported Incurred Losses 11/30/14 (7)
97003499	5/28/2001	2000/01	\$9,500,000	\$3,750,000	\$0	\$3,750,000
97007383	10/9/2007	2006/07	10,000,000	400,000	0	400,000
97008761	1/26/2010	2009/10	10,000,000	0	850,000	850,000
97008566	8/15/2010	2009/10	10,000,000	0	6,000,000	6,000,000
97008845	1/26/2011	2010/11	10,000,000	575,000	0	575,000
97009377	1/12/2012	2011/12	10,000,000	0	450,000	450,000
97011269	12/6/2013	2013/14	15,000,000	0	500,000	500,000

Amounts are gross of excess insurance.

The claim(s) indicated by a "*" have been limited in development.

(1) through (7) were provided by the County.



COOK COUNTY, ILLINOIS
OTHER LIABILITY

Exhibit OL-1 (page 1)

Data Summary as of November 30, 2014
Losses Limited to Self-Insured Retention

Claim Period (1)	Specific Self-Insured Retention (2)	Aggregate Retention (3)	Months of Development 11/30/14 (4)	Revenue (000) (5)	Reported Claims 11/30/14 (6)	Open Claims 11/30/14 (7)	Limited Paid Losses 11/30/14 (8)	Limited Case Reserves 11/30/14 (9)	Limited Reported Incurred Losses 11/30/14 (10)
to 1994/95	See Note	None	240.0	Not Provided	N/A	1	\$36,847,128	\$1,000,000	\$37,847,128
1995/96	Unlimited	None	228.0	827,195	83	2	3,091,169	1,501,000	4,592,169
1996/97	Unlimited	None	216.0	911,921	69	0	1,556,926	0	1,556,926
1997/98	Unlimited	None	204.0	953,497	61	0	2,765,368	0	2,765,368
1998/99	Unlimited	None	192.0	958,768	68	0	4,605,705	0	4,605,705
1999/00	Unlimited	None	180.0	1,018,542	66	0	2,713,278	0	2,713,278
2000/01	9,500,000	40,000,000	168.0	1,068,809	97	0	7,263,079	0	7,263,079
2001/02	9,500,000	40,000,000	156.0	1,057,079	100	3	12,615,943	3,110,000	15,725,943
2002/03	9,500,000	45,000,000	144.0	1,086,728	112	0	6,184,351	0	6,184,351
2003/04	10,000,000	None	132.0	1,199,434	77	2	65,563,349	51,000	65,614,349
2004/05	10,000,000	25,000,000	120.0	1,189,789	57	4	4,683,438	15,750,000	20,433,438
2005/06	10,000,000	25,000,000	108.0	1,357,723	79	5	5,632,510	696,000	6,328,510
2006/07	10,000,000	25,000,000	96.0	1,243,144	133	11	9,058,622	2,686,000	11,744,622
2007/08	10,000,000	25,000,000	84.0	1,207,801	95	12	6,098,648	6,375,500	12,474,148
2008/09	10,000,000	25,000,000	72.0	1,303,812	121	16	3,688,737	1,746,000	5,434,737
2009/10	10,000,000	25,000,000	60.0	1,287,986	113	42	2,817,720	5,283,500	8,101,220
2010/11	10,000,000	25,000,000	48.0	1,293,078	66	65	1,712,347	3,381,000	5,093,347
2011/12	10,000,000	25,000,000	36.0	1,331,769	155	155	1,990,172	13,549,300	15,539,472
2012/13	15,000,000	25,000,000	24.0	1,285,791	222	222	246,290	3,709,450	3,955,740
2013/14	15,000,000	25,000,000	12.0	Not Provided	228	225	22,281	4,213,200	4,235,481
Total					2,002	765	\$179,157,061	\$63,051,950	\$242,209,011

* The specific self-insured retention changes are as follows:

Effective Date	Retention
12/01/77	Unlimited
12/01/00	9,500,000
12/01/03	10,000,000
03/01/13	15,000,000

(8), (9) and (10) are net of the specific self-insured retention and other recoveries.

Data was provided by the County.



COOK COUNTY, ILLINOIS
OTHER LIABILITY

Exhibit OL-1 (page 2)

Data Summary as of November 30, 2014
Unlimited Losses

Claim Period (1)	Specific Self-Insured Retention (2)	Aggregate Retention (3)	Months of Development 11/30/14 (4)	Revenue (000) (5)	Reported Claims 11/30/14 (6)	Open Claims 11/30/14 (7)	Unlimited Paid Losses 11/30/14 (8)	Unlimited Case Reserves 11/30/14 (9)	Unlimited Reported Incurred Losses 11/30/14 (10)
to 1994/95	Unlimited	None	240.0	Not Provided	N/A	1	\$36,847,128	\$1,000,000	\$37,847,128
1995/96	Unlimited	None	228.0	827,195	83	2	3,091,169	1,501,000	4,592,169
1996/97	Unlimited	None	216.0	911,921	69	0	1,556,926	0	1,556,926
1997/98	Unlimited	None	204.0	953,497	61	0	2,765,368	0	2,765,368
1998/99	Unlimited	None	192.0	958,768	68	0	4,605,705	0	4,605,705
1999/00	Unlimited	None	180.0	1,018,542	66	0	2,713,278	0	2,713,278
2000/01	Unlimited	40,000,000	168.0	1,068,809	97	0	7,263,079	0	7,263,079
2001/02	Unlimited	40,000,000	156.0	1,057,079	100	3	12,615,943	3,110,000	15,725,943
2002/03	Unlimited	45,000,000	144.0	1,086,728	112	0	6,184,351	0	6,184,351
2003/04	Unlimited	None	132.0	1,199,434	77	2	65,563,349	51,000	65,614,349
2004/05	Unlimited	25,000,000	120.0	1,189,789	57	4	4,683,438	15,750,000	20,433,438
2005/06	Unlimited	25,000,000	108.0	1,357,723	79	5	5,632,510	696,000	6,328,510
2006/07	Unlimited	25,000,000	96.0	1,243,144	133	11	9,058,622	2,686,000	11,744,622
2007/08	Unlimited	25,000,000	84.0	1,207,801	95	12	6,098,648	6,375,500	12,474,148
2008/09	Unlimited	25,000,000	72.0	1,303,812	121	16	3,688,737	1,746,000	5,434,737
2009/10	Unlimited	25,000,000	60.0	1,287,986	113	42	2,817,720	5,283,500	8,101,220
2010/11	Unlimited	25,000,000	48.0	1,293,078	66	65	1,712,347	3,381,000	5,093,347
2011/12	Unlimited	25,000,000	36.0	1,331,769	155	155	1,990,172	13,549,300	15,539,472
2012/13	Unlimited	25,000,000	24.0	1,285,791	222	222	246,290	3,709,450	3,955,740
2013/14	Unlimited	25,000,000	12.0	Not Provided	228	225	22,281	4,213,200	4,235,481
Total					2,002	765	\$179,157,061	\$63,051,950	\$242,209,011

(8), (9) and (10) are gross of the specific self-insured retention and other recoveries.

Data was provided by the County.



COOK COUNTY, ILLINOIS
OTHER LIABILITY

Exhibit OL-2 (page 1)

Summary of Percent Losses Paid, Losses Reported and Claims Reported

Months of Development (1)	Percent Losses Paid (2)	Percent Losses Reported (3)	Percent Claims Reported (4)	Months of Development (5)	Percent Losses Paid (6)	Percent Losses Reported (7)	Percent Claims Reported (8)
360.0	100.0%	100.0%	100.0%	354.0	100.0%	100.0%	100.0%
348.0	100.0%	100.0%	100.0%	342.0	100.0%	100.0%	100.0%
336.0	100.0%	100.0%	100.0%	330.0	100.0%	100.0%	100.0%
324.0	100.0%	100.0%	100.0%	318.0	100.0%	100.0%	100.0%
312.0	100.0%	100.0%	100.0%	306.0	100.0%	100.0%	100.0%
300.0	100.0%	100.0%	100.0%	294.0	100.0%	100.0%	100.0%
288.0	100.0%	100.0%	100.0%	282.0	100.0%	100.0%	100.0%
276.0	100.0%	100.0%	100.0%	270.0	100.0%	100.0%	100.0%
264.0	100.0%	100.0%	100.0%	258.0	100.0%	100.0%	100.0%
252.0	100.0%	100.0%	100.0%	246.0	100.0%	100.0%	100.0%
240.0	100.0%	100.0%	100.0%	234.0	100.0%	100.0%	100.0%
228.0	100.0%	100.0%	100.0%	222.0	100.0%	100.0%	100.0%
216.0	100.0%	100.0%	100.0%	210.0	100.0%	100.0%	100.0%
204.0	100.0%	100.0%	100.0%	198.0	100.0%	100.0%	100.0%
192.0	100.0%	100.0%	100.0%	186.0	100.0%	100.0%	100.0%
180.0	100.0%	100.0%	100.0%	174.0	99.8%	100.0%	100.0%
168.0	99.5%	100.0%	100.0%	162.0	99.3%	100.0%	100.0%
156.0	99.0%	100.0%	100.0%	150.0	98.8%	99.8%	100.0%
144.0	98.5%	99.5%	100.0%	138.0	98.0%	99.3%	100.0%
132.0	97.5%	99.0%	100.0%	126.0	96.8%	98.8%	100.0%
120.0	96.1%	98.5%	100.0%	114.0	94.2%	98.0%	100.0%
108.0	92.4%	97.5%	100.0%	102.0	89.8%	96.3%	100.0%
96.0	87.2%	95.2%	100.0%	90.0	84.3%	93.6%	100.0%
84.0	81.5%	91.9%	100.0%	78.0	74.7%	90.2%	100.0%
72.0	67.9%	88.4%	100.0%	66.0	60.1%	85.5%	100.0%
60.0	52.2%	82.6%	100.0%	54.0	41.9%	76.8%	100.0%
48.0	31.7%	70.9%	100.0%	42.0	22.9%	64.8%	100.0%
36.0	14.1%	58.6%	100.0%	30.0	8.4%	45.1%	99.3%
24.0	2.7%	31.7%	98.5%	18.0	1.5%	22.7%	91.2%
12.0	0.2%	13.8%	83.8%	6.0	0.1%	6.9%	41.9%

(2) is from Exhibit OL-2 (page 2).

(3) is from Exhibit OL-2 (page 3).

(4) is from Exhibit OL-2 (page 4).

(6), (7) and (8) are interpolated, based on (2), (3) and (4), respectively.



COOK COUNTY, ILLINOIS
OTHER LIABILITY

Historical Limited Paid Losses (\$000) and Limited Paid Loss Development

I. Historical Limited Paid Losses (\$000)

Claim Period	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204	216	228	240	
to 1/9/94/05																					\$36,847
1995/06	39	527	768	1,488	1,669	1,808	1,818	1,833	1,841	2,341	2,341	2,341	3,091	3,091	3,091	3,091	3,091	3,091	3,091	3,091	3,091
1996/07	12	489	768	1,061	1,175	1,267	1,267	1,267	1,267	1,557	1,557	1,557	1,557	1,557	1,557	1,557	1,557	1,557	1,557	1,557	1,557
1997/08	1	67	1,359	1,613	1,642	2,234	2,732	2,760	2,760	2,760	2,760	2,760	2,760	2,760	2,760	2,760	2,760	2,760	2,760	2,760	2,760
1998/09	10	278	773	1,917	2,171	2,816	3,306	3,316	3,786	4,306	4,306	4,606	4,606	4,606	4,606	4,606	4,606	4,606	4,606	4,606	4,606
1999/00	127	267	282	919	1,175	1,606	1,610	2,135	2,163	2,413	2,413	2,413	2,713	2,713	2,713	2,713	2,713	2,713	2,713	2,713	2,713
2000/01	0	33	4,341	5,141	5,204	5,525	6,038	6,238	6,238	6,280	6,280	7,263	7,263	7,263	7,263	7,263	7,263	7,263	7,263	7,263	7,263
2001/02	3	45	591	1,625	3,312	6,371	8,999	8,999	9,004	11,759	12,391	12,391	12,391	12,391	12,391	12,391	12,391	12,391	12,391	12,391	12,391
2002/03	11	79	182	499	795	6,020	6,039	5,734	5,869	5,974	6,079	6,184	6,184	6,184	6,184	6,184	6,184	6,184	6,184	6,184	6,184
2003/04	22	69	389	1,684	8,745	9,335	16,123	61,060	65,548	65,563	65,563	65,563	65,563	65,563	65,563	65,563	65,563	65,563	65,563	65,563	65,563
2004/05	0	86	500	1,742	1,811	2,807	3,193	3,193	4,683	4,683	4,683	4,683	4,683	4,683	4,683	4,683	4,683	4,683	4,683	4,683	4,683
2005/06	14	168	1,304	2,627	2,692	2,733	3,193	3,193	5,633	5,633	5,633	5,633	5,633	5,633	5,633	5,633	5,633	5,633	5,633	5,633	5,633
2006/07	41	426	1,541	4,039	3,861	4,039	5,664	5,664	5,664	5,664	5,664	5,664	5,664	5,664	5,664	5,664	5,664	5,664	5,664	5,664	5,664
2007/08	17	192	637	976	5,549	5,664	5,664	5,664	5,664	5,664	5,664	5,664	5,664	5,664	5,664	5,664	5,664	5,664	5,664	5,664	5,664
2008/09	76	230	1,012	1,382	2,828	3,689	3,689	3,689	3,689	3,689	3,689	3,689	3,689	3,689	3,689	3,689	3,689	3,689	3,689	3,689	3,689
2009/10	4	237	991	1,904	2,818																
2010/11	53	250	1,333	1,712																	
2011/12	100	1,229	1,990																		
2012/13	31	246																			
2013/14	22																				

II. Limited Paid Loss Development

Claim Period	12-24	24-36	36-48	48-60	60-72	72-84	84-96	96-108	108-120	120-132	132-144	144-156	156-168	168-180	180-192	192-204	204-216	216-228	228-240	240-Ult	
to 1/9/94/05																					
1995/06	13,593	14,566	1,939	1,114	1,091	1,005	1,008	1,005	1,272	1,000	1,000	1,320	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
1996/07	40,743	1,561	1,345	1,078	1,078	1,000	1,000	1,000	1,229	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
1997/08	116,399	20,035	1,205	1,018	1,360	1,000	1,010	1,000	1,000	1,000	1,000	1,002	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
1998/09	28,111	2,779	2,480	1,278	1,297	1,174	1,003	1,142	1,137	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
1999/00	2,097	1,057	3,257	1,378	1,368	1,002	1,326	1,013	1,116	1,000	1,000	1,124	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
2000/01	130,360	1,184	1,184	1,012	1,062	1,093	1,033	1,002	1,001	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
2001/02	17,990	13,154	2,748	2,038	1,923	1,412	1,000	1,001	1,306	1,054	1,000	1,018	1,017	1,017	1,017	1,017	1,017	1,017	1,017	1,017	
2002/03	7,223	2,295	2,735	1,596	7,568	1,003	9,950	1,024	1,018	1,018	1,018	1,018	1,018	1,018	1,018	1,018	1,018	1,018	1,018	1,018	
2003/04	3,094	5,617	4,351	5,164	1,067	1,727	3,787	1,074	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
2004/05	11,769	8,823	3,485	1,039	1,550	1,525	1,094	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
2005/06	10,334	3,614	2,427	1,033	1,046	1,846	1,215	1,215	1,215	1,215	1,215	1,215	1,215	1,215	1,215	1,215	1,215	1,215	1,215	1,215	
2006/07	11,576	3,323	1,533	5,684	1,021	1,077															
2007/08	3,035	4,397	1,365	2,045	1,305																
2008/09	67,791	4,175	1,922	1,480																	
2009/10	4,730	5,324	1,285																		
2010/11	12,286	1,620																			
2011/12																					
2012/13																					
2013/14																					
Average																					
All	22,427	12,609	2,205	1,851	1,697	1,251	1,285	1,093	1,108	1,008	1,046	1,049	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
Wtd 3	9,406	2,514	1,498	2,626	1,094	1,347	1,134	1,101	1,002	1,009	1,045	1,010	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
Last 3	8,364	3,707	1,524	3,070	1,124	1,364	1,103	1,279	1,006	1,024	1,059	1,006	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
Last 5	8,364	3,965	1,607	1,519	1,124	1,474	1,103	1,033	1,006	1,006	1,070	1,001	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
x-tilt/low																					
Similar	12,000	5,350	2,300	1,650	1,300	1,200	1,050	1,050	1,045	1,015	1,010	1,005	1,005	1,005	1,000	1,000	1,000	1,000	1,000	1,000	
Selected	11,500	5,250	2,250	1,650	1,300	1,200	1,070	1,060	1,040	1,015	1,010	1,005	1,005	1,005	1,000	1,000	1,000	1,000	1,000	1,000	
Cumulative	429,197	37,321	7,109	3,159	1,915	1,473	1,227	1,147	1,082	1,041	1,025	1,015	1,010	1,005	1,000	1,000	1,000	1,000	1,000	1,000	
Percent	0.2%	2.7%	14.1%	31.7%	52.2%	67.9%	81.5%	87.2%	92.4%	96.1%	97.5%	98.5%	99.0%	99.5%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	

Amounts are limited (net of excess insurance).

Data was provided by the County.



COOK COUNTY, ILLINOIS
OTHER LIABILITY

Historical Reported Claims and Reported Claim Development

Claim Period	Months of Development:																					
	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204	216	228	240		
to 1/994/05																						
1995/06	23	47	80	82	84	88	93	84	83	83	83	83	83	83	83	83	83	83	83	83	83	
1996/07	30	60	86	89	72	71	70	69	69	69	69	69	69	69	69	69	69	69	69	69	69	
1997/08	16	55	83	62	63	65	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	
1998/09	23	72	75	73	70	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	
1999/00	32	63	78	65	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	
2000/01	54	108	102	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	
2001/02	53	94	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
2002/03	76	112	112	112	112	112	112	112	112	112	112	112	112	112	112	112	112	112	112	112	112	
2003/04	69	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	
2004/05	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	
2005/06	69	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	
2006/07	76	133	133	133	133	133	133	133	133	133	133	133	133	133	133	133	133	133	133	133	133	
2007/08	77	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95	
2008/09	112	121	121	121	121	121	121	121	121	121	121	121	121	121	121	121	121	121	121	121	121	
2009/10	113	113	113	113	113	113	113	113	113	113	113	113	113	113	113	113	113	113	113	113	113	
2010/11	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	
2011/12	132	132	155	155	155	155	155	155	155	155	155	155	155	155	155	155	155	155	155	155	155	
2012/13	120	222																				
2013/14	228																					

II. Reported Claim Development

Claim Period	Months of Development:												240-Ult									
	12-24	24-36	36-48	48-60	60-72	72-84	84-96	96-108	108-120	120-132	132-144	144-156		156-168	168-180	180-192	192-204	204-216	216-228	228-240		
to 1/994/05																						
1995/06	2,043	1,702	1,025	1,024	1,048	1,067	0,903	0,988	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
1996/07	2,000	1,433	1,035	0,809	0,966	0,966	0,986	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
1997/08	3,438	1,509	0,747	1,016	1,032	0,938	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
1998/09	3,130	1,042	0,973	0,959	0,971	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
1999/00	1,969	1,238	0,833	1,015	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
2000/01	2,000	0,944	0,951	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
2001/02	1,774	1,064	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
2002/03	1,474	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
2003/04	1,116	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
2004/05	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
2005/06	1,145	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
2006/07	1,750	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
2007/08	1,234	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
2008/09	1,080	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
2009/10	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
2010/11	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
2011/12	1,000	1,174																				
2012/13	1,850																					
2013/14																						
Average All	1,667	1,124	0,973	0,988	1,003	0,999	0,991	0,999	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
Wtd 3	1,321	1,074	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
Last 3	1,263	1,058	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
Last 5 x-til low	1,027	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
Similar Previous	1,200	1,020	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
Selected Cumulative Percent	1,175	1,015	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
	83.8%	98.5%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	

Data was provided by the County.



COOK COUNTY, ILLINOIS
OTHER LIABILITY

Exhibit OL-3

Developed Limited Paid Losses

Claim Period (1)	Months of Development 11/30/14 (2)	Limited Paid Losses 11/30/14 (3)	Percent Losses Paid (4)	Developed Limited Paid Losses (3)/(4) (5)
to 1994/95	240.0	\$36,847,128	100.0%	\$36,847,128
1995/96	228.0	3,091,169	100.0%	3,091,169
1996/97	216.0	1,556,926	100.0%	1,556,926
1997/98	204.0	2,765,368	100.0%	2,765,368
1998/99	192.0	4,605,705	100.0%	4,605,705
1999/00	180.0	2,713,278	100.0%	2,713,278
2000/01	168.0	7,263,079	99.5%	7,299,395
2001/02	156.0	12,615,943	99.0%	12,742,418
2002/03	144.0	6,184,351	98.5%	6,277,581
2003/04	132.0	65,563,349	97.5%	66,073,652 *
2004/05	120.0	4,683,438	96.1%	4,873,605
2005/06	108.0	5,632,510	92.4%	6,095,662
2006/07	96.0	9,058,622	87.2%	10,391,709
2007/08	84.0	6,098,648	81.5%	7,485,867
2008/09	72.0	3,688,737	67.9%	5,433,348
2009/10	60.0	2,817,720	52.2%	5,395,492
2010/11	48.0	1,712,347	31.7%	5,410,145
2011/12	36.0	1,990,172	14.1%	14,147,843
2012/13	24.0	246,290	2.7%	9,191,904
2013/14	12.0	22,281	0.2%	9,562,864

* - Indicates large claim(s) limited to retention. For details, see Exhibit OL-15.

(3) is from Exhibit OL-1.

(4) is from Exhibit OL-2.



COOK COUNTY, ILLINOIS
OTHER LIABILITY

Exhibit OL-4

Developed Limited Reported Incurred Losses

Claim Period (1)	Months of Development 11/30/14 (2)	Limited Reported Incurred Losses 11/30/14 (3)	Percent Losses Reported (4)	Developed Limited Reported Incurred Losses (3)/(4) (5)
to 1994/95	240.0	\$37,847,128	100.0%	\$37,847,128
1995/96	228.0	4,592,169	100.0%	4,592,169
1996/97	216.0	1,556,926	100.0%	1,556,926
1997/98	204.0	2,765,368	100.0%	2,765,368
1998/99	192.0	4,605,705	100.0%	4,605,705
1999/00	180.0	2,713,278	100.0%	2,713,278
2000/01	168.0	7,263,079	100.0%	7,263,079
2001/02	156.0	15,725,943	100.0%	15,725,943
2002/03	144.0	6,184,351	99.5%	6,215,273
2003/04	132.0	65,614,349	99.0%	65,817,660 *
2004/05	120.0	20,433,438	98.5%	20,515,347 *
2005/06	108.0	6,328,510	97.5%	6,488,152
2006/07	96.0	11,744,622	95.2%	12,341,913
2007/08	84.0	12,474,148	91.9%	13,567,338
2008/09	72.0	5,434,737	88.4%	6,147,459
2009/10	60.0	8,101,220	82.6%	9,805,084
2010/11	48.0	5,093,347	70.9%	7,181,747
2011/12	36.0	15,539,472	58.6%	19,451,061 *
2012/13	24.0	3,955,740	31.7%	12,485,664
2013/14	12.0	4,235,481	13.8%	30,747,830

* - Indicates large claim(s) limited to retention. For details, see Exhibit OL-15.

(3) is from Exhibit OL-1.

(4) is from Exhibit OL-2.



COOK COUNTY, ILLINOIS
OTHER LIABILITY

Exhibit OL-5

Developed Limited Case Reserves

Claim Period (1)	Months of Development 11/30/14 (2)	Percent Losses Paid (3)	Percent Losses Reported (4)	Percent Losses Reserved 11/30/14 [(4)-(3)]/ [100.0%-(3)] (5)	Limited Paid Losses 11/30/14 (6)	Limited Case Reserves 11/30/14 (7)	Developed Limited Case Reserves (6)+(7)/(5) (8)
to 1994/95	240.0	100.0%	100.0%	100.0%	\$36,847,128	\$1,000,000	\$37,847,128
1995/96	228.0	100.0%	100.0%	100.0%	3,091,169	1,501,000	4,592,169
1996/97	216.0	100.0%	100.0%	100.0%	1,556,926	0	1,556,926
1997/98	204.0	100.0%	100.0%	100.0%	2,765,368	0	2,765,368
1998/99	192.0	100.0%	100.0%	100.0%	4,605,705	0	4,605,705
1999/00	180.0	100.0%	100.0%	100.0%	2,713,278	0	2,713,278
2000/01	168.0	99.5%	100.0%	100.0%	7,263,079	0	7,263,079
2001/02	156.0	99.0%	100.0%	100.0%	12,615,943	3,110,000	15,725,943
2002/03	144.0	98.5%	99.5%	66.5%	6,184,351	0	6,184,351
2003/04	132.0	97.5%	99.0%	59.7%	65,563,349	51,000	65,648,832
2004/05	120.0	96.1%	98.5%	61.9%	4,683,438	15,750,000	20,894,300 *
2005/06	108.0	92.4%	97.5%	67.6%	5,632,510	696,000	6,661,844
2006/07	96.0	87.2%	95.2%	62.3%	9,058,622	2,686,000	13,371,766
2007/08	84.0	81.5%	91.9%	56.5%	6,098,648	6,375,500	17,378,897
2008/09	72.0	67.9%	88.4%	63.9%	3,688,737	1,746,000	6,421,438
2009/10	60.0	52.2%	82.6%	63.6%	2,817,720	5,283,500	11,121,487
2010/11	48.0	31.7%	70.9%	57.5%	1,712,347	3,381,000	7,596,960
2011/12	36.0	14.1%	58.6%	51.8%	1,990,172	13,549,300	18,837,196 *
2012/13	24.0	2.7%	31.7%	29.8%	246,290	3,709,450	12,693,550
2013/14	12.0	0.2%	13.8%	13.6%	22,281	4,213,200	31,062,116

* - Indicates large claim(s) limited to retention. For details, see Exhibit OL-15.

(3) and (4) are from Exhibit OL-2.

(6) and (7) are from Exhibit OL-1.



COOK COUNTY, ILLINOIS
OTHER LIABILITY

Exhibit OL-6

Preliminary Projected Ultimate Limited Losses to 2013/14

Claim Period (1)	Developed Limited Paid Losses (2)	Developed Limited Reported Incurred Losses (3)	Developed Limited Case Reserves (4)	Preliminary Projected Ultimate Limited Losses (5)
to 1994/95	\$36,847,128	\$37,847,128	\$37,847,128	\$37,947,128
1995/96	3,091,169	4,592,169	4,592,169	4,742,269
1996/97	1,556,926	1,556,926	1,556,926	1,556,926
1997/98	2,765,368	2,765,368	2,765,368	2,765,368
1998/99	4,605,705	4,605,705	4,605,705	4,605,705
1999/00	2,713,278	2,713,278	2,713,278	2,713,278
2000/01	7,299,395	7,263,079	7,263,079	7,263,079
2001/02	12,742,418	15,725,943	15,725,943	16,036,943
2002/03	6,277,581	6,215,273	6,184,351	6,184,351
2003/04	66,073,652	65,817,660	65,648,832	65,648,832
2004/05	4,873,605	20,515,347	20,894,300	22,008,438
2005/06	6,095,662	6,488,152	6,661,844	6,661,844
2006/07	10,391,709	12,341,913	13,371,766	13,268,781
2007/08	7,485,867	13,567,338	17,378,897	16,616,586
2008/09	5,433,348	6,147,459	6,421,438	6,339,244
2009/10	5,395,492	9,805,084	11,121,487	10,594,926
2010/11	5,410,145	7,181,747	7,596,960	7,212,193
2011/12	14,147,843	19,451,061	18,837,196	18,144,871
2012/13	9,191,904	12,485,664	12,693,550	11,910,066
2013/14	9,562,864	30,747,830	31,062,116	26,636,551

(2) is from Exhibit OL-3.

(3) is from Exhibit OL-4.

(4) is from Exhibit OL-5.

(5) is based on (2) to (4) and actuarial judgment.



Bornhuetter - Ferguson Analysis

I. A-priori Loss Rate

Claim Period (1)	Preliminary Projected Ultimate Limited Losses (2)	Revenue (000) (3)	Limited Loss Rate per \$1,000 of Revenue (2)/(3) (4)	Loss Rate Trend (2014/15 = 1.000) (5)	Trended Limited Loss Rate per \$1,000 of Revenue (4)X(5) (6)	Projected A-priori Loss Rate per \$1,000 of Revenue (7)/(5) (8)
2004/05	\$22,008,438	\$1,189,789	\$18.50	1.480	\$27.38	\$8.64
2005/06	6,661,844	1,357,723	4.91	1.423	6.98	8.99
2006/07	13,268,781	1,243,144	10.67	1.369	14.61	9.35
2007/08	16,616,586	1,207,801	13.76	1.316	18.10	9.72
2008/09	6,339,244	1,303,812	4.86	1.265	6.15	10.11
2009/10	10,594,926	1,287,986	8.23	1.217	10.01	10.51
2010/11	7,212,193	1,293,078	5.58	1.170	6.52	10.93
2011/12	18,144,871	1,331,769	13.62	1.125	15.33	11.37
2012/13	11,910,066	1,285,791	9.26	1.082	10.02	11.82
2013/14	26,636,551	1,285,791	20.72	1.040	21.54	12.30

(7) Projected 2014/15 a-priori loss rate per \$1,000 of Revenue \$12.79

II. Bornhuetter - Ferguson Analysis Based on Limited Paid Losses

Claim Period (1)	Limited Paid Losses 11/30/14 (2)	Percent Losses Paid (3)	Projected A-priori Loss Rate per \$1,000 of Revenue (4)	Revenue (000) (5)	B-F Unpaid Losses [100.0%-(3)] X(4)X(5) (6)	B-F Ultimate Limited Paid Losses (2)+(6) (7)
2009/10	\$2,817,720	52.2%	\$10.51	\$1,287,986	\$6,468,663	\$9,286,383
2010/11	1,712,347	31.7%	10.93	1,293,078	9,662,343	11,374,690
2011/12	1,990,172	14.1%	11.37	1,331,769	13,012,045	15,002,217
2012/13	246,290	2.7%	11.82	1,285,791	14,796,711	15,043,000
2013/14	22,281	0.2%	12.30	1,285,791	15,775,414	15,797,695

III. Bornhuetter - Ferguson Analysis Based on Limited Reported Incurred Losses

Claim Period (1)	Limited Reported Incurred Losses 11/30/14 (2)	Percent Losses Reported (3)	Projected A-priori Loss Rate per \$1,000 of Revenue (4)	Revenue (000) (5)	B-F Unreported Losses [100.0%-(3)] X(4)X(5) (6)	B-F Ultimate Limited Reported Losses (2)+(6) (7)
2009/10	\$8,101,220	82.6%	\$10.51	\$1,287,986	\$2,352,798	\$10,454,018
2010/11	5,093,347	70.9%	10.93	1,293,078	4,110,851	9,204,198
2011/12	15,539,472	58.6%	11.37	1,331,769	6,266,976	21,806,448
2012/13	3,955,740	31.7%	11.82	1,285,791	10,387,093	14,342,833
2013/14	4,235,481	13.8%	12.30	1,285,791	13,634,135	17,869,615

Section I, (2) is from Exhibit OL-6.

Section I, (3), Section II, (5) and Section III, (5) are from Exhibit OL-10.

Section I, (5) is based on a 4% trend.

Section I, (7) is based on Section I, (6) and actuarial judgment.

Sections II and III, (2) are from Exhibit OL-1.

Sections II and III, (3) are from Exhibit OL-2.

Sections II and III, (4) are from Section I, (8).



Frequency Times Severity Analysis

I. Projected Ultimate Claims

Claim Period (1)	Months of Development 11/30/14 (2)	Reported Claims 11/30/14 (3)	Percent Claims Reported (4)	Projected Ultimate Claims (3)/(4) (5)	Revenue (000) (6)	Frequency (per \$1M of Revenue) (5)/(6)X1,000 (7)
2004/05	120.0	57	100.0%	57	\$1,189,789	0.05
2005/06	108.0	79	100.0%	79	1,357,723	0.06
2006/07	96.0	133	100.0%	133	1,243,144	0.11
2007/08	84.0	95	100.0%	95	1,207,801	0.08
2008/09	72.0	121	100.0%	121	1,303,812	0.09
2009/10	60.0	113	100.0%	113	1,287,986	0.09
2010/11	48.0	66	100.0%	66	1,293,078	0.05
2011/12	36.0	155	100.0%	155	1,331,769	0.12
2012/13	24.0	222	98.5%	225	1,285,791	0.17
2013/14	12.0	228	83.8%	272	1,285,791	0.21

II. Frequency Times Severity

Claim Period (1)	Preliminary Projected Ultimate Limited Losses (2)	Projected Ultimate Claims (3)	Average Severity (2)/(3) (4)	Severity Trend (2014/15 = 1.000) (5)	Trended Average Claim Severity (4)X(5) (6)	De-Trended Projected 2014/15 Average Claim Severity (7)/(5) (8)	Frequency Times Severity (3)X(8) (9)
2004/05	\$22,008,438	57	\$386,113	1.480	\$571,541	\$116,753	\$6,654,926
2005/06	6,661,844	79	84,327	1.423	120,024	121,423	9,592,433
2006/07	13,268,781	133	99,765	1.369	136,536	126,280	16,795,258
2007/08	16,616,586	95	174,911	1.316	230,172	131,331	12,476,477
2008/09	6,339,244	121	52,390	1.265	66,291	136,585	16,526,736
2009/10	10,594,926	113	93,760	1.217	114,074	142,048	16,051,421
2010/11	7,212,193	66	109,276	1.170	127,837	147,730	9,750,173
2011/12	18,144,871	155	117,064	1.125	131,681	153,639	23,814,059
2012/13	11,910,066	225	52,934	1.082	57,253	159,785	35,951,547
2013/14	26,636,551	272	97,928	1.040	101,846	166,176	45,199,883
(7) Projected 2014/15 average claim severity						\$172,823	

Section I, (3) is from Exhibit OL-1.

Section I, (4) is from Exhibit OL-2.

Section I, (6) is from Exhibit OL-10.

Section II, (2) is from Exhibit OL-6.

Section II, (3) is from Section I, (5).

Section II, (5) is based on a 4% trend.

Section II, (7) is based on (6) and actuarial judgment.



COOK COUNTY, ILLINOIS
OTHER LIABILITY

Exhibit OL-9

Projected Ultimate Limited Losses to 2013/14

Claim Period (1)	Developed Limited Paid Losses (2)	Developed Limited Reported Incurred Losses (3)	Developed Limited Case Reserves (4)	B-F Ultimate Limited Paid Losses (5)	B-F Ultimate Limited Reported Losses (6)	Frequency Times Severity (7)	Prior Projected Ultimate Limited Losses (8)	Projected Ultimate Limited Losses (9)
to 1994/95	\$36,847,128	\$37,847,128	\$37,847,128				\$36,858,532	\$37,947,128
1995/96	3,091,169	4,592,169	4,592,169				3,091,169	4,742,269
1996/97	1,556,926	1,556,926	1,556,926				1,556,926	1,556,926
1997/98	2,765,368	2,765,368	2,765,368				2,765,368	2,765,368
1998/99	4,605,705	4,605,705	4,605,705				4,605,705	4,605,705
1999/00	2,713,278	2,713,278	2,713,278				2,713,278	2,713,278
2000/01	7,299,395	7,263,079	7,263,079				7,264,179	7,263,079
2001/02	12,742,418	15,725,943	15,725,943				12,776,000	16,037,000
2002/03	6,277,581	6,215,273	6,184,351				6,195,000	6,184,351
2003/04	66,073,652	65,817,660	65,648,832				66,068,000	65,649,000
2004/05	4,873,605	20,515,347	20,894,300				20,000,000	22,008,438
2005/06	6,095,662	6,488,152	6,661,844				6,500,000	6,662,000
2006/07	10,391,709	12,341,913	13,371,766				9,500,000	13,269,000
2007/08	7,485,867	13,567,338	17,378,897				16,250,000	16,000,000
2008/09	5,433,348	6,147,459	6,421,438				6,500,000	6,339,000
2009/10	5,395,492	9,805,084	11,121,487	9,286,383	10,454,018	16,051,421	9,500,000	10,200,000
2010/11	5,410,145	7,181,747	7,596,960	11,374,690	9,204,198	9,750,173	10,500,000	8,500,000
2011/12	14,147,843	19,451,061	18,837,196	15,002,217	21,806,448	23,814,059	17,500,000	18,800,000
2012/13	9,191,904	12,485,664	12,693,550	15,043,000	14,342,833	35,951,547	15,500,000	13,500,000
2013/14	9,562,864	30,747,830	31,062,116	15,797,695	17,869,615	45,199,883	16,628,000	20,000,000
Total	\$221,961,059 #	\$287,834,124 #	\$294,942,336 #	\$66,503,985 #	\$73,677,112 #	\$130,767,085 #	\$272,272,158 #	\$284,742,543
Total 5 Years	43,708,247 0	79,671,385 0	81,311,309 0	66,503,985 0	73,677,112 0	130,767,085 0	69,628,000 #	71,000,000

(2) is from Exhibit OL-3.

(3) is from Exhibit OL-4.

(4) is from Exhibit OL-5.

(5) and (6) are from Exhibit OL-7.

(7) is from Exhibit OL-8.

(8) is based on (2) to (7) and actuarial judgment.



COOK COUNTY, ILLINOIS
OTHER LIABILITY

Exhibit OL-10

Projected Ultimate Limited Losses for 2014/15 and Subsequent

Claim Period (1)	Projected Ultimate Limited Losses (2)	Revenue (000) (3)	Limited Loss Rate per \$1,000 of Revenue (2)/(3) (4)	Loss Rate Trend (2014/15 = 1.000) (5)	Trended Limited Loss Rate per \$1,000 of Revenue (4)X(5) (6)
2004/05	\$22,008,438	\$1,189,789	\$18.50	1.480	\$27.38
2005/06	6,662,000	1,357,723	4.91	1.423	6.98
2006/07	13,269,000	1,243,144	10.67	1.369	14.61
2007/08	16,000,000	1,207,801	13.25	1.316	17.43
2008/09	6,339,000	1,303,812	4.86	1.265	6.15
2009/10	10,200,000	1,287,986	7.92	1.217	9.64
2010/11	8,500,000	1,293,078	6.57	1.170	7.69
2011/12	18,800,000	1,331,769	14.12	1.125	15.88
2012/13	13,500,000	1,285,791	10.50	1.082	11.36
2013/14	20,000,000	1,285,791	15.55	1.040	16.18
Total	\$135,278,438	\$12,786,684	\$10.58		\$13.33

Claim Period (1)	Projected Limited Loss Rate per \$1,000 of Revenue (7)	Projected Revenue (000) (8)	Projected Ultimate Limited Losses (7)X(8) (9)	Present Value Factor (10)	Present Value of Projected Limited Loss Rate per \$1,000 of Revenue (7)X(10) (11)	Present Value of Projected Ultimate Limited Losses (8)X(11) (12)
2014/15	\$13.01	\$1,285,791	\$16,732,000	0.84	\$10.93	\$14,059,000
2015/16	13.53	1,285,791	17,401,000	0.84	11.37	14,621,000
2016/17	14.07	1,285,791	18,097,000	0.84	11.83	15,206,000

(2) is from Exhibit OL-9.

(3) for 2004/05, 2005/06, 2006/07, 2007/08, 2008/09, 2009/10, 2010/11, 2011/12 and 2012/13 were provided by the County. Other periods assume a 0% trend.

(5) is based on a 4% trend.

(7) for 2014/15 is based on (6) and actuarial judgment.

(7) for 2015/16 and subsequent are based on 2014/15 plus a 4% trend.

(8) is based on (3) for 2013/14 and a 0% trend.

(10) is based on a 3.4% interest rate and the payout pattern in Exhibit OL-2.



COOK COUNTY, ILLINOIS
OTHER LIABILITY

Exhibit OL-11

Estimated Outstanding Losses as of November 30, 2014

Claim Period (1)	Limited Paid Losses 11/30/14 (2)	Limited Case Reserves 11/30/14 (3)	Limited Reported Incurred Losses 11/30/14 (4)	Projected Ultimate Limited Losses (5)	Estimated IBNR 11/30/14 (5)-(4) (6)	Estimated Outstanding Losses 11/30/14 (3)+(6) (7)	Present Value Factor (8)	Present Value of Estimated Outstanding Losses 11/30/14 (7)X(8) (9)
to 1994/95	\$36,847,128	\$1,000,000	\$37,847,128	\$37,947,128	\$100,000	\$1,100,000	1.00	\$1,100,000
1995/96	3,091,169	1,501,000	4,592,169	4,742,269	150,100	1,651,100	1.00	1,651,100
1996/97	1,556,926	0	1,556,926	1,556,926	0	0	1.00	0
1997/98	2,765,368	0	2,765,368	2,765,368	0	0	1.00	0
1998/99	4,605,705	0	4,605,705	4,605,705	0	0	1.00	0
1999/00	2,713,278	0	2,713,278	2,713,278	0	0	1.00	0
2000/01	7,263,079	0	7,263,079	7,263,079	0	0	0.98	0
2001/02	12,615,943	3,110,000	15,725,943	16,037,000	311,057	3,421,057	0.97	3,308,890
2002/03	6,184,351	0	6,184,351	6,184,351	0	0	0.95	0
2003/04	65,563,349	51,000	65,614,349	65,649,000	34,651	85,651	0.95	80,955
2004/05	4,683,438	15,750,000	20,433,438	22,008,438	1,575,000	17,325,000	0.94	16,280,382
2005/06	5,632,510	696,000	6,328,510	6,662,000	333,490	1,029,490	0.95	972,973
2006/07	9,058,622	2,686,000	11,744,622	13,269,000	1,524,378	4,210,378	0.94	3,967,520
2007/08	6,098,648	6,375,500	12,474,148	16,000,000	3,525,852	9,901,352	0.93	9,243,093
2008/09	3,688,737	1,746,000	5,434,737	6,339,000	904,263	2,650,263	0.94	2,483,046
2009/10	2,817,720	5,283,500	8,101,220	10,200,000	2,098,780	7,382,280	0.93	6,876,257
2010/11	1,712,347	3,381,000	5,093,347	8,500,000	3,406,653	6,787,653	0.93	6,283,244
2011/12	1,990,172	13,549,300	15,539,472	18,800,000	3,260,528	16,809,828	0.91	15,352,261
2012/13	246,290	3,709,450	3,955,740	13,500,000	9,544,260	13,253,710	0.89	11,861,804
2013/14	22,281	4,213,200	4,235,481	20,000,000	15,764,519	19,977,719	0.87	17,349,481
Total	\$179,157,061	\$63,051,950	\$242,209,011	\$284,742,543	\$42,533,531	\$105,585,481		\$96,811,006

(2), (3) and (4) are net of specific self insured retention and aggregate retention.

(5) is from Exhibit OL-9.

(8) is based on a 3.4% interest rate and the payout pattern in Exhibit OL-2.



COOK COUNTY, ILLINOIS
OTHER LIABILITY

Exhibit OL-12

Projected Losses Paid December 1, 2014 to November 30, 2015

Claim Period (1)	Months of Development 11/30/14 (2)	Percent Losses Paid (3)	Months of Development 11/30/15 (4)	Percent Losses Paid (5)	Percent Outstanding Losses Paid 12/1/14 to 11/30/15 [(5)-(3)]/ [100.0%-(3)] (6)	Estimated Outstanding Losses 11/30/14 (7)	Projected Losses Paid (6)X(7) (8)	Estimated Outstanding Losses 11/30/15 (7)-(8) (9)	Present Value Factor (10)	Present Value of Estimated Outstanding Losses 11/30/15 (9)X(10) (11)
to 1994/95	240.0	100.0%	252.0	100.0%	20.0% *	\$1,100,000	\$220,000	\$880,000	1.00	\$880,000
1995/96	228.0	100.0%	240.0	100.0%	20.0% *	1,651,100	330,220	1,320,880	1.00	1,320,880
1996/97	216.0	100.0%	228.0	100.0%	20.0% *	0	0	0	1.00	0
1997/98	204.0	100.0%	216.0	100.0%	20.0% *	0	0	0	1.00	0
1998/99	192.0	100.0%	204.0	100.0%	20.0% *	0	0	0	1.00	0
1999/00	180.0	100.0%	192.0	100.0%	20.0% *	0	0	0	1.00	0
2000/01	168.0	99.5%	180.0	100.0%	20.0% *	0	0	0	1.00	0
2001/02	156.0	99.0%	168.0	99.5%	20.0% *	3,421,057	684,211	2,736,846	0.98	2,691,473
2002/03	144.0	98.5%	156.0	99.0%	20.0% *	0	0	0	0.97	0
2003/04	132.0	97.5%	144.0	98.5%	20.0% *	85,651	17,130	68,521	0.95	65,186
2004/05	120.0	96.1%	132.0	97.5%	20.0% *	17,325,000	3,465,000	13,860,000	0.95	13,100,093
2005/06	108.0	92.4%	120.0	96.1%	20.0% *	1,029,490	205,898	823,592	0.94	773,933
2006/07	96.0	87.2%	108.0	92.4%	20.0% *	4,210,378	842,076	3,368,302	0.95	3,183,390
2007/08	84.0	81.5%	96.0	87.2%	20.0% *	9,901,352	1,980,270	7,921,082	0.94	7,464,188
2008/09	72.0	67.9%	84.0	81.5%	20.0% *	2,650,263	530,053	2,120,210	0.93	1,979,255
2009/10	60.0	52.2%	72.0	67.9%	20.0% *	7,382,280	1,476,456	5,905,824	0.94	5,533,199
2010/11	48.0	31.7%	60.0	52.2%	20.0% *	6,787,653	1,357,531	5,430,122	0.93	5,057,911
2011/12	36.0	14.1%	48.0	31.7%	20.0% *	16,809,828	3,361,966	13,447,862	0.93	12,448,514
2012/13	24.0	2.7%	36.0	14.1%	11.7% *	13,253,710	1,550,825	11,702,885	0.91	10,688,137
2013/14	12.0	0.2%	24.0	2.7%	2.5% *	19,977,719	489,882	19,487,837	0.89	17,441,223
2014/15	0.0	0.0%	12.0	0.2%	0.2% *	16,732,000	38,984	16,693,016	0.87	14,496,908
Total						\$122,317,481	\$16,550,502	\$105,766,979		\$97,124,290

* - Limited to a maximum of 20% per actuarial judgment.

(3) and (5) are from Exhibit OL-2.

(7) to 2013/14 is from Exhibit OL-11. The amount for 2014/15 is from Exhibit OL-10.

(10) is based on a 3.4% interest rate and the payout pattern in Exhibit OL-2.



COOK COUNTY, ILLINOIS
OTHER LIABILITY

Exhibit OL-13

Projected Losses Paid December 1, 2015 to November 30, 2016

Claim Period (1)	Months of Development 11/30/15 (2)	Percent Losses Paid (3)	Months of Development 11/30/16 (4)	Percent Losses Paid (5)	Percent Outstanding Losses Paid 12/1/15 to 11/30/16 [(5)-(3)]/ [100.0%-(3)] (6)	Estimated Outstanding Losses 11/30/15 (7)	Projected Losses Paid (6)X(7) (8)	Estimated Outstanding Losses 11/30/16 (7)-(8) (9)	Present Value Factor (10)	Present Value of Estimated Outstanding Losses 11/30/16 (9)X(10) (11)
to 1994/95	252.0	100.0%	264.0	100.0%	20.0% *	\$880,000	\$176,000	\$704,000	1.00	\$704,000
1995/96	240.0	100.0%	252.0	100.0%	20.0% *	1,320,880	264,176	1,056,704	1.00	1,056,704
1996/97	228.0	100.0%	240.0	100.0%	20.0% *	0	0	0	1.00	0
1997/98	216.0	100.0%	228.0	100.0%	20.0% *	0	0	0	1.00	0
1998/99	204.0	100.0%	216.0	100.0%	20.0% *	0	0	0	1.00	0
1999/00	192.0	100.0%	204.0	100.0%	20.0% *	0	0	0	1.00	0
2000/01	180.0	100.0%	192.0	100.0%	20.0% *	0	0	0	1.00	0
2001/02	168.0	99.5%	180.0	100.0%	20.0% *	2,736,846	547,369	2,189,477	1.00	2,189,477
2002/03	156.0	99.0%	168.0	99.5%	20.0% *	0	0	0	0.98	0
2003/04	144.0	98.5%	156.0	99.0%	20.0% *	68,521	13,704	54,817	0.97	53,020
2004/05	132.0	97.5%	144.0	98.5%	20.0% *	13,860,000	2,772,000	11,088,000	0.95	10,548,384
2005/06	120.0	96.1%	132.0	97.5%	20.0% *	823,592	164,718	658,874	0.95	622,750
2006/07	108.0	92.4%	120.0	96.1%	20.0% *	3,368,302	673,660	2,694,642	0.94	2,532,167
2007/08	96.0	87.2%	108.0	92.4%	20.0% *	7,921,082	1,584,216	6,336,866	0.95	5,988,987
2008/09	84.0	81.5%	96.0	87.2%	20.0% *	2,120,210	424,042	1,696,168	0.94	1,598,332
2009/10	72.0	67.9%	84.0	81.5%	20.0% *	5,905,824	1,181,165	4,724,659	0.93	4,410,555
2010/11	60.0	52.2%	72.0	67.9%	20.0% *	5,430,122	1,086,024	4,344,098	0.94	4,070,009
2011/12	48.0	31.7%	60.0	52.2%	20.0% *	13,447,862	2,689,572	10,758,290	0.93	10,020,857
2012/13	36.0	14.1%	48.0	31.7%	20.0% *	11,702,885	2,340,577	9,362,308	0.93	8,666,569
2013/14	24.0	2.7%	36.0	14.1%	11.7% *	19,487,837	2,280,284	17,207,553	0.91	15,715,500
2014/15	12.0	0.2%	24.0	2.7%	2.5% *	16,693,016	409,336	16,283,680	0.89	14,573,567
2015/16	0.0	0.0%	12.0	0.2%	0.2% *	17,401,000	40,543	17,360,457	0.87	15,076,542
Total						\$123,167,979	\$16,647,386	\$106,520,593		\$97,827,420

* - Limited to a maximum of 20% per actuarial judgment.

(3) and (5) are from Exhibit OL-2.

(7) to 2014/15 is from Exhibit OL-12, (9). The amount for 2015/16 is from Exhibit OL-10.

(10) is based on a 3.4% interest rate and the payout pattern in Exhibit OL-2.



COOK COUNTY, ILLINOIS
OTHER LIABILITY

Exhibit OL-14

Projected Losses Paid December 1, 2016 to November 30, 2017

Claim Period (1)	Months of Development 11/30/16 (2)	Percent Losses Paid (3)	Months of Development 11/30/17 (4)	Percent Losses Paid (5)	Percent Outstanding Losses Paid 12/1/16 to 11/30/17 [(5)-(3)]/ [100.0%-(3)] (6)	Estimated Outstanding Losses 11/30/16 (7)	Projected Losses Paid (6)X(7) (8)	Estimated Outstanding Losses 11/30/17 (7)-(8) (9)	Present Value Factor (10)	Present Value of Estimated Outstanding Losses 11/30/17 (9)X(10) (11)
to 1994/95	264.0	100.0%	276.0	100.0%	20.0% *	\$704,000	\$140,800	\$563,200	1.00	\$563,200
1995/96	252.0	100.0%	264.0	100.0%	20.0% *	1,056,704	211,341	845,363	1.00	845,363
1996/97	240.0	100.0%	252.0	100.0%	20.0% *	0	0	0	1.00	0
1997/98	228.0	100.0%	240.0	100.0%	20.0% *	0	0	0	1.00	0
1998/99	216.0	100.0%	228.0	100.0%	20.0% *	0	0	0	1.00	0
1999/00	204.0	100.0%	216.0	100.0%	20.0% *	0	0	0	1.00	0
2000/01	192.0	100.0%	204.0	100.0%	20.0% *	0	0	0	1.00	0
2001/02	180.0	100.0%	192.0	100.0%	20.0% *	2,189,477	437,895	1,751,582	1.00	1,751,582
2002/03	168.0	99.5%	180.0	100.0%	20.0% *	0	0	0	1.00	0
2003/04	156.0	99.0%	168.0	99.5%	20.0% *	54,817	10,963	43,854	0.98	43,127
2004/05	144.0	98.5%	156.0	99.0%	20.0% *	11,088,000	2,217,600	8,870,400	0.97	8,579,565
2005/06	132.0	97.5%	144.0	98.5%	20.0% *	658,874	131,775	527,099	0.95	501,447
2006/07	120.0	96.1%	132.0	97.5%	20.0% *	2,694,642	538,928	2,155,714	0.95	2,037,522
2007/08	108.0	92.4%	120.0	96.1%	20.0% *	6,336,866	1,267,373	5,069,493	0.94	4,763,826
2008/09	96.0	87.2%	108.0	92.4%	20.0% *	1,696,168	339,234	1,356,934	0.95	1,282,441
2009/10	84.0	81.5%	96.0	87.2%	20.0% *	4,724,659	944,932	3,779,727	0.94	3,561,709
2010/11	72.0	67.9%	84.0	81.5%	20.0% *	4,344,098	868,820	3,475,278	0.93	3,244,235
2011/12	60.0	52.2%	72.0	67.9%	20.0% *	10,758,290	2,151,658	8,606,632	0.94	8,063,601
2012/13	48.0	31.7%	60.0	52.2%	20.0% *	9,362,308	1,872,462	7,489,846	0.93	6,976,450
2013/14	36.0	14.1%	48.0	31.7%	20.0% *	17,207,553	3,441,511	13,766,042	0.93	12,743,049
2014/15	24.0	2.7%	36.0	14.1%	11.7% *	16,283,680	1,905,364	14,378,316	0.91	13,131,584
2015/16	12.0	0.2%	24.0	2.7%	2.5% *	17,360,457	425,703	16,934,754	0.89	15,156,265
2016/17	0.0	0.0%	12.0	0.2%	0.2% *	18,097,000	42,165	18,054,835	0.87	15,679,569
Total						\$124,617,593	\$16,948,524	\$107,669,069		\$98,924,535

* - Limited to a maximum of 20% per actuarial judgment.

(3) and (5) are from Exhibit OL-2.

(7) to 2015/16 is from Exhibit OL-13, (9). The amount for 2016/17 is from Exhibit OL-10.

(10) is based on a 3.4% interest rate and the payout pattern in Exhibit OL-2.



COOK COUNTY, ILLINOIS
OTHER LIABILITY

Exhibit OL-15

List of Large Claims
Reported Incurred Losses Greater Than \$1,000,000

Claim Number (1)	Date of Loss (2)	Claim Period (3)	Specific Self-Insured Retention (4)	Unlimited Paid Losses 11/30/14 (5)	Unlimited Case Reserves 11/30/14 (6)	Unlimited Reported Incurred Losses 11/30/14 (7)
97001561	5/13/1978	to 1994/95	Unlimited	\$4,000,000	\$0	\$4,000,000
97002759	1/1/1989	to 1994/95	Unlimited	1,898,909	0	1,898,909
97009812	3/10/1995	to 1994/95	Unlimited	0	1,000,000	1,000,000
97011535	12/10/1995	1995/96	Unlimited	0	1,500,000	1,500,000
97006027	3/11/2001	2000/01	9,500,000	1,003,000	0	1,003,000
97010892	5/24/2002	2001/02	9,500,000	0	3,000,000	3,000,000
97005940	1/1/2004	2003/04	10,000,000	2,755,053	0	2,755,053
97005940	1/1/2004	2003/04	10,000,000	4,377,358	0	4,377,358
97005996	1/13/2004	2003/04	45,334,001	45,334,001 *	0	45,334,001 *
97005005	4/29/2004	2003/04	10,000,000	5,291,386	0	5,291,386
97006613	6/5/2005	2004/05	5,000,000	0	5,000,000 *	5,000,000 *
97006619	7/12/2005	2004/05	10,000,000	1,240,707	0	1,240,707
97006656	9/27/2005	2004/05	10,000,000	0	10,000,000 *	10,000,000 *
97007512	1/1/2006	2005/06	10,000,000	2,400,000	0	2,400,000
97007544	1/1/2007	2006/07	10,000,000	2,600,000	0	2,600,000
97011714	4/1/2007	2006/07	10,000,000	0	2,200,000	2,200,000
97007633	1/20/2008	2007/08	10,000,000	0	3,000,000	3,000,000
97007415	6/9/2008	2007/08	10,000,000	0	1,500,000	1,500,000
97007489	8/29/2008	2007/08	10,000,000	4,100,000	0	4,100,000
97008215	9/28/2008	2007/08	10,000,000	0	1,000,000	1,000,000
97009513	4/27/2010	2009/10	10,000,000	0	2,000,000	2,000,000
97009813	1/17/2012	2011/12	5,000,000	0	5,000,000 *	5,000,000 *
97009834	1/17/2012	2011/12	5,000,000	0	5,000,000 *	5,000,000 *
97011159	12/30/2013	2013/14	15,000,000	0	2,000,000	2,000,000

Amounts are gross of excess insurance.

The claim(s) indicated by a "*" have been limited in development.

(1) through (7) were provided by the County.