

CCH Semi-Annual Disparities Report

Nephrology

Item # 25-0433

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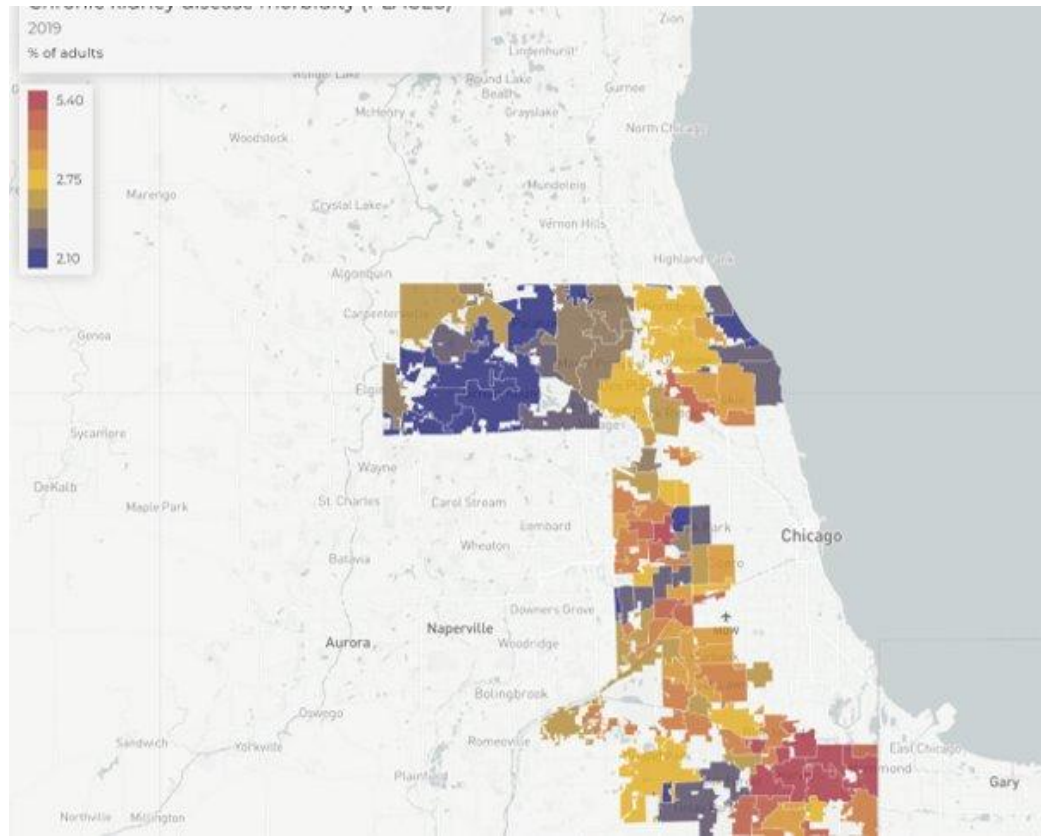
COOK COUNTY
HEALTH

Chronic Kidney Disease- Silent Epidemic

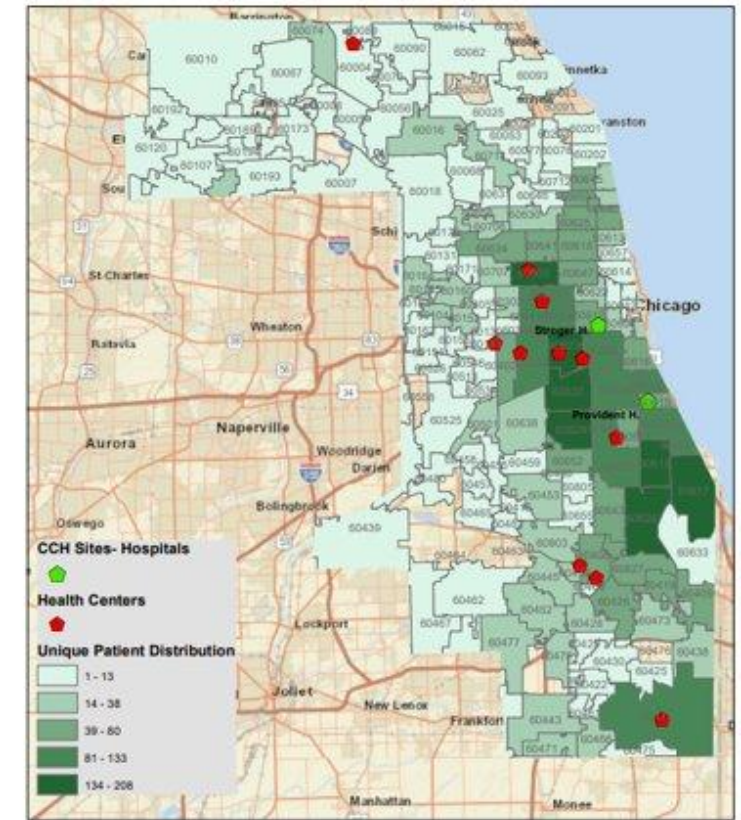
- 37 million Americans are affected by kidney disease
 - 1 in 3 adults are at risk of developing kidney disease in their lifetime
 - 1 in 3 adults with diabetes
 - 1 in 5 adults with high blood pressure may have kidney disease
- Risk of Kidney Disease
 - African Americans x 3.4 times
 - Hispanics x 1.5 times
 - Native Americans x 1.9 times
 - Asians x 1.3 times
- 9 out of 10 adults with kidney disease are unaware of their disease
- 12 people die every day while on the transplant waiting list
- Early detection of kidney disease can halt progression of kidney disease

Geographic Patterns of Chronic Kidney Disease (CKD) in Cook County

- Ambulatory nephrology care across Stroger, Provident, Blue Island, and Core Center
- CKD burden is highest in South and West Side communities (PLACES 2019 data)
- Renal clinics are located to serve high-need populations
- Clinic volume and reach align with areas of highest disease prevalence



Renal Clinics Patient Volume
2022-2023



Goal

To provide access and the highest quality of care for all individuals, ensuring that every person receives the support, resources, and clinical excellence needed to achieve optimal health outcomes.

Nephrologists – 11
Physician Assistants- 3
Advanced Practice Nurse – 1
Renal Dietitian -1

Nephrology Services

Dialysis Services

Stroger
Provident

Nephrology Clinics

Stroger
Sengstacke
Blue Island
Core Center

Nephrology Consult Service

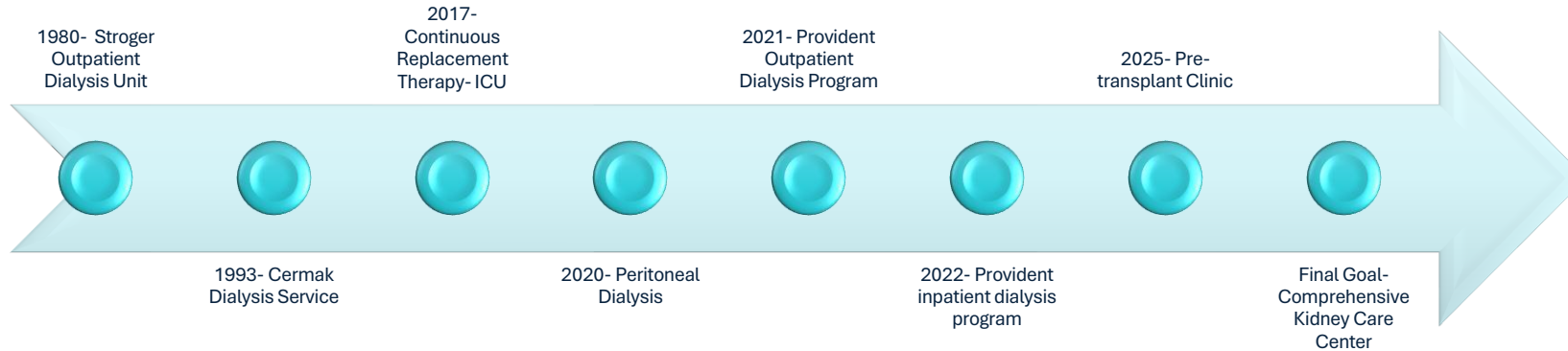
Stroger
Provident

Nephrology Procedure Service

Stroger

Education and Research

Dialysis and Transplantation



Dialysis Services

Provident
Outpatient and
Inpatient
Hemodialysis



Stroger
Outpatient and
Inpatient
Hemodialysis



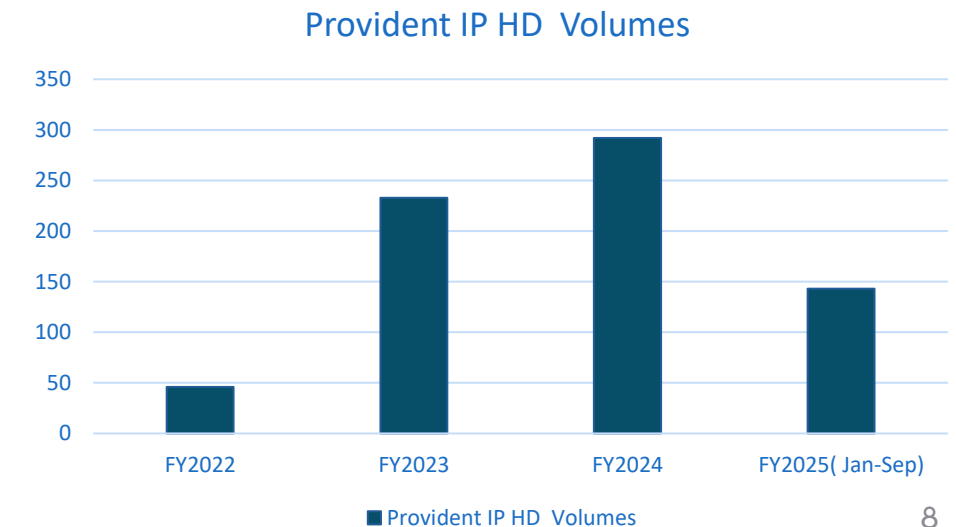
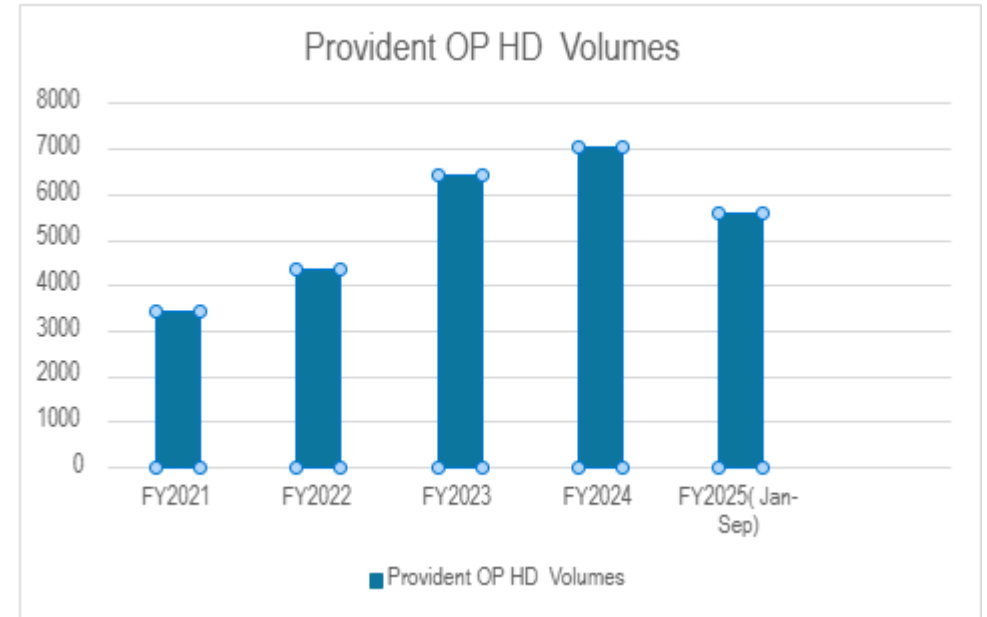
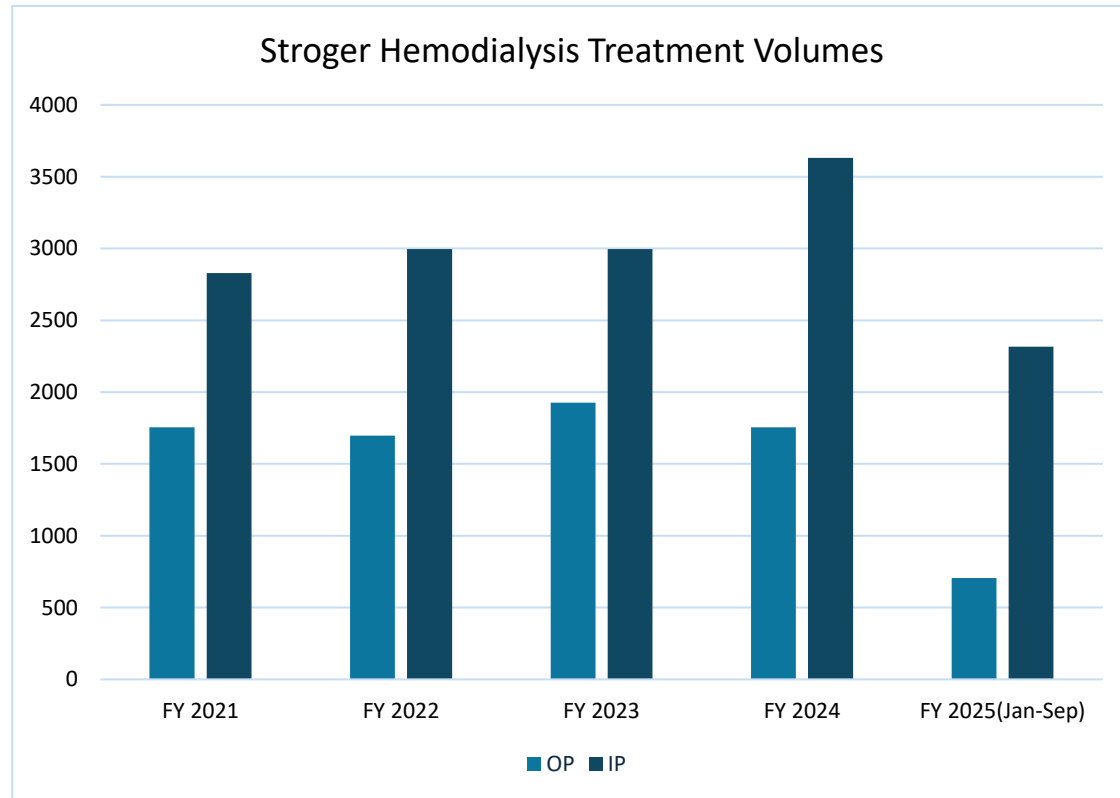
Stroger
Outpatient and
Inpatient Peritoneal
dialysis



Stroger ICU
Continuous Renal
Replacement
Therapy



Stroger and Provident Hemodialysis Treatment Volumes



Demographics and Quality Indicators of Stroger and Provident Dialysis patients

	Stroger	Provident	State	Network	National
Census (No of patients)	HD 4/ PD 33	HD 53			
Race/ethnicity	AA 27% Hispanic 62%	AA 96% Hispanic 4%	AA 37.5% Hispanic 22%	AA 37.5% Hispanic 22%	AA 34% Hispanic 24%
Arterio-venous Fistula/graft	60%	67 %	54%	54%	58%
HD Dialysis Adequacy (kt/v)	92%	98%	97%	97%	97%
PD Dialysis Adequacy(kt/v)	87%	No PD	91%	91%	92%
Average Serum Albumin(g/dl)	3.6	4	3.5	3.5	3.5

HD- Hemodialysis
 PD- Peritoneal Dialysis
 AA- African –American

Hemodialysis – IDPH Certification

- **Provident Outpatient Dialysis**

Initial Certification – April 2021

Recertification- August 2025

- **Stroger Outpatient Dialysis**

IDPH certification 2021

Anticipated Site Visit – 2025/2026

Golden Q Award- Respiratory Shield



Peritoneal Dialysis (PD) Program

Current census- 33 patients

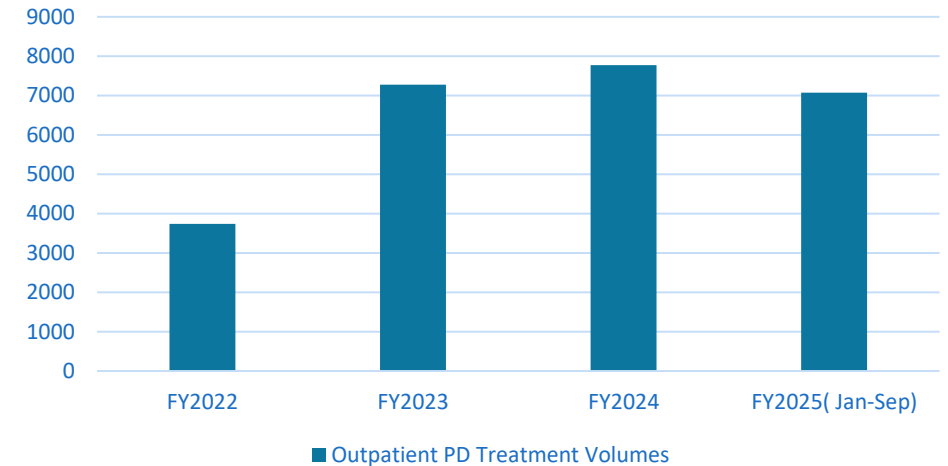
79% Hispanic

18% African American

3% Asian

- Total number of patients enrolled since inception : 60
- Total number of patients currently in this program: 33
- Discharges :
 - Transplantation – 16
 - Change in modality- 10

Outpatient PD Treatment Volumes



Peritoneal Dialysis Program

Patient Drop- out Rate

	Stroger Program	National Average
Patient Drop Rate	22%	53%

Nephrology Procedure Service

- **Ultrasound guided Renal Biopsies – 80-100 biopsies per year**
 - **Aids in early diagnosis of renal diseases**
 - **Better patient outcomes**
- **Point of Care Renal Ultrasound- In progress**
- **Outpatient Renal Ultrasound Program- In Progress**



Ambulatory Renal Services



Stroger Clinics

Clinics 5 days/ Week
40 Clinics



Sengstacke Clinics

Clinics 2days/ week
6 Clinics



Blue Island

Clinic 2 days/ week
7 Clinics

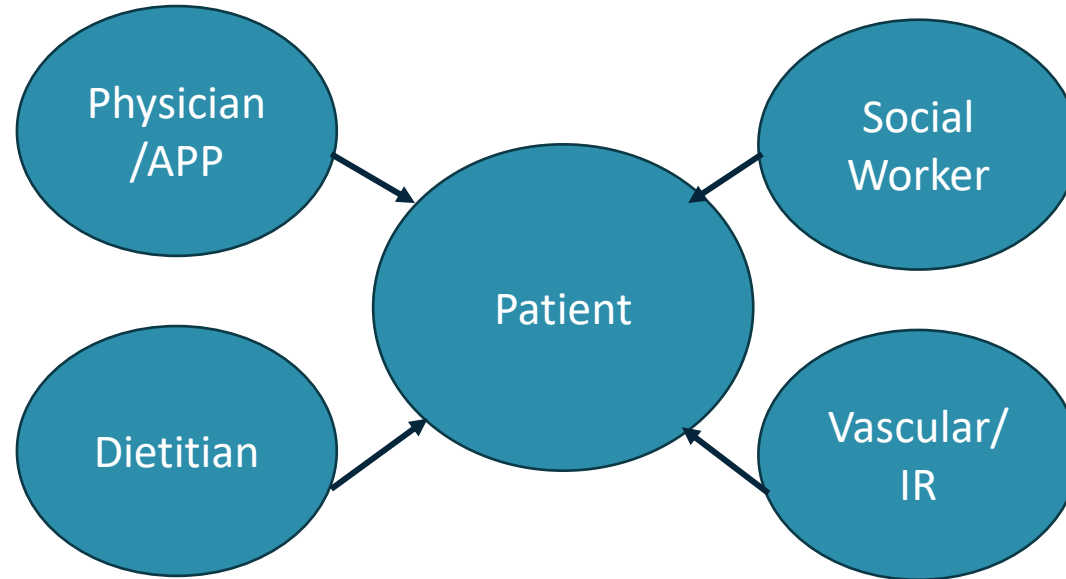


Core Center

1 clinic /week

Advanced CKD Clinic

Interdisciplinary Clinic for patients with moderate-severe kidney Disease (Patients with estimated Glomerular filtration rate less than 20)



Goal- Manage complications to maintain good quality of life and help seamless transition to dialysis and transplantation

Advanced CKD Clinic Outcomes: Safe Transition to Dialysis

- 106 individual patients seen in the clinic in 2025
 - 48 (45%) patients have Arteriovenous fistula (AVF) in place
 - 8 patients elected PD

Hemodialysis initiation in 2025 :

- 29 (27%) patients transitioned to HD
- 23 patients (79%) started as outpatient, avoiding admission
- 16 (55%) began HD with an AVF placed at initiation - well above the national average (14% in 2020)



CCH- UIC Pre-transplant Clinic

- Launched in Jan 2025
- Total no of referrals- 73
- Show rate – 75%
- Improved access to the Pre-transplant Clinic has significantly increased patient show rates for transplant workup

Demographics

African American- 35%

Hispanic – 61%

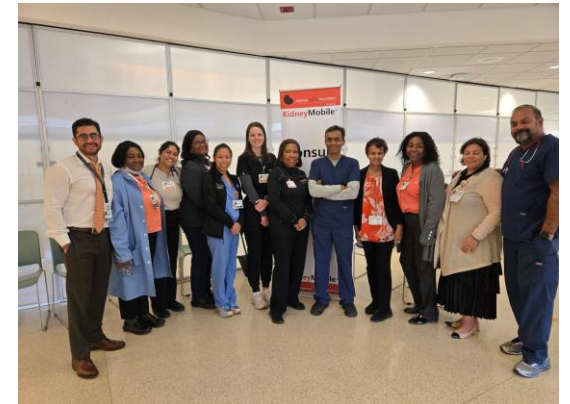


Best Clinical Practice

- Availability of genetic testing to screen for high risk APOLI genes
- System Wide adoption of modified CKD EPI equation and Cystatin C equations

Community Engagement

- Illinois Kidney Disease Prevention and Education Task Force
- National Kidney Foundation
- Renal Network



Thank you