

What's Next for Integrated Care: A Status Report and Forecast from Cook County Health & Hospitals System

HMA: Trends in Publicly Sponsored Health Care

John Jay Shannon, MD

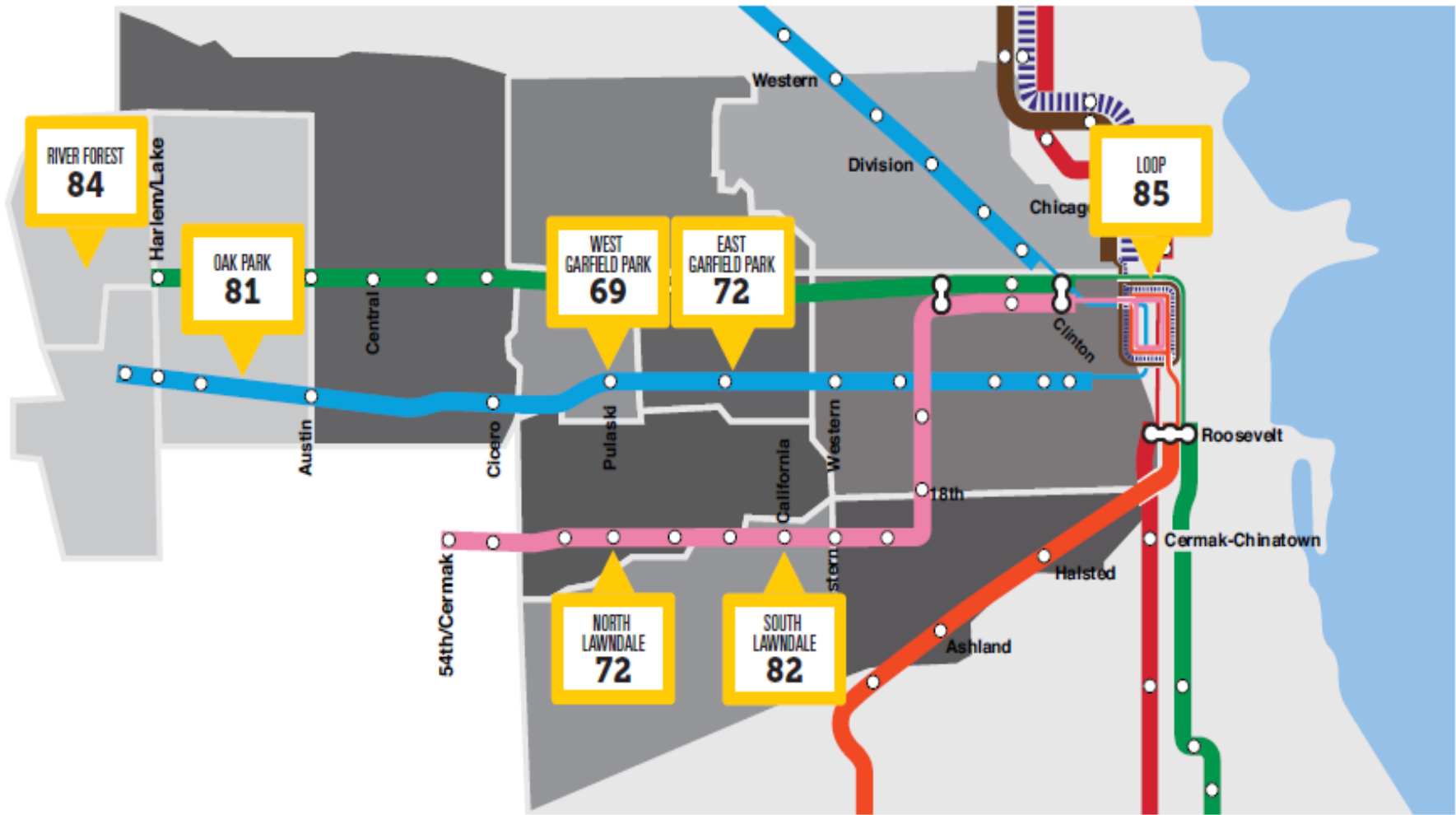
Chief Executive Officer

October 2, 2018

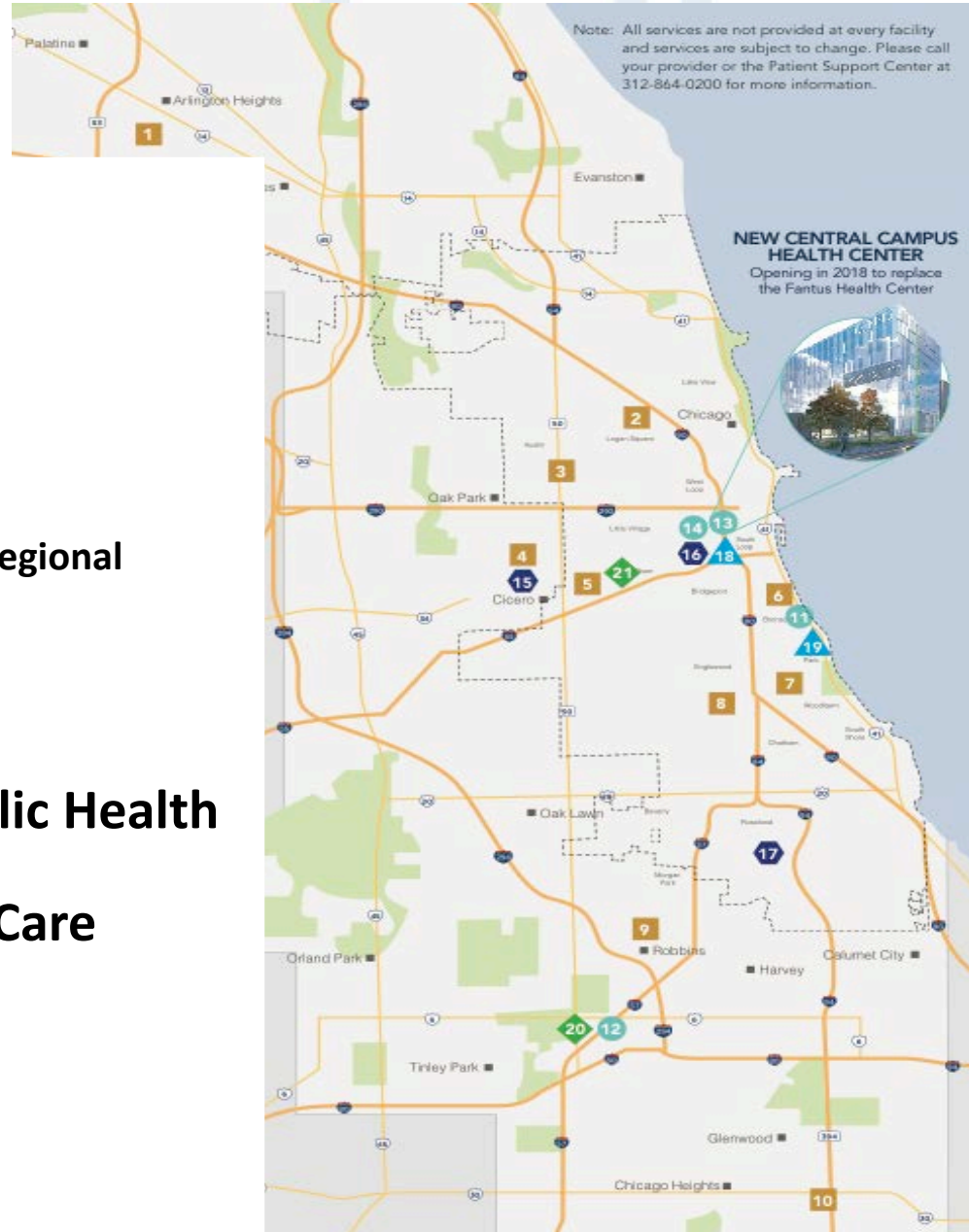


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Life Expectancy at Birth by Neighborhood



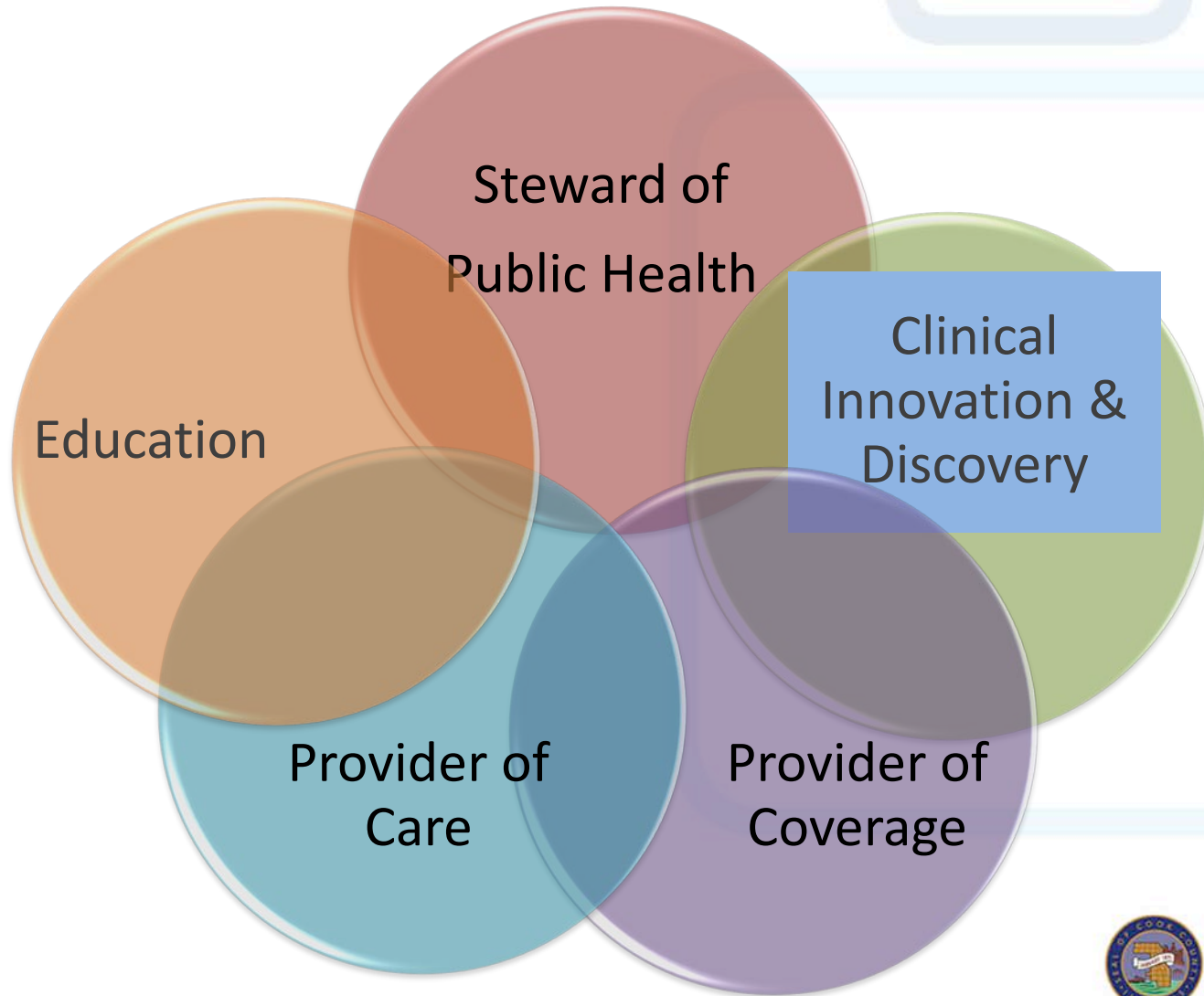
Cook County Health & Hospitals System



Clinical Services

- John H. Stroger Jr. Hospital - 450 beds
- Provident Hospital - 79 beds
- Ambulatory Health Centers
 - 13 primary care medical homes, 3 regional outpatient centers, CORE Center
- Correctional Health Services
- Cook County Department of Public Health
- CountyCare-Medicaid Managed Care Health Plan

Safety Net for Vulnerable Populations & Community Asset



Newest Member of the Family



Provider “Owned and Operated”

335,000 members

Network includes:

50+ hospitals

4,000 primary care
providers,

14,000 specialists

CRAIN'S

CHICAGO BUSINESS.

The insurance plan that got Cook County Health off life support

By Kristen Schorsch May 9, 2015

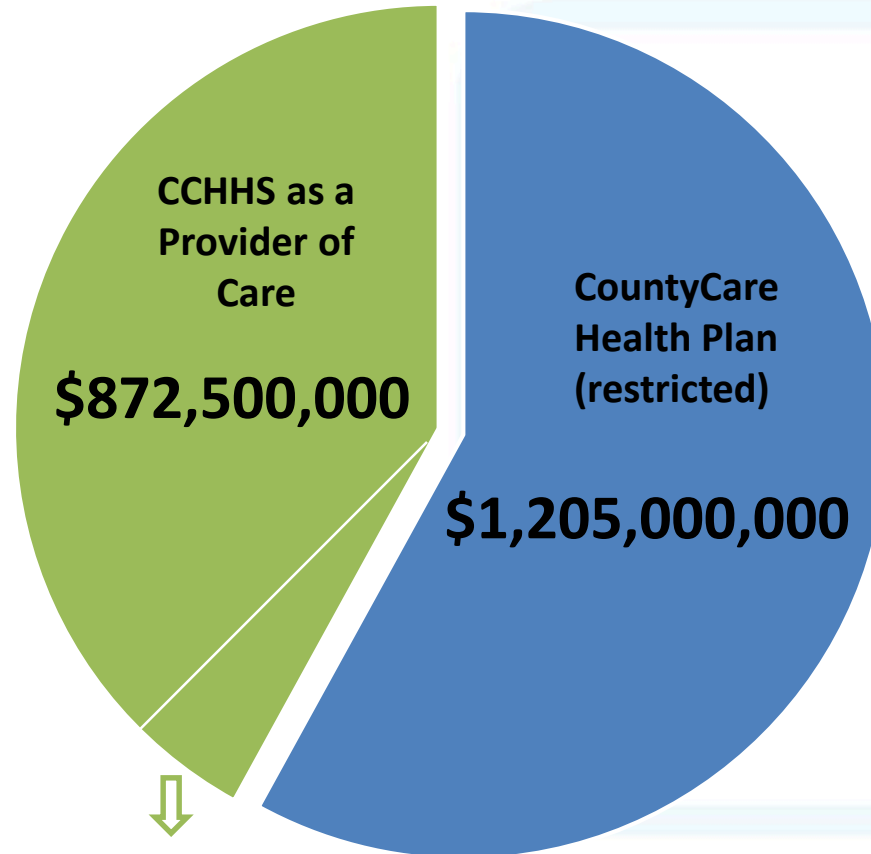
County health system outlook in 2018: More Medicaid patients, more revenue

By Kristen Schorsch August 28, 2017



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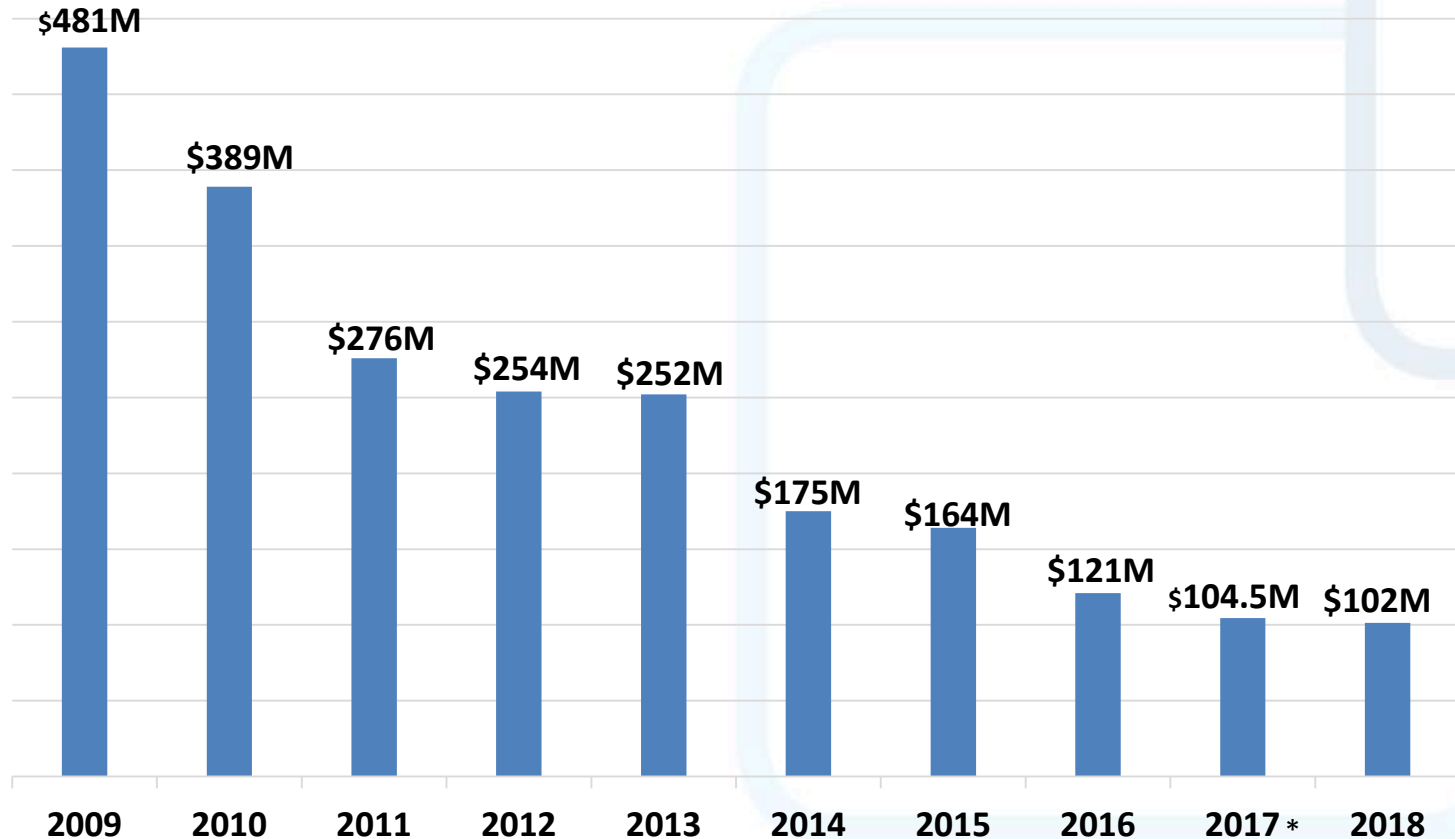
CCHHS Budget inclusive of CountyCare



\$102,000,000
Local taxpayer allocation toward
operations
(Public Health & Correctional Health)



County Health Fund Allocation to CCHHS Operating Expenses



*Adopted allocation was \$111.5M - \$7M reduction in July due to TRO on SBT

Note: Pension and Debt Service not included. Until 2016, Cook County Government provided capital funding in addition to the allocation.

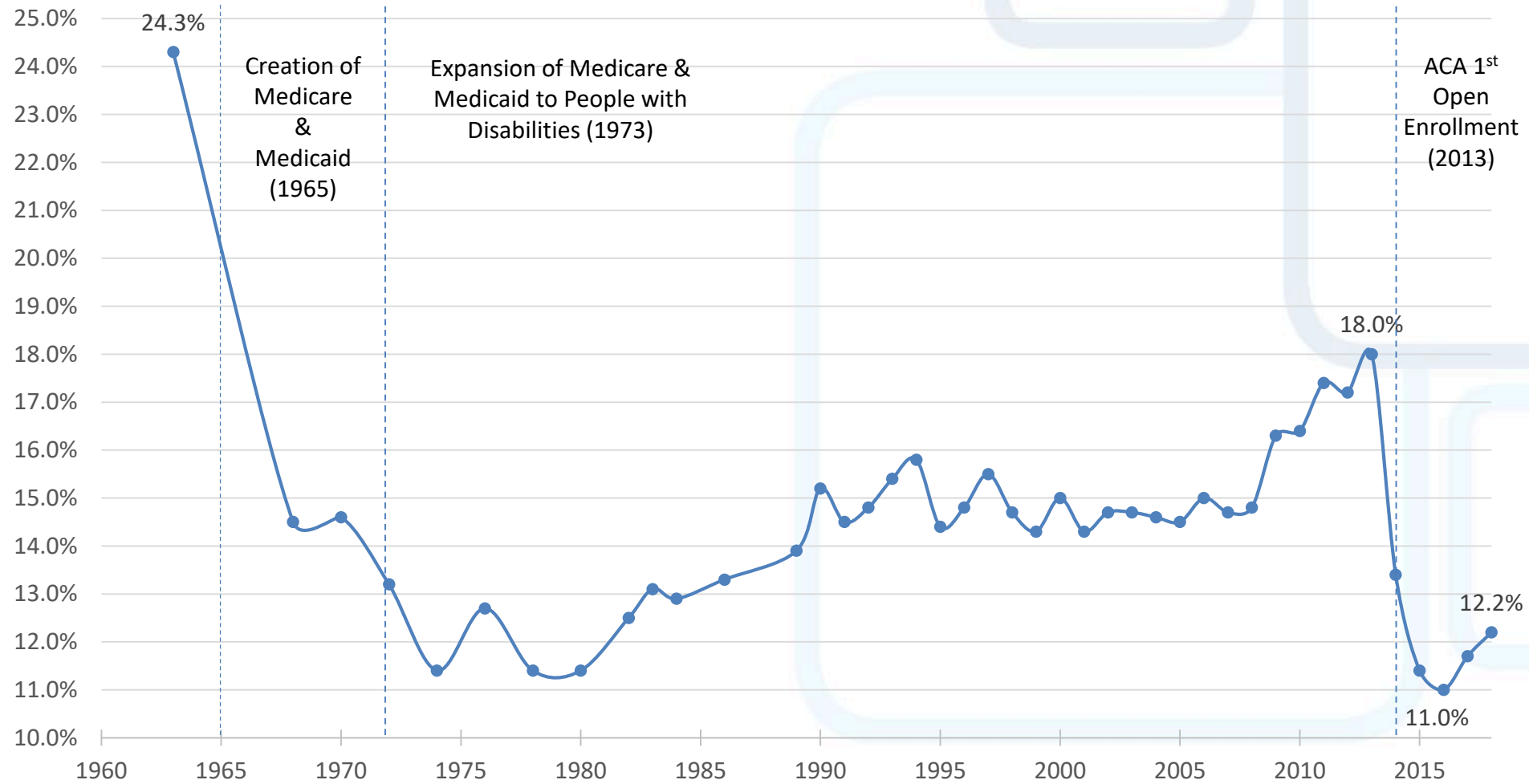


Charity Care in Cook County

	2013 Charity Care	% of all charity care	2016 Charity Care	% of all charity care	\$\$ Change 2013-2016
All Hospitals in Cook County	\$690M		\$543M		↓ 21%
Stroger and Provident	\$257M	37%	\$266M	49%	↑ 3%



Uninsured in the United States

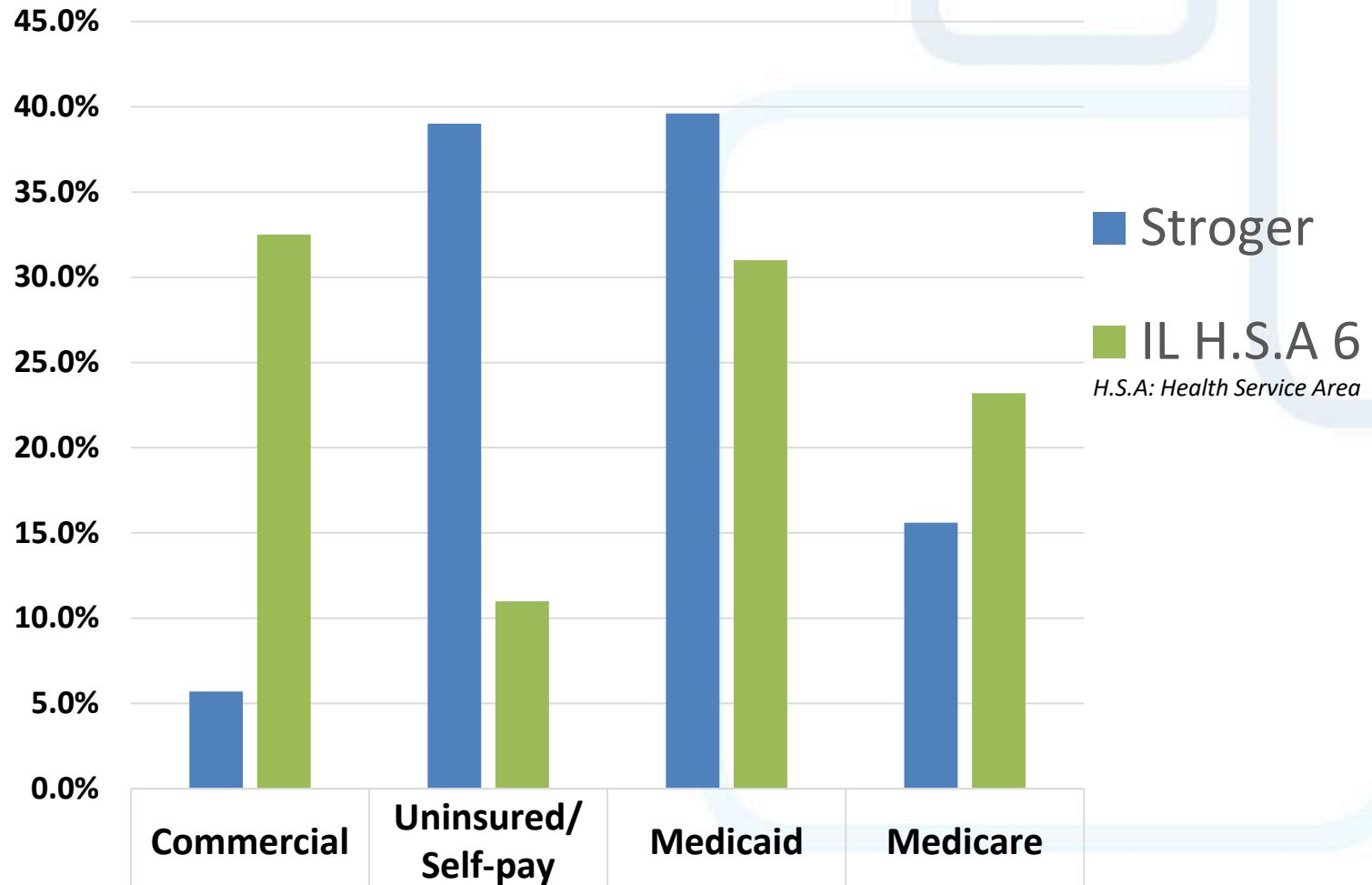


Source: <http://www.gallup.com/poll/193556/uninsured-rate-remains-historical-low.aspx?version=print>



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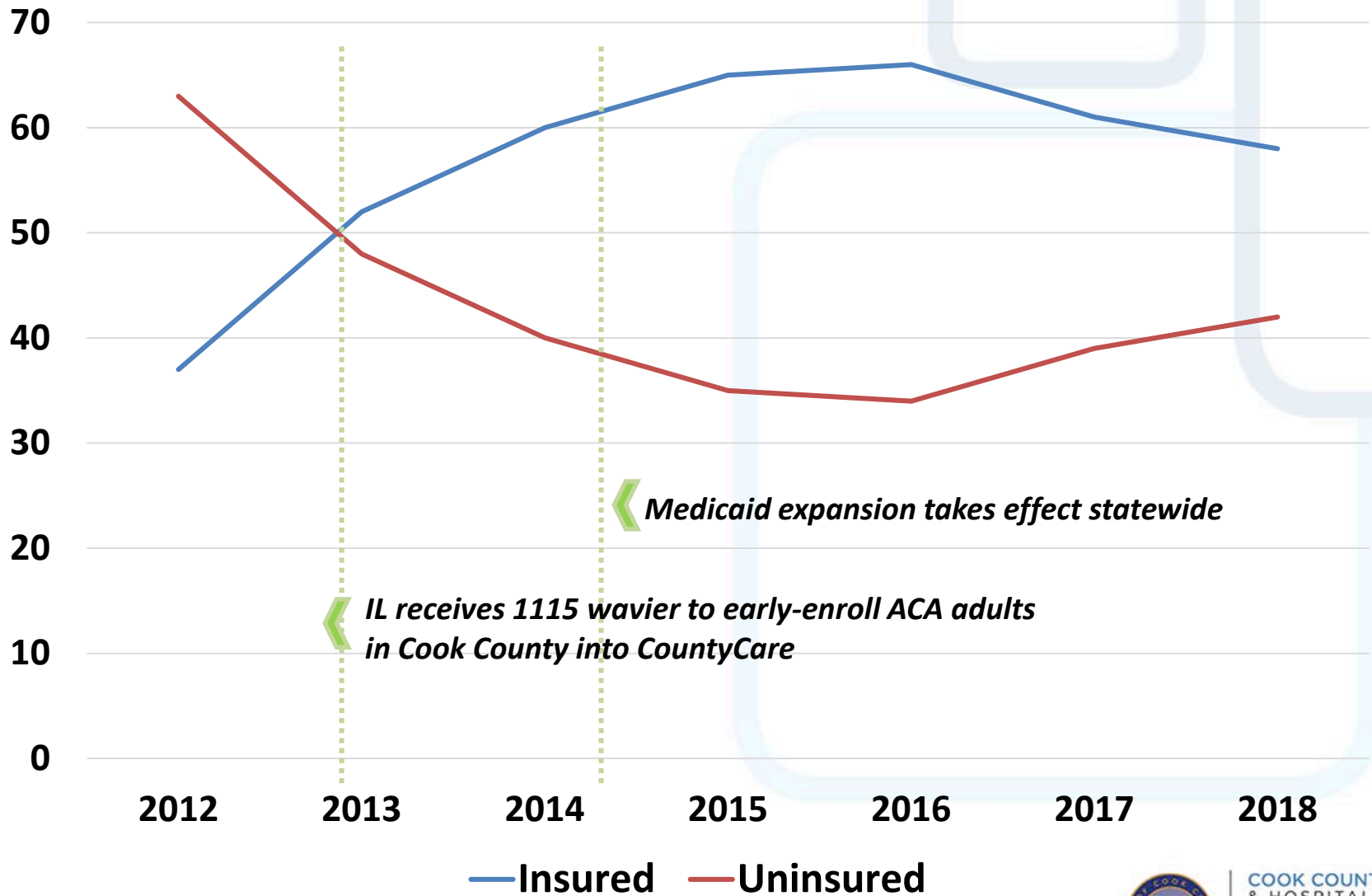
Payer Mix Comparison - 2016



■ Stroger	5.7%	39.0%	39.6%	15.6%
■ IL H.S.A 6	32.5%	11.0%	31.0%	23.2%



Insurance Status of CCHHS Patients



Direct Access Program

Launched in 2017

Through June 2018,
more than 30,000
individuals were
enrolled in the
program;

**87% with income 200%
or less FPL.**

WBEZ91.5

Cook County Working On A Managed
Health Care Plan For Uninsured Residents
September 14, 2016

CHICAGO SUN-TIMES

Cook County launches new program for the
uninsured
September 14, 2016

Chicago Tribune

Cook County to start program to help
uninsured get health care
September 14, 2016



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WHEN BEHAVIORAL HEALTH COSTS ARE EATING YOUR LUNCH



CountyCare Substance Use Disorders and Behavioral Health Claims

For Claims Paid 1/1/2017 – 12/31/2017

- \$47 million or 8.3% of total cost
 - Not inclusive of pharmacy
 - Does not account for related physical health costs
- 3% of enrollees (same prevalence as chronic cardiovascular, endocrine and respiratory conditions) with roughly 10% of spend.

BUILDING A BEHAVIORAL HEALTH STRATEGY FROM SCRATCH



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Component Parts of the Strategy

- **Developing & Maturing Partnerships**
 - Behavioral Health Consortium
 - Justice Advisory Council
 - Courts, law enforcement, policy-makers
 - Acute Care Hospitals & State Run Mental Health Hospitals
 - Community-Based Providers
 - Triage Centers
 - Foundations
 - Grants, credibility
- **Building Internal Capacity/Services**
 - Integration of Behavioral Health into Primary Care homes
 - Behavioral Health Access Line
 - Care Management
 - Medication Assisted Treatment
 - Correctional Health & Primary Care



Behavioral Health Access Line

- 8:00AM – 6:00PM Monday- Friday
- Licensed Clinical Social Workers
- Linkages to care through the Behavioral Health Consortium
- 450 – 800 calls per month from patients, CountyCare members and social workers.



Justice-Involved Strategies

- **Detox unit** at Cook County Jail
 - Average 25 detainees/day into detox unit
 - 10,000 patients cared for annually in detox unit
- **Naloxone** education and distribution at Cook County Jail
- LCSWs in the **pre-trial service** area at Cook County courthouse screen and refer for treatment 60 to 100 clients per month
- **Assisted Outpatient Treatment** - a civil commitment process for those with severe mental illness who have cycled through the behavioral health and/or justice system. Working with several local hospitals and the state mental hospitals to provide this extensive discharge support for their complex patients.



Medication Assisted Treatment

- Medication assisted treatment a “joint venture” with the department of psychiatry, ambulatory care and family medicine.
- Provision of buprenorphine and naloxone (Suboxone) and naltrexone (Vivitrol) in primary care sites.
- Recovery coaches support the efforts in medical homes.
- Services offered in 11/13 medical homes at present.
- Recovery coaches in Stroger Hospital Emergency Department for education and linkages for patients with opioid use disorders.



BH-Specific Care Management

- Two dedicated LCSWs provide in-depth support to 80 patients monthly hospitalized for medical complications of substance use disorder.
- Transition of care for patients hospitalized at acute care facilities. Team visits before discharge, supports linkages and stays connected until treatment well established.



EXPANSION OF CARE MANAGEMENT



Within the Health Plan

- It is the “managed” in Managed Care
- Required for at-risk capitation
- Conceptual model: Health Risk Assessments to risk stratification to connection with community resources to improved health status



Within the Provider

Financial & Regulatory Necessity

Leveraging Technology

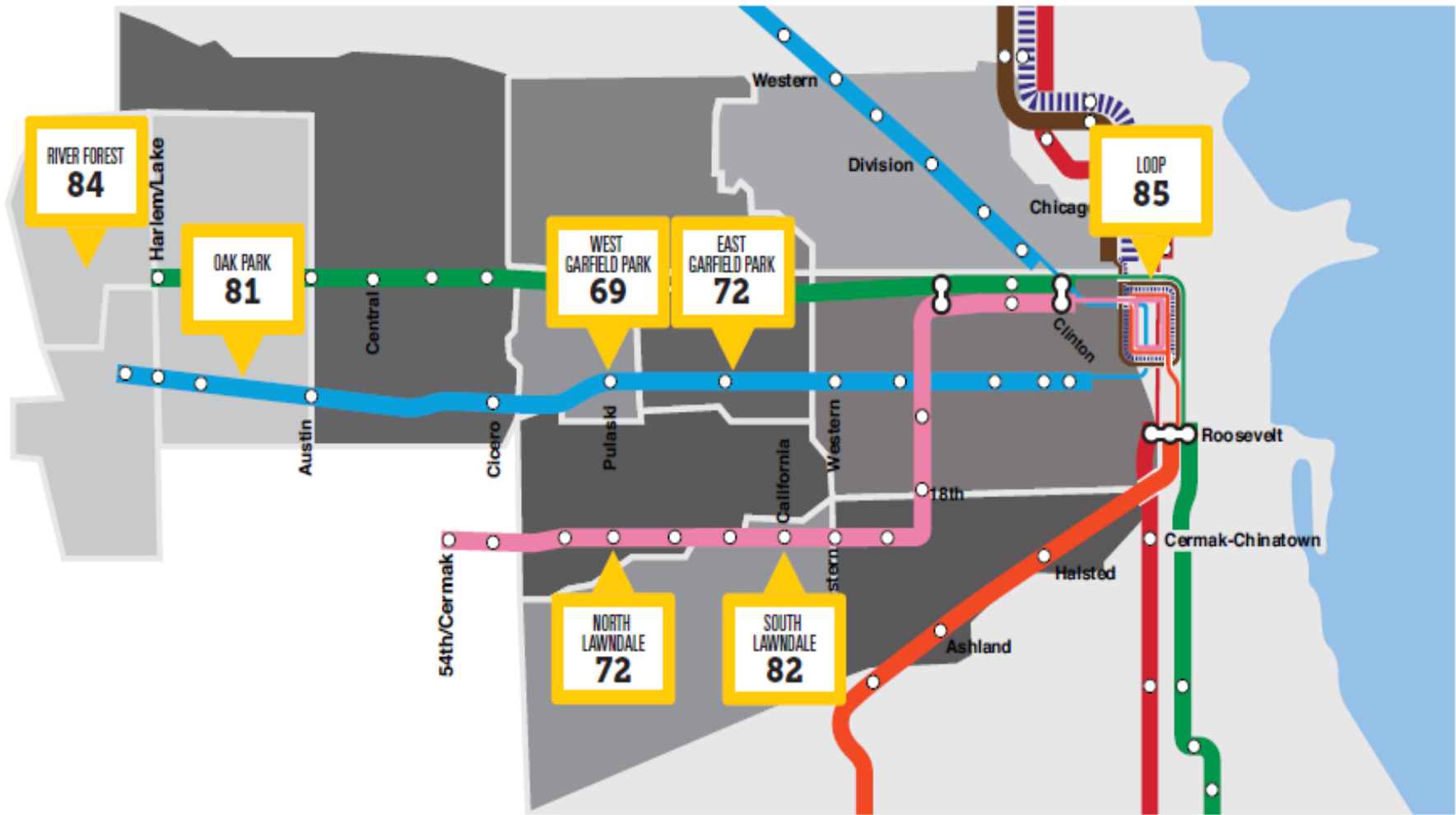
- Medical Home Network “MHN Connect”
- eConsult
- HIV Care
 - Project Connect
 - West Side United



SOCIAL DETERMINANTS OF HEALTH



Life Expectancy at Birth by Neighborhood



Assessing and Addressing Social Determinants

Problem: Food Insecurity As of 2014, 48.1 million Americans were living in food-insecure households, including 32.8 million adults and 15.3 million children.

In CCHHS' primary care homes, 30% screen positive for food insecurity

CCHHS Response  Partnership with GCFD

- Screen
- SNAP application assistance, food pantry information
- Fresh Food Truck Initiative



Assessing and Addressing Social Determinants

Problem: Housing Nearly 19 million low-income U.S. households pay over half of their income on housing, and more than 600,000 people have no home at all. In Illinois 26% of all 'renter' households are housing insecure.

20% of CountyCare members enrolled during the waiver are “concerned about a place to sleep tonight or in near future.”

CCHHS Response Internal Capacity Building and Partnerships

- Homeless Opioid Use Disorder Program
- Partnership with Housing+ in Suburban Cook
- Partnership with All Chicago in City of Chicago for Rental Subsidies
- Partnership with Housing Forward to assist Behavioral Health patients

Sources:

<http://www.housinginsecurity.org/>



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Assessing and Addressing Social Determinants

Problem: Substance use impact in Cook County

Mortalities in Cook County*	2015	2016	2017
Motor Vehicle Accidents	277	278	335
Gun Violence	602	805	743
Opioids <i>(Heroin, Fentanyl, others)</i>	647 <i>(103)</i>	1,000+ <i>(562)</i>	≈1,100 <i>(TBD)</i>

CCHHS Response

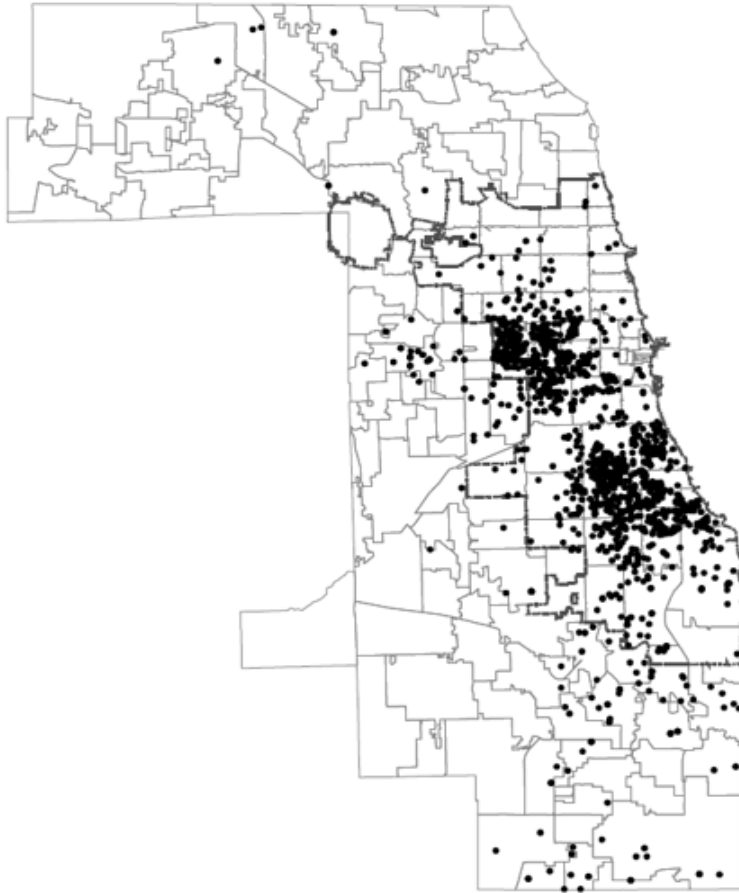


- Medical Assisted Treatment in Medical Homes
- Medical Assisted Treatment in Correctional Health
- Community Triage Centers
- Safe prescribing in ED, Hospital, Ambulatory Care
- Advanced Analytics

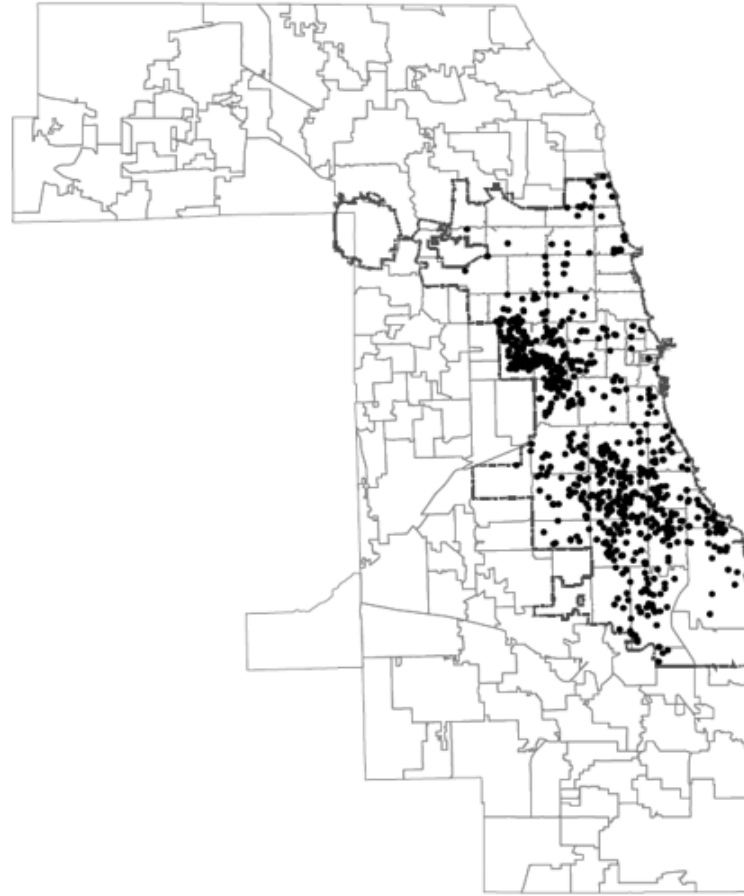


Geographic Distribution of Firearm Violence: Cook County

Cook County residence of patients with *nonlethal firearm injury* in the Stroger Hospital Emergency Department, 2012-2016

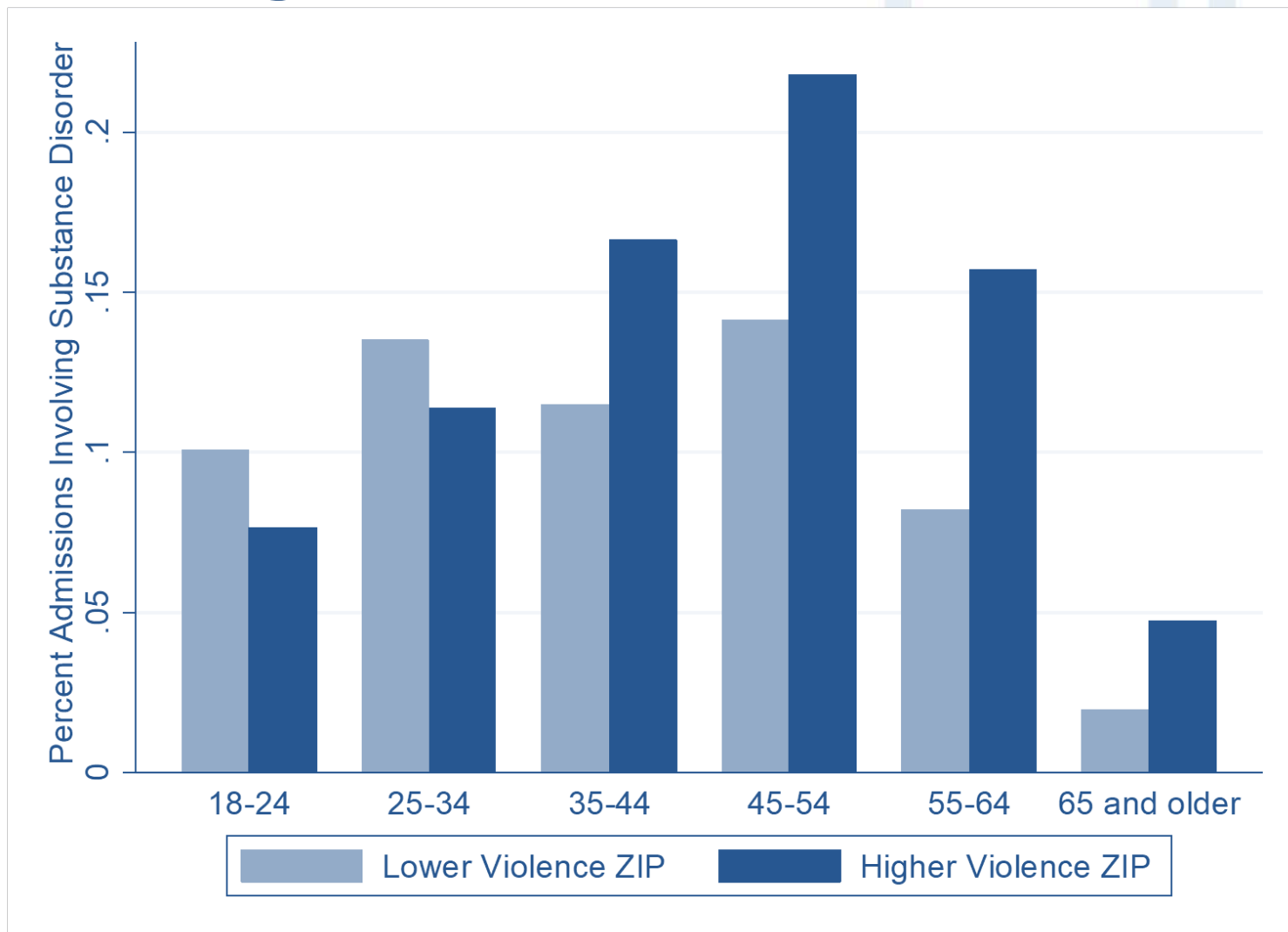


Location of *homicides* in the City of Chicago, 2016



*Chicago boundary denoted by the darker solid line inset within the borders of Cook County

Substance Use Admissions Stroger Hospital, 2012 to 2016



~Older individuals living in high violence zip codes more likely to be admitted for substance use disorder

Prescription Opioid Use Patterns Among Non-Cancer Chronic Users: A Social Network Analysis

Results

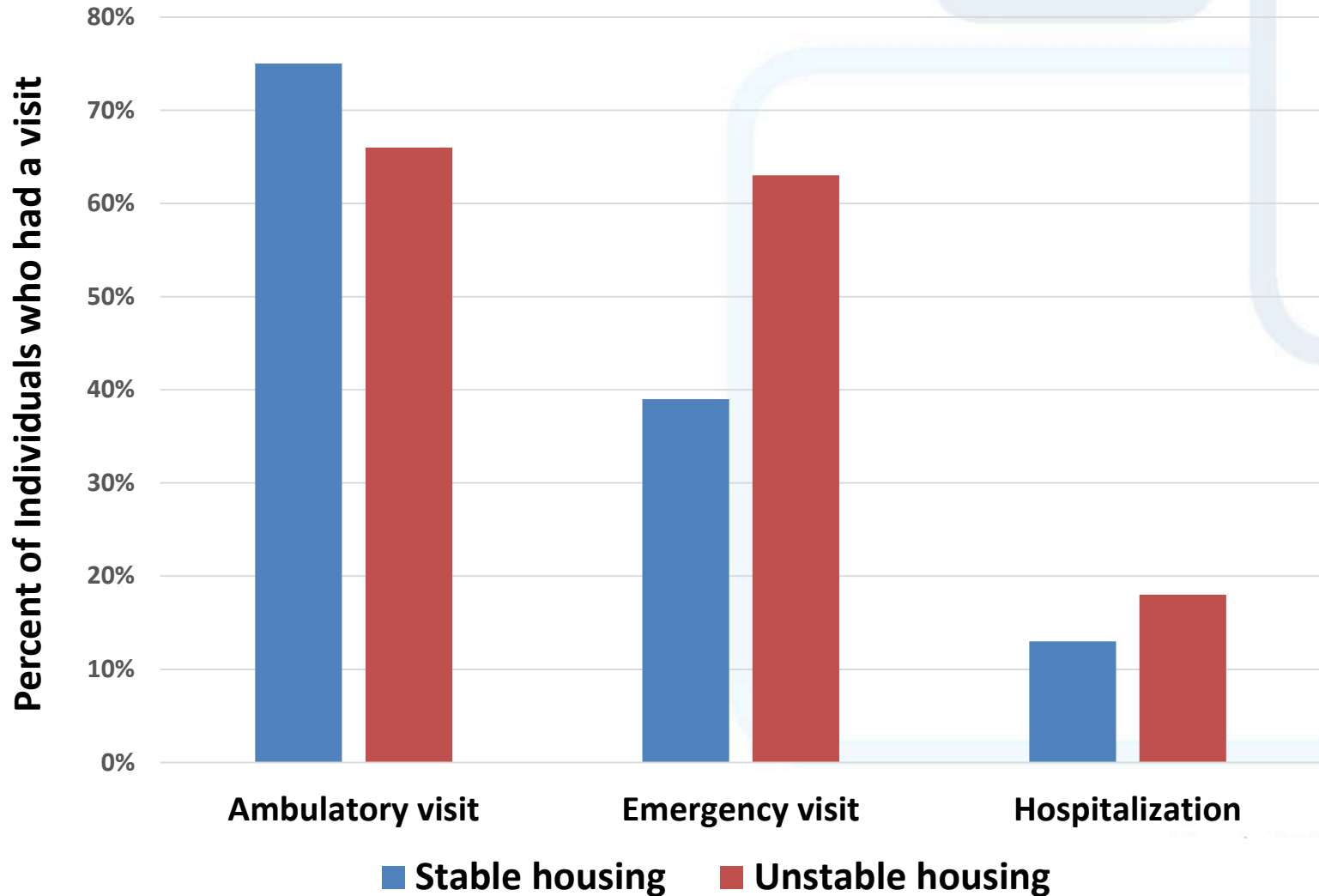
- Close to one of four chronic opioid recipients were exposed to high-risk opioid doses; more often from multiple prescribers with overlapping prescriptions.

Analysis

- Prescribers in the social network's periphery (less connected) were at greater risk of high-risk prescribing.
- Efforts to improve prescribing should focus on prescribers in isolated, non-integrated practices where risk of discoordination (overlapping prescriptions from multiple providers) was highest.



Health Services Use 2016: Stable vs Unstable Housing



Primary Diagnosis for Emergency Department Visit

Diagnosis	N=21,672	%
Repeat prescription	1028	4.7
Etoh abuse w/ intoxication	711	3.3
Suicidal ideation	615	2.8
Chest pain, unspecified	551	2.5
Asthma	540	2.5
Abdominal pain, unspecified	395	1.8
Headache	342	1.6
Cough	318	1.5
Rash	248	1.1
Short of breath	244	1.1
Major depressive disorder	235	1.1

Behavioral health conditions:
7.8% of visits



In The End, We Have

The Whats

- ACA led to substantial coverage in IL & CC
 - Increased access to BH services and care coordination
- CCHHS has successfully changed its 180 year model to adapt

And the What Ifs

- What if...all these changes don't impact health status and recidivism?
- What if...the ACA is repealed?
- What if...Medicaid funding decreases?



Questions?



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