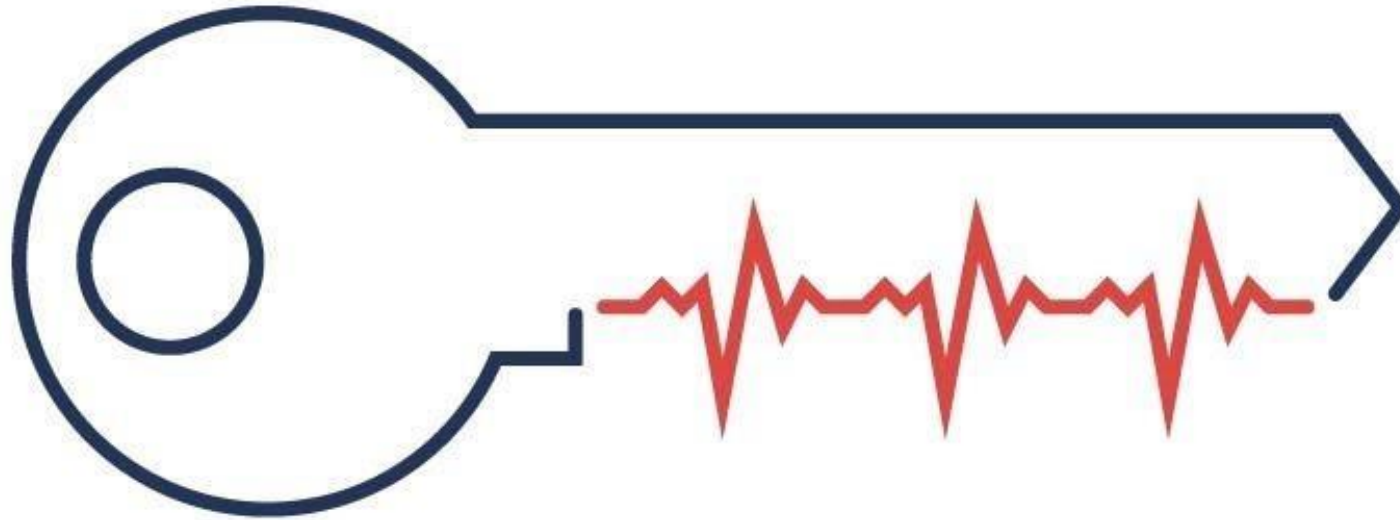


# Chicago & Cook County



## FLEXIBLE HOUSING POOL

National Healthcare for the Homeless Conference  
Baltimore, Maryland  
May 2023

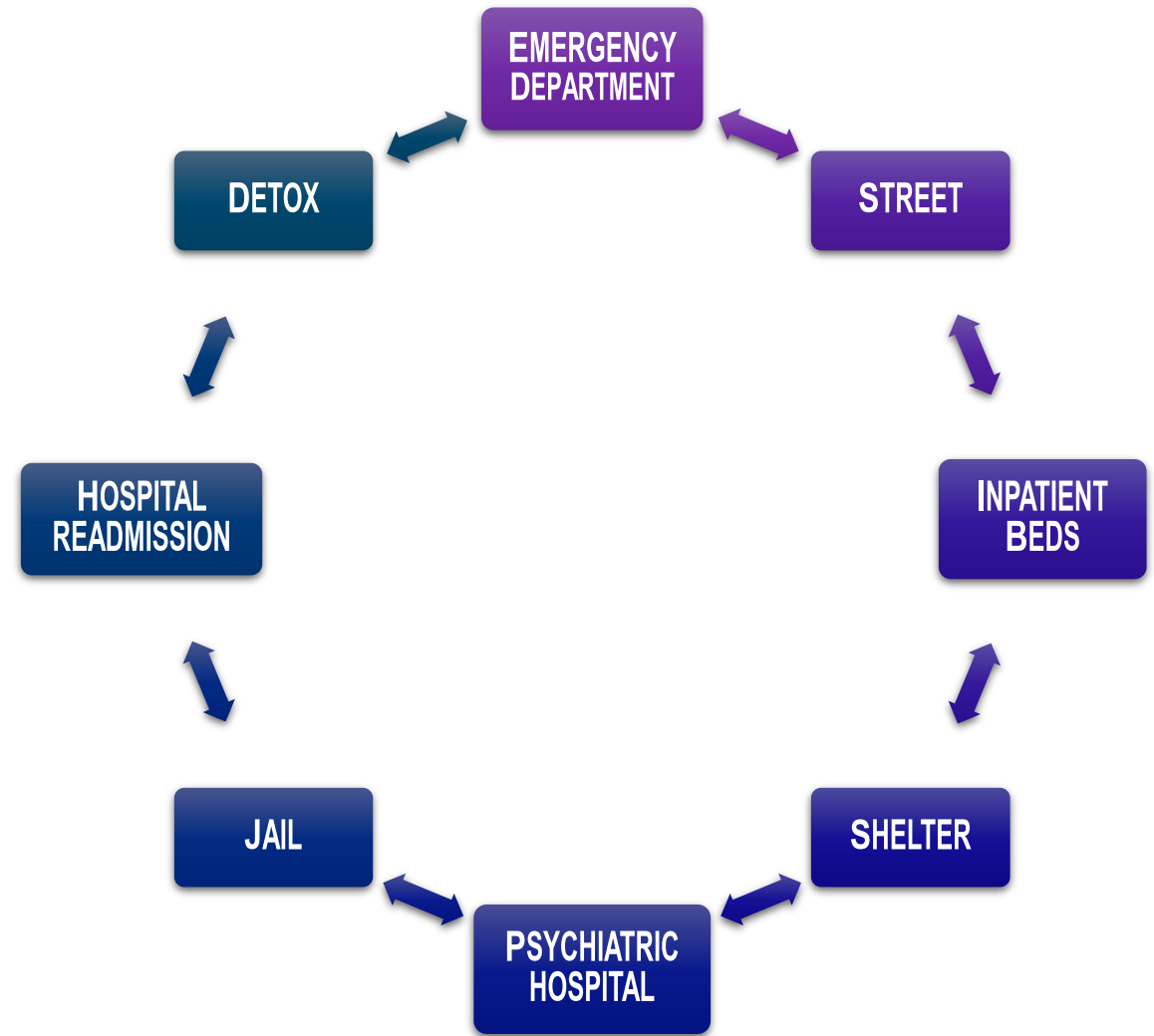
# Objectives

- 1. Participants understand new ways to integrate housing and healthcare systems**
- 2. Participants understand the outcomes of a novel program design**
- 3. Participants can apply at least one unique element in their community**

# Why the Flexible Housing Pool?



# The Challenge: People Experiencing Homeless Cycle Through High Cost Settings



# VISION

**All Cook County residents who experience homelessness and interact with public crisis systems will have a stable home and access to the health care they need.**

**Within 10 years, the Flexible Housing Pool aims to serve 5,000 people.**

# Core Values

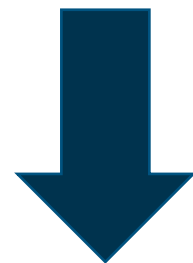
- Racial Equity
- Housing First
- Authentic Lived Expertise  
Collaboration
- Positive Youth Development



# Goals



Housing stability  
Health outcomes  
Outpatient utilization  
Affordable housing market



ED and Inpatient Utilization  
Jail stays  
Emergency shelter days  
Crisis Services  
Gun Violence

# Supportive Housing





# Evaluation Summary Highlights

- 1) **Assembled a cross-sector dataset from 7 data contributing agencies involving 52,674 distinct individual records to rigorously evaluate FHP client-level outcomes**
- 2) **FHP served clients identified as Black/African American among 71% of the Adult and 84% of the Youth Cohorts.**
- 3) **Across the FHP Adult and Youth Cohorts, the rate of 12-month retention in stable housing was 94%.**
- 4) **Participants of FHP compared to matched controls experienced a:**
  - **30% reduction in all-cause mortality during the pandemic when opioid-related fatalities doubled among people experiencing homelessness.**
  - **33% reduction in inpatient days**
  - **19% reduction in emergency department visits**
  - **22% reduction in jail registrations**
  - **Reductions in utilization and attendant costs were greater for clients with diagnoses related to substance use disorder or mental illness.**
- 5) **The cumulative cost offset from the reductions in crisis system utilization by the Adult Cohort was \$1.4 million over 2020 and 2021.**

# Data Contributors to the Fully Anonymized Analytic Dataset

Data Source	Data Description	Dates
All Chicago	Emergency shelter & street outreach service record in the Chicago Continuum of Care (CoC)	2018-2021q3
All Chicago	FHP inception cohort candidate list from the Chicago CoC	2017-2018
Alliance to End Homelessness in Suburban Cook County	Emergency shelter & street outreach service record in the suburban Cook CoC	2018-2021
Center for Housing & Health	Outreach and supportive services to clients targeted for FHP	2019-2022
Cook County Health	Health system record in 2 hospitals, 15 adult community health centers, registration in Cook County Jail	2016-2021
CountyCare	Healthcare claims of the largest Medicaid managed care plan in Cook County	2016-2021
Cook County Medical Examiner	Forensically Examined Deaths in Cook County	2018-2021
Illinois Department of Public Health Hospital Discharge	Utilization of emergency and hospitalizations in Cook County	2018-2021

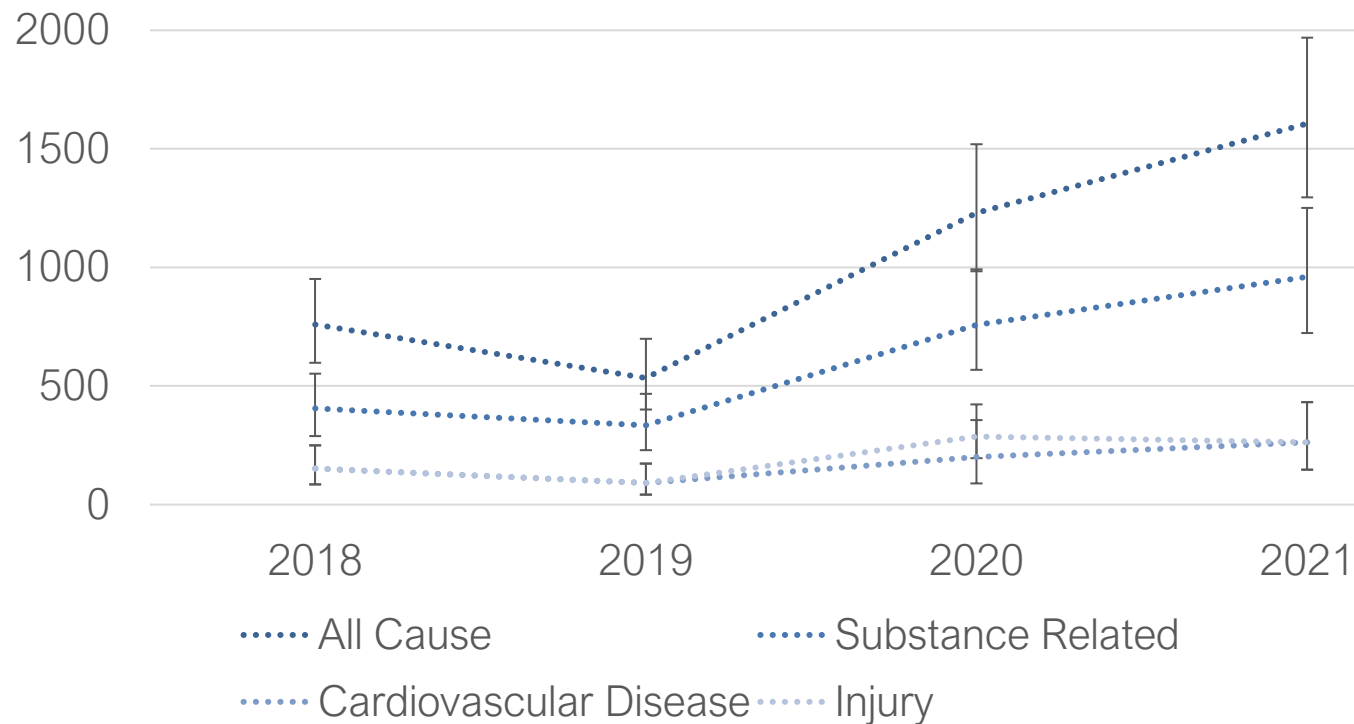
# Characteristics of FHP Housed Clients through 2021

	Adults	Youths			
N	206	230	Top 15 Clinical Classification Software (CCS)* Diagnoses, 2018-2021		
<i>Housed year, n(%)</i>			Non-CCS code	189 (92)	165 (72)
2019	50 (24)	0	Other specified status	125 (61)	41 (18)
2020	46 (22)	33 (14)	Essential hypertension	116 (56)	10 (4)
2021	110 (53)	197 (86)	Schizophrenia spectrum and other psychotic disorders	61 (30)	14 (6)
<i>Age category, n(%)</i>			Alcohol related disorders	95 (46)	15 (7)
<18	0	47 (20)	Musculoskeletal pain, not low back pain	122 (59)	54 (23)
18-24	15 (7)	183 (80)	Asthma	75 (36)	44 (19)
25-34	31 (15)	0	Suicidal ideation/attempt/intentional self-harm	56 (27)	19 (8)
35-44	32 (16)	0	Fluid and electrolyte disorders	83 (40)	17 (7)
45-54	75 (36)	0	Opioid-related disorders	68 (33)	2 (1)
55+	53 (26)	0	Depressive disorders	85 (41)	32 (14)
<i>Sex category, n(%)</i>			Bipolar and related disorders	65 (32)	12 (5)
Other	13 (6)	11 (5)	Heart failure	17 (8)	0 (0)
Female	67 (33)	148 (64)	Stimulant-related disorders	73 (35)	4 (2)
Male	126 (61)	71 (31)	Abdominal pain and other digestive/abdomen signs and symptoms	101 (49)	101 (44)
<i>Race category, n(%)</i>			Cook County Health Record, 2016-2021, n(%)		
Other	22 (11)	16 (7)	Absent CCH record	36 (17)	62 (27)
Black/African American	146 (71)	194 (84)	CountyCare only	30 (15)	101 (44)
Latinx	16 (8)	17 (7)	Health system only	32 (16)	31 (13)
White	22 (11)	3 (1)	Both CountyCare and Health system	108 (52)	36 (16)
			Jail registration	78 (38)	54 (23)

\*<https://www.hcup-us.ahrq.gov/toolssoftware/ccs10/ccs10.jsp>

# Mortality Among People Experiencing Homeless During the Pandemic

Crude Mortality (95% CI) per 100,000 among Utilizers of Emergency Shelters or Street Outreach Services in Chicago and Suburban Cook County, 2018-2021



Comparison of Estimated 2021 Mortality Rate per 100,000		
Chicago/Suburban Cook		
	HMIS	US*
All Cause	1606	842
Substance/Overdose	960	30
Cardiovascular	262	173
Injury	262	49

\*<https://www.cdc.gov/mmwr/volumes/71/wr/mm7117e1.htm>

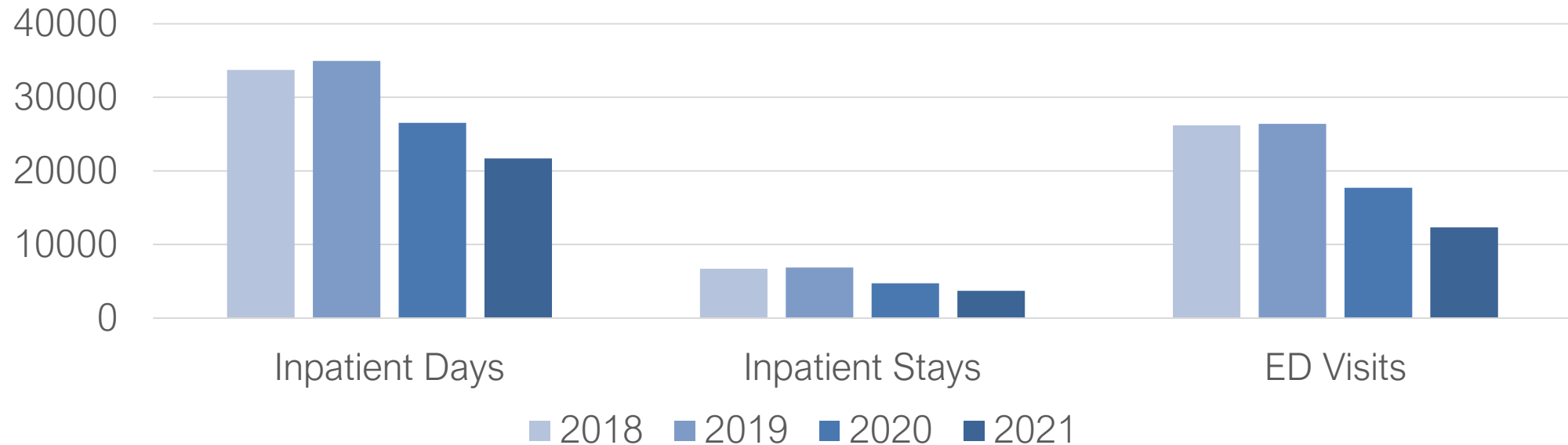
\*<https://www.cdc.gov/drugoverdose/deaths/index.html>

# Estimated Mortality Reduction among FHP Housed Clients Compared to Matched Controls

Matching Method	N	Odds Ratio	95% Confidence Interval
Nearest neighbor matched comparison with caliper 0.1	708	0.63	(0.27, 1.48)
Inverse probability of treatment weights	6487	0.72	(0.31, 1.64)
Standardized mortality ratio weights	6487	0.75	(0.36, 1.54)
Within overlapping propensity score values	5793	0.77	(0.34, 1.75)

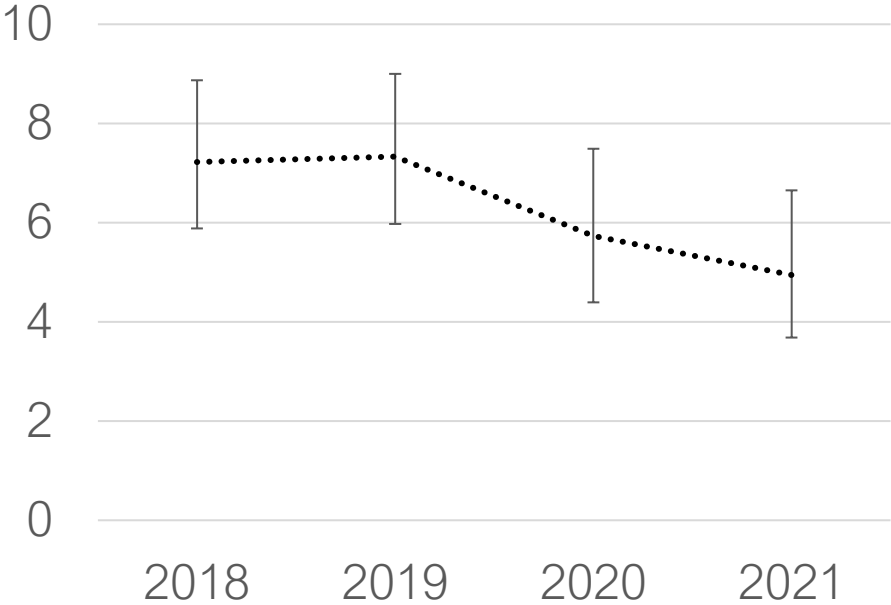
# Crisis System Utilization Across Cook County by the Denominator Population Declined through the Pandemic Years

Cumulative Annual Utilization of Hospitals in Cook County by the HMIS Persistent Utilizers (N=5790) of Chicago and Suburban Cook CoC, 2018-2021

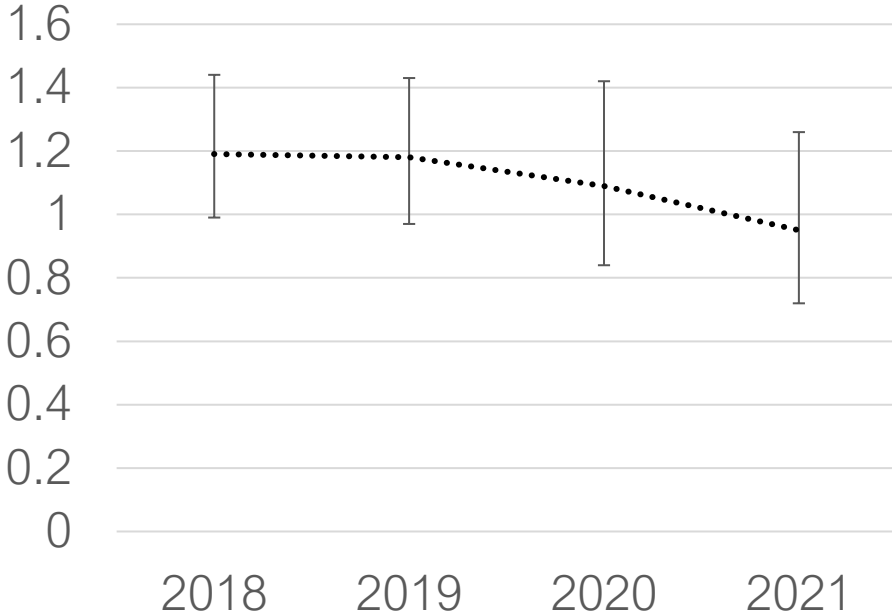


# FHP Housed Adults Experienced Greater Reductions in Crisis Healthcare Utilization Compared to Matched Controls

IRR between FHP Housed vs. Matched Controls of Incurring Inpatient Days During each CY, N=550

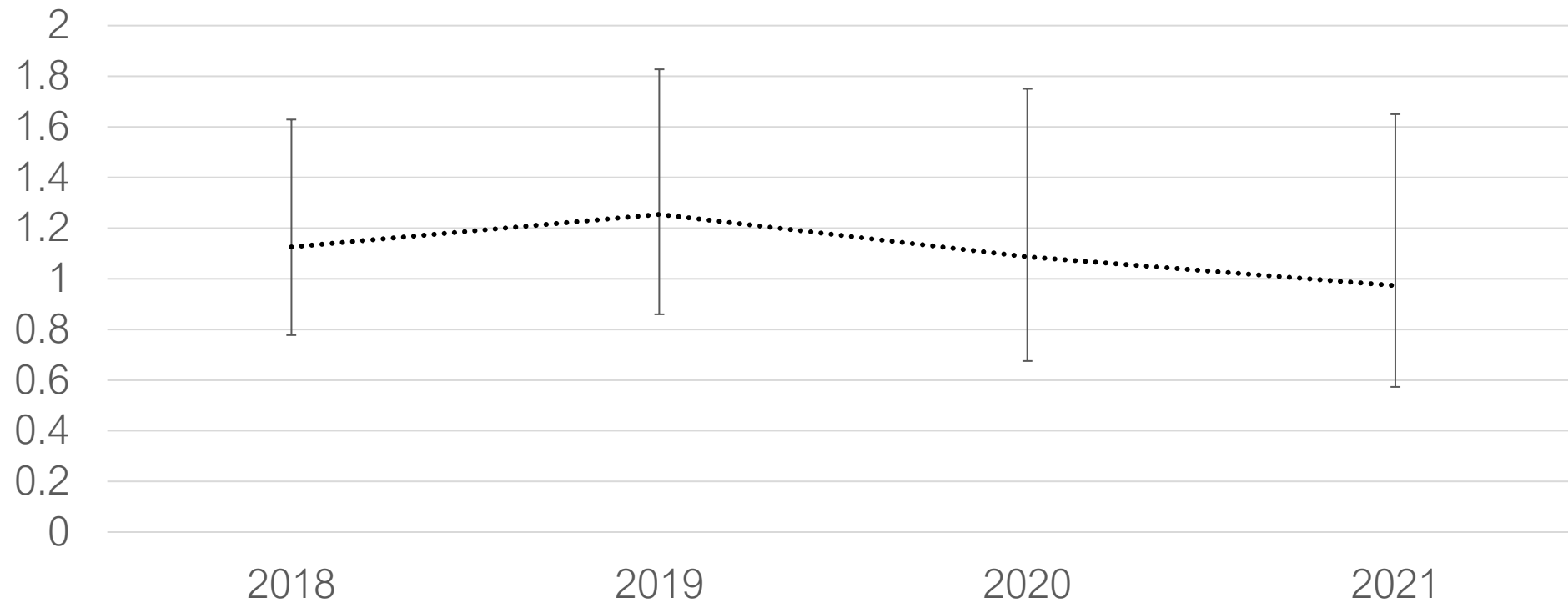


IRR between FHP Housed vs. Matched Controls of Incurring Hospital Visits During each CY, N=550



# The FHP Housed Adult and Youth Cohort Experienced Greater Reductions in Jail Utilization Compared to Matched Controls

IRR between FHP Housed vs. Matched Controls of Incurring Jail Registration During each CY, N=1033





## E. Reductions in Crisis System Utilization Contributed to a Programmatic Cost Offset of \$1.4 million in 2020 and 2021

Trends in Average Annual Utilization Cost (2020 USD) by Tertiles of Cost in 2018-2019 among Adults Housed in FHP, 2019-2021



**1,100 People  
Housed to Date**

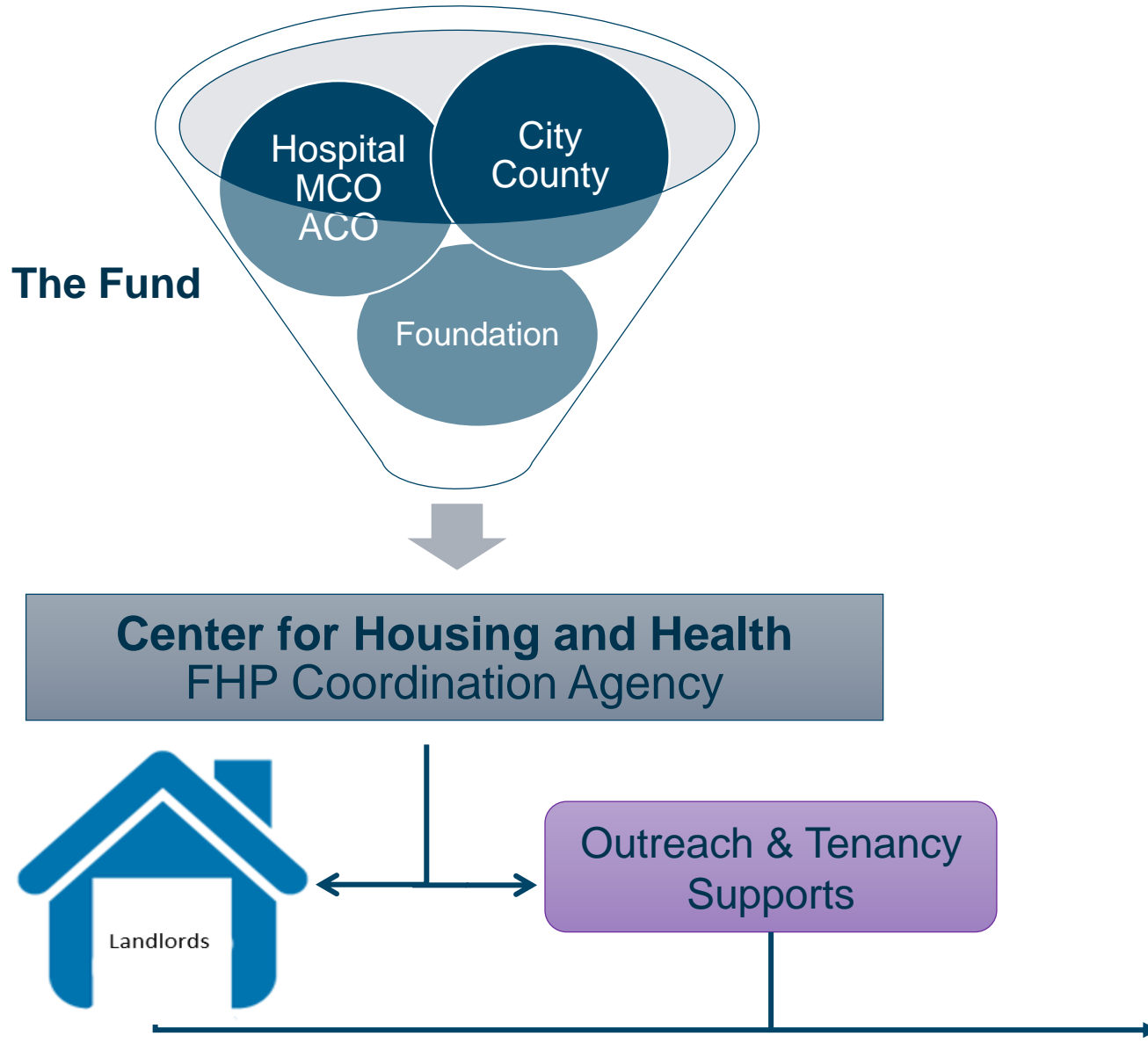
- **400 Single adults**
- **325 Youth-led households**
- **375 Children**

**98% Maintain permanent  
housing for at least one year**

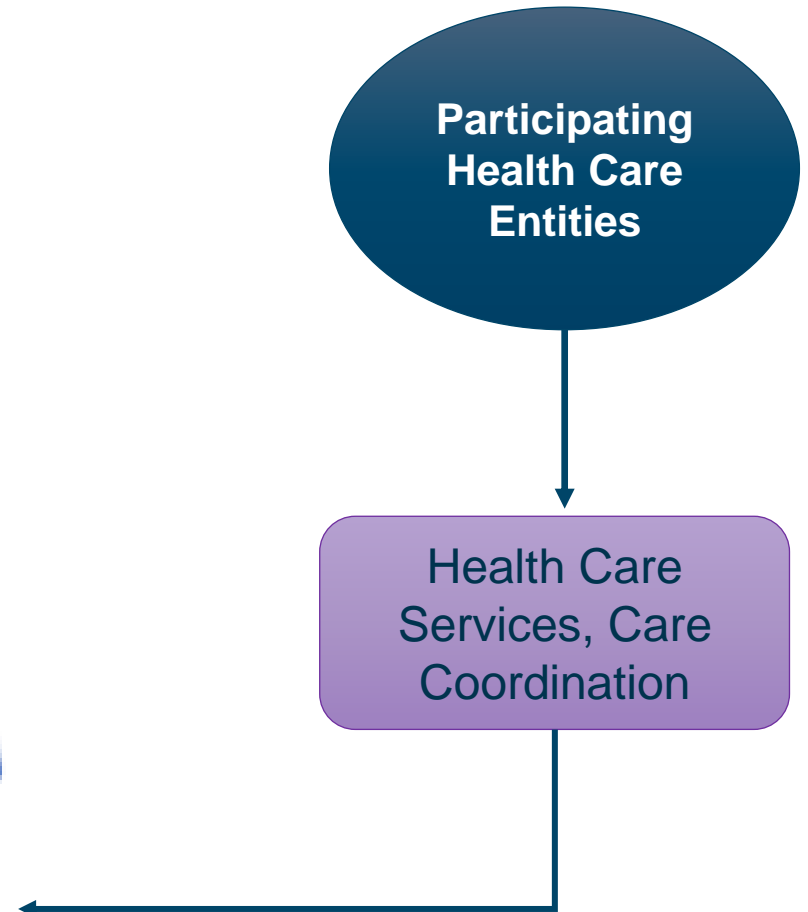
# What is unique?

1. Housing as a Public Health Intervention
2. Racial Equity Focus
3. Centering People with Lived Experience
4. Community of investors and stakeholders
5. Ability to adapt to unique circumstances and needs

# Subsidies and Tenancy Supports



# Clinical Services



# Costs

## Program Cost:

\$25,000 per household per year

Outreach and Engagement

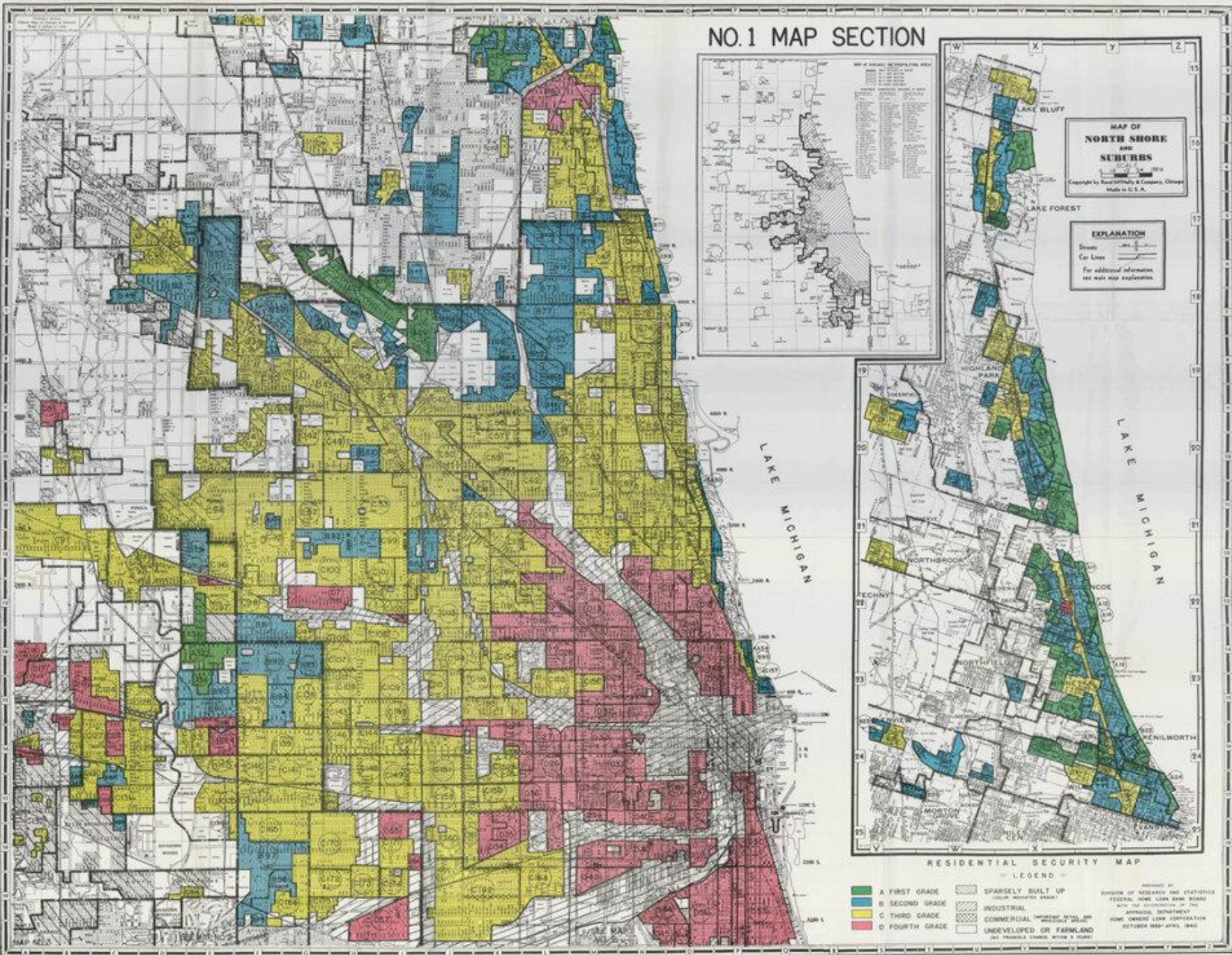
Pre-Tenancy Supports

Tenancy Supports

Housing Subsidy

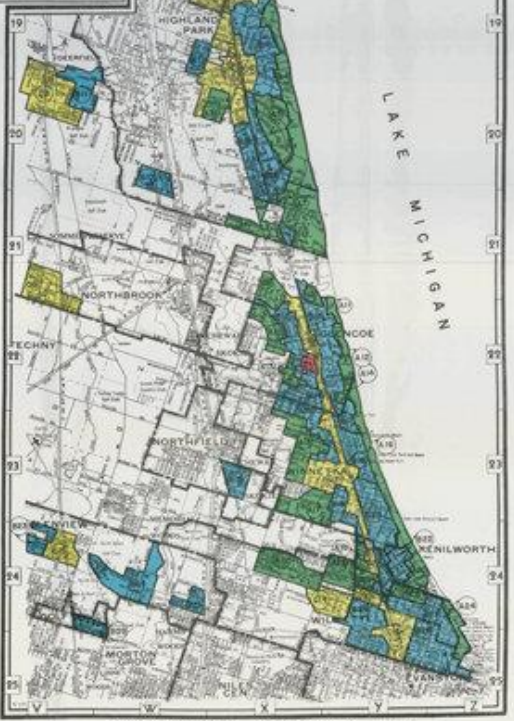
Administration

# NO. 1 MAP SECTION



**MAP OF NORTH SHORE AND SUBURBS**  
 Copyright by Rauschert & Company, Chicago  
 Made in U.S.A.

**EXPLANATION**  
 Shows: [Symbol] [Symbol]  
 Col. Lines: [Symbol]  
 For additional information see main map explanation.



**RESIDENTIAL SECURITY MAP**  
**LEGEND**

<span style="color: green;">■</span> A FIRST GRADE	SPARSELY BUILT UP (COLOR INDICATES GRADE)	PREPARED BY: DIVISION OF RESEARCH AND STATISTICS FEDERAL RESERVE BANK BOARD WITH THE COOPERATION OF THE AGRICULTURAL DEPARTMENT HOME OWNERS LOAN CORPORATION OCTOBER 1937-APRIL 1940
<span style="color: blue;">■</span> B SECOND GRADE	INDUSTRIAL	
<span style="color: yellow;">■</span> C THIRD GRADE	COMMERCIAL (HORIZONTAL LINES INDICATE GRADE)	
<span style="color: red;">■</span> D FOURTH GRADE	UNDEVELOPED OR FARMLAND (SEE PROPERTY RECORD WITH A TITLE)	
	SPARSELY BUILT UP (COLOR INDICATES GRADE)	

# Lived Expertise Leadership

## Tenant Advisory Groups

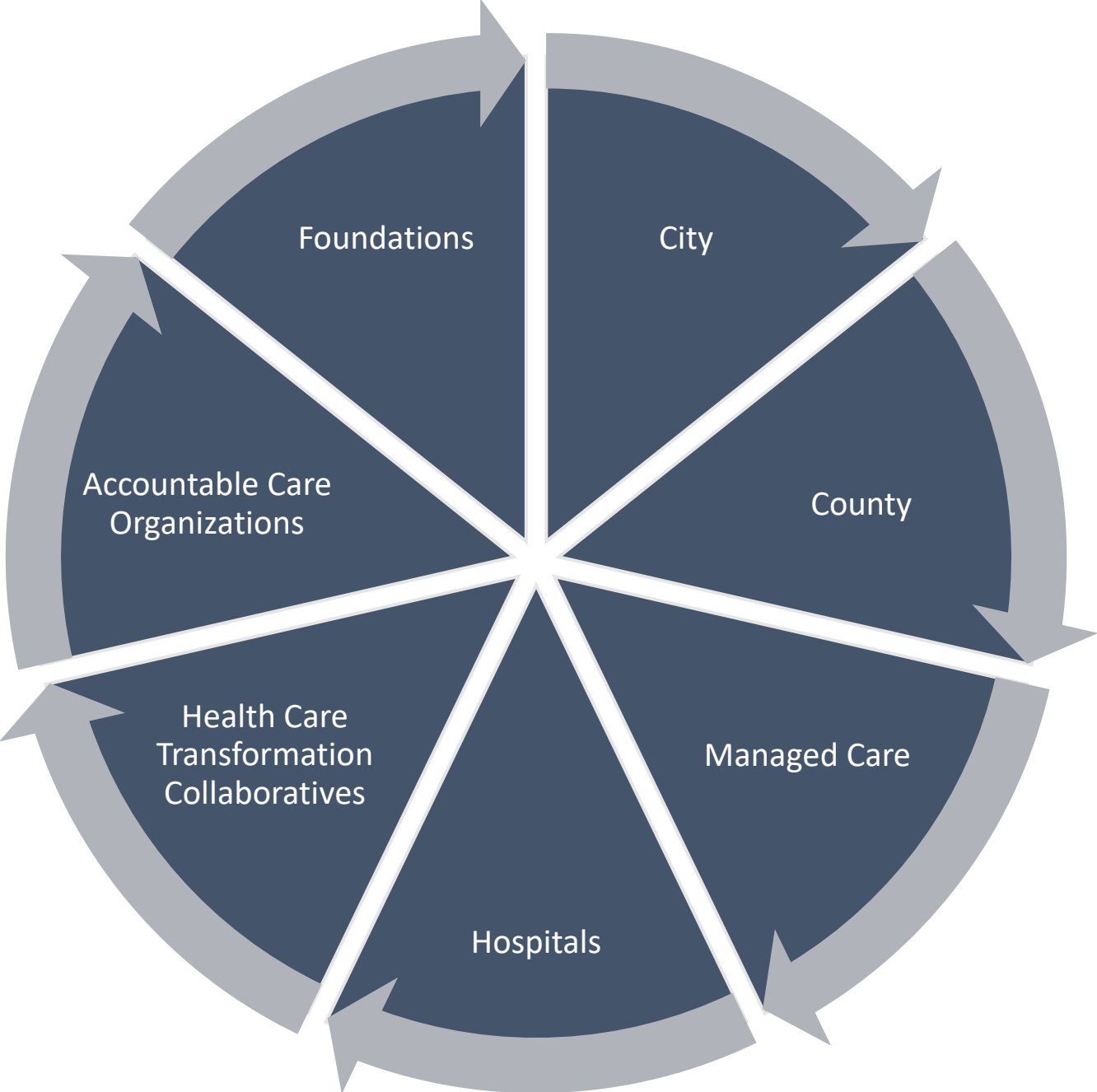
- Youth
- Adult
- Workgroups
- Governance Council



+



Funds Raised:  
\$50M  
Committed





# Flexible Housing Pool Investors



COOK COUNTY  
HEALTH



Department of Family  
and Support Services



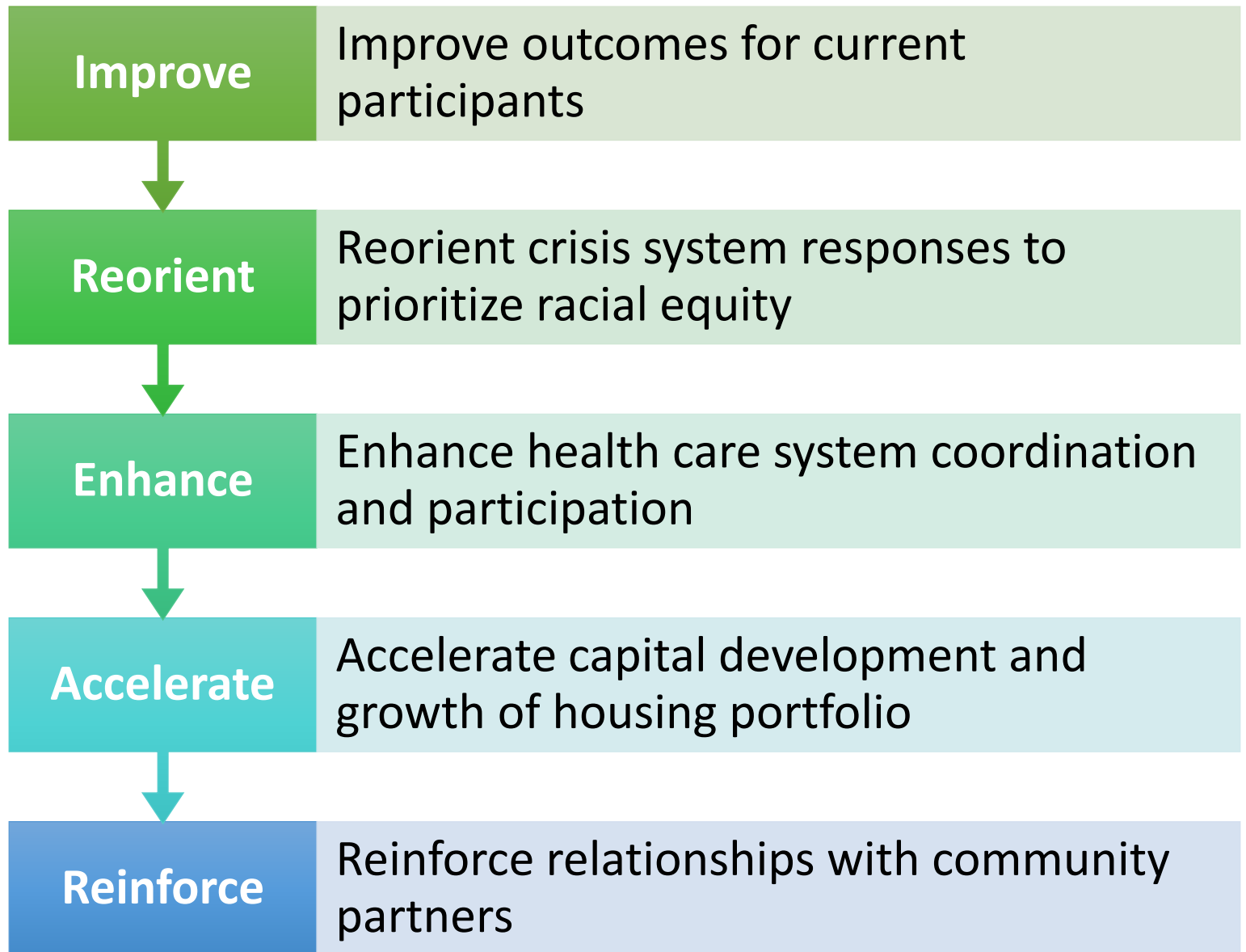
MHN ACO



JB & MK PRITZKER

Family Foundation

# Looking Ahead: Strategic Priorities



# 2023 Scaling

## 900 households overall

- \$16.25M Annual Commitment
- Reentry Pilot
- Increased MCO Participation
- Foundation Participation
- Continue expansion relative to funds raised
- Medicaid Housing Tenancy Supports (if piloted)
- HUD Special Unsheltered NOFO Award

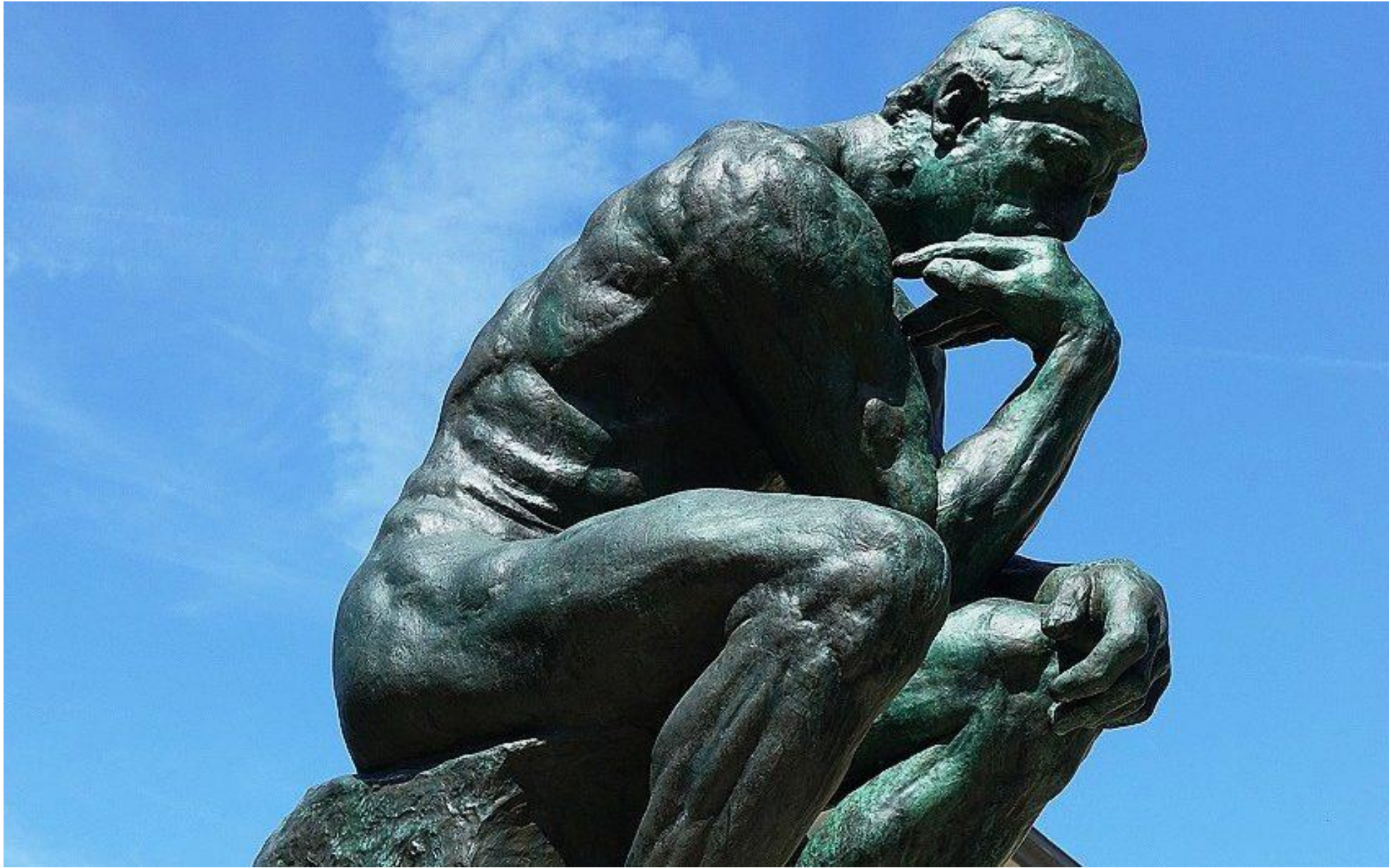
- 1. Housing as a Public Health Intervention**
- 2. Racial Equity Focus**
- 3. Centering People with Lived Experience**
- 4. Community of investors and stakeholders**
- 5. Ability to adapt to unique circumstances and needs**

# Questions?



# Objectives

- 1. Participants understand new ways to integrate housing and healthcare systems**
- 2. Participants understand the outcomes of a novel program design**
- 3. Participants can apply at least one unique element in their community**



- Spend 2 minutes writing down one thing to take back home
- Now who is the very next person in your community to help make that happen
- Discuss for 5 minutes with person next to you



THANK YOU