

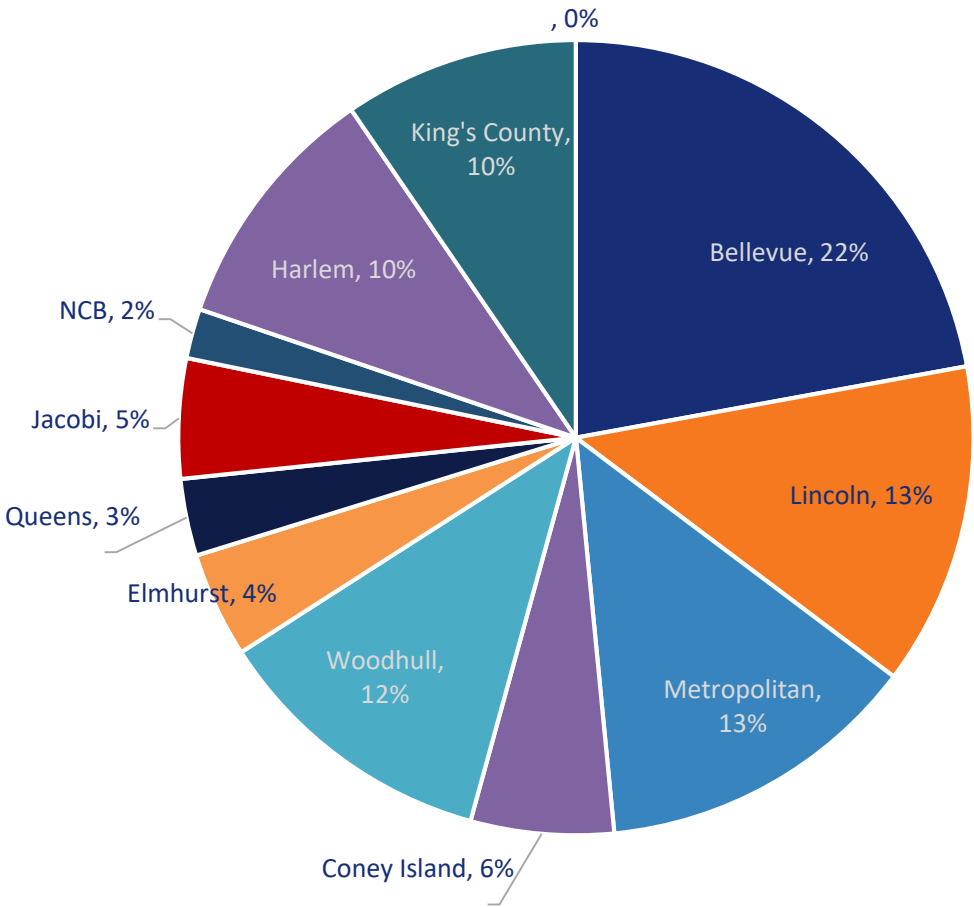
WELCOME CATCH TEAMS!

CATCH Training
Office of Behavioral Health
July 17-18, 2019

Kick-off Agenda

- Context for CATCH
- Housekeeping items
- Dr. Jennifer McNeely –CATCH Evaluation

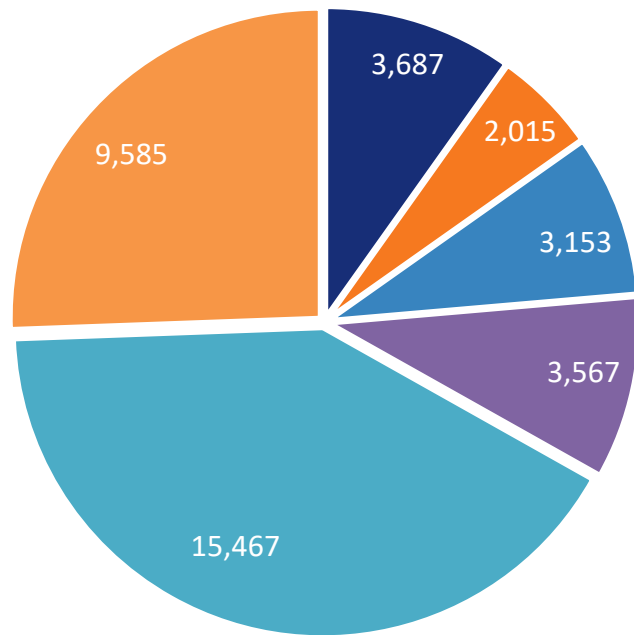
Total Unique Patients with Opioid Use Disorder by Facility, 2017



Bellevue	5801	Metropolitan	3461	Woodhull	3056	Queens	822	NCB	530	King's County	2507
Lincoln	3444	Coney Island	1525	Elmhurst	1122	Jacobi	1278	Harlem	2675		

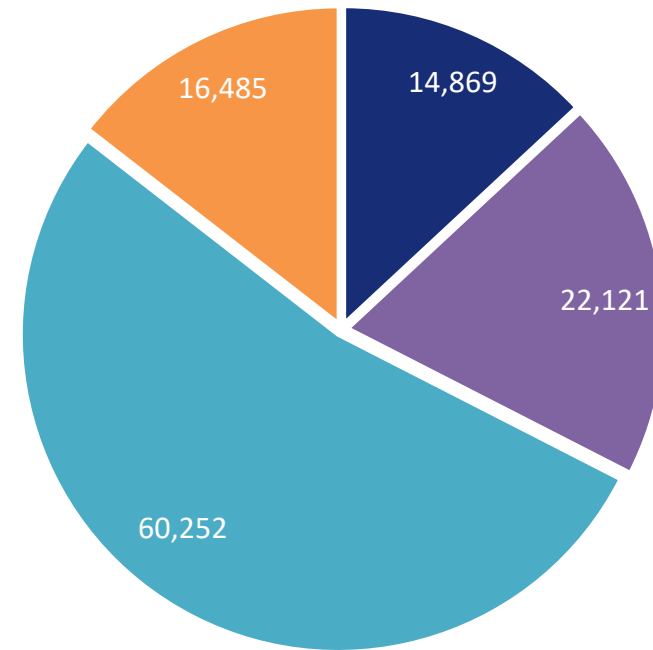
Source: H+H Corporate Planning, 2017

Opioid Use Disorder (OUD) Diagnosis (unique pts per service) across NYC Health + Hospitals services, 2017



■ Primary Care ■ MH Clinic ■ SUD Clinic ■ Specialty Clinic ■ ED ■ Inpatient

Opioid Use Disorder Diagnosis (encounters) across non-Behavioral Health services at NYC Health + Hospitals, 2017



■ Primary Care ■ Specialty ■ ED ■ Inpatient





HealingNYC:

Preventing Overdoses, Saving Lives

New Initiatives

1. Judicious opioid prescribing and pain management
2. Overdose reversal medication and training
3. Expansion of medication assisted treatment
4. Changing ED response
5. Consult for Addiction Treatment and Care in Hospitals (CATCH) Teams



CATCH

- Implementation of CATCH is a critical component of the Mayoral *HealingNYC* initiative launched in March 2017 which H+H will become a system of excellence, **delivering increased and effective opioid services**
- Additional funding was awarded as part of *Healing2.0* to expand CATCH at **Woodhull** and **Elmhurst Hospitals**
- While funding focuses on OUD, this is an opportunity to use resources to build infrastructure to address all SUD



Our Expected Impact

- **Process Metrics**
 - Referral and Consult Volume
 - Post-Discharge Follow-up
 - Revenue Targets
- **Outcome Metrics**
 - Engagement in Medication for Addiction Treatment (MAT)
 - Retention in Treatment
 - Reduced Acute Care Utilization
 - Reduced Likelihood of Overdose Death

NYC Health + Hospitals to Engage 8,000 More Patients with Opioid Use Disorder in Communities Hardest Hit by the Opioid Epidemic

\$2.75 Million NIDA Grant to Fund the First Multi-Site Trial of a Hospital Addiction Consult Model

Mar 30, 2018

[See all News →](#)

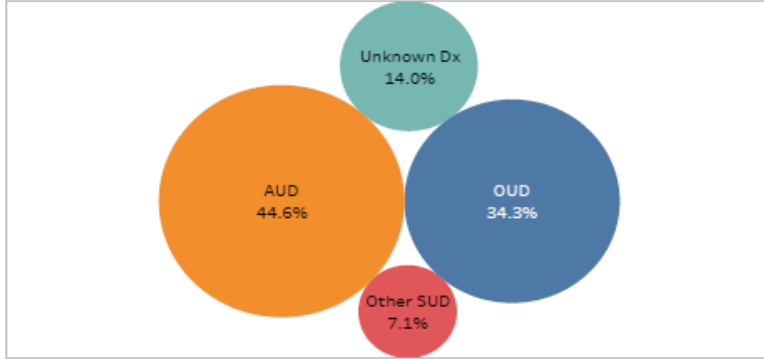
New York, NY

NYC Health + Hospitals today announced plans to launch this fall a new program to help patients with substance use disorder—the Consult for Addiction Treatment and Care in Hospitals (or CATCH) program. Funded in part by more than \$7.5 million from Mayor de Blasio’s Healing NYC initiative, the CATCH program will be launched initially at four public hospitals—followed by two others in 2019—with staff specially recruited to engage patients with substance use disorders who are in the hospital for any condition.

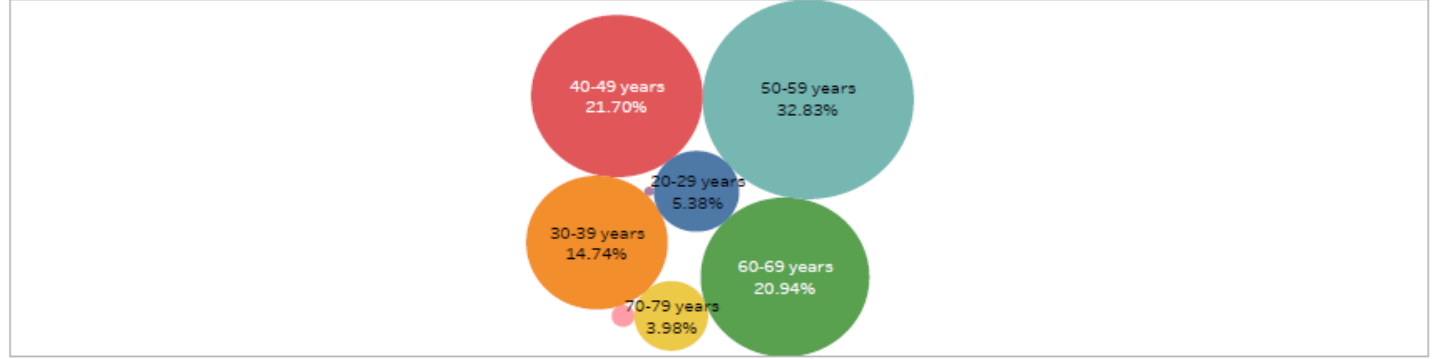
The program will focus initially on inpatients, admitted to hospital medical and surgical floors, with plans to expand over time to the emergency department and outpatient clinics. While the program will address the full range of misused substances, it will place special focus on opioids. The program’s target is to reach and deliver treatment to more than 8,000 patients with opioid use disorder per year across the six hospitals.

CATCH Demographics

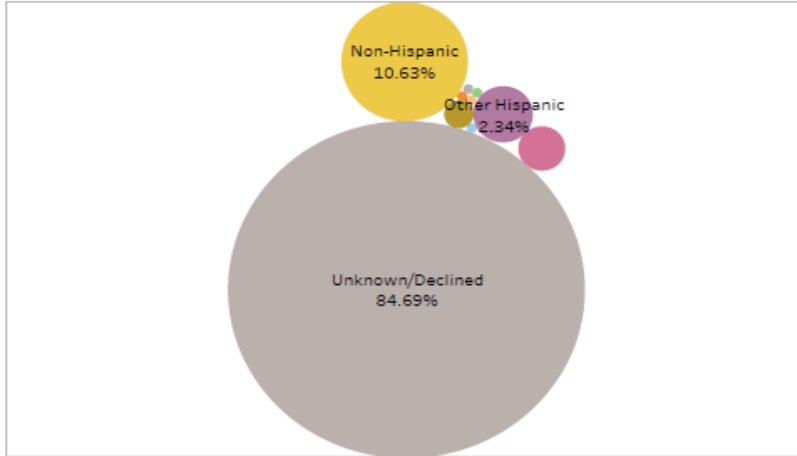
SUD Diagnosis



Age

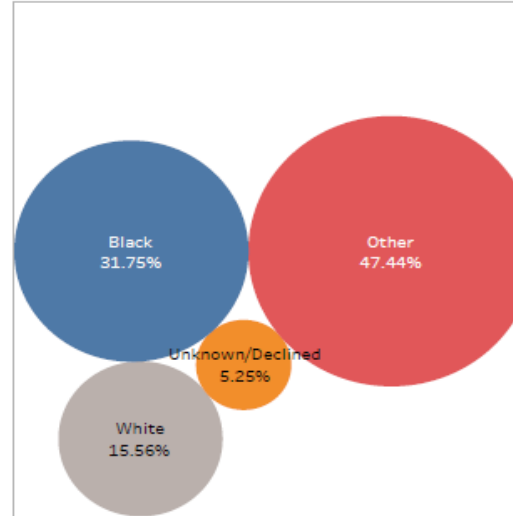


Ethnicity

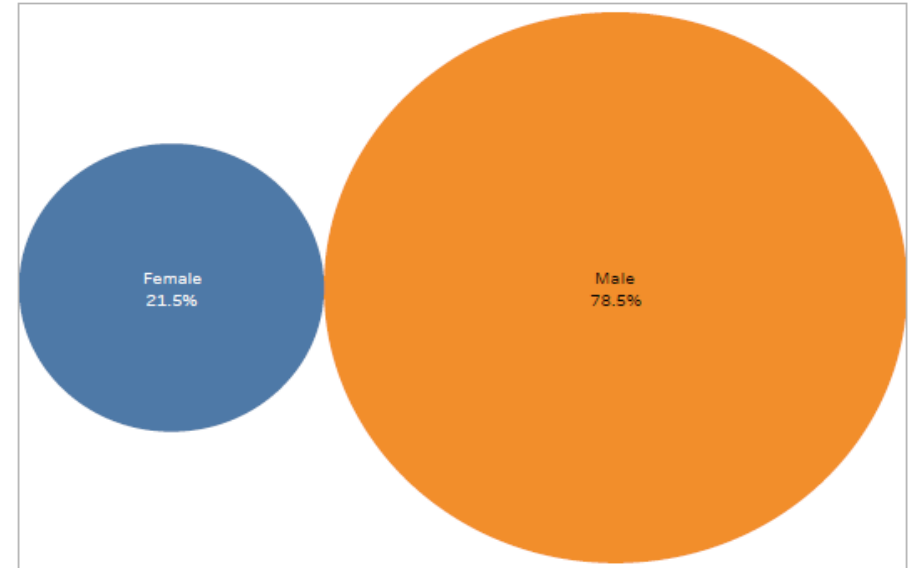


- Mexican/Mexican Ame..
- Other Hispanic
- Argentinian
- Unknown/Declined
- Non-Hispanic
- Colombian
- Cuban
- Dominican
- Puerto Rican
- Bangladeshi

Race



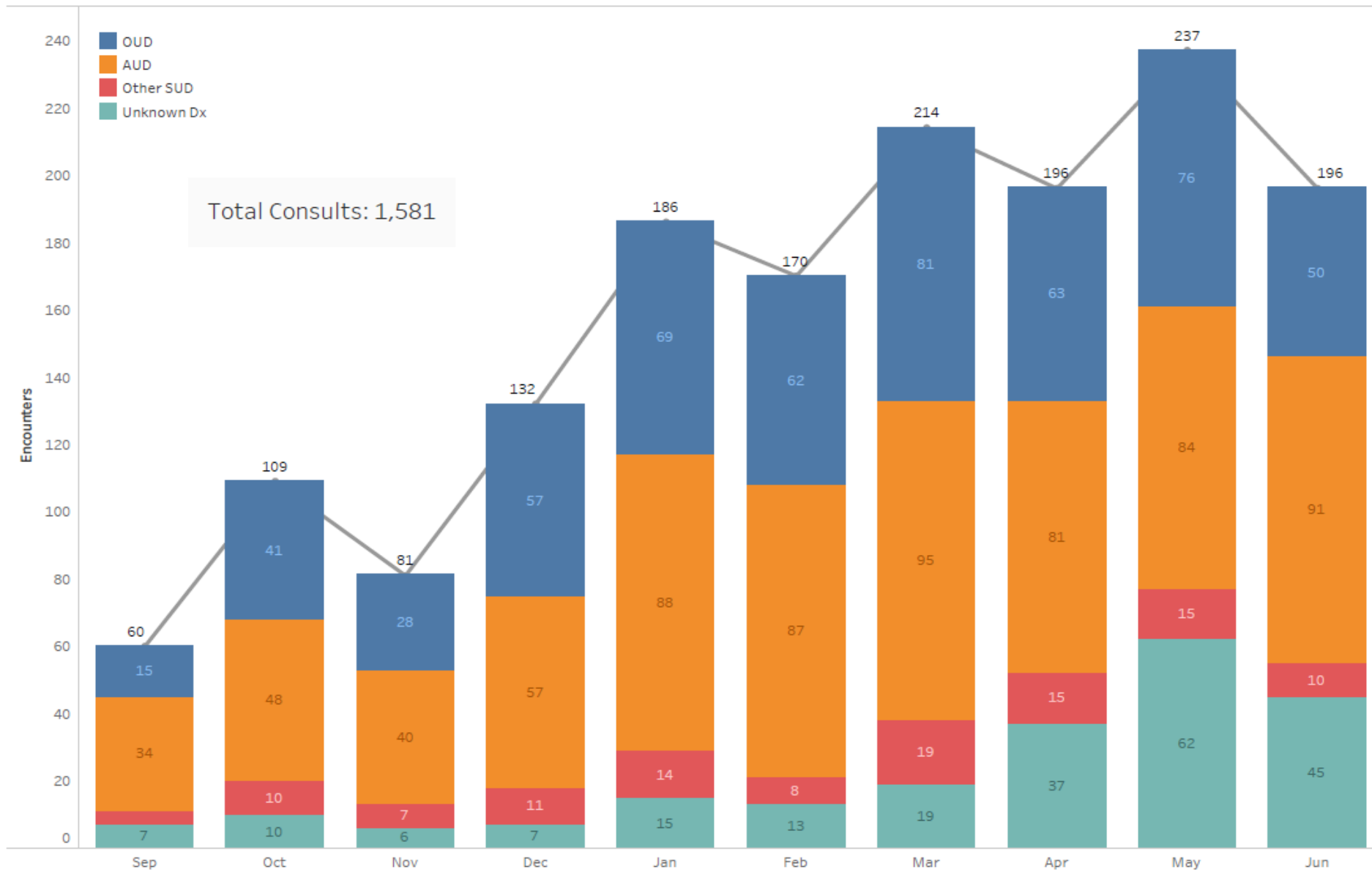
Sex



Data Source: Quadramed, Epic
Captures demographics for all CATCH patients since launch

Monthly CATCH Consults in Inpatient Med/Surg/ ObGyn

Sept 2018-
June 2019

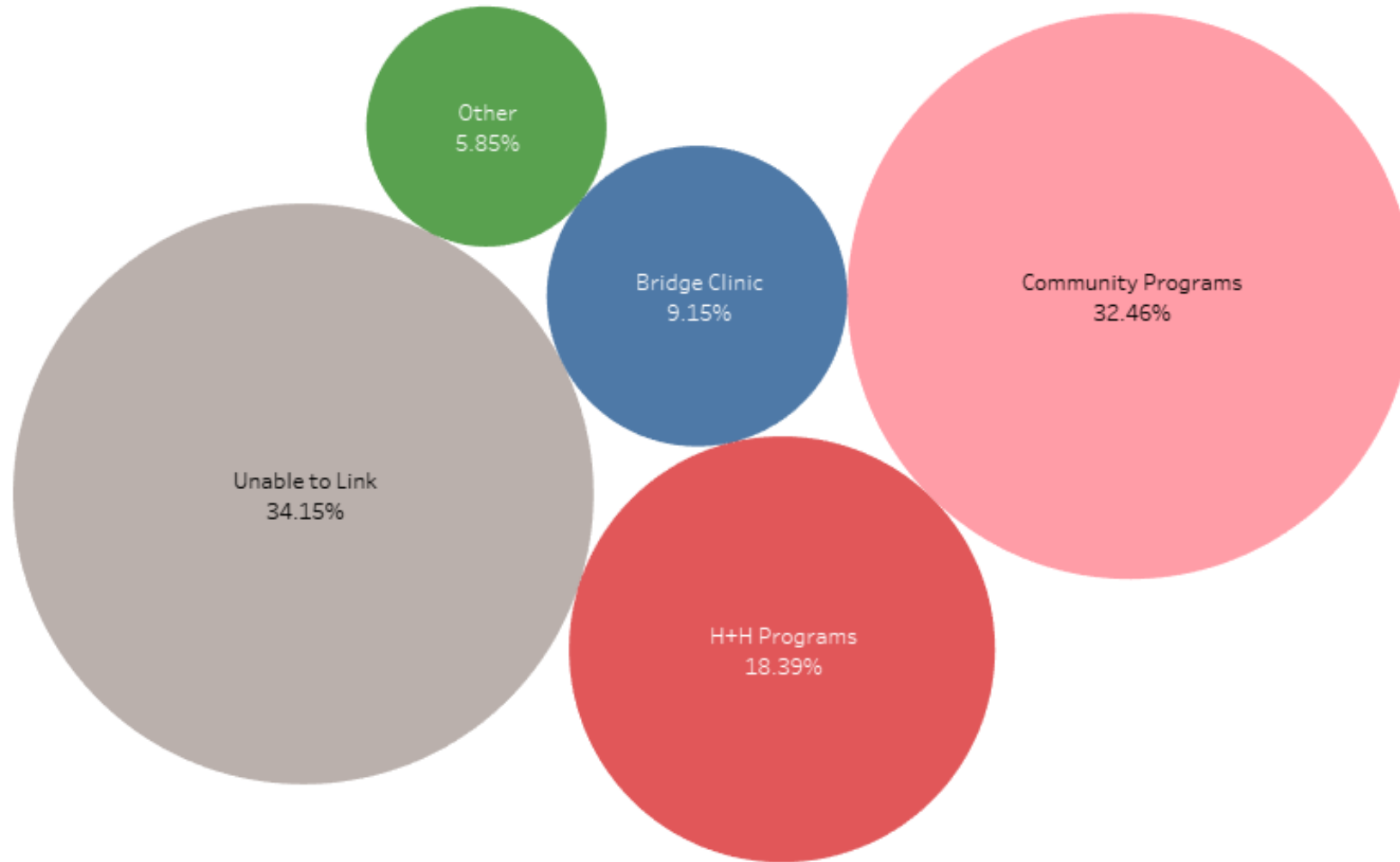


Data source: Quadramed, Epic

Launch Dates: Lincoln September 2018; Bellevue December 2018; Metropolitan March 2019

All patient discharges from Medicine/Surgery/ObGyn with a CATCH Consult. Excludes patients discharged from Obs with a completed consult.

Initial Treatment Referral Locations



Congratulations!

Housekeeping Items

- WebEx Recording
- Lunch sign-in sheet
- Case Conferencing Topic List
- CATCH Directory
- CATCH Bingo –there is a prize!

- Office of the Mayor. (2016). *HealingNYC: Preventing Overdoses, Saving Lives*. Retrieved from <http://www1.nyc.gov/assets/home/downloads/pdf/reports/2017/HealingNYC-Report.pdf>.
- Office of the Mayor. (2018, March 19). *HealingNYC: Mayor and First Lady Announce \$22 Million Expansion of City's Plan to Combat Opioid Epidemic* [Press Release]. Retrieved from <http://www1.nyc.gov/office-of-the-mayor/news/143-18/healingnyc-mayor-first-lady-22-million-expansion-city-s-plan-combat-opioid#/0>.
- Trowbridge, P., Weinstein, Z.M, Kerensky, T., Roy, P., Regan, D., Samet, J.H, and Walley, A.Y. Addiction Consultation Services – Linking Hospitalized Patients to Outpatient Addiction Treatment. *Journal of Substance Abuse Treatment*. 2017:In press.
- Wakeman, S.E., Metlay, J.P., Chang, Y., Herman, G.E., and Rigotti, N.A. Inpatient Addiction Consultation for Hospitalized Patients Increases Post-Discharge Abstinence and Reduces Addiction Severity. *J Gen Intern Med*. 2017.

Effectiveness of the Consult for Addiction Treatment and Care in Hospitals (CATCH) Model for Engaging Patients in Opioid Use Disorder Treatment:

Pragmatic Trial in a Large Municipal Hospital System

NIH/NIDA R01

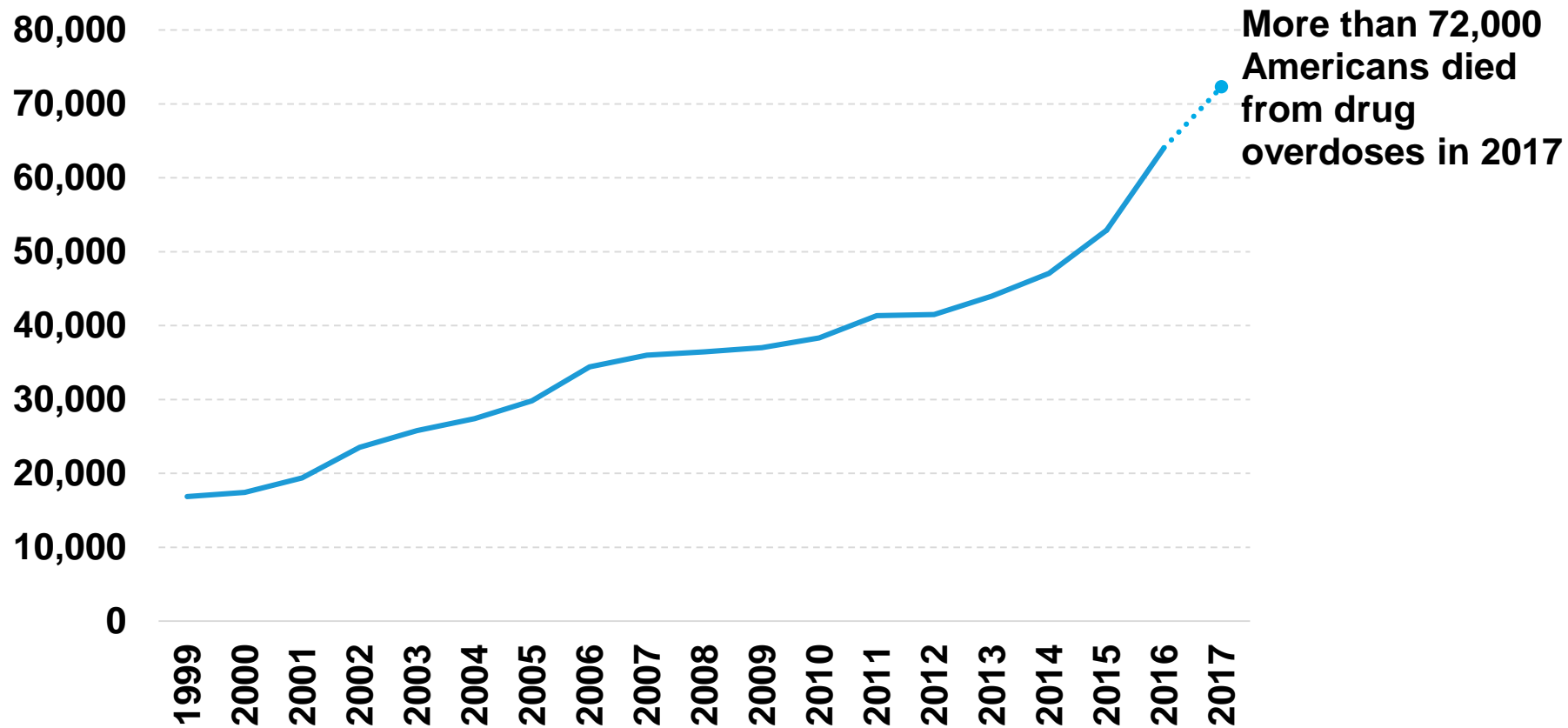
PI: Jennifer McNeely

Research Collaboration

- H+H – Office of Behavioral Health
- NYU School of Medicine – Department of Population Health
- NYC DOHMH – Division of Alcohol and Drug Use Prevention, Care, and Treatment

Drug overdose deaths are skyrocketing

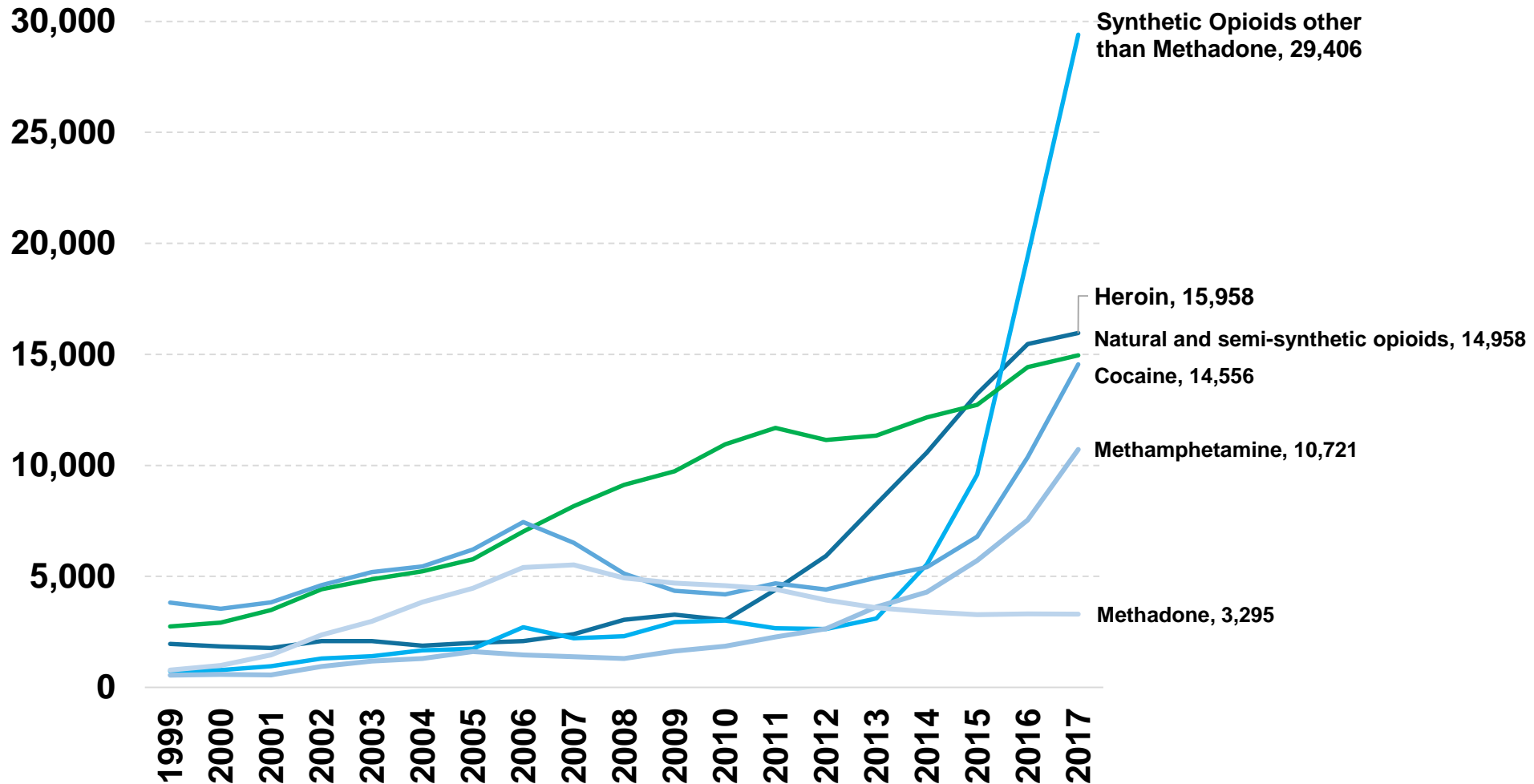
Total U.S. Drug Deaths



Source: CDC WONDER

Opioids are driving OD deaths

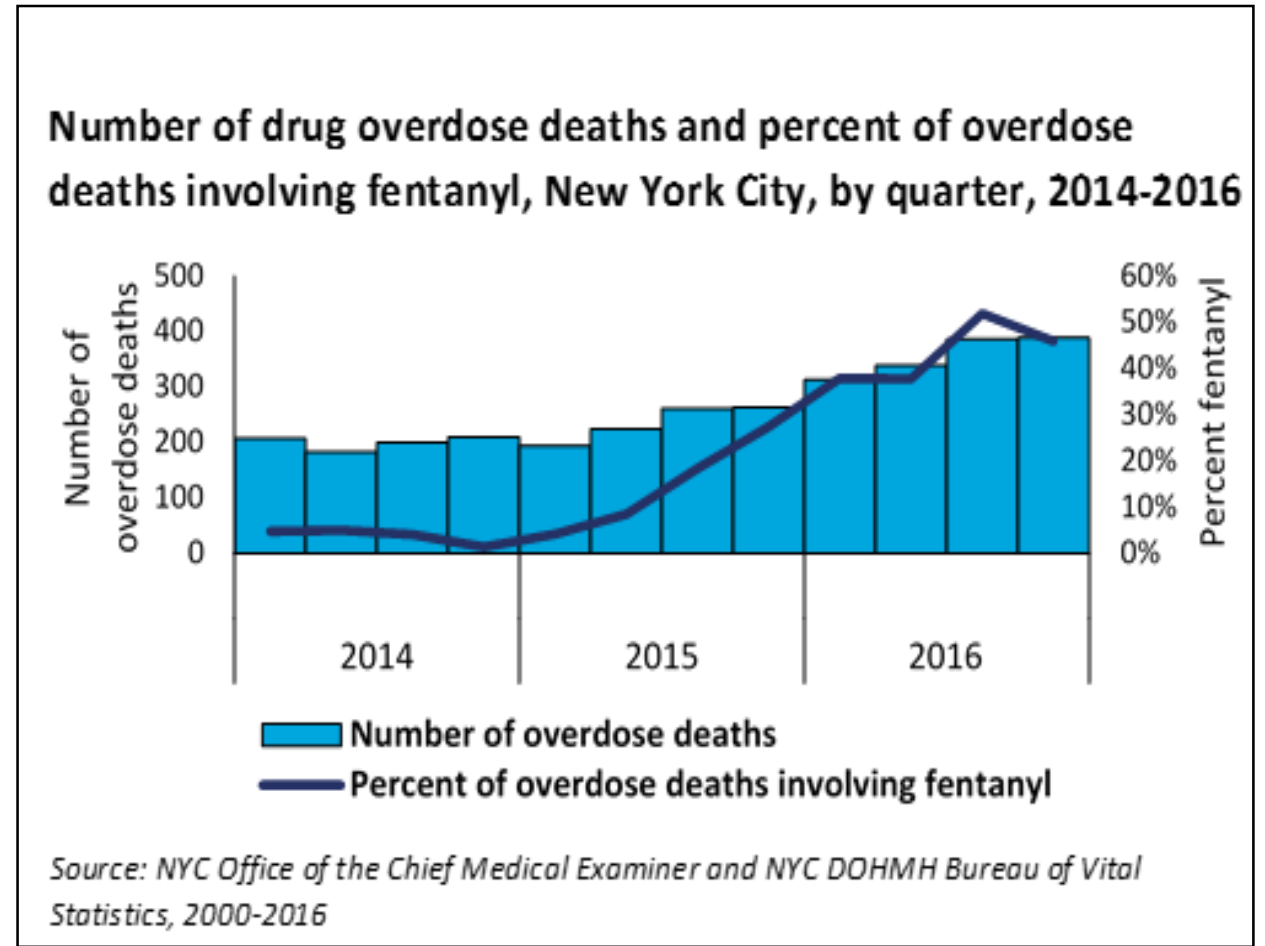
Drugs Involved in U.S. Overdose Deaths, 1999 to 2017



Source: CDC WONDER

Overdose deaths in NYC

- 1,425 unintentional OD deaths in 2016 (rate ~20 per 100,000)
- Over 80% involve opioids
- Fentanyl is fueling recent increases



Study Background

- Inpatient addiction consult services are proliferating in response to the opioid epidemic.
- Limited evidence indicates that they are effective, but no large high quality studies.
- This pragmatic trial will provide rigorous evaluation of the effectiveness of this model.
- Also studying the process of implementation to inform its potential for broader dissemination and sustainability.

Specific Aims

Aim 1 (Primary aim): Evaluate the effectiveness of CATCH in increasing **MAT *initiation and engagement*** among patients with OUD.

Aim 2: Assess the effectiveness of CATCH for increasing **MAT *retention*** in patients with OUD.

Aim 3: Compare the frequency of ***acute care utilization and overdose deaths***, and their associated costs, among patients with OUD hospitalized during the CATCH period versus usual care.

Aim 4: Evaluate **implementation outcomes** to assess: *Reach* – proportion of eligible patients reached by CATCH; *Adoption* – utilization of CATCH by medical staff; *Implementation fidelity* – barriers to delivering high-quality MAT to the target population, during and after hospitalization.

Stepped-wedge study design

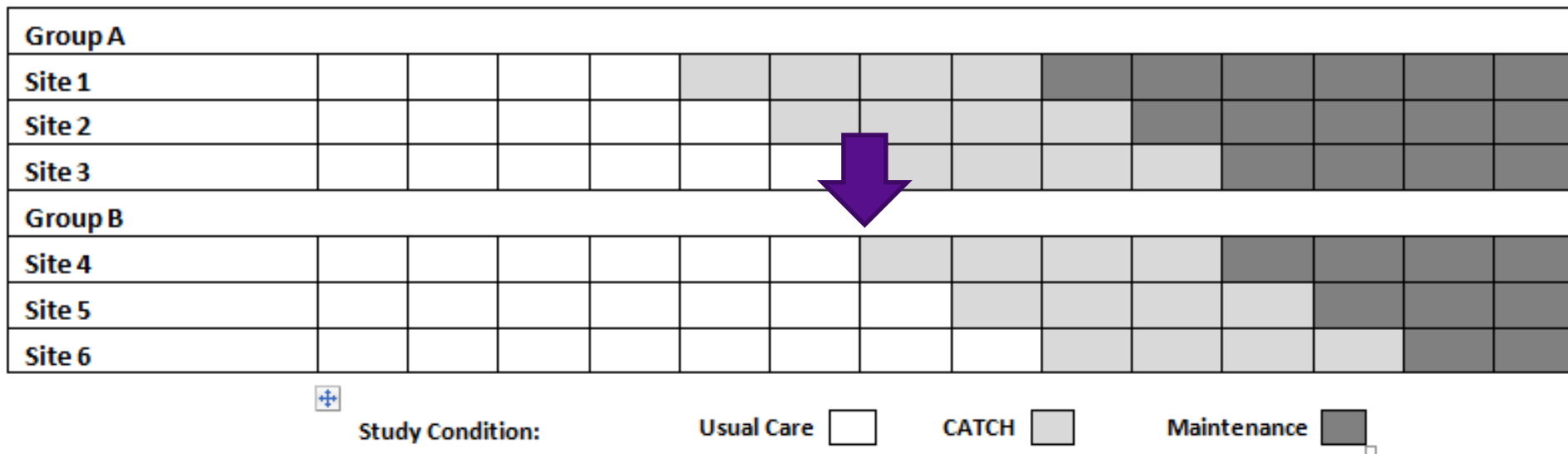
- 2 groups

Group A: Lincoln, Bellevue, Metropolitan

Group B: Elmhurst, Coney Island, Woodhull

- Sites randomized to a start date

- New site initiated every 3 months



Outcome measures

- Medicaid claims (primary source)
- H+H claims data
- Reports from EMR
- Limited number of interviews w/ staff, patients

Timeline



Activity	Year 1				Year 2				Year 3				Year 4			
	March 2018				March 2019				March 2020				March 2021			
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Preparation	X	X														
TAU-measures*	X	X	X	X	X											
CATCH measures			X	X	X	X	X	X	X	X						
Analysis											X	X	X	X	X	

Summary

- Groundbreaking study that will be seen as the most definitive evidence on addiction consult programs.
- Evaluation will provide the evidence that decision makers and funders need to sustain and further disseminate the CATCH model.
- Research happens in the background – no enrollment of patients, and sites are not responsible for data collection.
- The research team will provide feedback to the sites about CATCH implementation – and help troubleshoot as needed.

We're excited to collaborate with you!

NYU Research Team

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