New York State Hepatitis C Elimination Planning and Target and Metric Development

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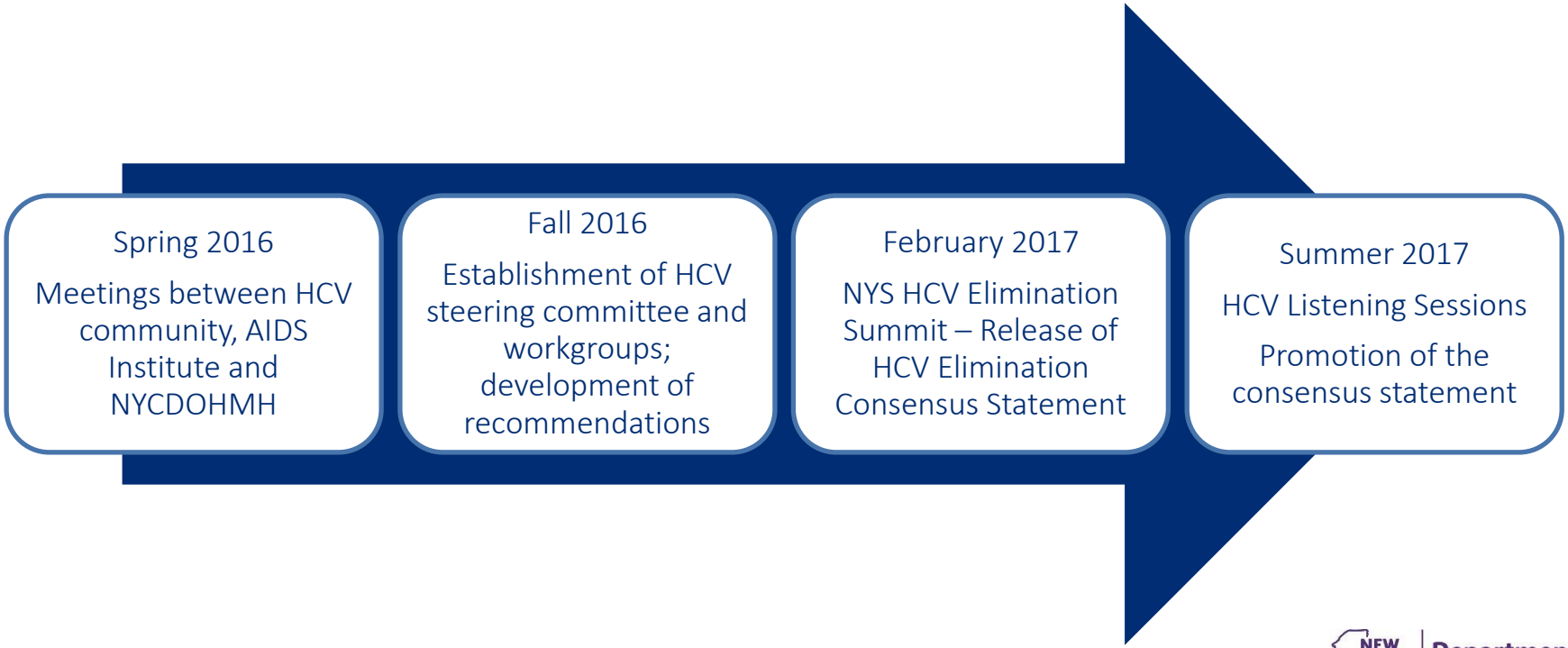
Community Mobilization



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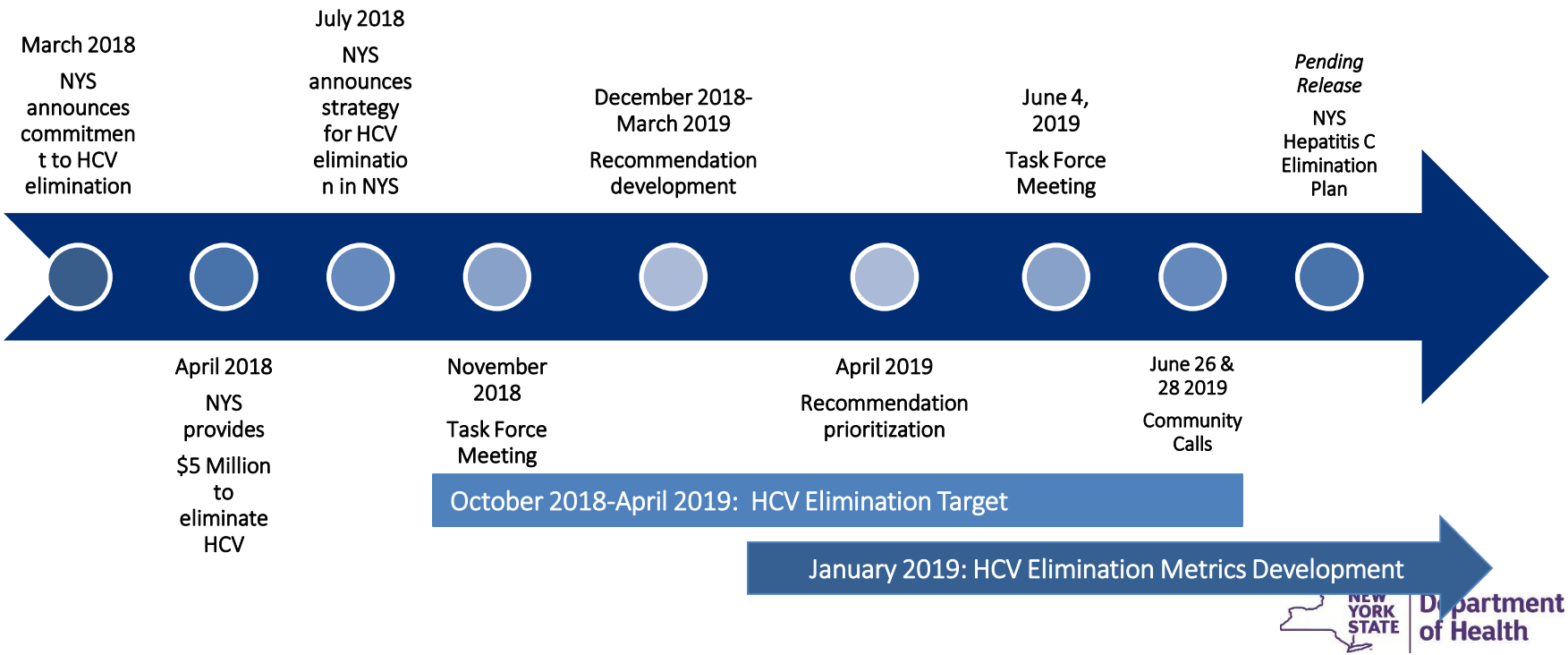
NYS Hepatitis C Elimination Planning Timeline



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NYS Hepatitis C Elimination Planning

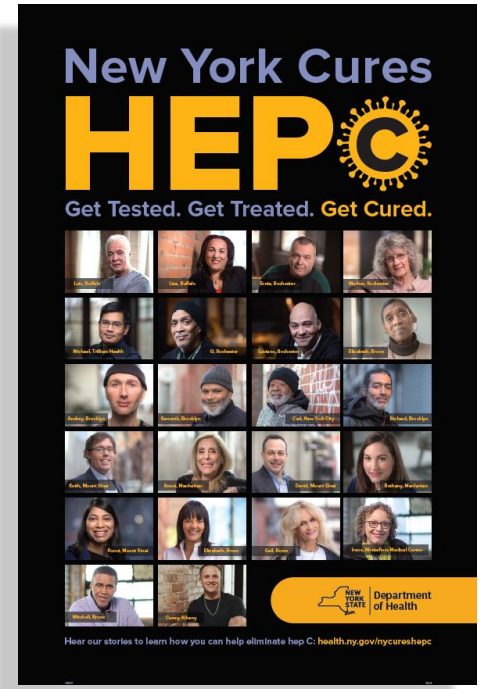
NYS Hepatitis C Elimination Task Force

- 28 appointed taskforce members
  - 100+ workgroup members
- Identify key populations and settings
- Develop and prioritize recommendations

Recommendations on:

- HCV prevention
- HCV testing & linkage to care
- HCV care & treatment
- Surveillance, data & metrics
- Social determinants of health

HCV Elimination Initiatives



- HCV Patient Navigation program
- Innovative Models of Care for PWID with HCV
- HCV Expansion of the Criminal Justice Initiative
- Surveillance infrastructure
- Expansion of HCV Testing
- Multi-media awareness campaign
- HCV Research

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Estimating HCV Prevalence

- Built on state-level HCV prevalence estimation model for 2013-2016*
- Used synthesized NYS and NYC HCV diagnosis data
  - Generate state-specific weights by sex (and race)
  - Better reflects HCV epidemiology in New York
- Used New York-specific testing and populations sources for incarcerated populations

Rosenberg E, Rosenthal E, Hall E, et al. Prevalence of HCV infection in the US States and District of Columbia, 2013-2016. JAMA Network Open. 2018;1(8):e186371doi:10.1001/jamanetworkopen.2018.6371

HCV Elimination - Target Development

- Worked with members of the NYS HCV Elimination Task Force and Center for Disease Analysis Foundation
  - Disease progression model of the HCV epidemic using state specific epi data
  - Incident infections among PWID were modeled using mathematical modeling of HCV transmission.
- Projected yearly and cumulative HCV elimination targets over a 10-year period (2020-2030)
  - Based WHO goals
  - # screened, # diagnosed, # treated, # new incident infections in PWID, liver-related deaths

HCV Elimination - Metrics Development

- MOU with UAlbany School of Public Health
  - Metric development coordination team
  - Technical expertise
- HCV Elimination Metrics Advisory Panel
- Monthly workgroup meetings
- Web-based dashboard *(under development)*

Primary Metrics

HCV Diagnoses

- The number of people newly diagnosed with HCV each year
- Data Source: Hepatitis Elimination and Epi Data Set - HEED

HCV Treatment

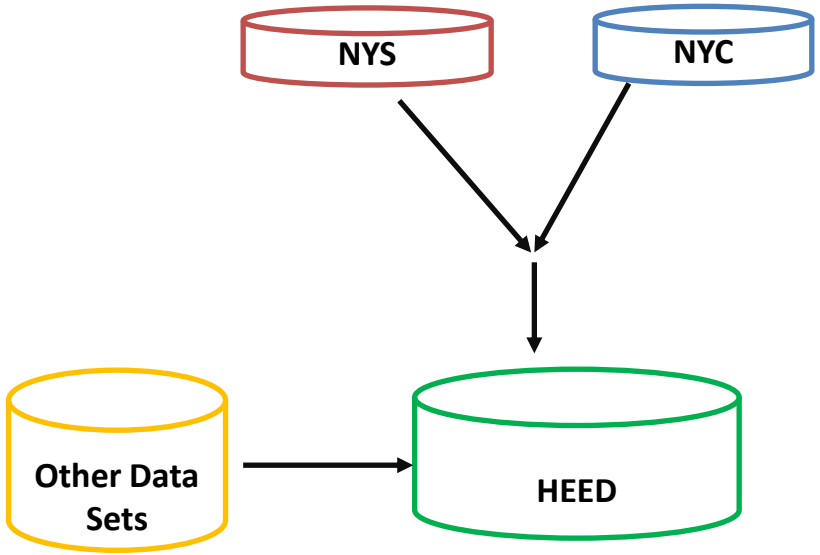
- The number of people diagnosed with HCV with lab evidence of treatment for or spontaneous clearance of HCV infection per year
- Data Source: Hepatitis Elimination and Epi Data Set - HEED

HCV Incidence (PWID)

- Number of new HCV infections among PWID each year
- Methods: Bio-behavioral study conducted at SSPs, using an HCV recency assay collected on DBS.

Hepatitis Elimination & Epidemiology Dataset (HEED)

- A deduplicated statewide registry of NYS (CDESS) and NYC (MAVEN) patients diagnosed with HCV and all associated lab results
- Augmented with matches with other datasets for additional demographic, treatment and death data
- Match with NYS/NYC death records



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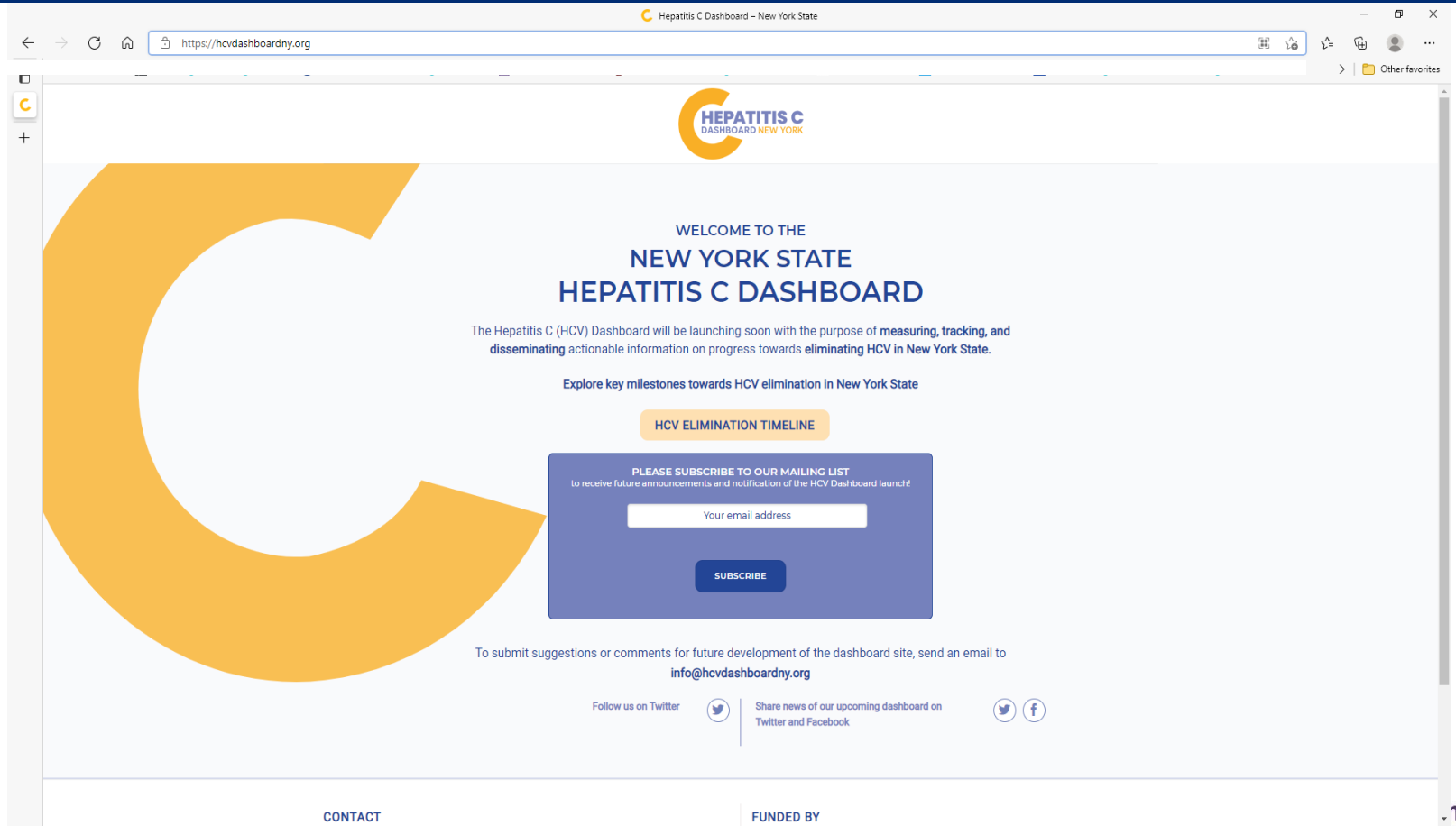

https://hcvdashboardny.org/

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