Monitoring Progress towards EHE Goals

Center for HIV Surveillance, Epidemiology and Evaluation
Infectious Disease Prevention and Health Services Bureau
Prevention and Health Promotion Administration

October 4, 2022
MISSION
The mission of the Prevention and Health Promotion Administration is to protect, promote and improve the health and well-being of all Marylanders and their families through provision of public health leadership and through community-based public health efforts in partnership with local health departments, providers, community based organizations, and public and private sector agencies, giving special attention to at-risk and vulnerable populations.

VISION
The Prevention and Health Promotion Administration envisions a future in which all Marylanders and their families enjoy optimal health and well-being.
HIV Surveillance Data
HIV Surveillance Data in Maryland

Enhanced HIV/AIDS Reporting System (eHARS)

- Anyone diagnosed with HIV with an address in Maryland
- Anyone getting HIV care from a Maryland facility

Clinical facilities and laboratories are required by law to report HIV data to MDH for all persons in Maryland by name.

De-identified data is shared with CDC to create a national dataset.
Electronic HIV Laboratory Reporting

- Healthcare Facilities (Hospitals, Outpatient Clinics, etc.)
- Private Providers
- HIV Testing Laboratories
- Local Health Departments (LHDs)
- Center for HIV Surveillance, Epidemiology and Evaluation (CHSEE)
- HIV Testing Laboratories (In-state and Out-of-State)
- Other MDH Programs (CSTIP, MADAP, OCME, Vital Stats, etc.)
- National HIV Surveillance System (NHSS)/CDC
- Other State HIV Surveillance Programs

CSTIP: Center for STI Prevention
OCME: Office of the Chief Medical Examiner
MADAP: Maryland AIDS Drug Assistance Program
HIV Reporting Requirements

Required Reported Elements:
- Patient Name
- Patient Address
- Patient Date of Birth
- Patient Sex at Birth
- Patient Race/Ethnicity
- Lab Test Type, Result, and Collection Date
- Ordering Provider/Facility
- Reporting Facility/Laboratory

Lab Test Types:
- Antibody or antigen tests
- HIV-1/HIV-2 differentiation assays
- CD4 counts and percents
- HIV viral loads (qualitative and quantitative)
- Genotype sequences

All results, including negative and undetectable
Ending the HIV Epidemic (EHE)

Goal: HHS will work with each community to establish local teams on the ground to tailor and implement strategies to:

- Diagnose all people with HIV as early as possible.
- Treat people with HIV rapidly and effectively to reach sustained viral suppression.
- Prevent new HIV transmissions by using proven interventions, including pre-exposure prophylaxis (PrEP) and syringe services programs (SSPs).
- Respond quickly to potential HIV outbreaks to get needed prevention and treatment services to people who need them.

75% reduction in new HIV infections in 5 years and at least 90% reduction in 10 years.
EHE Indicators
PrEP Coverage

What’s the goal?

Increase PrEP coverage to 50%

How is it calculated?

Number of people prescribed PrEP

What’s the data source?

IQVIA pharmacy database, American Community Survey, & National Health and Nutrition Examination Survey

Number of people with indications for PrEP
PrEP Coverage

Maryland

<table>
<thead>
<tr>
<th>Year</th>
<th>Percent</th>
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<tbody>
<tr>
<td>2017</td>
<td>10.0%</td>
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<tr>
<td>2018</td>
<td>14.0%</td>
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<tr>
<td>2019</td>
<td>18.1%</td>
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<tr>
<td>2020</td>
<td>17.6%</td>
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<tr>
<td>2021</td>
<td>21.3%</td>
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<tr>
<td>2022 (Preliminary: Jan-Mar)</td>
<td>14.5%</td>
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<tr>
<td>2025 Goal</td>
<td>50.0%</td>
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<tr>
<td>2030 Goal</td>
<td>50.0%</td>
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PrEP Prescriptions and Indications

Maryland

Year

Number of Persons

Coverage Percent

2019 2020 2021 2022

18.1% 17.6% 21.3% 14.5%

4,951 4,806 5,809 3,962

27,300 27,300 27,300 27,300


(Preliminary: Jan-Mar)
HIV Incidence

What’s the goal?

75% decrease in new HIV infections by 2025 and 90% decrease by 2030

How is it calculated?

Number of new HIV infections

What’s the data source?

Estimated based on HIV surveillance data

How is it useful?

Evaluating the impact of prevention program
HIV Incidence

Maryland

Data reported through June 30, 2022. Data for 2020 and 2021 should be interpreted with caution due to the impact of the COVID-19 pandemic on access to HIV testing and care-related services.
Knowledge of HIV Status

What’s the goal?
Increase knowledge of HIV status to 95%

How is it calculated?
Number of people living with diagnosed HIV

What’s the data source?
Estimated based on HIV surveillance data

Number of estimated people living with HIV (diagnosed or undiagnosed)
Knowledge of HIV Status

Maryland

Data reported through June 30, 2022. Data for 2020 and 2021 should be interpreted with caution due to the impact of the COVID-19 pandemic on access to HIV testing and care-related services.
HIV Diagnoses

What’s the goal?

75% decrease in new HIV diagnoses by 2025 and 90% decrease by 2030

How is it calculated?

Number of people newly diagnosed with HIV in the specified time frame

What’s the data source?

HIV surveillance data
HIV Diagnoses

Maryland

Data reported through June 30, 2022. Data for 2020 and 2021 should be interpreted with caution due to the impact of the COVID-19 pandemic on access to HIV testing and care-related services.
Linkage to HIV Medical Care

What’s the goal?

Increase linkage to care to 95% by 2025

How is it calculated?

Number of people who received a CD4 or viral load test within 30 days of HIV diagnosis

What’s the data source?

HIV surveillance data

Number of people newly diagnosed with HIV in a given year
Linkage to HIV Medical Care

Maryland

Data reported through June 30, 2022. Data for 2020 and 2021 should be interpreted with caution due to the impact of the COVID-19 pandemic on access to HIV testing and care-related services.
Viral Suppression

What’s the goal?

Increase viral suppression to 95% by 2025

How is it calculated?

Number of people living with diagnosed HIV who have a low viral load (<200 copies per ml)

What’s the data source?

HIV surveillance data

Number of people living with diagnosed HIV
Viral Suppression

Maryland

Data reported through June 30, 2022. Data for 2020 and 2021 should be interpreted with caution due to the impact of the COVID-19 pandemic on access to HIV testing and care-related services.
Additional Data

AHEAD Dashboard

CHSEE HIV Statistics Webpage

EHE Rankings Dashboard

Email: mdh.hivdatarequest@mmaryland.gov
Prevention and Health Promotion Administration

https://phpa.health.Maryland.gov

mdh.hivdatarequest@maryland.gov