

HIV Indicator Progress & HCV Epidemiology, Connecticut

CHPC QPM Subcommittee, August 2020



Suzanne Speers, MPH, Epidemiologist

www.ct.gov/dph/hivsurveillance

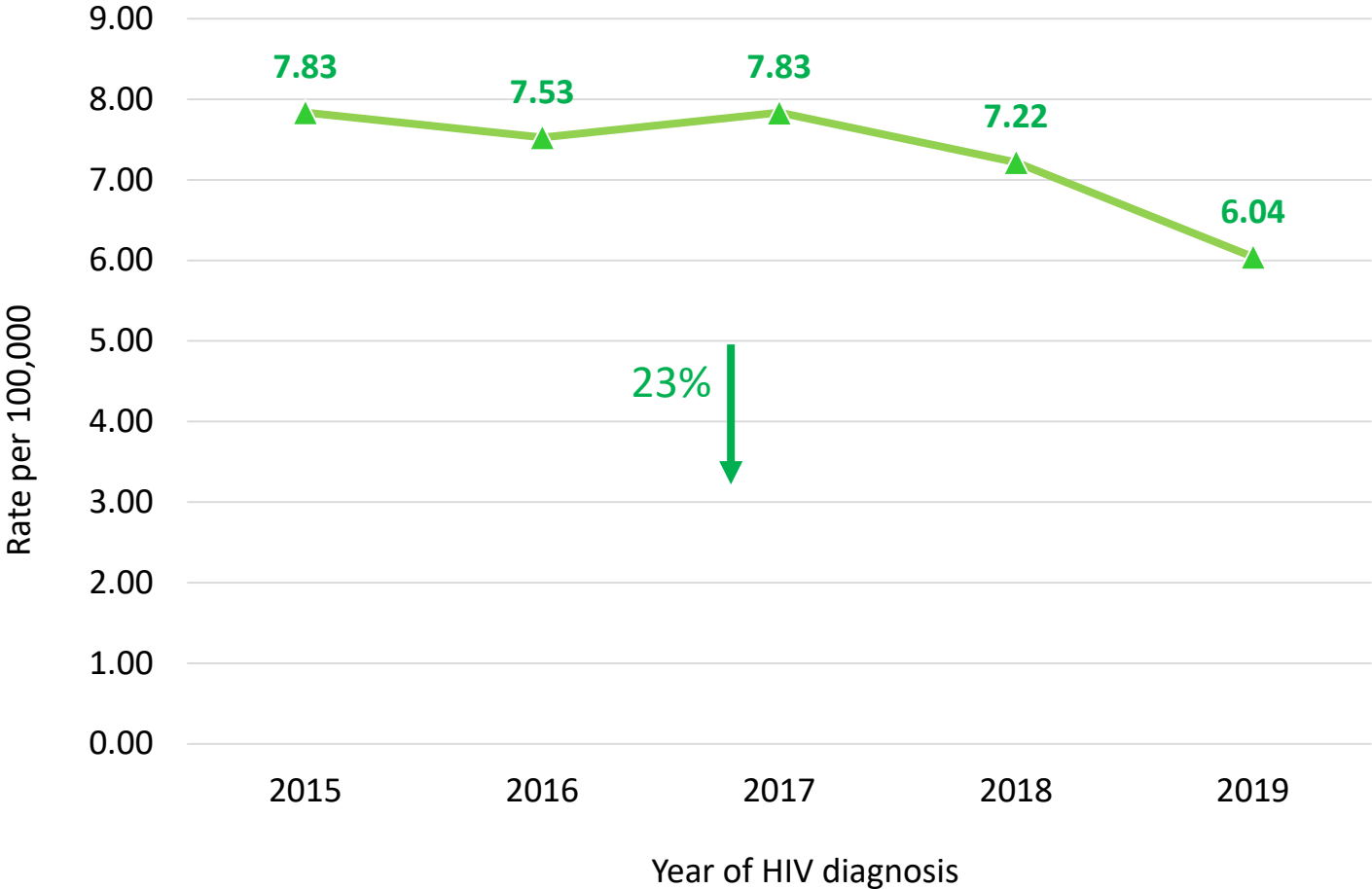
Connecticut Statewide Progress Indicators

Indicator 1	HIV Positivity Rate: Number of newly diagnosed in the 12-month calendar year per 100,000 people
Indicator 2	Seropositivity Rate: Percent of OTL & ETI HIV positive tests in the 12-month calendar year
Indicator 3	Viral Load Suppression Among Persons in HIV Medical Care: Number of persons with an HIV diagnosis with a viral load <200 copies/ml at last test in the 12-month calendar year.
Indicator 4	Linkage to HIV Care (Biological): Number of persons who attended a routine HIV medical care visit within 1 months of HIV diagnosis.
Indicator 5	Retention in HIV Medical Care (Service/Access): Number of patients who had at least one HIV medical visit in each 6-month period of the 24-month measurement period with a minimum of 60 days between first medical visit in the prior 6-month period and the last medical visit in the subsequent 6-month period.
Indicator 6	Late HIV Diagnoses (Late Testers) (Biological): Number of people who had their first HIV positive test less than 3 months before receiving AIDS diagnosis.
Indicator 7	Partner Services: TBD
Indicator 8	Housing Status (Service/Access): Number of persons with an HIV diagnosis who were stably housed in the 12-month calendar year.
Indicator 9	Number of SSP clients served, Number of syringes collected, Number of syringes distributed
Indicator 10	Disparities in New HIV Diagnoses: Number of newly diagnosed in the 12-month calendar year for each of the following groups: Men who have sex with men (MSM), Black/African American/Latino men and women.
Indicator 11	PrEP-to-Need Ratio (PnR): The number of people taking PrEP during the year divided by the number of people newly diagnosed with HIV during the year.

Rate of HIV Infection

Numerator: Number of people newly diagnosed with HIV.

Denominator: Connecticut population.



2021 Goal:
218

Year	# cases
2015	280
2016	269
2017	280
2018	258
2019	216

(preliminary)

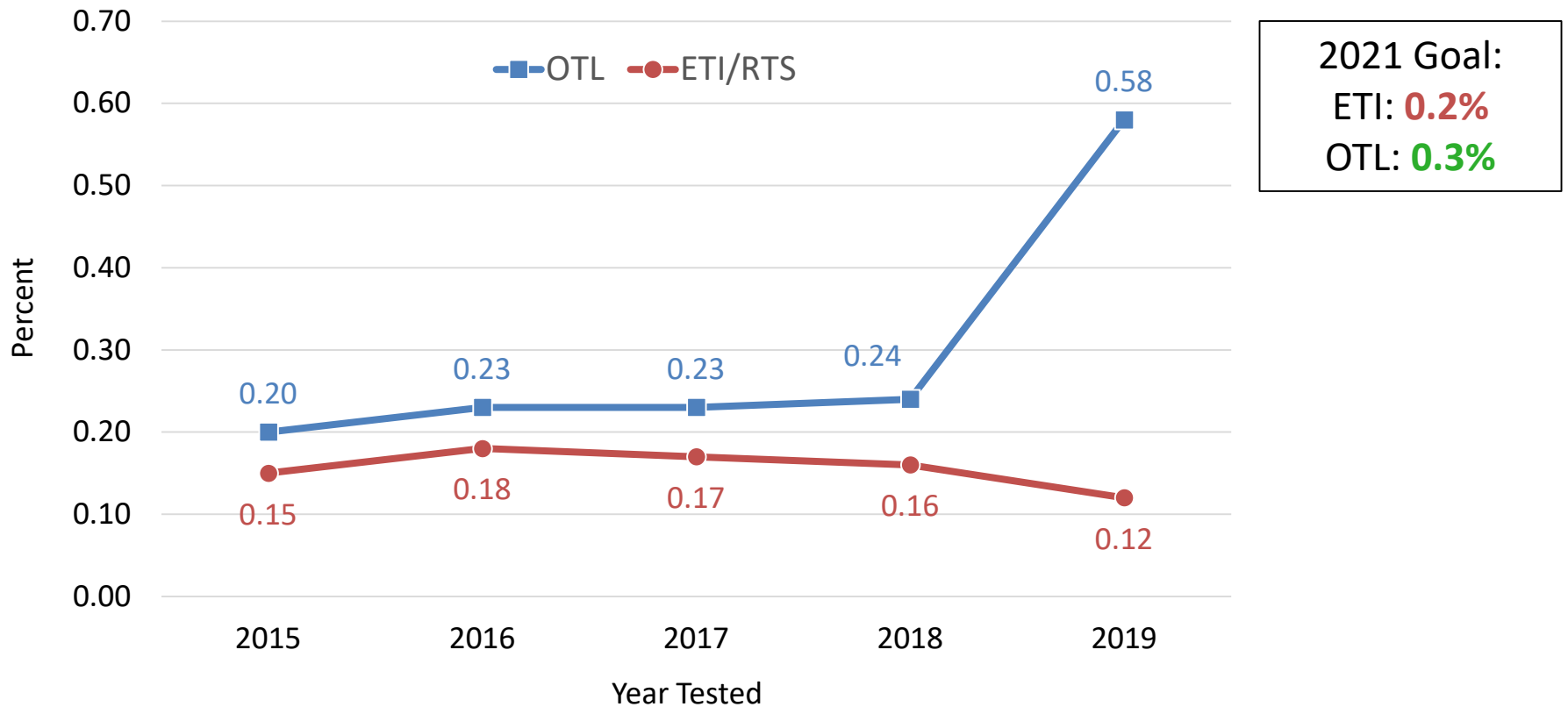


Source: Preliminary HIV surveillance data for cases reported through July 2020 and 2010 census

Seropositivity Rate

Numerator: Number of positive HIV test results from State-funded OTL and ETI/RTS programs.

Denominator: All HIV tests results drawn from State-funded OTL and ETI/RTS programs.



OTL: Outreach, Testing and Linkage = targeted HIV testing in non-healthcare settings

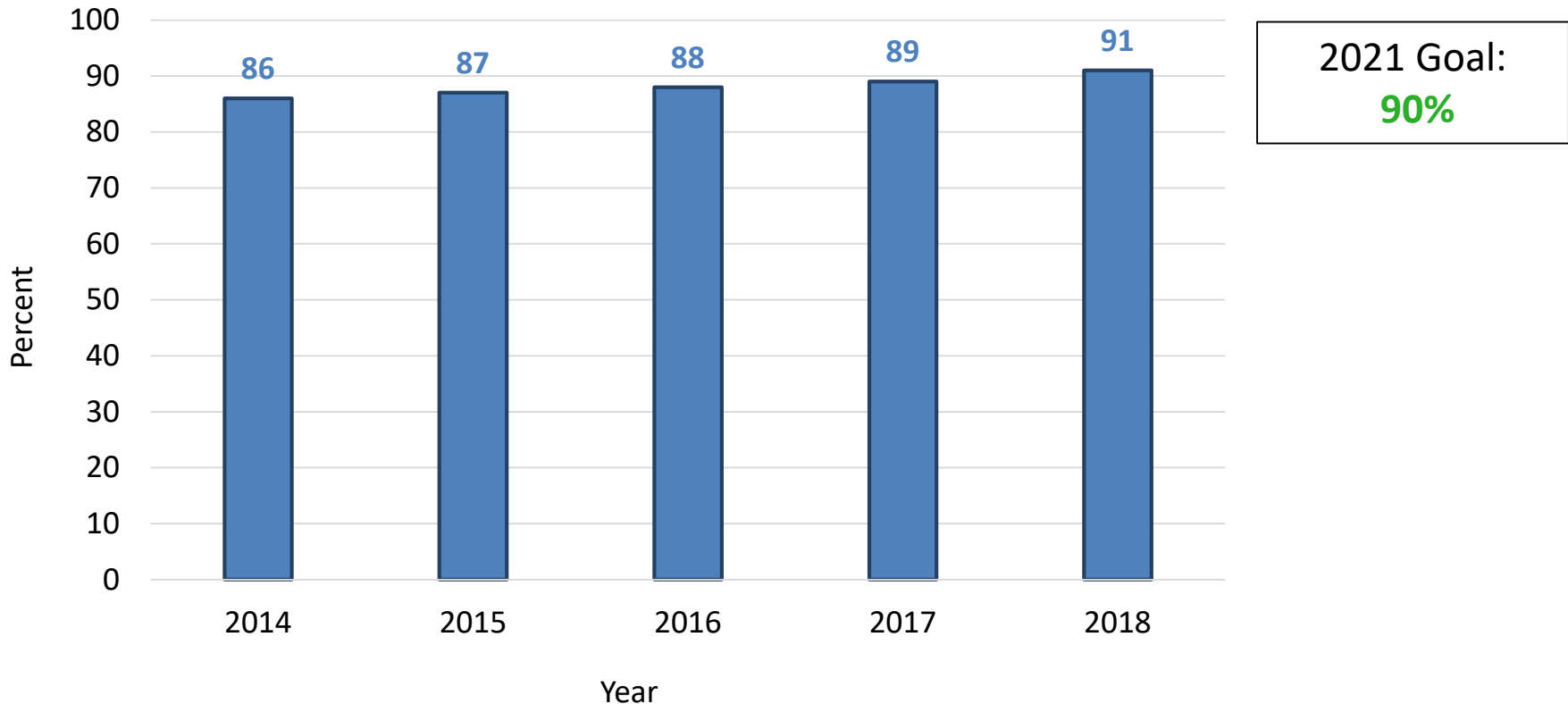
ETI/RTS: Expanded Testing initiative/Routine Testing Services = routine HIV testing in healthcare settings

Source: EvaluationWeb data provided by HIV Prevention Program in August 2020 and preliminary HIV surveillance data reported through July 2020

Viral Load Suppression

Numerator: PLWH, ≥ 13 years old, currently living in CT, with a viral load < 200 copies/mL.

Denominator: PLWH, ≥ 13 years old, currently living in CT, who had at least one care visit during the past calendar year.



Note: Suppression based on latest viral load recorded during the time period analyzed

Percentage reflects persons receiving HIV care during the specified year among persons who were ≥ 13 years old on the last day of the specified year, residing in Connecticut based on last known address, diagnosed with HIV infection through the prior specified year and living with HIV through the specified year.

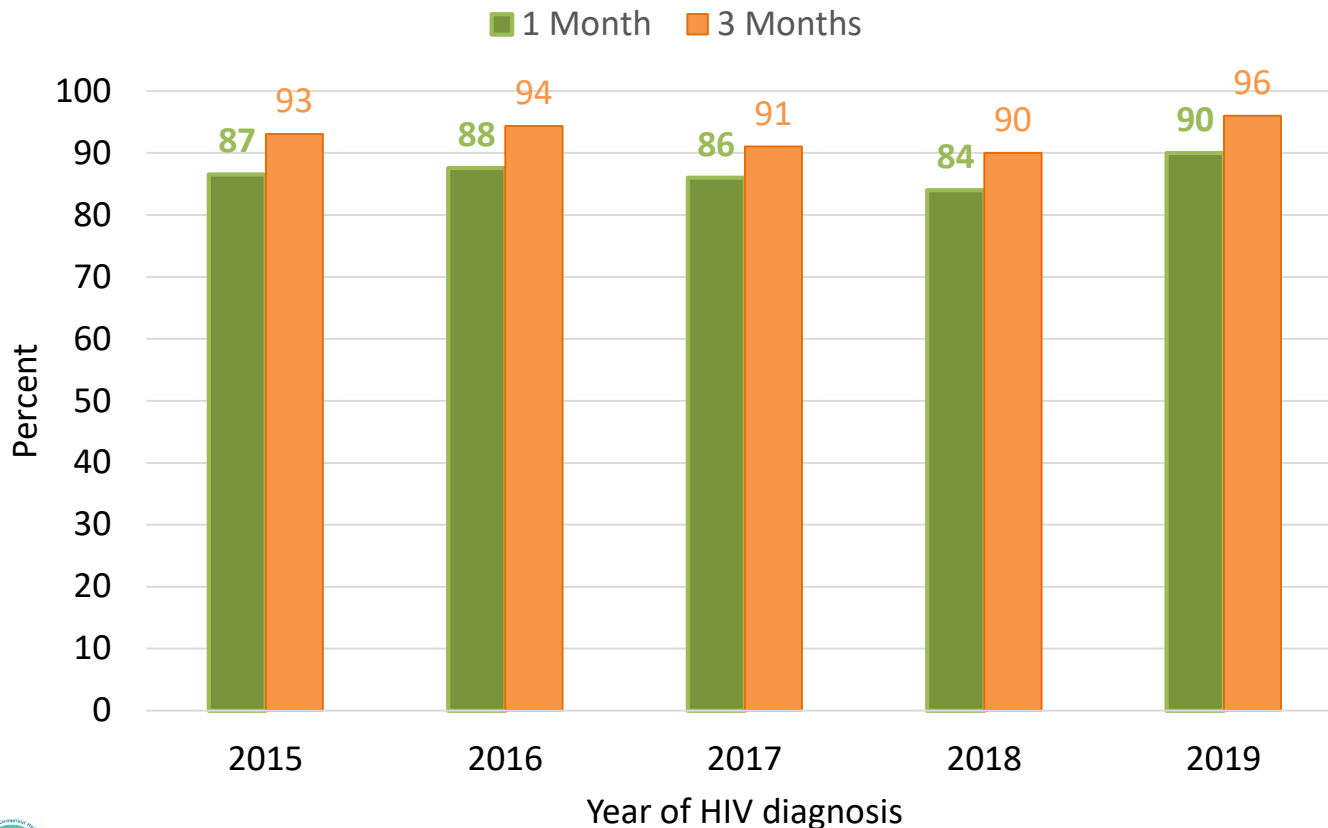
Source: HIV surveillance data for cases reported through December 2019

Linkage to Care

Numerator: Adults and adolescents newly diagnosed with HIV who attended a routine HIV care visit within 3 months of diagnosis.

New for 2019: Adults and adolescents newly diagnosed with HIV who attended a routine HIV care visit within 1 month of diagnosis.

Denominator: Number of adults and adolescents newly diagnosed with HIV in calendar year.



2021 Goal:
linkage at
3 months:
95%
1 month:
TBD

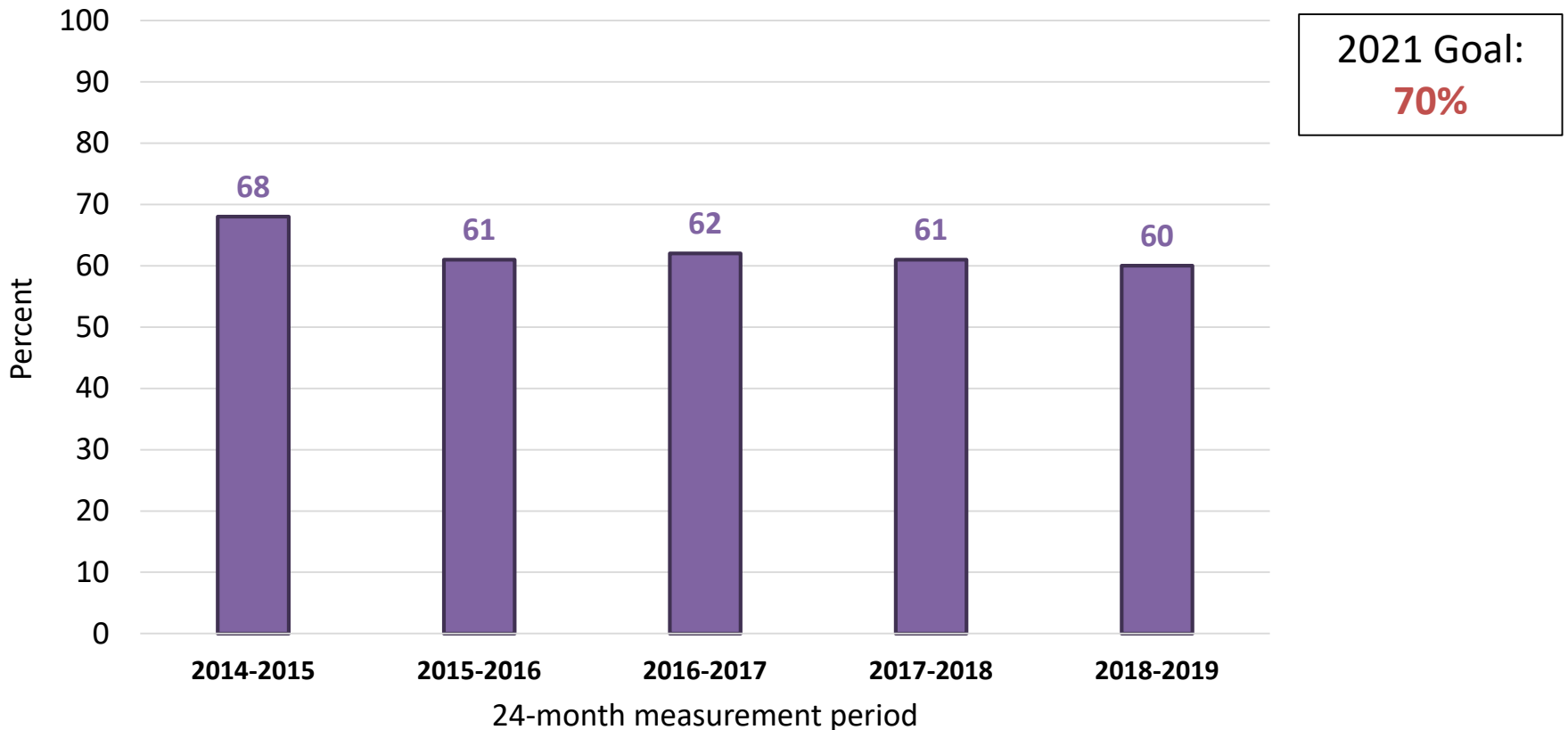
NHAS 2020
Goal:
**85% within 1
month**

Retention in Care

Numerator: Number of PLWH who had:

- At least one visit in each 6-month period of the 24-month measurement period;
- With a minimum of 60 days between 1st visit in the prior 6-month period & the last medical visit in the subsequent 6-month period.

Denominator: Number of patients with a diagnosis of HIV with at least 1 visit in the first 6 months of the 24-month measurement period.

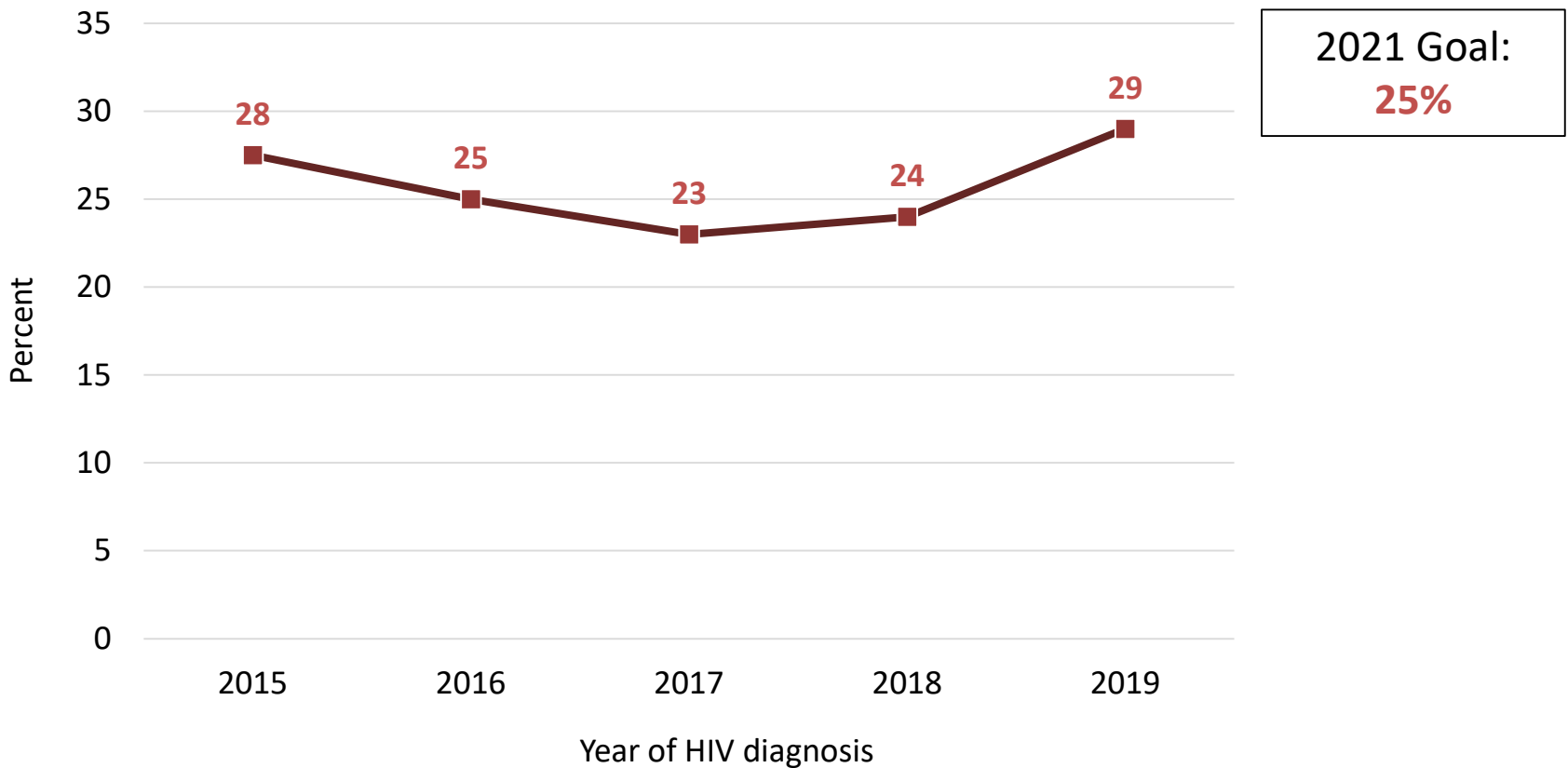


Note: 2018-2019 may be overestimated because 2019 death ascertainment is not complete
Source: Preliminary HIV surveillance data for cases reported through July 2020

Late Testers

Numerator: People presenting with or diagnosed with AIDS within 3 months of initial HIV diagnosis.

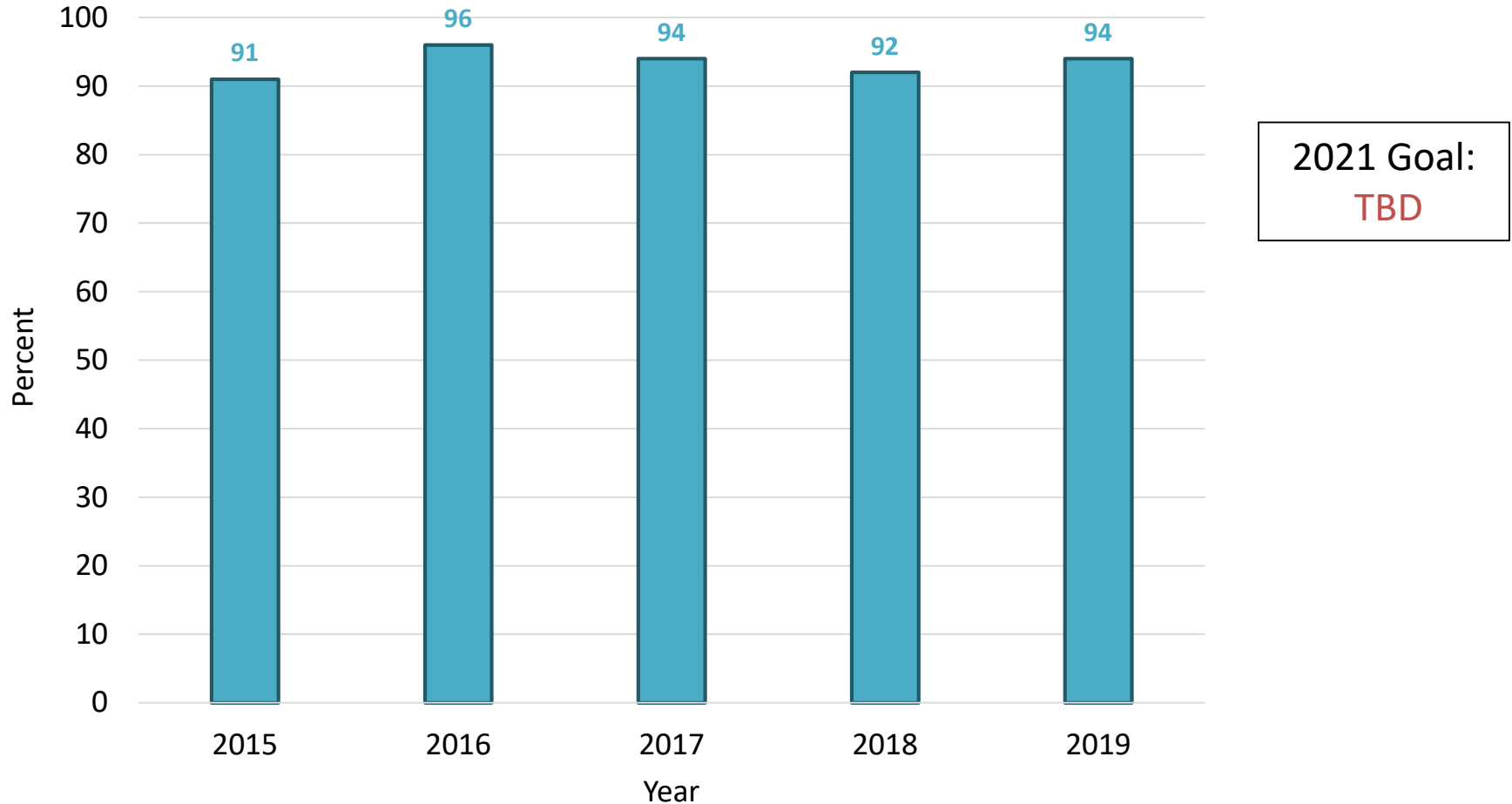
Denominator: People newly diagnosed with HIV in the preceding 12 months.



Partner Services

Numerator: Newly diagnosed PLWH referred to Partner Services who were interviewed.

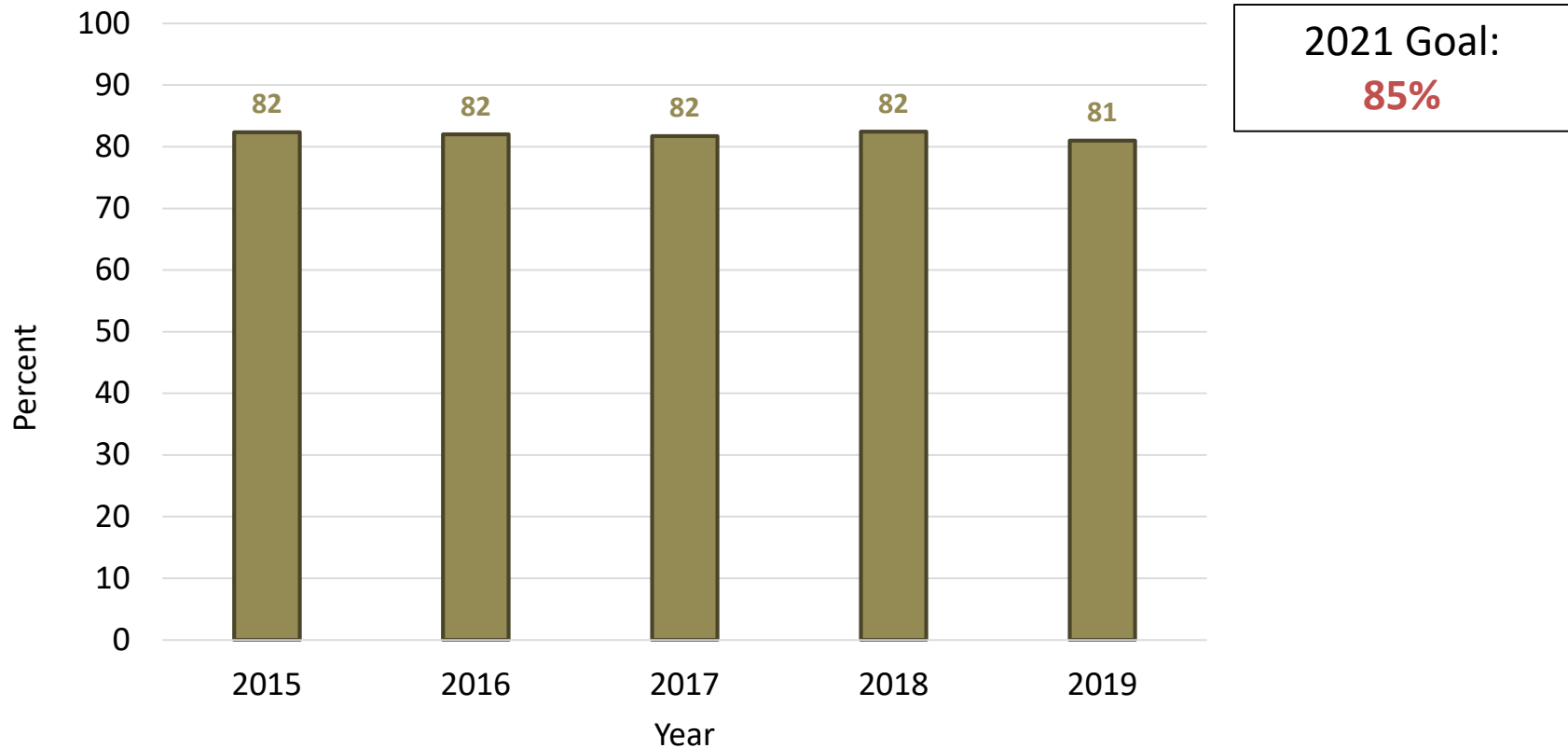
Denominator: Newly diagnosed PLWH referred to Partner Services.



Housing Status and Stability

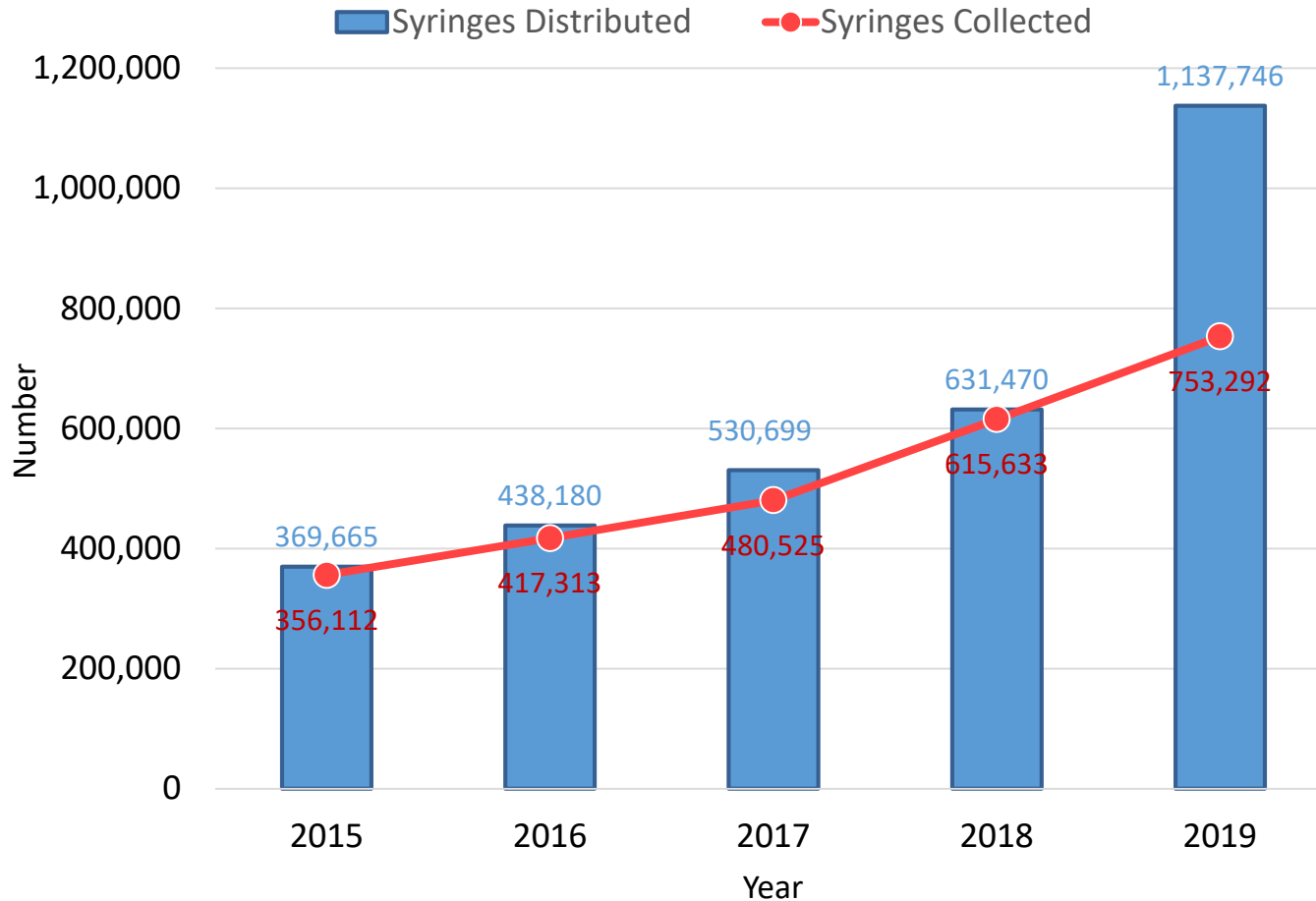
Numerator: Ryan White clients who were stably housed.

Denominator: Ryan White clients receiving HIV services per calendar year.



Syringe Service Programs (SSP)

Number of SSP clients served, Number of syringes collected, Number of syringes distributed

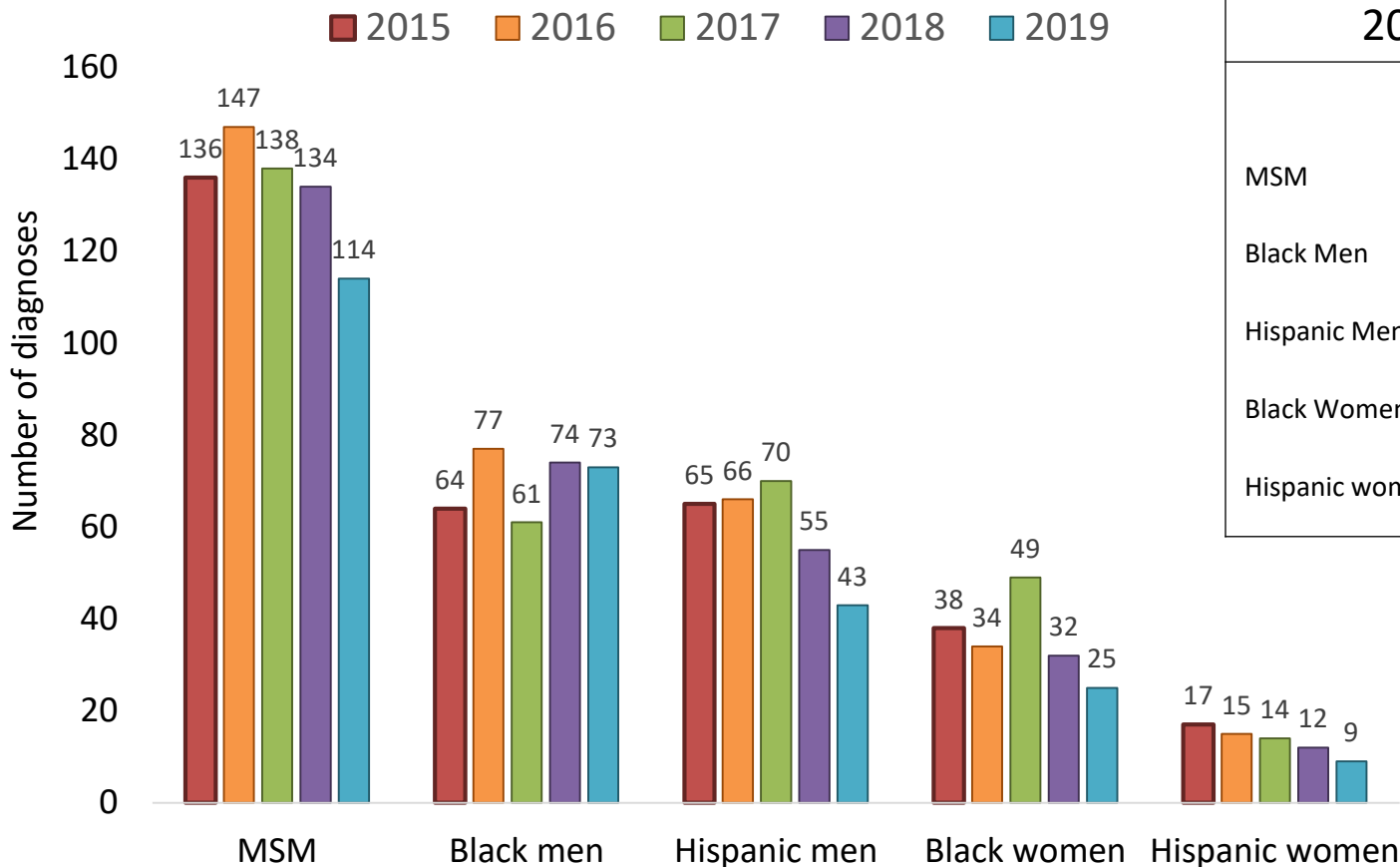


2021 Goal:
 Clients served: **4,000**
 Number of syringes collected: **450,000**
 Number of syringes distributed: **500,000**

Year	Clients
2015	3,643
2016	3,853
2017	3,903
2018	3,949
2019	4,428

Health Disparities

Reduce the annual number of new HIV diagnoses among the following groups: MSM, Black/African American men, Hispanic/Latino men, Black/African American women, and Hispanic/Latino women

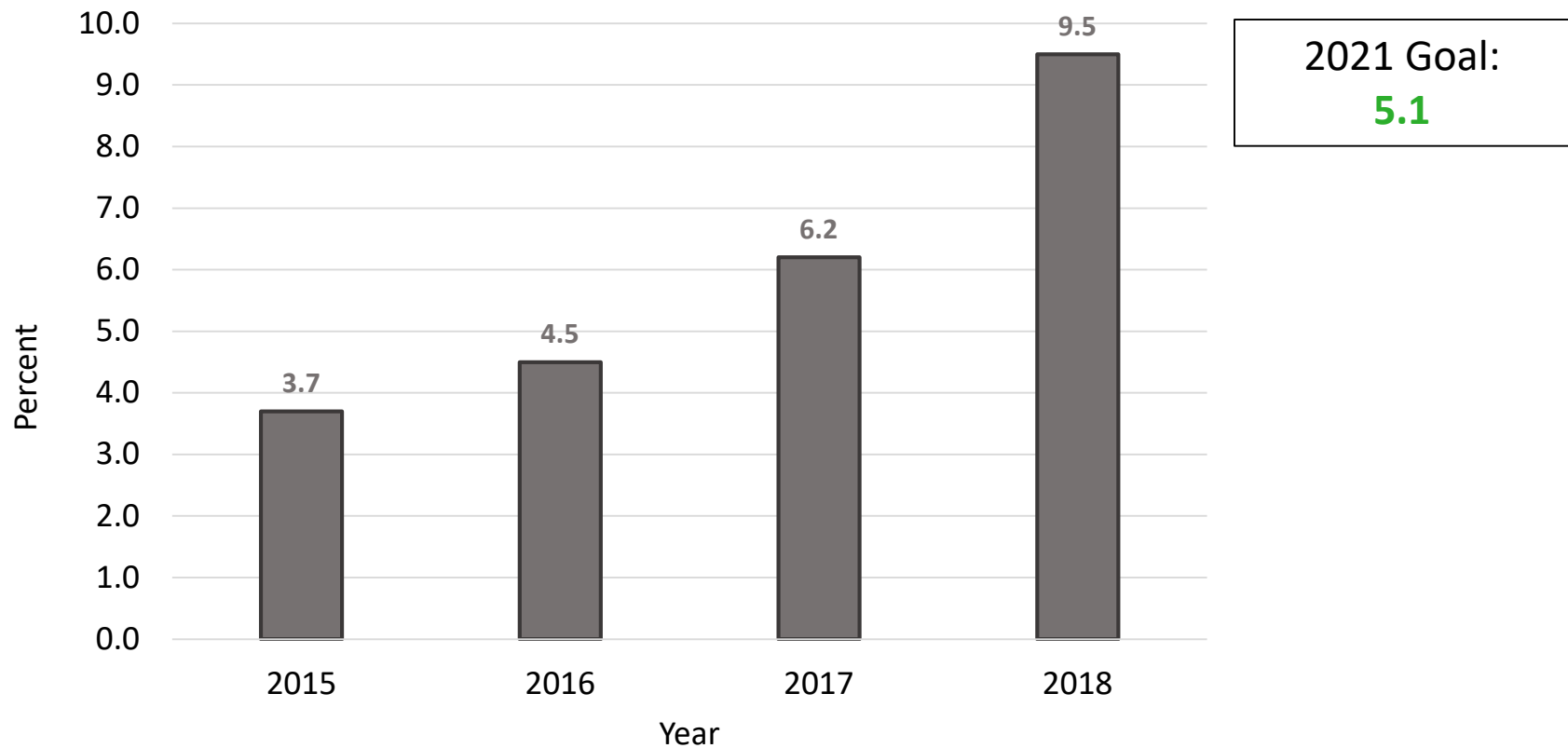


2021 Goal: -15%			
	2015	2019	% change
MSM	136	114	-16
Black Men	64	73	+14
Hispanic Men	65	43	-34
Black Women	38	25	-34
Hispanic women	17	9	-47

PrEP-to-Need Ratio (PnR)

Numerator: Number of people taking PrEP per calendar year.

Denominator: Number of people newly diagnosed with HIV per calendar year.

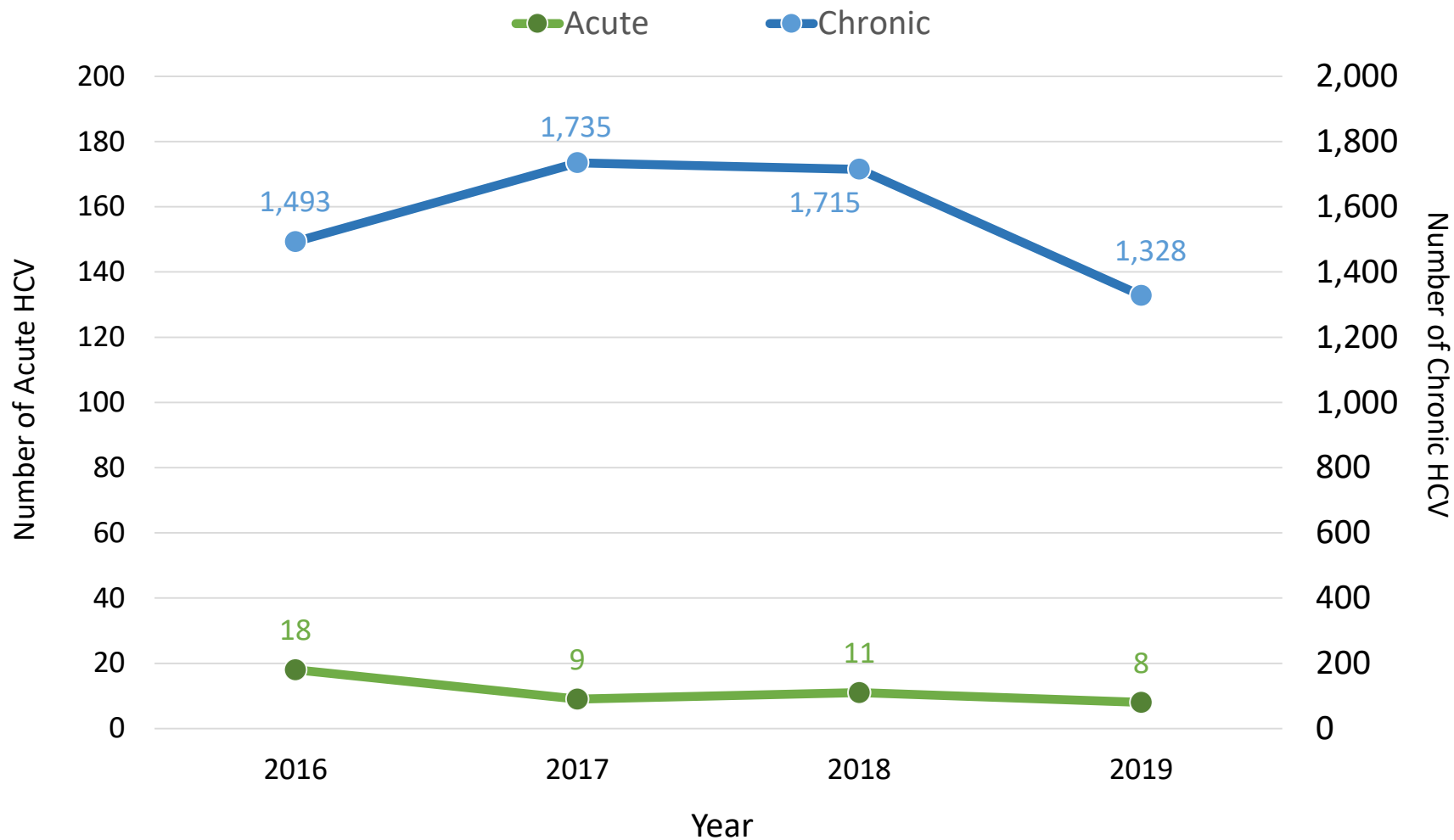


Hepatitis C

Connecticut



Hepatitis C, Acute and Chronic, Connecticut, 2016-2019



Acute HCV At A Glance Connecticut, 2015-2019

Groups most affected by acute hepatitis C, 2015-2019

Rate per 100,000 person years

By Age:

20-29 years: 1.3

30-39 years: 0.8

By Risk:

IDU or Street Drugs: 74%

(cases with risk documented)

By Race/Ethnicity

White: 0.4

By Sex:

Females: 0.4

2018

CT US

0.3 1.2

Per 100,000 people

Rate of Chronic HCV by Select Characteristics Connecticut, 2016-2019

By Age:

<15:	3
15-19:	18
20-29:	294
30-39:	367
40-49:	167
50-59:	232
60+:	169

By Sex:

Males:	230
Females:	124

By Town:

Winchester:	113
Windham:	113
Torrington:	101
Putnam:	99
New London:	96
Hartford:	88
Waterbury:	81
Norwich:	80
Killingly:	78
Bristol:	77

(10 towns with highest rates)

Similarities & Differences

HIV & Chronic HCV Epidemiology in Connecticut

Similarities

Age: *20-39 years of age*

Sex: *Males*

Differences

Residence at diagnosis: *Urban vs Urban & Rural*

Risk: *MSM vs IDU*

Indicator Summary

Indicator 1	HIV Positivity Rate: Number of newly diagnosed in the 12-month calendar year per 100,000 people	On track/TBD
Indicator 2	Seropositivity Rate: Percent of OTL & ETI HIV positive tests in the 12-month calendar year	Met! In progress
Indicator 3	Viral Load Suppression Among Persons in HIV Medical Care: Number of persons with an HIV diagnosis with a viral load <200 copies/ml at last test in the 12-month calendar year.	Met!
Indicator 4	Linkage to HIV Care (Biological): Number of persons who attended a routine HIV medical care visit within 1 months of HIV diagnosis.	TBD
Indicator 5	Retention in HIV Medical Care (Service/Access): Number of patients who had at least one HIV medical visit in each 6-month period of the 24-month measurement period with a minimum of 60 days between first medical visit in the prior 6-month period and the last medical visit in the subsequent 6-month period.	In progress
Indicator 6	Late HIV Diagnoses (Late Testers) (Biological): Number of people who had their first HIV positive test less than 3 months before receiving AIDS diagnosis.	In progress
Indicator 7	Partner Services: TBD	TBD
Indicator 8	Housing Status (Service/Access): Number of persons with an HIV diagnosis who were stably housed in the 12-month calendar year.	In progress
Indicator 9	Number of SSP clients served, Number of syringes collected, Number of syringes distributed	Met! (3 of 3)
Indicator 10	Disparities in New HIV Diagnoses: Number of newly diagnosed in the 12-month calendar year for each of the following groups: Men who have sex with men (MSM), Black/African American/Latino men and women.	Met!(4 of 5) In progress(1 of 5)
Indicator 11	PrEP-to-Need Ratio (PnR): The number of people taking PrEP during the year divided by the number of people newly diagnosed with HIV during the year.	Met!

Conclusions

Indicator Progress:

- 10** Indicators met
- 5** Indicators need improvement
- 2** Indicator goals to be established

HCV Numbers:

- 60** Acute HCV infection, 2015-2019
- 6,271** Chronic HCV infections, 2016-2019

Questions, Comments

Suzanne Speers, MPH
Surveillance Data Manager
Connecticut Department of Public Health
HIV & HCV Surveillance Program
suzanne.speers@ct.gov
(860) 509-7900

Heather Linardos, MPH
Surveillance Program Director
Connecticut Department of Public Health
HIV & HCV Surveillance Program
heather.linardos@ct.gov
(860) 509-7900



For additional HIV and HCV surveillance data, please visit:
www.ct.gov/dph/HIVsurveillance
www.ct.gov/dph/hepatitis