



HIV Care Continuum, Cuyahoga County, 2019

Ohio Department of Health
Bureau of Infectious Diseases
HIV Surveillance Program
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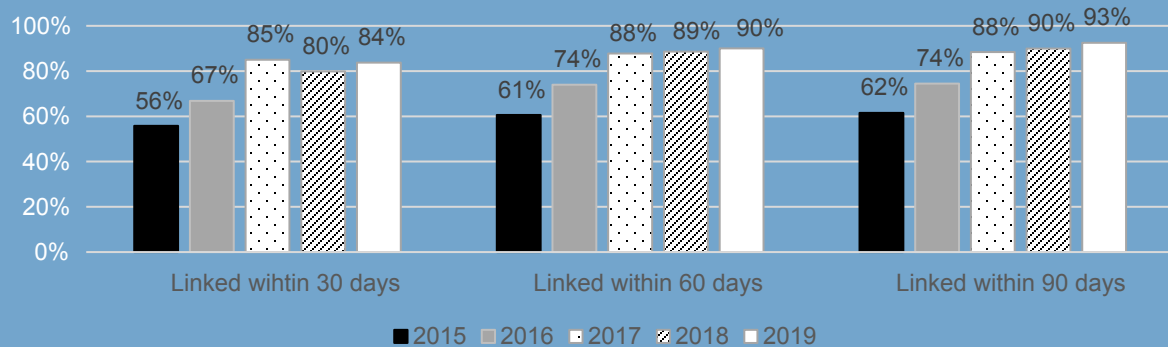


Department of Health

Linkage to Care, Cuyahoga County, 2015-2019

- The objective is for 85% of new diagnoses of HIV to be linked to care within 30 days of HIV diagnosis.
- In 2019, 84% of the new reported diagnoses of HIV among persons aged ≥13 years in Cuyahoga County were linked to care within 30 days of diagnosis, 90% were linked within 60 days, and 93% were linked within 90 days.
- Of those who were diagnosed with HIV in 2019 and linked to care, the average length of time to be linked to care after diagnosis was 25 days.

Linkage to Care, Cuyahoga County, 2015-2019



Notes:

To calculate a care continuum and other related measurements for persons in Ohio diagnosed with HIV infection, HIV Surveillance data are used, including information on CD4 levels of T-lymphocytes (CD4) and viral load results (VL). As of July 1, 2014, Ohio's HIV reporting rules stipulate that all levels of CD4s and VLs are required to be reported for persons diagnosed with HIV living in Ohio. This report is based on the information reported to HIV Surveillance, which includes data from the Ohio Disease Reporting System and the Ryan White Application Database.

Numerator: Of the denominator, the number having at least one CD4 and/or VL test within 30, 60, and 90 days of the date of HIV diagnosis.

Denominator: The number of new diagnoses of HIV infection in Cuyahoga County among persons aged ≥13 years in each year.

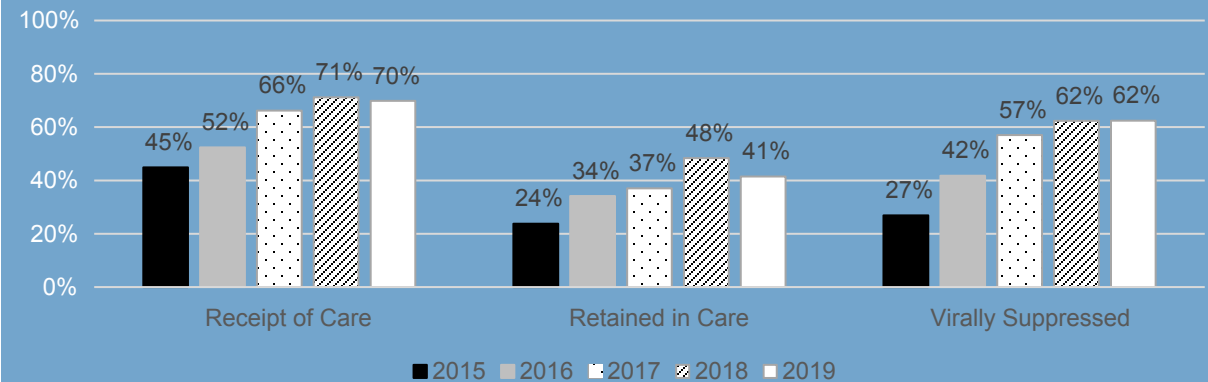
Reported new diagnoses of HIV infection include persons with a diagnosis of HIV (not AIDS), a diagnosis of HIV and an AIDS diagnosis within 12 months (HIV & later AIDS), and concurrent diagnoses of HIV and AIDS (AIDS) who were residents of Ohio at time of initial diagnosis. New diagnoses of HIV Infection represent all persons confidentially tested and reported with a diagnosis of HIV infection not previously reported to the Ohio Department of Health (ODH).

Source: Ohio Department of Health, HIV Surveillance Program. Data reported through April 30, 2021.

Persons Living With Diagnosed HIV, Continuum of Care, Cuyahoga County, 2015-2019

- Of the persons living with HIV in Cuyahoga County at the end of 2019 who were in receipt of care, and still living in Cuyahoga County at the end of 2020, 89% were virally suppressed.
- Thirty percent of the persons living with HIV at the end of 2019, and still living in Cuyahoga County at the end of 2020, did not have a CD4 or VL test in 2020. These persons are considered to be 'out of care,' and have an 'unmet need.'

Persons Living With Diagnosed HIV, Continuum of Care, Cuyahoga County, 2015-2019



Numerator Definitions:

Receipt of Care: Having at least one CD4 and/or VL test through the end of the following year (e.g., living with HIV as of Dec. 31, 2019, and having a CD4/VL test in 2020).

Retained in Care: Having at least two CD4 and/or VL tests at least three months apart through the end of the following year (e.g., living with HIV as of Dec. 31, 2019, and having at least two CD4/VL tests three months apart in 2020).

Virally Suppressed: The most recent VL test in the following year was <200 copies/mL (e.g., living with HIV as of Dec. 31, 2019, and the most recent VL test in 2020 was <200 copies/mL).

Denominator: The number of persons aged ≥13 years living with HIV infection through the end of each year, and still living in Cuyahoga County at the end of the next year (e.g., living with HIV as of Dec. 31, 2019, and still living in Cuyahoga County as of Dec. 31, 2020).

Living with diagnosed HIV infection represents all persons living in Ohio ever diagnosed and reported with HIV and/or AIDS who have not been reported as having died as of Dec. 31 of the corresponding year, regardless of whether the person was a resident of Ohio at time of initial HIV and/or AIDS diagnosis.

Linkage to Care, Cuyahoga County, 2019

Linkage to Care

	2019						
	Numerator						Denominator
	Linked within 30 days		Linked within 60 days		Linked within 90 days		Total
	No.	%	No.	%	No.	%	
Sex at birth							
Male	115	83%	124	90%	127	92%	138
Female	19	86%	20	91%	21	95%	22
Age							
13-14	–	–	–	–	–	–	–
15-19	7	88%	7	88%	7	88%	8
20-24	30	81%	32	86%	33	89%	37
25-29	30	83%	33	92%	33	92%	36
30-34	23	88%	24	92%	26	100%	26
35-39	11	85%	13	100%	13	100%	13
40-44	6	67%	7	78%	7	78%	9
45-49	10	83%	11	92%	12	100%	12
50-54	6	86%	6	86%	6	86%	7
55-64	6	86%	6	86%	6	86%	7
65+	5	100%	5	100%	5	100%	5
Race/Ethnicity							
American Indian/Alaska Native	–	–	–	–	–	–	–
Asian/Pacific Islander	2	100%	2	100%	2	100%	2
Black/African-American	87	81%	95	88%	99	92%	108
Hispanic/Latino	14	88%	15	94%	15	94%	16
White	30	94%	30	94%	30	94%	32
Multi-race	1	50%	2	100%	2	100%	2
Transmission Category							
Male-to-male sexual contact	77	86%	83	92%	85	94%	90
Male IDU	2	100%	2	100%	2	100%	2
Male-to-male sexual contact & IDU	6	100%	6	100%	6	100%	6
Male heterosexual contact	5	83%	5	83%	5	83%	6
Male other/unknown	25	74%	28	82%	29	85%	34
Female IDU	2	67%	2	67%	3	100%	3
Female heterosexual contact	13	93%	14	100%	14	100%	14
Female other/unknown	4	80%	4	80%	4	80%	5
Total	134	84%	144	90%	148	93%	160

Notes:

Numerator: Of the denominator, the number having at least one CD4 and/or VL test within 30, 60, and 90 days of the date of HIV diagnosis.

Denominator: The number of new diagnoses of HIV infection in Cuyahoga County among persons aged ≥13 years in each year.

Reported new diagnoses of HIV infection include persons with a diagnosis of HIV (not AIDS), a diagnosis of HIV and an AIDS diagnosis within 12 months (HIV & later AIDS), and concurrent diagnoses of HIV and AIDS (AIDS) who were residents of Ohio at time of initial diagnosis.

Male and female refer to sex assigned at birth.

Hispanics/Latinos may be of any race. In this report, persons with a race of American Indian/Alaska Native, Asian/Pacific Islander, Black/African-American, white, or multi-race are not Hispanic. Asian/Pacific Islander includes Native Hawaiians.

Transmission categories are mutually exclusive, hierarchical categories defined by the CDC and system-calculated using sex at birth and risk factor history to determine mode of transmission. A person with multiple risks is only represented in the highest category based on the CDC hierarchical algorithm. Thus, transgender women are included in the male-to-male sexual contact transmission category if assigned male at birth and risk factor history indicates sex with males. Please note this is for the categorization of HIV transmission categories only and not to describe sexual orientation.

Dash (–) indicates no cases were reported for the given category. Small numbers should be interpreted with caution.

Source: Ohio Department of Health, HIV Surveillance Program. Data reported through April 30, 2021.

Persons Living With Diagnosed HIV, Continuum of Care, Cuyahoga County, 2019

	Continuum of Care						
	2019						
	Numerator						Denominator
	Receipt		Retain		Viral Suppression		Total
Sex at Birth	No.	%	No.	%	No.	%	
Male	2,643	70%	1,570	41%	2,356	62%	3,785
Female	695	70%	411	41%	629	63%	994
Age							
13-14	3	75%	2	50%	3	75%	4
15-19	14	74%	7	37%	13	68%	19
20-24	114	73%	71	46%	97	62%	156
25-29	297	72%	162	40%	231	56%	410
30-34	309	73%	169	40%	259	62%	421
35-39	295	70%	142	34%	252	60%	419
40-44	276	69%	139	35%	238	59%	401
45-49	353	69%	214	42%	320	63%	509
50-54	488	70%	304	44%	451	65%	695
55-64	873	69%	563	45%	812	64%	1,264
65+	316	66%	208	43%	309	64%	481
Race/Ethnicity							
American Indian/Alaska Native	–	–	–	–	–	–	1
Asian/Pacific Islander	8	44%	4	22%	7	39%	18
Black/African-American	1,883	69%	1,126	41%	1,618	59%	2,728
Hispanic/Latino	397	70%	235	41%	369	65%	570
White	897	72%	527	42%	855	69%	1,243
Multi-race	153	79%	89	46%	136	70%	193
Unknown	–	–	–	–	–	–	26
Transmission Category							
Male-to-male sexual contact	1,931	74%	1,140	44%	1,720	66%	2,592
Male IDU	92	59%	58	37%	83	53%	156
Male-to-male sexual contact & IDU	125	66%	71	37%	114	60%	190
Male heterosexual contact	172	70%	110	45%	152	62%	247
Male other/unknown	310	53%	183	32%	279	48%	580
Female IDU	92	70%	61	47%	86	66%	131
Female heterosexual contact	556	74%	318	42%	507	67%	756
Female other/unknown	29	37%	18	23%	24	30%	79
Pediatric	31	65%	22	46%	20	42%	48
Total	3,338	70%	1,981	41%	2,985	62%	4,779

Notes:

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Denominator: The number of persons aged ≥13 years living with HIV infection through the end of each year, and still living in Cuyahoga County at the end of the next year.

Living with diagnosed HIV infection represents all persons living in Ohio ever diagnosed and reported with HIV and/or AIDS who have not been reported as having died as of Dec. 31 of the corresponding year, regardless of whether the person was a resident of Ohio at time of initial HIV and/or AIDS diagnosis.

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Pediatric transmission category refers to persons aged <13 years at time of initial diagnosis, who are currently aged ≥13 years.

Dash (–) indicates no cases were reported for the given category. Small numbers should be interpreted with caution.

Source: Ohio Department of Health, HIV Surveillance Program. Data reported through April 30, 2021.