



HIV Care Continuum, Hamilton County, 2019

Ohio Department of Health
Bureau of Infectious Diseases
HIV Surveillance Program
246 N. High St.
Columbus, OH 43215
614-387-2722

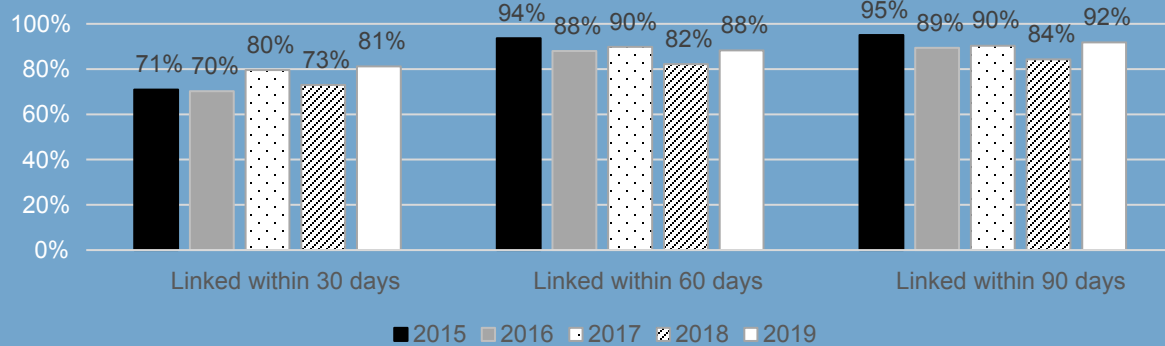


Department of Health

Linkage to Care, Hamilton 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, 81% of the new reported diagnoses of HIV among persons aged ≥13 years in Hamilton County were linked to care within 30 days of diagnosis, 88% were linked within 60 days, and 92% 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 22 days.

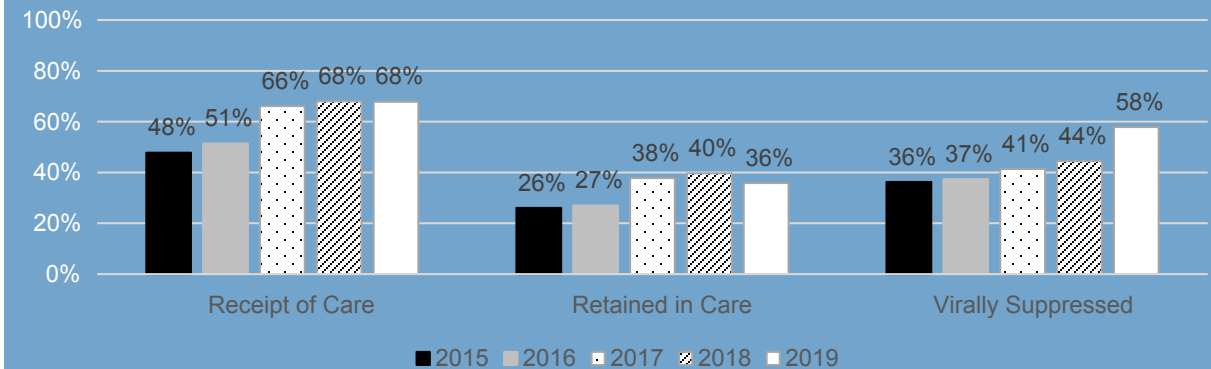
Linkage to Care, Hamilton County, 2015-2019



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

- Of the persons living with HIV in Hamilton County at the end of 2019 who were in receipt of care, and still living in Hamilton County at the end of 2020, 85% were virally suppressed.
- Thirty-two percent of the persons living with HIV at the end of 2019, and still living in Hamilton 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, Hamilton 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 Hamilton 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.

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 Hamilton County at the end of the next year (e.g., living with HIV as of Dec. 31, 2019, and still living in Hamilton 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, Hamilton County, 2019

	Linkage to Care						
	2019						
	Numerator						Denominator
	Linked within 30 days		Linked within 60 days		Linked within 90 days		Total
Sex at birth	No.	%	No.	%	No.	%	
Male	100	88%	107	94%	110	96%	114
Female	38	68%	43	77%	46	82%	56
Age							
13-14	–	–	–	–	–	–	–
15-19	7	100%	7	100%	7	100%	7
20-24	20	74%	22	81%	24	89%	27
25-29	25	83%	25	83%	27	90%	30
30-34	22	71%	28	90%	29	94%	31
35-39	22	85%	25	96%	25	96%	26
40-44	11	73%	12	80%	13	87%	15
45-49	9	90%	9	90%	9	90%	10
50-54	8	89%	8	89%	8	89%	9
55-64	9	90%	9	90%	9	90%	10
65+	5	100%	5	100%	5	100%	5
Race/Ethnicity							
American Indian/Alaska Native	–	–	–	–	–	–	–
Asian/Pacific Islander	–	–	–	–	–	–	–
Black/African-American	74	89%	76	92%	78	94%	83
Hispanic/Latino	4	67%	4	67%	5	83%	6
White	52	72%	61	85%	64	89%	72
Multi-race	8	89%	9	100%	9	100%	9
Transmission Category							
Male-to-male sexual contact	52	96%	52	96%	53	98%	54
Male IDU	17	68%	23	92%	24	96%	25
Male-to-male sexual contact & IDU	6	100%	6	100%	6	100%	6
Male heterosexual contact	4	100%	4	100%	4	100%	4
Male other/unknown	21	84%	22	88%	23	92%	25
Female IDU	16	55%	20	69%	23	79%	29
Female heterosexual contact	21	81%	22	85%	22	85%	26
Female other/unknown	1	100%	1	100%	1	100%	1
Total	138	81%	150	88%	156	92%	170

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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, Hamilton County, 2019

	Continuum of Care						
	2019						
	Numerator						Denominator
	Receipt		Retain		Viral Suppression		Total
	No.	%	No.	%	No.	%	
Sex at Birth							
Male	1,590	68%	849	36%	1,364	58%	2,333
Female	464	67%	236	34%	388	56%	696
Age							
13-14	–	–	–	–	–	–	–
15-19	19	86%	13	59%	16	73%	22
20-24	84	71%	44	37%	64	54%	118
25-29	185	66%	96	34%	151	54%	280
30-34	282	72%	119	31%	221	57%	390
35-39	199	70%	97	34%	162	57%	286
40-44	170	62%	90	33%	143	52%	274
45-49	190	65%	100	34%	164	56%	293
50-54	276	68%	161	40%	250	62%	404
55-64	484	67%	268	37%	435	60%	724
65+	165	69%	97	41%	146	61%	238
Race/Ethnicity							
American Indian/Alaska Native	–	–	–	–	–	–	1
Asian/Pacific Islander	14	70%	7	35%	14	70%	20
Black/African-American	1,210	67%	615	34%	1,003	56%	1,801
Hispanic/Latino	65	68%	35	36%	59	61%	96
White	670	68%	375	38%	593	60%	983
Multi-race	95	79%	53	44%	83	69%	120
Unknown	–	–	–	–	–	–	8
Transmission Category							
Male-to-male sexual contact	1,164	73%	618	39%	1,019	64%	1,599
Male IDU	77	64%	40	33%	57	48%	120
Male-to-male sexual contact & IDU	70	70%	43	43%	58	58%	100
Male heterosexual contact	65	58%	37	33%	54	48%	112
Male other/unknown	209	53%	108	27%	173	44%	395
Female IDU	66	62%	34	32%	47	44%	106
Female heterosexual contact	379	71%	195	37%	322	60%	534
Female other/unknown	13	29%	5	11%	13	29%	45
Pediatric	11	61%	5	28%	9	50%	18
Total	2,054	68%	1,085	36%	1,752	58%	3,029

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 Hamilton 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.