



HIV Care Continuum, Ohio, 2019

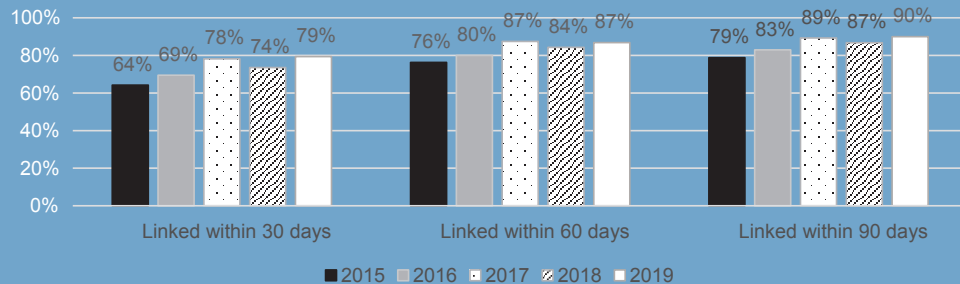
Ohio Department of Health
Bureau of Infectious Diseases
HIV Surveillance Program
246 N. High St.
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614-387-2722



Linkage to Care, Ohio, 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, 79% of the new reported diagnoses of HIV among persons aged ≥13 years in Ohio were linked to care within 30 days of diagnosis, 87% were linked within 60 days, and 90% 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 26 days.

Linkage to Care, Ohio, 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 Ohio among persons aged ≥13 years in each year.

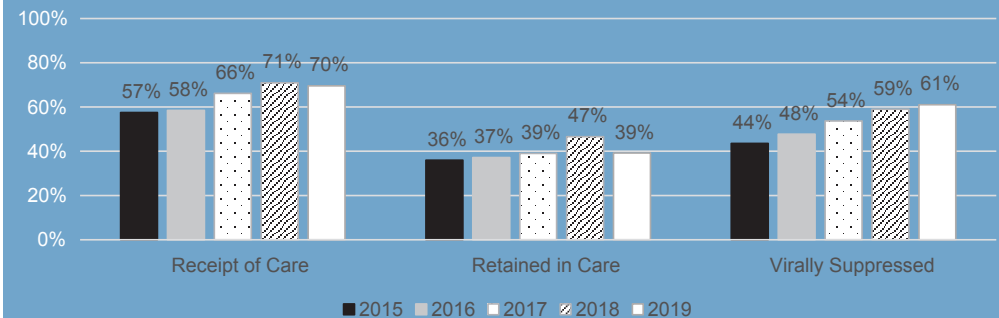
Reported new diagnoses of HIV infection include persons with a diagnosis of HIV (not AIDS), a diagnosis of HIV and an AIDS diagnosis within 12 months (HIV & later AIDS), and concurrent diagnoses of HIV and AIDS (AIDS) who were residents of Ohio at time of initial diagnosis. New diagnoses of HIV infection 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, Ohio, 2015-2019

- Of the persons living with HIV in Ohio at the end of 2019 who were in receipt of care, and still living in Ohio at the end of 2020, 88% were virally suppressed.
- Thirty percent of the persons living with HIV at the end of 2019, and still living in Ohio 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, Ohio, 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 Ohio at the end of the next year (e.g., living with HIV as of Dec. 31, 2019, and still living in Ohio 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.

<https://odh.ohio.gov/wps/portal/gov/odh/know-our-programs/hiv-aids-surveillance-program>



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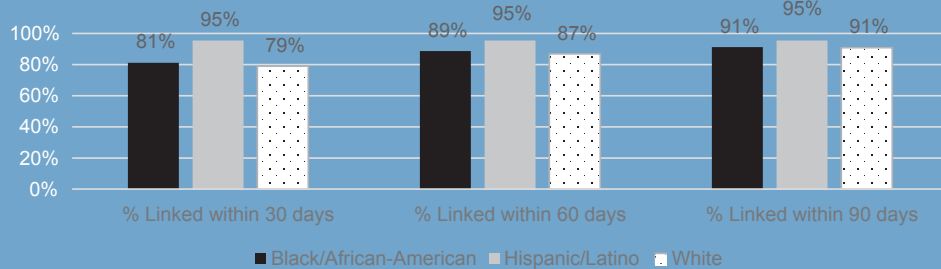
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Males Aged 13-29 Years With Male-to-Male Sexual Contact, Continuum of Care, Ohio, 2019

- In 2019, 81% of the new reported diagnoses of HIV among Black/African-American males with male-to-male sexual contact aged 13-29 years, 95% among Hispanic/Latino males with male-to-male sexual contact aged 13-29 years, and 79% of white males with male-to-male sexual contact aged 13-29 years in Ohio were linked within 30 days of diagnosis.

Linkage to Care Among Males Aged 13-29 Years With Male-to-Male Sexual Contact by Race/Ethnicity, Ohio, 2019



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 Ohio 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).

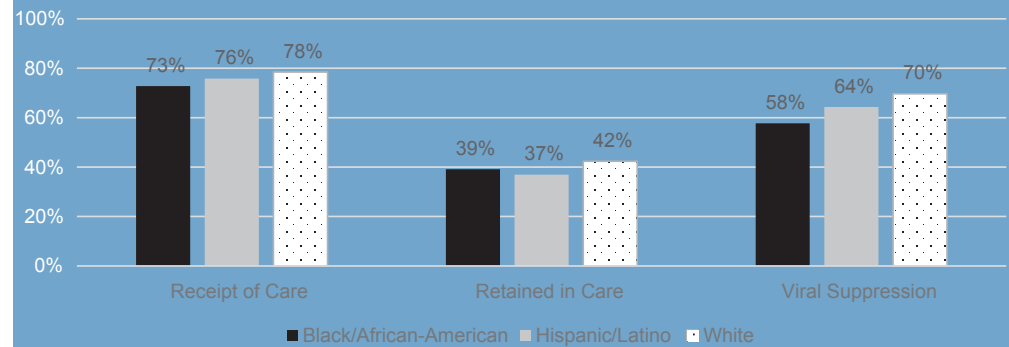
Male and female refer to sex assigned at birth. Hispanics/Latinos may be of any race. In this report, persons with a race of American Indian/Alaska Native, Asian/Pacific Islander, Black/African-American, white, or multi-race are not Hispanic. Asian/Pacific Islander includes Native Hawaiians.

Transmission categories are mutually exclusive, hierarchical categories defined by the Centers for Disease Control and Prevention (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.

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

- Seventy-three percent of Black/African-American males with male-to-male sexual contact aged 13-29 years, 76% of Hispanic/Latino males with male-to-male sexual contact aged 13-29 years, and 78% of white males with male-to-male sexual contact aged 13-29 years living with diagnosed HIV at the end of 2019 in Ohio received care in 2020.

Males With Male-to-Male Sexual Contact Aged 13-29 Years Living With Diagnosed HIV-Continuum of Care, by Race/Ethnicity, Ohio, 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).

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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 Ohio at the end of the next year (e.g., living with HIV as of Dec. 31, 2019, and still living in Ohio as of Dec. 31, 2020).

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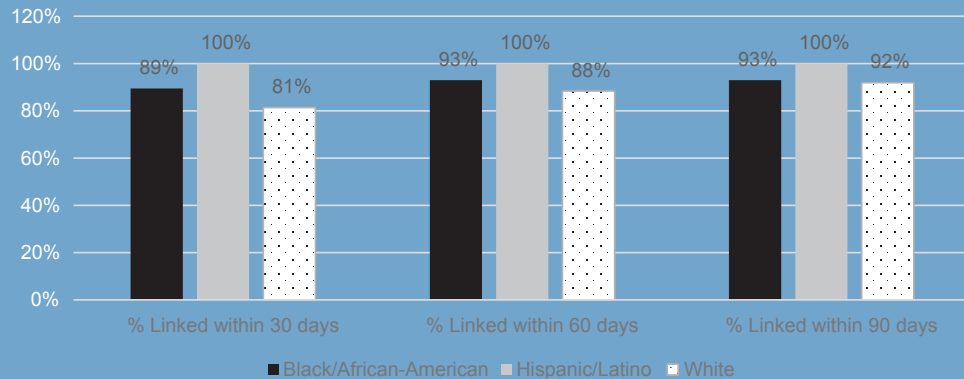
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Persons Aged 50+ Years, Continuum of Care, Ohio, 2019

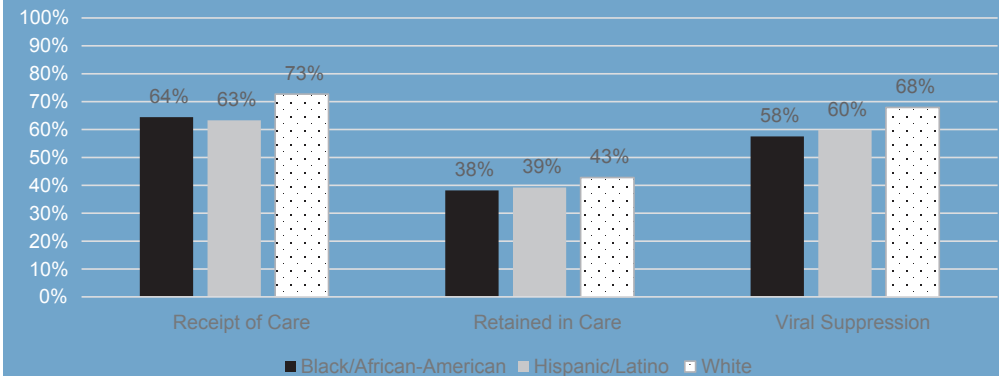
- In 2019, 89% of the new reported diagnoses of HIV among Black/African-American individuals aged 50+ years in Ohio, 100% among Hispanics/Latinos aged 50+ years, and 81% among white individuals aged 50+ years were linked within 30 days of diagnosis.

Linkage to Care Among Persons Aged 50+ Years by Race/Ethnicity, Ohio, 2019



- Sixty-four percent of Blacks/African-American individuals aged 50+ years, 63% of Hispanics/Latinos aged 50+ years, and 73% of white individuals aged 50+ years living with diagnosed HIV at the end of 2019 received care in 2020.

Persons Aged 50+ Years Living With Diagnosed HIV, Continuum of Care, by Race/Ethnicity, Ohio, 2019



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 Ohio 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).

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Numerator Definitions:

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<https://odh.ohio.gov/wps/portal/gov/odh/know-our-programs/hiv-aids-surveillance-program>

Linkage to Care

Sex at birth	2019						
	Numerator						Denominator
	Linked within 30 days		Linked within 60 days		Linked within 90 days		Total
	No.	%	No.	%	No.	%	
Male	622	81%	678	88%	700	91%	772
Female	148	75%	164	83%	173	87%	198
Age							
13-14	-	--	-	--	-	--	-
15-19	38	90%	38	90%	38	90%	42
20-24	139	74%	155	82%	164	87%	189
25-29	145	78%	158	85%	164	89%	185
30-34	115	77%	127	85%	133	89%	149
35-39	82	82%	92	92%	94	94%	100
40-44	67	79%	74	87%	77	91%	85
45-49	49	79%	54	87%	56	90%	62
50-54	49	80%	54	89%	56	92%	61
55-64	62	87%	65	92%	65	92%	71
65+	24	92%	25	96%	26	100%	26
Race/Ethnicity							
American Indian/Alaska Native	-	--	-	--	-	--	-
Asian/Pacific Islander	7	100%	7	100%	7	100%	7
Black/African-American	366	79%	400	87%	418	91%	461
Hispanic/Latinx	53	87%	55	90%	56	92%	61
White	311	78%	342	85%	354	88%	401
Multi-race	33	83%	38	95%	38	95%	40
Transmission Category							
Male-to-male sexual contact	380	85%	411	92%	420	94%	448
Male IDU	34	64%	43	81%	46	87%	53
Male-to-male sexual contact & IDU	42	79%	44	83%	45	85%	53
Male heterosexual contact	29	85%	30	88%	31	91%	34
Male Other/Unknown	137	74%	150	82%	158	86%	184
Female IDU	30	61%	35	71%	40	82%	49
Female heterosexual contact	107	80%	118	88%	122	91%	134
Female Other/Unknown	11	73%	11	73%	11	73%	15
Region							
Region 1	40	87%	45	98%	45	98%	46
Region 2	11	85%	12	92%	12	92%	13
Region 3/Part A-Cleveland	154	84%	165	90%	170	92%	184
Region 4	32	46%	42	61%	46	67%	69
Region 5	16	73%	19	86%	20	91%	22
Region 6	7	58%	8	67%	8	67%	12
Region 7	9	69%	9	69%	9	69%	13
Region 8	175	80%	190	87%	200	91%	219
Region 9	94	77%	103	84%	108	89%	122
Region 10	13	65%	17	85%	18	90%	20
Region 11/Part A-Columbus	201	87%	214	92%	219	94%	232
Total	770	79%	842	87%	873	90%	970

Notes:

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Region 1: Defiance, Fulton, Henry, Lucas, Ottawa, Sandusky, Williams, Wood; Region 2: Ashland, Crawford, Erie, Huron, Knox, Marion, Richland, Seneca, Wyandot; Part A-Cleveland/Region 3: Ashtabula, Cuyahoga, Geauga, Lake, Lorain, Medina; Region 4: Columbiana, Mahoning, Portage, Summit, Trumbull; Region 5: Carroll, Coshocton, Harrison, Holmes, Jefferson, Stark, Tuscarawas, Wayne; Region 6: Athens, Belmont, Guernsey, Meigs, Monroe, Morgan, Muskingum, Noble, Perry, Washington; Region 7: Adams, Fayette, Gallia, Hocking, Jackson, Lawrence, Pike, Ross, Scioto, Vinton; Region 8: Brown, Butler, Clermont, Clinton, Hamilton, Highland, Warren; Region 9: Clark, Darke, Greene, Miami, Montgomery, Preble; Region 10: Allen, Auglaize, Champaign, Hancock, Hardin, Logan, Mercer, Paulding, Putnam, Shelby, Van Wert; Part A-Columbus/Region 11: Delaware, Fairfield, Franklin, Licking, Madison, Morrow, Pickaway, Union. Sum of Regions may not equal grand total due to persons with unknown county of residence.

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.

Continuum of Care							
2019							
	Numerator						Denominator
	Receipt		Retain		Viral Suppression		Total
	No.	%	No.	%	No.	%	
Sex at Birth							
Male	13,425	70%	7,604	40%	11,810	62%	19,166
Female	3,427	68%	1,894	37%	2,981	59%	5,059
Age							
13-14	17	81%	13	62%	17	81%	21
15-19	92	80%	62	54%	82	71%	115
20-24	589	74%	329	42%	481	61%	791
25-29	1,431	72%	756	38%	1,166	58%	1,994
30-34	1,814	73%	944	38%	1,500	60%	2,494
35-39	1,569	70%	835	37%	1,321	59%	2,247
40-44	1,555	68%	819	36%	1,333	58%	2,300
45-49	1,929	69%	1,074	38%	1,685	60%	2,802
50-54	2,452	70%	1,431	41%	2,216	63%	3,515
55-64	4,058	69%	2,390	41%	3,727	63%	5,894
65+	1,346	66%	845	41%	1,263	62%	2,052
Race/Ethnicity							
American Indian/Alaska Native	6	43%	3	21%	5	36%	14
Asian/Pacific Islander	96	61%	55	35%	92	58%	158
Black/African-American	7,181	67%	4,029	38%	6,083	57%	10,700
Hispanic/Latinx	1,191	67%	693	39%	1,078	61%	1,778
White	7,629	73%	4,298	41%	6,899	66%	10,503
Multi-race	748	77%	419	43%	633	65%	967
Unknown	1	1%	1	1%	1	1%	105
Transmission Category							
Male-to-male sexual contact	9,767	75%	5,490	42%	8,674	66%	13,047
Male IDU	461	59%	259	33%	388	50%	776
Male-to-male sexual contact & IDU	715	72%	431	43%	600	60%	999
Male heterosexual contact	778	67%	456	39%	665	57%	1,162
Male Other/Unknown	1,639	53%	932	30%	1,432	46%	3,087
Female IDU	417	66%	234	37%	344	55%	631
Female heterosexual contact	2,772	72%	1,518	39%	2,436	63%	3,876
Female Other/Unknown	154	36%	85	20%	135	31%	430
Pediatric	149	69%	93	43%	117	54%	217
Region							
Region 1	891	71%	507	40%	787	63%	1,255
Region 2	254	65%	150	39%	209	54%	389
Region 3/Part A-Cleveland	3,936	70%	2,364	42%	3,544	63%	5,594
Region 4	1,141	66%	595	34%	1,011	58%	1,733
Region 5	440	67%	256	39%	398	61%	653
Region 6	182	59%	110	36%	169	55%	309
Region 7	212	66%	119	37%	190	60%	319
Region 8	2,694	69%	1,407	36%	2,331	60%	3,914
Region 9	1,324	68%	593	30%	1,166	60%	1,951
Region 10	227	62%	121	33%	191	52%	369
Region 11/Part A-Columbus	4,039	71%	2,353	42%	3,553	63%	5,666
Total	16,852	70%	9,498	39%	14,791	61%	24,225

Notes:

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

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