



# HIV Care Continuum, Region 4, 2022

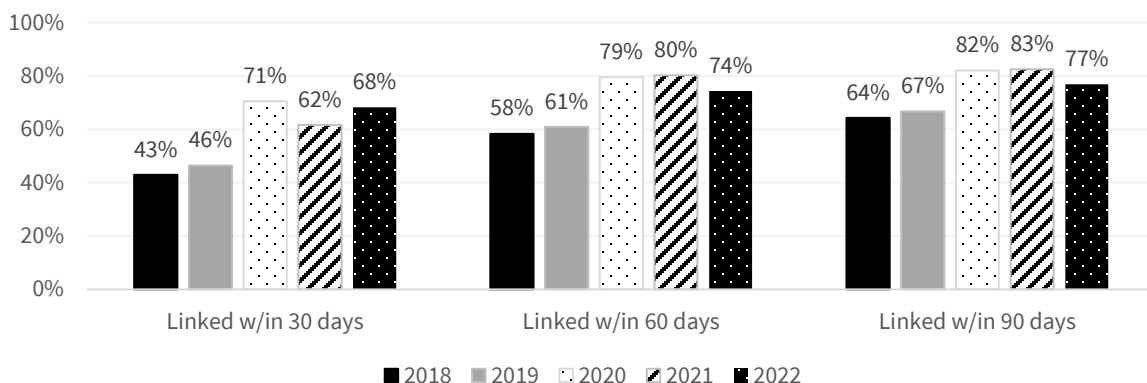
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## Linkage to Care, Region 4, 2018-2022

- The objective is for 85% of persons newly diagnosed with HIV to be linked to care within 30 days of HIV diagnosis.
- In 2022, 68% of persons aged  $\geq 13$  years newly diagnosed with HIV in Region 4 were linked to care within 30 days of diagnosis, 74% were linked within 60 days, and 77% were linked within 90 days.
- Of those who were diagnosed with HIV in 2022 and linked to care, the average length of time to be linked to care after diagnosis was 42 days.

Linkage to Care, Region 4, 2018-2022



### 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 counts and percentages of T-lymphocytes (CD4) and viral load results (VL). As of July 1, 2014, Ohio's HIV reporting rules stipulate that all CD4s and VLs are required to be reported for persons diagnosed with HIV living in Ohio. The following 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.

Please note 2020 data should be interpreted with caution due to impact of the COVID-19 pandemic on HIV care services.

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 Region 4 among persons aged  $\geq 13$  years in each year.

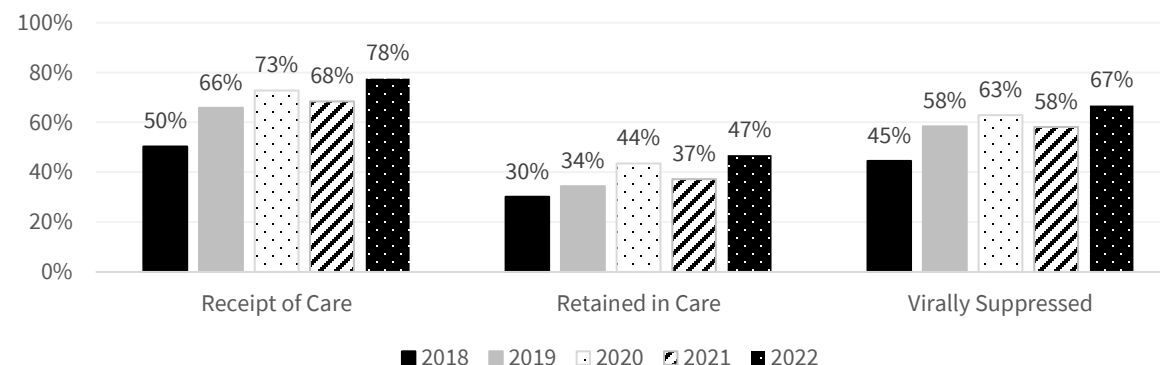
Reported new diagnoses of HIV infection include persons with a diagnosis of HIV (not AIDS), a diagnosis of HIV and an AIDS diagnosis within 12 months (HIV & later AIDS), and concurrent diagnoses of HIV and AIDS (AIDS) who were residents of Region 4 at time of initial diagnosis. New diagnoses of HIV infection 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, 2024.

## Persons Living with Diagnosed HIV, Continuum of Care, Region 4, 2018-2022

- Of the persons living with HIV in Region 4 at the end of 2022 who were in receipt of care and still living in Region 4 at the end of 2023, 86% were virally suppressed.
- Twenty-two percent of the persons living with HIV at the end of 2022 and still living in Region 4 at the end of 2023, did not have a CD4 or VL test in 2023. These persons are considered to be "out of care," and have an "unmet need."

Persons Living with Diagnosed HIV-Continuum of Care, Region 4, 2018-2022



### 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, 2022, and having a CD4/VL test in 2023).

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, 2022, and having at least two CD4/VL tests three months apart in 2023).

Virally Suppressed: The most recent VL test in the following year was  $<200$  copies/mL (e.g., living with HIV as of Dec. 31, 2022, and the most recent VL test in 2023 was  $<200$  copies/mL).

Denominator: The number of persons aged  $\geq 13$  years living with HIV infection through the end of each year, and still living in Region 4 at the end of the next year (e.g., living with HIV as of Dec. 31, 2022, and still living in Region 4 as of Dec. 31, 2023).

Living with diagnosed HIV infection represents all persons living in Region 4 ever diagnosed and reported with HIV and/or AIDS who have not been reported as having died as of December 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/know-our-programs/hiv-aids-surveillance-program>

	Linkage to Care						
	2022						
	Numerator						Denominator
	Linked w/in 30 days		Linked w/in 60 days		Linked w/in 90 days		Total
Sex at birth	No.	%	No.	%	No.	%	
Male	40	66%	44	72%	46	75%	61
Female	16	76%	17	81%	17	81%	21
Age							
13-19	1	100%	1	100%	1	100%	1
20-29	15	63%	17	71%	17	71%	24
30-39	16	57%	18	64%	20	71%	28
40-49	13	81%	14	88%	14	88%	16
50-59	8	89%	8	89%	8	89%	9
60+	3	75%	3	75%	3	75%	4
Race/Ethnicity							
American Indian/Alaska Native	-	--	-	--	-	--	-
Asian/Pacific Islander	-	--	-	--	-	--	-
Black/African-American	23	70%	25	76%	25	76%	33
Hispanic/Latino	5	71%	6	86%	6	86%	7
White	27	69%	29	74%	31	79%	39
Multi-race	1	33%	1	33%	1	33%	3
Transmission Category							
Male-to-male sexual contact	24	69%	27	77%	29	83%	35
Male IDU	1	100%	1	100%	1	100%	1
Male-to-male sexual contact & IDU	2	40%	3	60%	3	60%	5
Male heterosexual contact	5	100%	5	100%	5	100%	5
Male Other/Unknown	8	53%	8	53%	8	53%	15
Female IDU	1	50%	1	50%	1	50%	2
Female heterosexual contact	11	85%	11	85%	11	85%	13
Female Other/Unknown	4	67%	5	83%	5	83%	6
<b>Total</b>	<b>56</b>	<b>68%</b>	<b>61</b>	<b>74%</b>	<b>63</b>	<b>77%</b>	<b>82</b>

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 Region 4 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.

Males and Females refer to sex assigned at birth.

Hispanics/Latinos may be of any race. 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.

**Region 4:** Columbiana, Mahoning, Portage, Summit, Trumbull Counties.

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, 2024.

Persons Living with Diagnosed HIV-Continuum of Care, Region 4, 2022

Sex at Birth	Continuum of Care						
	2022						
	Numerator						Denominator
	Receipt		Retain		Viral Suppression		Total
	No.	%	No.	%	No.	%	
Male	1,199	78%	725	47%	1,032	67%	1,537
Female	330	76%	198	46%	284	65%	435
<b>Age</b>							
13-19	6	100%	5	83%	4	67%	6
20-29	138	78%	77	44%	108	61%	176
30-39	294	76%	176	46%	240	62%	386
40-49	267	80%	141	42%	227	68%	335
50-59	428	79%	268	49%	376	69%	544
60+	396	75%	256	49%	361	69%	525
<b>Race/Ethnicity</b>							
American Indian/Alaska Native	-	--	-	--	-	--	-
Asian/Pacific Islander	7	64%	4	36%	7	64%	11
Black/African-American	584	75%	346	45%	477	61%	776
Hispanic/Latino	115	82%	70	50%	101	72%	140
White	733	79%	449	48%	656	71%	928
Multi-race	90	83%	54	50%	75	69%	108
Unknown	-	0%	-	0%	-	0%	9
<b>Transmission Category</b>							
Male-to-male sexual contact	862	83%	521	50%	744	71%	1,042
Male IDU	34	69%	18	37%	30	61%	49
Male-to-male sexual contact & IDU	66	75%	42	48%	58	66%	88
Male heterosexual contact	73	80%	46	51%	61	67%	91
Male Other/Unknown	155	61%	95	37%	134	52%	256
Female IDU	34	69%	18	37%	32	65%	49
Female heterosexual contact	269	81%	164	50%	230	69%	331
Female Other/Unknown	21	45%	11	23%	17	36%	47
Pediatric	15	79%	8	42%	10	53%	19
<b>Total</b>	<b>1,529</b>	<b>78%</b>	<b>923</b>	<b>47%</b>	<b>1,316</b>	<b>67%</b>	<b>1,972</b>

Notes:

**Receipt of Care:** Having at least one CD4 and/or VL test through the end of the following year. **Retained in Care:** Having at least two CD4 and/or VL tests at least three months apart through the end of the following year. **Virally Suppressed:** The most recent VL test in the following year 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 Region 4 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 December 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.

**Region 4:** Columbiana, Mahoning, Portage, Summit, Trumbull Counties.

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Source: Ohio Department of Health, HIV Surveillance Program. Data reported through April 30, 2024.