



WASHINGTON STATE HIV SURVEILLANCE REPORT 2023 EDITION



Office of Infectious Disease Assessment Unit (360) 236-3455 www.doh.wa.gov/HIVAIDSData

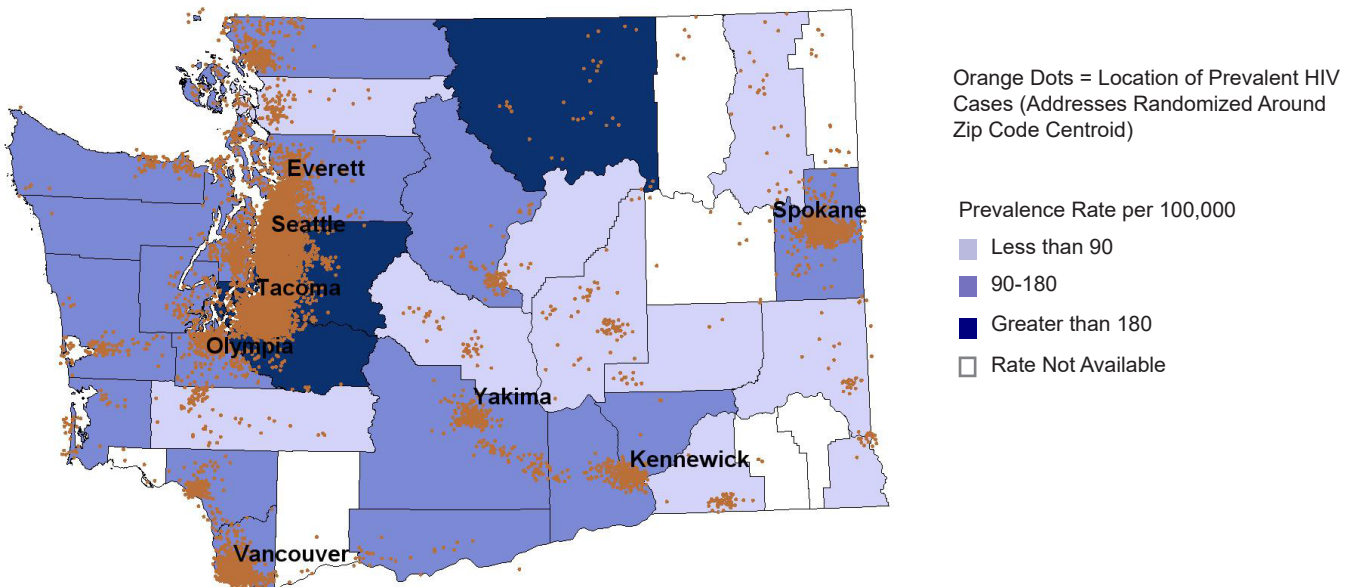
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HIV IN WASHINGTON: AN OVERVIEW

- In Washington, the first case of HIV was diagnosed in 1981.
- There are roughly 15,000 people living with HIV in Washington State, with about 400 new cases diagnosed each year.
- HIV has the largest impact on cisgender men, in particular cisgender men who have sex with men (MSM). On average, cisgender men make up 79% of the annual number of new cases, and male-male sex is the identified exposure in 52% of new cases.
- Just under half of all cases live in King County, which is the state's most populous and urban county.

Figure 1. Living HIV Cases and Prevalence Rates by County, 2022



STATISTICS: NEW HIV CASES

Table 1. New HIV and AIDS Cases, Late HIV Diagnoses and Linkage to Care, by Demographic and Risk Characteristics, WA State, 2022

	New AIDS Cases			New HIV Cases			Late HIV Diagnoses ^a		Linkage to HIV Care ^a	
	no.	column %	rate (per 100000)	no.	column %	rate (per 100000)	no.	row %	no.	row %
Total	215	100%	2.7	421	100%	5.4	119	28%	336	80%
Gender										
Cisgender Men	170	79%	4.3	332	79%	8.4	89	27%	264	80%
Cisgender Women	41	19%	1.0	76	18%	1.9	28	37%	60	79%
Transgender Men	0	0%	n/a	2	0%	n/a	--	--	--	--
Transgender Women	4	2%	n/a	11	3%	n/a	2	18%	10	91%
Age at HIV Diagnosis										
<14	0	0%	0.0	1	0%	0.1 ^{NR}	--	--	--	--
15-24	14	7%	1.4 ^{NR}	60	14%	6.2	8	13%	51	85%
25-34	46	21%	4.0	149	35%	13.1	26	17%	120	81%
35-44	76	35%	7.0	112	27%	10.3	41	37%	87	78%
45-54	45	21%	4.8	60	14%	6.4	25	42%	46	77%
55-64	24	11%	2.5	32	8%	3.3	15	47%	25	78%
65+	10	5%	0.7 ^{NR}	7	2%	0.5 ^{NR}	--	--	--	--
Race/ethnicity										
American Indian/Alaska Native	1	0%	1.1 ^{NR}	3	1%	3.2 ^{NR}	--	--	--	--
Asian	12	6%	1.5 ^{NR}	33	8%	4.2	7	21%	26	79%
Black	42	20%	13.1	93	22%	29.0	28	30%	78	84%
Foreign-born ^b	28	13%	34.5	42	10%	51.7	19	45%	39	93%
U.S.-born ^b	13	6%	5.8 ^{NR}	41	10%	18.3	7	17%	32	78%
Latinx or Hispanic (all races)	57	27%	5.0	111	26%	9.7	32	29%	92	83%
Foreign-born ^b	32	15%	10.2	52	12%	16.6	24	46%	44	85%
U.S.-born ^b	18	8%	2.4	31	7%	4.1	4	13%	27	87%
Native Hawaiian or other Pacific Islander	7	3%	10.3 ^{NR}	9	2%	13.3 ^{NR}	--	--	--	--
White	86	40%	1.7	155	37%	3.1	46	30%	120	77%
Multiracial	10	5%	2.0 ^{NR}	17	4%	3.4	0	0%	10	59%
Mode of Exposure										
MSM	96	45%	n/a	217	52%	n/a	46	21%	178	82%
PWID	20	9%	n/a	20	5%	n/a	9	45%	15	75%
MSM/PWID	20	9%	n/a	22	5%	n/a	6	27%	18	82%
Heterosexual	27	13%	n/a	44	10%	n/a	16	36%	38	86%
Blood/pediatric	0	0%	n/a	1	0%	n/a	--	--	--	--
NIR	52	24%	n/a	117	28%	n/a	42	36%	86	74%

Abbreviations: MSM = people assigned male at birth who have sex with men; PWID = people who inject drugs

n/a Rate cannot be calculated due to no available population estimate

-- Due to the small number of HIV cases, the count and percentage based on the count is not shown

^{NR} Not reliable, RSE ≥25

^a Definitions provided at the end of the report

^b Country of origin data are missing for approximately 11% and 25% of newly diagnosed cases among Black and LAT/HISP, respectively

STATISTICS: NEW HIV CASES (continued)

Table 2. New HIV Cases, including Late HIV Diagnoses and Linkage to Care, by County and Health District (HD) of Residence at HIV Diagnosis, WA State, 2022

County or Health District or Residence	New HIV Cases			Late HIV Diagnoses ^a		Linkage to HIV Care ^a	
	no.	column %	rate (per 100000)	no.	row %	no.	row %
Adams Co.	2	0%	9.5 ^{NR}	--	--	--	--
Asotin Co.	0	0%	0.0	0	0%	0	0%
Benton Co.	5	1%	2.4 ^{NR}	--	--	--	--
Benton-Franklin HD	0	0%	0.0	0	0%	0	0%
Chelan Co.	4	1%	5.0 ^{NR}	--	--	--	--
Chelan-Douglas HD	0	0%	0.0	0	0	0	0
Clallam Co.	0	0%	0.0	0	0	0	0
Clark Co.	26	6%	5.0	9	35%	21	81%
Columbia Co.	0	0%	0.0	0	0%	0	0%
Cowlitz Co.	3	1%	2.7 ^{NR}	--	--	--	--
Douglas Co.	1	0%	2.3 ^{NR}	--	--	--	--
Ferry Co.	1	0%	13.7 ^{NR}	--	--	--	--
Franklin Co.	5	1%	5.0 ^{NR}	--	--	--	--
Garfield Co.	0	0%	0.0	0	0%	0	0%
Grant Co.	6	1%	5.9 ^{NR}	--	--	--	--
Grays Harbor Co.	5	1%	6.5 ^{NR}	--	--	--	--
Island Co.	3	1%	3.4 ^{NR}	--	--	--	--
Jefferson Co.	1	0%	3.0 ^{NR}	--	--	--	--
King Co.	194	46%	8.4	54	28%	159	82%
Kitsap Co.	10	2%	3.6 ^{NR}	2	20%	9	90%
Kittitas Co.	1	0%	2.1 ^{NR}	--	--	--	--
Klickitat Co.	0	0%	0.0	0	0%	0	0%
Lewis Co.	3	1%	3.6 ^{NR}	--	--	--	--
Lincoln Co.	0	0%	0.0	0	0%	0	0%
Mason Co.	3	1%	4.5 ^{NR}	--	--	--	--
Ne Tri-County HD	0	0%	0.0	0	0%	0	0
Okanogan Co.	0	0%	0.0	0	0%	0	0%
Pacific Co.	0	0%	0.0	0	0%	0	0%
Pend Oreille Co.	0	0%	0.0	0	0%	0	0%
Pierce Co.	60	14%	6.4	18	30%	43	72%
San Juan Co.	0	0%	0.0	0	0%	0	0%
Skagit Co.	3	1%	2.3 ^{NR}	--	--	--	--
Skamania Co.	0	0%	0.0	0	0%	0	0%
Snohomish Co.	28	7%	3.3	6	21%	22	79%
Spokane Co.	29	7%	5.3	9	31%	28	97%
Stevens Co.	0	0%	0.0	0	0%	0	0%
Thurston Co.	9	2%	3.0 ^{NR}	--	--	--	--
Wahkiakum Co.	0	0%	0.0	0	0%	0	0%
Walla Walla Co.	1	0%	1.6 ^{NR}	--	--	--	--
Whatcom Co.	10	2%	4.3 ^{NR}	4	0.4	10	1
Whitman Co.	0	0%	0.0	0	0	0	0
Yakima Co.	8	2%	3.1 ^{NR}	--	--	--	--
Total	421	100%	5.4	119	28%	336	80%

-- Due to the small number of HIV cases, the count and percentage based on the count is not shown

^{NR} Not reliable, RSE ≥25

^a Definitions provided at the end of the report

STATISTICS: NEW HIV CASES (continued)

Table 3. New HIV Case Counts over Time, by Demographic and Risk Characteristics, WA State, 2018-2022

	2018	2019	2020	2021	2022	2018-2022			
	no.	no.	no.	no.	no.	total no.	avg. no.	%	rate (per 100000)
Total	398	404	358	408	421	1989	398	100%	5.2
Gender									
Cisgender Men	308	332	302	326	332	1600	320	80%	8.3
Cisgender Women	88	65	50	69	76	348	70	17%	1.8
Transgender Men	0	0	0	3	2	5	1	0%	n/a
Transgender Women	2	7	6	10	11	36	7	2%	n/a
Age at HIV Diagnosis									
<14	0	1	0	2	1	4	1	0%	0.1 ^{NR}
15-24	54	60	54	51	60	279	56	14%	5.8
25-34	137	162	124	145	149	717	143	36%	12.8
35-44	92	75	85	96	112	460	92	23%	8.9
45-54	66	64	47	72	60	309	62	16%	6.6
55-64	41	31	36	32	32	172	34	9%	3.5
65+	8	11	12	10	7	48	10	2%	0.8 ^{NR}
Race/ethnicity									
American Indian/Alaska Native	2	2	4	5	3	16	3	1%	3.5 ^{NR}
Asian	15	18	29	17	33	112	22	6%	3.1
Black	82	64	58	79	93	376	75	19%	25.2
Foreign-born ^a	44	30	22	31	42	169	34	8%	44.1
U.S.-born ^a	33	31	24	40	41	169	34	8%	15.4
Latinx or Hispanic (all races)	71	95	56	100	111	433	87	22%	8.0
Foreign-born ^a	30	52	20	43	52	197	39	10%	12.8
U.S.-born ^a	29	30	20	35	31	145	29	7%	4.0
Native Hawaiian or other Pacific Islander	4	3	4	7	9	27	5	1%	8.6 ^{NR}
White	198	197	189	177	155	916	183	46%	3.7
Multiracial	26	25	18	23	17	109	22	5%	4.5
Mode of Exposure									
MSM	198	240	224	219	217	1098	220	55%	n/a
PWID	44	41	14	24	20	143	29	7%	n/a
MSM/PWID	39	23	22	35	22	141	28	7%	n/a
Heterosexual	51	38	31	46	44	210	42	11%	n/a
Blood/pediatric	2	2	0	1	1	6	1	0%	n/a
NIR	64	60	67	83	117	391	78	20%	n/a

Abbreviations: MSM = people assigned male at birth who have sex with men; PWID = people who inject drugs
n/a Rate cannot be calculated due to no available population estimate

^{NR}Not reliable, RSE ≥25

^aCountry of origin data are missing for approximately 11% and 25% of newly diagnosed cases among Black and LAT/HISP, respectively

STATISTICS: NEW HIV CASES (continued)

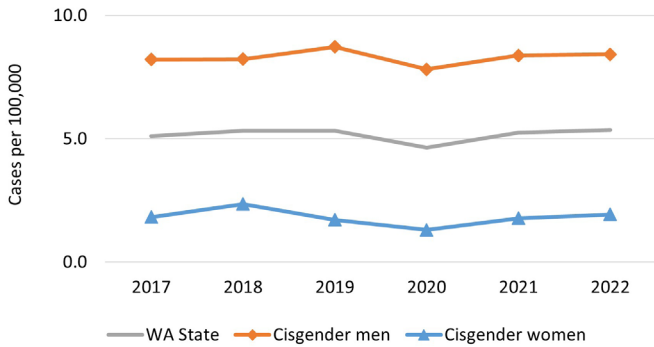
Table 4. New HIV Case Counts over Time, by County and Health District (HD) of Residence at HIV Diagnosis, WA State, 2018-2022

County and Health District of Residence	2018	2019	2020	2021	2022	2018-2022			
	no.	no.	no.	no.	no.	total no.	avg. no.	%	rate
Adams Co.	0	1	1	0	2	4	1	0%	3.9 ^{NR}
Asotin Co.	0	0	0	0	0	0	0	0%	0.0
Benton Co.	0	13	6	10	5	34	7	2%	3.3
Benton-Franklin HD	5	19	10	17	10	61	12	3%	4.0
Chelan Co.	3	2	1	5	4	15	3	1%	3.8 ^{NR}
Chelan-Douglas HD	4	4	3	5	5	21	4	1%	3.4
Clallam Co.	5	2	1	5	0	13	3	1%	3.4 ^{NR}
Clark Co.	21	28	22	26	26	123	25	6%	4.9
Columbia Co.	0	0	0	0	0	0	0	0%	0.0 ^{NR}
Cowlitz Co.	1	3	2	5	3	14	3	1%	2.5 ^{NR}
Douglas Co.	1	2	2	0	1	6	1	0%	2.8 ^{NR}
Ferry Co.	0	0	0	0	1	1	0	0%	2.8 ^{NR}
Franklin Co.	5	6	4	7	5	27	5	1%	5.6
Garfield Co.	0	0	0	0	0	0	0	0%	0.0
Grant Co.	4	2	3	1	6	16	3	1%	3.2 ^{NR}
Grays Harbor Co.	0	2	1	4	5	12	2	1%	3.2 ^{NR}
Island Co.	2	5	3	0	3	13	3	1%	3.0 ^{NR}
Jefferson Co.	1	0	0	0	1	2	0	0%	1.2 ^{NR}
King Co.	225	189	169	180	194	957	191	48%	8.5
Kitsap Co.	9	9	4	6	10	38	8	2%	2.8
Kittitas Co.	1	2	1	0	1	5	1	0%	2.2 ^{NR}
Klickitat Co.	0	0	1	0	0	1	0	0%	0.9 ^{NR}
Lewis Co.	1	2	1	4	3	11	2	1%	2.7 ^{NR}
Lincoln Co.	0	0	0	1	0	1	0	0%	1.8 ^{NR}
Mason Co.	5	5	4	2	3	19	4	1%	5.8
Ne Tri-County HD	0	1	2	1	1	5	1	0%	1.5 ^{NR}
Okanogan Co.	0	1	0	0	0	1	0	0%	0.5 ^{NR}
Pacific Co.	1	0	0	0	0	1	0	0%	0.9 ^{NR}
Pend Oreille Co.	0	1	0	0	0	1	0	0%	1.5 ^{NR}
Pierce Co.	49	52	51	59	60	271	54	14%	5.9
San Juan Co.	0	0	0	0	0	0	0	0%	0.0
Skagit Co.	3	3	5	2	3	16	3	1%	2.5 ^{NR}
Skamania Co.	0	0	0	0	0	0	0	0%	0.0
Snohomish Co.	20	29	23	32	28	132	26	7%	3.2
Spokane Co.	16	26	32	23	29	126	25	6%	4.7
Stevens Co.	0	0	2	1	0	3	1	0%	1.3 ^{NR}
Thurston Co.	8	6	8	17	9	48	10	2%	3.3
Wahkiakum Co.	0	0	0	0	0	0	0	0%	0.0
Walla Walla Co.	1	0	1	1	1	4	1	0%	1.3 ^{NR}
Whatcom Co.	3	5	3	3	10	24	5	1%	2.1
Whitman Co.	3	0	1	4	0	8	2	0%	3.4 ^{NR}
Yakima Co.	10	8	6	10	8	42	8	2%	3.3
Total	398	404	358	408	421	1989	398	100%	5.2

^{NR} Not reliable, RSE ≥25

STATISTICS: NEW HIV CASES (continued)

Figure 2. New HIV Case Rates by Gender,* WA State, 2017-2022



*Rates for transgender populations not available due to small case counts

Figure 3. New HIV Case Rates by Age at Diagnosis, WA State, 2017-2022

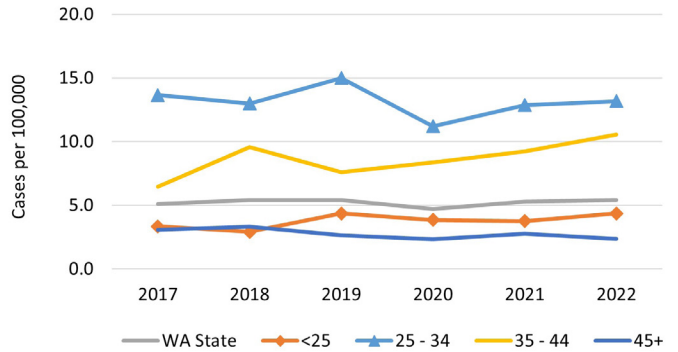


Figure 4. New HIV Case Rates among Black Persons by Nativity, WA State, 2017-2022

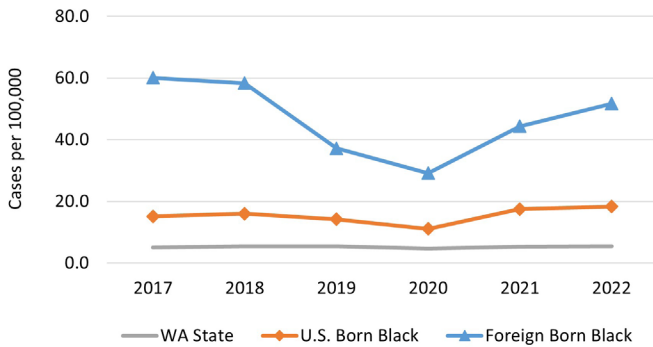


Figure 5. New HIV Case Rates among Latina/o/x and Hispanic (LAT/HISP) Persons by Nativity, WA State, 2017-2022

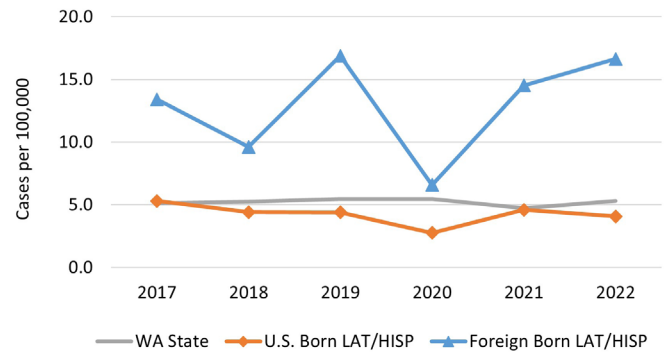
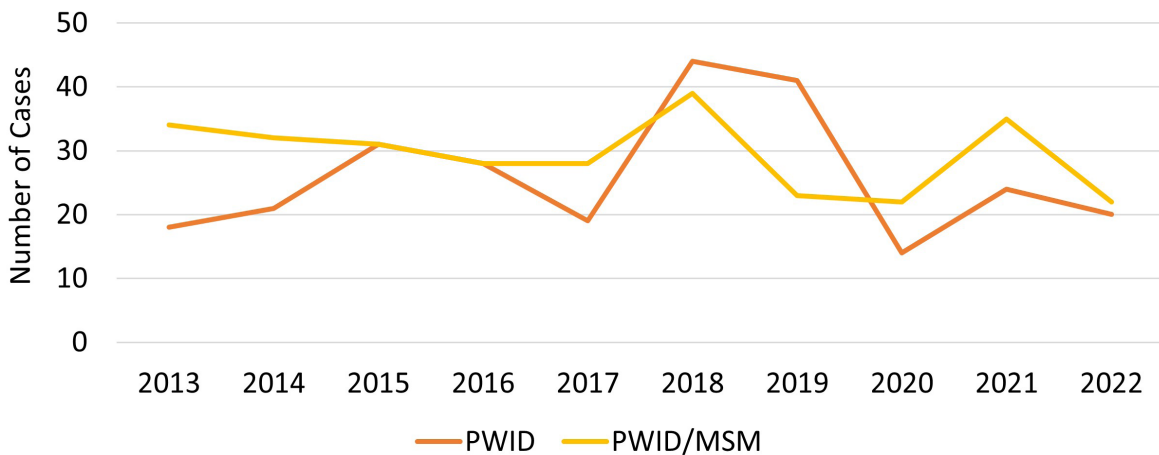


Figure 6. New HIV Case Counts among Persons who Inject Drugs (PWID) and PWID/MSM, WA State, 2013-2022



STATISTICS: NEW HIV CASES (continued)

Table 5. New Cases of HIV Infection, by Current Gender*, Race/Ethnicity, and HIV Exposure Category, WA State, 2018-2022

Gender	Exposure Category	Asian		Black		Latinx or Hispanic (all races)		Another racial identity ^a		White		
		No.	%	No.	%	No.	%	No.	%	No.	%	
		Cisgender men	MSM	67	75%	129	58%	298	77%	83	70%	492
	PWID	1	1%	7	3%	7	2%	4	3%	66	8%	
	MSM and PWID	0	0%	8	4%	12	3%	14	12%	103	13%	
	Heterosexual Contact	0	0%	12	5%	10	3%	1	1%	15	2%	
	Blood/Pediatric	0	0%	1	0%	0	0%	0	0%	0	0%	
	NIR	21	24%	64	29%	59	15%	17	14%	109	14%	
	Total	89	100%	221	100%	386	100%	119	100%	785	100%	
Cisgender women	PWID	0	0%	4	3%	3	9%	7	27%	43	35%	
	Heterosexual Contact	12	67%	78	53%	20	63%	11	42%	47	38%	
	Blood/Pediatric	0	0%	4	3%	0	0%	0	0%	1	1%	
	NIR	6	33%	62	42%	9	28%	8	31%	33	27%	
	Total	18	100%	148	100%	32	100%	26	100%	124	100%	
Transgender women	Total		No.	%	No.	%	No.	%	No.	%	No.	%
	Sex with men	29	81%	-	-	-	-	-	-	-	-	
	PWID	1	3%	-	-	-	-	-	-	-	-	
	Sex with men and PWID	4	11%	-	-	-	-	-	-	-	-	
	Heterosexual Contact	1	3%	-	-	-	-	-	-	-	-	
	NIR	1	3%	-	-	-	-	-	-	-	-	
	Total	36	100%	-	-	-	-	-	-	-	-	

Abbreviations: MSM, people assigned male at birth who have sex with men; PWID, people who inject drugs
 * Due to the small number of HIV cases reported as transgender men, they were not included in this table
^a American Indian or Alaska Native, Native Hawaiian or Other Pacific Islander, and Multiracial race categories were combined due to small case counts

Figure 7. New HIV Case Rates, WA State, 2013-2022

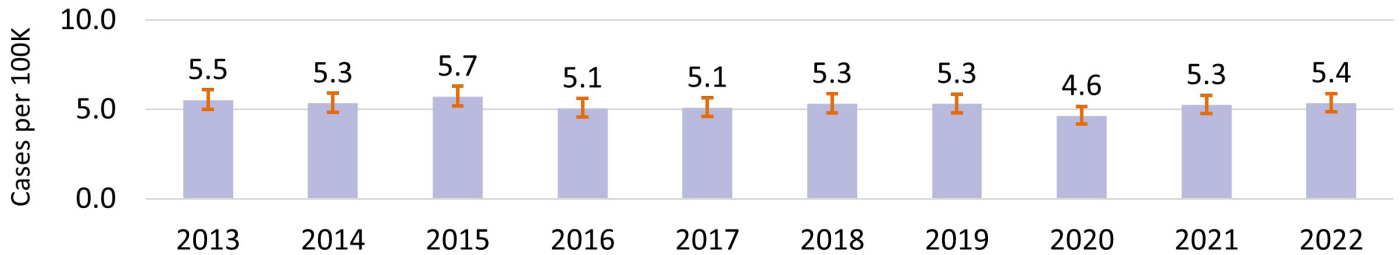
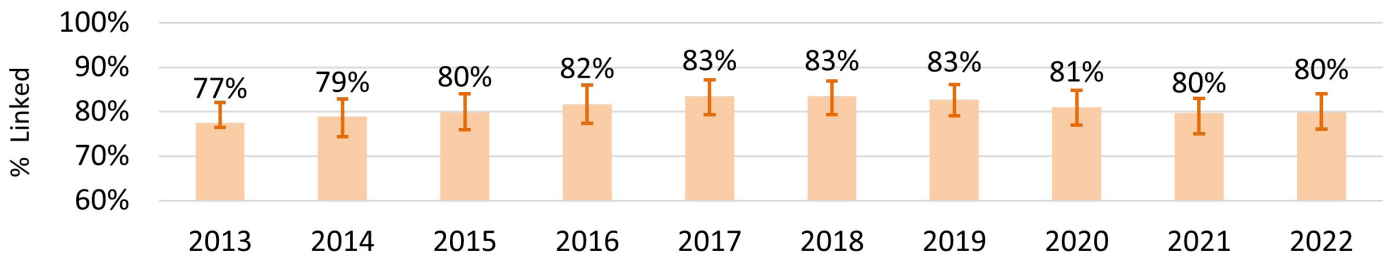


Figure 8. Linkage to Care among New HIV Cases, WA State, 2013-2022



STATISTICS: PREVALENT HIV CASES

Table 6. Prevalent Cases of HIV, Including Engagement in Care and Viral Load Suppression, by Demographic and Risk Characteristics, WA State, 2022

	Prevalent Cases of HIV			Engaged in Care ^a		Suppressed Viral Load ^a	
	no.	column %	rate (per 100000)	no.	row %	no.	row %
Total	14873	100%	189.1	12803	86%	11711	79%
Gender							
Cisgender Men	12336	83%	313.0	10615	86%	9720	79%
Cisgender Women	2341	16%	59.7	2015	86%	1837	78%
Transgender Men	20	0%	n/a	17	85%	17	85%
Transgender Women	176	1%	n/a	156	89%	137	78%
Current Age							
<14	31	0%	2.2	28	90%	28	90%
15-24	278	2%	28.6	239	86%	193	69%
25-34	1955	13%	171.4	1604	82%	1399	72%
35-44	3063	21%	282.3	2540	83%	2247	73%
45-54	3530	24%	375.5	3043	86%	2784	79%
55-64	4064	27%	418.5	3583	88%	3379	83%
65+	1952	13%	144.9	1766	90%	1681	86%
Race/ethnicity							
American Indian/Alaska Native	123	1%	132.7	107	87%	97	79%
Asian	598	4%	75.9	524	88%	501	84%
Black	2627	18%	820.5	2222	85%	2006	76%
Foreign-born ^b	1210	8%	1490.1	1067	88%	1010	83%
U.S.-born ^b	1299	9%	580.0	1063	82%	913	70%
Latinx or Hispanic (all races)	2503	17%	219.6	2147	86%	1954	78%
Foreign-born ^b	1256	8%	401.7	1079	86%	1012	81%
U.S.-born ^b	1030	7%	134.9	892	87%	784	76%
Native Hawaiian or other Pacific Islander	76	1%	112.3	62	82%	51	67%
White	7979	54%	161.2	6905	87%	6344	80%
Multiracial	964	6%	190.6	833	86%	755	78%
Mode of Exposure							
MSM	9149	62%	n/a	7981	87%	7404	81%
PWID	819	6%	n/a	664	81%	560	68%
MSM/PWID	1265	9%	n/a	1081	85%	933	74%
Heterosexual	1820	12%	n/a	1562	86%	1450	80%
Blood/pediatric	215	1%	n/a	186	87%	167	78%
NIR	1605	11%	n/a	1329	83%	1197	75%

Abbreviations: MSM = people assigned male at birth who have sex with men; PWID = people who inject drugs
n/a Rate cannot be calculated due to no available population estimate

^a Definitions provided at the end of the report

^b Country of origin data are missing for approximately 4% and 9% of living cases among Black and LAT/HISP, respectively

STATISTICS: PREVALENT HIV CASES (continued)

Table 7. Prevalent Cases of HIV, including Engagement in Care and Viral Load Suppression, by County and Health District (HD) of Current Residence, WA State, 2022

County or Health District of Residence	Prevalent Cases of HIV			Engaged in Care ^a		Suppressed Viral Load ^a	
	no.	column %	rate (per	no.	row %	no.	row %
			100000)				
Adams Co.	17	0%	80.6	12	71%	11	65%
Asotin Co.	20	0%	88.5	15	75%	15	75%
Benton Co.	202	1%	95.1	171	85%	152	75%
Benton-Franklin HD	305	2%	97.7	255	84%	222	73%
Chelan Co.	80	1%	99.2	56	70%	52	65%
Chelan-Douglas HD	105	1%	84.2	76	72%	71	68%
Clallam Co.	87	1%	112.1	77	89%	74	85%
Clark Co.	895	6%	171.8	687	77%	635	71%
Columbia Co.	2	0%	50.6 ^{NR}	--	--	--	--
Cowlitz Co.	158	1%	140.6	128	81%	110	70%
Douglas Co.	25	0%	56.8	20	80%	19	76%
Ferry Co.	5	0%	68.5 ^{NR}	--	--	--	--
Franklin Co.	103	1%	103.3	84	82%	70	68%
Garfield Co.	0	0%	0.0	0	0%	0	0%
Grant Co.	68	0%	66.8	57	84%	51	75%
Grays Harbor Co.	103	1%	134.8	85	83%	76	74%
Island Co.	110	1%	125.4	85	77%	77	70%
Jefferson Co.	57	0%	170.9	51	89%	48	84%
King Co.	7302	49%	315.1	6484	89%	5939	81%
Kitsap Co.	384	3%	136.7	331	86%	307	80%
Kittitas Co.	38	0%	80.5	30	79%	28	74%
Klickitat Co.	22	0%	95.0	19	86%	17	77%
Lewis Co.	72	0%	86.3	57	79%	52	72%
Lincoln Co.	10	0%	90.5 ^{NR}	9	90%	8	80%
Mason Co.	80	1%	120.8	64	80%	58	73%
Ne Tri-County HD	42	0%	61.8	31	74%	30	71%
Okanogan Co.	27	0%	63.2	22	81%	21	78%
Pacific Co.	41	0%	173.7	34	83%	33	80%
Pend Oreille Co.	14	0%	102.8 ^{NR}	10	71%	10	71%
Pierce Co.	1694	11%	180.7	1385	82%	1239	73%
San Juan Co.	21	0%	115.7	19	90%	19	90%
Skagit Co.	97	1%	73.9	83	86%	79	81%
Skamania Co.	7	0%	58.8 ^{NR}	--	--	--	--
Snohomish Co.	1280	9%	151.1	1104	86%	1046	82%
Spokane Co.	828	6%	150.4	714	86%	624	75%
Stevens Co.	23	0%	48.9	17	74%	17	74%
Thurston Co.	365	2%	121.5	313	86%	287	79%
Wahkiakum Co.	5	0%	110.5 ^{NR}	--	--	--	--
Walla Walla Co.	54	0%	86.2	47	87%	43	80%
Whatcom Co.	269	2%	116.1	236	88%	216	80%
Whitman Co.	35	0%	73.2	30	86%	29	83%
Yakima Co.	273	2%	105.0	252	92%	235	86%
Total	14873	100%	189.1	12803	86%	11711	79%

-- Due to the small number of HIV cases the count and percentage based on the count is not shown

^{NR} Not reliable, RSE ≥25

^a Definitions provided at the end of the report

STATISTICS: PREVALENT HIV CASES (continued)

Table 8. People Living with HIV, by Current Gender*, Race or Ethnicity, and HIV Transmission Category, WA State, 2022

Gender	Transmission Category	Asian		Black		Latinx or Hispanic (all races)		Another racial identity ^a		White	
		No.	%	No.	%	No.	%	No.	%	No.	%
Cisgender Men	MSM	358	74%	872	55%	1,669	77%	673	70%	5,440	76%
	PWID	7	1%	70	4%	51	2%	42	4%	317	4%
	MSM and PWID	15	3%	89	6%	156	7%	131	14%	839	12%
	Heterosexual Sexual Contact	11	2%	172	11%	76	4%	34	4%	122	2%
	Transfusion/Transplant/Perinatal	4	1%	44	3%	12	1%	6	1%	41	1%
	No Identified Risk	92	19%	346	22%	197	9%	70	7%	377	5%
Total		487	100%	1,593	100%	2,161	100%	956	100%	7,136	100%
Cisgender Women	PWID	2	2%	35	3%	28	10%	43	24%	218	28%
	Heterosexual Sexual Contact	70	71%	586	58%	192	70%	104	58%	445	57%
	Transfusion/Transplant/Perinatal	3	3%	64	6%	10	4%	5	3%	25	3%
	No Identified Risk	24	24%	320	32%	46	17%	26	15%	95	12%
Total		99	100%	1,005	100%	276	100%	178	100%	783	100%
Transgender Women	Male Sex Partner	10	91%	24	89%	46	74%	20	77%	33	66%
	PWID	0	0%	0	0%	1	2%	0	0%	1	2%
	Male Sex Partner and PWID	0	0%	3	11%	12	19%	6	23%	14	28%
	Heterosexual Sexual Contact	1	9%	0	0%	1	2%	0	0%	0	0%
	No Identified Risk	0	0%	0	0%	2	3%	0	0%	2	4%
Total		11	100%	27	100%	62	100%	26	100%	50	100%

Abbreviations: MSM, people assigned male at birth who have sex with men; PWID, people who inject drugs
^aAmerican Indian or Alaska Native, Native Hawaiian or Other Pacific Islander, and Multiracial race categories were combined due to small case counts
 * Due to the small number of HIV cases reported as transgender men, they were not included in this table

Figure 9. Living HIV Case Rates, WA State, 2013-2022

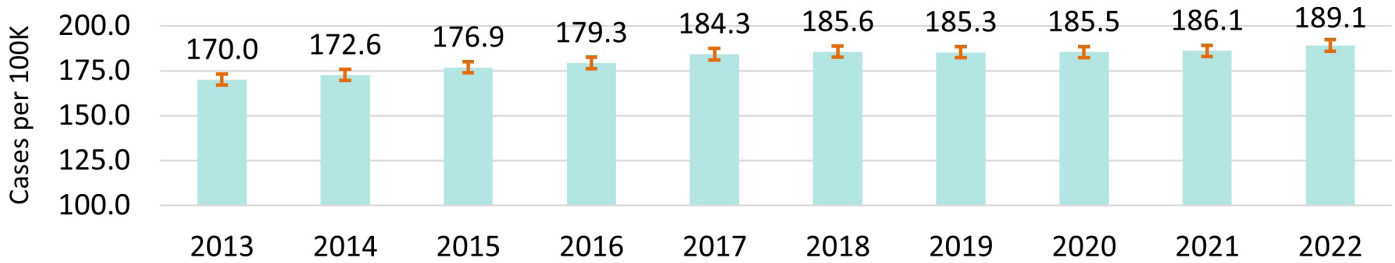
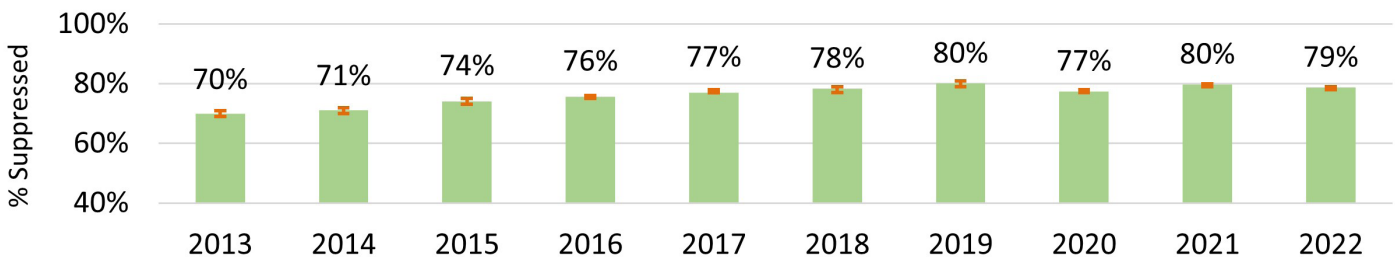


Figure 10. Virologic Suppression among Living HIV Cases, WA State, 2013-2022



STATISTICS: PREVALENT HIV CASES (continued)

Table 9. Prevalent Cases of HIV, by Demographic and Risk Characteristics, WA State, 2018-2022

Total	2018		2019		2020		2021		2022	
	no.	col %	no.	col %	no.	col %	no.	col %	no.	col %
	13866	100%	14075	100%	14294	100%	14457	100%	14873	100%
Gender										
Cisgender Men	11625	84%	11766	84%	11946	84%	12033	83%	12336	83%
Cisgender Women	2102	15%	2171	15%	2200	15%	2249	16%	2341	16%
Transgender Men	13	0%	12	0%	15	0%	18	0%	20	0%
Transgender Women	126	1%	126	1%	133	1%	157	1%	176	1%
Age at HIV Diagnosis										
<14	54	0%	48	0%	40	0%	35	0%	31	0%
15-24	295	2%	304	2%	289	2%	269	2%	278	2%
25-34	1866	13%	1891	13%	1949	14%	1932	13%	1955	13%
35-44	2805	20%	2787	20%	2845	20%	2878	20%	3063	21%
45-54	4123	30%	3937	28%	3740	26%	3625	25%	3530	24%
55-64	3488	25%	3730	27%	3896	27%	3988	28%	4064	27%
65+	1235	9%	1378	10%	1535	11%	1730	12%	1952	13%
Race/ethnicity										
American Indian/Alaska Native	121	1%	125	1%	117	1%	122	1%	123	1%
Asian	453	3%	483	3%	523	4%	546	4%	598	4%
Black	2286	16%	2371	17%	2439	17%	2501	17%	2627	18%
Foreign-born ^a	988	7%	1046	7%	1083	8%	1134	8%	1210	8%
U.S.-born ^a	1214	9%	1229	9%	1245	9%	1254	9%	1299	9%
Latinx or Hispanic (all races)	2102	15%	2188	16%	2253	16%	2325	16%	2503	17%
Foreign-born ^a	1001	7%	1069	8%	1100	8%	1147	8%	1256	8%
U.S.-born ^a	953	7%	956	7%	975	7%	984	7%	1030	7%
Native Hawaiian or other Pacific Islander	58	0%	58	0%	60	0%	66	0%	76	1%
White	7856	57%	7850	56%	7918	55%	7918	55%	7979	54%
Multiracial	987	7%	997	7%	981	7%	976	7%	964	6%
Mode of Exposure										
MSM	8506	61%	8663	62%	8811	62%	8915	62%	9149	62%
PWID	816	6%	828	6%	814	6%	807	6%	819	6%
MSM/PWID	1352	10%	1301	9%	1301	9%	1285	9%	1265	9%
Heterosexual	1717	12%	1745	12%	1771	12%	1784	12%	1820	12%
Blood/pediatric	195	1%	202	1%	198	1%	199	1%	215	1%
NIR	1280	9%	1336	9%	1399	10%	1467	10%	1605	11%

Abbreviations: MSM, people assigned male at birth who have sex with men; PWID, people who inject drugs

^a Country of origin data are missing for : 4-5% and 7-9% of living cases among Black and LAT/HISP, respectively

STATISTICS: PREVALENT HIV CASES (continued)

Table 10. Prevalent Cases of HIV, by County and Health District (HD) of Residence, WA State, 2018-2022

County and Health District of Residence	2018		2019		2020		2021		2022	
	no.	col %	no.	col %	no.	col %	no.	col %	no.	col %
Adams Co.	13	0%	14	0%	13	0%	13	0%	17	0%
Asotin Co.	23	0%	19	0%	18	0%	20	0%	20	0%
Benton Co.	185	1%	200	1%	206	1%	205	1%	202	1%
Benton-Franklin HD	271	2%	282	2%	295	2%	300	2%	305	2%
Chelan Co.	57	0%	62	0%	64	0%	77	1%	80	1%
Chelan-Douglas HD	73	1%	81	1%	92	1%	99	1%	105	1%
Clallam Co.	81	1%	86	1%	84	1%	83	1%	87	1%
Clark Co.	777	6%	813	6%	875	6%	861	6%	895	6%
Columbia Co.	4	0%	3	0%	3	0%	3	0%	2	0%
Cowlitz Co.	155	1%	152	1%	156	1%	160	1%	158	1%
Douglas Co.	16	0%	19	0%	28	0%	22	0%	25	0%
Ferry Co.	6	0%	6	0%	4	0%	3	0%	5	0%
Franklin Co.	86	1%	82	1%	89	1%	95	1%	103	1%
Garfield Co.	3	0%	2	0%	2	0%	0	0%	0	0%
Grant Co.	45	0%	52	0%	59	0%	59	0%	68	0%
Grays Harbor Co.	99	1%	96	1%	104	1%	108	1%	103	1%
Island Co.	104	1%	108	1%	113	1%	107	1%	110	1%
Jefferson Co.	53	0%	48	0%	49	0%	48	0%	57	0%
King Co.	7044	51%	7072	50%	7102	50%	7161	50%	7302	49%
Kitsap Co.	332	2%	354	3%	359	3%	363	3%	384	3%
Kittitas Co.	29	0%	33	0%	33	0%	36	0%	38	0%
Klickitat Co.	17	0%	19	0%	21	0%	24	0%	22	0%
Lewis Co.	71	1%	70	0%	68	0%	75	1%	72	0%
Lincoln Co.	5	0%	7	0%	6	0%	12	0%	10	0%
Mason Co.	71	1%	71	1%	77	1%	79	1%	80	1%
Ne Tri-County HD	47	0%	47	0%	42	0%	42	0%	42	0%
Okanogan Co.	28	0%	28	0%	27	0%	28	0%	27	0%
Pacific Co.	29	0%	33	0%	35	0%	38	0%	41	0%
Pend Oreille Co.	12	0%	14	0%	13	0%	12	0%	14	0%
Pierce Co.	1566	11%	1588	11%	1617	11%	1625	11%	1694	11%
San Juan Co.	24	0%	24	0%	23	0%	21	0%	21	0%
Skagit Co.	97	1%	96	1%	97	1%	100	1%	97	1%
Skamania Co.	6	0%	5	0%	5	0%	6	0%	7	0%
Snohomish Co.	1165	8%	1219	9%	1242	9%	1235	9%	1280	9%
Spokane Co.	688	5%	698	5%	737	5%	788	5%	828	6%
Stevens Co.	29	0%	27	0%	25	0%	27	0%	23	0%
Thurston Co.	345	2%	346	2%	340	2%	350	2%	365	2%
Wahkiakum Co.	6	0%	4	0%	4	0%	5	0%	5	0%
Walla Walla Co.	60	0%	56	0%	56	0%	55	0%	54	0%
Whatcom Co.	251	2%	257	2%	257	2%	257	2%	269	2%
Whitman Co.	28	0%	31	0%	28	0%	30	0%	35	0%
Yakima Co.	256	2%	260	2%	255	2%	266	2%	273	2%
Total	13866	100%	14075	100%	14294	100%	14457	100%	14873	100%

STATISTICS: AMERICAN INDIAN/ALASKA NATIVE SPOTLIGHT

Demographic and care outcomes for people who identify as American Indian/Alaska Native (AI/AN) alone or with another race category are highlighted in the table below. This population has historically been underrepresented, as the majority of people who identify as AI/AN also have one or more other races indicated and therefore are placed in the multi-race category. Better reporting on AI/AN HIV data is important in order to address disparities in the rate of new diagnoses and care outcomes, and to ensure adequate prevention and treatment services and resources are available.

Table 11. Characteristics and Care Outcomes of People Living with HIV Reporting Any American Indian or Alaska Native Race, 2018-2022

	New HIV Cases		Prevalent HIV Cases, 2022	
	no.	column %	no.	column %
Total	55	3% ^a	555	4% ^a
Gender				
Cisgender Men	34	62%	439	79%
Cisgender Women	19	35%	100	18%
Transgender Men	0	0%	2	0%
Transgender Women	2	4%	14	3%
Mode of Exposure				
MSM	23	42%	313	56%
PWID	9	16%	59	11%
MSM/PWID	7	13%	74	13%
Heterosexual	7	13%	65	12%
NIR/Other	9	16%	44	8%
Geography				
King County	27	49%	260	47%
Other Western Washington	19	35%	219	39%
Eastern Washington	9	16%	76	14%
Care Metrics				
Linkage to HIV Care ^b	44	80%	N/A	N/A
Engaged in Care ^b	N/A	N/A	489	88%
Viral Suppression ^b	N/A	N/A	443	80%

Abbreviations: MSM, people assigned male at birth who have sex with men; NIR, no identified risk; PWID, people who inject drugs

^a Percentage of total Washington Cases

^b Definitions provided at the end of the report

STATISTICS: MORTALITY

Table 12. Deaths among Cases of HIV Infection, by Demographic and Risk Characteristics, WA State, 1983-2021

	2021					1983-2021	
	no.	column %	Mortality rate (per 100,000)	case fatality rate (per 1,000) ^a	standard mortality ratio ^a	no.	column %
Total	224	100%	2.9	15.5	1.7	8989	100%
Gender							
Cisgender Men	197	88%	5.1	16.4	1.7	0	0%
Cisgender Women	27	12%	0.7	12.0	1.4	821	9%
Transgender Men	0	0%	n/a	0.0	n/a	0	0%
Transgender Women	0	0%	n/a	0.0	n/a	22	0%
Current Age							
<14	0	0%	0.0	0.0	0.0	26	0%
15-24	1	0%	0.1 ^{NR}	3.7 ^{NR}	4.4	97	1%
25-34	12	5%	1.1 ^{NR}	6.2 ^{NR}	4.3	1766	20%
35-44	24	11%	2.3	8.3	3.7	3099	34%
45-54	51	23%	5.4	14.1	3.3	2180	24%
55-64	80	36%	8.2	20.1	2.1	1210	13%
65+	56	25%	4.3	32.4	0.8	611	7%
Race/ethnicity							
American Indian/Alaska Native	1	0%	1.1 ^{NR}	8.2 ^{NR}	n/a	142	2%
Asian	5	2%	0.7 ^{NR}	9.2 ^{NR}	n/a	103	1%
Black	35	16%	11.4	14.0	n/a	886	10%
Foreign-born ^b	5	2%	7.2 ^{NR}	4.4 ^{NR}	n/a	92	1%
U.S.-born ^b	29	13%	12.7	23.1	n/a	777	9%
Latinx or Hispanic (all races)	25	11%	2.3	10.8	n/a	622	7%
Foreign-born ^b	11	5%	3.7 ^{NR}	9.6 ^{NR}	n/a	214	2%
U.S.-born ^b	12	5%	1.6 ^{NR}	12.2 ^{NR}	n/a	373	4%
Native Hawaiian or other Pacific Islander	2	1%	3.1 ^{NR}	30.3 ^{NR}	n/a	23	0%
White	134	60%	2.7	16.9	n/a	6864	76%
Multiracial	22	10%	4.4	22.5	n/a	348	4%
Mode of Exposure							
MSM	108	48%	n/a	12.1	n/a	5652	63%
PWID	34	15%	n/a	42.1	n/a	1028	11%
MSM/PWID	36	16%	n/a	28.0	n/a	1024	11%
Heterosexual	21	9%	n/a	11.8	n/a	550	6%
Blood/pediatric	1	0%	n/a	5.0	n/a	189	2%
NIR	24	11%	n/a	16.4	n/a	546	6%

Abbreviations: MSM, people assigned male at birth who have sex with men; NIR, no identified risk; PWID, people who inject drugs
n/a Rate cannot be calculated due to no available population estimate

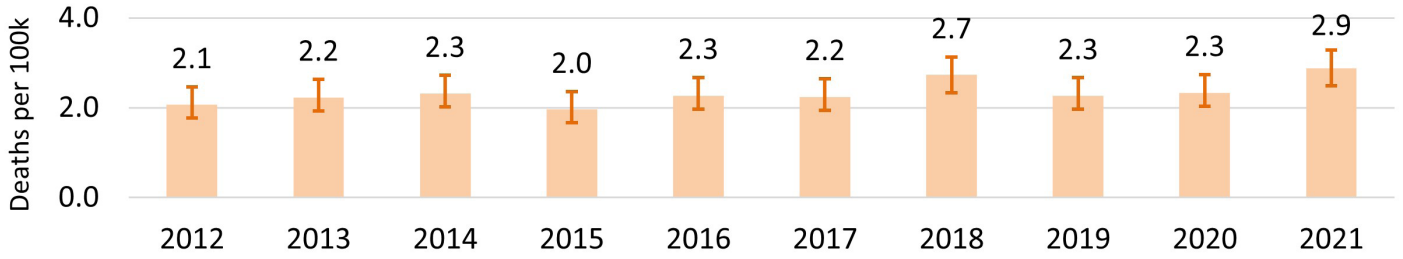
^{NR} Not reliable, RSE ≥25

^a Definitions provided at the end of the report

^b Country of origin data are missing for approximately 4% and 9% of living cases among Black and LAT/HISP, respectively

STATISTICS: MORTALITY (continued)

Figure 11. Age-Adjusted HIV Death Rates, WA State, 2012-2021



STATISTICS: HIV CARE CONTINUA

Figure 12. HIV Care Continuum, WA State, 2022

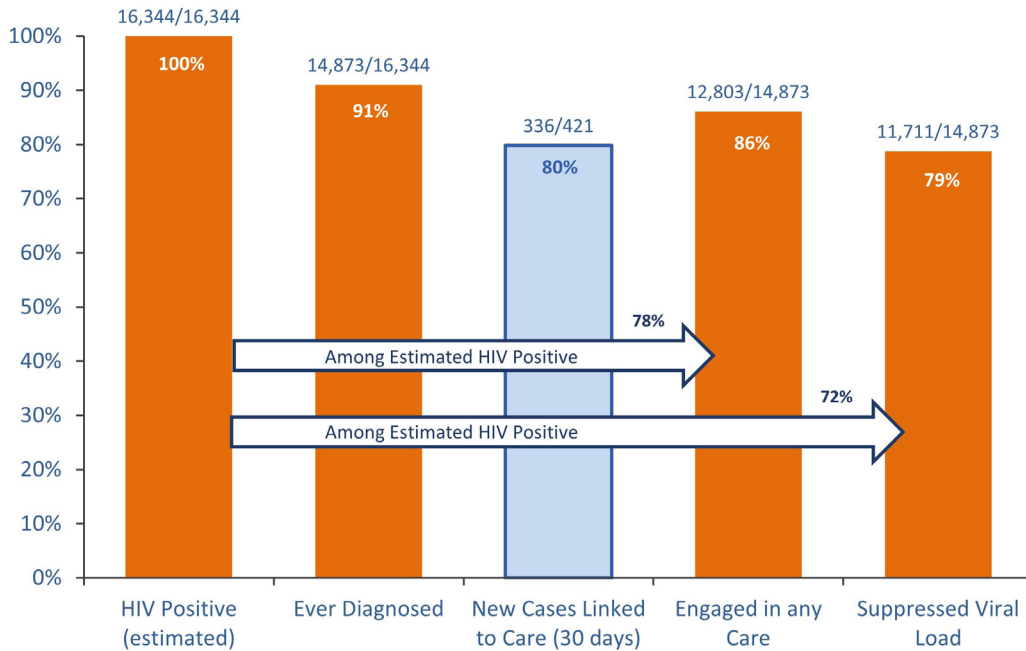
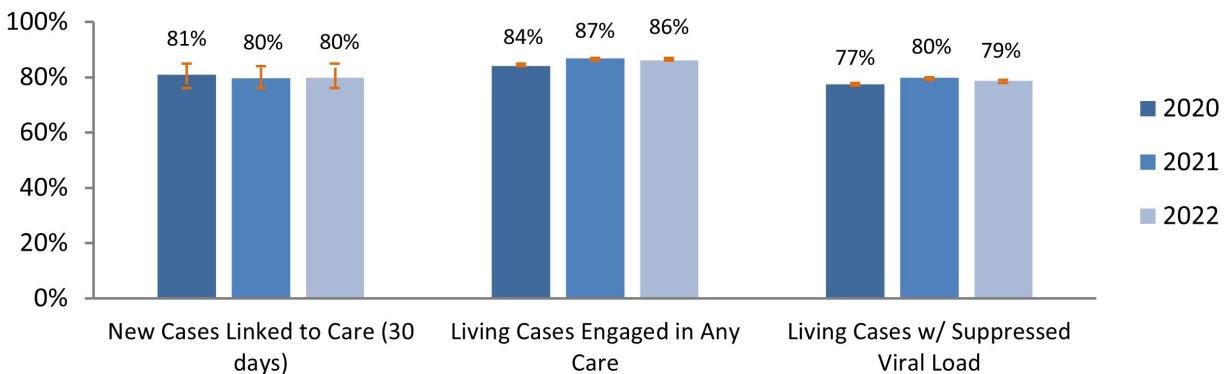


Figure 13. HIV Care Outcomes over Time, WA State, 2020-2022



STATISTICS: HIV CARE CONTINUA FOR END AIDS WASHINGTON PRIORITY POPULATIONS, WA state, 2020-2022

Figure 14. Transgender Women

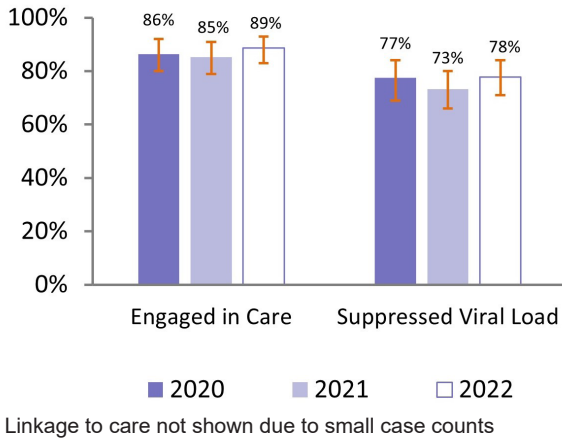


Figure 15. Young Adults (Ages 18-29)

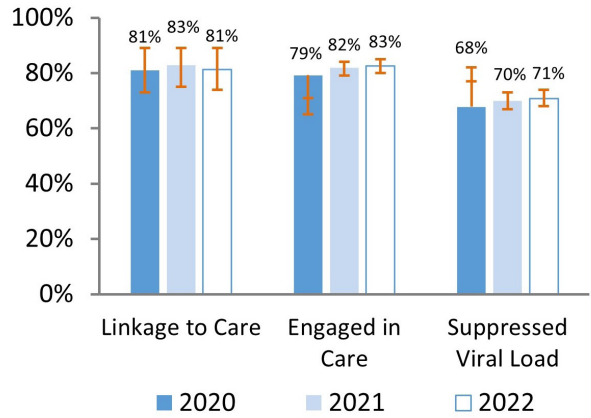
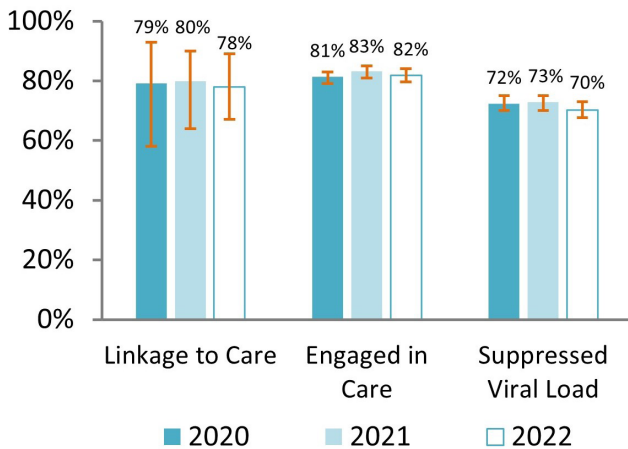
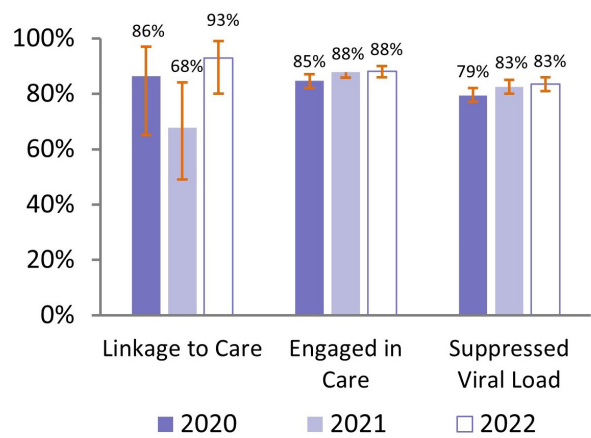


Figure 16. U.S.-Born* Black



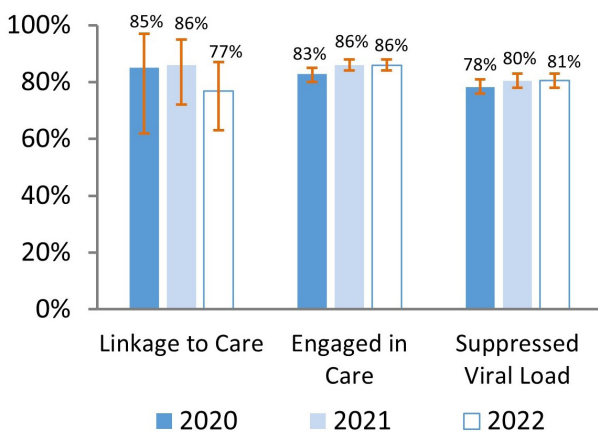
*Country of origin data are missing for approximately 9% of cases

Figure 17. Foreign-Born* Black



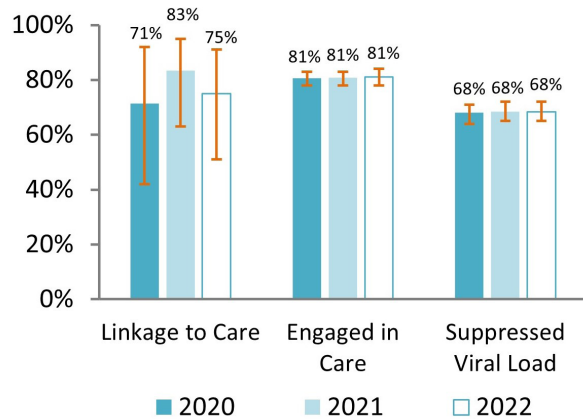
*Country of origin data are missing for approximately 9% of cases

Figure 18. Foreign-Born* Latina/o/x and Hispanic Persons



*Country of origin data are missing for approximately 4% of cases

Figure 19. Persons who Inject Drugs



DEFINITIONS

AIDS: Acquired Immune Deficiency Syndrome. An advanced stage of HIV disease which is defined by the existence of certain opportunistic illnesses or other clinical outcomes. The presence of AIDS often suggests that a person has been HIV-positive for many years.

Age-Adjusted Death Rate: Age-adjustment is a statistical procedure which allows rates from different communities to be compared in way that controls for differences between each population's age structure. In this report, the age-adjusted rate of all-cause deaths per 100,000 people living with HIV is compared to the rate of all-cause deaths per 100,000 Washington State residents.

Blood Exposure: A mode of HIV exposure which involves the transfusion of human blood (or blood products) or the transplantation of human tissue.

Case: A person with HIV who has been diagnosed and reported to the health department while living in Washington. This report does not include the results of anonymous HIV testing.

Case Fatality Rate: The rate of HIV/AIDS related deaths per 1,000 people living with HIV within a calendar year.

CD4 Count: The concentration of a certain type of white blood cell circulating within a person's bloodstream. CD4 count (cells/ μ L) provides a good indication of a patient's stage of HIV disease.

Confidence Interval (CI): A range of values within which the true value is likely to exist based on a specified probability. In this report, we use 95% confidence intervals to describe the reliability of case rates. Error bars on figures display the confidence interval.

Engaged in Care: The proportion of prevalent cases who have a CD4 test or viral load test within the calendar year of interest. HIV-related laboratory tests are indicative of an HIV-related medical visit. This is a key performance measure within the HIV care continuum.

HIV: Human Immunodeficiency Virus. The virus that causes HIV disease, including AIDS. HIV weakens a person's immune system by destroying T cells that fight disease and prevent infection.

HIV Care Continuum: A model that outlines the sequential stages of HIV medical care experienced by persons living with HIV, from diagnosis to virologic suppression. Also referred to as the HIV treatment cascade.

HIV Deaths: Deaths among resident, diagnosed cases of HIV. Reported death data has a one year lag due to the availability of sources of death data collected.

HIV Diagnosis Date: The earliest documented confirmed date when a person was diagnosed with HIV, with or without AIDS.

HIV Incidence: In Washington State, incident cases are defined as persons whose first HIV-indicated laboratory result or first diagnosis by a healthcare provider occurred while living in Washington. Cases with a self-reported positive test more than 6 months prior to the diagnosis date recorded by the Department of Health are not considered incident cases. Also referred to as **New HIV Case** in this report.

HIV Prevalence: A measure of disease frequency describing the number of persons living with HIV within a calendar year. Since not all persons living with HIV have been diagnosed or reported, we can only estimate HIV prevalence.

HIV Surveillance: The ongoing and systematic collection, evaluation, and dissemination of population-based information about people diagnosed and living with HIV and AIDS.

Injection Drug Use (IDU): The behavior of using needles, syringes, and other drug injection equipment to take drugs, usually without a prescription. The sharing of drug injection equipment is a common mode of HIV exposure.

Late HIV Diagnosis: An event in which a case is diagnosed with AIDS within 12 months of HIV diagnosis. A late HIV diagnosis suggests that a person has been infected for many years and was not routinely screened for HIV prior to diagnosis.

Linkage to Care: The proportion of new HIV cases who have a CD4 test or viral load test within 30 days from their date of HIV diagnosis. HIV-related laboratory tests are indicative of an HIV-related medical visit. This is a key performance measure within the HIV care continuum.

DEFINITIONS (continued)

Men Having Sex with Men (MSM): In this report, refers to men who report any history of man-man sex since 1977. Condomless anal intercourse between men is the most common mode of HIV exposure in the U.S.

Mode of Exposure: The manner in which a case was most likely to have been infected by HIV, based on reported HIV risk behaviors. A case can only be attributed to one mode of exposure, although re-categorization is possible as new information becomes available.

Mortality Rate: The rate of all-cause deaths among people living with HIV per 100,000 within a calendar year.

Pediatric Exposure: A mode of HIV exposure which involve children ages 12 and under. These cases are often the result of mother-to-child (or perinatal) transmission.

Person Who Injects Drugs (PWID): In this report, describes cases reporting any history of injection drug use (IDU) since 1977.

Prevalent HIV Case: A resident, diagnosed case of HIV within a specified time period. Prevalent cases can include persons who were originally diagnosed while living outside Washington state. Residency is based on vital status and address information collected and stored within the state's HIV surveillance registry. Also referred to as 'Ever Diagnosed' or 'people living with HIV.'

Relative Standard Error (RSE): RSE provides a measure of reliability for statistical estimates. When the RSE is large the estimate is imprecise and considered unreliable.

Standardized Mortality Ratio: The ratio between the observed number of deaths among people living with HIV to the expected number of deaths in the Washington State population.

Transgender: Refers to a person whose gender identity is not the same as their assigned sex at birth. Transgender women who have sex with men have higher risk for HIV infection compared to cisgender women.

Viral Load: This is the concentration of viral copies circulating within a person's blood plasma. Reducing viral load improves patient health and reduces their ability to infect others. Viral load can be reduced by HIV medication, and is a good indication of whether a person is receiving optimal HIV medical care.

Virologic Suppression: The reduction of a person's HIV viral load to ≤ 200 copies/mL. The proportion of living HIV cases who have achieved virologic suppression is a key performance measure within the HIV care continuum. Sometimes described as 'viral load suppression' or 'viral suppression.'

ACKNOWLEDGEMENTS AND CONTACT INFORMATION

Our thanks to the health providers who care for people with HIV/AIDS, to our local health jurisdiction partners, and to the medical laboratories - all of whom work diligently to ensure the timely and complete reporting of cases. These data are used to support the allocation of HIV prevention and care resources, to conduct program planning and evaluation, and to educate the public about the HIV epidemic in Washington.

For more information, or to receive a printed copy of this report, please contact:

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ABOUT THIS PUBLICATION

This surveillance report reflects events occurring through December 31, 2022 and reported by June 30 2023, unless otherwise stated. Reports are published annually.

HIV REPORTING REQUIREMENTS

Detailed requirements for the reporting of communicable diseases including HIV/AIDS are described in the Washington Administrative Code (WAC), section 246-101 (<http://apps.leg.wa.gov/WAC/default.aspx?cite=246-101>).

Washington health care providers are required to report all HIV cases, regardless of the date of the patient's initial diagnosis, to the health department. Providers are also required to report new diagnoses of AIDS in a person previously diagnosed with HIV. Local health department officials forward case reports to the state department of health. Names are never sent to the federal government.

Laboratories are required to report any evidence of HIV infection (i.e., positive western blot assays, p24 antigen detection, viral culture, and nucleic acid detection), all HIV viral load tests (detectable or not), and all CD4 counts in the setting of HIV infection. If the laboratory cannot distinguish tests, such as CD4 counts, done due to HIV versus other diseases (such as cancer), the CD4 counts should be reported and the health department will investigate. However, laboratory reporting does not relieve health care providers of their duty to report, as most of the critical information necessary for surveillance and follow-up is not available to laboratories.

For further information about HIV/AIDS reporting requirements, please call your local health department or the Washington State Department of Health at 888-367-5555. In King County, call 206-263-2000.

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