



WASHINGTON STATE HIV SURVEILLANCE REPORT 2022 EDITION



DOH 150-030

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

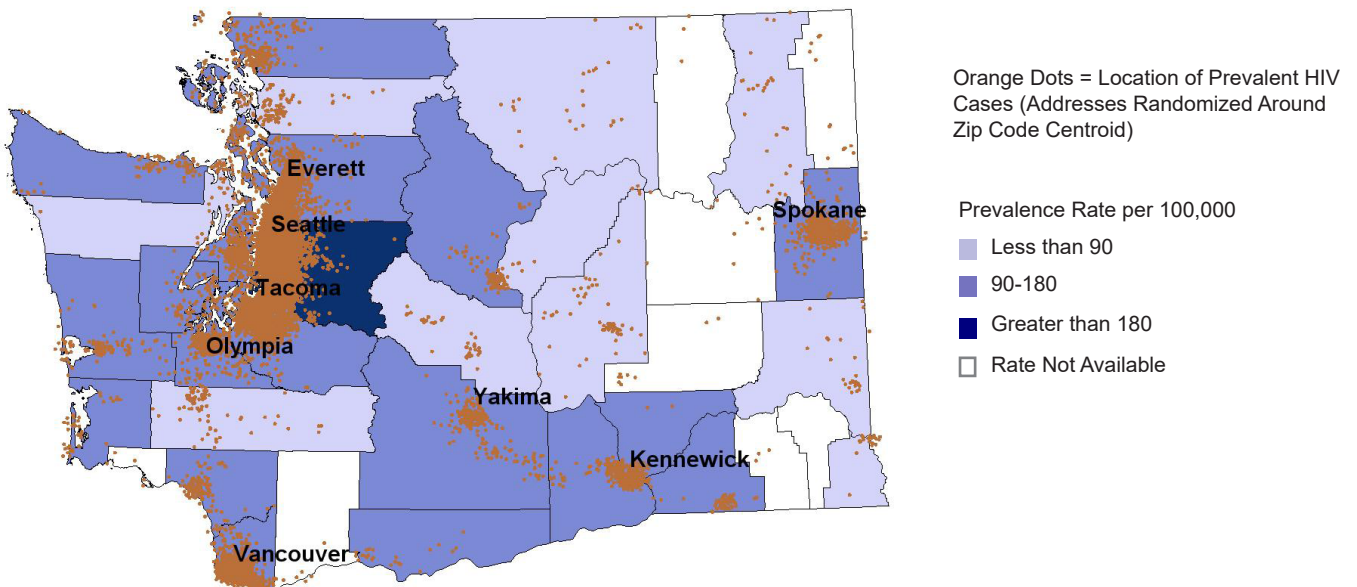
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HIV IN WASHINGTON: AN OVERVIEW

- In Washington, the first case of HIV was diagnosed in 1981.
- There are roughly 14,000 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 81% of the annual number of new cases, and male-male sex is the identified exposure in 63% of new cases.
- Just over 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, 2021



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, 2021

	New AIDS Cases			New HIV Cases			Late HIV Diagnoses ^a		Initial Linkage to HIV Care ^b	
	no.	column %	rate	no.	column %	rate	no.	row %	no.	row %
Total	185	100%	2.4	406	100%	5.2	92	23%	320	79%
Gender										
Cisgender men	151	82%	3.9	321	79%	8.3	78	24%	255	79%
Cisgender women	30	16%	0.8	71	17%	1.8	14	20%	55	77%
Transgender men	0	0%	n/a	3	1%	n/a	--	--	--	--
Transgender women	4	2%	n/a	11	3%	n/a	0	0%	7	64%
Age at HIV Diagnosis										
<14	0	0%	0.0	2	0%	0.1 ^{NR}	--	--	--	--
15-24	12	6%	1.2 ^{NR}	51	13%	5.3	6	12%	43	84%
25-34	42	23%	3.8	141	35%	12.9	19	13%	111	79%
35-44	56	30%	5.4	98	24%	9.4	31	32%	76	78%
45-54	39	21%	4.1	72	18%	7.7	21	29%	55	76%
55-64	28	15%	2.9	32	8%	3.3	12	38%	27	84%
65+	8	4%	0.6 ^{NR}	10	2%	0.7 ^{NR}	3	30%	7	70%
Race/ethnicity										
AI/AN	2	1%	2.2 ^{NR}	8	2%	8.7 ^{NR}	--	--	--	--
Asian	10	5%	1.3	18	4%	2.4	6	33%	14	78%
Black	39	21%	12.8	79	19%	25.9	19	24%	61	77%
Foreign-born ^c	18	10%	25.6	29	7%	41.2	12	41%	21	72%
U.S.-born ^c	17	9%	7.1	31	8%	13.0	4	13%	27	87%
LAT/HISP	44	24%	4.0	96	24%	8.7	23	24%	80	83%
Foreign-born ^c	21	11%	7.1	42	10%	14.2	9	21%	36	86%
U.S.-born ^c	15	8%	2.0 ^{NR}	28	7%	3.7	6	21%	23	82%
NHOPI	1	1%	1.5 ^{NR}	7	2%	10.8 ^{NR}	--	--	--	--
White	77	42%	1.6	181	45%	3.7	40	22%	140	77%
Multiple	12	6%	2.4 ^{NR}	17	4%	3.3	3	18%	15	88%
Mode of Exposure										
MSM	96	52%	n/a	217	53%	n/a	47	22%	172	79%
PWID	8	4%	n/a	23	6%	n/a	2	9%	18	78%
MSM/PWID	12	6%	n/a	34	8%	n/a	2	6%	24	71%
Heterosexual	24	13%	n/a	45	11%	n/a	10	22%	39	87%
Blood/pediatric	3	2%	n/a	2	0%	n/a	--	--	--	--
NIR	42	23%	n/a	85	21%	n/a	31	36%	66	78%

Abbreviations: AI/AN, American Indian or Alaska Native; LAT/HISP, Latina/o/x and Hispanic; MSM, people assigned male at birth who have sex with men; NHOPI, Native Hawaiian or Other Pacific Islander; NIR, no identified risk; 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 Late HIV diagnoses = AIDS diagnoses within 12 months of HIV diagnoses

^b Initial linkage to care = at least one CD4 or viral load result within 30 days of HIV diagnoses

^c Country of origin data are missing for approximately 10% and 38% 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, 2021

County or Health District or Residence	New HIV Cases			Late HIV Diagnoses ^a		Initial Linkage to HIV Care ^b	
	no.	column %	rate	no.	row %	no.	row %
Adams Co.	0	0%	0.0	0	0%	0	0%
Asotin Co.	0	0%	0.0	0	0%	0	0%
Benton Co.	12	3%	5.7 ^{NR}	5	42%	12	100%
Benton-Franklin HD	18	4%	5.8	6	33%	15	83%
Chelan Co.	5	1%	6.3 ^{NR}	--	--	--	--
Chelan-Douglas HD	5	1%	4.0 ^{NR}	--	--	--	--
Clallam Co.	5	1%	6.4 ^{NR}	--	--	--	--
Clark Co.	26	6%	5.1	3	12%	20	77%
Columbia Co.	0	0%	0.0	0	0%	0	0%
Cowlitz Co.	6	1%	5.4 ^{NR}	--	--	--	--
Douglas Co.	0	0%	0.0	0	0%	0	0%
Ferry Co.	1	0%	13.8 ^{NR}	--	--	--	--
Franklin Co.	6	1%	6.1 ^{NR}	--	--	--	--
Garfield Co.	0	0%	0.0	0	0%	0	0%
Grant Co.	1	0%	1.0 ^{NR}	--	--	--	--
Grays Harbor Co.	4	1%	5.3 ^{NR}	--	--	--	--
Island Co.	0	0%	0.0	0	0%	0	0%
Jefferson Co.	0	0%	0.0	0	0%	0	0%
King Co.	182	45%	8.0	40	22%	149	82%
Kitsap Co.	5	1%	1.8 ^{NR}	--	--	--	--
Kittitas Co.	0	0%	0.0	0	0%	0	0%
Klickitat Co.	0	0%	0.0	0	0%	0	0%
Lewis Co.	4	1%	4.8 ^{NR}	--	--	--	--
Lincoln Co.	1	0%	9.2 ^{NR}	--	--	--	--
Mason Co.	3	1%	4.6 ^{NR}	--	--	--	--
Ne Tri-County HD	1	0%	1.5 ^{NR}	--	--	--	--
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.	59	15%	6.4	12	20%	41	69%
San Juan Co.	0	0%	0.0	0	0%	0	0%
Skagit Co.	2	0%	1.5 ^{NR}	--	--	--	--
Skamania Co.	0	0%	0.0	0	0%	0	0%
Snohomish Co.	30	7%	3.6	8	27%	22	73%
Spokane Co.	22	5%	4.1	6	27%	20	91%
Stevens Co.	0	0%	0.0	0	0%	0	0%
Thurston Co.	16	4%	5.4 ^{NR}	3	19%	12	75%
Wahkiakum Co.	0	0%	0.0	0	0%	0	0%
Walla Walla Co.	1	0%	1.6 ^{NR}	--	--	--	--
Whatcom Co.	3	1%	1.3 ^{NR}	--	--	--	--
Whitman Co.	4	1%	9.0 ^{NR}	--	--	--	--
Yakima Co.	8	2%	3.1 ^{NR}	0	0%	6	75%
Total	406	100%	5.2	92	23%	320	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 Late HIV diagnoses = AIDS diagnoses within 12 months of HIV diagnoses^b Initial linkage to care = at least one CD4 or viral load result within 30 days of HIV diagnosis

STATISTICS: NEW HIV CASES (continued)

Table 3. New HIV Case Counts over Time, by Demographic and Risk Characteristics, WA State, 2017-2021

	2017	2018	2019	2020	2021	2017-2021			
	no.	no.	no.	no.	no.	total no.	avg. no.	%	rate
Total	376	399	406	357	406	1944	389	100%	5.2
Gender									
Cisgender men	303	308	334	304	321	1570	314	81%	8.3
Cisgender women	67	88	64	48	71	338	68	17%	1.8
Transgender men	1	0	1	0	3	5	1	0%	n/a
Transgender women	5	3	7	5	11	31	6	2%	n/a
Age at HIV Diagnosis									
<14	4	0	1	0	2	7	1	0%	0.1 ^{NR}
15-24	58	54	60	54	51	277	55	14%	5.0
25-34	144	138	163	125	141	711	142	37%	13.4
35-44	62	92	76	84	98	412	82	21%	8.3
45-54	64	66	64	46	72	312	62	16%	6.7
55-64	35	41	31	36	32	175	35	9%	3.6
65+	9	8	11	12	10	50	10	3%	0.8 ^{NR}
Race/ethnicity									
AI/AN	4	2	2	5	8	21	4	1%	4.5 ^{NR}
Asian	24	16	18	29	18	105	21	5%	3.1
Black	72	82	67	57	79	357	71	18%	24.7
Foreign-born ^a	37	43	29	20	29	158	32	8%	43.2
U.S.-born ^a	31	34	34	26	31	156	31	8%	14.3
LAT/HISP	80	71	95	56	96	398	80	20%	7.9
Foreign-born ^a	39	29	52	20	42	182	36	9%	11.9
U.S.-born ^a	34	30	29	20	28	141	28	7%	4.1
NHOPI	3	5	3	4	7	22	4	1%	8.0 ^{NR}
White	177	198	201	189	181	946	189	49%	3.7
Multiple	16	25	20	17	17	95	19	5%	5.3
Mode of Exposure									
MSM	210	199	241	224	217	1091	218	56%	n/a
PWID	19	44	41	13	23	140	28	7%	n/a
MSM/PWID	27	39	23	21	34	144	29	7%	n/a
Heterosexual	38	50	38	27	45	198	40	10%	n/a
Blood/pediatric	5	2	2	0	2	11	2	1%	n/a
NIR	77	65	61	72	85	360	72	19%	n/a

Abbreviations: AI/AN, American Indian or Alaska Native; LAT/HISP, Latina/o/x and Hispanic; MSM, people assigned male at birth who have sex with men; NHOPI, Native Hawaiian or Other Pacific Islander; 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 Country of origin data are missing for approximately 10% and 38% of newly diagnosed cases among Black and LAT/HISP, respectively

STATISTICS: NEW HIV CASES (continued)

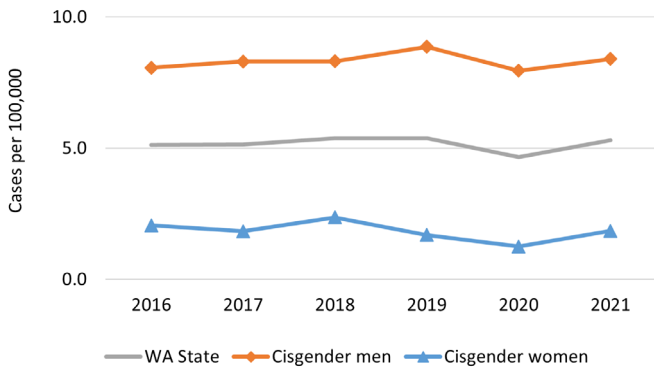
Table 4. New HIV Case Counts over Time, by County and Health District (HD) of Residence at HIV Diagnosis, WA State, 2017-2021

County and Health District of Residence	2017	2018	2019	2020	2021	2017-2021			
	no.	no.	no.	no.	no.	total no.	avg. no.	%	rate
Adams Co.	0	0	1	1	0	2	0	0%	2.0 ^{NR}
Asotin Co.	0	0	0	0	0	0	0	0%	0.0
Benton Co.	2	0	13	6	12	33	7	2%	3.3
Benton-Franklin HD	0	0	0	0	0	0	0	0%	0.0
Chelan Co.	1	3	2	1	5	12	2	1%	3.1 ^{NR}
Chelan-Douglas HD	0	0	0	0	0	0	0	0%	0.0
Clallam Co.	2	5	2	1	5	15	3	1%	3.9 ^{NR}
Clark Co.	24	21	28	22	26	121	24	6%	4.9
Columbia Co.	1	0	0	0	0	1	0	0%	4.9 ^{NR}
Cowlitz Co.	4	1	3	2	6	16	3	1%	2.9 ^{NR}
Douglas Co.	1	1	2	2	0	6	1	0%	2.8 ^{NR}
Ferry Co.	0	0	0	0	1	1	0	0%	2.6 ^{NR}
Franklin Co.	1	5	6	4	6	22	4	1%	4.7
Garfield Co.	0	0	0	0	0	0	0	0%	0.0
Grant Co.	0	4	2	3	1	10	2	1%	2.0 ^{NR}
Grays Harbor Co.	4	0	2	1	4	11	2	1%	3.0 ^{NR}
Island Co.	3	2	5	3	0	13	3	1%	3.1 ^{NR}
Jefferson Co.	0	1	0	0	0	1	0	0%	0.6 ^{NR}
King Co.	178	226	189	167	182	942	188	48%	8.5
Kitsap Co.	9	9	9	4	5	36	7	2%	2.7
Kittitas Co.	0	1	2	1	0	4	1	0%	1.7 ^{NR}
Klickitat Co.	1	0	0	1	0	2	0	0%	1.8 ^{NR}
Lewis Co.	0	1	2	1	4	8	2	0%	2 ^{NR}
Lincoln Co.	1	0	0	0	1	2	0	0%	3.7 ^{NR}
Mason Co.	4	5	5	4	3	21	4	1%	6.5
Ne Tri-County HD	0	0	0	0	0	0	0	0%	0.0
Okanogan Co.	0	0	1	0	0	1	0	0%	0.5 ^{NR}
Pacific Co.	0	1	0	0	0	1	0	0%	0.9 ^{NR}
Pend Oreille Co.	0	0	1	0	0	1	0	0%	1.5 ^{NR}
Pierce Co.	41	49	53	52	59	254	51	13%	5.7
San Juan Co.	0	0	0	0	0	0	0	0%	0.0
Skagit Co.	4	3	3	5	2	17	3	1%	2.7
Skamania Co.	0	0	0	0	0	0	0	0%	0.0
Snohomish Co.	27	20	29	23	30	129	26	7%	3.2
Spokane Co.	22	16	26	32	22	118	24	6%	4.6
Stevens Co.	0	0	0	2	0	2	0	0%	0.9 ^{NR}
Thurston Co.	10	8	6	8	16	48	10	2%	3.3
Wahkiakum Co.	0	0	0	0	0	0	0	0%	0.0
Walla Walla Co.	2	1	0	1	1	5	1	0%	1.6 ^{NR}
Whatcom Co.	8	3	5	3	3	22	4	1%	2.0
Whitman Co.	0	3	0	1	4	8	2	0%	3.3 ^{NR}
Yakima Co.	26	10	9	6	8	59	12	3%	4.6
Total	376	399	406	357	406	1944	389	100%	5.2

^{NR} Not reliable, RSE ≥25

STATISTICS: NEW HIV CASES (continued)

Figure 2. New HIV Case Rates by Gender,* WA State, 2016-2021



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

Figure 3. New HIV Case Rates by Age at Diagnosis, WA State, 2016-2021

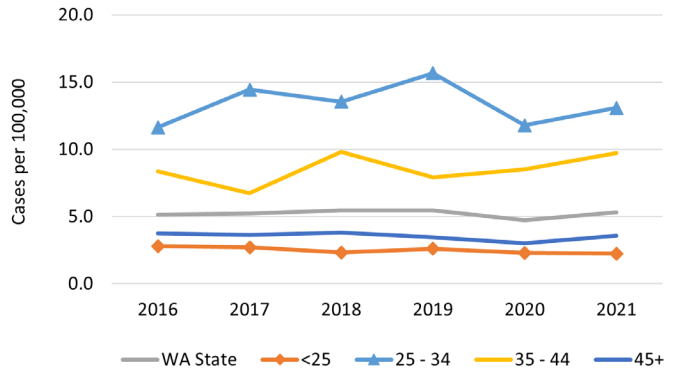


Figure 4. New HIV Case Rates among Black Persons by Nativity, WA State, 2016-2021

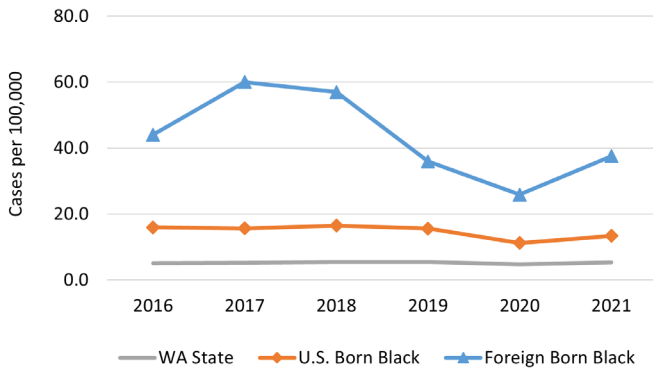


Figure 5. New HIV Case Rates among Latina/o/x and Hispanic (LAT/HISP) Persons by Nativity, WA State, 2016-2021

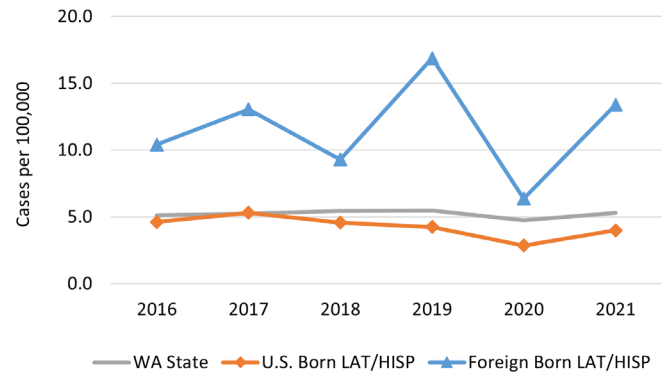
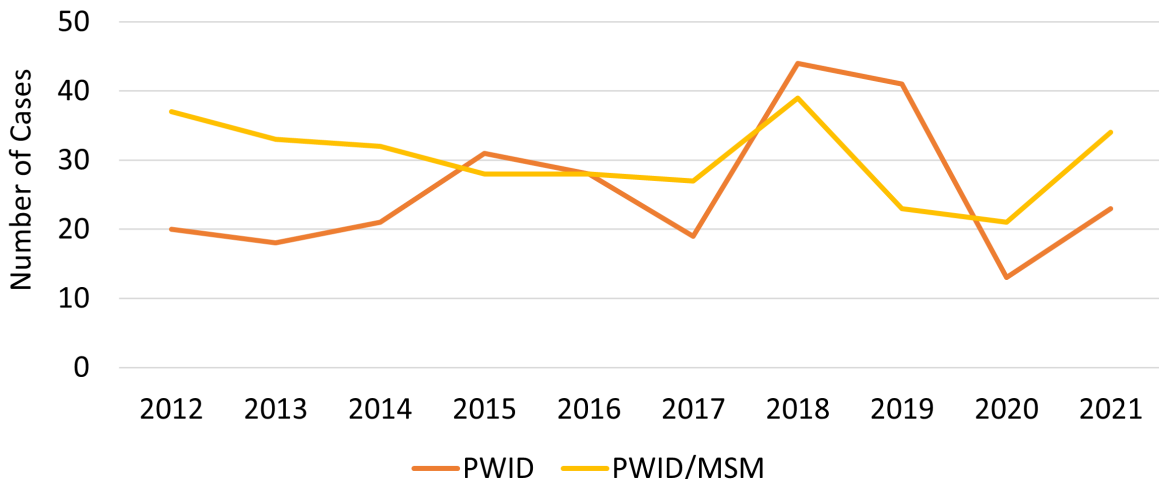


Figure 6. New HIV Case Counts among Persons who Inject Drugs (PWID) and PWID/MSM, WA State, 2012-2021



STATISTICS: NEW HIV CASES (continued)

Table 5. New Cases of HIV Infection, by Current Gender*, Race/Ethnicity, and HIV Exposure Category, WA State, 2017-2021

Gender	Exposure Category	Asian		Black		LAT/HISP		Other		White	
		No.	%	No.	%	No.	%	No.	%	No.	%
Cisgender men	MSM	64	76%	128	58%	275	79%	76	74%	522	64%
	PWID	1	1%	8	4%	7	2%	3	3%	61	7%
	MSM and PWID	0	0%	8	4%	11	3%	11	11%	110	14%
	Heterosexual Contact	0	0%	10	5%	10	3%	1	1%	14	2%
	Blood/Pediatric	0	0%	3	1%	0	0%	0	0%	1	0%
	NIR	19	23%	63	29%	46	13%	12	12%	106	13%
	Total	84	100%	220	100%	349	100%	103	100%	814	100%
Cisgender women	PWID	0	0%	4	3%	5	13%	8	29%	43	35%
	Heterosexual Contact	8	50%	64	49%	25	64%	14	50%	50	40%
	Blood/Pediatric	0	0%	5	4%	1	3%	0	0%	1	1%
	NIR	8	50%	58	44%	8	21%	6	21%	30	24%
	Total	16	100%	131	100%	39	100%	28	100%	124	100%
Transgender women	Sex with men	26	84%	-	-	-	-	-	-	-	-
	Sex with men and PWID	4	13%	-	-	-	-	-	-	-	-
	NIR	1	3%	-	-	-	-	-	-	-	-
	Total	31	100%	-	-	-	-	-	-	-	-

Abbreviations: LAT/HISP, Latina/o/x and Hispanic; MSM, people assigned male at birth who have sex with men; NIR, no identified risk; PWID, people who inject drugs
 * Due to the small number of HIV cases reported as transgender men, they were not included in this table

Figure 7. New HIV Case Rates, WA State, 2012-2021

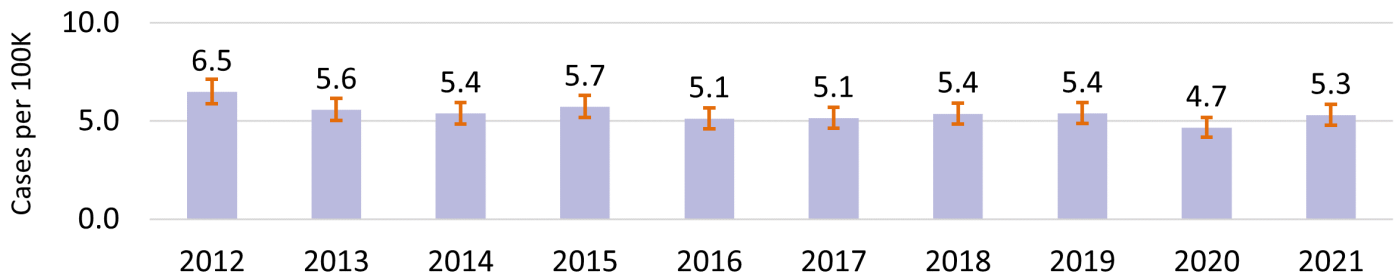
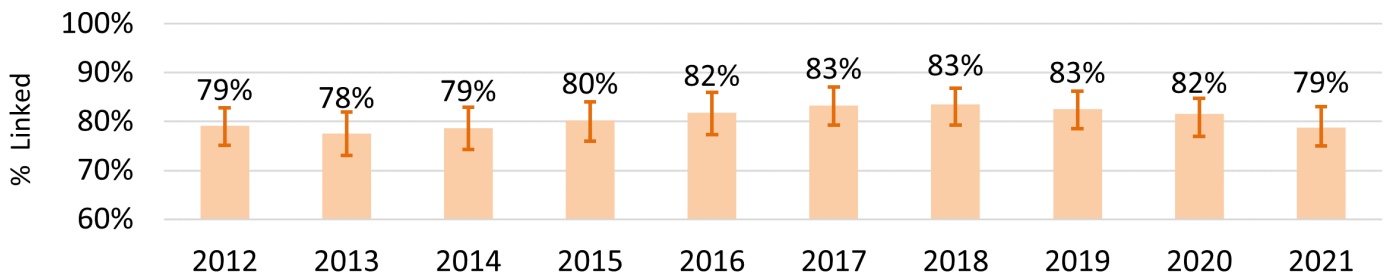


Figure 8. Linkage to Care among New HIV Cases, WA State, 2012-2021



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, 2021

	Prevalent Cases of HIV			Engaged in Care ^a		Suppressed Viral Load ^b	
	no.	column %	rate	no.	row %	no.	row %
Total	14517	100%	186.9	12567	87%	11564	80%
Gender							
Cisgender men	12083	83%	311.8	10465	87%	9674	80%
Cisgender women	2264	16%	58.2	1955	86%	1762	78%
Transgender men	19	0%	n/a	17	89%	16	84%
Transgender women	151	1%	n/a	130	86%	112	74%
Current Age							
<14	35	0%	2.5	32	91%	31	89%
15-24	270	2%	27.8	232	86%	194	72%
25-34	1924	13%	175.6	1566	81%	1382	72%
35-44	2880	20%	277.3	2384	83%	2130	74%
45-54	3648	25%	387.8	3175	87%	2910	80%
55-64	4015	28%	410.7	3577	89%	3392	84%
65+	1745	12%	129.8	1601	92%	1525	87%
Race/ethnicity							
AI/AN	133	1%	144.6	110	83%	96	72%
Asian	547	4%	73.1	489	89%	465	85%
Black	2557	18%	839.4	2169	85%	1962	77%
Foreign-born ^c	1112	8%	1579.0	973	88%	918	83%
U.S.-born ^c	1319	9%	552.6	1089	83%	953	72%
LAT/HISP	2296	16%	207.9	1961	85%	1797	78%
Foreign-born ^c	1139	8%	384.5	968	85%	907	80%
U.S.-born ^c	955	7%	125.4	824	86%	744	78%
NHOPI	69	0%	106.7	50	72%	46	67%
White	7986	55%	161.5	6960	87%	6445	81%
Multiple	925	6%	181.6	824	89%	749	81%
Mode of Exposure							
MSM	8935	62%	n/a	7830	88%	7345	82%
PWID	809	6%	n/a	657	81%	556	69%
MSM/PWID	1274	9%	n/a	1107	87%	945	74%
Heterosexual	1790	12%	n/a	1554	87%	1420	79%
Blood/pediatric	201	1%	n/a	179	89%	157	78%
NIR	1508	10%	n/a	1240	82%	1141	76%

Abbreviations: AI/AN, American Indian or Alaska Native; LAT/HISP, Latina/o/x and Hispanic; MSM, people assigned male at birth who have sex with men; NHOPI, Native Hawaiian or Other Pacific Islander; NIR, no identified risk; PWID, people who inject drugs
n/a Rate cannot be calculated due to no available population estimate

^a Engaged in care = at least one reported CD4 or VL result within calendar year

^b Suppressed viral load = last reported viral load result in calendar year was < 200 copies/mL

^c Country of origin data are missing for approximately 5% and 9% of newly 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, 2021

County or Health District of Residence	Prevalent Cases of HIV			Engaged in Care ^a		Suppressed Viral Load ^b	
	no.	column %	rate ^{NR}	no.	row %	no.	row %
Adams Co.	13	0%	62.2 ^{NR}	9	69%	8	62%
Asotin Co.	20	0%	88.9	16	80%	16	80%
Benton Co.	203	1%	96.9	166	82%	106	52%
Benton-Franklin HD	297	2%	96.5	252	85%	159	54%
Chelan Co.	75	1%	93.8	60	80%	53	71%
Chelan-Douglas HD	98	1%	79.3	78	80%	70	71%
Clallam Co.	87	1%	111.9	75	86%	66	76%
Clark Co.	868	6%	169.2	667	77%	617	71%
Columbia Co.	3	0%	75.9 ^{NR}	--	--	--	--
Cowlitz Co.	159	1%	142.6	128	81%	117	74%
Douglas Co.	23	0%	52.8	18	78%	17	74%
Ferry Co.	3	0%	41.4 ^{NR}	--	--	--	--
Franklin Co.	94	1%	95.6	86	91%	53	56%
Garfield Co.	0	0%	0.0	0	0%	0	0%
Grant Co.	59	0%	58.5	54	92%	50	85%
Grays Harbor Co.	109	1%	143.3	90	83%	82	75%
Island Co.	106	1%	121.7	81	76%	81	76%
Jefferson Co.	49	0%	148.0	39	80%	36	73%
King Co.	7211	50%	315.3	6443	89%	6004	83%
Kitsap Co.	365	3%	131.4	302	83%	287	79%
Kittitas Co.	37	0%	81.8	32	86%	29	78%
Klickitat Co.	22	0%	95.7	18	82%	17	77%
Lewis Co.	74	1%	89.5	61	82%	56	76%
Lincoln Co.	11	0%	100.9 ^{NR}	9	82%	8	73%
Mason Co.	78	1%	118.6	62	79%	59	76%
Ne Tri-County HD	41	0%	60.8	29	71%	28	68%
Okanogan Co.	27	0%	63.8	23	85%	22	81%
Pacific Co.	39	0%	166.5	30	77%	28	72%
Pend Oreille Co.	12	0%	89.1 ^{NR}	6	50%	6	50%
Pierce Co.	1633	11%	175.9	1356	83%	1222	75%
San Juan Co.	20	0%	112.0	18	90%	18	90%
Skagit Co.	100	1%	76.9	88	88%	85	85%
Skamania Co.	6	0%	51.1 ^{NR}	--	--	--	--
Snohomish Co.	1242	9%	148.2	1086	87%	1032	83%
Spokane Co.	786	5%	145.0	677	86%	600	76%
Stevens Co.	26	0%	55.6	21	81%	20	77%
Thurston Co.	347	2%	116.5	299	86%	260	75%
Wahkiakum Co.	5	0%	111.7 ^{NR}	--	--	--	--
Walla Walla Co.	58	0%	93.4	46	79%	45	78%
Whatcom Co.	255	2%	112.7	227	89%	208	82%
Whitman Co.	29	0%	65.0	24	83%	23	79%
Yakima Co.	263	2%	101.9	237	90%	221	84%
Total	14517	100%	186.9	12567	87%	11564	80%

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 Engaged in care = at least one reported CD4 or VL result within calendar year^b Suppressed viral load = last reported viral load result in calendar year was < 200 copies/mL

STATISTICS: PREVALENT HIV CASES (continued)

Table 8. Prevalent Cases of HIV, by Current Gender*, Race/Ethnicity, and HIV Exposure Category, WA State, 2021

Gender	Exposure Category	Asian		Black		LAT/HISP		Other		White	
		No.	%	No.	%	No.	%	No.	%	No.	%
Cisgender men	MSM	327	74%	848	54%	1,516	76%	644	70%	5,481	76%
	PWID	6	1%	76	5%	46	2%	41	4%	312	4%
	MSM and PWID	11	2%	93	6%	153	8%	132	14%	855	12%
	Heterosexual Contact	12	3%	175	11%	74	4%	36	4%	118	2%
	Blood/Pediatric	4	1%	41	3%	9	0%	6	1%	39	1%
	NIR	84	19%	332	21%	184	9%	64	7%	361	5%
	Total	444	100%	1,565	100%	1,982	100%	923	100%	7,166	100%
Cisgender women	PWID	2	2%	37	4%	26	10%	45	26%	213	28%
	Heterosexual Contact	64	69%	572	59%	190	71%	102	59%	441	58%
	Blood/Pediatric	3	3%	60	6%	10	4%	4	2%	23	3%
	NIR	24	26%	297	31%	40	15%	23	13%	87	11%
	Total	93	100%	966	100%	266	100%	174	100%	764	100%
Transgender women	Sex with men	8	89%	21	95%	36	77%	21	78%	29	63%
	PWID	0	0%	0	0%	1	2%	0	0%	0	0%
	Sex with men and PWID	0	0%	1	5%	8	17%	6	22%	15	33%
	NIR	1	11%	0	0%	2	4%	0	0%	2	4%
	Total	9	100%	22	100%	47	100%	27	100%	46	100%

Abbreviations: LAT/HISP, Latina/o/x and Hispanic; MSM, people assigned male at birth who have sex with men; NIR, no identified risk; PWID, people who inject drugs
 * 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, 2012-2021

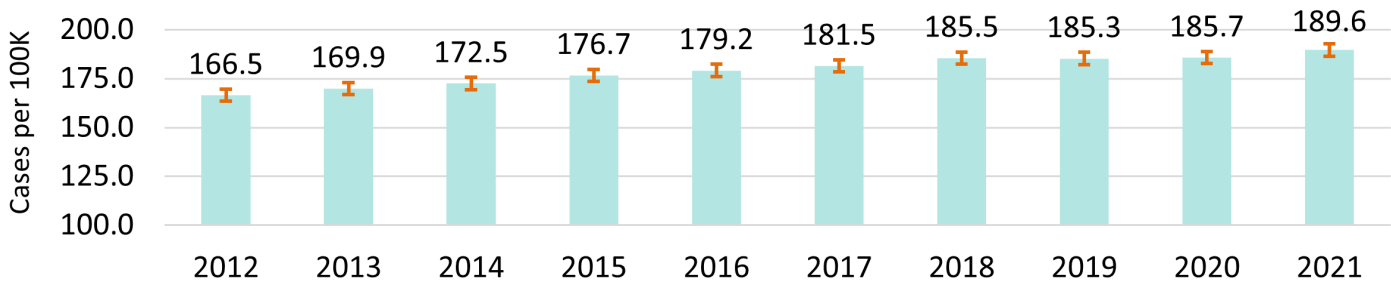
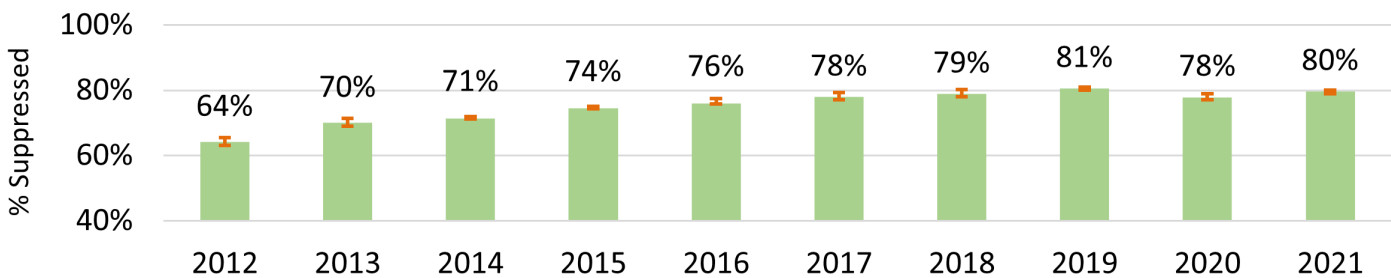


Figure 10. Virologic Suppression among Living HIV Cases, WA State, 2012-2021



STATISTICS: PREVALENT HIV CASES (continued)

Table 9. Prevalent Cases of HIV, by Demographic and Risk Characteristics, WA State, 2017-2021

Total	2017		2018		2019		2020		2021	
	no.	col %	no.	col %	no.	col %	no.	col %	no.	col %
	13376	100%	13780	100%	13984	100%	14218	100%	14517	100%
Gender										
Cisgender men	11267	84%	11550	84%	11691	84%	11889	84%	12083	83%
Cisgender women	1975	15%	2093	15%	2158	15%	2186	15%	2264	16%
Transgender men	12	0%	13	0%	13	0%	16	0%	19	0%
Transgender women	122	1%	124	1%	122	1%	127	1%	151	1%
Age at HIV Diagnosis										
<14	54	0%	54	0%	48	0%	40	0%	35	0%
15-24	301	2%	292	2%	301	2%	286	2%	270	2%
25-34	1803	13%	1837	13%	1860	13%	1924	14%	1924	13%
35-44	2707	20%	2781	20%	2767	20%	2825	20%	2880	20%
45-54	4266	32%	4114	30%	3923	28%	3733	26%	3648	25%
55-64	3180	24%	3471	25%	3711	27%	3882	27%	4015	28%
65+	1065	8%	1231	9%	1374	10%	1528	11%	1745	12%
Race/ethnicity										
AI/AN	126	1%	129	1%	132	1%	125	1%	133	1%
Asian	438	3%	454	3%	484	3%	524	4%	547	4%
Black	2133	16%	2289	17%	2381	17%	2455	17%	2557	18%
Foreign-born ^a	850	6%	958	7%	1016	7%	1052	7%	1112	8%
U.S.-born ^a	1203	9%	1248	9%	1271	9%	1292	9%	1319	9%
LAT/HISP	1954	15%	2045	15%	2126	15%	2194	15%	2296	16%
Foreign-born ^a	949	7%	980	7%	1048	7%	1081	8%	1139	8%
U.S.-born ^a	871	7%	918	7%	916	7%	934	7%	955	7%
NHOPI	55	0%	61	0%	61	0%	63	0%	69	0%
White	7744	58%	7863	57%	7859	56%	7936	56%	7986	55%
Multiple	921	7%	934	7%	936	7%	916	6%	925	6%
Mode of Exposure										
MSM	8238	62%	8447	61%	8598	61%	8757	62%	8935	62%
PWID	788	6%	810	6%	821	6%	806	6%	809	6%
MSM/PWID	1305	10%	1324	10%	1275	9%	1277	9%	1274	9%
Heterosexual	1668	12%	1710	12%	1735	12%	1758	12%	1790	12%
Blood/pediatric	191	1%	193	1%	200	1%	196	1%	201	1%
NIR	1186	9%	1296	9%	1355	10%	1424	10%	1508	10%

Abbreviations: AI/AN, American Indian or Alaska Native; LAT/HISP, Latina/o/x and Hispanic; MSM, people assigned male at birth who have sex with men; NHOPI, Native Hawaiian or Other Pacific Islander; NIR, no identified risk; PWID, people who inject drugs

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

STATISTICS: PREVALENT HIV CASES (continued)

Table 10. Prevalent Cases of HIV, by County and Health District (HD) of Residence at HIV Diagnosis, WA State, 2017-2021

County and Health District of Residence	2017		2018		2019		2020		2021	
	no.	col %	no.	col %	no.	col %	no.	col %	no.	col %
Adams Co.	11	0%	13	0%	14	0%	13	0%	13	0%
Asotin Co.	23	0%	23	0%	19	0%	18	0%	20	0%
Benton Co.	160	1%	180	1%	194	1%	201	1%	203	1%
Benton-Franklin HD	238	2%	264	2%	275	2%	289	2%	297	2%
Chelan Co.	55	0%	56	0%	59	0%	61	0%	75	1%
Chelan-Douglas HD	70	1%	72	1%	78	1%	89	1%	98	1%
Clallam Co.	79	1%	81	1%	86	1%	84	1%	87	1%
Clark Co.	729	5%	767	6%	801	6%	869	6%	868	6%
Columbia Co.	6	0%	4	0%	3	0%	3	0%	3	0%
Cowlitz Co.	146	1%	153	1%	151	1%	155	1%	159	1%
Douglas Co.	15	0%	16	0%	19	0%	28	0%	23	0%
Ferry Co.	5	0%	5	0%	6	0%	4	0%	3	0%
Franklin Co.	78	1%	84	1%	81	1%	88	1%	94	1%
Garfield Co.	3	0%	3	0%	2	0%	2	0%	0	0%
Grant Co.	41	0%	44	0%	51	0%	59	0%	59	0%
Grays Harbor Co.	98	1%	98	1%	95	1%	103	1%	109	1%
Island Co.	91	1%	101	1%	105	1%	110	1%	106	1%
Jefferson Co.	46	0%	53	0%	48	0%	49	0%	49	0%
King Co.	6934	52%	7033	51%	7062	51%	7094	50%	7211	50%
Kitsap Co.	335	3%	331	2%	351	3%	358	3%	365	3%
Kittitas Co.	30	0%	29	0%	33	0%	33	0%	37	0%
Klickitat Co.	17	0%	17	0%	19	0%	20	0%	22	0%
Lewis Co.	65	0%	69	1%	68	0%	66	0%	74	1%
Lincoln Co.	9	0%	5	0%	7	0%	6	0%	11	0%
Mason Co.	67	1%	69	1%	69	0%	75	1%	78	1%
Ne Tri-County HD	44	0%	45	0%	46	0%	41	0%	41	0%
Okanogan Co.	29	0%	28	0%	28	0%	27	0%	27	0%
Pacific Co.	25	0%	29	0%	33	0%	35	0%	39	0%
Pend Oreille Co.	14	0%	12	0%	14	0%	13	0%	12	0%
Pierce Co.	1465	11%	1554	11%	1575	11%	1605	11%	1633	11%
San Juan Co.	21	0%	23	0%	23	0%	22	0%	20	0%
Skagit Co.	97	1%	97	1%	96	1%	97	1%	100	1%
Skamania Co.	7	0%	6	0%	5	0%	5	0%	6	0%
Snohomish Co.	1079	8%	1154	8%	1207	9%	1232	9%	1242	9%
Spokane Co.	637	5%	680	5%	691	5%	731	5%	786	5%
Stevens Co.	25	0%	28	0%	26	0%	24	0%	26	0%
Thurston Co.	334	2%	341	2%	342	2%	336	2%	347	2%
Wahkiakum Co.	4	0%	6	0%	4	0%	4	0%	5	0%
Walla Walla Co.	62	0%	60	0%	56	0%	56	0%	58	0%
Whatcom Co.	251	2%	249	2%	254	2%	254	2%	255	2%
Whitman Co.	25	0%	26	0%	29	0%	26	0%	29	0%
Yakima Co.	258	2%	253	2%	257	2%	252	2%	263	2%
Total	13376	100%	13780	100%	13984	100%	14218	100%	14517	100%

^{NR} Not reliable, RSE ≥25

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, 2017-2021

	New HIV Cases		Prevalent HIV Cases, 2021	
	no.	column %	no.	column %
Total	64	3% ^a	565	4% ^a
Gender				
Cisgender men	39	61%	446	79%
Cisgender women	23	36%	104	18%
Transgender men	0	0%	2	0%
Transgender women	2	3%	13	2%
Mode of Exposure				
MSM	27	42%	309	55%
PWID	11	17%	64	11%
MSM/PWID	7	11%	80	14%
Heterosexual	11	17%	72	13%
NIR/Other	8	13%	40	7%
Geography				
King County	30	47%	266	47%
Other Western Washington	19	30%	226	40%
Eastern Washington	15	23%	73	13%
Care Metrics				
Initial Linkage to HIV Care ^b	52	81%	N/A	N/A
Engaged in Care ^c	N/A	N/A	490	87%
Viral Suppression ^d	N/A	N/A	436	77%

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 Initial linkage to care = at least one CD4 or viral load result within 30 days of HIV diagnoses

^c Engaged in care = at least one reported CD4 or VL result within calendar year

^d Suppressed viral load = last reported viral load result in calendar year was < 200 copies/mL

STATISTICS: MORTALITY

Table 12. Deaths among Cases of HIV Infection, by Demographic and Risk Characteristics, WA State, 1984-2020

	2020					1984-2020	
	no.	column %	Mortality rate (per 100,000)	case fatality rate (per 1,000)	standard mortality ratio	no.	column %
Total	180	100%	2.4	12.7	1.5	8759	100%
Gender							
Cisgender men	148	82%	3.9	12.4	1.4	7942	91%
Cisgender women	31	17%	0.8	14.2	2.6	794	9%
Transgender men	0	0%	n/a	0.0	n/a	0	0%
Transgender women	1	1%	n/a	7.9 ^{NR}	n/a	23	0%
Current Age							
<14	0	0%	0.0	0.0	0.0	19	0%
15-24	2	1%	0.2 ^{NR}	6.7 ^{NR}	11.3	103	1%
25-34	4	2%	0.4 ^{NR}	2.1 ^{NR}	1.9	1753	20%
35-44	18	10%	1.8	6.4	2.9	3071	35%
45-54	53	29%	5.7	14.2	3.4	2127	24%
55-64	52	29%	5.3	13.4	1.4	1130	13%
65+	51	28%	4.0	33.4	0.9	556	6%
Race/ethnicity							
AI/AN	6	3%	6.3 ^{NR}	48.0 ^{NR}	n/a	141	2%
Asian	1	1%	0.1 ^{NR}	1.9 ^{NR}	n/a	98	1%
Black	21	12%	6.9	8.6	n/a	851	10%
Foreign-born ^a	5	3%	6.5 ^{NR}	4.8 ^{NR}	n/a	82	1%
U.S.-born ^a	14	8%	6.1 ^{NR}	10.8 ^{NR}	n/a	734	8%
LAT/HISP	24	13%	2.3	10.9	n/a	597	7%
Foreign-born ^a	4	2%	1.3 ^{NR}	3.7 ^{NR}	n/a	199	2%
U.S.-born ^a	18	10%	2.6	19.3	n/a	343	4%
NHOPI	1	1%	1.8 ^{NR}	15.9 ^{NR}	n/a	21	0%
White	111	62%	2.2	14.0	n/a	6724	77%
Multiple	16	9%	4.7 ^{NR}	17.5 ^{NR}	n/a	326	4%
Mode of Exposure							
MSM	92	51%	n/a	10.5	n/a	5538	63%
PWID	21	12%	n/a	26.1	n/a	994	11%
MSM/PWID	29	16%	n/a	22.7	n/a	988	11%
Heterosexual	18	10%	n/a	10.2	n/a	529	6%
Blood/pediatric	2	1%	n/a	10.2	n/a	188	2%
NIR	18	10%	n/a	12.6	n/a	522	6%

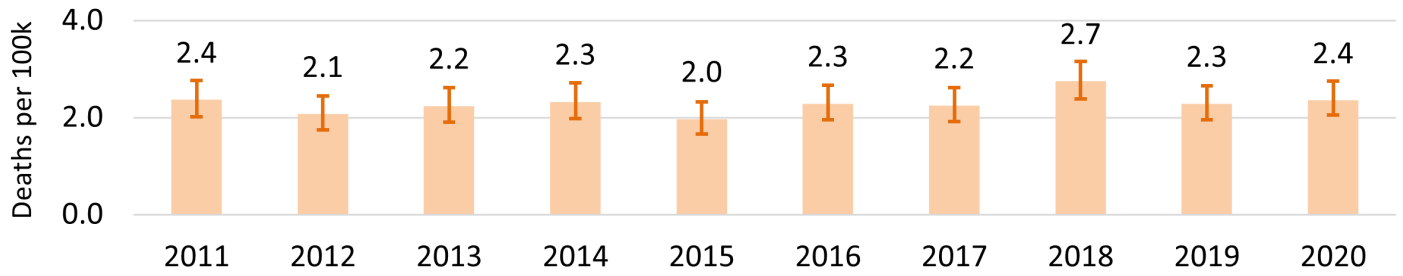
Abbreviations: AI/AN, American Indian or Alaska Native; LAT/HISP, Latina/o/x and Hispanic; MSM, people assigned male at birth who have sex with men; NHOPI, Native Hawaiian or Other Pacific Islander; NIR, no identified risk; PWID, people who inject drugs
n/a Rate cannot be calculated due to no available population estimate

^{NR} Not reliable, RSE ≥25

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

STATISTICS: MORTALITY (continued)

Figure 11. Age-Adjusted HIV Death Rates, WA State, 2011-2020



STATISTICS: HIV CARE CONTINUA

Figure 12. HIV Care Continuum, WA State, 2021

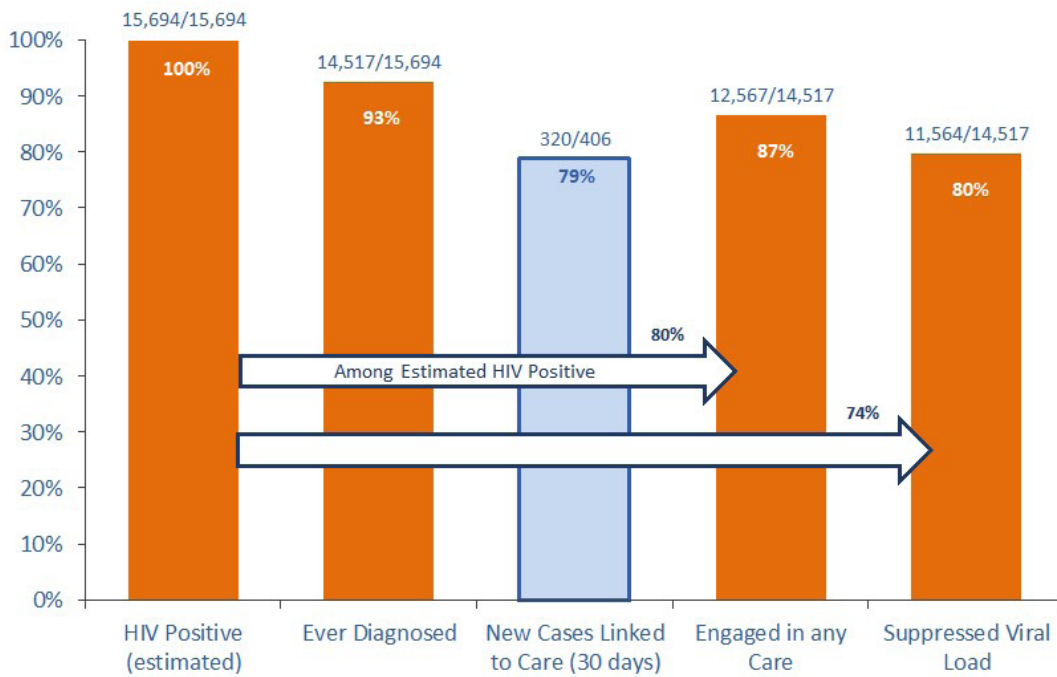
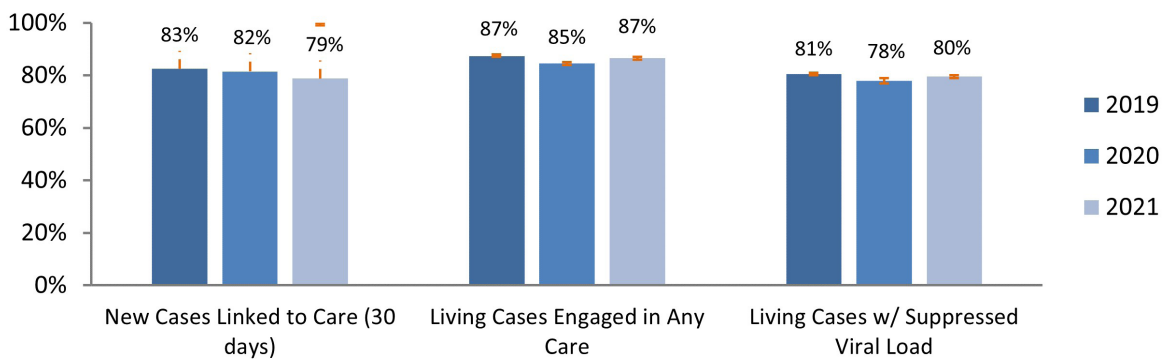


Figure 13. HIV Care Outcomes over Time, WA State, 2019-2021



STATISTICS: HIV CARE CONTINUA FOR END AIDS WASHINGTON PRIORITY POPULATIONS, WA state, 2019-2021

Figure 14. Transgender Women

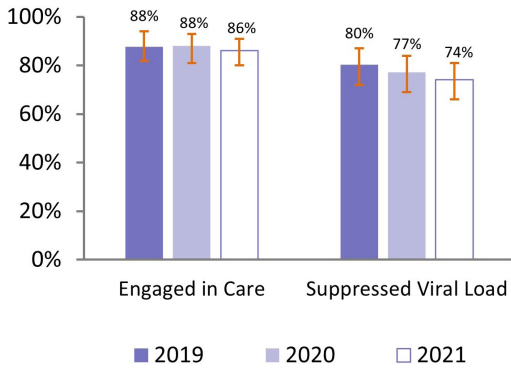
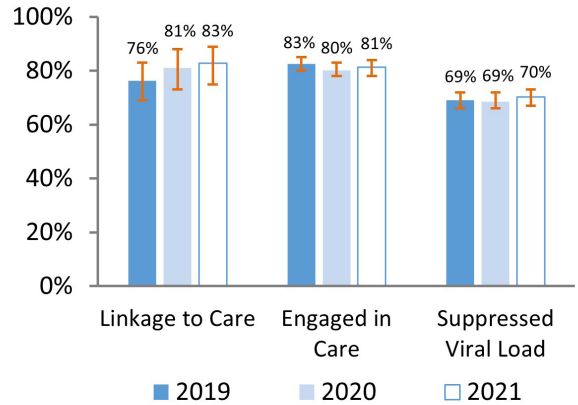


Figure 15. Young Adults (Ages 18-29)



*Linkage to care not shown due to small case counts

Figure 16. U.S.-Born Black

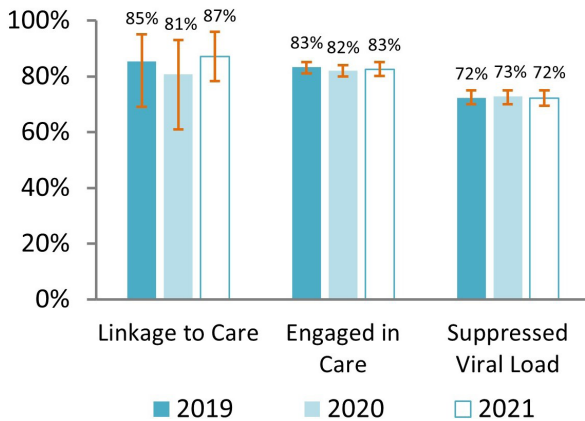


Figure 17. Foreign-Born Black

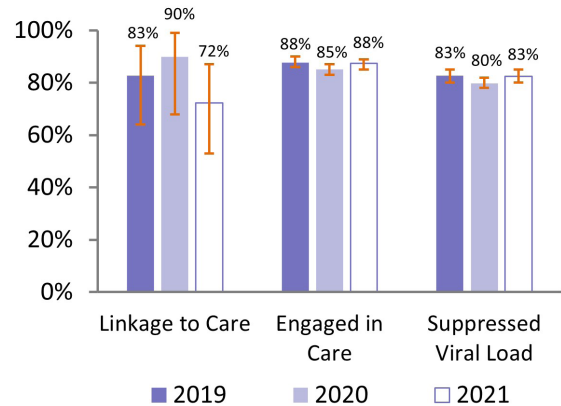


Figure 18. Foreign-Born Latina/o/x and Hispanic Persons

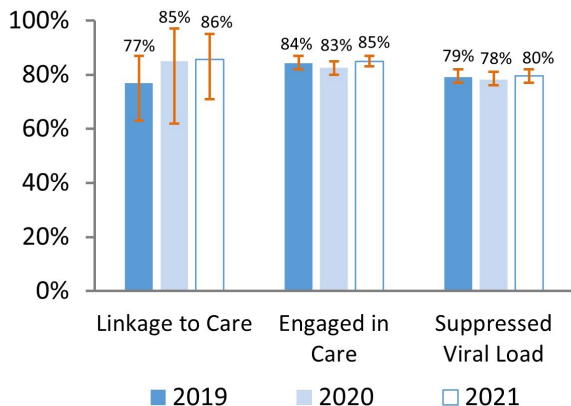
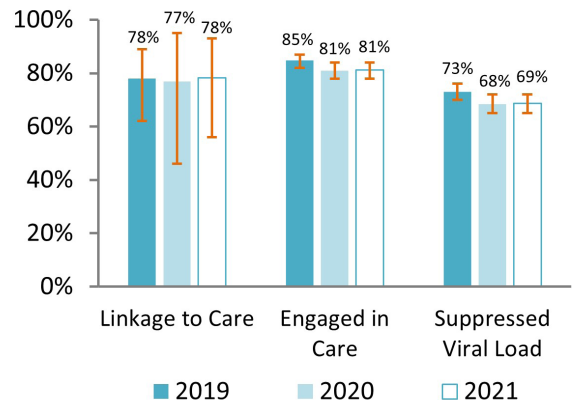


Figure 19. Persons who Inject Drugs



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, 2021 and reported by June 30 2022, 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.

SUGGESTED CITATION

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ALTERNATIVE FORMATS

Electronic copies of this report are available at: <https://www.doh.wa.gov/DataandStatisticalReports/DiseasesandChronicConditions/HIVAIDSData/SurveillanceReports>

For people with disabilities, this document is available on request in other formats. To submit a request, please call 1-800-525-0127 (TDD/TTY 711).

EDITORIAL NOTES

Age categories were changed from < 13 and 13-24 to < 15 and 15-24 due to changes in available population data.