



WASHINGTON STATE HIV SURVEILLANCE REPORT 2018 EDITION



DOH 150-030

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

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Figure 1. Living HIV Cases and Prevalence Rates by County, 2017

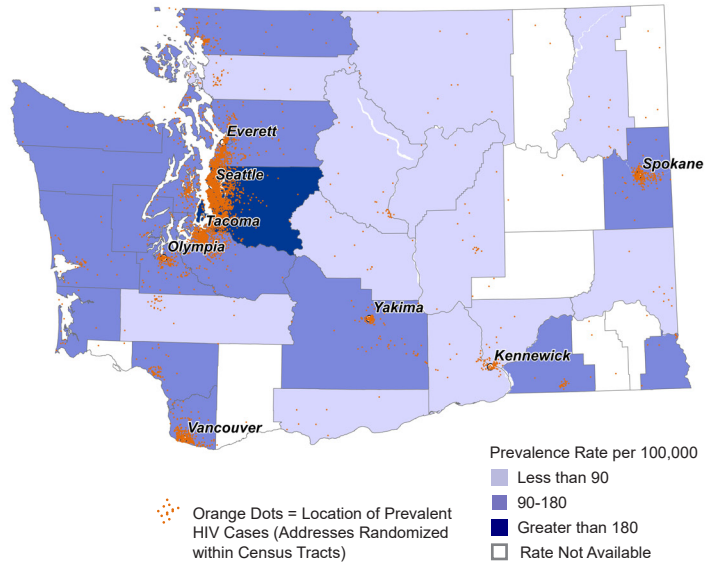
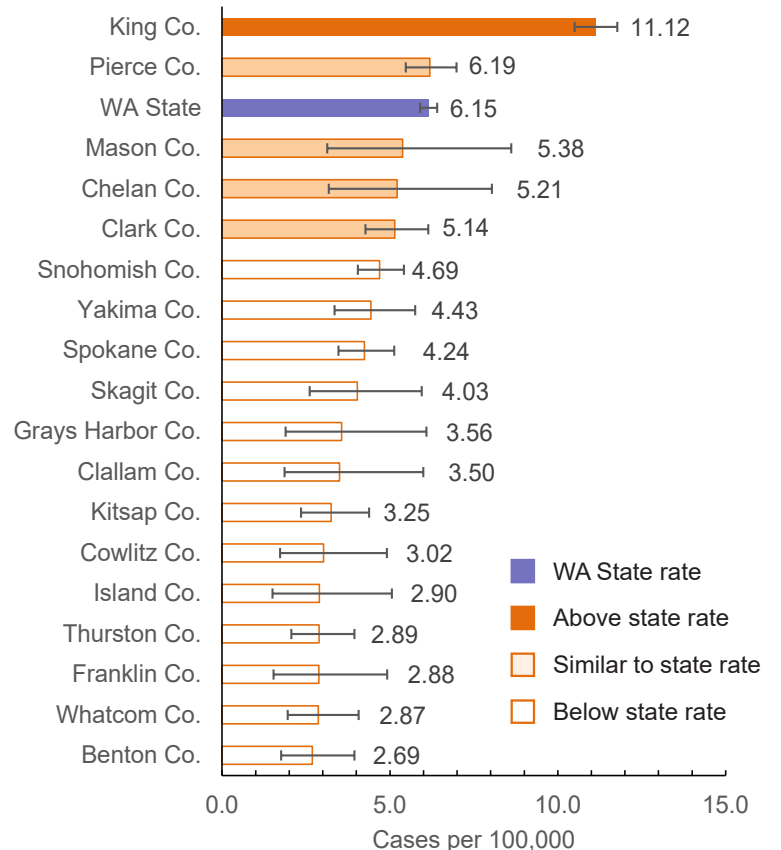


Figure 2. Average New HIV Case Rates by County of Residence, 2013-2017



HIV IN WASHINGTON: AN OVERVIEW

- In Washington, the first case of HIV infection was diagnosed in 1981.
- The number of new HIV cases in Washington (n=443 in 2017) has remained stable in recent years.
- By the end of 2017, over 14,000 people were estimated to be living with HIV across Washington State, of who approximately 91% have been diagnosed.
- Roughly three out of four living cases of HIV infection in Washington appear to be receiving optimal HIV medical care.



End AIDS Washington is a collaboration of community-based organizations, government agencies, and educational and research institutions working together to reduce new infections in Washington by 50% over the next five years.

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, 2017 and reported by June 30, 2018, 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 infections, 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 infection. 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

Infectious Disease Assessment Unit, Washington State Department of Health. Washington State HIV Surveillance Report, 2018 Edition.

ALTERNATIVE FORMATS

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

EDITORIAL NOTES

The 2017 statewide surveillance report contained an error and incorrect values were presented for care metrics among transgender women (Figure 16). We apologize for the error.

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: The age-adjusted rate of HIV deaths per 100,000 residents. Age-adjustment is a statistical process which allows rates from different communities to be compared in way that controls for differences between each population's age structure. This can also be called an age-adjusted mortality rate.

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 infection who has been diagnosed and reported to the health department while living in Washington. This report does not describe the results of anonymous HIV testing.

Case Fatality Rate: The rate of HIV deaths per 1,000 living HIV cases, usually within a calendar year.

Case Rate: The number of reported HIV cases (either new or living) divided by the estimated number of persons residing in a given area and presumed to be at risk for disease. In this report, rates are described as cases per 100,000 persons. Rates with a relative standard error equal to 30% or greater have been suppressed.

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.

Cisgender: Refers to a person whose gender identity is the same as the sex which was assigned to them at birth.

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.

Cumulative HIV Cases: The total number of new HIV cases ever diagnosed and reported, as of a specified point in time. Cumulative cases include persons who are both living and deceased.

Current Residence: see **Living HIV Case**

Foreign-born: Persons born outside the United States. If information about country of birth is missing, a case is presumed to be U.S.-born.

Heterosexual sex: Sex between a man and a woman. When gender of sex partner is unknown, this is the presumed mode of HIV exposure among sexually active women.

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 among resident, diagnosed cases of HIV infection.

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

HIV Incidence: A measure of disease frequency describing the number of people newly infected with HIV within a specified time period, often a calendar year. Since not all new HIV infections are diagnosed or reported, we can only estimate HIV incidence. New HIV cases are often used as a proxy measure of HIV incidence.

HIV Prevalence: A measure of disease frequency describing the number of persons living with HIV infection within a specified time period. Since not all persons living with HIV have been diagnosed or reported, we can only estimate HIV prevalence. Living HIV cases are often used as a proxy measure of HIV prevalence (i.e. reported prevalence).

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

DEFINITIONS (continued)

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 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 infection prior to diagnosis. DOH closely monitors the proportion of new HIV cases that are diagnosed late each year.

Linkage to Care: The proportion of new HIV cases who appear to have completed an HIV medical care visit within 30 days the date of their of HIV diagnosis, usually based on the report of HIV-related laboratory results. This is a key performance measure within the HIV care continuum.

Living HIV Case: A resident, diagnosed case of HIV infection within a specified time period. Living cases can include persons who were originally diagnosed while living outside Washington state. Living HIV cases are often used as a proxy measure of HIV prevalence. 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 'person living with diagnosed HIV infection.'

Male-male sex: The behavior of men having sex with other men. Condomless anal intercourse between men is the most common mode of HIV exposure in the U.S.

Men Having Sex with Men (MSM): In this report, refers to men who report any history of male-male sex since 1977.

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.

New HIV Case: A new case of HIV infection diagnosed while living in Washington state. New HIV cases include persons with and without AIDS. New HIV cases are often used as a proxy measure of HIV incidence.

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

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.

Transgender: Refers to a person whose gender identity is inconsistent with the sex which was assigned to them at birth. Transgender women who have sex with men (TSM) have higher risk for HIV infection compared to cisgender women.

Reporting Delay: This refers to the length of time between the dates when a case-related event occurs and when information about that event is reported to the health department. In Washington state, most HIV-related reporting delays are less than 3 months in length, but some last much longer.

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.'

STATISTICS: NEW HIV CASES

Table 1. New HIV Cases, including Late HIV Diagnoses and Linkage to Care, by Demographic and Risk Characteristics, WA State, 2017

	New HIV Cases			Late HIV Diagnoses*		Initial Linkage to HIV Care**	
	no.	column %	rate	no.	row %	no.	row %
Total	445	100%	6.1	107	24%	372	84%
Gender							
Male	341	77%	9.3	87	26%	276	81%
Female	96	22%	2.6	18	19%	87	91%
Transgender male	1	0%	n/a	n/a	n/a	n/a	n/a
Transgender female	7	2%	n/a	n/a	n/a	n/a	n/a
Age at HIV Diagnosis							
< 13	3	1%	n/a	n/a	n/a	n/a	n/a
13-24	62	14%	5.5	11	18%	53	85%
25-34	159	36%	15.6	23	14%	125	79%
35-44	84	19%	8.9	24	29%	70	83%
45-54	82	18%	8.6	26	32%	70	85%
55-64	44	10%	3.7	19	43%	39	89%
65+	11	2%	1.2	4	36%	11	100%
Race/ethnicity							
AI/AN [†]	6	1%	6.5	n/a	n/a	n/a	n/a
Asian	26	6%	4.3	10	38%	19	73%
Black	115	26%	42.7	29	25%	102	89%
Foreign-born ^α	76	17%	123.3	20	26%	70	92%
U.S.-born ^α	31	7%	15.6	6	19%	26	84%
Hispanic	92	21%	9.8	19	21%	74	80%
Foreign-born ^α	51	11%	17.1	13	25%	43	84%
U.S.-born ^α	31	7%	4.8	4	13%	26	84%
NHOPI [†]	3	1%	1.0	n/a	n/a	n/a	n/a
White	191	43%	3.8	44	23%	159	83%
Multiple	12	3%	3.9	3	25%	12	100%
Mode of Exposure							
MSM	238	53%	n/a	47	20%	196	82%
IDU	18	4%	n/a	4	22%	14	78%
MSM/IDU	25	6%	n/a	5	20%	18	72%
Heterosexual	51	11%	n/a	11	22%	45	88%
Blood/pediatric	6	1%	n/a	n/a	n/a	6	n/a
NIR	107	24%	n/a	39	36%	93	87%

Table based on HIV surveillance data reported to the WA State Department of Health as of June 30, 2018

* Late HIV diagnoses = AIDS diagnoses within 12 months of HIV diagnoses

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

[†] AI/AN = American Indian or Alaska Native, NHOPI = Native Hawaiian or Other Pacific Islander

^α Country of origin data are missing for approximately 10% of newly diagnosed cases.

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, 2017

County or Health District of Residence	New HIV Cases			Late HIV Diagnoses*		Initial Linkage to HIV Care**	
	no.	column %	rate	no.	row %	no.	row %
ADAMS CO.	0	0%	0.0	n/a	n/a	n/a	n/a
ASOTIN CO.	0	0%	0.0	n/a	n/a	n/a	n/a
BENTON CO.	3	1%	n/a	n/a	n/a	n/a	n/a
BENTON-FRANKLIN HD	5	1%	1.8	1	20%	3	60%
CHELAN CO.	2	0%	n/a	n/a	n/a	n/a	n/a
CHELAN-DOUGLAS HD	2	0%	n/a	n/a	n/a	n/a	n/a
CLALLAM CO.	2	0%	n/a	n/a	n/a	n/a	n/a
CLARK CO.	31	7%	6.6	9	29%	27	87%
COLUMBIA CO.	1	0%	n/a	n/a	n/a	n/a	n/a
COWLITZ CO.	5	1%	n/a	1	20%	3	60%
DOUGLAS CO.	1	0%	n/a	n/a	n/a	n/a	n/a
FERRY CO.	0	0%	0.0	n/a	n/a	n/a	n/a
FRANKLIN CO.	2	0%	n/a	n/a	n/a	n/a	n/a
GARFIELD CO.	0	0%	0.0	n/a	n/a	n/a	n/a
GRANT CO.	0	0%	0.0	n/a	n/a	n/a	n/a
GRAYS HARBOR CO.	4	1%	n/a	n/a	n/a	n/a	n/a
ISLAND CO.	3	1%	n/a	n/a	n/a	n/a	n/a
JEFFERSON CO.	0	0%	0.0	n/a	n/a	n/a	n/a
KING CO.	220	49%	10.2	49	22%	188	85%
KITSAP CO.	10	2%	3.8	n/a	n/a	n/a	n/a
KITTITAS CO.	1	0%	n/a	n/a	n/a	n/a	n/a
KLICKITAT CO.	1	0%	n/a	n/a	n/a	n/a	n/a
LEWIS CO.	0	0%	0.0	n/a	n/a	n/a	n/a
LINCOLN CO.	1	0%	n/a	n/a	n/a	n/a	n/a
MASON CO.	4	1%	n/a	n/a	n/a	n/a	n/a
NE TRI-COUNTY HD	0	0%	0.0	n/a	n/a	n/a	n/a
OKANOGAN CO.	0	0%	0.0	n/a	n/a	n/a	n/a
PACIFIC CO.	0	0%	0.0	n/a	n/a	n/a	n/a
PEND OREILLE CO.	0	0%	0.0	n/a	n/a	n/a	n/a
PIERCE CO.	49	11%	5.7	12	24%	41	84%
SAN JUAN CO.	1	0%	n/a	n/a	n/a	n/a	n/a
SKAGIT CO.	1	0%	n/a	n/a	n/a	n/a	n/a
SKAMANIA CO.	0	0%	0.0	n/a	n/a	n/a	n/a
SNOHOMISH CO.	34	8%	4.3	9	26%	27	79%
SPOKANE CO.	25	6%	5.0	7	28%	19	76%
STEVENS CO.	0	0%	0.0	n/a	n/a	n/a	n/a
THURSTON CO.	9	2%	n/a	2	22%	8	89%
WAHKIAKUM CO.	0	0%	0.0	n/a	n/a	n/a	n/a
WALLA WALLA CO.	3	1%	n/a	n/a	n/a	n/a	n/a
WHATCOM CO.	8	2%	3.7	1	13%	6	75%
WHITMAN CO.	0	0%	0.0	n/a	n/a	n/a	n/a
YAKIMA CO.	24	5%	9.5	6	25%	19	79%
TOTAL	445	100%	6.1	107	24%	372	84%

Table based on HIV surveillance data reported to the WA State Department of Health as of June 30, 2018

* Late HIV diagnoses = AIDS diagnoses within 12 months of HIV diagnoses

** 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, 2012-2017

	2012	2013	2014	2015	2016	2017	2013-2017			
	no.	no.	no.	no.	no.	no.	total no.	avg. no.	%	rate
Total	511	456	448	461	438	445	2248	450	100%	6.3
Gender										
Male	419	378	368	382	337	341	1806	361	80%	9.9
Female	87	72	75	74	97	96	414	83	18%	2.3
Transgender male	0	1	2	0	0	1	4	1	0%	n/a
Transgender female	5	5	3	5	4	7	24	5	1%	n/a
Age at HIV Diagnosis										
< 13	8	8	4	4	3	3	22	4	1%	0.4
13-24	81	74	67	72	71	62	346	69	15%	6.1
25-34	158	132	137	166	137	159	731	146	32%	14.3
35-44	132	129	111	104	94	84	522	104	23%	15.5
45-54	89	84	92	76	75	82	409	82	18%	8.6
55-64	41	26	25	33	43	44	171	34	8%	2.9
65+	2	3	12	6	15	11	47	9	2%	1.1
Race/ethnicity										
AI/AN*	5	3	6	5	9	6	29	6	1%	6.3
Asian	29	24	39	35	35	26	159	32	7%	5.3
Black	94	88	97	93	91	115	484	97	22%	35.9
Foreign-born**	51	45	53	41	50	76	265	53	12%	86.0
U.S.-born*	39	37	36	43	32	31	179	36	8%	18.0
Hispanic	64	79	64	90	74	92	399	80	18%	8.5
Foreign-born**	37	43	42	52	44	50	231	46	10%	15.5
U.S.-born*	17	27	15	24	25	31	122	24	5%	3.8
NHOPI*	6	5	5	3	4	3	20	4	1%	1.3
White	284	245	225	223	205	191	1089	218	48%	4.3
Multiple	29	12	12	12	20	12	68	14	3%	4.4
Mode of Exposure										
MSM	284	268	251	276	223	238	1256	251	56%	n/a
IDU	22	20	23	36	29	18	126	25	6%	n/a
MSM/IDU	42	33	29	22	27	25	136	27	6%	n/a
Heterosexual	40	37	45	45	62	51	240	48	11%	n/a
Blood/pediatric	3	5	4	4	5	6	24	5	1%	n/a
NIR	120	93	96	78	92	107	466	93	21%	n/a

Table based on HIV surveillance data reported to the WA State Department of Health as of June 30, 2018

* AI/AN = American Indian or Alaska Native, NHOPI = Native Hawaiian or Other Pacific Islander

** Country of origin data are missing for approximately 10% of newly diagnosed cases.

STATISTICS: NEW HIV CASES (continued)

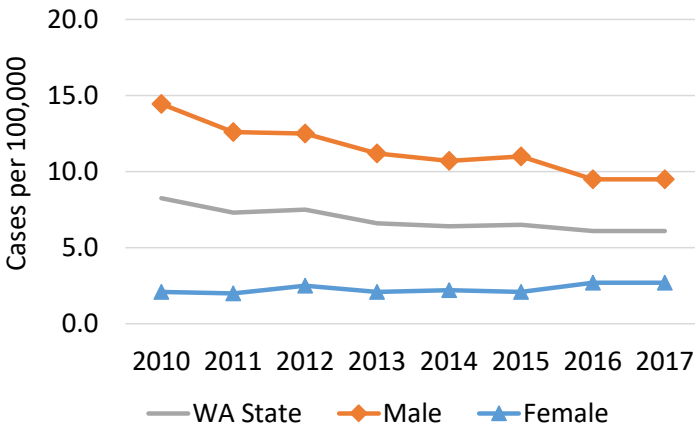
Table 4. New HIV Case Counts over Time, by County and Health District (HD) of Residence at HIV Diagnosis, WA State, 2012-2017

County and Health District of Residence	2012	2013	2014	2015	2016	2017	2013-2017			
	no.	no.	no.	no.	no.	no.	total no.	avg. no.	%	rate
ADAMS CO.	0	0	0	1	0	0	1	0	0%	n/a
ASOTIN CO.	0	1	0	1	0	0	2	0	0%	n/a
BENTON CO.	5	7	8	1	7	3	26	5	1%	2.7
BENTON-FRANKLIN HD	7	7	9	6	12	5	39	8	2%	2.7
CHELAN CO.	3	3	4	5	6	2	20	4	1%	5.2
CHELAN-DOUGLAS HD	3	5	4	8	6	3	26	5	1%	4.4
CLALLAM CO.	4	3	1	4	3	2	13	3	1%	3.5
CLARK CO.	26	25	23	21	21	31	121	24	5%	5.1
COLUMBIA CO.	0	0	0	0	0	1	1	0	0%	n/a
COWLITZ CO.	5	1	5	2	3	5	16	3	1%	3.0
DOUGLAS CO.	0	2	0	3	0	1	6	1	0%	n/a
FERRY CO.	0	0	1	0	0	0	1	0	0%	n/a
FRANKLIN CO.	2	0	1	5	5	2	13	3	1%	2.9
GARFIELD CO.	0	0	0	0	0	0	0	0	0%	n/a
GRANT CO.	3	0	0	0	0	0	0	0	0%	n/a
GRAYS HARBOR CO.	7	1	3	4	1	4	13	3	1%	3.6
ISLAND CO.	3	4	2	1	2	3	12	2	1%	2.9
JEFFERSON CO.	1	1	2	1	2	0	6	1	0%	n/a
KING CO.	288	251	273	236	217	220	1197	239	53%	11.1
KITSAP CO.	11	7	6	10	9	10	42	8	2%	3.2
KITTITAS CO.	0	2	1	1	1	1	6	1	0%	n/a
KLICKITAT CO.	1	0	0	0	0	1	1	0	0%	n/a
LEWIS CO.	1	1	1	1	0	0	3	1	0%	n/a
LINCOLN CO.	0	0	0	0	1	1	2	0	0%	n/a
MASON CO.	9	3	1	5	4	4	17	3	1%	5.4
NE TRI-COUNTY HD	0	2	1	1	1	0	5	1	0%	n/a
OKANOGAN CO.	3	0	0	0	1	0	1	0	0%	n/a
PACIFIC CO.	2	0	1	0	0	0	1	0	0%	n/a
PEND OREILLE CO.	0	0	0	1	0	0	1	0	0%	n/a
PIERCE CO.	51	59	44	68	46	49	266	53	12%	6.2
SAN JUAN CO.	0	2	0	0	0	1	3	1	0%	n/a
SKAGIT CO.	4	9	5	1	9	1	25	5	1%	4.0
SKAMANIA CO.	0	0	1	1	0	0	2	0	0%	n/a
SNOHOMISH CO.	39	28	35	40	48	34	185	37	8%	4.7
SPOKANE CO.	25	22	9	24	27	25	107	21	5%	4.3
STEVENS CO.	0	2	0	0	1	0	3	1	0%	n/a
THURSTON CO.	4	8	5	8	10	9	40	8	2%	2.9
WAHKIAKUM CO.	0	0	1	0	0	0	1	0	0%	n/a
WALLA WALLA CO.	3	0	0	0	1	3	4	1	0%	n/a
WHATCOM CO.	4	8	5	8	2	8	31	6	1%	2.9
WHITMAN CO.	0	0	1	2	0	0	3	1	0%	n/a
YAKIMA CO.	7	6	9	6	11	24	56	11	2%	4.4
TOTAL	511	456	448	461	438	445	2248	450	100%	6.2

Table based on HIV surveillance data reported to the WA State Department of Health as of June 30, 2018

STATISTICS: NEW HIV CASES (continued)

Figure 3. New HIV Case Rates by Gender,* WA State, 2010-2017



*transgender rates not available due to small case counts

Figure 4. New HIV Case Rates by Age at Diagnosis, WA State, 2010-2017

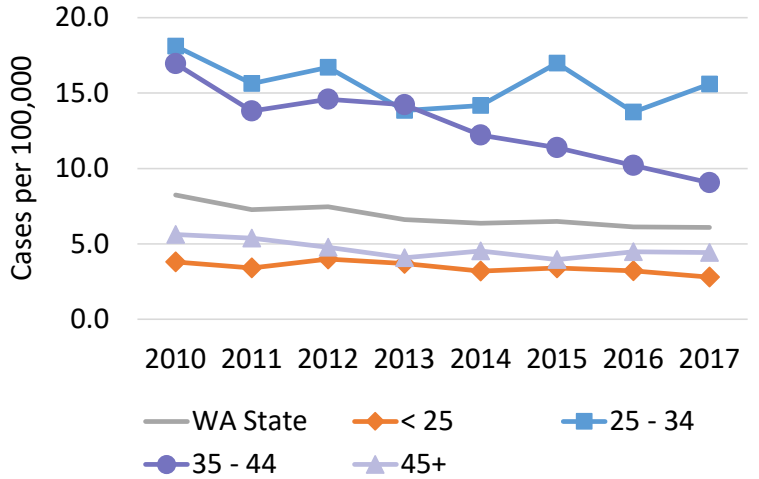


Figure 5. New HIV Case Rates by Race/ethnicity, WA State, 2010-2017

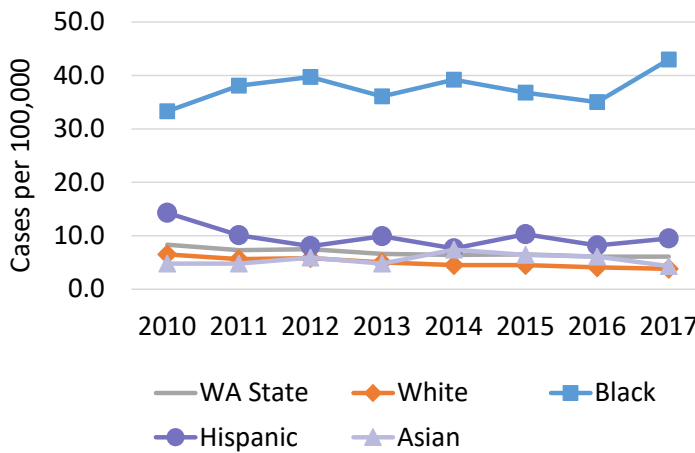


Figure 6. New HIV Case Rates among Black Persons by Nativity, WA State, 2010-2017

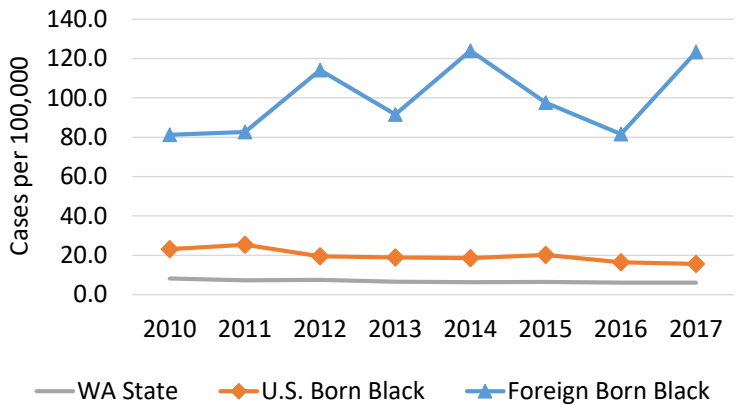


Figure 7. New HIV Case Rates among Hispanic Persons by Nativity, WA State, 2010-2017

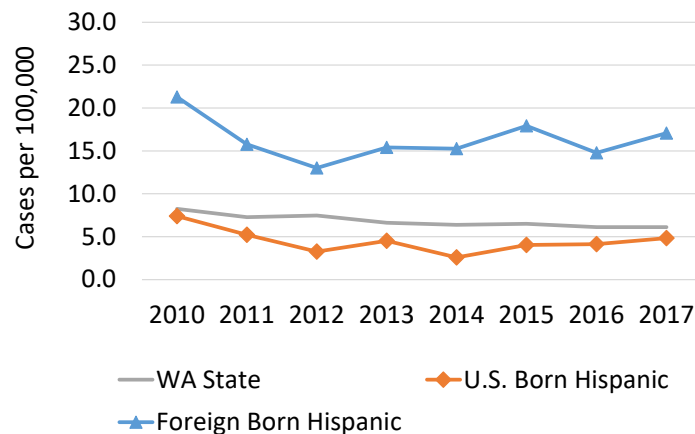
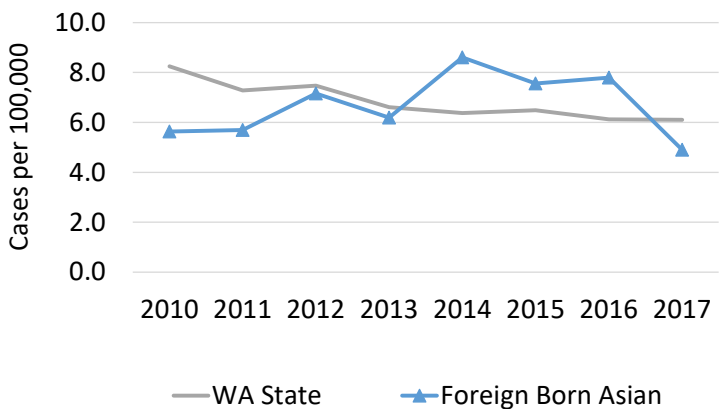


Figure 8. New HIV Case Rates among Asian Persons by Nativity, WA State, 2010-2017



*U.S. born Asian rates not available due to small case counts

STATISTICS: NEW HIV CASES (continued)

Table 5. New Cases of HIV Infection, by Current Gender*, Race/Ethnicity, and HIV Exposure Category, WA State, 2013-2017

Exposure Category	White		Black		Hispanic		Asian		Other		
	No.	%	No.	%	No.	%	No.	%	No.	%	
Male	Male / Male Sex (MSM)	684	72%	144	51%	251	72%	94	70%	65	71%
	Injecting Drug Use (IDU)	45	5%	9	3%	14	4%	1	1%	3	3%
	MSM and IDU	97	10%	5	2%	18	5%	0	0%	12	13%
	Heterosexual Contact	15	2%	15	5%	12	3%	3	2%	2	2%
	Pediatric	4	0%	10	4%	0	0%	0	0%	0	0%
	Transfusion / Hemophiliac	0	0%	0	0%	0	0%	0	0%	0	0%
	No Identified Risk	105	11%	97	35%	54	15%	37	27%	10	11%
	Total Male	950	100%	280	100%	349	100%	135	100%	92	100%
Female	Injecting Drug Use (IDU)	43	33%	1	1%	2	5%	1	5%	7	33%
	Heterosexual Contact	30	23%	30	15%	10	23%	3	14%	5	24%
	Pediatric	1	1%	9	5%	0	0%	2	10%	0	0%
	Transfusion / Hemophiliac	0	0%	0	0%	0	0%	0	0%	0	0%
	No Identified Risk	55	43%	160	80%	31	72%	15	71%	9	43%
	Total Female	129	100%	200	100%	43	100%	21	100%	21	100%
Transgender Female	Total		No.		No.		No.		No.		
	Male sex partner	18	75%	-	-	-	-	-	-	-	
	Male sex partner and IDU	4	17%	-	-	-	-	-	-	-	
	Other	0	0%	-	-	-	-	-	-	-	
	No Identified Risk	2	8%	-	-	-	-	-	-	-	
Total Transgender Female	24	100%	-	-	-	-	-	-	-		

Table based on HIV surveillance data reported to the WA State Department of Health as of June 30, 2018

* Due to the small number of HIV cases reported as transgender, not all stratification is possible

Figure 9. New HIV Case Rates, WA State, 2007-2017

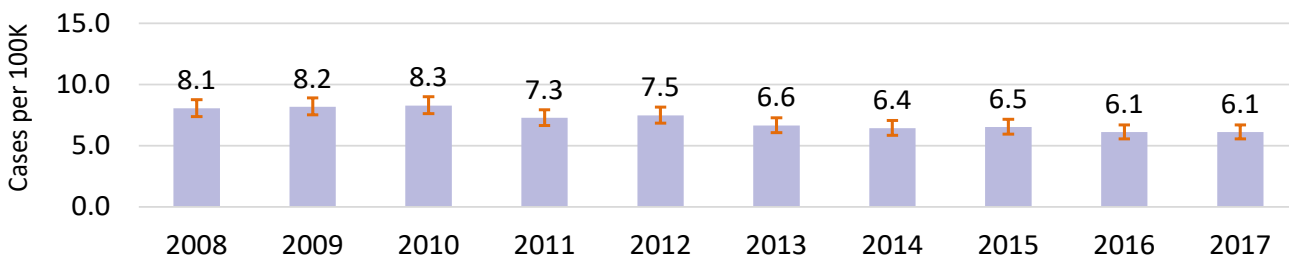
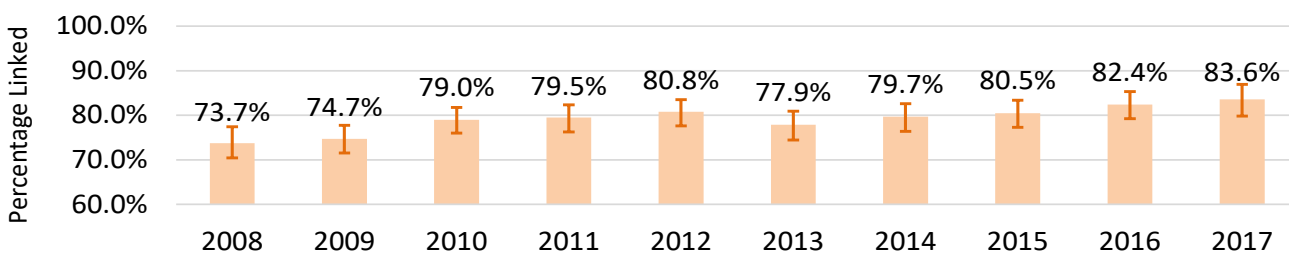


Figure 10. Linkage to Care among New HIV Cases, WA State, 2007-2017



STATISTICS: LIVING HIV CASES

Table 6. Living Cases of HIV Infection, including Engagement in Care and Viral Load Suppression, by Demographic and Risk Characteristics, WA State, 2017

	Living Cases of HIV Infection			Engaged in Care*		Suppressed Viral Load**	
	no.	column %	rate	no.	row %	no.	row %
Total	12933	100%	176.9	11489	89%	10395	80%
Gender							
Male	10906	84%	299.0	9684	89%	8814	81%
Female	1911	15%	52.2	1697	89%	1487	78%
Transgender male	9	0%	n/a	n/a	n/a	n/a	n/a
Transgender female	107	1%	n/a	99	93%	87	81%
Current Age							
< 13	41	0%	3.4	39	95%	38	93%
13-24	285	2%	25.3	249	87%	195	68%
25-34	1724	13%	169.1	1459	85%	1225	71%
35-44	2607	20%	277.5	2287	88%	2019	77%
45-54	4142	32%	436.8	3682	89%	3375	81%
55-64	3090	24%	260.3	2813	91%	2631	85%
65+	1044	8%	116.7	960	92%	912	87%
Race/ethnicity							
AI/AN [†]	141	1%	152.6	126	89%	109	77%
Asian	449	3%	75.0	401	89%	372	83%
Black	2122	16%	787.2	1858	88%	1614	76%
Foreign-born ^α	836	6%	1356.3	754	90%	697	83%
U.S.-born ^α	1200	9%	605.0	1037	86%	858	72%
Hispanic	1772	14%	189.6	1545	87%	1393	79%
Foreign-born ^α	906	7%	303.3	787	87%	716	79%
U.S.-born ^α	728	6%	113.7	643	88%	569	78%
NHOPI [†]	61	0%	19.7	55	90%	47	77%
White	7678	59%	151.9	6863	89%	6292	82%
Multiple	703	5%	227.1	634	90%	561	80%
Mode of Exposure							
MSM	8001	62%	n/a	7162	90%	6606	83%
IDU	747	6%	n/a	636	85%	533	71%
MSM/IDU	1174	9%	n/a	1058	90%	905	77%
Heterosexual	1577	12%	n/a	1396	89%	1247	79%
Blood/pediatric	178	1%	n/a	160	90%	139	78%
NIR	1256	10%	n/a	1077	86%	965	77%

Table based on HIV surveillance data reported to the WA State Department of Health as of June 30, 2018

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

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

[†] AI/AN = American Indian or Alaska Native, NHOPI = Native Hawaiian or Other Pacific Islander

^α Country of origin data are missing for approximately 10% of newly diagnosed cases.

STATISTICS: LIVING HIV CASES (continued)

Table 7. Living Cases of HIV Infection, including Engagement in Care and Viral Load Suppression, by County and Health District (HD) of Current Residence, WA State, 2017

County or Health District of Residence	Living Cases of HIV				Suppressed Viral Load**			
	Infection, 2016			Engaged in Care*		Load**		
	no.	column %	rate	no.	row %	no.	row %	
ADAMS CO.	10	0%	n/a	7	70%	5	50%	
ASOTIN CO.	21	0%	94.2	17	81%	16	76%	
BENTON CO.	131	1%	67.7	114	87%	107	82%	
BENTON-FRANKLIN HD	146	1%	51.4	125	86%	115	79%	
CHELAN CO.	55	0%	71.6	42	76%	36	65%	
CHELAN-DOUGLAS HD	70	1%	59.2	53	76%	44	63%	
CLALLAM CO.	71	1%	95.6	66	93%	58	82%	
CLARK CO.	658	5%	139.7	550	84%	484	74%	
COLUMBIA CO.	7	0%	n/a	6	86%	5	n/a	
COWLITZ CO.	134	1%	126.5	118	88%	106	79%	
DOUGLAS CO.	15	0%	36.2	11	73%	8	53%	
FERRY CO.	3	0%	n/a	n/a	n/a	n/a	n/a	
FRANKLIN CO.	74	1%	81.9	67	91%	61	82%	
GARFIELD CO.	3	0%	n/a	n/a	n/a	n/a	n/a	
GRANT CO.	39	0%	40.8	32	82%	28	72%	
GRAYS HARBOR CO.	88	1%	120.6	76	86%	66	75%	
ISLAND CO.	84	1%	101.5	77	92%	70	83%	
JEFFERSON CO.	41	0%	130.7	39	95%	36	88%	
KING CO.	6907	53%	320.7	6219	90%	5676	82%	
KITSAP CO.	309	2%	116.9	279	90%	256	83%	
KITTITAS CO.	27	0%	60.4	25	93%	24	89%	
KLICKITAT CO.	14	0%	64.6	12	86%	11	79%	
LEWIS CO.	60	0%	77.5	54	90%	50	83%	
LINCOLN CO.	9	0%	n/a	6	67%	6	67%	
MASON CO.	62	0%	98.1	50	81%	46	74%	
NE TRI-COUNTY HD	36	0%	54.9	28	78%	27	75%	
OKANOGAN CO.	22	0%	52.2	16	73%	14	64%	
PACIFIC CO.	25	0%	117.6	17	68%	15	60%	
PEND OREILLE CO.	11	0%	n/a	8	73%	8	73%	
PIERCE CO.	1380	11%	160.6	1177	85%	1056	77%	
SAN JUAN CO.	18	0%	109.0	18	100%	17	94%	
SKAGIT CO.	92	1%	74.1	79	86%	70	76%	
SKAMANIA CO.	6	0%	n/a	n/a	n/a	n/a	n/a	
SNOHOMISH CO.	1063	8%	134.7	963	91%	885	83%	
SPOKANE CO.	601	5%	120.3	530	88%	456	76%	
STEVENS CO.	22	0%	49.4	17	77%	17	77%	
THURSTON CO.	305	2%	110.1	269	88%	235	77%	
WAHIAKUM CO.	4	0%	n/a	n/a	n/a	n/a	n/a	
WALLA WALLA CO.	56	0%	91.2	50	89%	44	79%	
WHATCOM CO.	237	2%	109.6	217	92%	197	83%	
WHITMAN CO.	23	0%	47.3	21	91%	20	87%	
YAKIMA CO.	246	2%	97.2	227	92%	196	80%	
TOTAL	12933	100%	176.9	11489	89%	10395	80%	

Table based on HIV surveillance data reported to the WA State Department of Health as of June 30, 2018

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

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

STATISTICS: LIVING HIV CASES (continued)

Table 8. Living Cases of HIV Infection, by Current Gender*, Race/Ethnicity, and HIV Exposure Category, WA State, 2017

Gender	Exposure Category	White		Black		Hispanic		Asian		Other	
		No.	%	No.	%	No.	%	No.	%	No.	%
Male	Male / Male Sex (MSM)	5,341	77%	699	52%	1,114	73%	260	70%	511	68%
	Injecting Drug Use (IDU)	282	4%	84	6%	48	3%	6	2%	36	5%
	MSM and IDU	795	12%	99	7%	134	9%	10	3%	115	15%
	Heterosexual Contact	114	2%	3	0%	68	4%	12	3%	35	5%
	Pediatric	16	0%	32	2%	4	0%	1	0%	4	1%
	Transfusion / Hemophiliac	28	0%	151	11%	3	0%	0	0%	2	0%
	No Identified Risk	336	5%	279	21%	157	10%	80	22%	47	6%
	Total Male	6,912	100%	1,347	100%	1,528	100%	369	100%	750	100%
Female	Injecting Drug Use (IDU)	181	25%	44	6%	21	10%	2	3%	39	26%
	Heterosexual Contact	441	61%	468	62%	148	70%	49	65%	88	59%
	Pediatric	16	2%	44	6%	6	3%	2	3%	2	1%
	Transfusion / Hemophiliac	4	1%	7	1%	1	0%	1	1%	1	1%
	No Identified Risk	76	11%	193	26%	36	17%	21	28%	20	13%
	Total Female	718	100%	756	100%	212	100%	75	100%	150	100%
Transgender Female	Male sex partner	27	64%	16	89%	22	69%	4	80%	7	70%
	Male sex partner and IDU	10	24%	1	6%	7	22%	1	20%	2	20%
	Other	2	5%	0	0%	2	6%	0	0%	0	0%
	No Identified Risk	3	7%	1	6%	1	3%	0	0%	1	10%
	Total Transgender Female	42	100%	18	100%	32	100%	5	100%	10	100%

Table based on HIV surveillance data reported to the WA State Department of Health as of June 30, 2018

* Due to the small number HIV cases reported as transgender male, stratification is not possible.

Figure 11. Living HIV Case Rates, WA State, 2008-2017

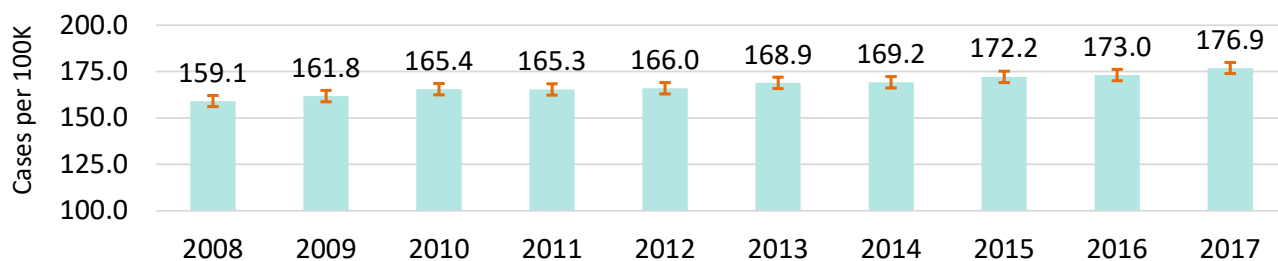
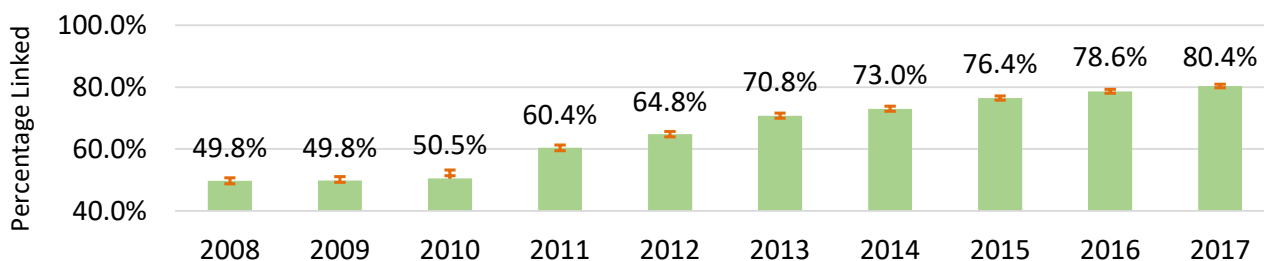


Figure 12. Virologic Suppression among Living HIV Cases, WA State, 2008-2017



STATISTICS: AIDS CASES AND DEATHS

Table 9. New AIDS Cases and Deaths among Cases of HIV Infection, by Demographic and Risk Characteristics, WA State, 1982-2017

	New AIDS Cases, 2017*			Deaths among Cases of HIV Infection					
				2016				1982-2016	
	no.	column %	crude rate	no.	column %	age-adjusted rate (per 100K)	case fatality rate (per 1000)	no.	column %
Total	184	100%	2.5	164	100%	2.0	12.7	8043	100%
Gender									
Male	149	81%	4.1	148	90%	4.1	13.6	7347	91%
Female	32	17%	0.9	15	9%	0.4	7.8	678	8%
Transgender male	0	0%	0.0	0	0%	0.0	0.0	0	0%
Transgender female	3	2%	n/a	1	1%	n/a	9.3	18	0%
Current Age									
< 13	0	0%	0.0	0	0%	0.0	0.0	19	0%
13-24	13	7%	1.2	2	1%	n/a	7.0	100	1%
25-34	47	26%	4.6	7	4%	0.7	4.1	1722	21%
35-44	36	20%	3.8	17	10%	1.8	6.5	3004	37%
45-54	48	26%	5.1	49	30%	5.2	11.8	1928	24%
55-64	31	17%	2.6	47	29%	4.0	15.2	895	11%
65+	9	5%	n/a	42	26%	4.7	40.2	375	5%
Race/ethnicity									
AI/AN [†]	6	3%	n/a	3	2%	n/a	21.3	126	2%
Asian	13	7%	2.2	0	0%	n/a	0.0	91	1%
Black	40	22%	14.8	14	9%	5.2	6.6	755	9%
Foreign-born ^α	22	12%	35.7	3	2%	n/a	3.6	66	1%
U.S.-born ^α	15	8%	7.6	11	7%	n/a	9.2	678	8%
Hispanic	29	16%	3.1	16	10%	1.7	9.0	510	6%
Foreign-born ^α	18	10%	6.0	7	4%	n/a	7.7	182	2%
U.S.-born ^α	9	5%	n/a	9	5%	n/a	12.4	299	4%
NHOPI [†]	1	1%	n/a	1	1%	n/a	16.4	17	0%
White	85	46%	1.7	116	71%	2.3	15.1	6284	78%
Multiple	10	5%	n/a	14	9%	4.5	19.9	258	3%
Mode of Exposure									
MSM	86	47%	n/a	98	60%	n/a	12.2	5181	64%
IDU	11	6%	n/a	27	16%	n/a	36.1	894	11%
MSM/IDU	12	7%	n/a	13	8%	n/a	11.1	861	11%
Heterosexual	26	14%	n/a	11	7%	n/a	7.0	458	6%
Blood/pediatric	1	1%	n/a	0	0%	n/a	0.0	184	2%
NIR	48	26%	n/a	15	9%	n/a	11.9	465	6%

Table based on HIV surveillance data reported to the WA State Department of Health as of June 30, 2018

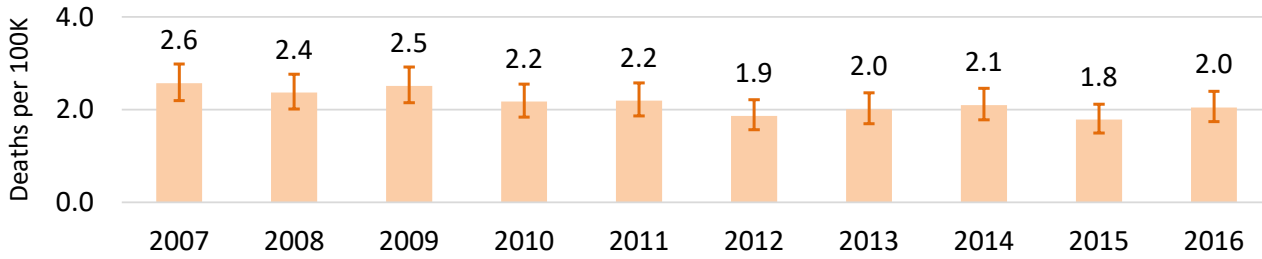
[†] AI/AN = American Indian or Alaska Native, NHOPI = Native Hawaiian or Other Pacific Islander

^α Country of origin data are missing for approximately 10% of newly diagnosed cases.

*Includes new cases concurrently diagnosed with both HIV and AIDS, as well as HIV cases that progressed to AIDS

STATISTICS: AIDS CASES AND DEATHS (continued)

Figure 13. Age-Adjusted HIV Death Rates, WA State, 2007-2016



STATISTICS: HIV CARE CONTINUA

Figure 14. HIV Care Continuum, WA State, 2017

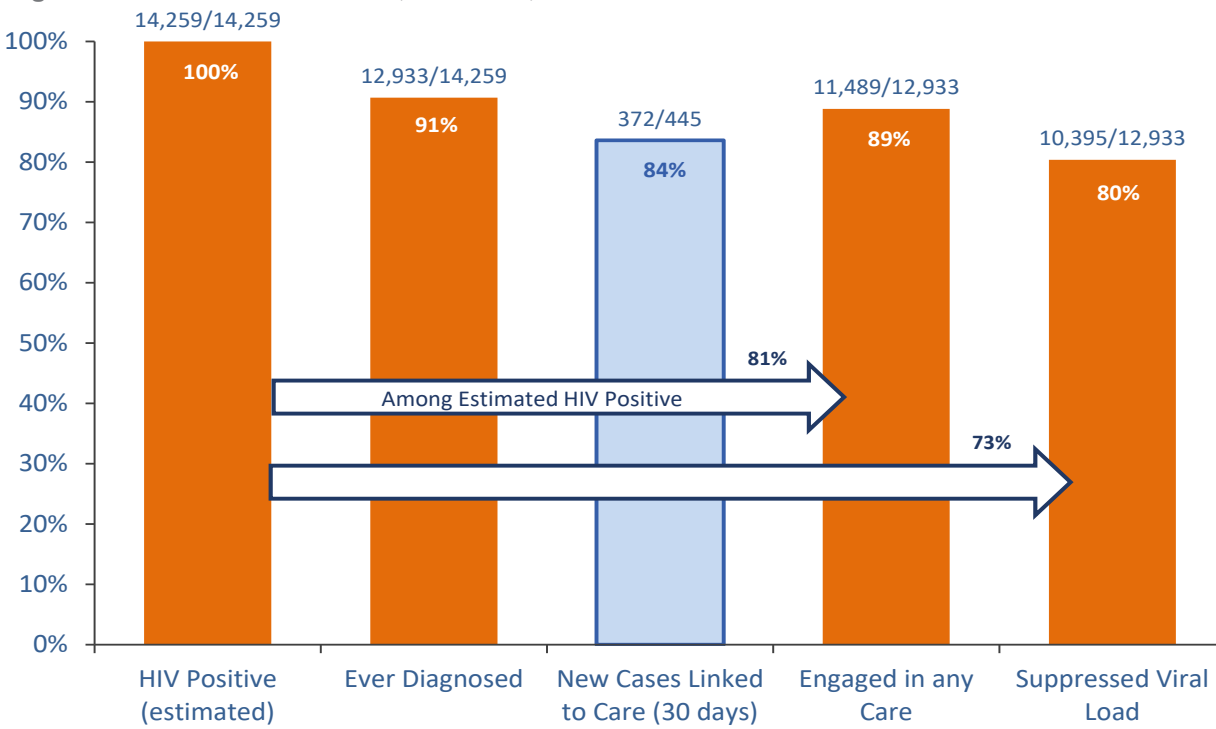
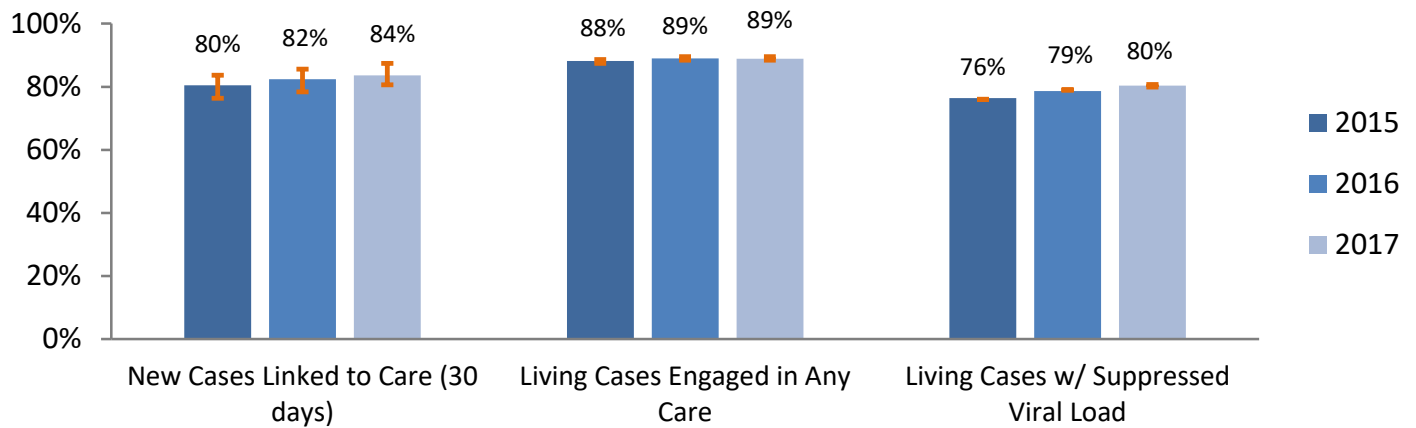


Figure 15. Statewide HIV Care Outcomes over Time, WA State, 2015-2017



STATISTICS: HIV CARE CONTINUA FOR END AIDS WASHINGTON PRIORITY POPULATIONS

Figure 16. HIV Care Outcomes over Time among Transgender Women Diagnosed and Living with HIV, WA State, 2015-2017

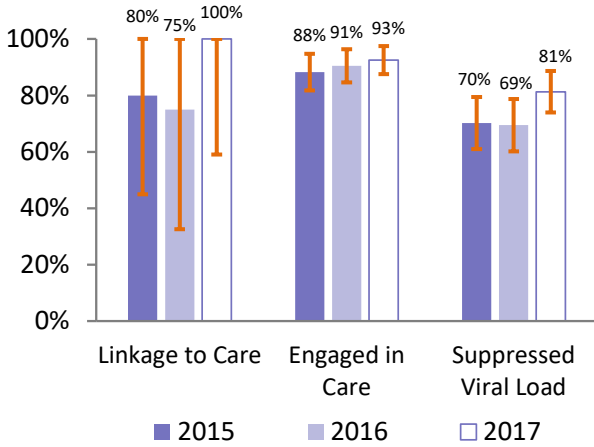


Figure 17. HIV Care Outcomes over Time among Young Adults (Ages 18-29) Diagnosed and Living with HIV, WA State, 2015-2017

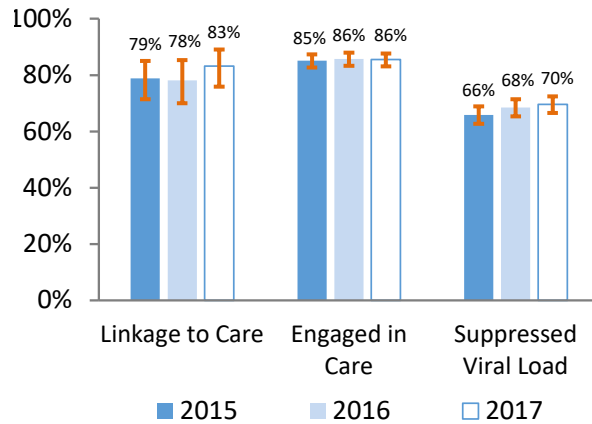


Figure 18. HIV Care Outcomes over Time among U.S.-Born Black Persons Diagnosed and Living with HIV, WA State, 2015-2017

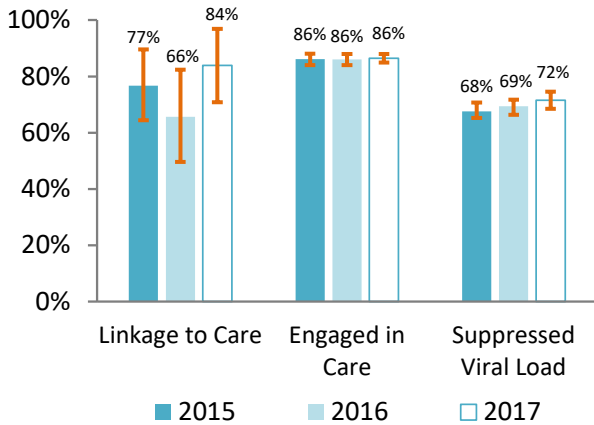


Figure 19. HIV Care Outcomes over Time among Foreign-Born Black Persons Diagnosed and Living with HIV, WA State, 2015-2017

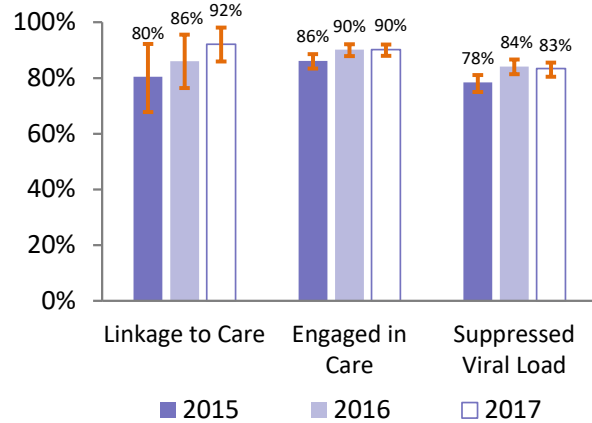


Figure 20. HIV Care Outcomes over Time among Foreign-Born Hispanic Persons Diagnosed and Living with HIV, WA State, 2015-2017

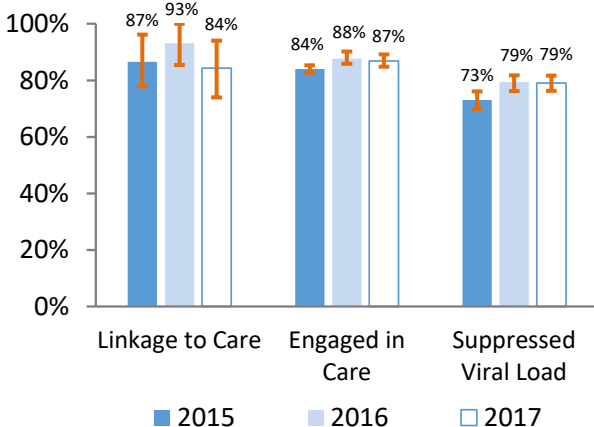
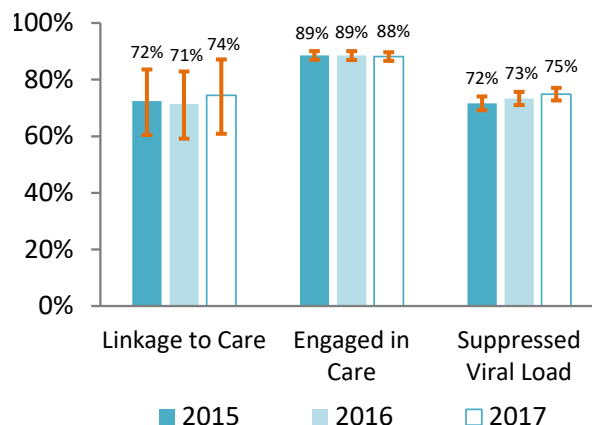


Figure 21. HIV Care Outcomes over Time among Persons Who Inject Drugs and are Diagnosed and Living with HIV, WA State, 2015-2017



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