



WASHINGTON STATE HIV SURVEILLANCE QUARTERLY REPORT 3rd QUARTER 2012

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

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Publication Schedule: This report reflects events occurring through December 31, 2011 and reported by September 30, 2012, unless otherwise stated. Reports are published four times a year.

HIV IN WASHINGTON: AN OVERVIEW

- In Washington, the first case of AIDS was diagnosed in 1982.
- More than 18,000 people in Washington have been diagnosed with HIV disease. Over 5,000 people have died as a result of the disease.
- Recently, the number of new HIV cases in Washington has remained steady: about 550 new cases per year, on average.
- Treatment for HIV disease is both effective and widely available. Most people with HIV survive long after diagnosis.
- By the end of 2011, more than 11,000 people were reported to be living with HIV across Washington State.

Figure 1. Average HIV Rates by County, 2007-2011

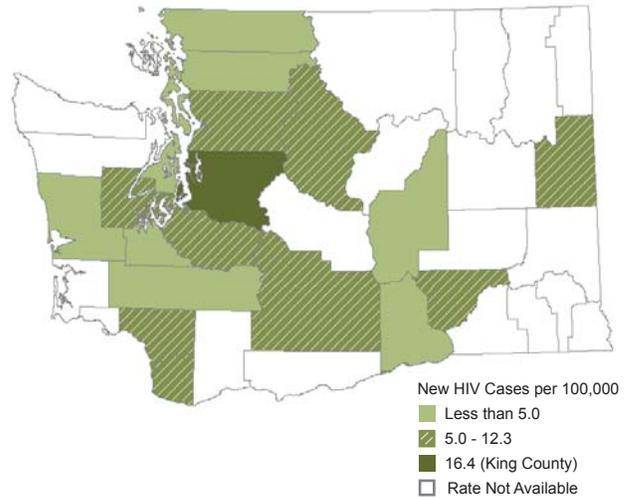


Figure 2. New HIV Cases, AIDS Cases, and Deaths from HIV or AIDS, 2002-2011

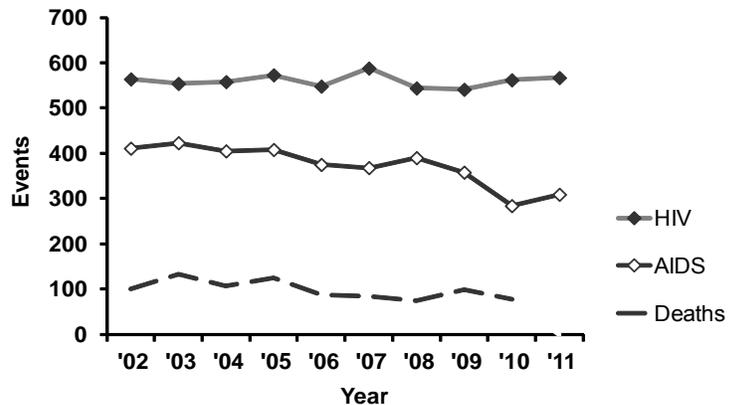
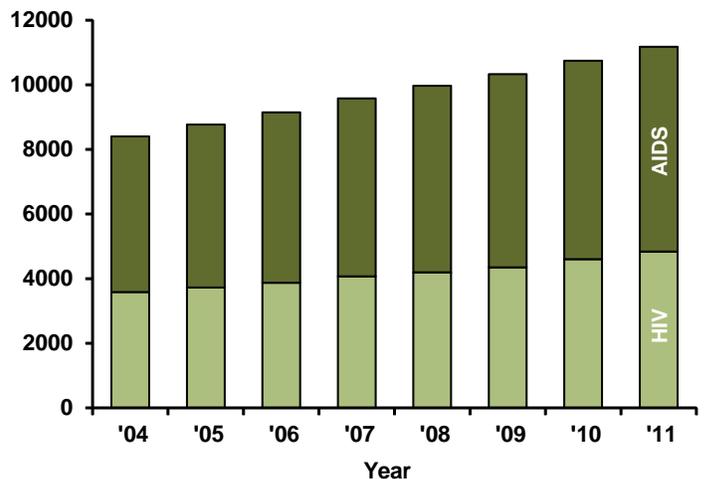


Figure 3. Living Cases of HIV Disease, 2004-2011



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 copy of this report, please contact:

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DEVELOPMENTS

State to Strengthen Viral Hepatitis Surveillance, Testing and Linkage to Care

The Washington State Department of Health (DOH) has recently been awarded funds from the U.S. Centers for Disease Control and Prevention (CDC) aimed at enhancing our response to the "silent" epidemic of viral hepatitis at both the state and national level. The grant will support prevention and surveillance activities over a three-year time period.

Using a service integration approach, grant-supported prevention activities will work to enhance viral hepatitis awareness, screening, and linkage to care using a network of existing HIV and STD prevention providers, including syringe exchange programs and community-based organizations that serve at-risk cultural minority groups. DOH will conduct statewide trainings that enhance provider awareness and knowledge about viral hepatitis, testing, counseling, linkage to care and integration of services. Capacity to perform rapid hepatitis C virus (HCV) testing will be further enhanced by DOH's distribution of testing kits among select providers serving clients who are at particularly high risk of HCV. To further promote prevention of viral hepatitis, DOH will distribute hepatitis B virus (HBV) vaccine among select providers serving those at particular risk of HBV. Prevention activities will be monitored and evaluated on an ongoing basis using data collected from service providers through an innovative web-based portal.

The new grant will also expand and improve hepatitis surveillance activities in several ways. First, DOH will develop an automated system for integrating laboratory data with case-based surveillance data. With a design that is similar to the recently developed HIV LabTracker system, this new laboratory data system will trigger case investigations based on data collected through the state's electronic laboratory reporting system (PHRED). DOH will

review lab data to determine which results are indicative of a new vs. existing case. Operation of this new Hepatitis LabTracker system will be essential in maintaining a de-duplicated surveillance database of viral hepatitis cases. In collaboration with Public Health Seattle-King County, DOH will also conduct enhanced disease investigation and data collection for a random sample of chronic hepatitis cases drawn from the state's surveillance system. Data from this enhanced surveillance will be used to improve our understanding of the demographic and risk characteristics, as well as care needs, of persons at risk of viral hepatitis in Washington. These data will help better target and inform prevention activities. Lastly, DOH will act to improve viral hepatitis surveillance at the national level by developing protocols for ongoing submittal of surveillance data to CDC. Throughout the project period, DOH will document procedures and lessons learned, contributing our experience in a collaborative process with CDC to develop best practices in electronic reporting of hepatitis-related laboratory data.

Strengthening viral hepatitis surveillance, testing, and linkage to care in Washington is important for several reasons. Acute infections of both HBV and HCV typically occur without symptoms, and frequently continue as symptom-free chronic infections that may carry increased risk of serious liver disease, liver cancer, and death. Both HBV and HCV share routes of transmission with other viral infections such as HIV. Shared routes of transmission heighten the risk of co-infection, which brings additional complications to health care management and implications to overall health outcomes. Surveillance is essential in estimating burdens of disease and effectively targeting prevention efforts.

For more information about viral hepatitis surveillance, contact Shawn McBrien, at (360) 236-3413, or shawn.mcbrien@doh.wa.gov

HOW HIV SURVEILLANCE WORKS IN WASHINGTON STATE

Health care providers, laboratories, and local health departments are required by law to report HIV- and AIDS-related information according to the requirements listed below. Identifying and reporting new HIV cases helps state and local health departments develop programs that reduce the spread of HIV. Case reporting also helps assure that people living with HIV receive treatment as early as possible, and that partners who have been exposed to the virus receive HIV testing. Federal funding for HIV prevention and treatment is based on case counts. Our state benefits the most when HIV surveillance is complete, accurate, and timely. Copies of the case report form can be found at the Department of Health website: <http://www.doh.wa.gov/notify/forms/>.

For federal funding purposes, all states and territories count HIV/AIDS cases in the same manner. An individual gets counted as an HIV case in the county in which he/she is residing at the time of his/her initial HIV diagnosis (not including a diagnosis made from an anonymous test). Once that person progresses to AIDS, he/she is counted as an AIDS case in the county

in which he/she is residing at the time of his/her AIDS diagnosis. An AIDS case is no longer counted as an HIV case. States are continually working with each other to ensure that cases are counted in only one state. Once a person is diagnosed with AIDS, he/she remains an AIDS case even if his/her health later improves. Within Washington State, county-level case counts can go down if we learn that a person's earliest diagnosis of HIV or AIDS actually occurred while he/she resided in another state or county. Also, a county's HIV case count can go down over time if their HIV cases progress to AIDS while residing outside the county.

For epidemiologic purposes, it is helpful to evaluate all cases of HIV and AIDS as part of one combined group: people who have been diagnosed with HIV disease. For this report, geographic assignment of a new HIV case is based on residence at the time of a person's initial HIV diagnosis, regardless of whether he/she later progressed to AIDS. Living cases are presumed to be in the same place they resided when their most recent diagnosis of HIV or AIDS occurred.

HIV/AIDS Reporting Requirements:

REPORTING	ITEM TO REPORT	TIMELINE	TO WHOM
Health care providers	HIV or AIDS diagnosis	3 working days	Local health department
Health care facilities	HIV or AIDS diagnosis	3 working days	HIV to local health department AIDS to state health department
Laboratories	Any test result that indicates HIV infection (including a positive Western blot)	2 working days	Inside King Co.: Public Health-Seattle & King Co. (PHSKC) Outside King Co.: State health department
Laboratories	All CD4 results (absolute and %); all HIV viral load results	Monthly	Inside King Co.: PHSKC Outside King Co.: State health department
Local health departments	HIV and AIDS	Within 7 days of completion or 21 days of notification	State health department

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 is usually suggests that a person has been HIV-positive for a many years.

Case: A person with HIV disease 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 Rate: The number of reported cases divided by the number of people residing in a given area and presumed to be at risk for disease, based on population estimates. In this report, rates are described as cases per 100,000 residents.

CD4 Count: The concentration of a certain type of white blood cell circulating within a person's body. CD4 count provides a good indication of a patient's stage of HIV illness.

Confidence Interval (CI): A range of values within which the true value is likely to exist. In this report, we use 95% confidence intervals to describe the reliability of disease rates.

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

Exposure Category: The manner in which a case was most likely to have been infected by HIV, based on reported risk behaviors. Categories are arranged in a hierarchy. A case can only be assigned to one exposure category at any give time.

Foreign-born: This term is used to describe people born outside the United States. If information about country of birth is missing, a case is presumed to be foreign-born.

Gender: A person's sex at birth, either male or female.

HIV: Human Immunodeficiency Virus. The virus that causes HIV disease, including AIDS.

HIV/AIDS Deaths: Deaths caused by HIV or AIDS. We use death certificate information to determine whether HIV or AIDS was a contributing factor in a patient's death.

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

HIV Incidence: The number of people newly infected with HIV during a specified time period, often a calendar year. We can only estimate HIV incidence. This report does not include estimates of HIV incidence.

HIV Prevalence: The total number of people living with HIV disease at a specific point in time. We can only estimate HIV prevalence. This report does not include estimates of HIV prevalence.

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

Late HIV Diagnosis: This describes the event in which a case is diagnosed with AIDS within 12 months of HIV diagnosis. A late HIV diagnosis indicates that a person was probably not getting routinely tested for HIV before the diagnosis occurred.

Living HIV Case: A case of HIV disease that has been diagnosed while living in Washington, reported to the health department, and is presumed living at a specific point in time. A living HIV case can also be described as a prevalent HIV case.

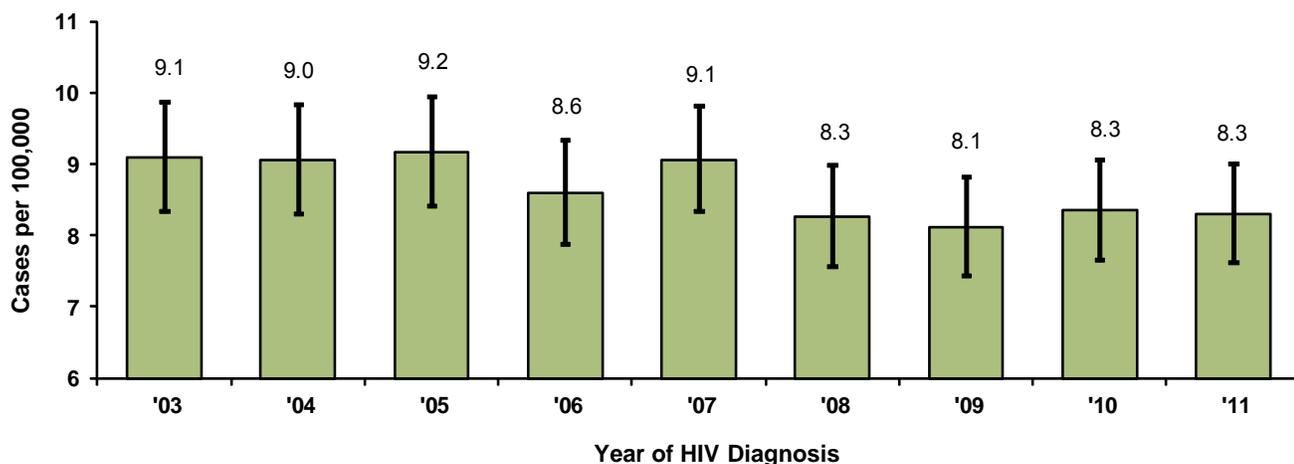
New HIV Case: A newly case of HIV disease, with or without AIDS, that has been diagnosed while living in Washington.

Reporting Delay: This refers to the length of time between when a case is diagnosed and when the case is reported to the health department. In Washington state, most cases are reported within 6 months.

Viral Load: This is the concentration of viral copies circulating within a person's body. Viral load is a good indication of whether a person is receiving effective treatment for HIV disease.

STATISTICS: NEW HIV CASES

Figure 4. New HIV Case Rates by Year of HIV Diagnosis, 2003-2011



STATISTICS: NEW HIV CASES (continued)

Table 1. New HIV Cases, 2007-2011

Year of HIV diagnosis:	Newly Diagnosed Cases of HIV Disease							Late HIV Diagnoses		
	2006 No.	2007 No.	2008 No.	2009 No.	2010 No.	2011 No.	2007-2011 No. %	Rate	2006-2010* %	
Total	548	588	544	541	562	567	2,802 100%	8.4	34%	
Gender										
Male	465	490	447	454	492	487	2,370 85%	14.3	35%	
Female	83	98	97	87	70	80	432 15%	2.6	28%	
Age at HIV Diagnosis										
< 20	12	21	17	22	21	13	94 3%	1.1	17%	
20 - 29	140	156	146	142	151	155	750 27%	15.7	19%	
30 - 39	178	170	163	155	173	158	819 29%	18.5	35%	
40 - 49	144	148	126	136	125	136	671 24%	13.9	42%	
50 - 59	59	68	60	65	73	69	335 12%	7.2	51%	
60+	15	25	32	21	19	36	133 5%	2.3	54%	
Race and Hispanic Origin										
White	350	348	294	318	324	316	1,600 57%	6.3	30%	
Black	85	107	102	91	81	109	490 17%	43.4	38%	
Hispanic (all races)	64	90	95	84	107	90	466 17%	14.6	41%	
Asian	25	22	28	25	24	30	129 5%	5.9	48%	
Native Hawaiian / Pacific Islander	6	3	0	2	1	4	10 0%	---	---	
American Indian / Alaska Native	6	6	12	6	9	6	39 1%	7.9	49%	
Multiple Race	12	12	13	15	16	12	68 2%	7.3	28%	
Hispanic only:										
- White	33	43	31	29	26	40	169 6%	5.9	44%	
- Black	2	2	3	2	0	1	8 0%	---	---	
- Multiple / Other Race	5	4	1	3	7	2	17 1%	---	---	
- Unknown Race	24	41	60	50	74	47	272 10%	---	41%	
Exposure Category by Gender										
Male only:										
- Male / Male Sex (MSM)	314	332	297	317	357	338	1,641 59%	---	30%	
- Injecting Drug Use (IDU)	22	21	16	17	22	20	96 3%	---	48%	
- MSM and IDU	44	48	31	40	24	47	190 7%	---	28%	
- Heterosexual Contact	19	12	20	13	19	10	74 3%	---	65%	
- Pediatric	3	0	1	2	7	4	14 0%	---	---	
- Transfusion / Hemophiliac	0	0	0	0	0	0	0 0%	---	---	
- No Identified Risk	63	77	82	65	63	68	355 13%	---	56%	
Female only:										
- Injecting Drug Use	18	12	9	7	9	16	53 2%	---	---	
- Heterosexual Contact	54	71	69	62	48	38	288 10%	---	32%	
- Pediatric	0	2	1	7	3	2	15 1%	---	---	
- Transfusion / Hemophiliac	0	1	1	0	0	0	2 0%	---	---	
- No Identified Risk	11	12	17	11	10	24	74 3%	---	26%	

All HIV/AIDS surveillance data reported to the Washington State Department of Health as of September 30, 2012.

*Based on new HIV cases diagnosed between 2006 and 2010

STATISTICS: NEW HIV CASES (continued)

Table 2. New HIV Cases by Foreign-Born Status and Other Select Characteristics, 2007-2011

Characteristic:	Proportion of Cases with Select Characteristic at HIV Diagnosis						Total	
	Male	Age > 30 years	MSM	Hetero-sexual	Late HIV Diagnosis*	Live in King Co.	No.	%
	%	%	%	%	%	%		
U.S.-Born								
White	90%	72%	78%	8%	31%	57%	1,452	73%
Black	79%	58%	57%	21%	27%	55%	273	14%
Hispanic (all races)	87%	55%	71%	9%	30%	57%	143	7%
Asian	85%	75%	85%	5%	40%	75%	20	1%
Native Hawaiian / Pacific Islander	83%	33%	83%	17%	83%	50%	6	0%
American Indian / Alaska Native	73%	68%	41%	32%	57%	24%	37	2%
Multiple Race	89%	46%	72%	11%	22%	59%	54	3%
Total	88%	68%	74%	10%	31%	56%	1,985	100%
Foreign-Born								
White	86%	83%	62%	7%	34%	47%	148	18%
Black	48%	73%	9%	38%	45%	67%	217	27%
Hispanic (all races)	90%	73%	59%	12%	44%	51%	323	40%
Asian	82%	76%	51%	15%	49%	60%	109	13%
Native Hawaiian / Pacific Islander	75%	75%	75%	25%	75%	50%	4	0%
American Indian / Alaska Native	50%	0%	0%	50%	0%	50%	2	0%
Multiple Race	79%	71%	57%	21%	43%	36%	14	2%
Total	77%	75%	45%	19%	43%	55%	817	100%

All HIV/AIDS surveillance data reported to the Washington State Department of Health as of September 30, 2012.

*Based on new HIV cases diagnosed between 2006 and 2010

Figure 5. New HIV Case Rates by Race/Ethnicity and Gender, Washington State, 2007-2011

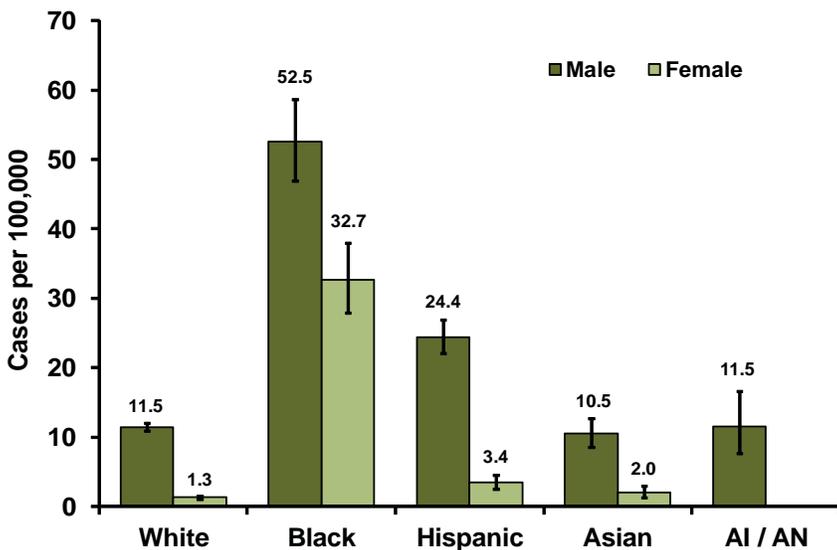
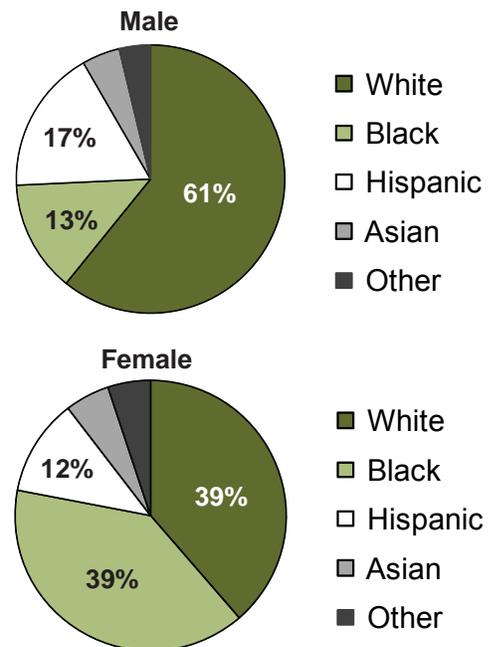


Figure 6. New HIV Cases by Gender and Race/Ethnicity, 2007-2011



STATISTICS: NEW HIV CASES (continued)

Table 3. New HIV Cases by County and Combined Local Health District (HD)

Year of HIV diagnosis:	Newly Diagnosed Cases of HIV Disease							Cumulative Diagnoses			Late HIV Diagnoses	
	2006 No.	2007 No.	2008 No.	2009 No.	2010 No.	2011 No.	2007-2011		1982-2011		2006-2010	
							No.	%	Rate	No.	%	%
Adams Co.	0	0	0	1	0	1	2	0%	---	8	0%	---
Asotin Co.	1	0	1	2	2	1	6	0%	---	26	0%	---
Benton Co.	9	5	1	6	7	15	34	1%	4.0	144	1%	46%
Benton-Franklin HD	11	8	6	12	11	17	54	2%	4.5	232	1%	48%
Chelan Co.	4	3	1	3	5	6	18	1%	5.0	80	0%	---
Chelan-Douglas HD	4	5	1	4	7	7	24	1%	4.3	90	0%	---
Clallam Co.	1	1	2	3	1	3	10	0%	---	83	0%	---
Clark Co.	21	41	17	20	31	33	142	5%	6.6	735	4%	39%
Columbia Co.	0	2	0	0	0	0	2	0%	---	6	0%	---
Cowlitz Co.	6	5	5	4	5	6	25	1%	5.0	156	1%	---
Douglas Co.	0	2	0	1	2	1	6	0%	---	10	0%	---
Ferry Co.	0	1	0	0	0	0	1	0%	---	8	0%	---
Franklin Co.	2	3	5	6	4	2	20	1%	5.5	88	0%	---
Garfield Co.	0	0	0	0	0	0	0	0%	---	1	0%	---
Grant Co.	3	3	3	1	3	3	13	0%	3.0	56	0%	---
Grays Harbor Co.	2	2	6	0	5	4	17	1%	4.8	94	1%	---
Island Co.	2	2	3	8	3	1	17	1%	4.2	90	0%	---
Jefferson Co.	3	1	0	0	0	0	1	0%	---	37	0%	---
King Co.	307	318	318	302	331	298	1,567	56%	16.4	11,810	63%	31%
Kitsap Co.	13	7	7	10	2	8	34	1%	2.7	325	2%	41%
Kittitas Co.	3	0	0	0	0	0	0	0%	---	25	0%	---
Klickitat Co.	2	1	0	0	0	0	1	0%	---	16	0%	---
Lewis Co.	4	1	2	4	0	7	14	0%	3.7	68	0%	---
Lincoln Co.	0	0	0	0	0	0	0	0%	---	4	0%	---
Mason Co.	1	7	8	3	11	6	35	1%	12.3	129	1%	---
NE Tri-County HD	2	1	1	1	0	1	4	0%	---	46	0%	---
Okanogan Co.	0	1	3	3	0	1	8	0%	---	41	0%	---
Pacific Co.	2	2	1	1	0	0	4	0%	---	32	0%	---
Pend Oreille Co.	1	0	0	0	0	0	0	0%	---	9	0%	---
Pierce Co.	60	61	59	61	60	75	316	11%	7.8	1,729	9%	27%
San Juan Co.	1	1	0	1	2	0	4	0%	---	29	0%	---
Skagit Co.	5	3	4	1	4	6	18	1%	3.0	105	1%	---
Skamania Co.	0	0	0	1	0	0	1	0%	---	9	0%	---
Snohomish Co.	45	43	36	42	33	35	189	7%	5.4	1,096	6%	42%
Spokane Co.	23	36	26	18	21	27	128	5%	5.5	776	4%	38%
Stevens Co.	1	0	1	1	0	1	3	0%	---	29	0%	---
Thurston Co.	9	15	8	12	12	9	56	2%	4.5	303	2%	38%
Wahkiakum Co.	0	0	0	0	0	0	0	0%	---	3	0%	---
Walla Walla Co.	1	0	3	0	0	0	3	0%	---	65	0%	---
Whatcom Co.	8	9	10	8	1	8	36	1%	3.7	247	1%	39%
Whitman Co.	1	0	2	1	1	1	5	0%	---	23	0%	---
Yakima Co.	7	12	12	17	16	9	66	2%	5.6	291	2%	56%
Statewide Total	548	588	544	541	562	567	2,802	100%	8.4	18,786	100%	34%

All HIV/AIDS surveillance data reported to the Washington State Department of Health as of September 30, 2012.

Note: Percentages (%) are rounded to the nearest whole number. Actual values may be less than they appear (e.g. 0.7% = "1%").

STATISTICS: NEW HIV CASES (continued)

Table 4. First CD4 Test Results among New HIV Cases, 2007-2011

CD4 count, cells/ μ L:	Stage of Infection at HIV Diagnosis (among cases with CD4 information)				Median CD4 Count cells/ μ L	Cases with CD4 Information		Total Cases No.
	≥ 500	350-499	200-349	< 200		No.	% of total	
	%	%	%	%				
Total	30%	20%	18%	32%	347	2,287	82%	2,802
Gender								
Male	29%	20%	19%	33%	340	1,943	82%	2,370
Female	35%	21%	16%	28%	374	344	80%	432
Age at HIV Diagnosis								
< 20	57%	22%	12%	9%	557	67	71%	94
20 - 29	37%	27%	21%	15%	415	568	76%	750
30 - 39	28%	21%	18%	32%	345	692	84%	819
40 - 49	27%	16%	18%	39%	290	565	84%	671
50 - 59	23%	13%	16%	48%	209	279	83%	335
60+	19%	12%	17%	52%	178	116	87%	133
Race and Hispanic Origin								
White	34%	20%	17%	29%	381	1,317	82%	1,600
Black	29%	20%	20%	32%	335	383	78%	490
Hispanic (all races)	21%	20%	21%	39%	291	385	83%	466
Asian	16%	17%	21%	45%	228	110	85%	129
Native Hawaiian / Pacific Islander	0%	11%	11%	78%	58	9	90%	10
American Indian / Alaska Native	26%	12%	18%	44%	234	34	87%	39
Multiple Race	29%	22%	27%	22%	353	49	72%	68
Hispanic only:								
- White	24%	19%	22%	35%	291	139	82%	169
- Black	33%	0%	33%	33%	227	6	75%	8
- Multiple / Other Race	30%	50%	0%	20%	426	10	59%	17
- Unknown Race	17%	20%	21%	42%	284	230	85%	272
Exposure Category by Gender								
Male only:								
- Male / Male Sex (MSM)	32%	22%	19%	26%	379	1,380	84%	1,641
- Injecting Drug Use (IDU)	21%	15%	16%	48%	212	75	78%	96
- MSM and IDU	33%	22%	22%	22%	388	148	78%	190
- Heterosexual Contact	13%	10%	18%	59%	160	61	82%	74
- Pediatric	80%	10%	0%	10%	1,296	10	71%	14
- Transfusion / Hemophiliac	---	---	---	---	---	0	---	0
- No Identified Risk	13%	9%	16%	62%	142	269	76%	355
Female only:								
- Injecting Drug Use	29%	32%	20%	20%	389	41	77%	53
- Heterosexual Contact	34%	18%	18%	29%	419	235	82%	288
- Pediatric	82%	0%	9%	9%	797	11	73%	15
- Transfusion / Hemophiliac	100%	0%	0%	0%	729	1	50%	2
- No Identified Risk	32%	27%	5%	36%	362	56	76%	74

All HIV/AIDS surveillance data reported to the Washington State Department of Health as of September 30, 2012.

STATISTICS: NEW HIV CASES (continued)

Table 5. First CD4 Test Results among New HIV Cases, by County and Combined Local Health District (HD), 2007-2011

CD4 count, cells/ μ L:	Stage of Infection at HIV Diagnosis (among cases with CD4 information)				Median CD4 Count cells/ μ L	Cases with CD4 Information		Total Cases No.
	≥ 500	350-499	200-349	< 200		No.	% of total	
	%	%	%	%				
Adams Co.	0%	0%	50%	50%	110	2	100%	2
Asotin Co.	33%	0%	33%	33%	325	6	100%	6
Benton Co.	23%	26%	6%	45%	344	31	91%	34
Benton-Franklin HD	21%	27%	8%	44%	333	48	89%	54
Chelan Co.	19%	13%	6%	63%	85	16	89%	18
Chelan-Douglas HD	18%	14%	9%	59%	114	22	92%	24
Clallam Co.	0%	33%	0%	67%	37	6	60%	10
Clark Co.	18%	18%	18%	47%	207	102	72%	142
Columbia Co.	0%	50%	0%	50%	227	2	100%	2
Cowlitz Co.	21%	0%	36%	43%	215	14	56%	25
Douglas Co.	17%	17%	17%	50%	197	6	100%	6
Ferry Co.	0%	0%	100%	0%	335	1	100%	1
Franklin Co.	18%	29%	12%	41%	272	17	85%	20
Garfield Co.	---	---	---	---	---	0	---	0
Grant Co.	9%	36%	0%	55%	165	11	85%	13
Grays Harbor Co.	29%	14%	7%	50%	230	14	82%	17
Island Co.	58%	8%	0%	33%	745	12	71%	17
Jefferson Co.	0%	0%	100%	0%	249	1	100%	1
King Co.	32%	22%	19%	26%	375	1,380	88%	1,567
Kitsap Co.	13%	27%	23%	37%	273	30	88%	34
Kittitas Co.	---	---	---	---	---	0	---	0
Klickitat Co.	100%	0%	0%	0%	801	1	100%	1
Lewis Co.	46%	15%	15%	23%	493	13	93%	14
Lincoln Co.	---	---	---	---	---	0	---	0
Mason Co.	19%	6%	25%	50%	213	16	46%	35
NE Tri-County HD	0%	0%	50%	50%	180	2	50%	4
Okanogan Co.	17%	0%	0%	83%	12	6	75%	8
Pacific Co.	50%	0%	50%	0%	513	2	50%	4
Pend Oreille Co.	---	---	---	---	---	0	---	0
Pierce Co.	30%	17%	18%	35%	319	196	62%	316
San Juan Co.	33%	0%	0%	67%	160	3	75%	4
Skagit Co.	27%	20%	13%	40%	263	15	83%	18
Skamania Co.	0%	0%	100%	0%	315	1	100%	1
Snohomish Co.	28%	18%	20%	34%	315	152	80%	189
Spokane Co.	33%	17%	15%	36%	349	103	80%	128
Stevens Co.	0%	0%	0%	100%	24	1	33%	3
Thurston Co.	38%	8%	13%	43%	306	40	71%	56
Wahkiakum Co.	---	---	---	---	---	0	---	0
Walla Walla Co.	0%	33%	0%	67%	151	3	100%	3
Whatcom Co.	42%	4%	13%	42%	341	24	67%	36
Whitman Co.	40%	0%	0%	60%	191	5	100%	5
Yakima Co.	15%	9%	22%	55%	170	55	83%	66
Statwide Total	30%	20%	18%	32%	347	2,287	82%	2,802

All HIV/AIDS surveillance data reported to the Washington State Department of Health as of September 30, 2012.

STATISTICS: PEOPLE LIVING WITH HIV

Table 6. People Living with HIV Disease as of December 31, 2011

	HIV (not AIDS)			AIDS			All Cases of HIV Disease		
	No.	%	Rate	No.	%	Rate	No.	%	Rate
Total	4,838	100%	70.7	6,340	100%	92.7	11,178	100%	163.4
Gender									
Male	4,110	85%	120.5	5,519	87%	161.8	9,629	86%	282.3
Female	728	15%	21.2	821	13%	24.0	1,549	14%	45.2
Current age									
< 20	65	1%	3.6	11	0%	0.0	76	1%	4.2
20 - 29	595	12%	60.0	196	3%	19.8	791	7%	79.8
30 - 39	1,129	23%	127.0	888	14%	99.9	2,017	18%	226.9
40 - 49	1,673	35%	175.8	2,447	39%	257.2	4,120	37%	433.0
50 - 59	1,018	21%	105.3	2,009	32%	207.8	3,027	27%	313.1
60+	358	7%	28.7	789	12%	63.3	1,147	10%	92.1
Race and Hispanic Origin*									
White	3,288	68%	64.4	4,196	66%	82.1	7,484	67%	146.5
Black	748	15%	316.3	964	15%	407.6	1,712	15%	723.9
Hispanic (all races)	525	11%	75.4	764	12%	109.7	1,289	12%	185.0
Asian	145	3%	31.0	189	3%	40.5	334	3%	71.5
Native Hawaiian / Pacific Islander	9	0%	---	31	0%	95.8	40	0%	123.6
American Indian / Alaska Native	53	1%	51.8	103	2%	100.6	156	1%	152.4
Multiple Race	63	1%	32.2	86	1%	44.0	149	1%	76.2
Hispanic only:									
- White	166	3%	26.9	154	2%	24.9	320	3%	51.8
- Black	13	0%	---	14	0%	76.4	27	0%	147.3
- Multiple / Other Race	23	0%	---	12	0%	---	35	0%	---
- Unknown Race	323	7%	---	584	9%	---	907	8%	---
Exposure Category by Gender									
Male only:									
- Male / Male Sex (MSM)	3,151	65%	---	3,798	60%	---	6,949	62%	---
- Injecting Drug Use (IDU)	165	3%	---	345	5%	---	510	5%	---
- MSM and IDU	356	7%	---	593	9%	---	949	8%	---
- Heterosexual Contact	114	2%	---	281	4%	---	395	4%	---
- Pediatric	25	1%	---	9	0%	---	34	0%	---
- Transfusion / Hemophiliac	6	0%	---	36	1%	---	42	0%	---
- No Identified Risk	288	6%	---	432	7%	---	720	6%	---
Female only:									
- Injecting Drug Use	110	2%	---	174	3%	---	284	3%	---
- Heterosexual Contact	493	10%	---	558	9%	---	1,051	9%	---
- Pediatric	27	1%	---	12	0%	---	39	0%	---
- Transfusion / Hemophiliac	6	0%	---	13	0%	---	19	0%	---
- No Identified Risk	92	2%	---	64	1%	---	156	1%	---

All HIV/AIDS surveillance data reported to the Washington State Department of Health as of September 30, 2012.

* Section excludes 15 cases (8 with HIV, 7 with AIDS) for which we do not have information about race or ethnicity.

STATISTICS: PEOPLE LIVING WITH HIV (continued)

Table 7. Living HIV Cases* by Exposure Category, Gender and Race/Ethnicity, as of December 31, 2011

Exposure category	White		Black		Hispanic		Asian		American Indian / Alaska Native	
	No.	%	No.	%	No.	%	No.	%	No.	%
Males:										
Male / Male Sex (MSM)	5,257	77%	575	50%	748	66%	187	70%	59	56%
Injecting Drug Use (IDU)	318	5%	96	8%	69	6%	7	3%	13	12%
MSM and IDU	755	11%	64	6%	80	7%	6	2%	20	19%
Heterosexual Contact	134	2%	168	14%	67	6%	14	5%	8	8%
Pediatric	7	0%	20	2%	2	0%	2	1%	1	1%
Transfusion / Hemophiliac	37	1%	3	0%	2	0%	0	0%	0	0%
No Identified Risk	290	4%	233	20%	161	14%	51	19%	4	4%
Total Males	6,798	100%	1,159	100%	1,129	100%	267	100%	105	100%
Females:										
Injecting Drug Use (IDU)	184	27%	58	10%	17	11%	3	4%	16	31%
Heterosexual Contact	439	64%	388	70%	120	75%	49	73%	34	67%
Pediatric	8	1%	23	4%	5	3%	3	4%	0	0%
Transfusion / Hemophiliac	6	1%	9	2%	1	1%	3	4%	0	0%
No Identified Risk	49	7%	75	14%	17	11%	9	13%	1	2%
Total Females	686	100%	553	100%	160	100%	67	100%	51	100%

All HIV/AIDS surveillance data reported to the Washington State Department of Health as of September 30, 2012.

* Table excludes 40 Native Hawaiian and Pacific Islander cases due to small numbers. Also excluded are 149 cases reported as belonging to more than one racial or ethnic group, and 14 cases that are missing any information about race or ethnicity.

Figure 7. Living HIV Case Rates by Race/Ethnicity and Gender, as of December 31, 2011

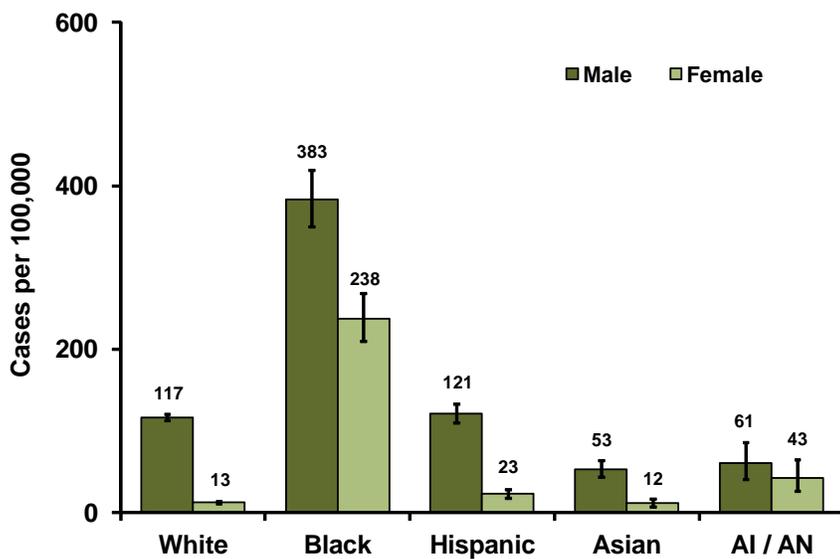
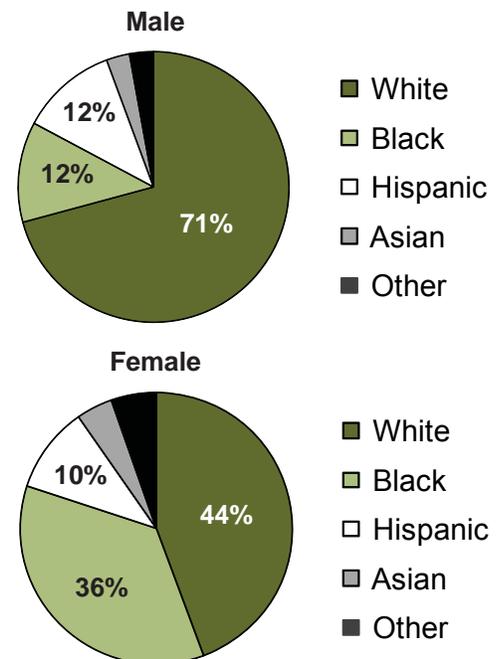


Figure 8. Living HIV Cases by Gender and Race/Ethnicity, as of December 31, 2011



STATISTICS: PEOPLE LIVING WITH HIV (continued)

Table 8. People Living with HIV Disease by County and Combined Local Health District (HD), as of December 31, 2011

	HIV (not AIDS)			AIDS			All Cases of HIV Disease		
	No.	%	Rate	No.	%	Rate	No.	%	Rate
Adams Co.	0	0%	---	6	0%	---	6	0%	---
Asotin Co.	6	0%	---	12	0%	55.0	18	0%	82.5
Benton Co.	40	1%	22.8	70	1%	39.9	110	1%	62.7
Benton-Franklin HD	66	1%	26.0	113	2%	44.5	179	2%	70.5
Chelan Co.	23	0%	31.0	26	0%	35.0	49	0%	66.0
Chelan-Douglas HD	26	1%	22.9	30	0%	26.5	56	1%	49.4
Clallam Co.	19	0%	26.9	24	0%	33.9	43	0%	60.8
Clark Co.	199	4%	44.6	269	4%	60.3	468	4%	104.9
Columbia Co.	0	0%	---	4	0%	---	4	0%	---
Cowlitz Co.	45	1%	44.5	47	1%	46.5	92	1%	91.0
Douglas Co.	3	0%	---	4	0%	---	7	0%	---
Ferry Co.	0	0%	---	1	0%	---	1	0%	---
Franklin Co.	26	1%	33.2	43	1%	54.9	69	1%	88.0
Garfield Co.	1	0%	---	0	0%	---	1	0%	---
Grant Co.	13	0%	14.5	23	0%	25.7	36	0%	40.2
Grays Harbor Co.	19	0%	26.5	36	1%	50.1	55	0%	76.6
Island Co.	22	0%	26.8	27	0%	32.9	49	0%	59.6
Jefferson Co.	9	0%	---	13	0%	44.0	22	0%	74.4
King Co.	3,077	64%	157.2	3,859	61%	197.0	6,936	62%	354.2
Kitsap Co.	76	2%	30.4	118	2%	47.2	194	2%	77.6
Kittitas Co.	3	0%	---	11	0%	---	14	0%	33.8
Klickitat Co.	6	0%	---	2	0%	---	8	0%	---
Lewis Co.	11	0%	---	24	0%	31.4	35	0%	45.8
Lincoln Co.	0	0%	---	2	0%	---	2	0%	---
Mason Co.	38	1%	64.8	56	1%	95.5	94	1%	160.3
NE Tri-County HD	6	0%	---	8	0%	---	14	0%	21.1
Okanogan Co.	7	0%	---	17	0%	41.4	24	0%	58.4
Pacific Co.	12	0%	54.1	9	0%	---	21	0%	94.7
Pend Oreille Co.	0	0%	---	3	0%	---	3	0%	---
Pierce Co.	480	10%	57.8	539	9%	64.9	1,019	9%	122.6
San Juan Co.	6	0%	---	11	0%	---	17	0%	101.8
Skagit Co.	24	0%	19.7	36	1%	29.6	60	1%	49.3
Skamania Co.	0	0%	---	1	0%	---	1	0%	---
Snohomish Co.	276	6%	38.2	424	7%	58.6	700	6%	96.8
Spokane Co.	178	4%	37.2	263	4%	55.0	441	4%	92.3
Stevens Co.	6	0%	---	4	0%	---	10	0%	---
Thurston Co.	74	2%	28.5	117	2%	45.1	191	2%	73.6
Wahkiakum Co.	1	0%	---	2	0%	---	3	0%	---
Walla Walla Co.	7	0%	---	24	0%	40.0	31	0%	51.7
Whatcom Co.	59	1%	29.7	86	1%	43.3	145	1%	73.0
Whitman Co.	5	0%	---	14	0%	32.0	19	0%	43.4
Yakima Co.	66	1%	27.3	114	2%	47.2	180	2%	74.5
Statewide Total	4,837	100%	70.7	6,341	100%	92.7	11,178	100%	163.4

All HIV/AIDS surveillance data reported to the Washington State Department of Health as of September 30, 2012.

Note: Percentages (%) are rounded to the nearest whole number. Actual values may be less than they appear (e.g. 0.7% = "1%").

STATISTICS: PEOPLE LIVING WITH HIV (continued)

Table 9. Viral Load Test Results (Last 12 Months) among Living HIV Cases, as of December 31, 2011

Viral Load, copies/mL:	Viral Load Results in 2011 (among cases with VL information)			Mean Viral Load copies/mL	Cases with a Viral Load Result in 2011		Total Cases No.
	High VL ≥ 100,000	201 - 99,999	Suppressed VL ≤ 200		No.	% of total	
	%	%	%				
Total	4%	15%	82%	821	6,784	61%	11,178
Gender							
Male	4%	14%	82%	778	5,827	61%	9,629
Female	4%	18%	78%	1,127	957	62%	1,549
Age at HIV Diagnosis							
< 20	0%	19%	81%	1,679	67	88%	76
20 - 29	10%	32%	58%	4,031	499	63%	791
30 - 39	5%	21%	74%	1,468	1,242	62%	2,017
40 - 49	3%	13%	83%	690	2,478	60%	4,120
50 - 59	2%	10%	88%	381	1,843	61%	3,027
60+	3%	5%	92%	254	655	57%	1,147
Race and Hispanic Origin*							
White	4%	13%	84%	631	4,551	61%	7,484
Black	4%	18%	78%	1,296	1,022	60%	1,712
Hispanic (all races)	5%	18%	77%	1,694	745	58%	1,289
Asian	2%	12%	86%	598	220	66%	334
Native Hawaiian / Pacific Islander	6%	20%	74%	1,854	35	88%	40
American Indian / Alaska Native	7%	16%	77%	2,068	101	65%	156
Multiple Race	7%	21%	73%	1,885	106	71%	149
Hispanic only:							
- White	9%	23%	68%	3,424	191	60%	320
- Black	6%	12%	82%	1,693	17	63%	27
- Multiple / Other Race	5%	25%	70%	1,534	20	57%	35
- Unknown Race	3%	17%	80%	1,200	517	57%	907
Exposure Category by Gender							
Male only:							
- Male / Male Sex (MSM)	3%	13%	83%	684	4,304	62%	6,949
- Injecting Drug Use (IDU)	3%	19%	78%	886	270	53%	510
- MSM and IDU	7%	19%	74%	1,530	574	60%	949
- Heterosexual Contact	3%	7%	90%	478	210	53%	395
- Pediatric	4%	18%	79%	1,827	28	82%	34
- Transfusion / Hemophiliac	0%	11%	89%	173	28	67%	42
- No Identified Risk	5%	15%	81%	1,013	413	55%	750
Female only:							
- Injecting Drug Use	6%	20%	74%	1,455	164	58%	284
- Heterosexual Contact	3%	17%	80%	960	655	62%	1,051
- Pediatric	7%	17%	77%	6,370	30	77%	39
- Transfusion / Hemophiliac	10%	20%	70%	5,917	10	53%	19
- No Identified Risk	2%	24%	73%	1,001	98	63%	156

All HIV/AIDS surveillance data reported to the Washington State Department of Health as of September 30, 2012.

* Section excludes 15 cases for which we do not have information about race or ethnicity.

STATISTICS: PEOPLE LIVING WITH HIV (continued)

Table 10. Viral Load Test Results (Last 12 Months) by County and Combined Local Health District, as of December 31, 2011

County/Health District	Viral Load Results in 2011 (among cases with VL information)			Mean Viral Load copies/mL	Cases with a Viral Load Result in 2011		Total Cases No.
	High VL ≥ 100,000	201 - 99,999	Suppressed VL ≤ 200		No.	% of total	
	%	%	%				
Adams Co.	0%	25%	75%	7	4	67%	6
Asotin Co.	9%	27%	64%	311	11	61%	18
Benton Co.	9%	14%	77%	228	70	64%	110
Benton-Franklin HD	6%	16%	78%	126	117	65%	179
Chelan Co.	0%	26%	74%	12	38	78%	49
Chelan-Douglas HD	0%	23%	77%	1	43	77%	56
Clallam Co.	0%	15%	85%	6	20	47%	43
Clark Co.	10%	18%	71%	2,121	126	27%	468
Columbia Co.	0%	0%	100%	30	3	75%	4
Cowlitz Co.	16%	16%	68%	1,019	19	21%	92
Douglas Co.	0%	0%	100%	2	5	71%	7
Ferry Co.	0%	0%	100%	0	1	100%	1
Franklin Co.	2%	19%	79%	178	47	68%	69
Garfield Co.	---	---	---	---	0	0%	1
Grant Co.	0%	17%	83%	8	18	50%	36
Grays Harbor Co.	6%	19%	75%	399	36	65%	55
Island Co.	0%	14%	86%	9	22	45%	49
Jefferson Co.	0%	7%	93%	3	14	64%	22
King Co.	4%	14%	82%	10	4,621	67%	6,936
Kitsap Co.	5%	11%	84%	9	116	60%	194
Kittitas Co.	0%	18%	82%	10	11	79%	14
Klickitat Co.	0%	33%	67%	15,700	3	38%	8
Lewis Co.	13%	17%	71%	97	24	69%	35
Lincoln Co.	---	---	---	---	0	0%	2
Mason Co.	2%	20%	78%	25	51	54%	94
NE Tri-County HD	0%	10%	90%	4	10	71%	14
Okanogan Co.	0%	0%	100%	1	10	42%	24
Pacific Co.	0%	10%	90%	3	10	48%	21
Pend Oreille Co.	0%	0%	100%	0	2	67%	3
Pierce Co.	5%	16%	79%	20	407	40%	1,019
San Juan Co.	0%	0%	100%	5	6	35%	17
Skagit Co.	11%	25%	64%	80	28	47%	60
Skamania Co.	0%	100%	0%	861	1	100%	1
Snohomish Co.	2%	15%	83%	13	451	64%	700
Spokane Co.	2%	11%	86%	91	283	64%	441
Stevens Co.	0%	14%	86%	31	7	70%	10
Thurston Co.	5%	16%	79%	74	124	65%	191
Wahkiakum Co.	50%	0%	50%	125,050	2	67%	3
Walla Walla Co.	0%	11%	89%	3,385	18	58%	31
Whatcom Co.	6%	28%	67%	42	36	25%	145
Whitman Co.	0%	8%	92%	17	12	63%	19
Yakima Co.	2%	9%	89%	110	126	70%	180
Statewide Total	4%	15%	82%	821	6,783	61%	11,178

All HIV/AIDS surveillance data reported to the Washington State Department of Health as of September 30, 2012.

STATISTICS: AIDS CASES AND HIV DEATHS

Table 11. AIDS Cases and Deaths from HIV or AIDS

	Recent AIDS Cases			Cumulative AIDS Cases		Cumulative HIV/AIDS Deaths	
	2007-2011			1982-2011		1982-2011	
	No.	%	Rate	No.	%	No.	%
Total	1,709	100%	5.1	13,444	100%	5,242	100%
Gender							
Male	1,456	85%	8.8	12,112	90%	4,932	94%
Female	253	15%	1.5	1,332	10%	310	6%
Age at AIDS Diagnosis						Age at Death	
< 20	15	1%	0.2	100	1%	17	0%
20 - 29	240	14%	5.0	2,184	16%	452	9%
30 - 39	521	30%	11.8	5,795	43%	2,080	40%
40 - 49	561	33%	11.6	3,708	28%	1,699	32%
50 - 59	274	16%	5.9	1,258	9%	700	13%
60+	98	6%	1.7	399	3%	294	6%
Race and Hispanic Origin							
White	970	57%	3.8	9,845	73%	4,291	82%
Black	306	18%	27.1	1,627	12%	436	8%
Hispanic (all races)	253	15%	7.9	1,202	9%	271	5%
Asian	82	5%	3.8	271	2%	60	1%
Native Hawaiian / Pacific Islander	13	1%	8.6	48	0%	14	0%
American Indian / Alaska Native	32	2%	6.5	218	2%	69	1%
Multiple or Unknown Race	53	3%	5.7	233	2%	101	2%
Hispanic only:							
- White	85	5%	3.0	322	2%	115	2%
- Black	6	0%	---	30	0%	11	0%
- Multiple / Other Race	7	0%	---	30	0%	9	0%
- Unknown Race	155	9%	---	820	6%	136	3%
Exposure Category by Gender							
Male only:							
- Male / Male Sex (MSM)	900	53%	---	8,590	64%	3,662	70%
- Injecting Drug Use (IDU)	92	5%	---	856	6%	340	6%
- MSM and IDU	150	9%	---	1,352	10%	542	10%
- Heterosexual Contact	83	5%	---	403	3%	83	2%
- Pediatric	4	0%	---	16	0%	5	0%
- Transfusion / Hemophiliac	3	0%	---	156	1%	90	2%
- No Identified Risk	224	13%	---	739	5%	210	4%
Female only:							
- Injecting Drug Use	53	3%	---	362	3%	109	2%
- Heterosexual Contact	164	10%	---	802	6%	151	3%
- Pediatric	4	0%	---	21	0%	4	0%
- Transfusion / Hemophiliac	1	0%	---	48	0%	24	0%
- No Identified Risk	31	2%	---	99	1%	22	0%

All HIV/AIDS surveillance data reported to the Washington State Department of Health as of September 30, 2012.