



# WASHINGTON STATE HIV SURVEILLANCE SEMIANNUAL REPORT 1st EDITION 2013

Office of Infectious Disease Assessment Unit (360) 236-3455 [www.doh.wa.gov/YouandYourFamily/IllnessandDisease/HIVAIDS.aspx](http://www.doh.wa.gov/YouandYourFamily/IllnessandDisease/HIVAIDS.aspx)

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**Publication Schedule:** This report reflects events occurring through December 31, 2012 and reported by March 31, 2013, unless otherwise stated. Reports are published twice a year.

## HIV IN WASHINGTON: AN OVERVIEW

- In Washington, the first case of AIDS was diagnosed in 1982.
- More than 19,000 people in Washington have been diagnosed with HIV disease. Nearly 6,000 people have died as a result of the disease.
- Recently, the number of new HIV cases in Washington has remained steady: 524 new cases per year, on average in 2008-2012.
- Treatment for HIV disease is both effective and widely available. Most people with HIV survive long after diagnosis.
- By the end of 2012, more than 11,000 people were reported to be living with HIV across Washington State.

Figure 1. Average HIV Rates by County, 2008-2012

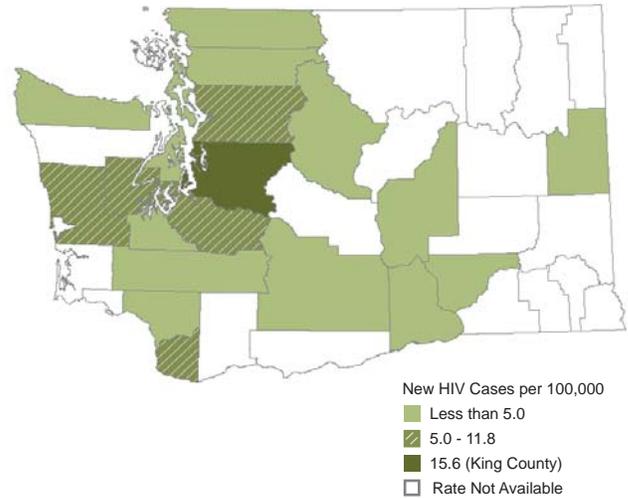


Figure 2. New HIV Cases, AIDS Cases, and Deaths from HIV or AIDS, 2003-2012

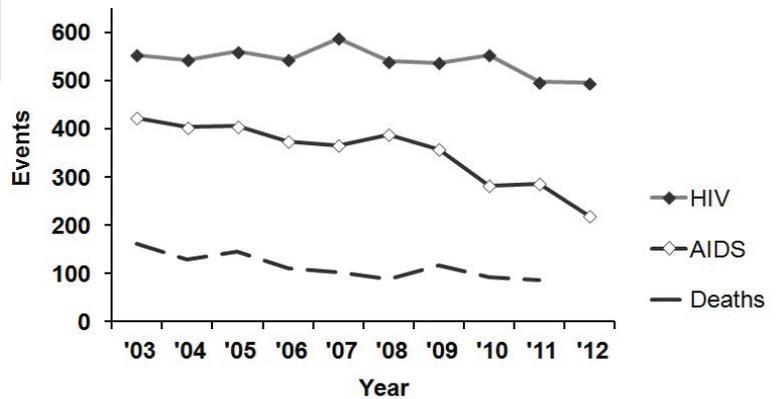
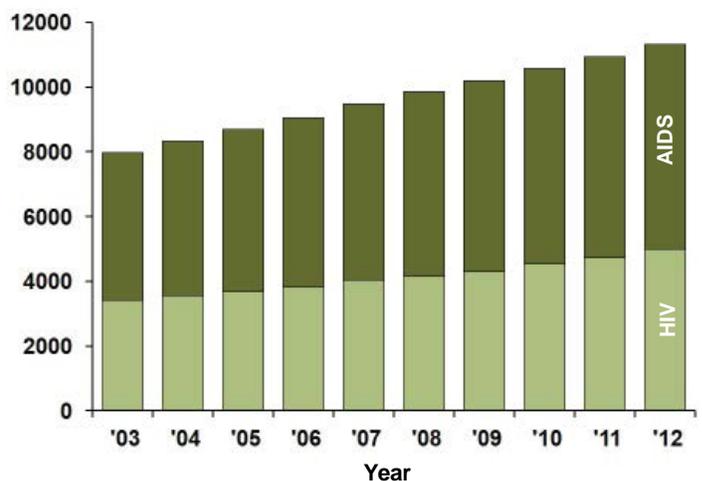


Figure 3. Living Cases of HIV Disease, 2003-2012



## 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

### Updated Death Information Using the National Death Index

Accurate vital status (alive or dead) and cause of death information are important for a robust HIV surveillance program. The Washington State HIV surveillance program (the surveillance program) uses death data to report on causes of death, monitor trends in overall numbers of deaths and causes of death, ensure accurate prevalence estimates, and inform HIV prevention and client services projects. In 2012, the surveillance program utilized the National Center for Health Statistics (NCHS) National Death Index (NDI) to match against the HIV case surveillance data for the first time. This increased the accuracy of Washington State HIV surveillance data and is reflected in this surveillance report.

The surveillance program routinely uses death record information from the Washington State Department of Health Center for Health Statistics (CHS) to update vital status as well as immediate and underlying causes of death for HIV cases reported in Washington State. CHS data include information on individuals who died in Washington or in another state that sends death reports to Washington. For individuals who die outside of one of these states, cases may appear to be still alive or no cause of death is recorded. A national resource available to the surveillance program is the NDI, which aids in death ascertainment for public health activities and health research. All state vital statistics offices send death record information to NCHS which are compiled to create a central index of the death information. NDI data include demographic information as well as date, location, and causes of death.

In 2012 HIV cases reported in Washington State were matched against NDI death records through 2010 for the first time. Matching criteria included first name, middle initial, last name, month, day and year of birth, social

security number (when available), race and birth sex. The surveillance program deemed a total of 8537 records probable matches. Of these, 8066 were determined to have sufficient information to be considered a match without further review. Many of these records contained no new information, so they were not imported into the state surveillance database. The other 471 required additional review to verify the accuracy of the match. In total, the surveillance program imported 5149 records into the state HIV surveillance database. Vital status was updated from alive to dead for 106 individuals. Many cases were updated with immediate and contributing causes of death. Finally, some cases were updated due to changes in ICD-9 and ICD-10 coding that allowed for more detail to be available.

What does this mean for this report? In Table 11 there is an increase of 485 in the total cumulative HIV/AIDS deaths when compared to the fourth quarter 2012 report. Updating vital status and cause of death information increased the accuracy of our surveillance information by enabling us to attribute additional deaths to HIV disease. This dramatic increase illustrates the benefits of using multiple sources of information for HIV surveillance, including for death reports. There are some additional death records to follow up on, so the number may increase slightly in the future. Use of NDI data is now a routine part of HIV surveillance in Washington and will be represented in future reports.

*For more information about HIV death information, contact Jen Reuer, at (360) 236-3427, or [jennifer.reuer@doh.wa.gov](mailto:jennifer.reuer@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.

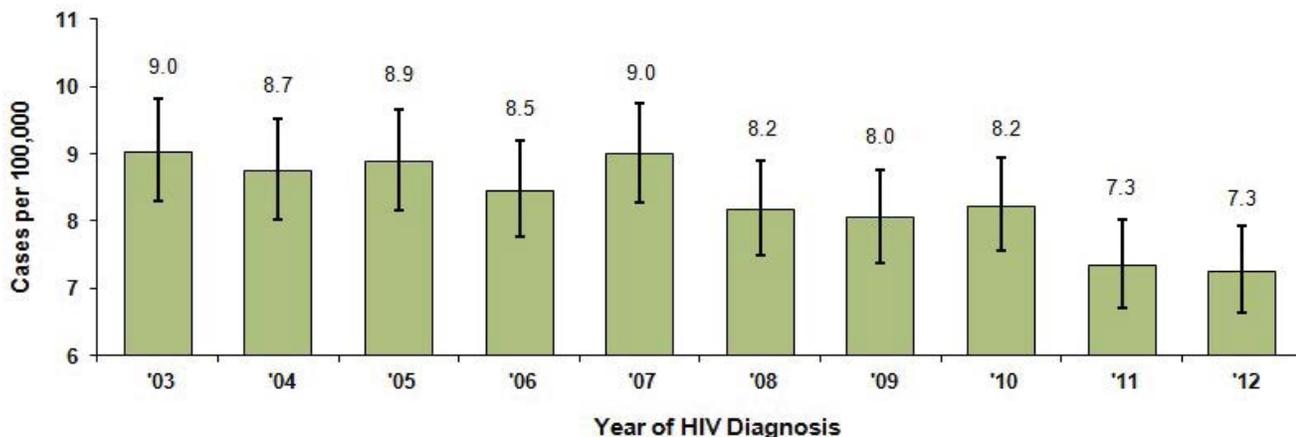
**New HIV Case:** A newly case of HIV disease, with or without AIDS, that has been diagnosed while living in Washington.

**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, 2003-2012



## STATISTICS: NEW HIV CASES (continued)

Table 1. New HIV Cases, 2007-2012

Year of HIV diagnosis:	Newly Diagnosed Cases of HIV Disease							Late HIV Diagnoses		
	2007 No.	2008 No.	2009 No.	2010 No.	2011 No.	2012 No.	2008-2012 No. %	Rate	2007-2011* %	
<b>Total</b>	587	540	537	553	497	495	2,622 100%	7.8	34%	
<b>Gender</b>										
Male	489	446	451	483	428	410	2,218 85%	13.2	35%	
Female	98	94	86	70	69	85	404 15%	2.4	29%	
<b>Age at HIV Diagnosis</b>										
NOTE: Age groups changed from previous editions										
< 13	3	3	8	10	6	8	35 1%	0.6	---	
13 - 24	90	79	80	74	66	77	376 14%	6.8	14%	
25 - 34	152	159	158	164	150	160	791 30%	17.0	28%	
35 - 44	181	156	143	155	125	130	709 27%	15.5	38%	
45 - 54	102	89	104	104	93	80	470 18%	9.6	47%	
55+	59	54	44	46	57	40	241 9%	2.9	54%	
<b>Race and Hispanic Origin</b>										
White	347	287	313	317	281	278	1,476 56%	6.0	31%	
Black	105	102	89	81	91	96	459 18%	39.8	35%	
Hispanic (all races)	90	96	86	104	76	61	423 16%	11.4	39%	
Asian	22	28	25	23	28	31	135 5%	5.7	48%	
Native Hawaiian / Pacific Islander	3	0	2	1	6	7	16 1%	8.3	---	
American Indian / Alaska Native	6	12	5	9	5	5	36 1%	8.1	54%	
Multiple Race	14	15	17	18	10	17	77 3%	6.5	30%	
Hispanic only:										
- White	47	33	32	32	40	27	164 6%	5.1	38%	
- Black	2	3	3	0	1	0	7 0%	---	---	
- Multiple / Other Race	6	3	7	7	3	4	24 1%	---	---	
- Unknown Race	35	57	44	65	32	30	228 9%	---	43%	
<b>Exposure Category by Gender</b>										
Male only:										
- Male / Male Sex (MSM)	337	297	314	346	292	274	1,523 58%	---	30%	
- Injecting Drug Use (IDU)	21	16	17	22	19	15	89 3%	---	46%	
- MSM and IDU	48	32	41	26	44	36	179 7%	---	27%	
- Heterosexual Contact	12	20	13	19	9	6	67 3%	---	71%	
- Pediatric	0	1	2	7	4	1	15 1%	---	---	
- Transfusion / Hemophiliac	0	0	0	0	0	0	0 0%	---	---	
- No Identified Risk	71	80	64	63	60	78	345 13%	---	57%	
Female only:										
- Injecting Drug Use	12	10	7	9	13	6	45 2%	---	24%	
- Heterosexual Contact	71	66	61	48	32	31	238 9%	---	31%	
- Pediatric	2	1	7	3	2	3	16 1%	---	---	
- Transfusion / Hemophiliac	1	1	0	0	0	0	1 0%	---	---	
- No Identified Risk	12	16	11	10	22	45	104 4%	---	28%	

All HIV/AIDS surveillance data reported to the Washington State Department of Health as of March 31, 2013.

\*Late HIV diagnoses based on new HIV cases diagnosed between 2007 and 2011

**STATISTICS: NEW HIV CASES (continued)**

**Table 2. New HIV Cases by Foreign-Born Status and Other Select Characteristics, 2008-2012**

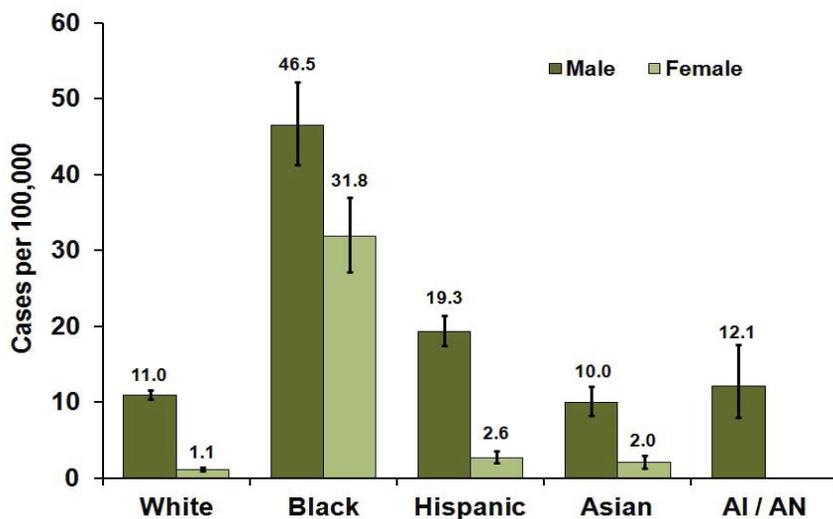
Characteristic:	Proportion of Cases with Select Characteristic at HIV Diagnosis						Total	
	Male	Age > 34 years**	MSM	Hetero-sexual	Late HIV Diagnosis*	Live in King Co.	No.	%
	%	%	%	%	%	%		
<b>U.S.-Born</b>								
White	91%	56%	79%	7%	33%	59%	1,297	73%
Black	81%	44%	60%	19%	30%	57%	236	13%
Hispanic (all races)	87%	40%	73%	9%	36%	58%	120	7%
Asian	90%	67%	90%	0%	38%	67%	21	1%
Native Hawaiian / Pacific Islander	75%	38%	75%	13%	63%	50%	8	0%
American Indian / Alaska Native	74%	57%	34%	29%	57%	17%	35	2%
Multiple Race	91%	38%	72%	11%	23%	55%	64	4%
<b>Total</b>	<b>89%</b>	<b>53%</b>	<b>75%</b>	<b>9%</b>	<b>33%</b>	<b>58%</b>	<b>1,781</b>	<b>100%</b>
<b>Foreign-Born</b>								
White	87%	66%	62%	7%	26%	51%	179	21%
Black	44%	58%	7%	30%	43%	65%	223	27%
Hispanic (all races)	90%	50%	60%	12%	45%	50%	303	36%
Asian	79%	59%	46%	15%	46%	62%	114	14%
Native Hawaiian / Pacific Islander	88%	50%	50%	13%	38%	25%	8	1%
American Indian / Alaska Native	100%	0%	0%	0%	0%	0%	1	0%
Multiple Race	69%	69%	46%	31%	54%	38%	13	2%
<b>Total</b>	<b>75%</b>	<b>57%</b>	<b>44%</b>	<b>17%</b>	<b>40%</b>	<b>56%</b>	<b>841</b>	<b>100%</b>

All HIV/AIDS surveillance data reported to the Washington State Department of Health as of March 31, 2013.

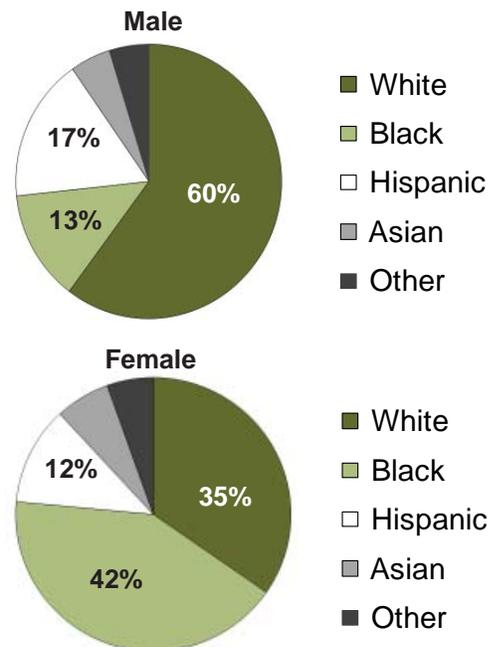
\*Late HIV diagnoses based on new HIV cases diagnosed between 2007 and 2011

\*\*NOTE: Age group changed from previous editions

**Figure 5. New HIV Case Rates by Race/Ethnicity and Gender, Washington State, 2008-2012**



**Figure 6. New HIV Cases by Gender and Race/Ethnicity, 2008-2012**



## 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
	2007 No.	2008 No.	2009 No.	2010 No.	2011 No.	2012 No.	2008-2012 No. %	Rate	1982-2012 No. %	2007-2011 %	
Adams Co.	0	0	1	0	1	0	2 0%	---	8 0%	---	
Asotin Co.	0	1	2	2	1	0	6 0%	---	26 0%	---	
Benton Co.	5	1	6	6	13	7	33 1%	3.8	148 1%	45%	
Benton-Franklin HD	8	6	12	10	14	9	51 2%	4.0	237 1%	46%	
Chelan Co.	3	1	3	5	4	3	16 1%	4.4	81 0%	---	
Chelan-Douglas HD	5	1	4	7	5	3	20 1%	3.6	91 0%	59%	
Clallam Co.	0	2	3	1	3	3	12 0%	3.4	85 0%	---	
Clark Co.	41	17	20	31	28	20	116 4%	5.4	752 4%	44%	
Columbia Co.	2	0	0	0	0	0	0 0%	---	6 0%	---	
Cowlitz Co.	5	5	4	5	4	4	22 1%	4.4	159 1%	---	
Douglas Co.	2	0	1	2	1	0	4 0%	---	10 0%	---	
Ferry Co.	1	0	0	0	0	0	0 0%	---	8 0%	---	
Franklin Co.	3	5	6	4	1	2	18 1%	4.6	89 0%	---	
Garfield Co.	0	0	0	0	0	0	0 0%	---	1 0%	---	
Grant Co.	3	3	1	3	3	3	13 0%	2.9	59 0%	---	
Grays Harbor Co.	2	6	0	5	4	5	20 1%	5.5	99 1%	---	
Island Co.	2	3	8	3	1	4	19 1%	4.8	94 0%	---	
Jefferson Co.	1	0	0	0	0	1	1 0%	---	38 0%	---	
King Co.	318	315	299	322	273	291	1,500 57%	15.6	12,015 63%	31%	
Kitsap Co.	7	7	10	2	6	14	39 1%	3.1	336 2%	44%	
Kittitas Co.	0	0	0	0	0	0	0 0%	---	25 0%	---	
Klickitat Co.	1	0	0	0	0	1	1 0%	---	17 0%	---	
Lewis Co.	1	2	4	0	5	1	12 0%	3.2	67 0%	---	
Lincoln Co.	0	0	0	0	0	0	0 0%	---	4 0%	---	
Mason Co.	7	8	3	11	7	7	36 1%	11.8	137 1%	---	
NE Tri-County HD	1	1	1	0	1	0	3 0%	---	46 0%	---	
Okanogan Co.	1	3	3	0	1	4	11 0%	---	45 0%	---	
Pacific Co.	2	1	1	0	0	2	4 0%	---	34 0%	---	
Pend Oreille Co.	0	0	0	0	0	0	0 0%	---	9 0%	---	
Pierce Co.	61	58	61	61	56	45	281 11%	7.0	1,753 9%	28%	
San Juan Co.	1	0	1	2	0	0	3 0%	---	29 0%	---	
Skagit Co.	3	4	1	4	5	5	19 1%	3.2	108 1%	---	
Skamania Co.	0	0	1	0	0	0	1 0%	---	9 0%	---	
Snohomish Co.	43	36	41	33	32	41	183 7%	5.1	1,130 6%	40%	
Spokane Co.	36	26	18	21	26	14	105 4%	4.5	788 4%	36%	
Stevens Co.	0	1	1	0	1	0	3 0%	---	29 0%	---	
Thurston Co.	15	8	12	12	6	4	42 2%	3.3	302 2%	40%	
Wahkiakum Co.	0	0	0	0	0	0	0 0%	---	3 0%	---	
Walla Walla Co.	0	3	0	0	0	2	5 0%	---	67 0%	---	
Whatcom Co.	9	10	8	1	6	5	30 1%	3.0	250 1%	38%	
Whitman Co.	0	2	1	1	1	0	5 0%	---	23 0%	---	
Yakima Co.	12	12	17	16	8	7	60 2%	4.9	297 2%	55%	
<b>Statewide Total</b>	<b>587</b>	<b>540</b>	<b>537</b>	<b>553</b>	<b>497</b>	<b>495</b>	<b>2,622 100%</b>	<b>7.8</b>	<b>19,140 100%</b>	<b>34%</b>	

All HIV/AIDS surveillance data reported to the Washington State Department of Health as of March 31, 2013.

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, 2008-2012

CD4 count, cells/ $\mu$ L:	Stage of Infection at HIV Diagnosis (among cases with CD4 information)				Median CD4 Count cells/ $\mu$ L	Cases with CD4 Information		Total Cases No.
	$\geq 500$	350-499	200-349	< 200		No.	% of total	
	%	%	%	%				
<b>Total</b>	31%	20%	18%	31%	353	2,195	84%	2,622
<b>Gender</b>								
Male	30%	20%	19%	31%	349	1,858	84%	2,218
Female	35%	20%	18%	28%	368	337	83%	404
<b>Age at HIV Diagnosis</b>								
<b>NOTE: Age groups changed from previous editions</b>								
< 13	92%	4%	4%	0%	924	26	74%	35
13 - 24	40%	28%	20%	13%	426	287	76%	376
25 - 34	33%	23%	21%	23%	390	662	84%	791
35 - 44	29%	19%	18%	34%	335	612	86%	709
45 - 54	23%	16%	18%	43%	246	403	86%	470
55+	20%	13%	15%	52%	185	205	85%	241
<b>Race and Hispanic Origin</b>								
White	35%	21%	16%	28%	387	1,245	84%	1,476
Black	31%	19%	20%	30%	351	369	80%	459
Hispanic (all races)	22%	19%	22%	37%	294	357	84%	423
Asian	18%	19%	23%	40%	240	117	87%	135
Native Hawaiian / Pacific Islander	0%	14%	36%	50%	196	14	88%	16
American Indian / Alaska Native	22%	13%	16%	50%	213	32	89%	36
Multiple Race	30%	23%	21%	26%	361	61	79%	77
Hispanic only:								
- White	30%	19%	22%	29%	329	134	82%	164
- Black	29%	0%	29%	43%	214	7	100%	7
- Multiple / Other Race	41%	24%	12%	24%	460	17	71%	24
- Unknown Race	16%	19%	23%	43%	276	199	87%	228
<b>Exposure Category by Gender</b>								
Male only:								
- Male / Male Sex (MSM)	33%	23%	19%	26%	386	1,307	86%	1,523
- Injecting Drug Use (IDU)	20%	13%	14%	54%	163	71	80%	89
- MSM and IDU	35%	23%	23%	19%	411	149	83%	179
- Heterosexual Contact	11%	11%	21%	57%	165	53	79%	67
- Pediatric	73%	9%	9%	9%	1,244	11	73%	15
- Transfusion / Hemophiliac	---	---	---	---	---	0	---	0
- No Identified Risk	18%	8%	18%	55%	163	267	77%	345
Female only:								
- Injecting Drug Use	37%	24%	18%	21%	412	38	84%	45
- Heterosexual Contact	33%	17%	20%	30%	348	198	83%	238
- Pediatric	85%	0%	8%	8%	775	13	81%	16
- Transfusion / Hemophiliac	0%	0%	0%	0%	---	0	0%	1
- No Identified Risk	30%	27%	13%	31%	362	88	85%	104

All HIV/AIDS surveillance data reported to the Washington State Department of Health as of March 31, 2013.

## STATISTICS: NEW HIV CASES (continued)

**Table 5. First CD4 Test Results among New HIV Cases, by County and Combined Local Health District (HD), 2008-2012**

CD4 count, cells/ $\mu$ L:	Stage of Infection at HIV Diagnosis (among cases with CD4 information)				Median CD4 Count cells/ $\mu$ L	Cases with CD4 Information		Total Cases No.
	$\geq 500$	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.	24%	34%	7%	34%	365	29	88%	33
Benton-Franklin HD	23%	32%	9%	36%	365	44	86%	51
Chelan Co.	14%	21%	7%	57%	125	14	88%	16
Chelan-Douglas HD	17%	22%	6%	56%	152	18	90%	20
Clallam Co.	14%	14%	14%	57%	52	7	58%	12
Clark Co.	20%	14%	21%	46%	228	87	75%	116
Columbia Co.	---	---	---	---	---	0	---	0
Cowlitz Co.	21%	7%	43%	29%	238	14	64%	22
Douglas Co.	25%	25%	0%	50%	246	4	100%	4
Ferry Co.	---	---	---	---	---	0	---	0
Franklin Co.	20%	27%	13%	40%	272	15	83%	18
Garfield Co.	---	---	---	---	---	0	---	0
Grant Co.	27%	36%	9%	27%	396	11	85%	13
Grays Harbor Co.	33%	7%	7%	53%	169	15	75%	20
Island Co.	47%	13%	7%	33%	444	15	79%	19
Jefferson Co.	0%	0%	100%	0%	255	1	100%	1
King Co.	33%	23%	19%	26%	382	1,357	90%	1,500
Kitsap Co.	25%	19%	19%	38%	293	32	82%	39
Kittitas Co.	---	---	---	---	---	0	---	0
Klickitat Co.	0%	0%	0%	100%	4	1	100%	1
Lewis Co.	40%	20%	10%	30%	467	10	83%	12
Lincoln Co.	---	---	---	---	---	0	---	0
Mason Co.	20%	5%	35%	40%	260	20	56%	36
NE Tri-County HD	0%	0%	0%	100%	24	1	33%	3
Okanogan Co.	0%	0%	0%	100%	10	6	55%	11
Pacific Co.	33%	0%	33%	33%	342	3	75%	4
Pend Oreille Co.	---	---	---	---	---	0	---	0
Pierce Co.	32%	20%	17%	31%	362	175	62%	281
San Juan Co.	33%	0%	0%	67%	160	3	100%	3
Skagit Co.	40%	27%	7%	27%	410	15	79%	19
Skamania Co.	0%	0%	100%	0%	315	1	100%	1
Snohomish Co.	27%	15%	25%	33%	290	150	82%	183
Spokane Co.	25%	16%	15%	43%	282	92	88%	105
Stevens Co.	0%	0%	0%	100%	24	1	33%	3
Thurston Co.	50%	3%	13%	34%	464	32	76%	42
Wahkiakum Co.	---	---	---	---	---	0	---	0
Walla Walla Co.	0%	25%	0%	75%	102	4	80%	5
Whatcom Co.	28%	6%	17%	50%	194	18	60%	30
Whitman Co.	40%	0%	0%	60%	191	5	100%	5
Yakima Co.	22%	4%	18%	56%	169	50	83%	60
<b>Statwide Total</b>	<b>31%</b>	<b>20%</b>	<b>18%</b>	<b>31%</b>	<b>353</b>	<b>2,195</b>	<b>84%</b>	<b>2,622</b>

All HIV/AIDS surveillance data reported to the Washington State Department of Health as of March 31, 2013.

## STATISTICS: PEOPLE LIVING WITH HIV

**Table 6. People Living with HIV Disease as of December 31, 2012**

	HIV (not AIDS)			AIDS			All Cases of HIV Disease		
	No.	%	Rate	No.	%	Rate	No.	%	Rate
<b>Total</b>	4,989	100%	73.2	6,329	100%	92.8	11,318	100%	166.0
<b>Gender</b>									
Male	4,233	85%	124.6	5,503	87%	162.0	9,736	86%	286.6
Female	756	15%	22.1	826	13%	24.1	1,582	14%	46.2
<b>Current age</b>									
<b>NOTE: Age groups changed from previous editions</b>									
< 13	31	1%	2.7	1	0%	0.0	32	0%	4.7
13 - 24	214	4%	22.4	54	1%	18.7	268	2%	80.1
25 - 34	969	19%	102.3	472	7%	90.8	1,441	13%	218.6
35 - 44	1,408	28%	155.4	1,482	23%	241.7	2,890	26%	418.6
45 - 54	1,535	31%	158.8	2,558	40%	223.6	4,093	36%	336.7
55+	832	17%	46.8	1,762	28%	67.4	2,594	23%	99.4
<b>Race and Hispanic Origin*</b>									
White	3,365	67%	68.0	4,148	66%	83.9	7,513	66%	151.9
Black	768	15%	326.1	966	15%	410.2	1,734	15%	736.3
Hispanic (all races)	545	11%	70.5	784	12%	101.4	1,329	12%	171.9
Asian	155	3%	31.8	197	3%	40.4	352	3%	72.3
Native Hawaiian / Pacific Islander	17	0%	---	30	0%	75.3	47	0%	117.9
American Indian / Alaska Native	52	1%	57.7	97	2%	107.6	149	1%	165.3
Multiple Race	81	2%	32.8	101	2%	40.9	182	2%	73.6
Hispanic only:									
- White	205	4%	31.0	193	3%	29.0	398	4%	60.0
- Black	12	0%	---	19	0%	90.2	31	0%	147.1
- Multiple / Other Race	35	1%	---	19	0%	---	54	0%	---
- Unknown Race	293	6%	---	553	9%	---	846	7%	---
<b>Exposure Category by Gender</b>									
Male only:									
- Male / Male Sex (MSM)	3,230	65%	---	3,775	60%	---	7,005	62%	---
- Injecting Drug Use (IDU)	161	3%	---	343	5%	---	504	4%	---
- MSM and IDU	381	8%	---	599	9%	---	980	9%	---
- Heterosexual Contact	116	2%	---	280	4%	---	396	3%	---
- Pediatric	25	1%	---	9	0%	---	34	0%	---
- Transfusion / Hemophiliac	5	0%	---	35	1%	---	40	0%	---
- No Identified Risk	315	6%	---	462	7%	---	777	7%	---
Female only:									
- Injecting Drug Use	104	2%	---	167	3%	---	271	2%	---
- Heterosexual Contact	491	10%	---	563	9%	---	1,054	9%	---
- Pediatric	29	1%	---	13	0%	---	42	0%	---
- Transfusion / Hemophiliac	6	0%	---	13	0%	---	19	0%	---
- No Identified Risk	126	3%	---	70	1%	---	196	2%	---

All HIV/AIDS surveillance data reported to the Washington State Department of Health as of March 31, 2013.

\* Section excludes 12 cases (6 with HIV, 6 with AIDS) for which we do not have information about race or ethnicity.

STATISTICS: PEOPLE LIVING WITH HIV (continued)

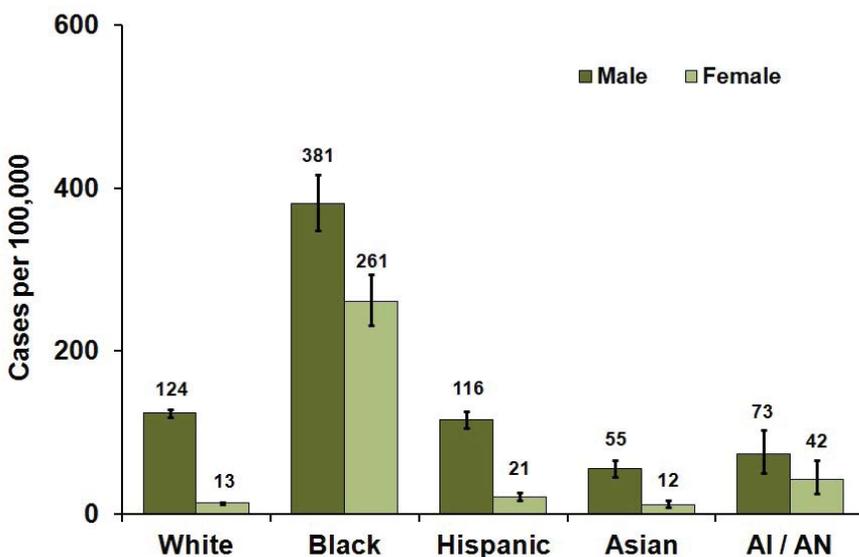
**Table 7. Living HIV Cases\* by Exposure Category, Gender and Race/Ethnicity, as of December 31, 2012**

Exposure category	White		Black		Hispanic		Asian		American Indian / Alaska Native	
	No.	%	No.	%	No.	%	No.	%	No.	%
<b>Males:</b>										
Male / Male Sex (MSM)	5,270	77%	572	50%	775	67%	192	69%	54	53%
Injecting Drug Use (IDU)	320	5%	87	8%	66	6%	8	3%	12	12%
MSM and IDU	772	11%	66	6%	83	7%	9	3%	20	20%
Heterosexual Contact	132	2%	166	14%	71	6%	14	5%	8	8%
Pediatric	7	0%	20	2%	2	0%	2	1%	1	1%
Transfusion / Hemophiliac	35	1%	3	0%	2	0%	0	0%	0	0%
No Identified Risk	299	4%	240	21%	163	14%	55	20%	6	6%
<b>Total Males</b>	<b>6,835</b>	<b>100%</b>	<b>1,154</b>	<b>100%</b>	<b>1,162</b>	<b>100%</b>	<b>280</b>	<b>100%</b>	<b>101</b>	<b>100%</b>
<b>Females:</b>										
Injecting Drug Use (IDU)	171	25%	56	10%	19	11%	3	4%	14	29%
Heterosexual Contact	438	65%	388	67%	122	73%	50	69%	32	67%
Pediatric	9	1%	24	4%	5	3%	4	6%	0	0%
Transfusion / Hemophiliac	6	1%	9	2%	1	1%	3	4%	0	0%
No Identified Risk	54	8%	103	18%	20	12%	12	17%	2	4%
<b>Total Females</b>	<b>678</b>	<b>100%</b>	<b>580</b>	<b>100%</b>	<b>167</b>	<b>100%</b>	<b>72</b>	<b>100%</b>	<b>48</b>	<b>100%</b>

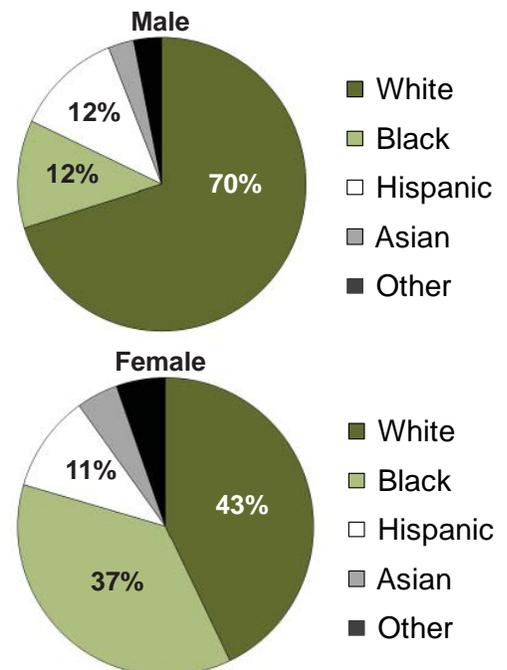
All HIV/AIDS surveillance data reported to the Washington State Department of Health as of March 31, 2013.

\* Table excludes 47 Native Hawaiian and Pacific Islander cases due to small numbers. Also excluded are 182 cases reported as belonging to more than one racial or ethnic group, and 12 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, 2012**



**Figure 8. Living HIV Cases by Gender and Race/Ethnicity, as of December 31, 2012**



## 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, 2012**

	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%	82.6
Benton Co.	45	1%	24.8	66	1%	36.4	111	1%	61.3
Benton-Franklin HD	72	1%	27.2	107	2%	40.4	179	2%	67.6
Chelan Co.	23	0%	31.3	25	0%	34.0	48	0%	65.2
Chelan-Douglas HD	26	1%	23.0	29	0%	25.6	55	0%	48.6
Clallam Co.	19	0%	26.2	25	0%	34.5	44	0%	60.8
Clark Co.	208	4%	47.8	266	4%	61.2	474	4%	109.0
Columbia Co.	0	0%	---	3	0%	---	3	0%	---
Cowlitz Co.	47	1%	45.3	46	1%	44.3	93	1%	89.5
Douglas Co.	3	0%	---	4	0%	---	7	0%	---
Ferry Co.	0	0%	---	1	0%	---	1	0%	---
Franklin Co.	27	1%	32.3	41	1%	49.1	68	1%	81.4
Garfield Co.	1	0%	---	0	0%	---	1	0%	---
Grant Co.	15	0%	16.2	24	0%	26.0	39	0%	42.2
Grays Harbor Co.	20	0%	27.3	39	1%	53.2	59	1%	80.5
Island Co.	25	1%	31.5	28	0%	35.3	53	0%	66.9
Jefferson Co.	11	0%	---	12	0%	39.5	23	0%	75.7
King Co.	3,163	63%	160.8	3,840	61%	195.2	7,003	62%	356.0
Kitsap Co.	85	2%	33.2	113	2%	44.2	198	2%	77.4
Kittitas Co.	3	0%	---	13	0%	30.8	16	0%	37.9
Klickitat Co.	6	0%	---	3	0%	---	9	0%	---
Lewis Co.	11	0%	---	23	0%	30.0	34	0%	44.3
Lincoln Co.	0	0%	---	2	0%	---	2	0%	---
Mason Co.	42	1%	67.1	59	1%	94.2	101	1%	161.3
NE Tri-County HD	6	0%	---	7	0%	---	13	0%	20.1
Okanogan Co.	10	0%	---	19	0%	46.0	29	0%	70.1
Pacific Co.	12	0%	57.4	11	0%	---	23	0%	110.0
Pend Oreille Co.	0	0%	---	3	0%	---	3	0%	---
Pierce Co.	487	10%	60.2	534	8%	66.1	1,021	9%	126.3
San Juan Co.	6	0%	---	11	0%	---	17	0%	106.2
Skagit Co.	27	1%	22.7	35	1%	29.4	62	1%	52.1
Skamania Co.	0	0%	---	1	0%	---	1	0%	---
Snohomish Co.	294	6%	40.4	432	7%	59.3	726	6%	99.7
Spokane Co.	178	4%	37.0	264	4%	54.9	442	4%	92.0
Stevens Co.	6	0%	---	3	0%	---	9	0%	---
Thurston Co.	71	1%	27.3	119	2%	45.8	190	2%	73.1
Wahkiakum Co.	1	0%	---	2	0%	---	3	0%	---
Walla Walla Co.	7	0%	---	26	0%	43.8	33	0%	55.6
Whatcom Co.	57	1%	27.7	88	1%	42.8	145	1%	70.5
Whitman Co.	5	0%	---	14	0%	30.8	19	0%	41.8
Yakima Co.	68	1%	27.5	116	2%	46.9	184	2%	74.4
<b>Statewide Total</b>	<b>4,989</b>	<b>100%</b>	<b>73.2</b>	<b>6,329</b>	<b>100%</b>	<b>92.8</b>	<b>11,318</b>	<b>100%</b>	<b>166.0</b>

All HIV/AIDS surveillance data reported to the Washington State Department of Health as of March 31, 2013.

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, 2012**

Viral Load, copies/mL:	Viral Load Results in 2012 (among cases with VL information)			Mean Viral Load copies/mL	Cases with a Viral Load Result in 2012		Total Cases No.
	High VL ≥ 100,000	201 - 99,999	Suppressed VL ≤ 200		No.	% of total	
	%	%	%				
<b>Total</b>	3%	14%	84%	502	7,192	64%	11,318
<b>Gender</b>							
Male	3%	13%	84%	469	6,174	63%	9,736
Female	3%	16%	82%	776	1,018	64%	1,582
<b>Age at HIV Diagnosis</b>							
<b>NOTE: Age groups changed from previous editions</b>							
< 13	0%	13%	87%	824	31	97%	32
13 - 24	5%	33%	62%	3,167	196	73%	268
25 - 34	4%	24%	72%	1,411	942	65%	1,441
35 - 44	4%	16%	79%	866	1,810	63%	2,890
45 - 54	2%	11%	87%	322	2,610	64%	4,093
55+	1%	7%	92%	133	1,603	62%	2,594
<b>Race and Hispanic Origin*</b>							
White	3%	12%	85%	394	4,837	64%	7,513
Black	3%	16%	81%	828	1,068	62%	1,734
Hispanic (all races)	3%	15%	82%	731	767	58%	1,329
Asian	2%	13%	85%	568	240	68%	352
Native Hawaiian / Pacific Islander	14%	19%	68%	5,341	37	79%	47
American Indian / Alaska Native	2%	18%	80%	936	106	71%	149
Multiple Race	5%	18%	76%	2,299	131	72%	182
Hispanic only:							
- White	3%	19%	78%	980	250	63%	398
- Black	11%	26%	63%	1,245	19	61%	31
- Multiple / Other Race	0%	14%	86%	247	28	52%	54
- Unknown Race	3%	13%	84%	623	470	56%	846
<b>Exposure Category by Gender</b>							
Male only:							
- Male / Male Sex (MSM)	2%	12%	85%	390	4,524	65%	7,005
- Injecting Drug Use (IDU)	3%	17%	80%	754	292	58%	504
- MSM and IDU	5%	18%	77%	1,123	612	62%	980
- Heterosexual Contact	3%	9%	87%	331	232	59%	396
- Pediatric	0%	21%	79%	815	29	85%	34
- Transfusion / Hemophiliac	0%	11%	89%	280	27	68%	40
- No Identified Risk	3%	17%	81%	626	458	59%	777
Female only:							
- Injecting Drug Use	4%	20%	75%	1,367	179	66%	271
- Heterosexual Contact	2%	14%	84%	669	666	63%	1,054
- Pediatric	0%	26%	74%	2,437	34	81%	42
- Transfusion / Hemophiliac	0%	33%	67%	1,672	9	47%	19
- No Identified Risk	2%	15%	83%	469	130	66%	196

All HIV/AIDS surveillance data reported to the Washington State Department of Health as of March 31, 2013.

\* Section excludes 12 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, 2012**

Viral Load, copies/mL:	Viral Load Results in 2012 (among cases with VL information)			Mean Viral Load copies/mL	Cases with a Viral Load Result in 2012		Total Cases No.
	High VL ≥ 100,000	201 - 99,999	Suppressed VL ≤ 200		No.	% of total	
	%	%	%				
Adams Co.	0%	25%	75%	9	4	67%	6
Asotin Co.	8%	31%	62%	753	13	72%	18
Benton Co.	3%	16%	81%	62	69	62%	111
Benton-Franklin HD	3%	15%	82%	40	100	56%	179
Chelan Co.	0%	23%	77%	11	35	73%	48
Chelan-Douglas HD	0%	23%	77%	1	39	71%	55
Clallam Co.	0%	16%	84%	20	19	43%	44
Clark Co.	4%	15%	81%	1,600	214	45%	474
Columbia Co.	0%	0%	100%	0	2	67%	3
Cowlitz Co.	8%	15%	77%	1,675	39	42%	93
Douglas Co.	0%	25%	75%	5	4	57%	7
Ferry Co.	0%	0%	100%	0	1	100%	1
Franklin Co.	3%	13%	84%	73	31	46%	68
Garfield Co.	---	---	---	---	0	0%	1
Grant Co.	4%	13%	83%	8	24	62%	39
Grays Harbor Co.	0%	17%	83%	23	42	71%	59
Island Co.	0%	8%	92%	5	25	47%	53
Jefferson Co.	0%	14%	86%	4	14	61%	23
King Co.	3%	13%	85%	9	4,840	69%	7,003
Kitsap Co.	4%	13%	83%	8	99	50%	198
Kittitas Co.	0%	8%	92%	5	12	75%	16
Klickitat Co.	0%	0%	100%	1	5	56%	9
Lewis Co.	0%	21%	79%	35	19	56%	34
Lincoln Co.	---	---	---	---	0	0%	2
Mason Co.	2%	21%	77%	31	57	56%	101
NE Tri-County HD	0%	0%	100%	1	10	77%	13
Okanogan Co.	16%	26%	58%	270	19	66%	29
Pacific Co.	0%	14%	86%	51	14	61%	23
Pend Oreille Co.	0%	0%	100%	0	2	67%	3
Pierce Co.	5%	18%	78%	27	428	42%	1,021
San Juan Co.	0%	10%	90%	9	10	59%	17
Skagit Co.	4%	14%	82%	11	28	45%	62
Skamania Co.	0%	0%	100%	0	1	100%	1
Snohomish Co.	3%	14%	83%	13	483	67%	726
Spokane Co.	2%	13%	85%	107	293	66%	442
Stevens Co.	0%	0%	100%	3	7	78%	9
Thurston Co.	3%	14%	83%	39	114	60%	190
Wahkiakum Co.	---	---	---	0	0	0%	3
Walla Walla Co.	0%	5%	95%	37	19	58%	33
Whatcom Co.	3%	18%	78%	30	60	41%	145
Whitman Co.	0%	17%	83%	53	12	63%	19
Yakima Co.	1%	11%	87%	76	134	73%	184
<b>Statewide Total</b>	<b>3%</b>	<b>14%</b>	<b>84%</b>	<b>502</b>	<b>7,192</b>	<b>64%</b>	<b>11,318</b>

All HIV/AIDS surveillance data reported to the Washington State Department of Health as of March 31, 2013.

## 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	
	2008-2012			1982-2012		1982-2012	
	No.	%	Rate	No.	%	No.	%
<b>Total</b>	1,533	100%	4.6	13,622	100%	5,814	100%
<b>Gender</b>							
Male	1,302	85%	7.8	12,263	90%	5,442	94%
Female	231	15%	1.4	1,359	10%	372	6%
<b>Age at AIDS Diagnosis</b>						<b>Age at Death</b>	
NOTE: Age groups changed from previous editions							
< 13	1	0%	0.0	34	0%	9	0%
13 - 24	78	5%	1.4	537	4%	59	1%
25 - 34	365	24%	7.9	4,567	34%	1,436	25%
35 - 44	485	32%	10.6	5,269	39%	2,400	41%
45 - 54	405	26%	8.2	2,319	17%	1,233	21%
55+	199	13%	2.4	896	7%	677	12%
<b>Race and Hispanic Origin</b>							
White	855	56%	3.5	9,929	73%	4,699	81%
Black	270	18%	23.4	1,661	12%	523	9%
Hispanic (all races)	236	15%	6.3	1,233	9%	315	5%
Asian	77	5%	3.3	281	2%	67	1%
Native Hawaiian / Pacific Islander	11	1%	0.0	47	0%	15	0%
American Indian / Alaska Native	30	2%	6.7	216	2%	82	1%
Multiple or Unknown Race	54	4%	4.5	255	2%	113	2%
Hispanic only:							
- White	85	6%	2.7	368	3%	130	2%
- Black	6	0%	---	37	0%	12	0%
- Multiple / Other Race	9	1%	---	39	0%	12	0%
- Unknown Race	136	9%	---	789	6%	161	3%
<b>Exposure Category by Gender</b>							
Male only:							
- Male / Male Sex (MSM)	801	52%	---	8,683	64%	3,992	69%
- Injecting Drug Use (IDU)	86	6%	---	866	6%	406	7%
- MSM and IDU	133	9%	---	1,381	10%	603	10%
- Heterosexual Contact	69	5%	---	404	3%	99	2%
- Pediatric	4	0%	---	16	0%	5	0%
- Transfusion / Hemophiliac	1	0%	---	156	1%	100	2%
- No Identified Risk	208	14%	---	757	6%	237	4%
Female only:							
- Injecting Drug Use	47	3%	---	367	3%	131	2%
- Heterosexual Contact	144	9%	---	816	6%	183	3%
- Pediatric	3	0%	---	22	0%	5	0%
- Transfusion / Hemophiliac	1	0%	---	48	0%	24	0%
- No Identified Risk	36	2%	---	106	1%	29	0%

All HIV/AIDS surveillance data reported to the Washington State Department of Health as of March 31, 2013.