



**West Virginia
HIV/AIDS Surveillance Report
2014 May Update
West Virginia HIV/AIDS Program**

**West Virginia
HIV/AIDS Surveillance Report
May 2014**

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Data in this document are presented for diagnoses of HIV and AIDS reported to the West Virginia Department of Health and Human Resources through December 2013. Data are provisional and may vary in time due to new cases that are received and/or lost to other states. All data excludes individuals who currently reside in federal prison.

AIDS became a reportable disease by legislative rule in West Virginia in April 1984. HIV became reportable by name in West Virginia in September 1989.

**NOTICE TO HEALTH CARE PROVIDERS, LABORATORIES,
AND OTHERS RESPONSIBLE FOR DISEASE REPORTING:**

West Virginia Code §16-3C-8, §16-3-1et seq., 64CSR64, and 64CSR7 require that all positive HIV test results and all cases of AIDS as defined by the CDC must be reported to the West Virginia Bureau for Public Health. For information on the CDC AIDS case definition, to obtain case report forms, or to report a case, contact:

**West Virginia Division of STD, HIV and Hepatitis
350 Capitol Street, Room 125
Charleston, West Virginia 25301-3715
Telephone (304) 558-2195 or 1-800-642-8244**

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HIV – Not AIDS

Number of HIV Cases by Select Characteristics in West Virginia from 9/1989-12/2013							
Characteristic	Cumulative						Cumulative through 2013*
	through 2008	2009	2010	2011	2012	2013	
Age at Diagnosis							
<13	7	<5	<5	<5	<5	<5	12
13-24	169	6	9	14	10	8	216
25-44	453	27	25	21	26	11	563
45-64	84	7	7	9	7	13	127
65+	6	<5	<5	<5	<5	<5	7
Gender							
Males	541	30	35	33	29	26	695
Females	178	14	6	12	14	7	231
Race/Ethnicity							
White	457	32	32	33	29	25	609
Black	232	12	6	8	10	5	273
Hispanic	16	<5	<5	<5	<5	<5	24
Asian, Native Hawaiian or Pacific Islander	<5	<5	<5	<5	<5	<5	<5
American Indian or Alaskan Native	<5	<5	<5	<5	<5	<5	<5
Multiple Race	7	<5	<5	<5	<5	<5	13
Exposure Category							
Male-to-male sex (MSM)	352	19	24	26	16	15	452
Injection drug use (IDU)	119	<5	5	5	<5	<5	139
MSM/IDU	21	<5	<5	<5	<5	<5	27
Heterosexual contact	115	12	5	10	8	<5	153
Perinatal	8	<5	<5	<5	<5	<5	13
Other†/Unknown	104	5	6	<5	13	11	142
Total	719	44	41	45	43	33	926

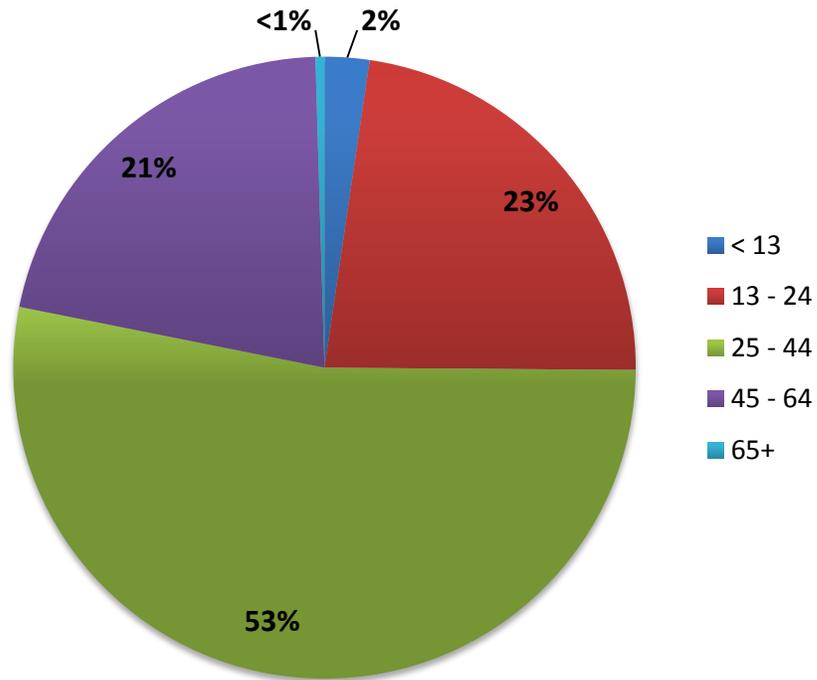
Data Source: West Virginia Bureau for Public Health (BPH), Department of Health and Human Resources (DHHR), Enhanced HIV/AIDS Reporting System (eHARS)

Notes: Data reflects HIV case numbers reported to the DHHR, BPH as of December 31, 2013. No adjustments were made for reporting delays. Numbers include only persons diagnosed with HIV infection who have not been diagnosed with AIDS as of December 31, 2013. Data are provisional and may vary in time due to new cases that are received and/or lost to other states. Only cases with West Virginia residence at diagnosis are reported. All data excludes individuals who currently reside in Federal prison.

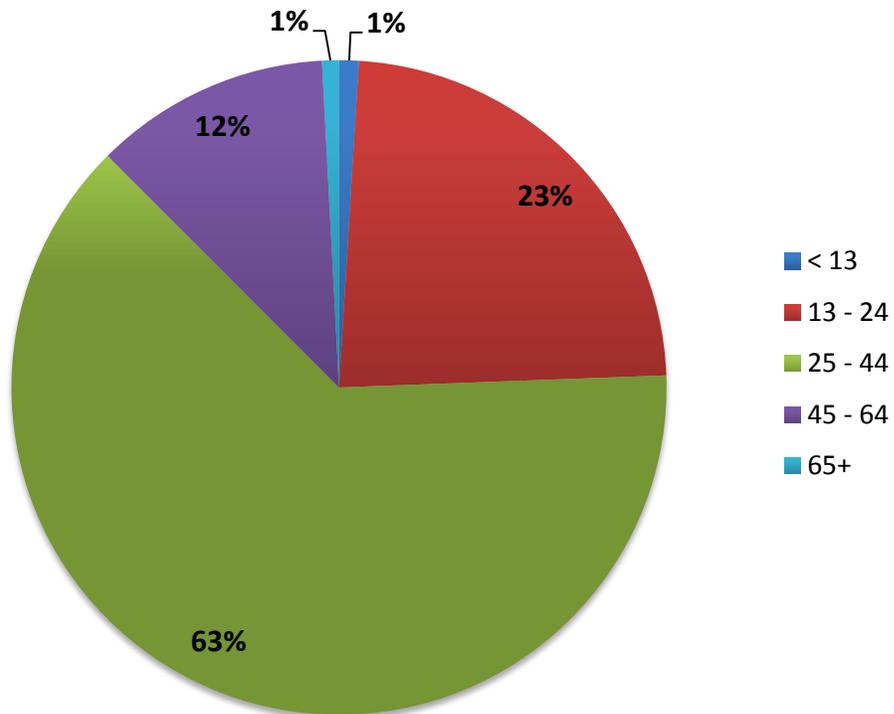
*Cumulative number of HIV-Not AIDS cases includes one case with unknown diagnosis year.

†"Other" risk category includes hemophilia, blood transfusion, and risk not reported or not identified.

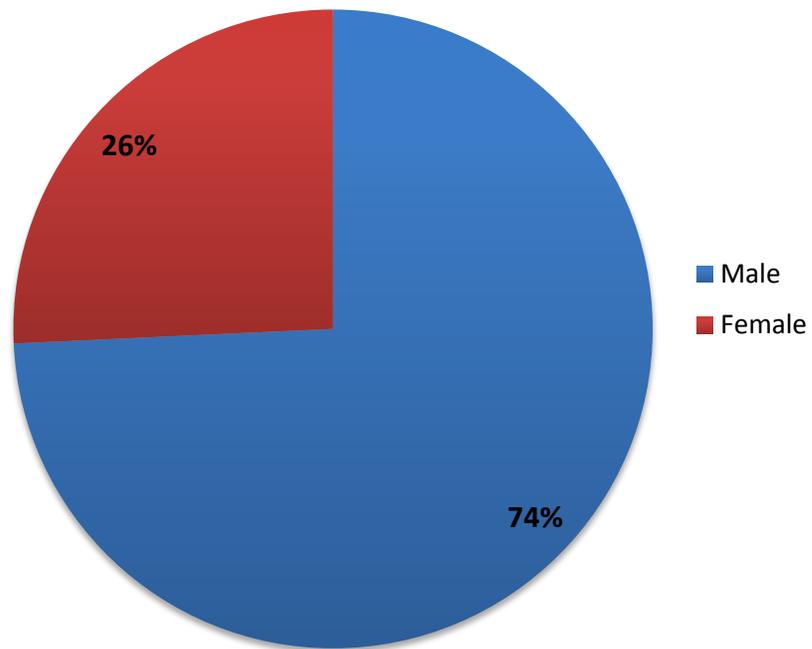
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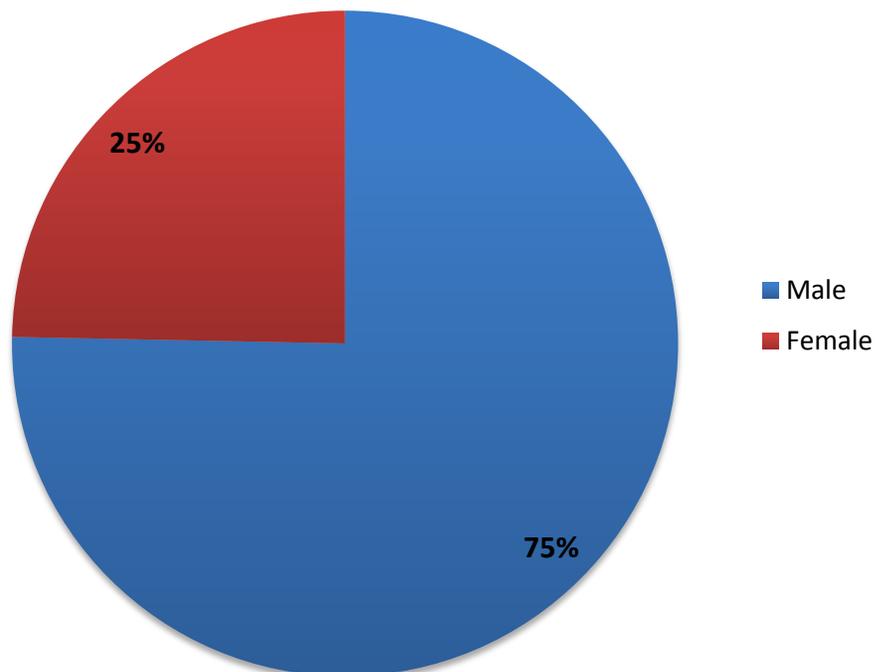
Percentage of HIV Cases by Age at Diagnosis in West Virginia from 1989-2008



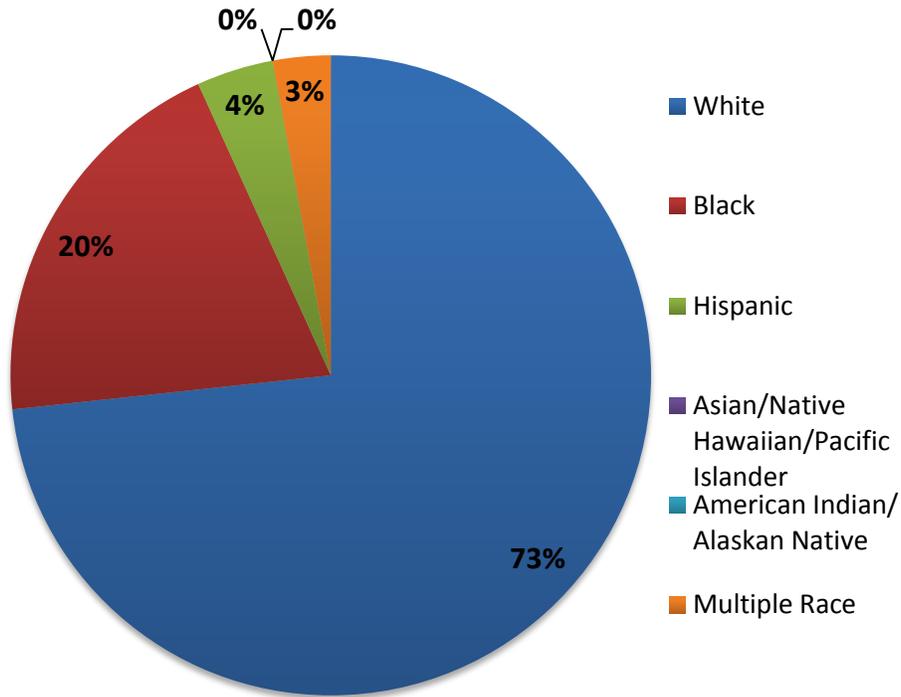
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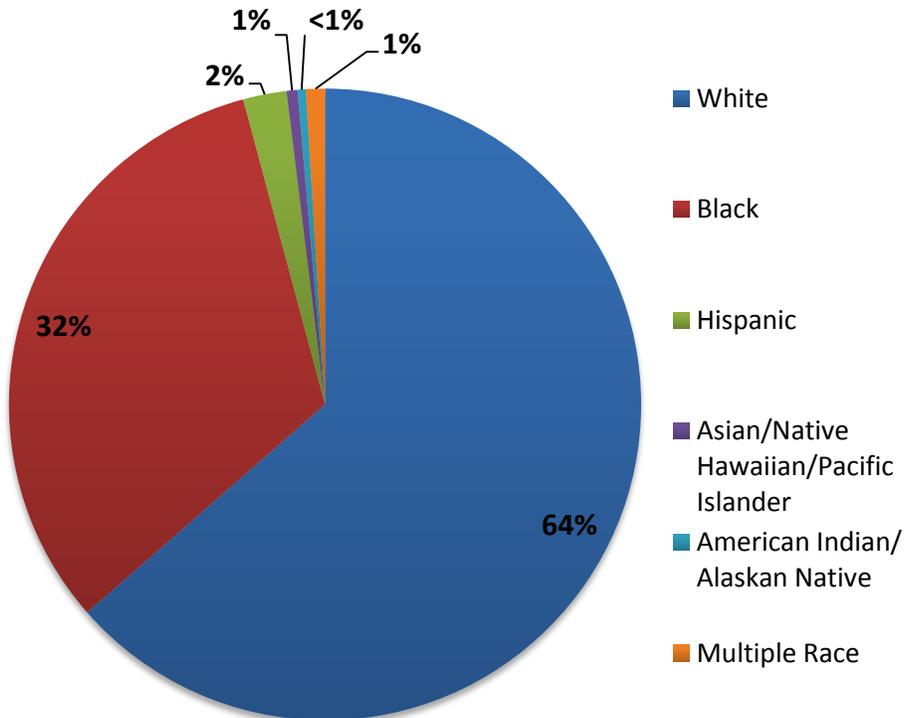
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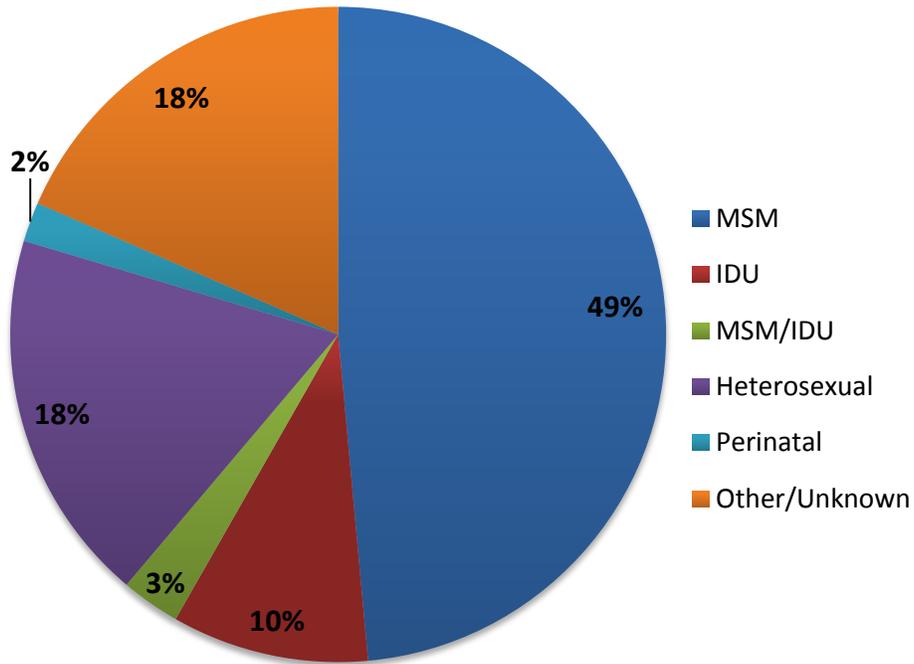
Percentage of HIV Cases by Race in West Virginia from 2009-2013



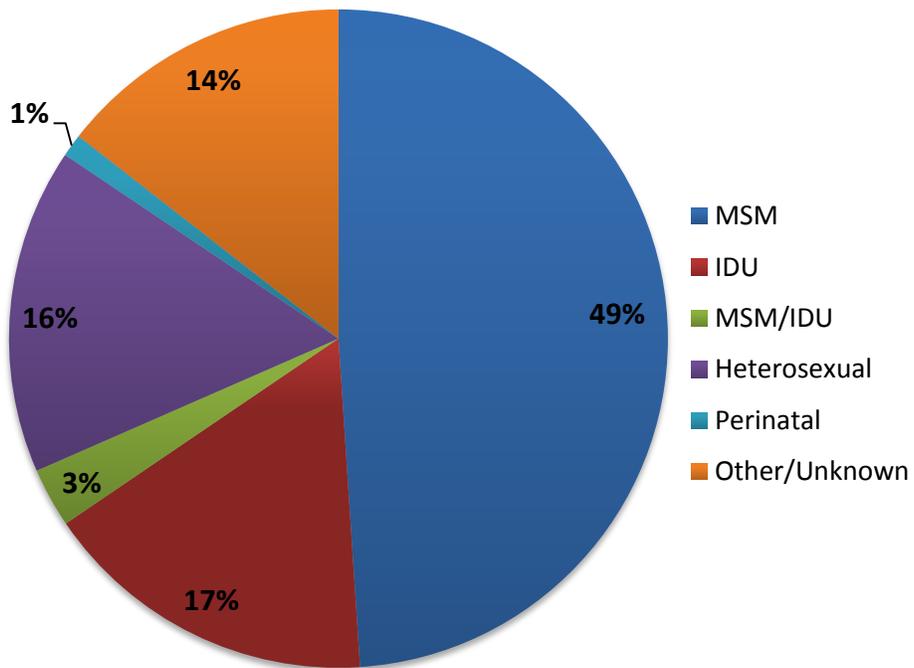
Percentage of HIV Cases by Race in West Virginia from 1989-2008



Percentage of HIV Cases by Exposure Category in West Virginia from 2009-2013



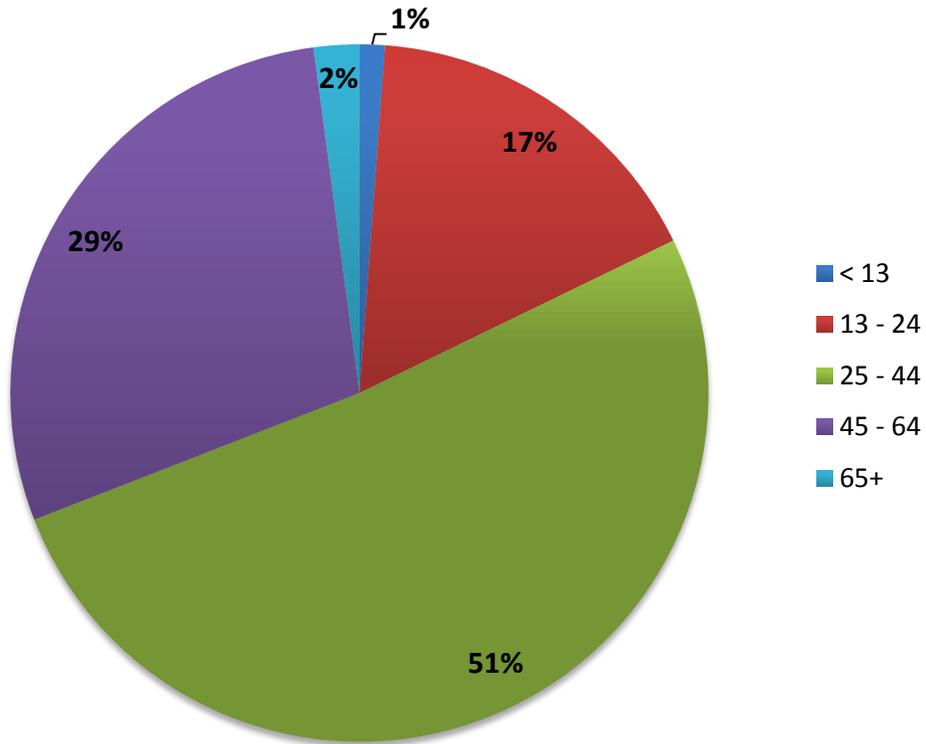
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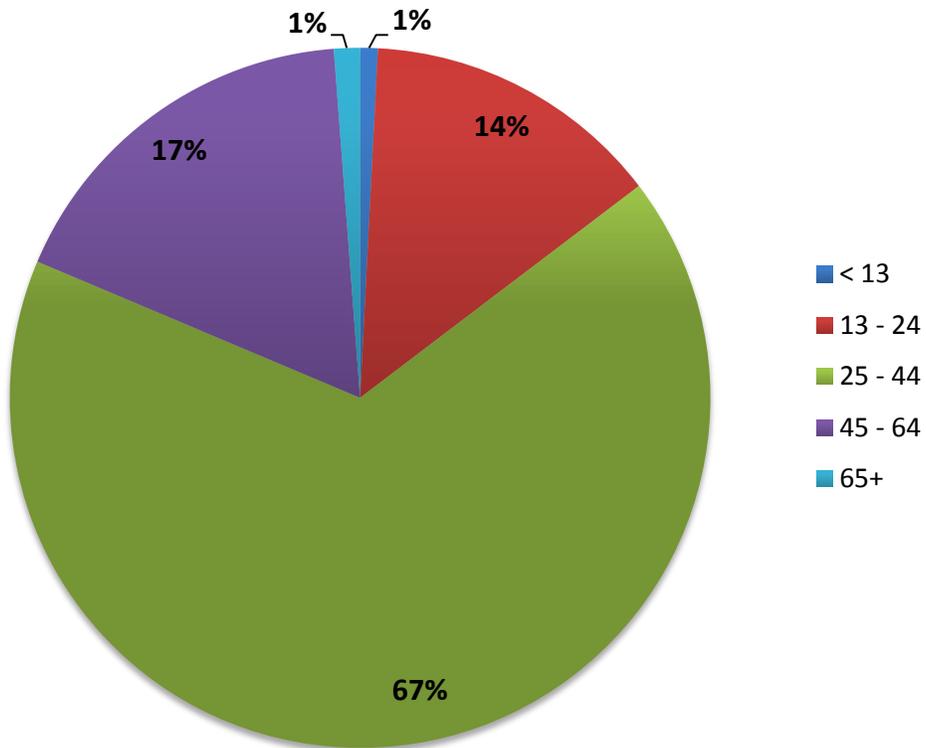
HIV/AIDS

Number of HIV/AIDS Cases by Select Characteristics in West Virginia from 4/1984-12/2013							
Characteristic	Cumulative						Cumulative through 2013*
	through 2008	2009	2010	2011	2012	2013	
Age at Diagnosis							
<13	19	<5	<5	<5	<5	<5	24
13-24	323	10	14	19	16	10	392
25-44	1,554	49	44	39	41	34	1,761
45-64	407	25	26	30	19	20	527
65+	28	<5	<5	<5	<5	<5	37
Gender							
Males	1,891	69	73	71	61	56	2,222
Females	440	20	11	21	17	11	520
Race/Ethnicity							
White	1,729	59	59	69	50	49	2,016
Black	529	29	18	15	21	11	623
Hispanic	38	<5	<5	<5	<5	5	56
Asian, Native Hawaiian or Pacific Islander	6	<5	<5	<5	<5	<5	7
American Indian or Alaskan Native	5	<5	<5	<5	<5	<5	5
Multiple Race	24	<5	<5	<5	<5	<5	35
Exposure Category							
Male-to-male sex (MSM)	1,237	44	49	50	37	33	1,450
Injection drug use (IDU)	359	13	7	11	5	8	403
MSM/IDU	104	<5	<5	7	<5	<5	122
Heterosexual contact	314	18	12	20	12	5	381
Perinatal	20	<5	<5	<5	<5	<5	25
Other†/Unknown	297	8	12	<5	21	19	361
Total	2,331	89	84	92	78	67	2,742
<p>Data Source: West Virginia Bureau for Public Health (BPH), Department of Health and Human Resources (DHHR), Enhanced HIV/AIDS Reporting System (eHARS)</p> <p>Notes: Data reflects HIV and/or AIDS case numbers reported to the DHHR, BPH as of December 31, 2013. No adjustments were made for reporting delays. Numbers include persons diagnosed with HIV infection (not AIDS) or HIV infection and later AIDS or and concurrent diagnoses of HIV infection and AIDS. Only cases with West Virginia residence at diagnosis are reported. All data excludes individuals who currently reside in Federal prison.</p> <p>*Cumulative number of HIV/AIDS cases includes one case with unknown diagnosis year.</p> <p>†"Other" risk category includes hemophilia, blood transfusion, and risk not reported or not identified. Required HIV reporting began January, 1989.</p>							

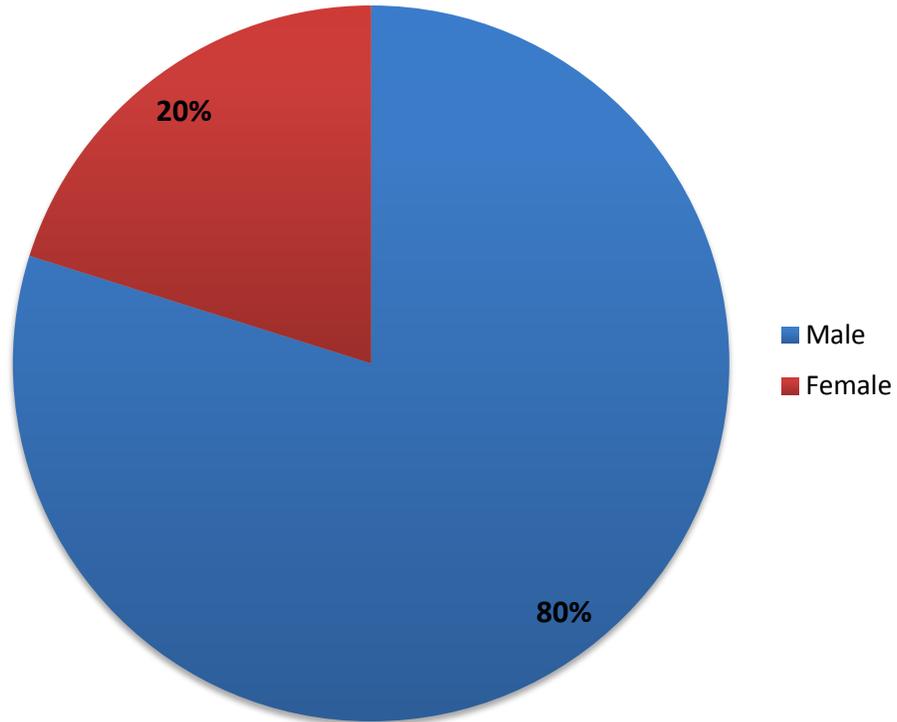
Percentage of HIV/AIDS Cases by Age at Diagnosis in West Virginia from 2009-2013



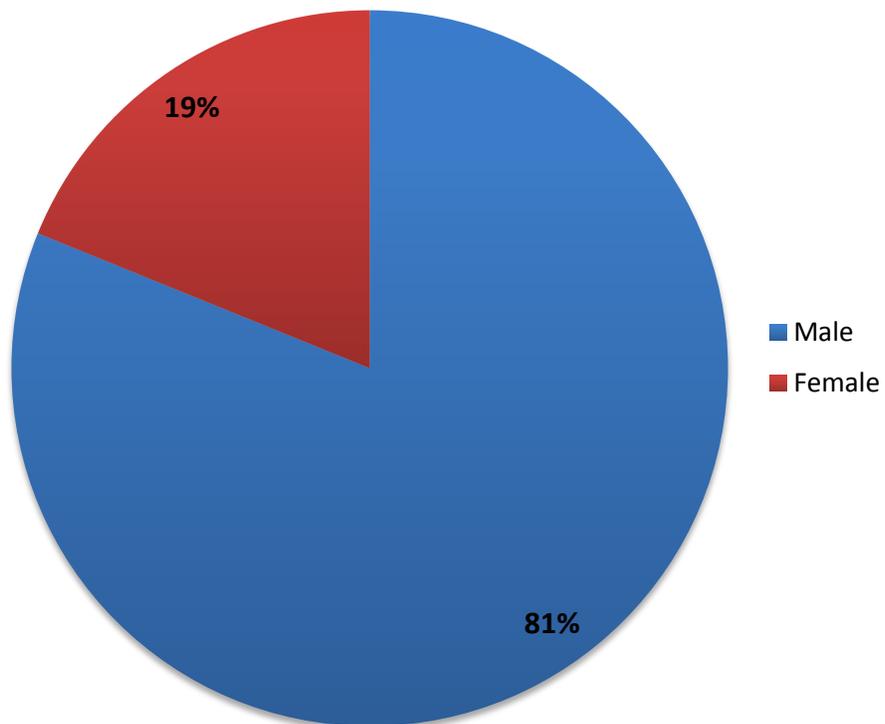
Percentage of HIV/AIDS Cases by Age at Diagnosis in West Virginia from 1984-2008



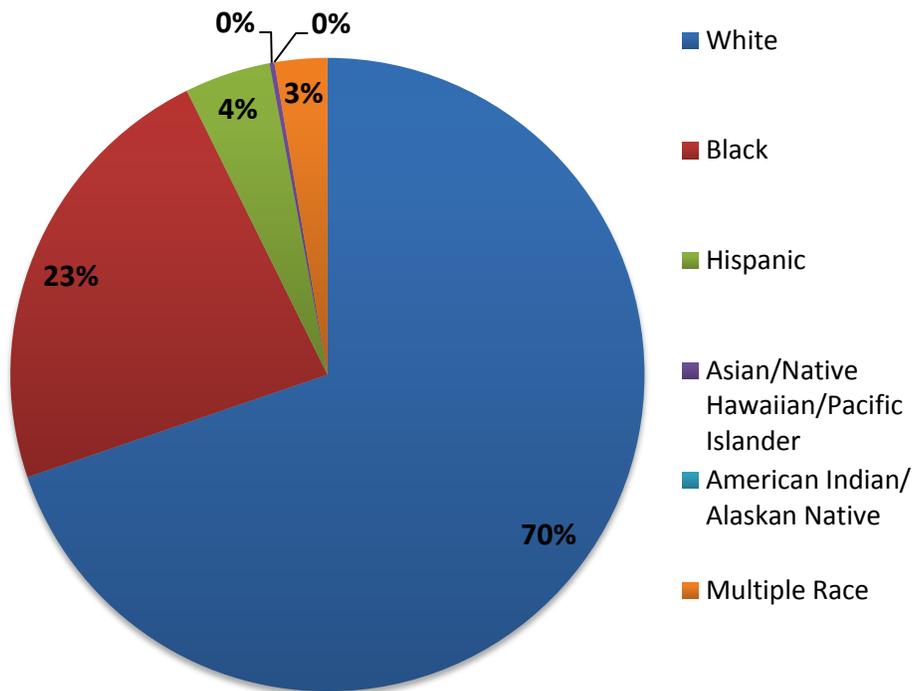
Percentage of HIV/AIDS Cases by Gender in West Virginia from 2009-2013



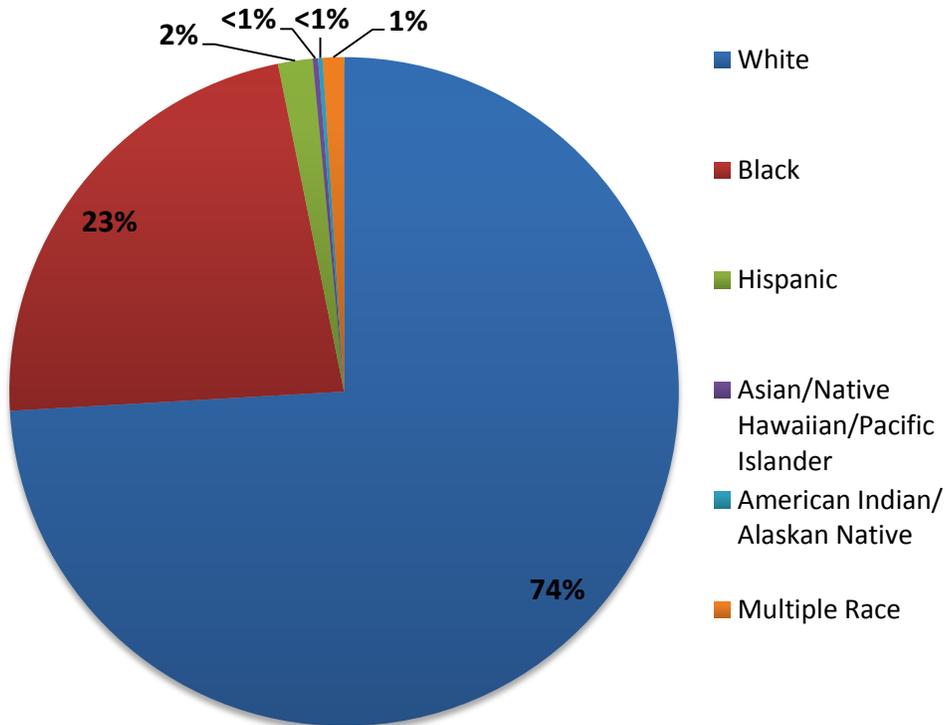
Percentage of HIV/AIDS Cases by Gender in West Virginia from 1984-2008



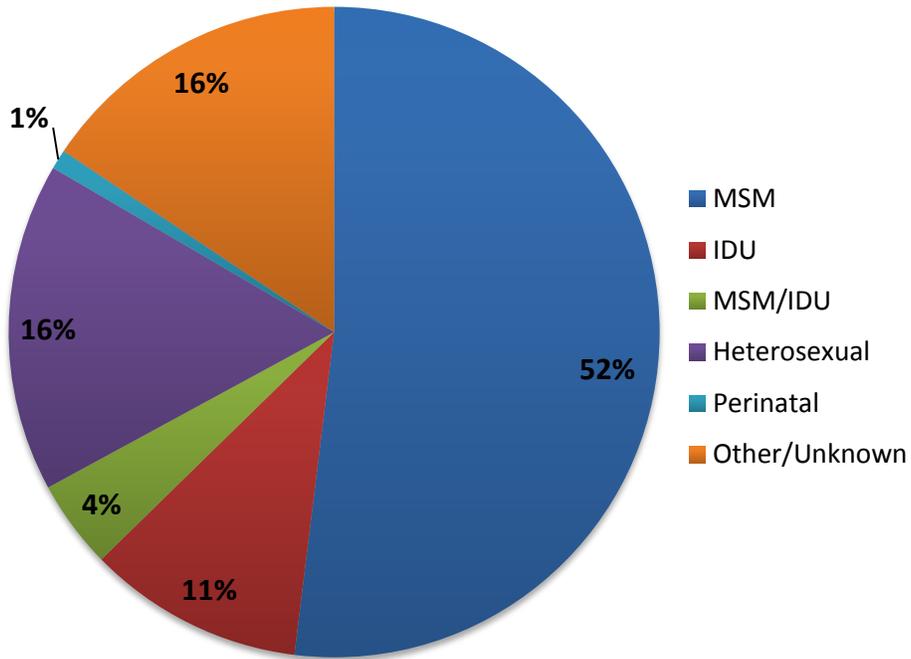
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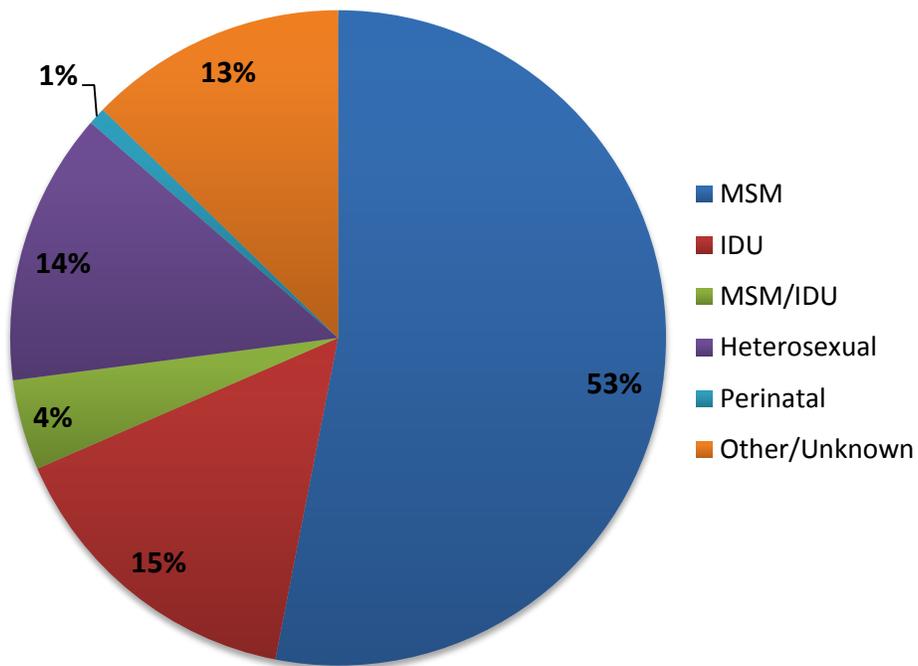
Percentage of HIV/AIDS Cases by Race in West Virginia from 1984-2008



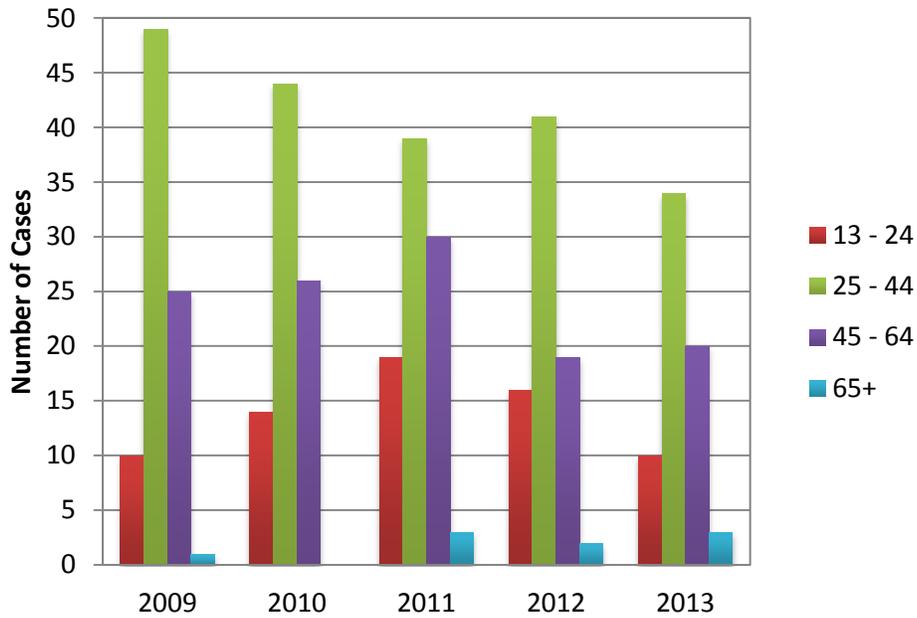
Percentage of HIV/AIDS Cases by Exposure Category in West Virginia from 2009-2013



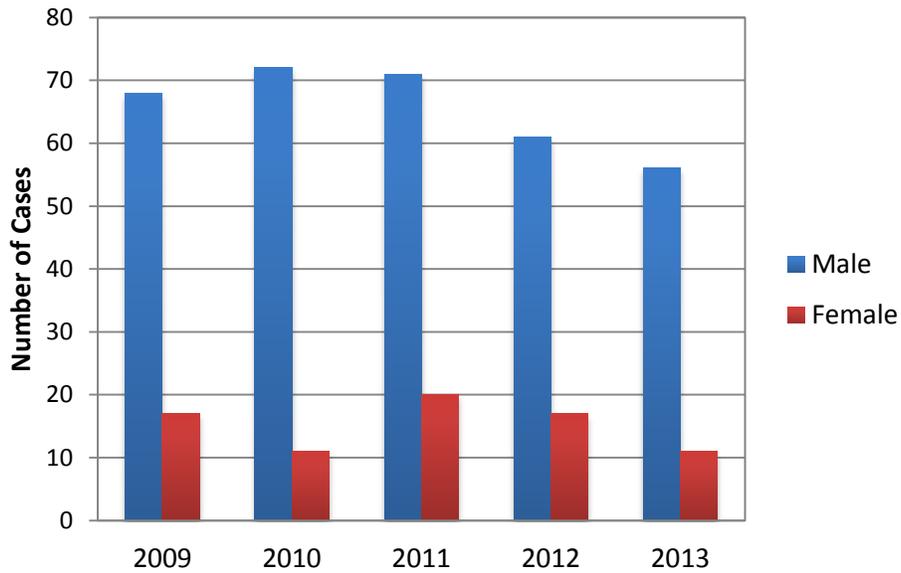
Percentage of HIV/AIDS Cases by Exposure Category in West Virginia from 1984-2008



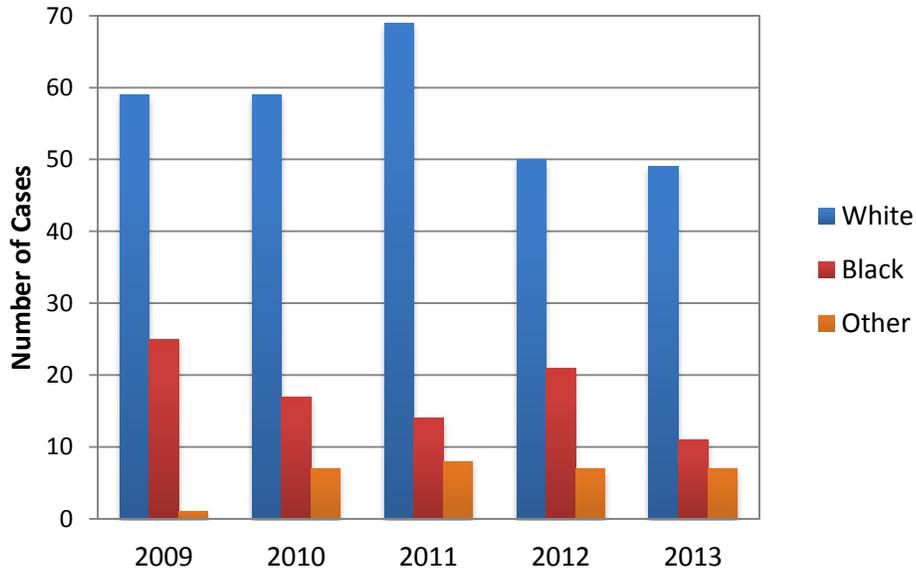
Number of Adult and Adolescent HIV/AIDS Cases Diagnosed by Age Group, 2009-2013



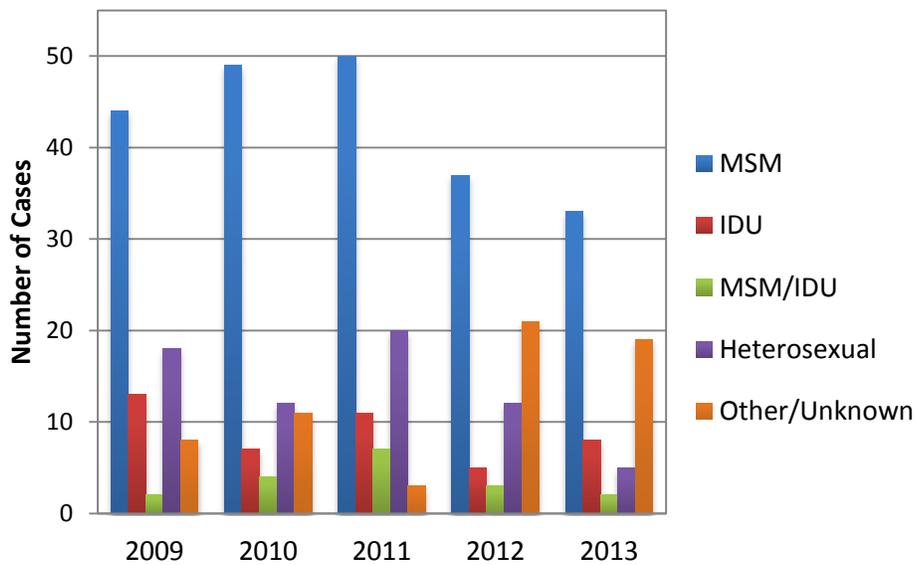
Number of Adult and Adolescent HIV/AIDS Cases Diagnosed by Gender in West Virginia, 2009-2013



Number of Adult and Adolescent HIV/AIDS Cases Diagnosed by Race in West Virginia, 2009-2013



Number of Adult and Adolescent HIV/AIDS Cases by Exposure Category in West Virginia, 2009-2013



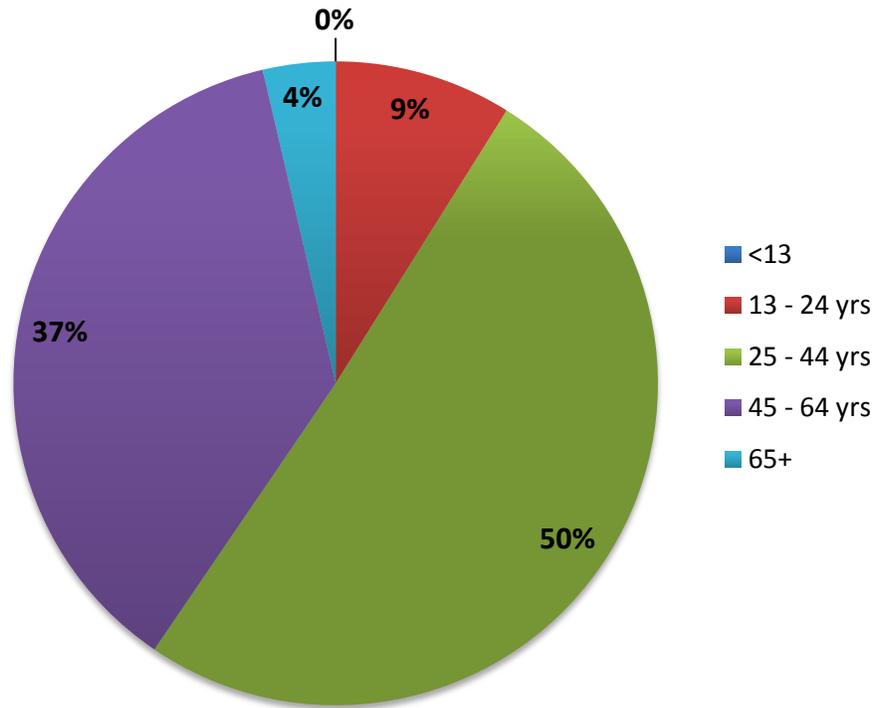
DEATHS

Deaths among Persons with HIV/AIDS by Year of Death and Select Characteristics in West Virginia from 4/1984-12/2013							
Characteristic	Cumulative deaths through 2008	2009	2010	2011	2012	2013	Cumulative deaths through 2013*
Age at Death							
<13	6	<5	<5	<5	<5	<5	6
13-24	25	<5	<5	<5	<5	<5	27
25-44	624	16	8	11	5	<5	667
45-64	270	19	24	21	13	18	365
65+	31	<5	<5	<5	<5	<5	43
Gender							
Males	812	27	25	34	15	20	934
Females	144	10	8	<5	8	<5	175
Race/Ethnicity							
White	755	22	19	29	13	16	855
Black	183	13	13	7	8	5	229
Hispanic	10	<5	<5	<5	<5	<5	12
Asian, Native Hawaiian or Pacific Islander	<5	<5	<5	<5	<5	<5	<5
American Indian or Alaskan Native	<5	<5	<5	<5	<5	<5	<5
Multiple Race	6	<5	<5	<5	<5	<5	11
Exposure Category							
Male-to-male sex (MSM)	499	11	14	23	8	12	568
Injection drug use (IDU)	160	10	5	<5	<5	<5	183
MSM/IDU	57	<5	<5	<5	<5	<5	65
Heterosexual contact	87	13	6	<5	5	<5	115
Perinatal	5	<5	<5	<5	<5	<5	5
Other†/Unknown	148	<5	5	5	5	7	173
Total	956	37	33	36	23	23	1,109
Data Source: West Virginia Bureau for Public Health (BPH), Department of Health and Human Resources (DHHR), Enhanced HIV/AIDS Reporting System (eHARS) Notes: Data reflects the number of deaths among cases of HIV/AIDS reported to the BPH as of December 31, 2013. No adjustments were made for reporting delays. Numbers include persons diagnosed with HIV infection (not AIDS), HIV infection and later AIDS, and concurrent diagnoses of HIV infection and AIDS. Only cases with West Virginia residence at diagnosis are reported. All data excludes individuals who currently reside in Federal prison. *Cumulative deaths include one case with unknown year of death. †"Other" risk category includes hemophilia, blood transfusion, and risk not reported or not identified.							

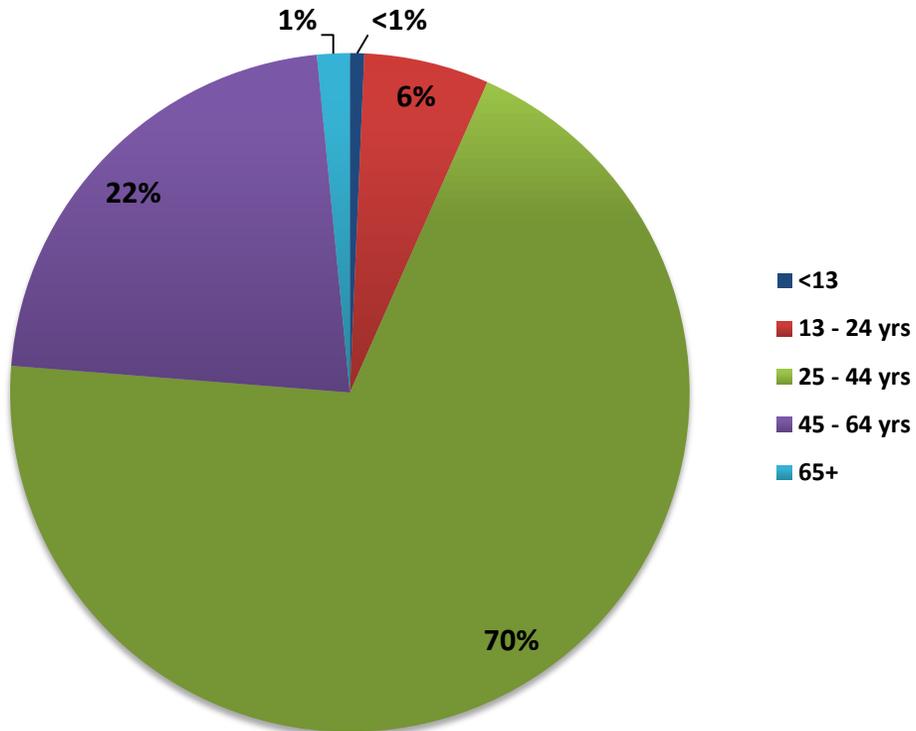
AIDS

Number of AIDS Cases Diagnosed by Select Characteristics in West Virginia from 4/1984-12/2013							
Characteristic	Cumulative through 2008	2009	2010	2011	2012	2013	Cumulative through 2013
Age at Diagnosis							
<13	11	<5	<5	<5	<5	<5	11
13-24	96	<5	<5	5	6	<5	118
25-44	1,094	32	18	24	26	25	1,219
45-64	344	18	22	20	17	14	435
65+	24	<5	<5	<5	<5	<5	33
Gender							
Males	1,317	46	39	41	45	39	1,527
Females	252	9	5	12	6	5	289
Race/Ethnicity							
White	1,240	33	30	40	34	30	1,407
Black	289	20	12	9	12	8	350
Hispanic	22	<5	<5	<5	<5	<5	32
Asian, Native Hawaiian or Pacific Islander	<5	<5	<5	<5	<5	<5	<5
American Indian or Alaskan Native	<5	<5	<5	<5	<5	<5	<5
Multiple Race	14	<5	<5	<5	<5	<5	22
Exposure Category							
Male-to-male sex (MSM)	861	31	27	27	27	25	998
Injection drug use (IDU)	236	12	<5	7	<5	<5	264
MSM/IDU	83	<5	<5	5	<5	<5	95
Heterosexual contact	188	9	6	14	7	<5	228
Perinatal	12	<5	<5	<5	<5	<5	12
Other†/Unknown	189	<5	6	<5	12	9	219
Total	1,569	55	44	53	51	44	1,816
Data Source: West Virginia Bureau for Public Health (BPH), Department of Health and Human Resources (DHHR), Enhanced HIV/AIDS Reporting System (eHARS) Notes: Data reflects case numbers of AIDS reported to the BPH as of December 31, 2013. No adjustments were made for reporting delays. Only cases with West Virginia residence at diagnosis are reported. All data excludes individuals who currently reside in Federal prison. †"Other" risk category includes hemophilia, blood transfusion, and risk not reported or not identified.							

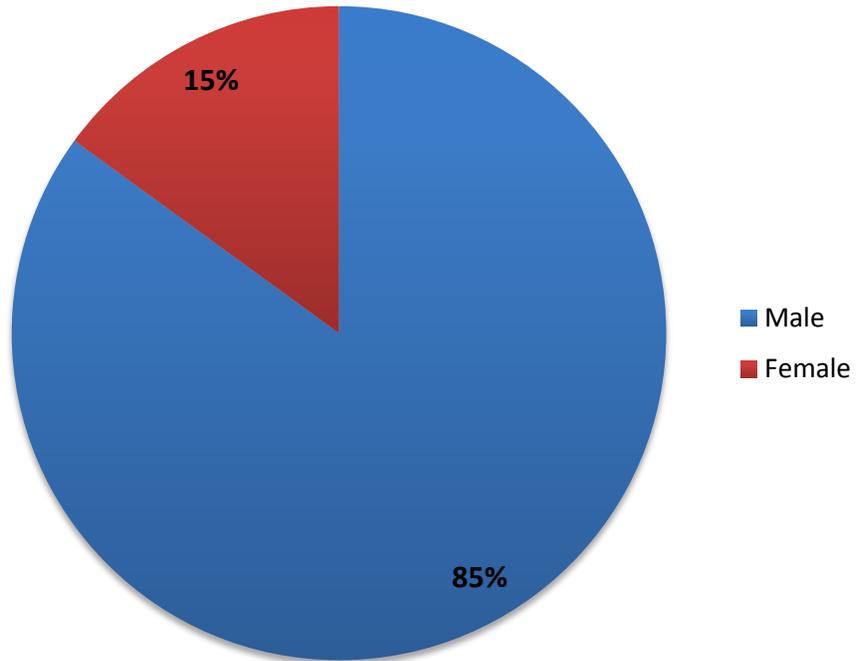
Percentage of AIDS Cases by Age at Diagnosis in West Virginia from 2009-2013



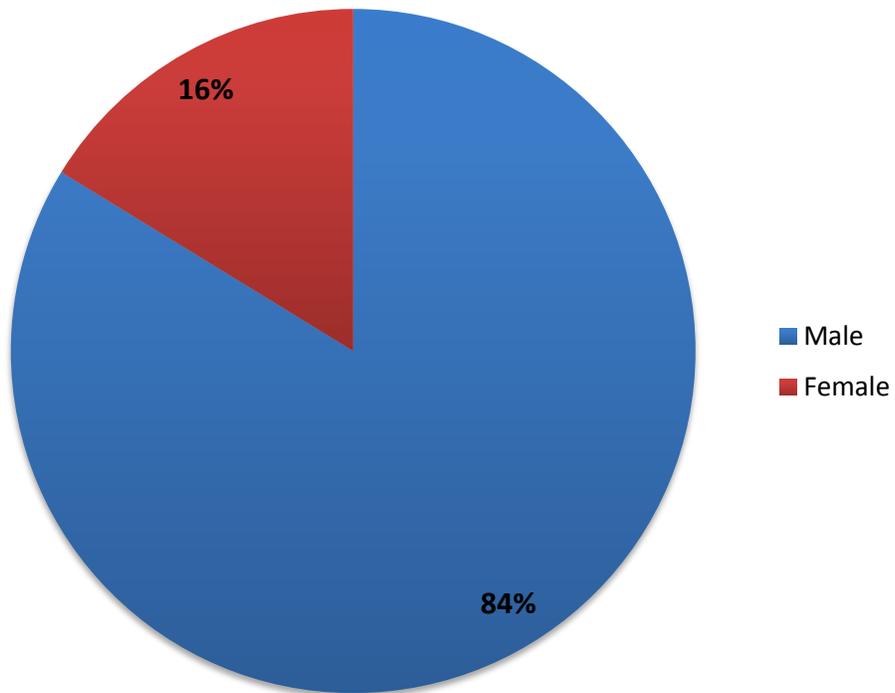
Percentage of AIDS Cases by Age at Diagnosis in West Virginia from 1984-2008



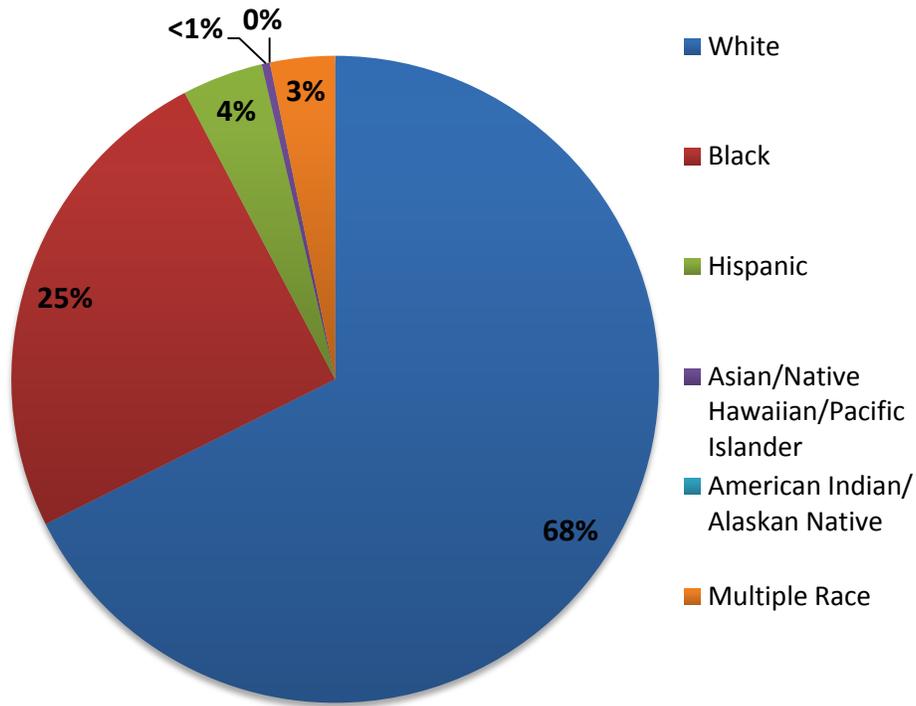
Percentage of AIDS Cases by Gender in West Virginia from 2009-2013



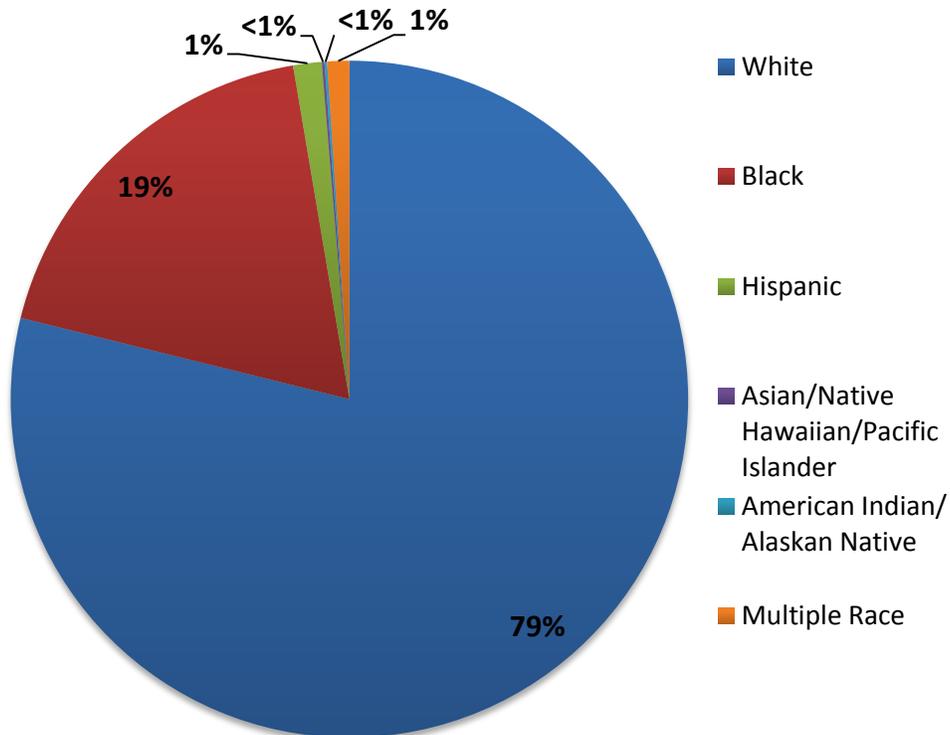
Percentage of AIDS Cases by Gender in West Virginia from 1984-2008



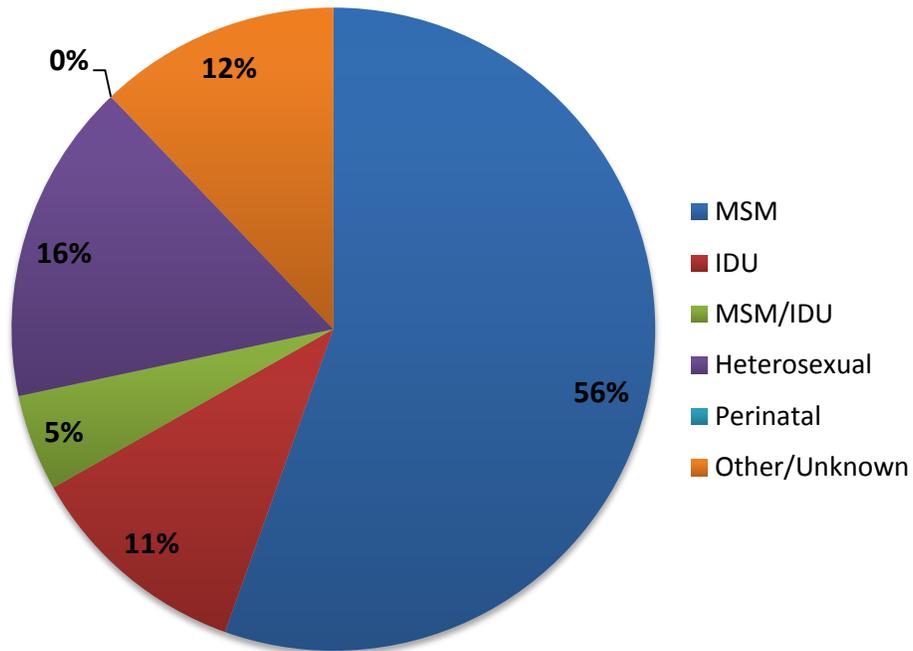
Percentage of AIDS Cases by Race in West Virginia from 2009-2013



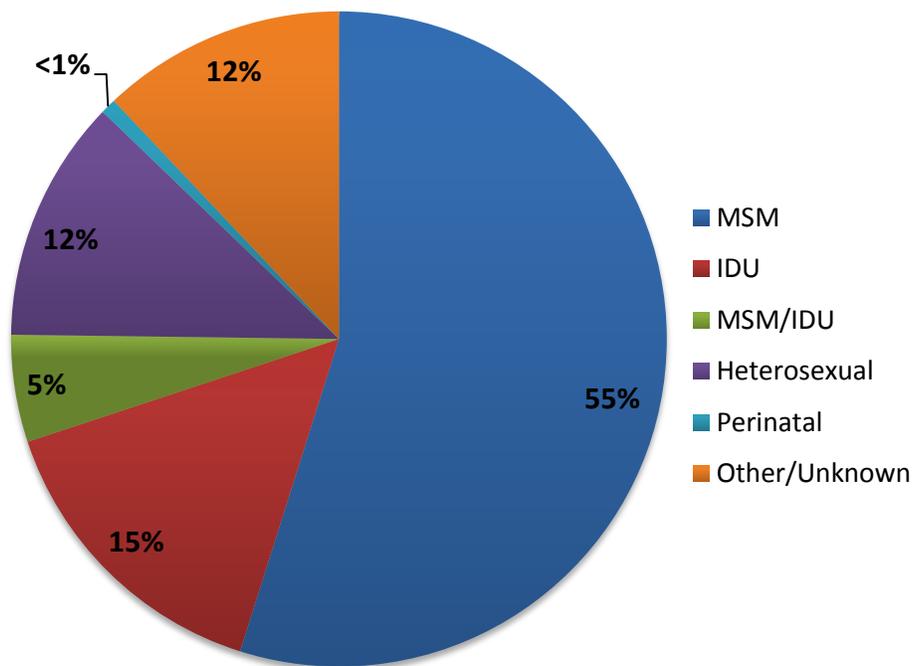
Percentage of AIDS Cases by Race in West Virginia from 1984-2008



Percentage of AIDS Cases by Exposure Category in West Virginia from 2009-2013



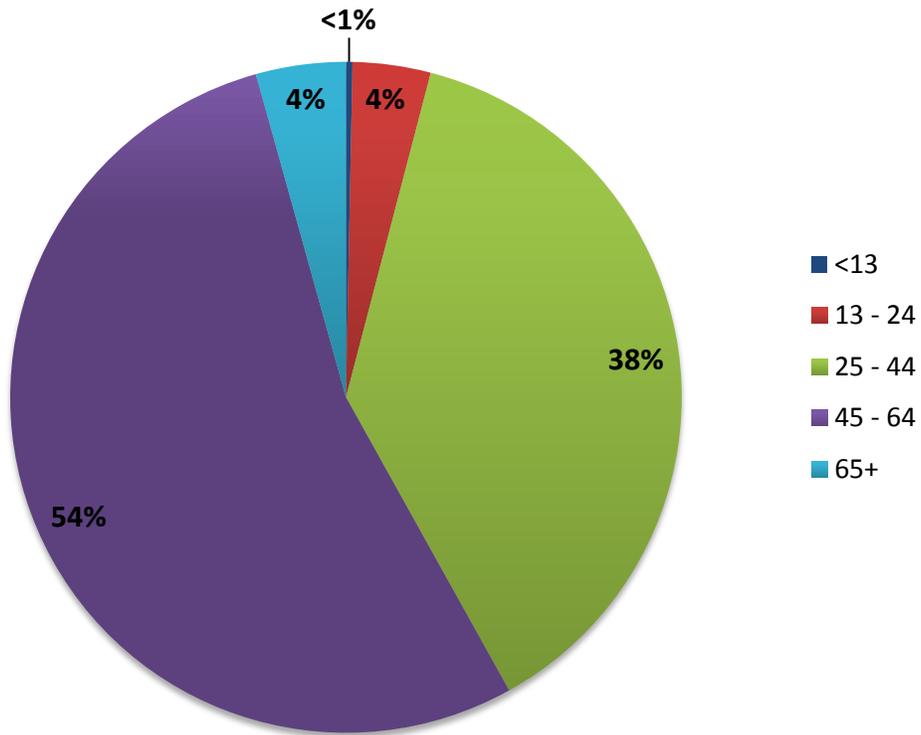
Percentage of AIDS Cases by Exposure Category in West Virginia from 1984-2008



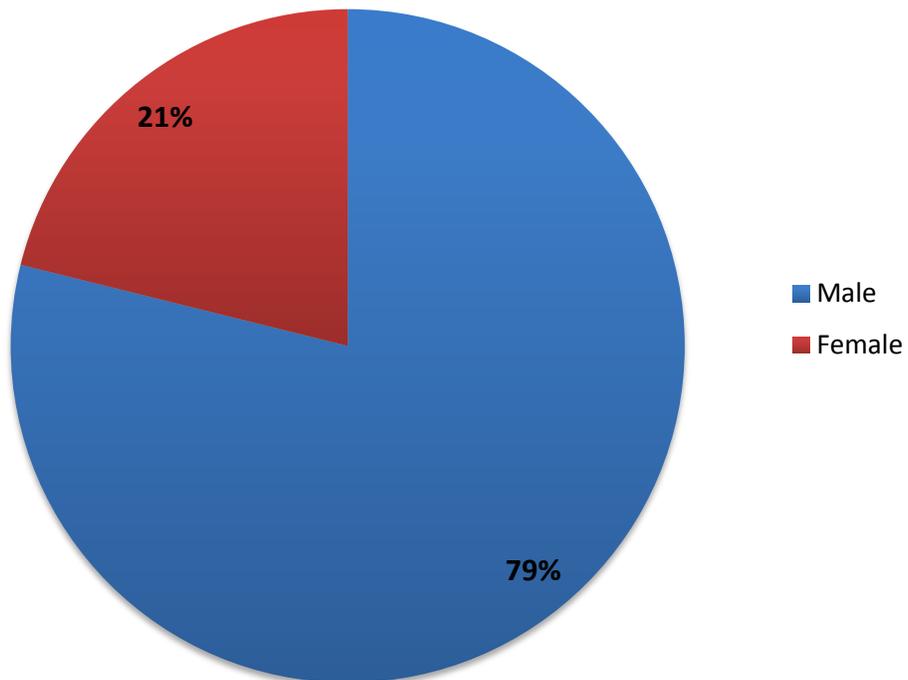
People Living with HIV/AIDS (PLWHA) in West Virginia

Number and Percentage of People Living with HIV/AIDS in West Virginia as of December 31, 2013		
Characteristic	No.	%
Current Age		
<13	5	0.3
13-24	71	3.8
25-44	710	37.7
45-64	1,016	53.9
65+	83	4.4
Gender		
Males	1,493	79.2
Females	393	20.8
Race/Ethnicity		
White	1,374	72.9
Black	412	21.8
Hispanic	52	2.8
Asian, Native Hawaiian/Pacific Islander	12	0.6
American Indian/Alaskan Native	5	0.3
Multiple Race	31	1.6
Exposure Category		
Male-to-male sex (MSM)	1,016	53.9
Injection drug use (IDU)	237	12.6
MSM/IDU	82	4.3
Heterosexual contact	315	16.7
Perinatal	21	1.1
Other†/Unknown	215	11.4
Total People Living with HIV/AIDS*	1,886	100
<p>Data Source: West Virginia Bureau for Public Health (BPH), Department of Health and Human Resources (DHHR), Enhanced HIV/AIDS Reporting System (eHARS)</p> <p>Notes: Estimated number of People Living with HIV/AIDS (PLWHA) as of December 31, 2013. No adjustments were made for reporting delays. Numbers include persons who have been diagnosed with HIV infection (not AIDS) or HIV infection and a later AIDS diagnosis or a concurrent diagnosis of HIV infection and AIDS. PLWHA include persons who currently reside in West Virginia and may have been diagnosed in another state.</p> <p>* The total of 1,886 PLWHA includes 1 case with missing or partial demographic characteristics.</p> <p>†"Other" risk category includes hemophilia, blood transfusion, and risk not reported or not identified.</p>		

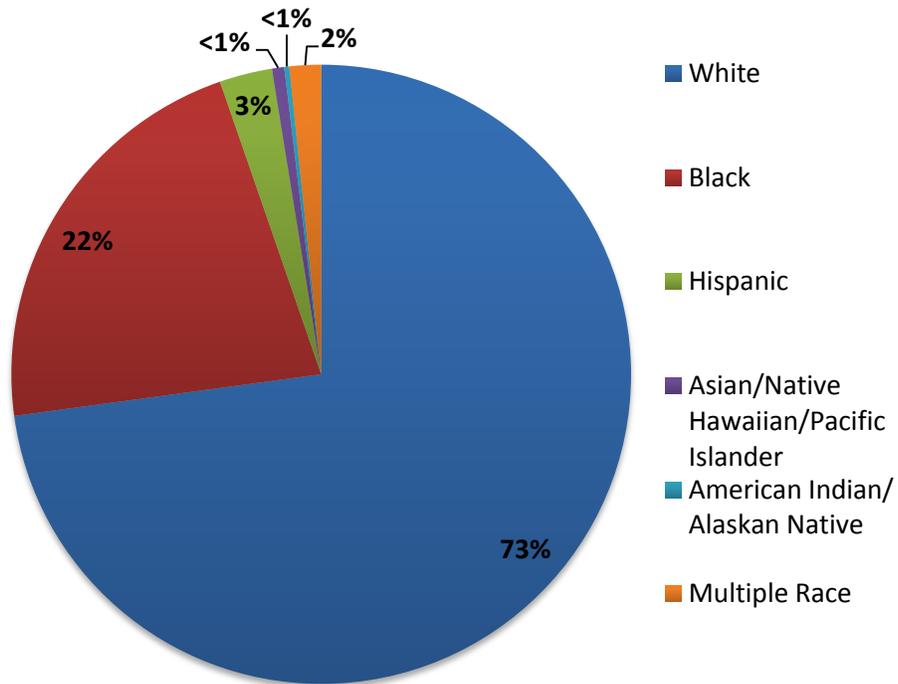
Percentage of People Living with HIV/AIDS by Current Age in West Virginia, 2013



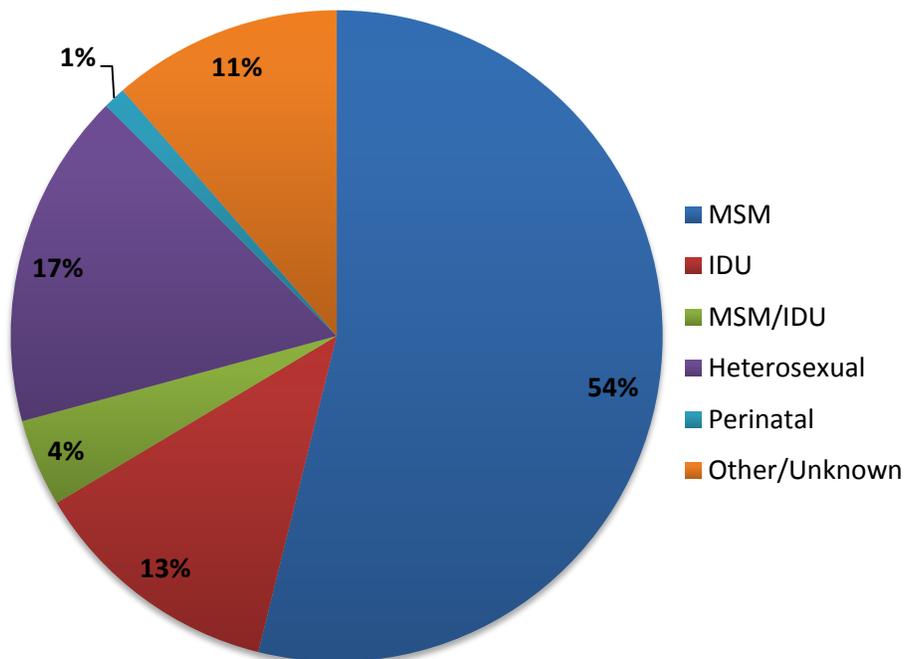
Percentage of People Living with HIV/AIDS by Gender in West Virginia, 2013



Percentage of People Living with HIV/AIDS by Race in West Virginia, 2013

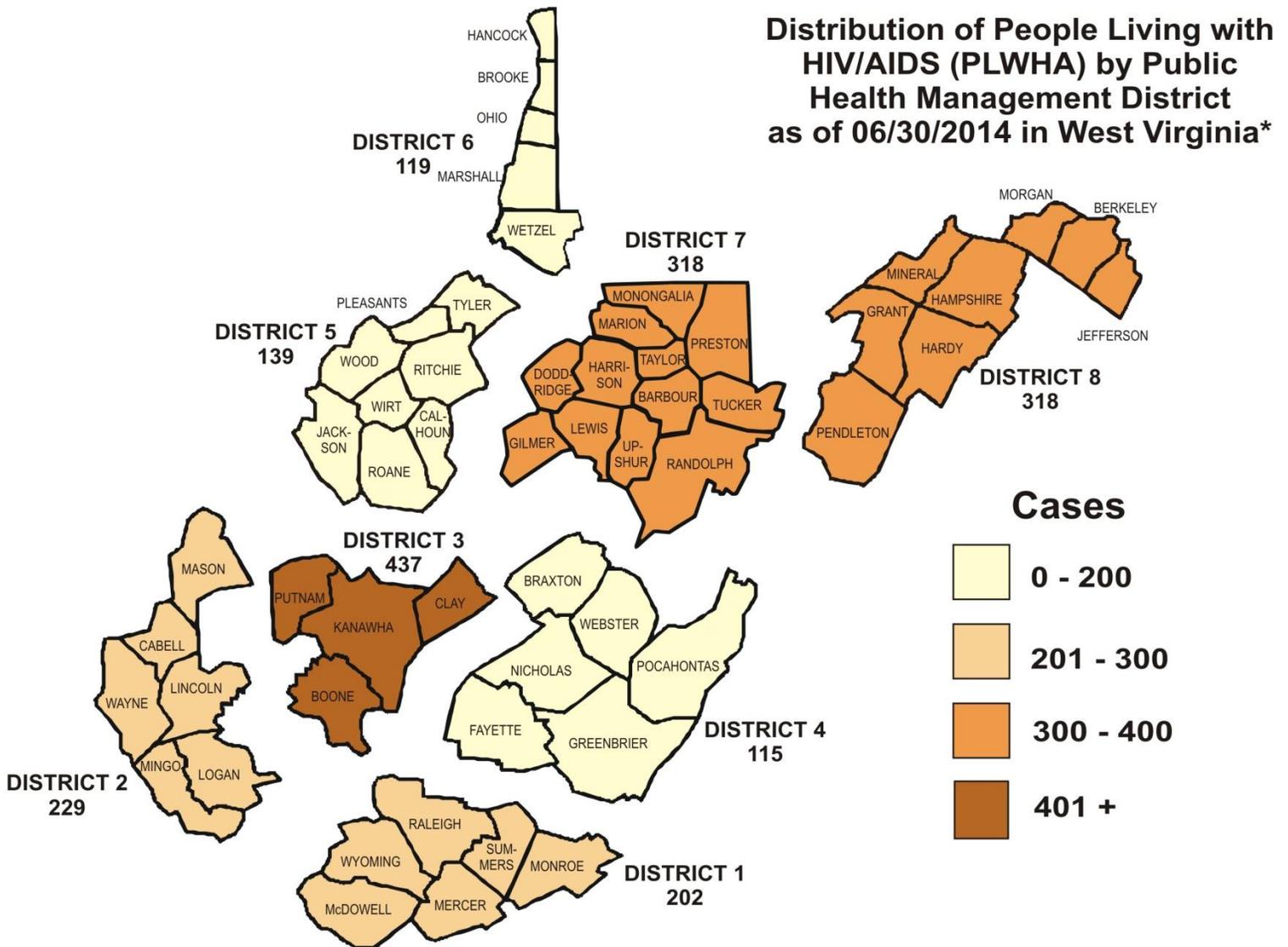


Percentage of People Living with HIV/AIDS by Exposure Category in West Virginia, 2013



Geographic Distribution of HIV/AIDS in West Virginia

West Virginia counties are grouped into eight Public Health Management Districts. The following section provides information about the distribution of HIV and AIDS in West Virginia by Public Health Management District.



Data Source: West Virginia Department of Health and Human Resources
Bureau of Public Health, Office of Epidemiology & Prevention Services,
West Virginia HIV/AIDS/STD Program, Enhance HIV/AIDS Reporting System

Total PLWHA in West Virginia: 1,886
*Excludes federal prisoners. There are 9 cases with unknown district of residence.

Number of PLWHA by Public Health District in West Virginia as of December 31, 2013									
Characteristic	West Virginia Public Health District								Total*
	1	2	3	4	5	6	7	8	
Current Age									
<13	<5	<5	<5	<5	<5	<5	<5	<5	5
13-24	8	7	16	9	<5	<5	13	11	71
25-44	92	103	168	38	53	33	118	103	710
45-64	94	110	231	64	76	79	173	183	1,016
65+	7	9	20	<5	5	5	13	20	83
Gender									
Males	146	177	358	90	118	95	259	244	1,493
Females	56	52	79	25	21	24	59	74	393
Race/Ethnicity									
White	144	191	304	81	118	97	252	181	1,374
Black	47	28	113	25	14	18	46	119	412
Hispanic	<5	5	8	<5	7	<5	12	10	52
Asian, Native Hawaiian or Pacific Islander	<5	<5	<5	<5	<5	<5	<5	<5	12
American Indian or Alaskan Native	<5	<5	<5	<5	<5	<5	<5	<5	5
Multiple Race	6	5	8	<5	<5	<5	<5	<5	31
Exposure Category									
Male-to-male sex (MSM)	97	124	268	64	88	66	174	134	1,016
Injection drug use (IDU)	32	28	37	16	12	13	38	60	237
MSM/IDU	12	12	14	7	<5	<5	17	12	82
Heterosexual contact	41	42	58	16	21	23	50	62	315
Perinatal	<5	<5	5	<5	<5	<5	5	<5	21
Other†/Unknown	17	22	55	10	13	13	34	46	215
Total	202	229	437	115	139	119	318	318	1,886
Data Source: West Virginia Bureau for Public Health (BPH), Department of Health and Human Resources (DHHR), Enhanced HIV/AIDS Reporting System (eHARS)									
Notes: Estimated number of People Living with HIV/AIDS (PLWHA) as of December 31, 2013. No adjustments were made for reporting delays. Numbers include persons diagnosed with HIV infection (not AIDS) or HIV infection and later AIDS or concurrent diagnoses of HIV infection and AIDS. PLWHA include persons who currently reside in West Virginia and may have been diagnosed in another state.									
*The total of 1,886 PLWHA includes 9 cases with unknown district of current residence and one case with unknown current age.									
†"Other" risk category includes hemophilia, blood transfusion, and risk not reported or not identified.									

DEFINITIONS

Age at diagnosis

Age at diagnosis is the age of the individual at the time he/she was diagnosed with HIV and/or AIDS.

AIDS

The total number of persons diagnosed with AIDS who were residing in West Virginia when they were diagnosed with AIDS. This category includes persons diagnosed with AIDS both living and deceased.

Cumulative deaths

Cumulative deaths are the total number of deaths counted from when West Virginia first reported AIDS (1984) and HIV (1989) through the end of the report year.

Deaths among persons living with HIV/AIDS

Deaths among persons living with HIV/AIDS may or may not have been due to HIV or AIDS. Deaths are counted for those persons whose current residence was West Virginia at the end of the report year; therefore, cases that have died out of state may not be reflected in this data.

eHARS

Enhanced HIV/AIDS Reporting System; A National document based data management system for tracking surveillance of HIV/AIDS.

HIV/AIDS surveillance

HIV/AIDS surveillance is the systematic collection, analysis, interpretation, dissemination, and evaluation of population-based information about persons with a diagnosis of HIV infection and persons with a diagnosis of AIDS.

HIV - Not AIDS

HIV-Not AIDS includes persons diagnosed with HIV infection in West Virginia (both living and deceased). The category HIV-Not AIDS is based on diagnoses of HIV infection and does not include every person who was infected with HIV. Furthermore, a recent diagnosis may not reflect a new infection; an individual may be diagnosed with HIV many years after he/she was first infected. HIV-Not AIDS includes some people who may have been diagnosed with AIDS in another state. Many people do not get tested for HIV and cannot be included in surveillance statistics.

No Identified Risk/ No Risk Reported (NIR/NRR): Persons who have no risk information reported by the provider or no risk factor was identified during an expanded investigation.

Persons living with HIV/AIDS (PLWHA)

This category includes the total number of persons currently living with HIV and/or AIDS in West Virginia, based on the most current address in eHARS. These persons may or may not have been diagnosed with HIV or AIDS in West Virginia.

Race/Ethnicity

The collection of race/ethnicity data in HIV/AIDS surveillance follows CDC guidelines.

Ethnicity: There are two ethnicity categories: Hispanic/Latino and not Hispanic/Latino. All persons who identified as Hispanic/Latino are classified as Hispanic/Latino regardless of their racial identification.

Race: There are four race categories: White, Black/African American, Asian/Native Hawaiian/Pacific Islander (API), and American Indian/Alaska Native (AI/AN). The categories Asian, Native Hawaiian, and Pacific Islander were combined into the single category API due to their small population size in West Virginia.

Risk

The risk is the behavior associated with HIV transmission. A single person may have multiple exposures, so a hierarchy is used to select the risk factor that was most likely to cause HIV transmission. However, male-to-male sexual contact and injection drug use are equally likely to cause transmission, so males who report both of these behaviors are classified into a combined category. The primary transmission categories that have been identified are:

Heterosexual contact: includes persons who had heterosexual contact with an HIV-infected person, an injection drug user, or a person who has received blood products. For females only, history of heterosexual sex with a bisexual male constitutes a transmission category of heterosexual contact.

Injection drug use (IDU): includes persons who took non-prescribed drugs by injection, intravenously, intramuscularly or subcutaneously.

Male-to-male sexual contact (MSM): includes males with reported sexual contact with another male.

Male-to-male sexual contact and injection drug use (MSM/IDU): includes males who reported both male-to-male sexual contact and injection drug use.

Perinatal transmission: includes infants who were infected during gestation, birth, or postpartum through breastfeeding to an HIV-infected mother.

Transfusion/Hemophilia: includes hemophilia and receipt of transfusions or transplants.

ABBREVIATIONS

AIDS Acquired Immunodeficiency Syndrome

CDC Centers for Disease Control and Prevention

eHARS enhanced HIV/AIDS Reporting System

HIV Human Immunodeficiency Virus

IDU Injection Drug Use or Injection Drug User

MSM Male-to-Male Sexual contact or Men who have Sex with Men

MSM/IDU Men who have Sex with Men and Injection Drug Use

NIR No Identified Risk

NRR No Risk Reported