



WEST VIRGINIA HIV/AIDS SURVEILLANCE REPORT

June 2016

West Virginia HIV/AIDS Surveillance Program

West Virginia HIV/AIDS Surveillance Report 2016

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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 2015. 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, §16-3-1 et 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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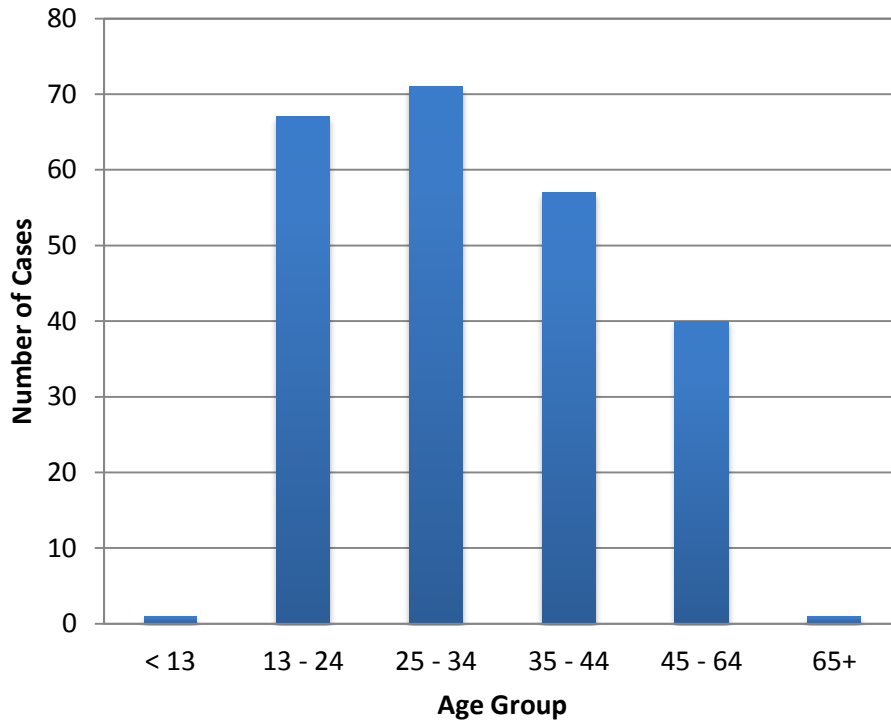
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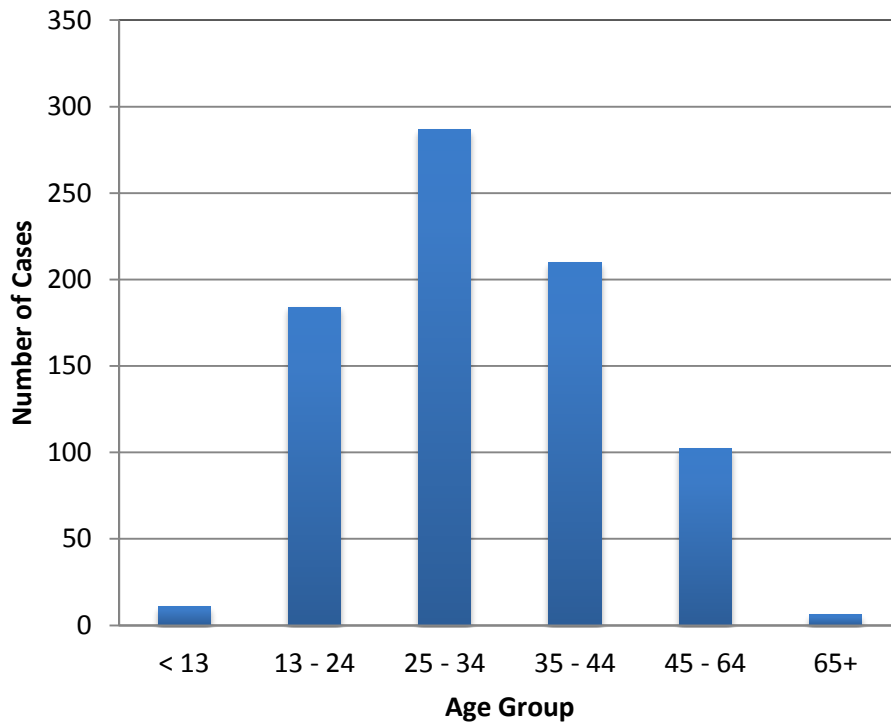
HIV – Not AIDS

Number of HIV Cases by Select Characteristics in West Virginia from 9/1989-12/2015							
Characteristic	Cumulative						Cumulative through 2015*
	through 2010	2011	2012	2013	2014	2015	
Age at Diagnosis							
<13	11	<5	<5	<5	<5	<5	12
13-24	184	14	12	9	15	17	251
25-34	289	11	16	12	17	15	360
35-44	212	10	10	5	18	14	269
45-64	102	7	5	12	14	<5	143
65+	6	<5	<5	<5	<5	<5	7
Gender							
Males	603	31	29	28	49	39	779
Females	202	12	14	11	15	10	264
Race/Ethnicity							
White	508	30	29	27	50	41	685
Black	261	10	8	8	9	5	301
Hispanic	18	<5	<5	<5	<5	<5	29
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	11	<5	<5	<5	<5	<5	19
Exposure Category							
Male-to-male sex (MSM)	392	23	18	18	38	34	523
Injection drug use (IDU)	135	6	5	7	<5	<5	159
MSM/IDU	27	<5	<5	<5	<5	<5	37
Heterosexual contact	131	11	8	6	9	<5	169
Perinatal	12	<5	<5	<5	<5	<5	12
Other†/Unknown	108	<5	10	7	11	6	143
Total	805	43	43	39	64	49	1,043
Data Source: West Virginia Department of Health and Human Resources (DHHR), Bureau for Public Health (BPH), Enhanced HIV/AIDS Reporting System (eHARS)							
Notes: Data reflects HIV case numbers reported to the DHHR, BPH as of December 31, 2015. 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, 2015. 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.							

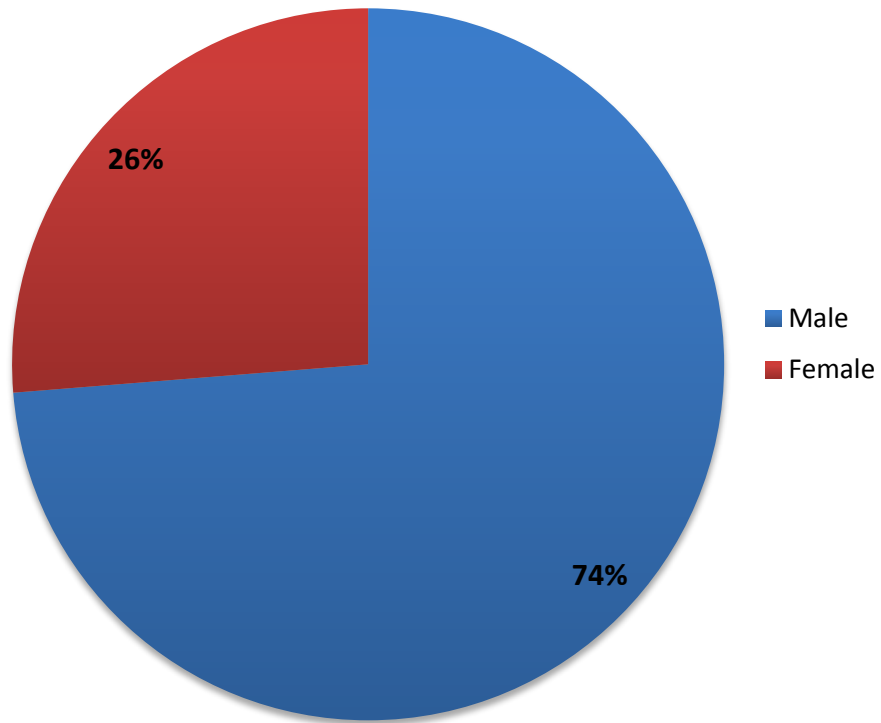
Number of HIV Cases by Age Group at Diagnosis in West Virginia from 2011-2015



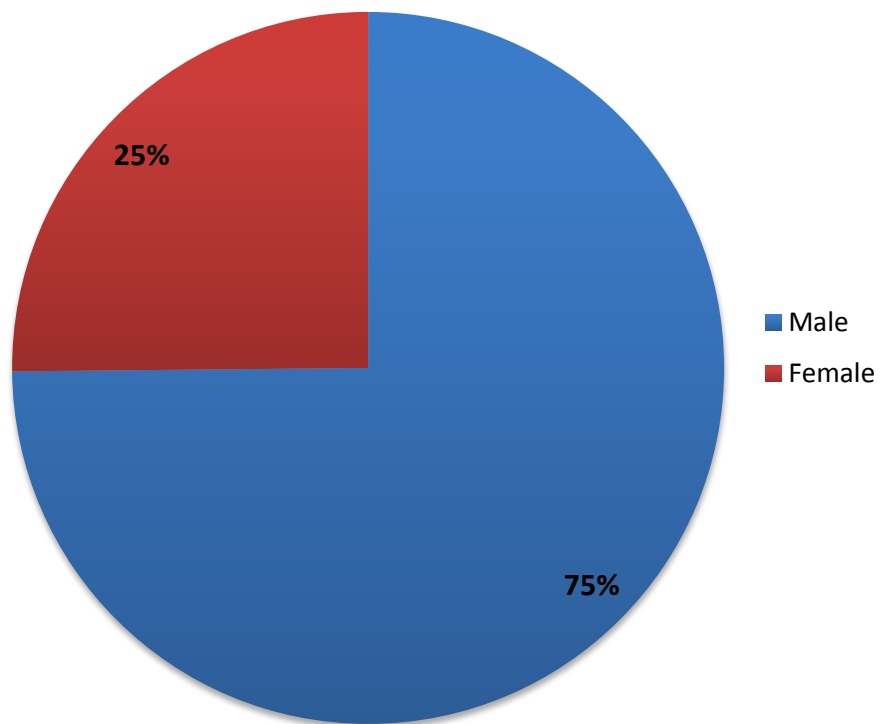
Number of HIV Cases by Age Group at Diagnosis in West Virginia from 1989-2010



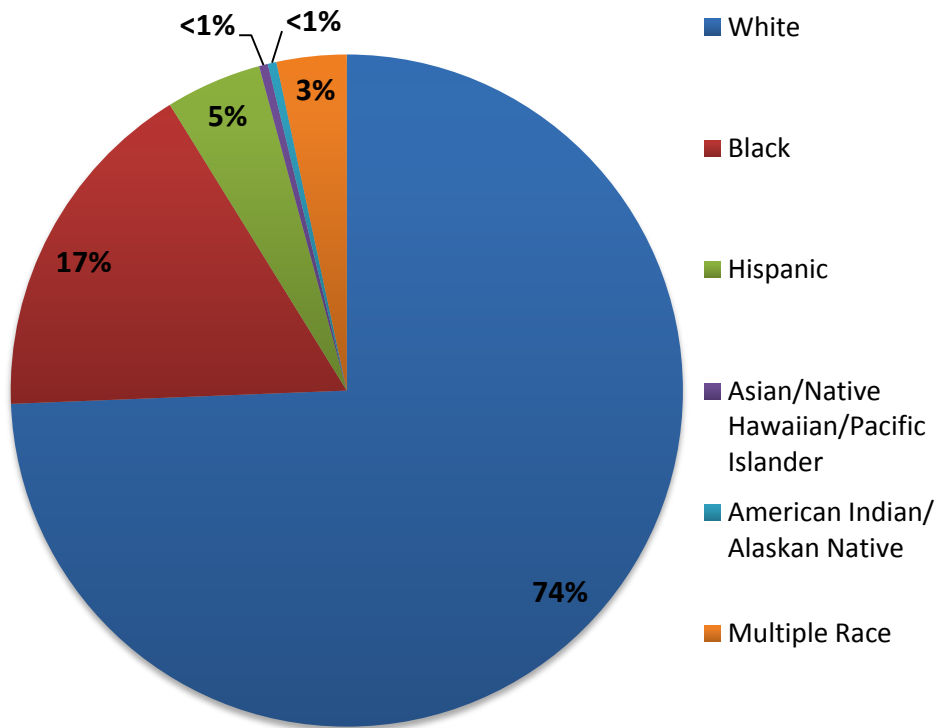
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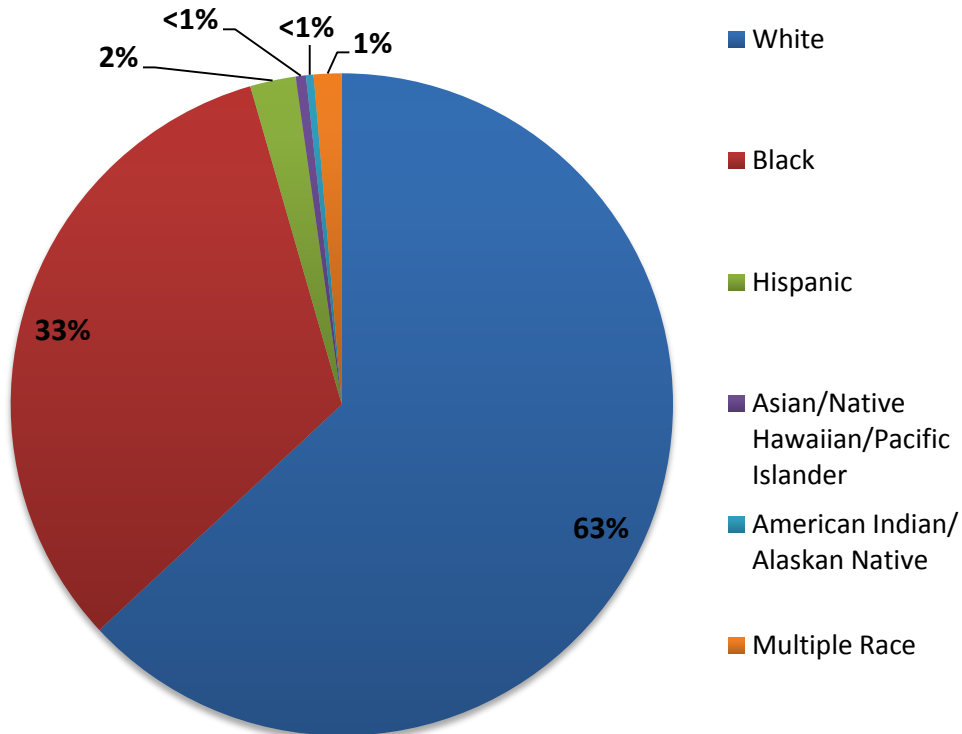
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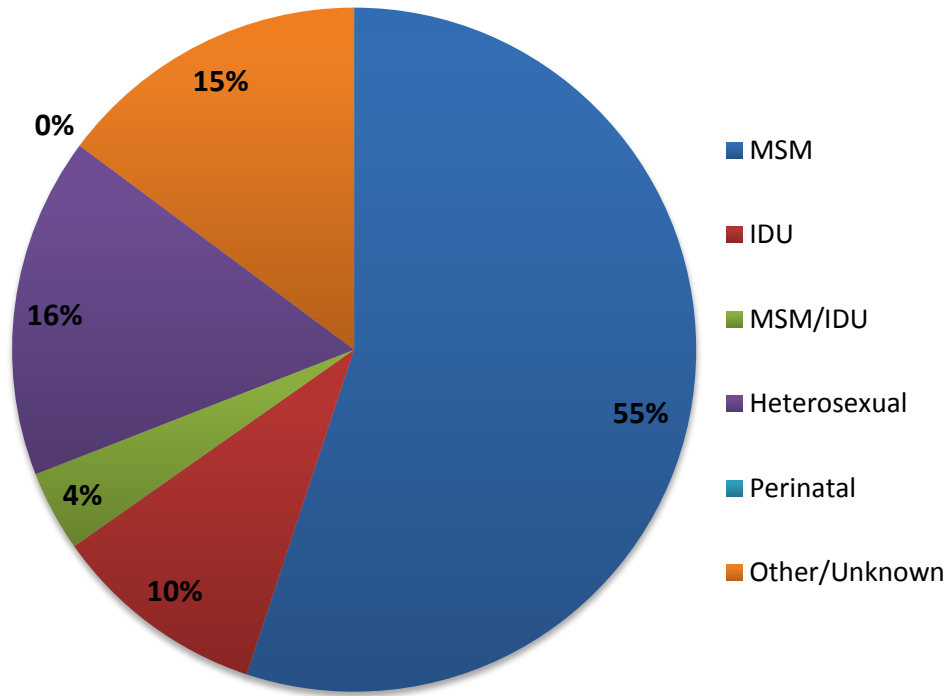
Percentage of HIV Cases by Race in West Virginia from 2011-2015



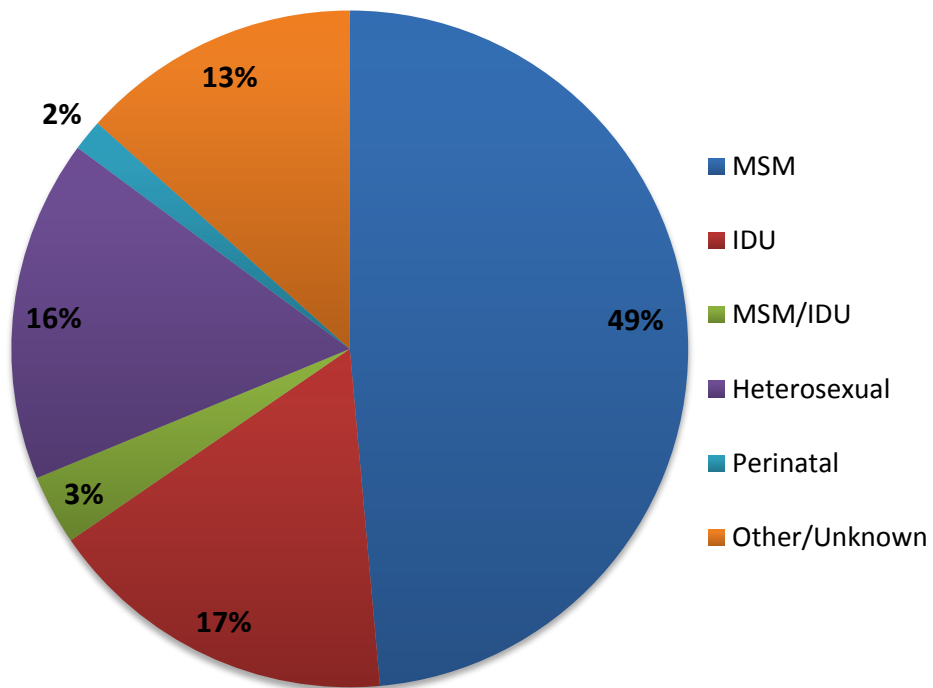
Percentage of HIV Cases by Race in West Virginia from 1989-2010



Percentage of HIV Cases by Exposure Category in West Virginia from 2011-2015



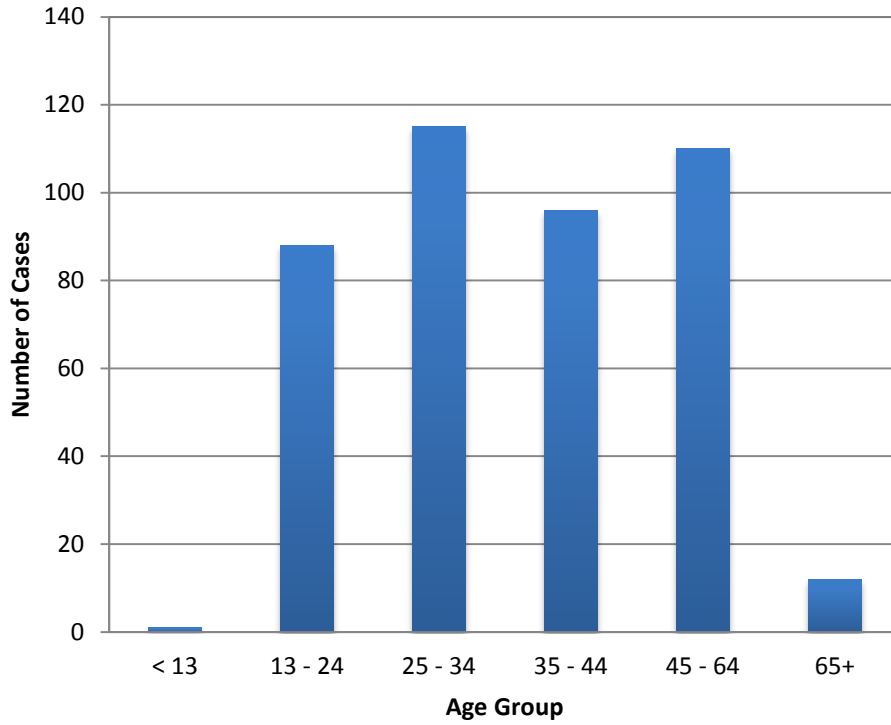
Percentage of HIV Cases by Exposure Category in West Virginia from 1989-2010



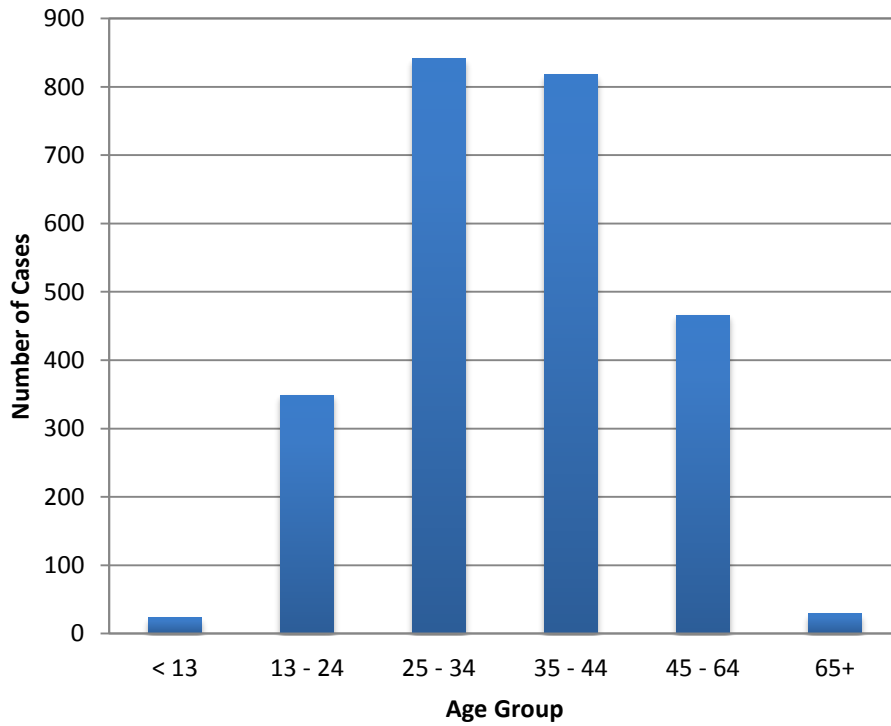
HIV/AIDS

Number of HIV/AIDS Cases by Select Characteristics in West Virginia from 4/1984-12/2015							
Characteristic	Cumulative						Cumulative through 2015*
	through 2010	2011	2012	2013	2014	2015	
Age at Diagnosis							
<13	23	<5	<5	<5	<5	<5	24
13-24	349	19	18	11	22	18	437
25-34	842	22	23	27	23	21	958
35-44	819	17	20	13	23	24	916
45-64	466	28	19	24	27	13	577
65+	29	<5	<5	<5	<5	<5	41
Gender							
Males	2,040	69	62	63	79	62	2,375
Females	490	21	20	15	19	15	580
Race/Ethnicity							
White	1,845	64	53	54	78	60	2,154
Black	590	18	18	14	14	11	665
Hispanic	47	<5	<5	6	<5	<5	65
Asian, Native Hawaiian or Pacific Islander	7	<5	<5	<5	<5	<5	9
American Indian or Alaskan Native	5	<5	<5	<5	<5	<5	6
Multiple Race	36	<5	7	<5	<5	<5	56
Exposure Category							
Male-to-male sex (MSM)	1,333	48	40	39	58	45	1,563
Injection drug use (IDU)	391	12	6	12	8	5	434
MSM/IDU	116	7	<5	<5	<5	<5	137
Heterosexual contact	355	22	15	9	13	11	425
Perinatal	24	<5	<5	<5	<5	<5	25
Other†/Unknown	311	<5	17	15	15	12	371
Total	2,530	90	82	78	98	77	2,955
Data Source: West Virginia Department of Health and Human Resources (DHHR), Bureau for Public Health (BPH), Enhanced HIV/AIDS Reporting System (eHARS) Notes: Data reflects HIV and/or AIDS case numbers reported to the DHHR, BPH as of December 31, 2015. 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. *Cumulative number of HIV/AIDS cases includes two cases with unknown diagnosis year. †"Other" risk category includes hemophilia, blood transfusion, and risk not reported or not identified. Required HIV reporting began January 1989.							

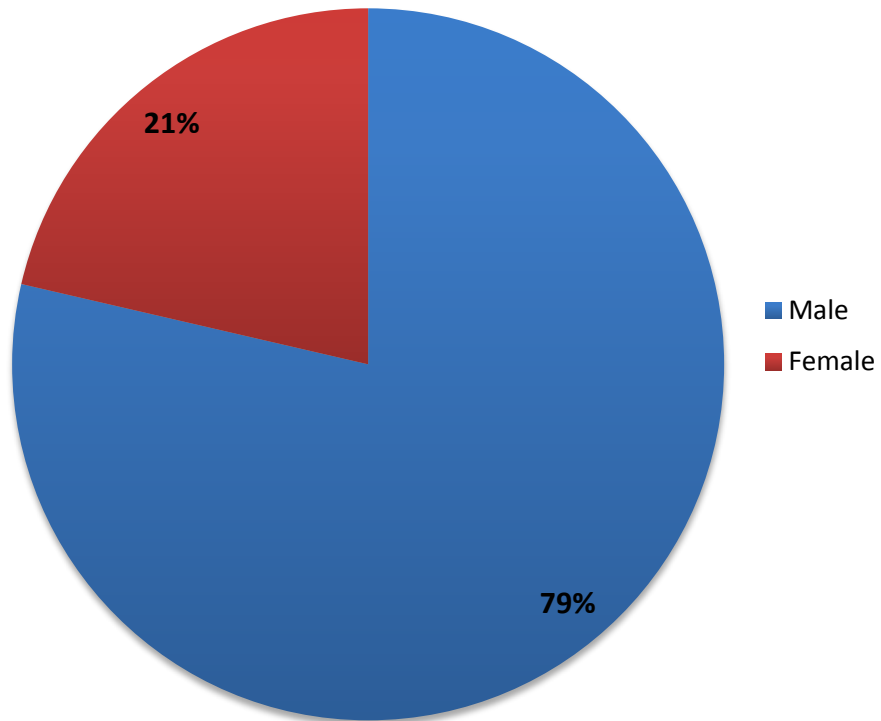
Number of HIV/AIDS Cases by Age Group at Diagnosis in West Virginia from 2011-2015



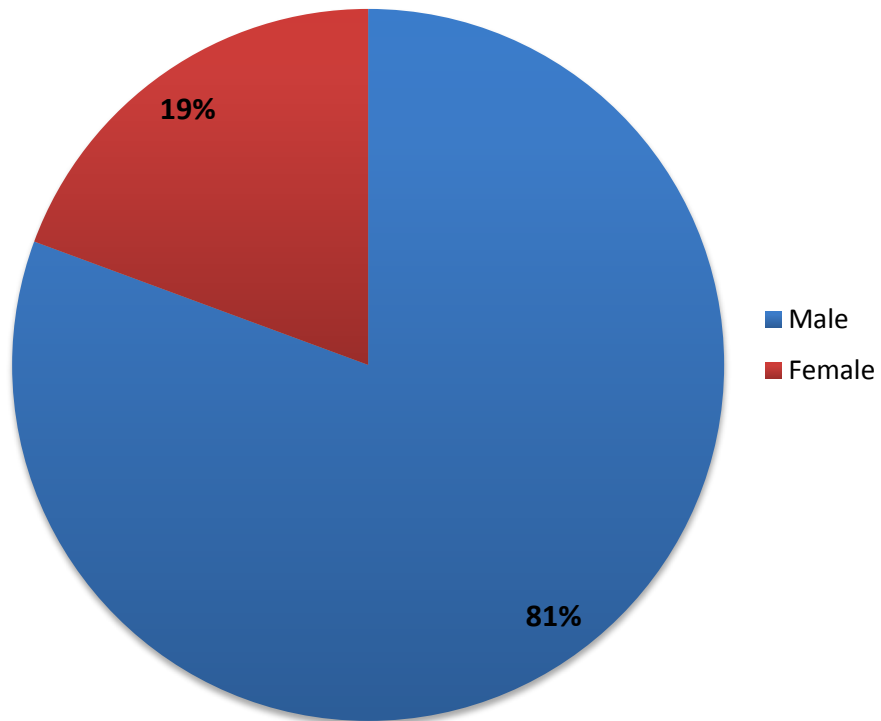
Number of HIV/AIDS Cases by Age Group at Diagnosis in West Virginia from 1984-2010



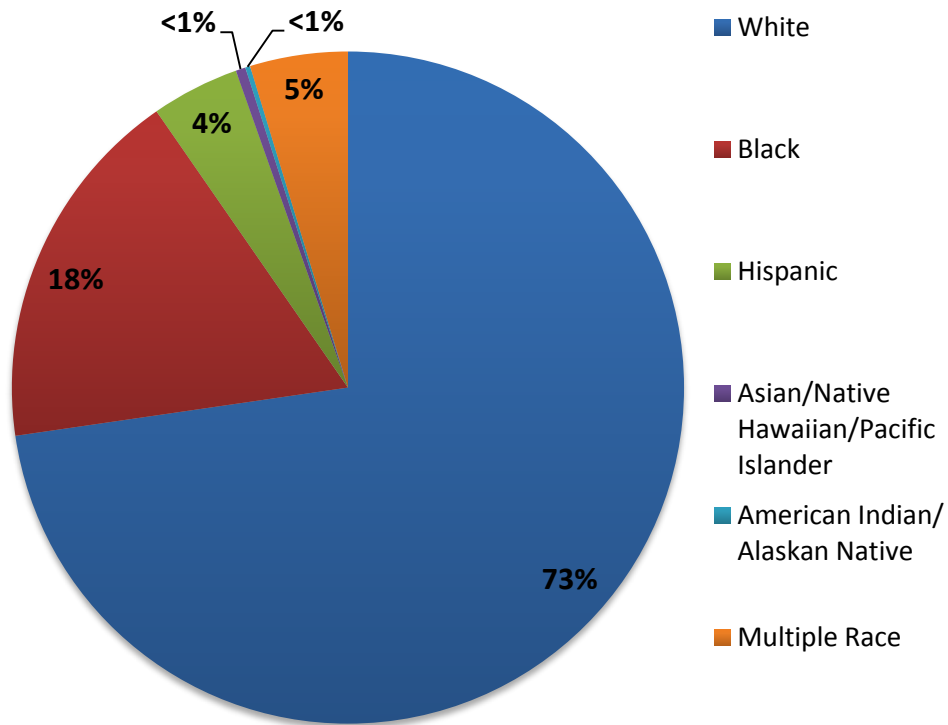
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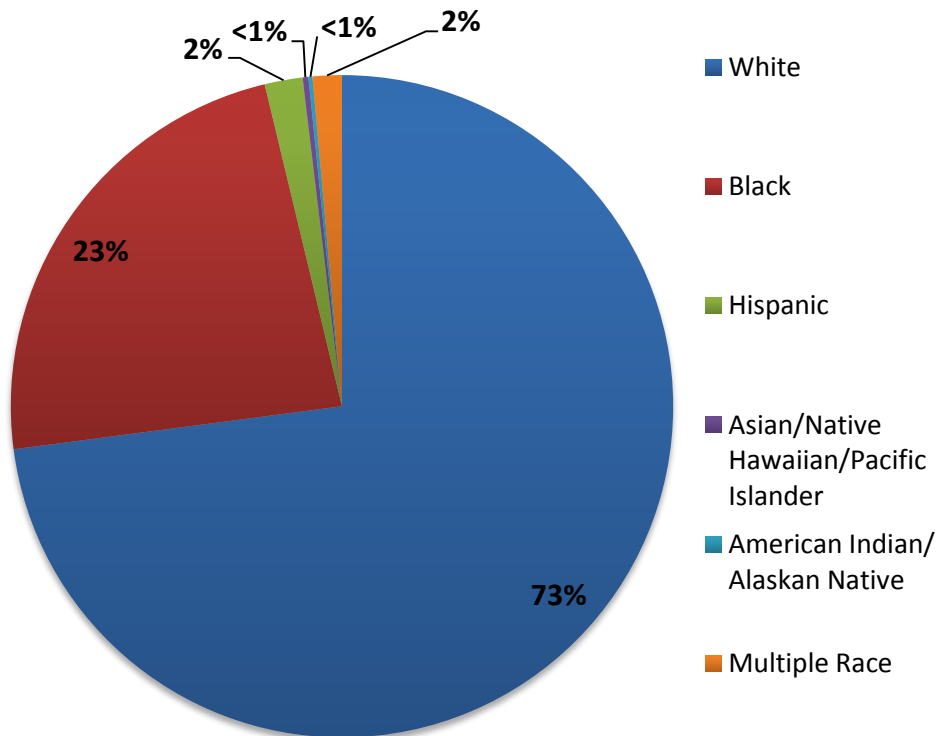
Percentage of HIV/AIDS Cases by Gender in West Virginia from 1984-2010



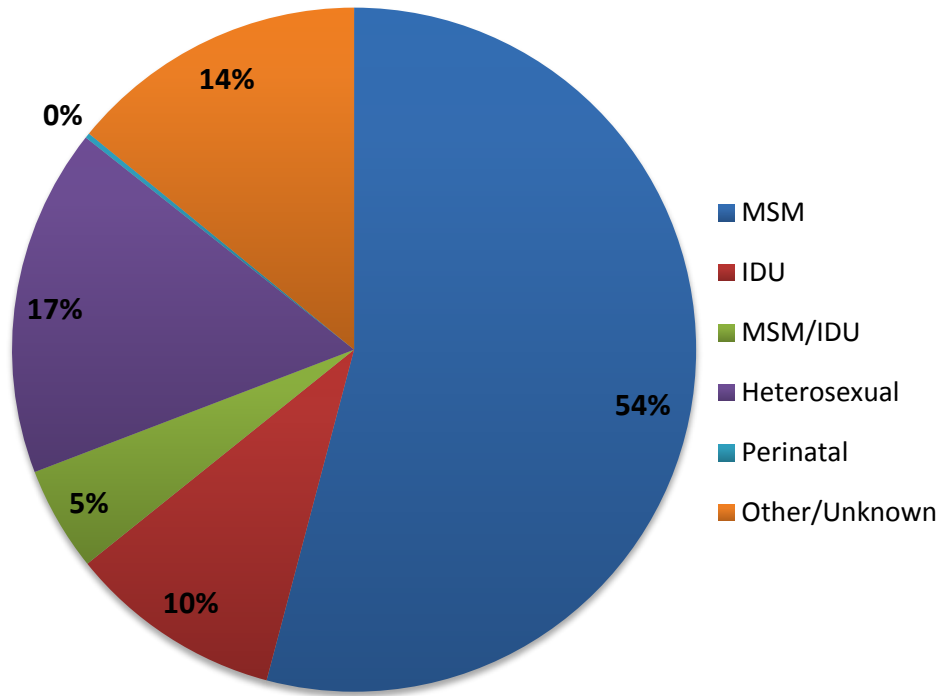
Percentage of HIV/AIDS Cases by Race in West Virginia from 2011-2015



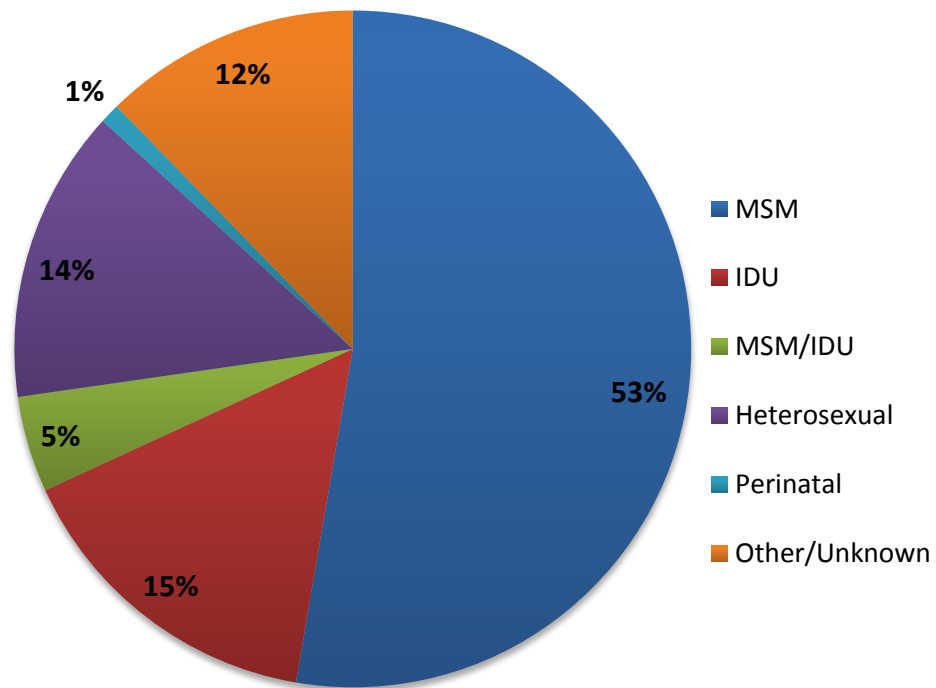
Percentage of HIV/AIDS Cases by Race in West Virginia from 1984-2010



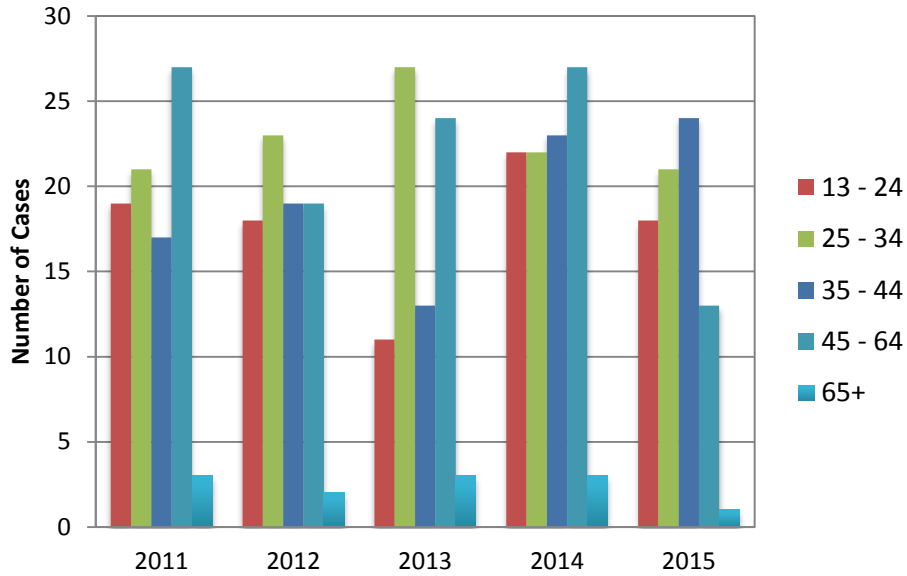
Percentage of HIV/AIDS Cases by Exposure Category in West Virginia from 2011-2015



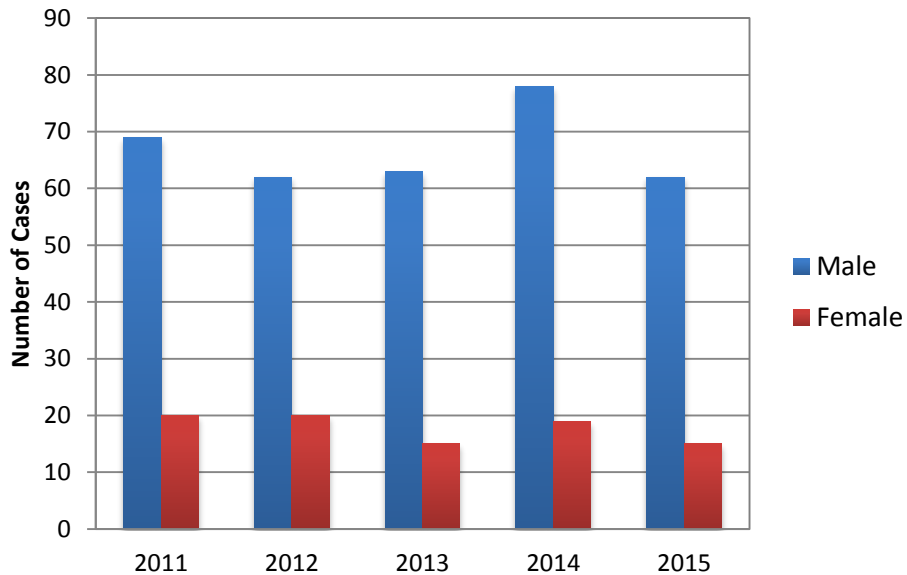
Percentage of HIV/AIDS Cases by Exposure Category in West Virginia from 1984-2010



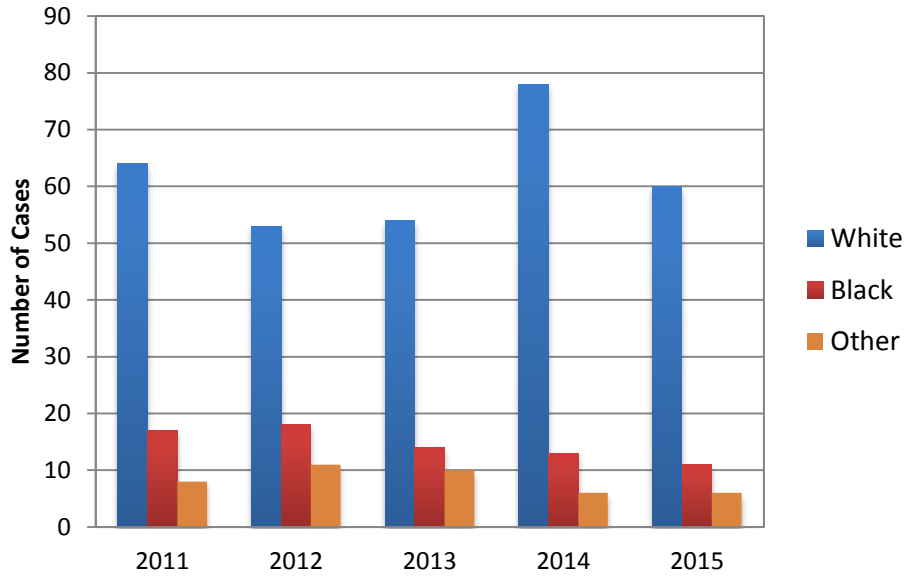
Number of Adult and Adolescent HIV/AIDS Cases Diagnosed by Age Group in West Virginia, 2011-2015



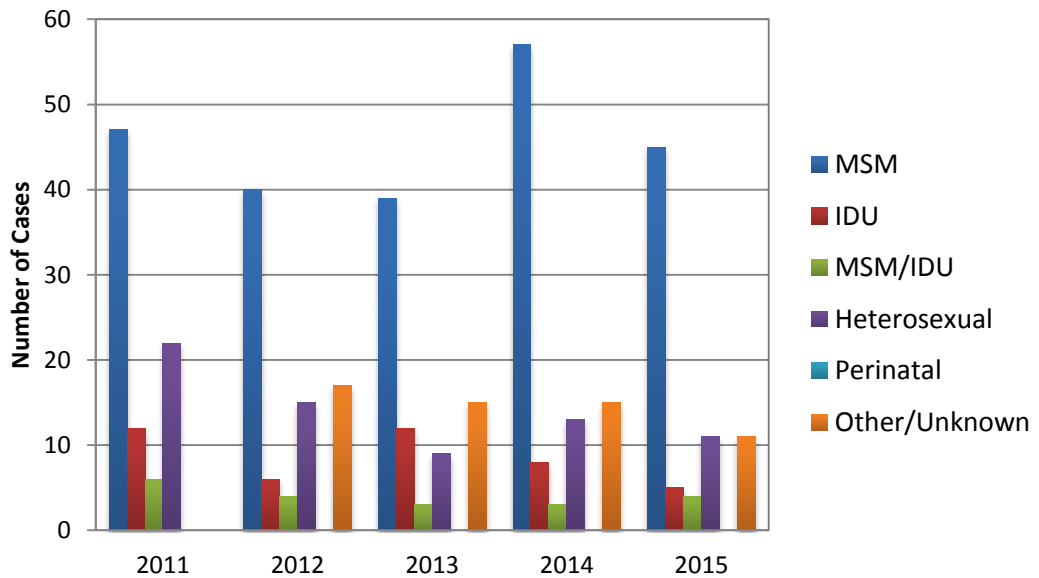
Number of Adult and Adolescent HIV/AIDS Cases Diagnosed by Gender in West Virginia, 2011-2015



Number of Adult and Adolescent HIV/AIDS Cases Diagnosed by Race in West Virginia, 2011-2015



Number of Adult and Adolescent HIV/AIDS Cases Diagnosed by Exposure Category in West Virginia, 2011-2015



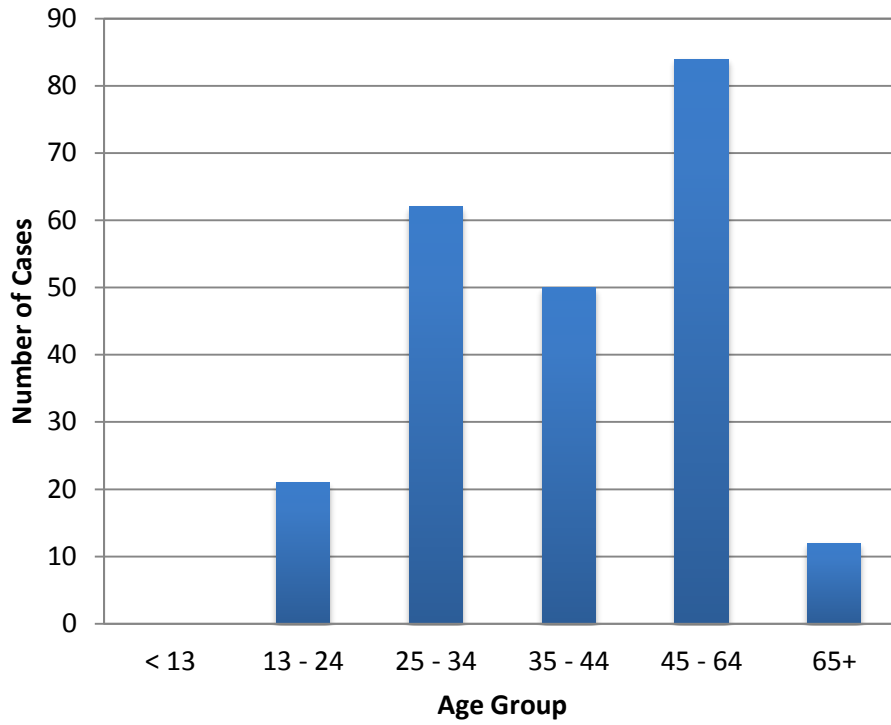
DEATHS

Deaths Among Persons with HIV/AIDS by Year of Death and Select Characteristics in West Virginia from 4/1984-12/2015							
Characteristic	Cumulative deaths					Cumulative deaths through 2015	
	through 2010	2011	2012	2013	2014		2015
Age at Death							
<13	6	<5	<5	<5	<5	<5	6
13-24	28	<5	<5	<5	<5	<5	31
25-34	256	<5	<5	<5	<5	<5	267
35-44	405	10	<5	<5	5	6	433
45-64	322	22	22	21	22	15	424
65+	34	<5	5	<5	<5	5	52
Gender							
Males	882	36	24	26	26	20	1,014
Females	169	<5	12	<5	6	6	199
Race/Ethnicity							
White	802	30	20	21	28	21	922
Black	227	9	13	6	<5	5	263
Hispanic	11	<5	<5	<5	<5	<5	14
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	9	<5	<5	<5	<5	<5	12
Exposure Category							
Male-to-male sex (MSM)	532	25	9	16	17	10	609
Injection drug use (IDU)	184	<5	11	<5	7	8	217
MSM/IDU	61	<5	<5	<5	<5	<5	67
Heterosexual contact	111	<5	8	<5	<5	6	132
Perinatal	5	<5	<5	<5	<5	<5	5
Other†/Unknown	158	5	7	7	<5	<5	183
Total	1,051	39	36	29	32	26	1,213
Data Source: West Virginia Department of Health and Human Resources (DHHR), Bureau for Public Health (BPH), 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, 2015. 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.							
†"Other" risk category includes hemophilia, blood transfusion, and risk not reported or not identified.							

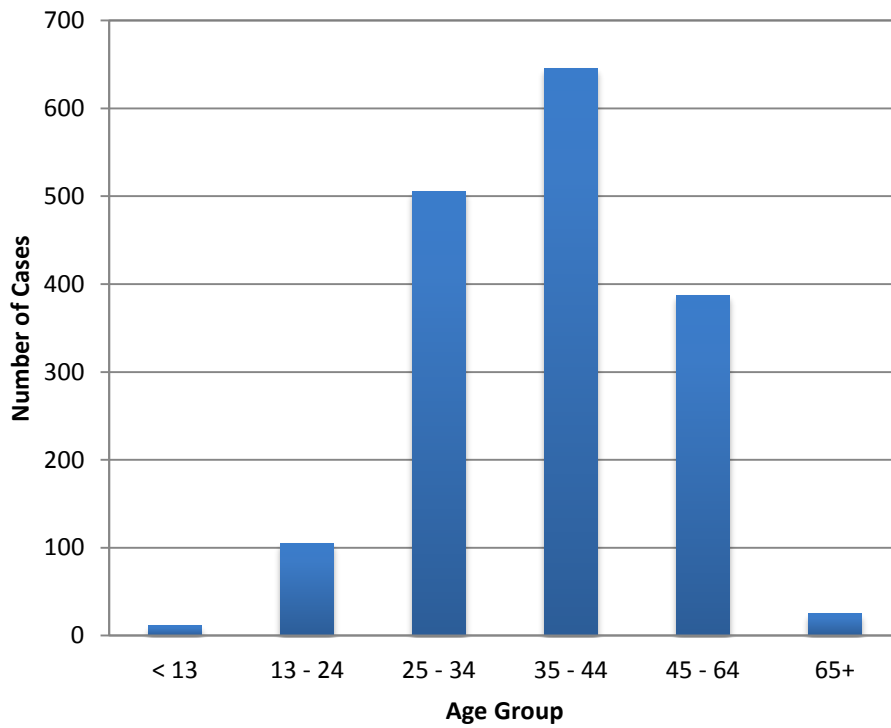
AIDS

Number of AIDS Cases by Select Characteristics in West Virginia from 4/1984-12/2015							
Characteristic	Cumulative						Cumulative through 2015*
	through 2010	2011	2012	2013	2014	2015	
Age at Diagnosis							
<13	11	<5	<5	<5	<5	<5	11
13-24	105	5	6	<5	6	<5	126
25-34	504	15	15	16	9	8	567
35-44	645	9	13	10	8	11	696
45-64	387	20	17	19	19	9	471
65+	25	<5	<5	<5	<5	<5	37
Gender							
Males	1,404	41	45	44	36	23	1,594
Females	273	12	8	6	9	7	315
Race/Ethnicity							
White	1,301	38	35	34	36	21	1,467
Black	323	9	11	7	7	6	363
Hispanic	26	<5	<5	<5	<5	<5	36
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	22	<5	5	6	<5	<5	36
Exposure Category							
Male-to-male sex (MSM)	919	28	27	29	25	12	1,040
Injection drug use (IDU)	253	7	<5	<5	5	<5	275
MSM/IDU	89	<5	<5	<5	<5	<5	100
Heterosexual contact	207	14	10	6	9	9	255
Perinatal	12	<5	<5	<5	<5	<5	13
Other†/Unknown	197	<5	10	9	<5	5	226
Total	1,677	53	53	50	45	30	1,909
Data Source: West Virginia Department of Health and Human Resources (DHHR), Bureau for Public Health (BPH), Enhanced HIV/AIDS Reporting System (eHARS) Notes: Data reflects case numbers of AIDS reported to the BPH as of December 31, 2015. 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. *Cumulative number of AIDS cases includes one case with unknown age at diagnosis. †"Other" risk category includes hemophilia, blood transfusion, and risk not reported or not identified.							

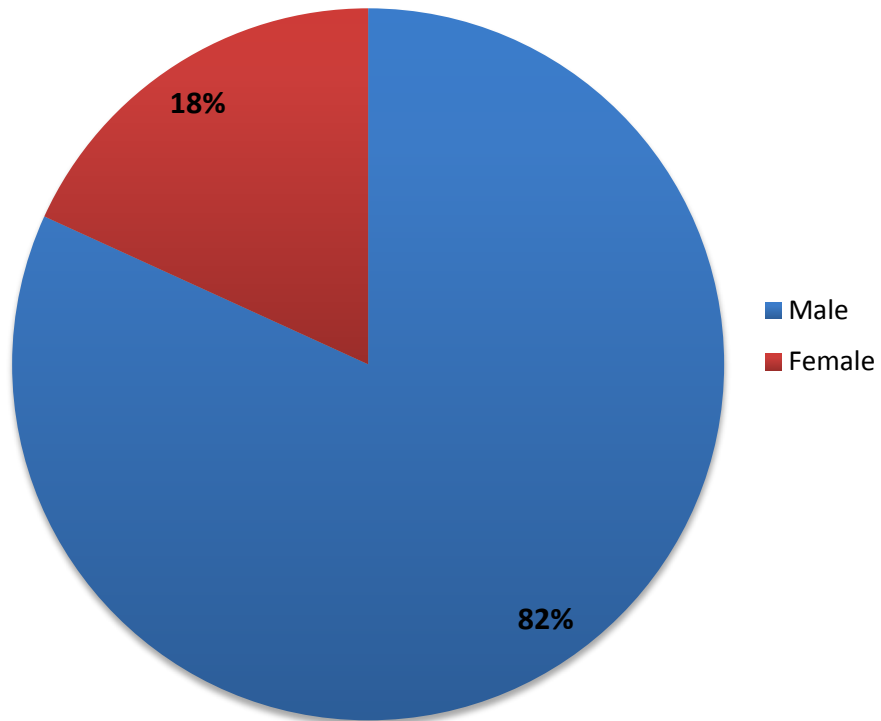
Number of AIDS Cases by Age Group at Diagnosis in West Virginia from 2011-2015



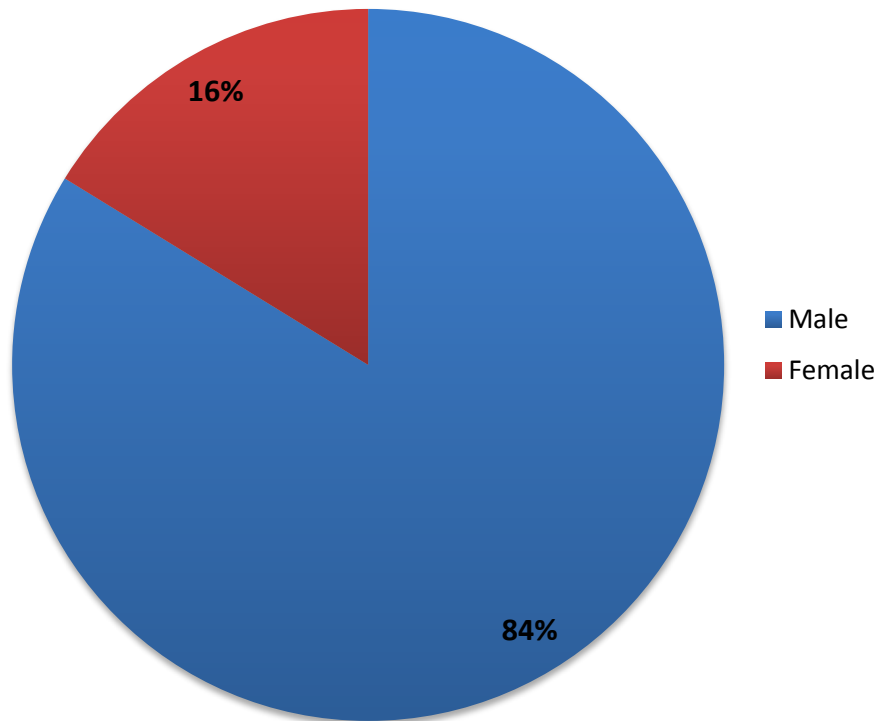
Number of AIDS Cases by Age Group at Diagnosis in West Virginia from 1984-2010



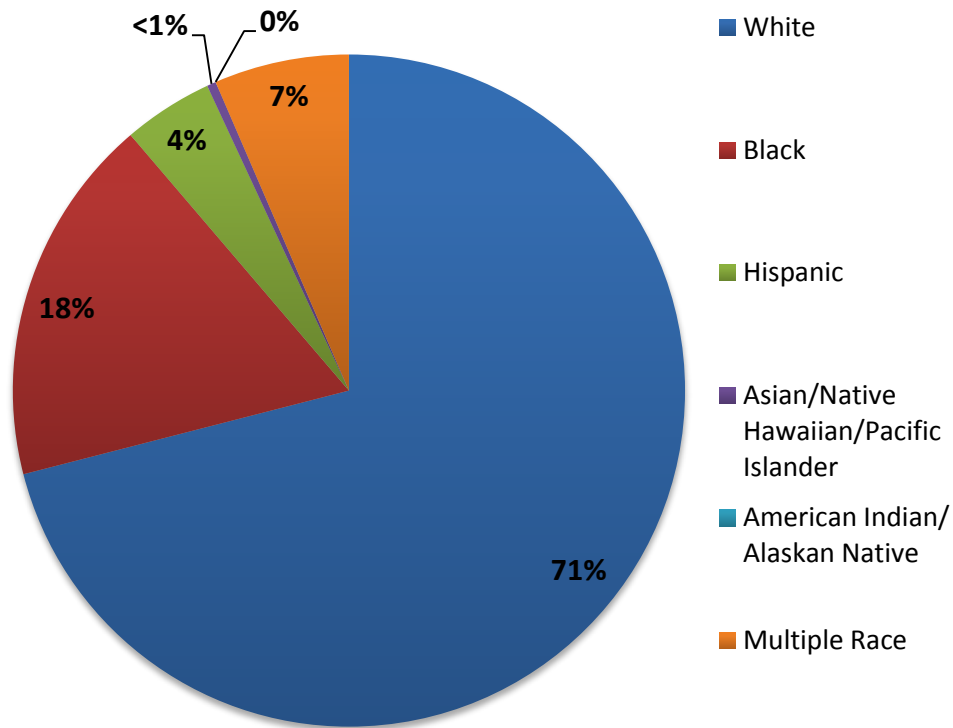
Percentage of AIDS Cases by Gender in West Virginia from 2011-2015



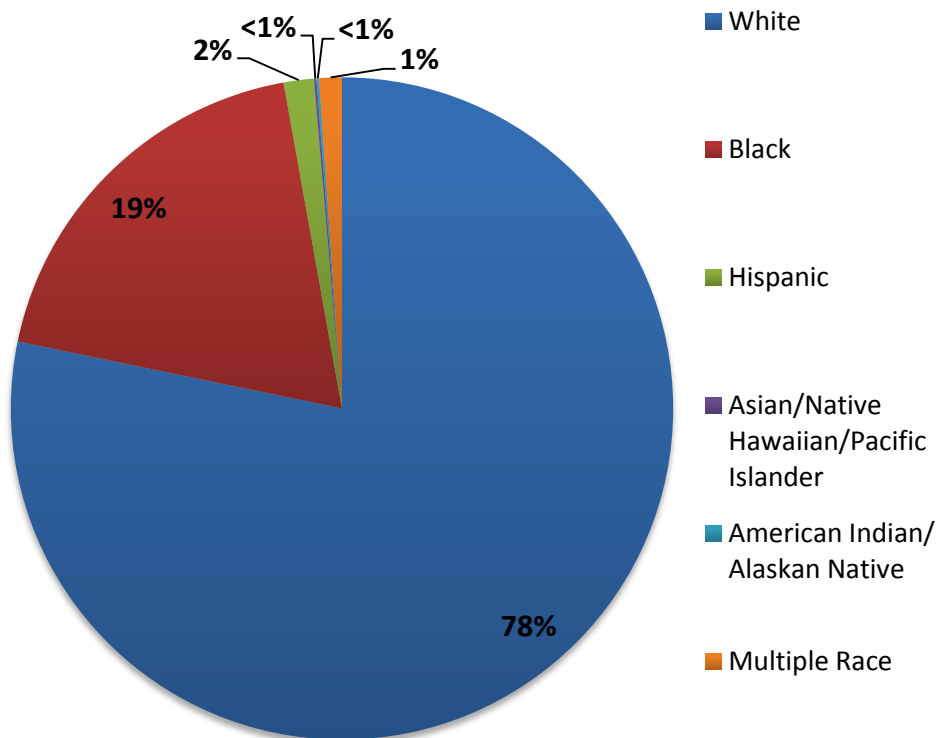
Percentage of AIDS Cases by Gender in West Virginia from 1984-2010



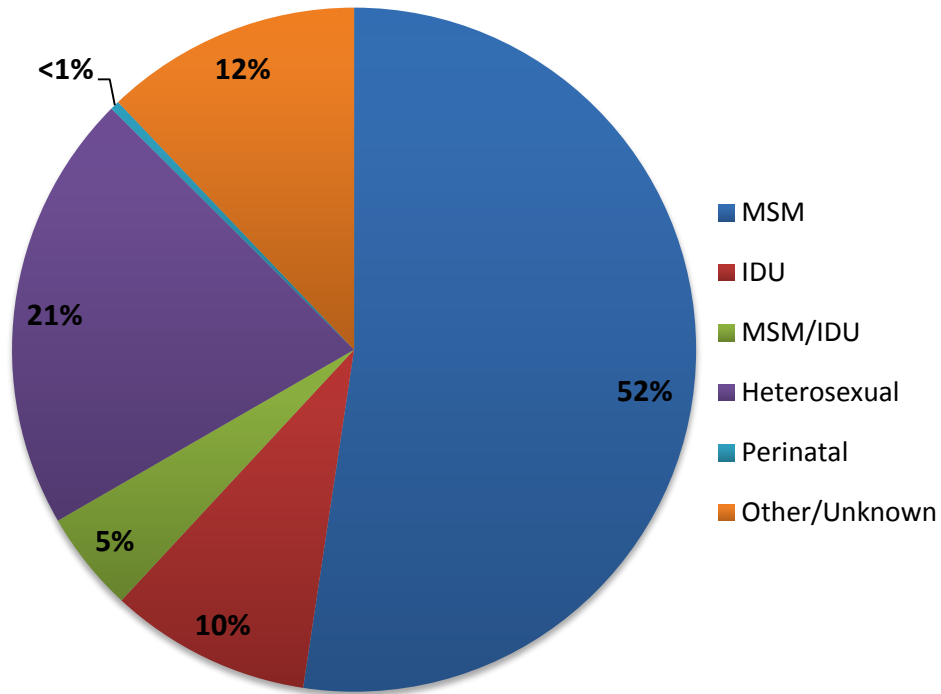
Percentage of AIDS Cases by Race in West Virginia from 2011-2015



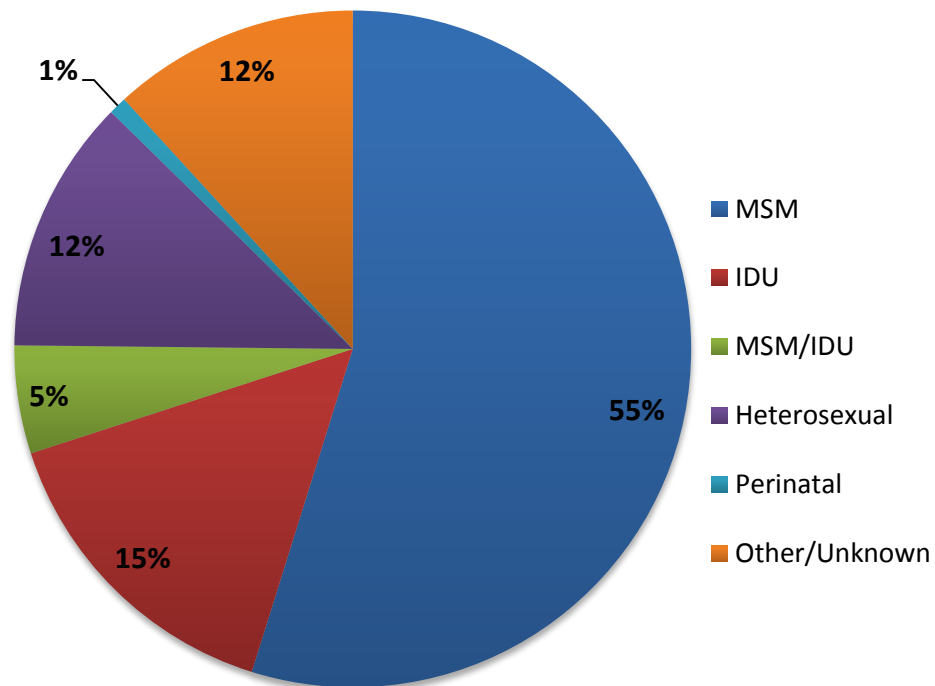
Percentage of AIDS Cases by Race in West Virginia from 1984-2010



Percentage of AIDS Cases by Exposure Category in West Virginia from 2011-2015



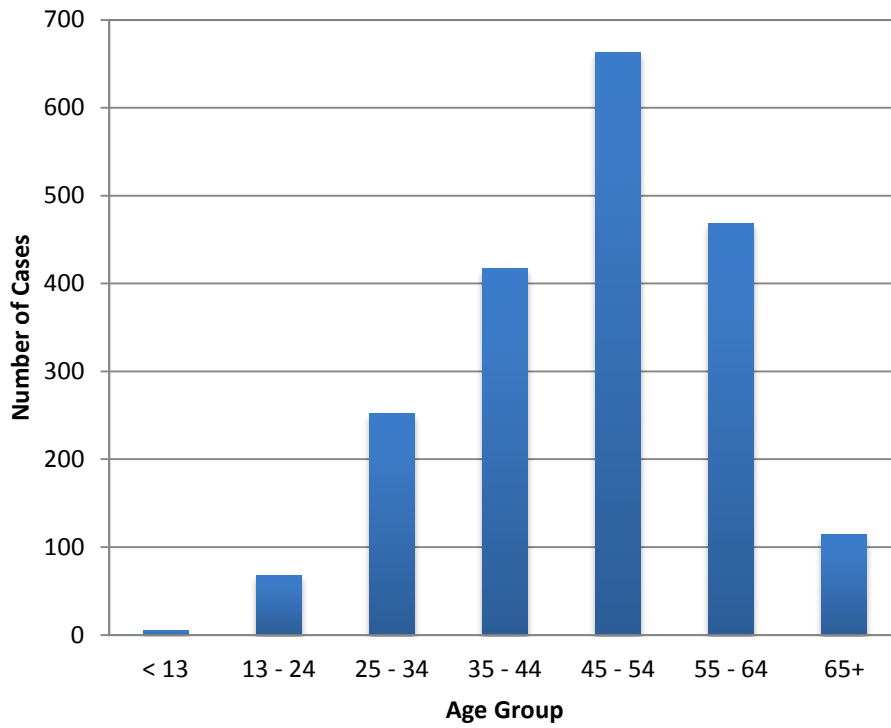
Percentage of AIDS Cases by Exposure Category in West Virginia from 1984-2010



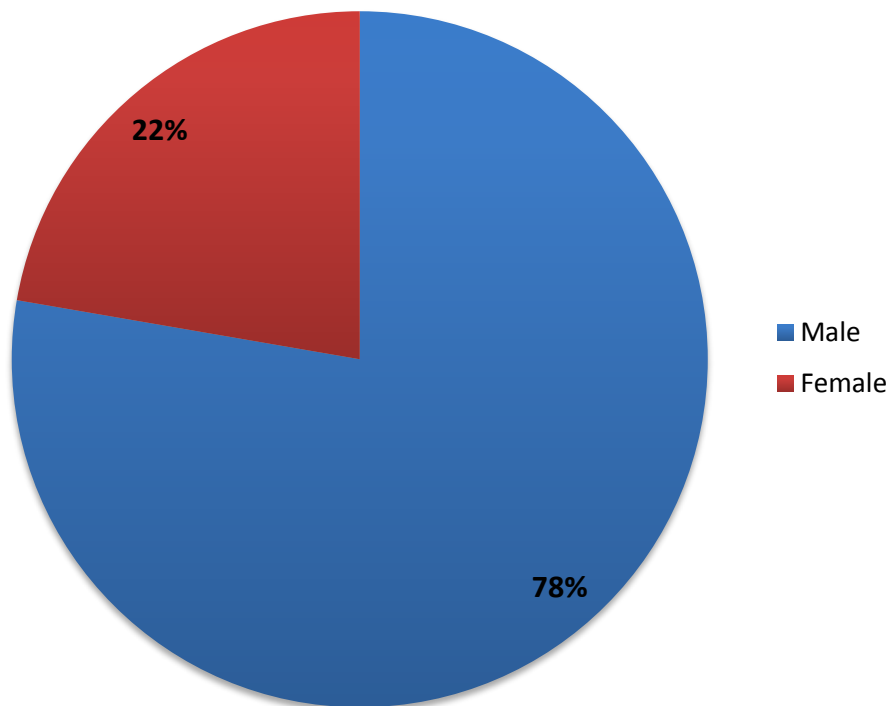
People Living with HIV/AIDS (PLWHA) in West Virginia

Number and Percentage of People Living with HIV/AIDS in West Virginia as of December 31, 2015		
Characteristic	No.	%
Current Age		
<13	5	0.3
13-24	69	3.5
25-34	253	12.7
35-44	416	20.9
45-54	668	33.6
55-64	463	23.3
65+	114	5.7
Gender		
Males	1,545	77.7
Females	443	22.3
Race/Ethnicity		
White	1,424	71.6
Black	434	21.8
Hispanic	60	3.0
Asian, Native Hawaiian/Pacific Islander	12	0.6
American Indian/Alaskan Native	<5	0.1
Multiple Race	57	2.9
Exposure Category		
Male-to-male sex (MSM)	1,067	53.7
Injection drug use (IDU)	228	11.5
MSM/IDU	98	4.9
Heterosexual contact	344	17.3
Perinatal	21	1.1
Other†/Unknown	230	11.6
Total People Living with HIV/AIDS	1,988	100
<p>Data Source: West Virginia Department of Health and Human Resources (DHHR), Bureau for Public Health (BPH), Enhanced HIV/AIDS Reporting System (eHARS)</p> <p>Notes: Estimated number of People Living with HIV/AIDS (PLWHA) as of December 31, 2015. 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. All data excludes individuals who currently reside in federal prison.</p> <p>†"Other" risk category includes hemophilia, blood transfusion, and risk not reported or not identified.</p>		

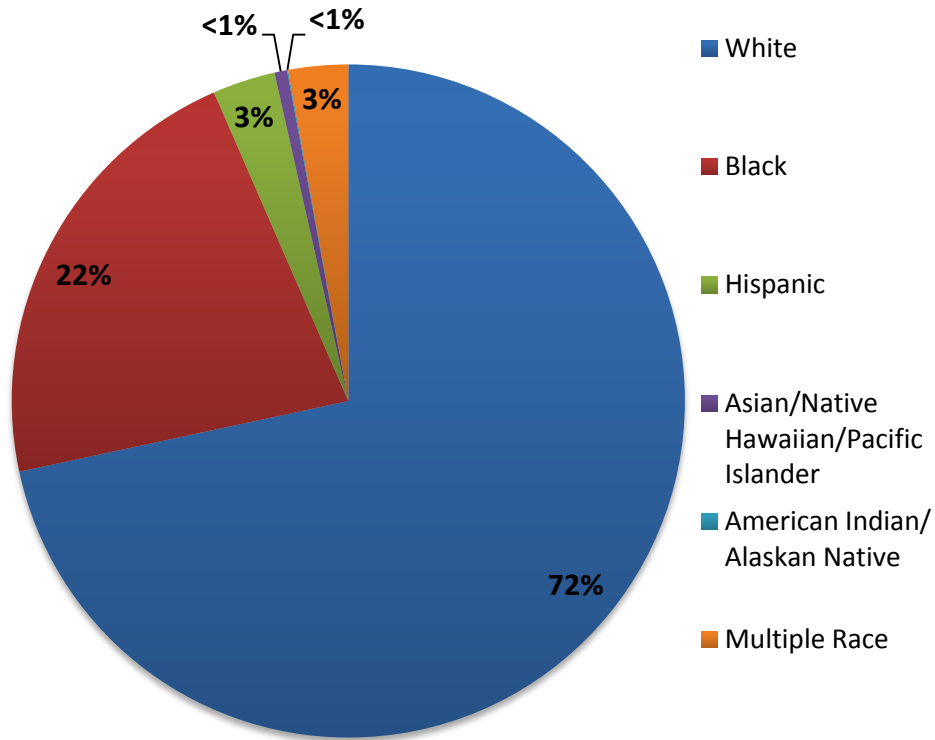
Number of People Living with HIV/AIDS by Current Age Group in West Virginia as of 2015



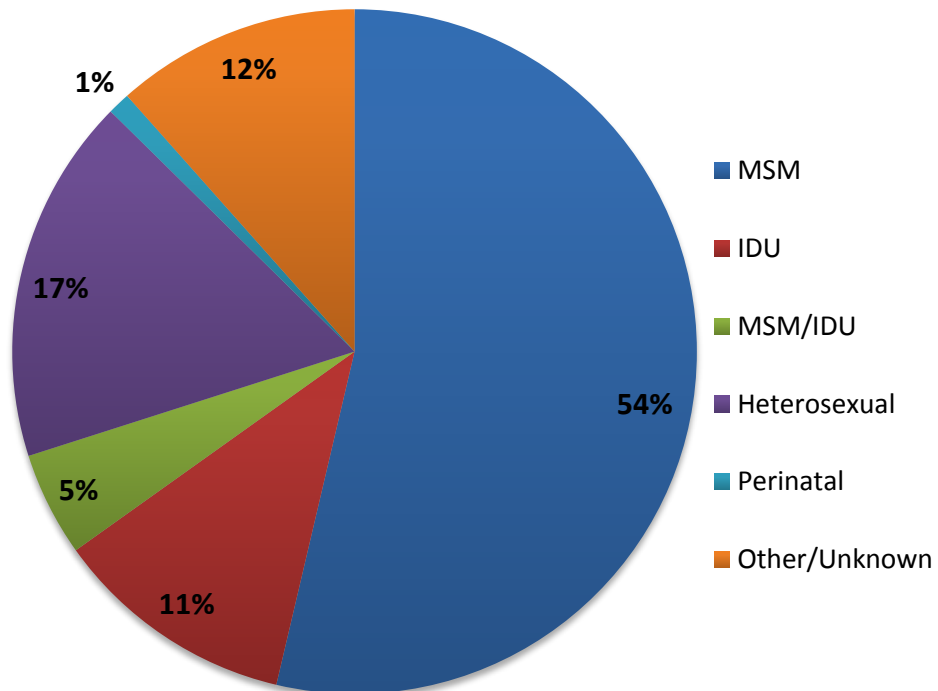
Percentage of People Living with HIV/AIDS by Gender in West Virginia as of 2015



Percentage of People Living with HIV/AIDS by Race in West Virginia as of 2015

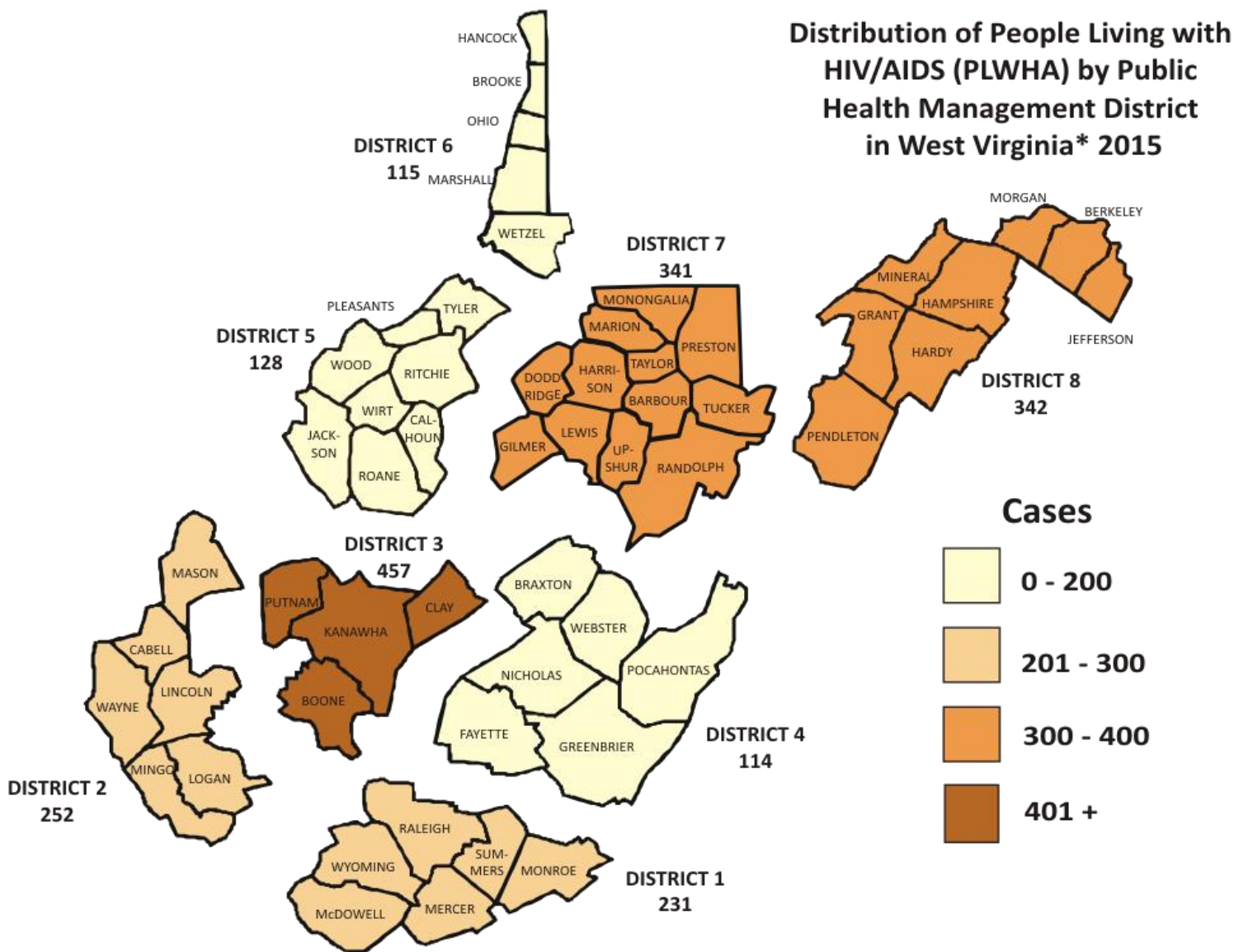


Percentage of People Living with HIV/AIDS by Exposure Category in West Virginia as of 2015



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, Enhanced HIV/AIDS Reporting System

Total PLWHA in West Virginia: 1,988
*Excludes federal prisoners. There are 8 cases with unknown district of residence.

Number of Persons Living with HIV/AIDS (PLWHA) by Public Health District in West Virginia as of December 31, 2015									
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	11	7	18	9	<5	<5	8	9	69
25-34	37	41	60	8	16	9	49	31	253
35-44	54	57	92	28	25	16	76	66	416
45-54	71	86	166	35	51	45	108	104	668
55-64	47	50	91	29	28	34	82	100	463
65+	11	11	27	5	4	7	18	31	114
Gender									
Males	160	193	364	83	109	91	286	253	1,545
Females	71	59	93	31	19	24	55	89	443
Race/Ethnicity									
White	155	207	314	83	107	93	263	197	1,424
Black	61	33	112	22	15	16	51	122	434
Hispanic	<5	<5	11	<5	6	<5	17	11	60
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	10	8	18	5	<5	<5	6	7	57
Exposure Category									
Male-to-male sex (MSM)	110	134	283	59	80	62	190	146	1,067
Injection drug use (IDU)	42	28	29	18	11	11	33	54	228
MSM/IDU	11	12	18	6	5	7	25	14	98
Heterosexual contact	42	46	66	19	18	24	51	76	344
Perinatal	<5	<5	5	<5	<5	<5	<5	<5	21
Other†/Unknown	22	32	56	10	12	11	38	48	230
Total	231	252	457	114	128	115	341	342	1,988
Data Source: West Virginia Department of Health and Human Resources (DHHR), Bureau for Public Health (BPH), Enhanced HIV/AIDS Reporting System (eHARS) Notes: Estimated number of People Living with HIV/AIDS (PLWHA) as of December 31, 2015. 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. All data excludes individuals who currently reside in federal prison. *The total of 1,988 PLWHA includes 8 cases with unknown district of current residence. †"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, persons who 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, evaluation, and dissemination 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/Alaskan 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