



# WEST VIRGINIA HIV/AIDS SURVEILLANCE REPORT

May 2015

West Virginia HIV/AIDS Surveillance Program

**West Virginia  
HIV/AIDS Surveillance Report  
May 2015**

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**An electronic version of the profile is available at:**  
**[www.hiv.wv.gov](http://www.hiv.wv.gov)**

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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 2014. 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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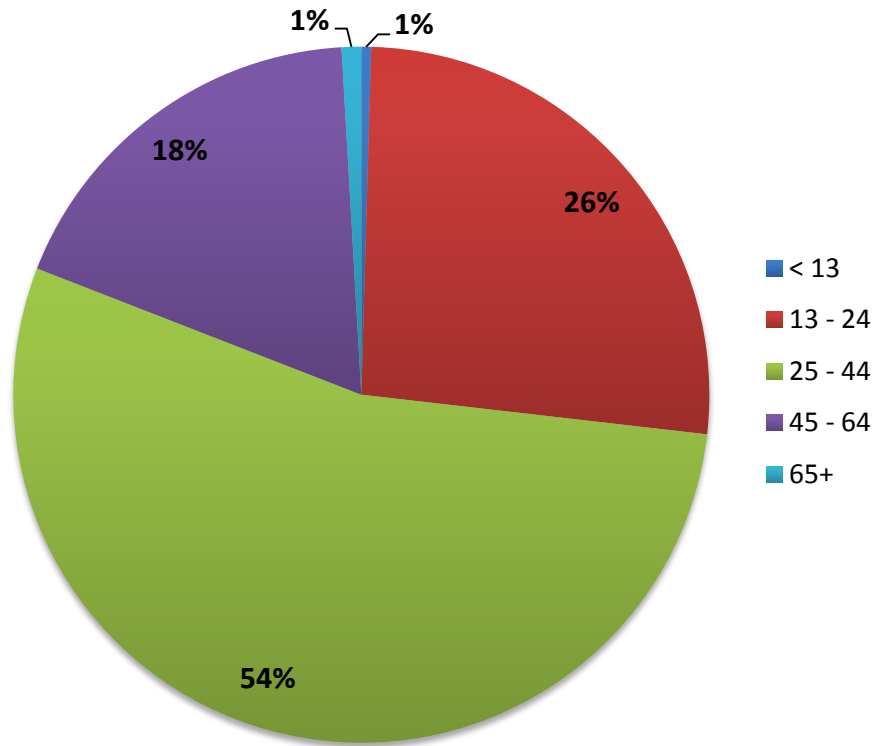
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## HIV – Not AIDS

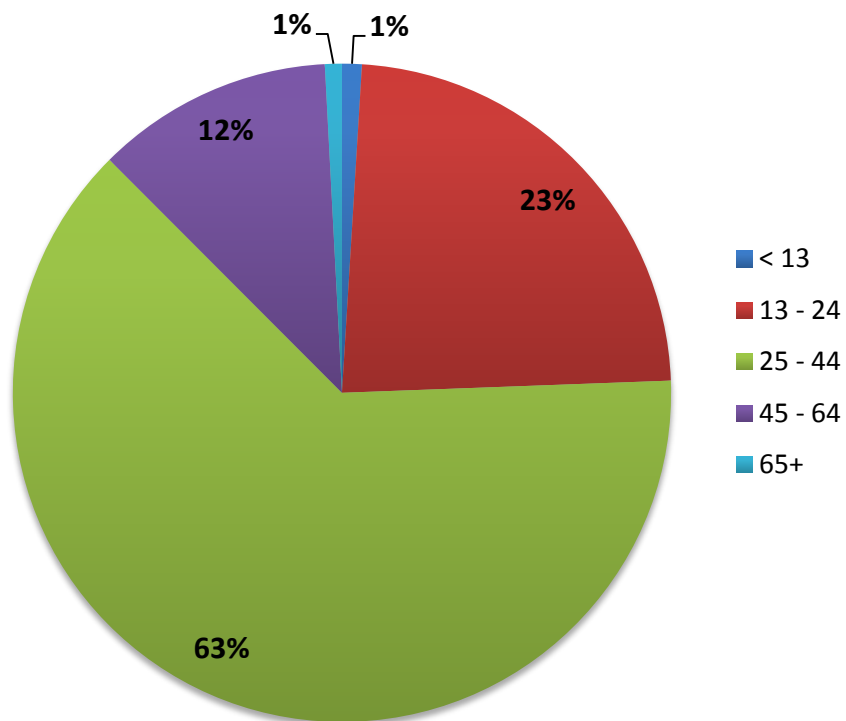
Number of HIV Cases by Select Characteristics in West Virginia from 9/1989-12/2014							
Characteristic	Cumulative						Cumulative through 2014
	through 2009	2010	2011	2012	2013	2014	
<b>Age at Diagnosis</b>							
<13	9	<5	<5	<5	<5	<5	<b>10</b>
13-24	175	9	14	11	9	15	<b>233</b>
25-44	472	26	22	27	15	29	<b>591</b>
45-64	90	7	8	5	12	8	<b>130</b>
65+	6	<5	<5	<5	<5	<5	<b>8</b>
<b>Gender</b>							
Males	566	35	33	29	27	43	<b>733</b>
Females	186	7	12	14	10	10	<b>239</b>
<b>Race/Ethnicity</b>							
White	481	33	32	28	25	43	<b>642</b>
Black	242	5	9	9	8	7	<b>280</b>
Hispanic	15	<5	<5	<5	<5	<5	<b>26</b>
Asian, Native Hawaiian or Pacific Islander	<5	<5	<5	<5	<5	<5	<b>&lt;5</b>
American Indian or Alaskan Native	<5	<5	<5	<5	<5	<5	<b>&lt;5</b>
Multiple Race	7	<5	<5	<5	<5	<5	<b>17</b>
<b>Exposure Category</b>							
Male-to-male sex (MSM)	365	25	26	18	16	33	<b>483</b>
Injection drug use (IDU)	122	5	6	<5	7	<5	<b>146</b>
MSM/IDU	24	<5	<5	<5	<5	<5	<b>31</b>
Heterosexual contact	124	6	11	8	5	8	<b>162</b>
Perinatal	10	<5	<5	<5	<5	<5	<b>10</b>
Other†/Unknown	107	5	<5	11	8	8	<b>140</b>
<b>Total</b>	<b>752</b>	<b>42</b>	<b>45</b>	<b>43</b>	<b>37</b>	<b>53</b>	<b>972</b>
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, 2014. 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, 2014. 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.							
†"Other" risk category includes hemophilia, blood transfusion, and risk not reported or not identified.							



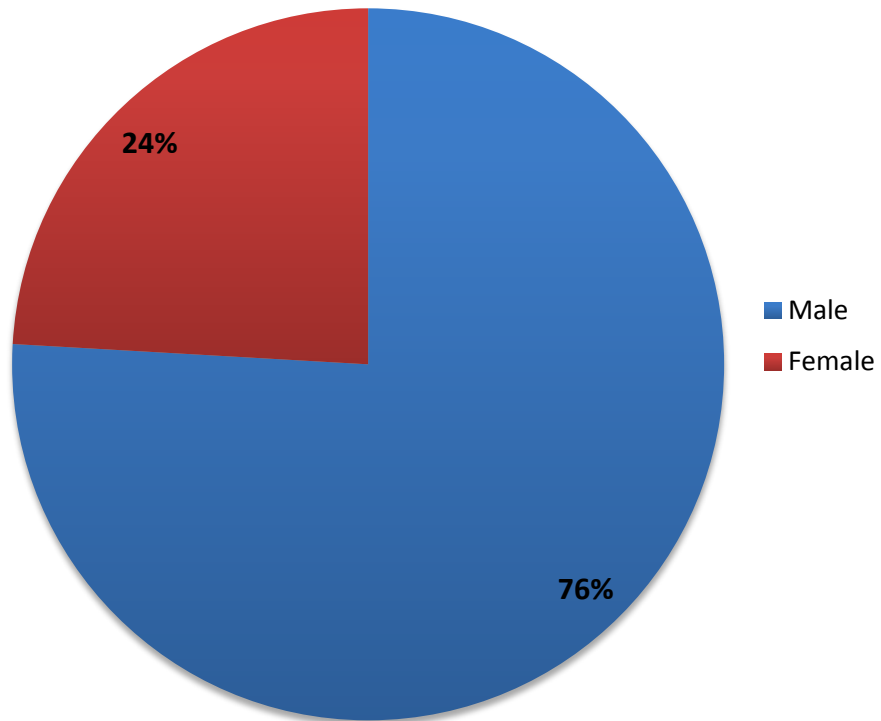
Percentage of HIV Cases by Age Group at Diagnosis in West Virginia from 2010-2014



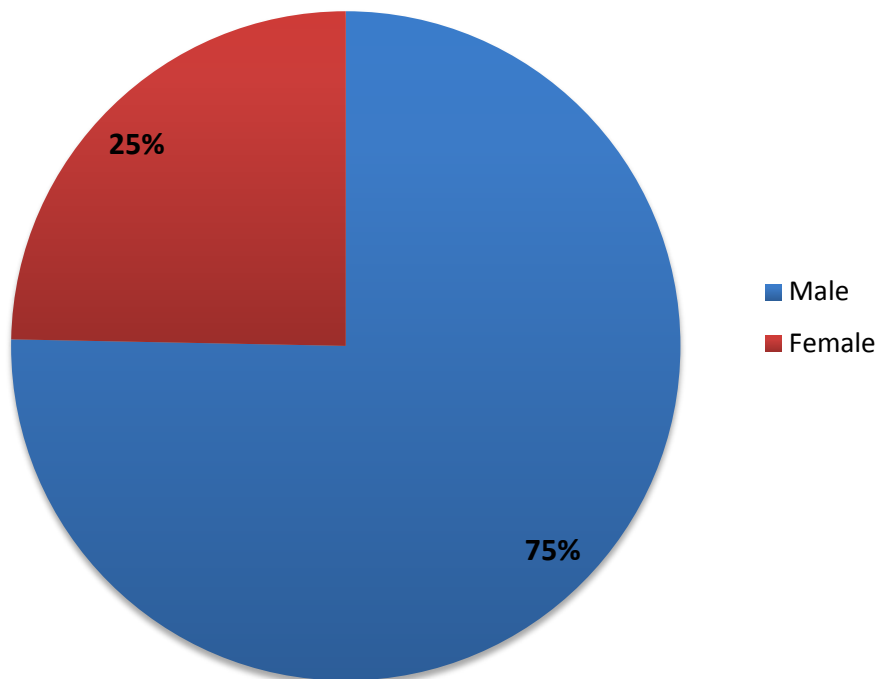
Percentage of HIV Cases by Age Group at Diagnosis in West Virginia from 1989-2009



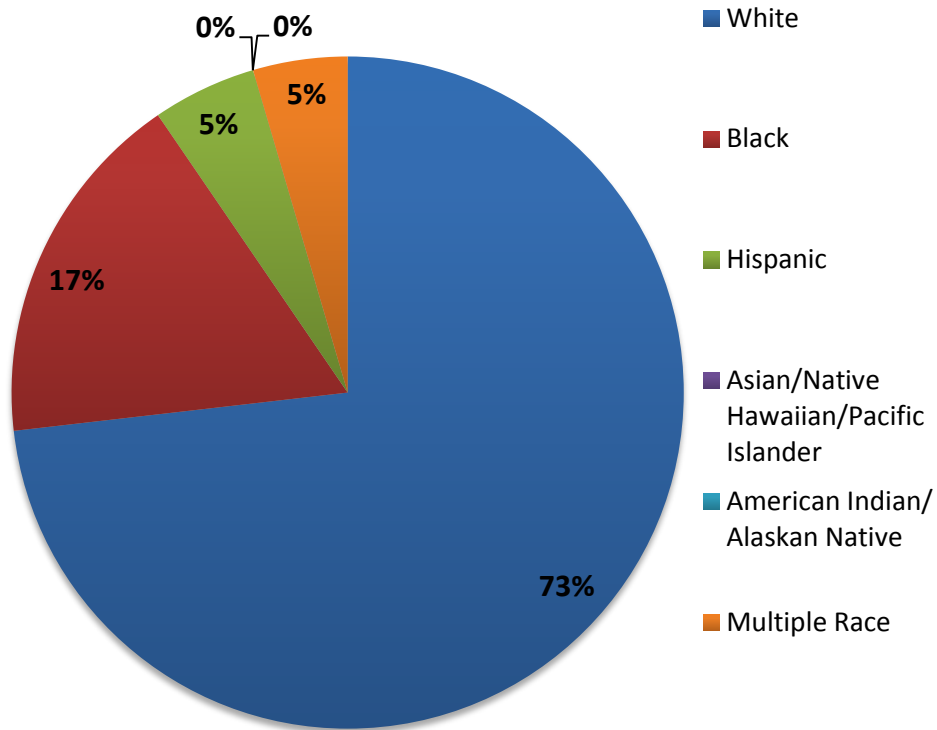
Percentage of HIV Cases by Gender in West Virginia from 2010-2014



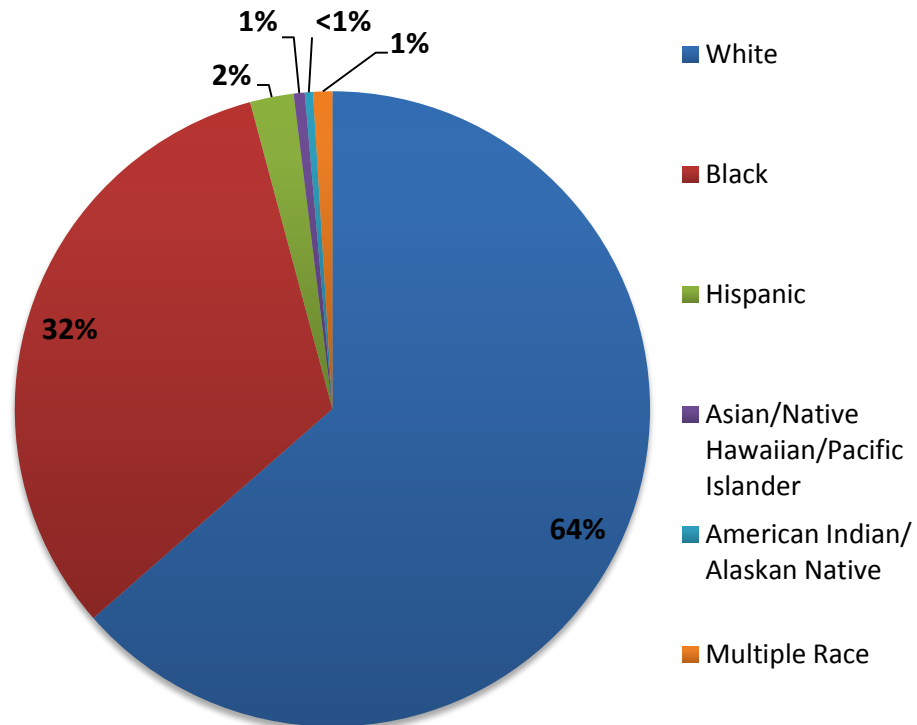
Percentage of HIV Cases by Gender in West Virginia from 1989-2009



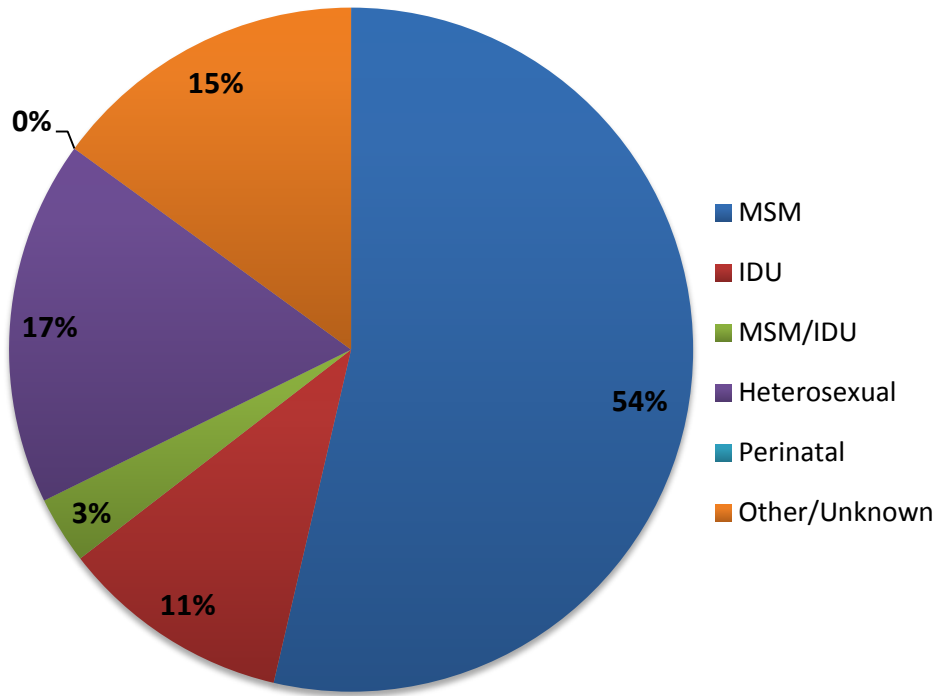
Percentage of HIV Cases by Race in West Virginia from 2010-2014



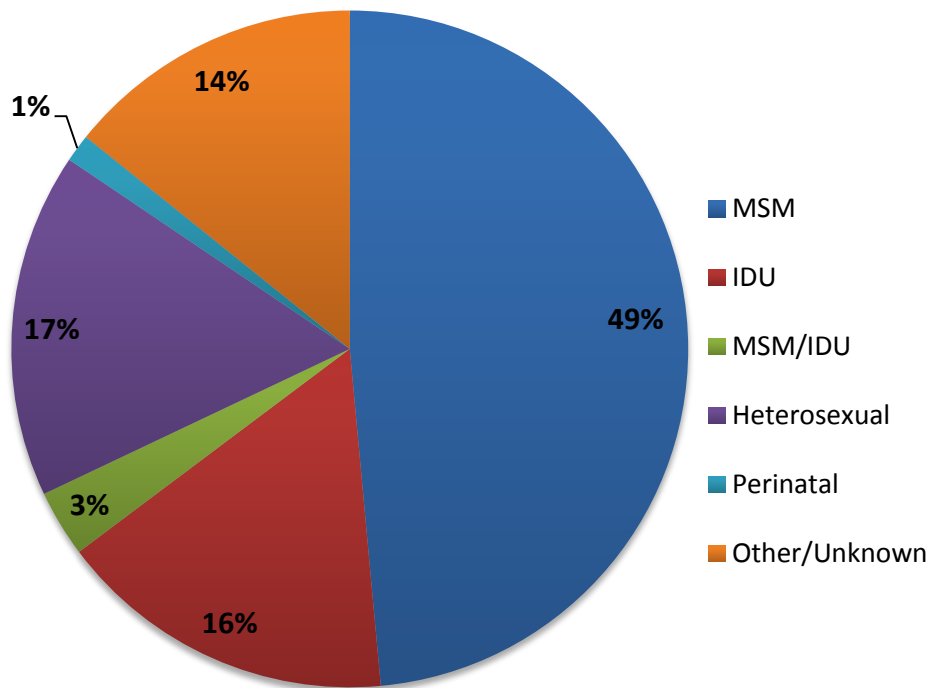
Percentage of HIV Cases by Race in West Virginia from 1989-2009



Percentage of HIV Cases by Exposure Category in West Virginia from 2010-2014



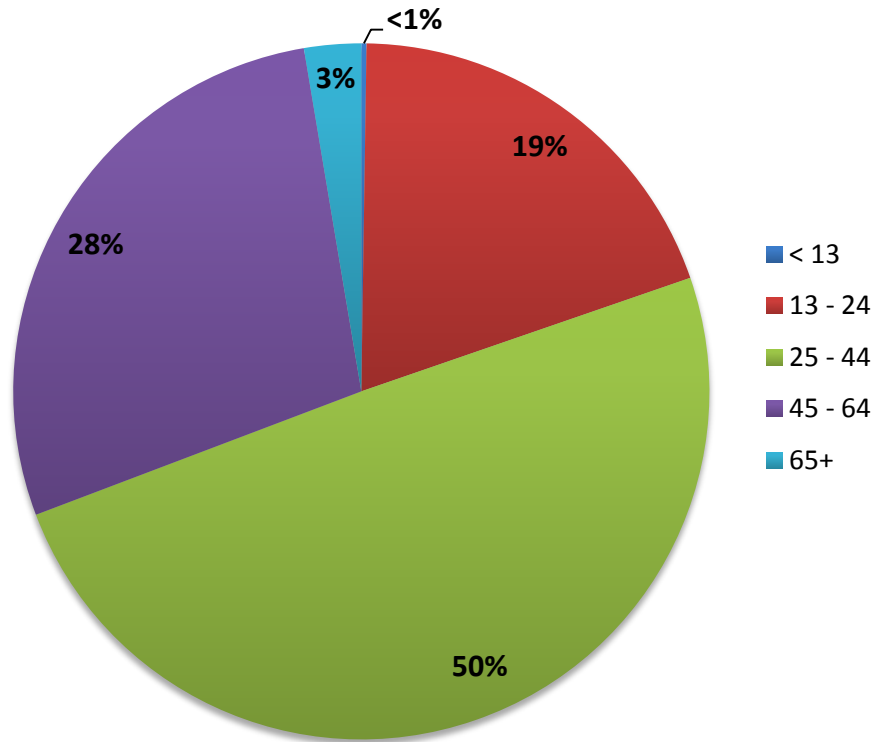
Percentage of HIV Cases by Exposure Category in West Virginia from 1989-2009



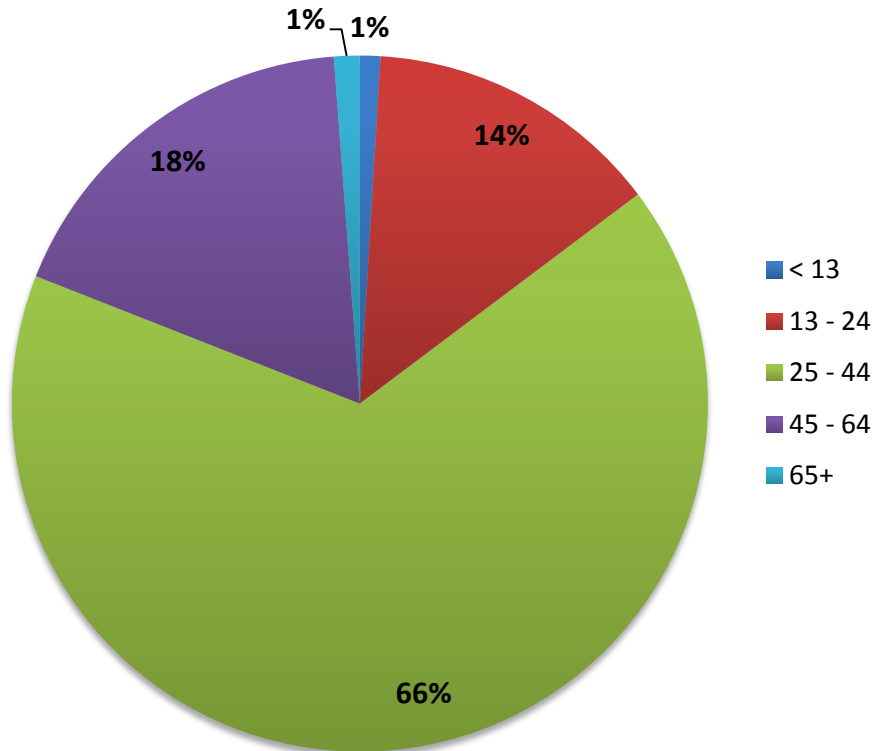
## HIV/AIDS

Number of HIV/AIDS Cases by Select Characteristics in West Virginia from 4/1984-12/2014							
Characteristic	Cumulative						Cumulative through 2014*
	through 2009	2010	2011	2012	2013	2014	
<b>Age at Diagnosis</b>							
<13	23	<5	<5	<5	<5	<5	24
13-24	334	14	19	17	11	20	415
25-44	1,604	45	40	43	39	39	1,810
45-64	432	26	29	19	24	19	549
65+	29	<5	<5	<5	<5	<5	40
<b>Gender</b>							
Males	1,962	73	71	62	63	66	2,297
Females	461	12	21	19	14	15	542
<b>Race/Ethnicity</b>							
White	1,787	60	67	51	54	67	2,086
Black	556	17	16	20	14	10	633
Hispanic	40	<5	<5	<5	6	<5	60
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	29	<5	5	6	<5	<5	48
<b>Exposure Category</b>							
Male-to-male sex (MSM)	1,280	50	50	41	38	50	1,509
Injection drug use (IDU)	372	7	12	5	12	5	413
MSM/IDU	108	<5	7	<5	<5	<5	128
Heterosexual contact	335	13	22	14	9	11	404
Perinatal	24	<5	<5	<5	<5	<5	24
Other†/Unknown	304	11	<5	18	15	12	361
<b>Total</b>	<b>2,423</b>	<b>85</b>	<b>92</b>	<b>81</b>	<b>77</b>	<b>81</b>	<b>2,839</b>
<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: Data reflects HIV and/or AIDS case numbers reported to the DHHR, BPH as of December 31, 2014. 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>							

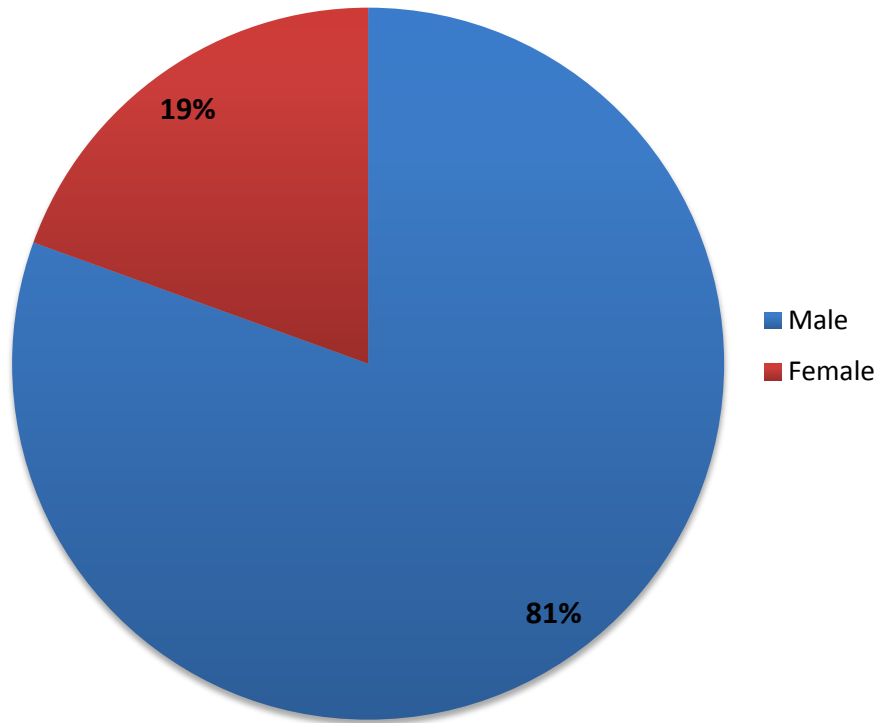
Percentage of HIV/AIDS Cases by Age Group at Diagnosis in West Virginia from 2010-2014



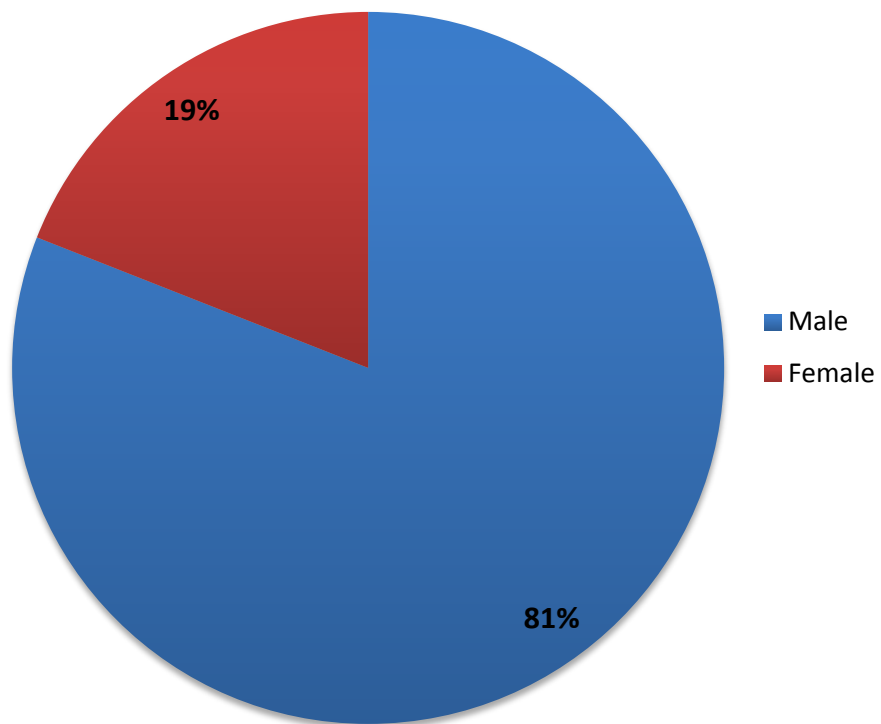
Percentage of HIV/AIDS Cases by Age Group at Diagnosis in West Virginia from 1984-2009



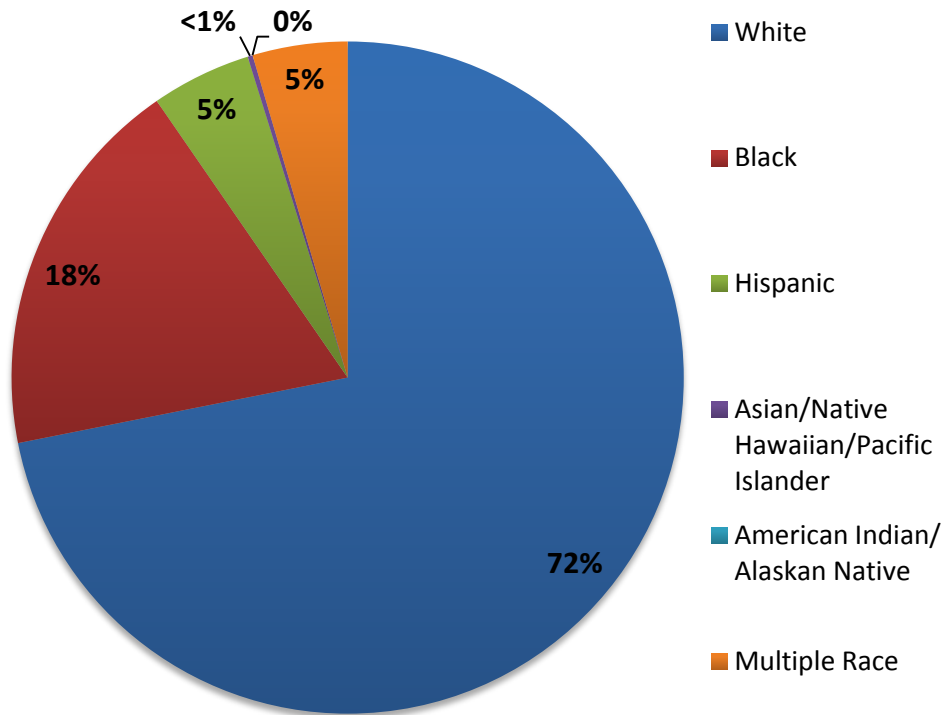
Percentage of HIV/AIDS Cases by Gender in West Virginia from 2010-2014



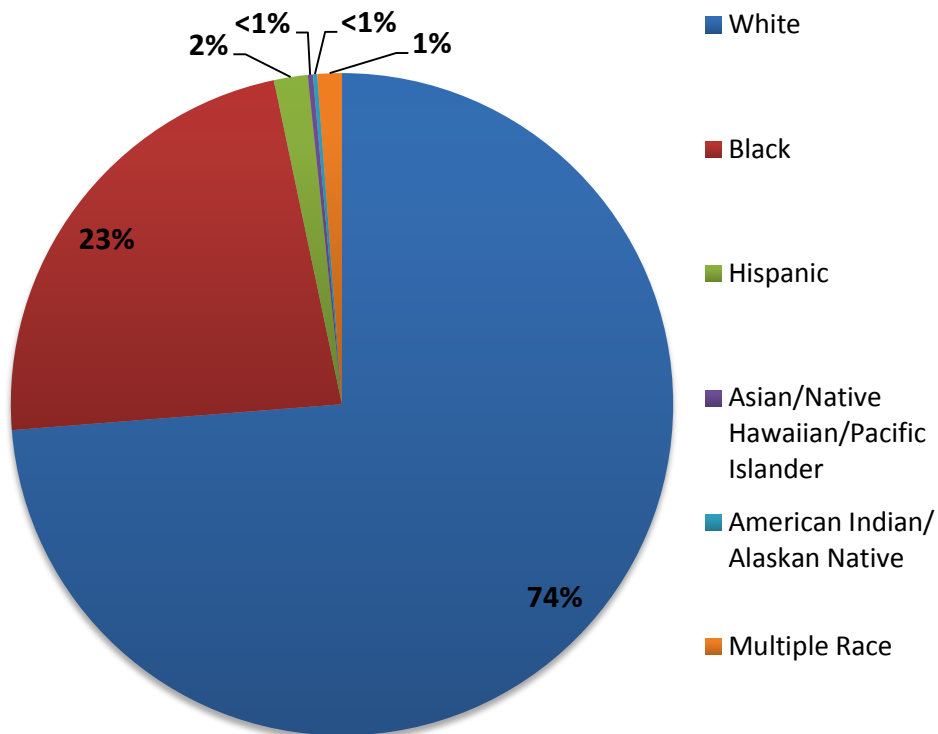
Percentage of HIV/AIDS Cases by Gender in West Virginia from 1984-2009



Percentage of HIV/AIDS Cases by Race in West Virginia from 2010-2014

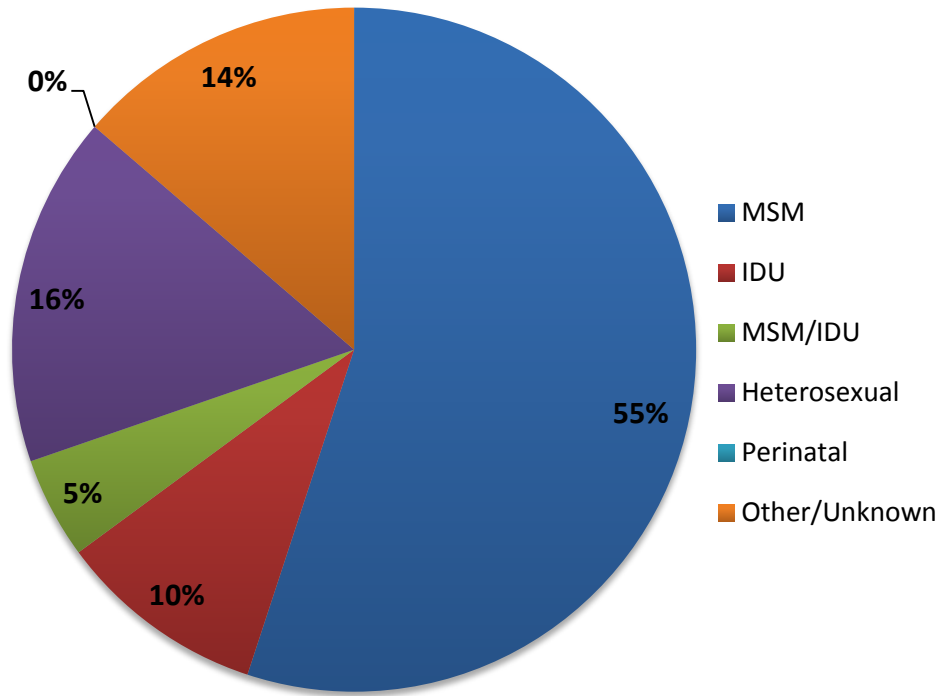


Percentage of HIV/AIDS Cases by Race in West Virginia from 1984-2009

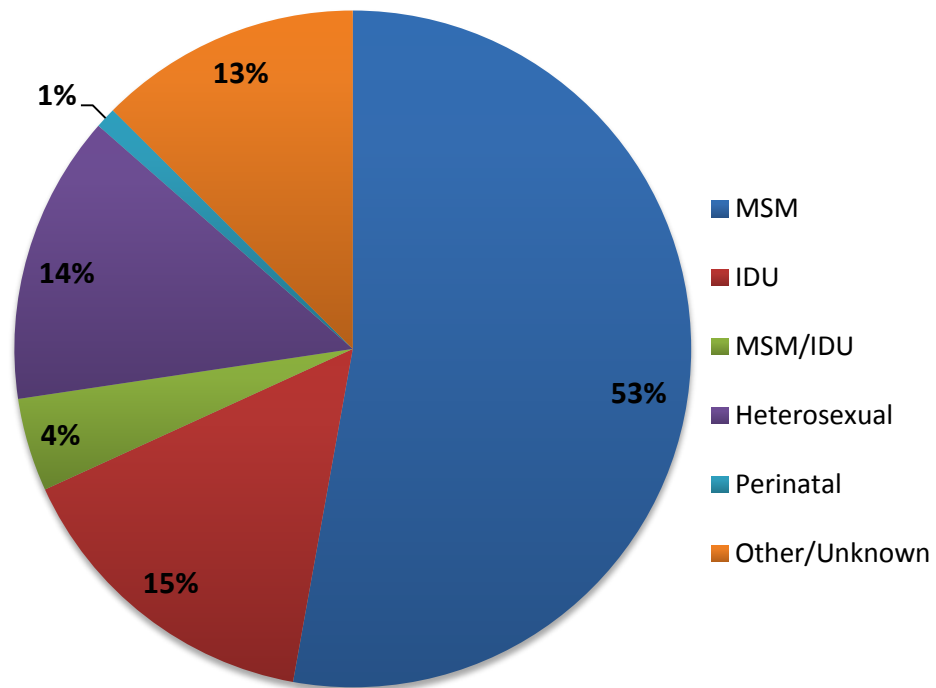




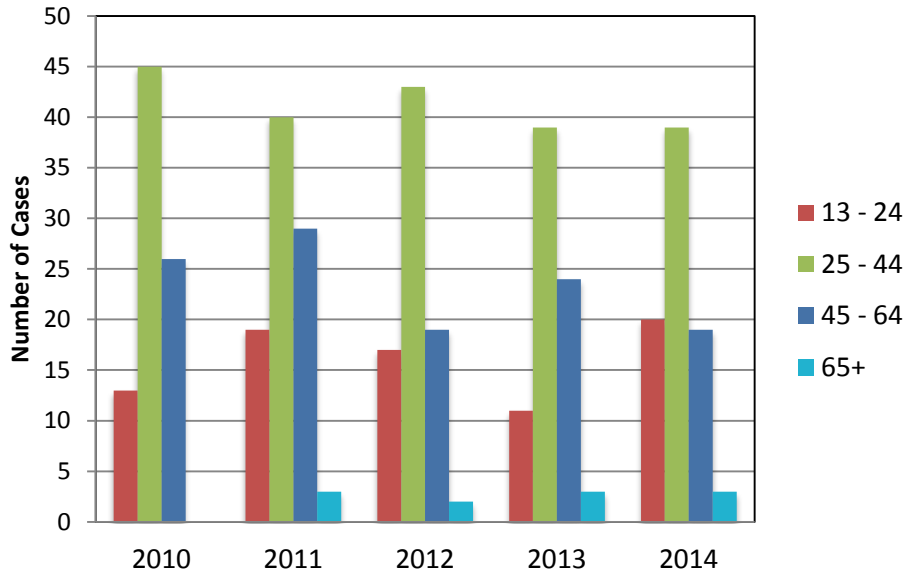
Percentage of HIV/AIDS Cases by Exposure Category in West Virginia from 2010-2014



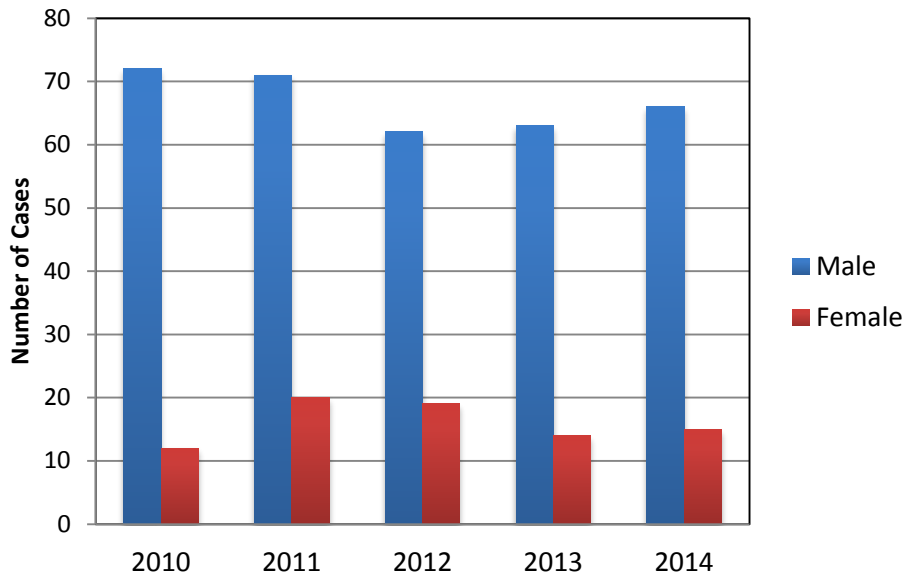
Percentage of HIV/AIDS Cases by Exposure Category in West Virginia from 1984-2009



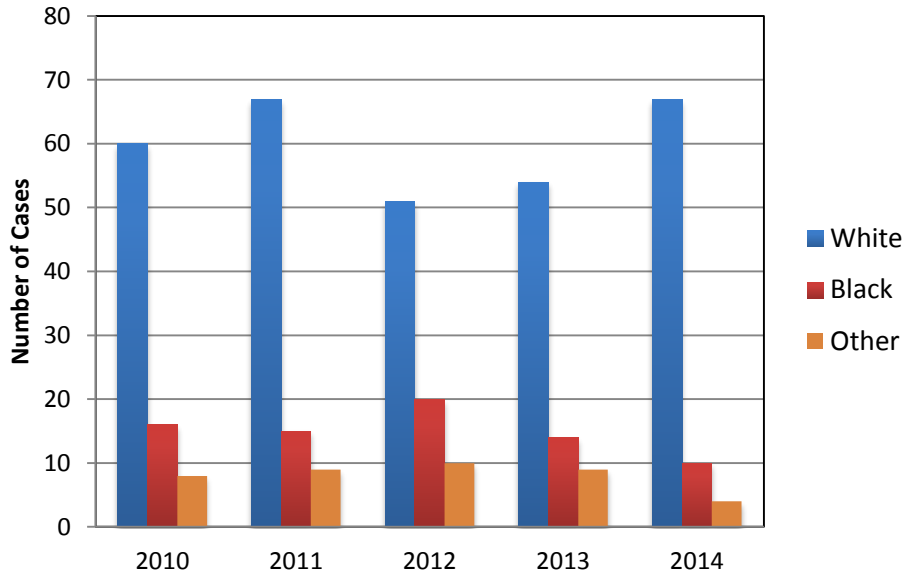
**Number of Adult and Adolescent HIV/AIDS Cases by Age Group Diagnosed in West Virginia, 2010-2014**



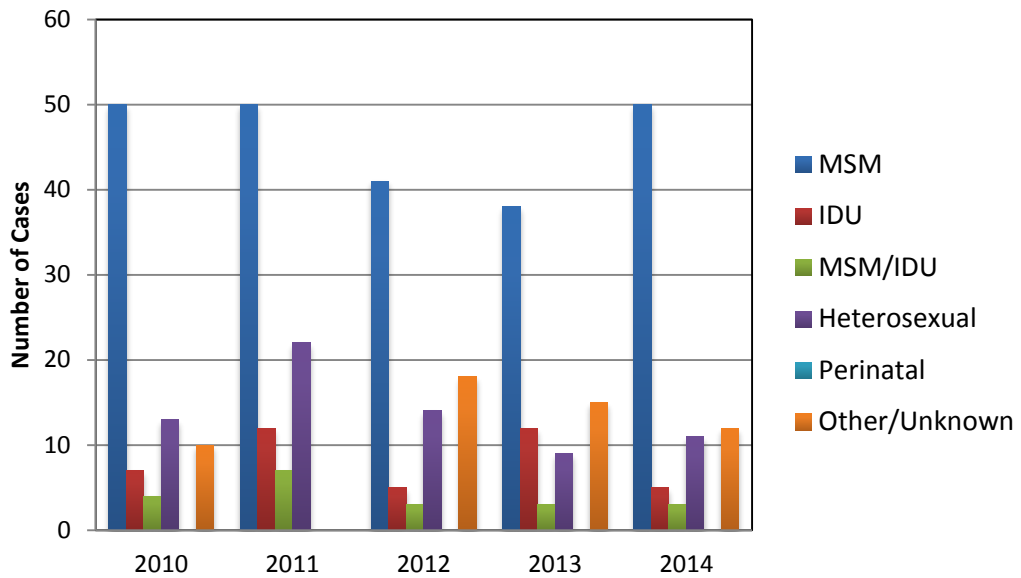
**Number of Adult and Adolescent HIV/AIDS Cases by Gender Diagnosed in West Virginia, 2010-2014**



**Number of Adult and Adolescent HIV/AIDS Cases by Race Diagnosed in West Virginia, 2010-2014**



**Number of Adult and Adolescent HIV/AIDS Cases by Exposure Category Diagnosed in West Virginia, 2010-2014**



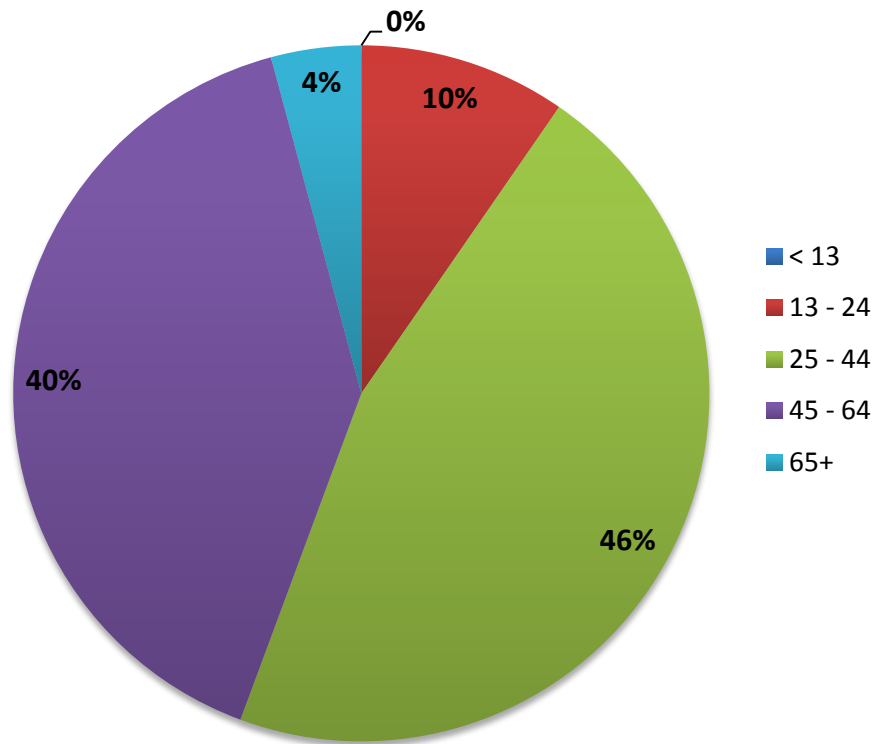
## DEATHS

Deaths among Persons with HIV/AIDS by Year of Death and Select Characteristics in West Virginia from 4/1984-12/2014							
Characteristic	Cumulative deaths						Cumulative deaths through 2014*
	through 2009	2010	2011	2012	2013	2014	
<b>Age at Death</b>							
<13	6	<5	<5	<5	<5	<5	6
13-24	28	<5	<5	<5	<5	<5	31
25-44	645	8	13	6	<5	<5	676
45-64	292	24	22	18	19	13	388
65+	33	<5	<5	5	<5	<5	46
<b>Gender</b>							
Males	849	25	36	22	22	13	967
Females	155	8	<5	9	<5	<5	180
<b>Race/Ethnicity</b>							
White	781	19	30	19	18	11	878
Black	203	13	9	9	5	<5	242
Hispanic	10	<5	<5	<5	<5	<5	13
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	8	<5	<5	<5	<5	<5	12
<b>Exposure Category</b>							
Male-to-male sex (MSM)	516	14	25	9	14	10	588
Injection drug use (IDU)	172	5	<5	8	<5	<5	193
MSM/IDU	58	<5	<5	<5	<5	<5	66
Heterosexual contact	101	6	<5	7	<5	<5	119
Perinatal	5	<5	<5	<5	<5	<5	5
Other†/Unknown	152	5	5	6	7	<5	176
<b>Total</b>	<b>1,004</b>	<b>33</b>	<b>39</b>	<b>31</b>	<b>25</b>	<b>15</b>	<b>1,147</b>
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, 2014. 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.							

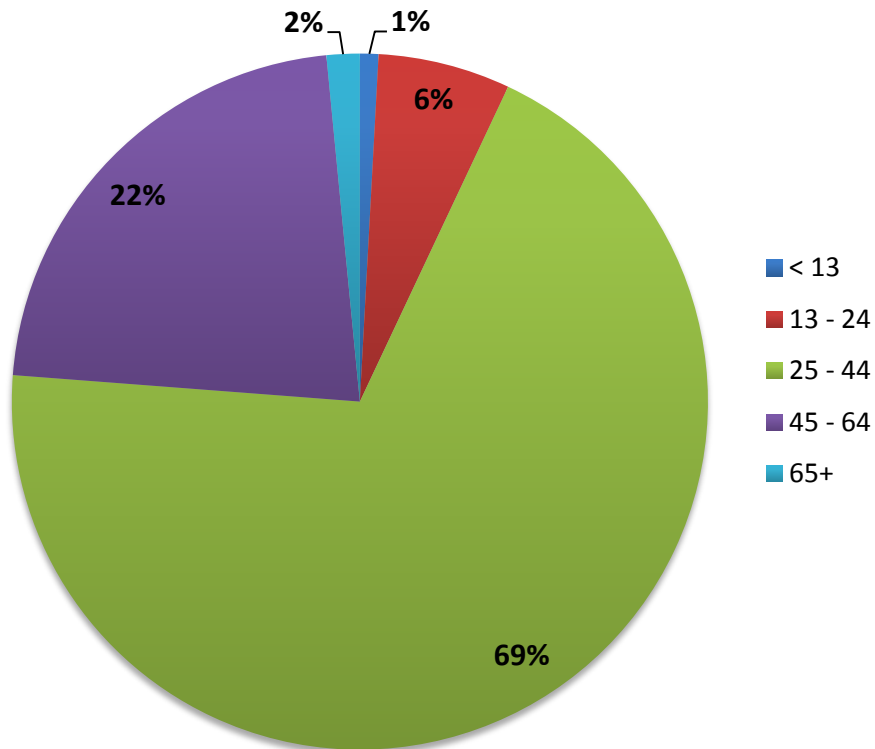
**AIDS**

Number of AIDS Cases by Select Characteristics in West Virginia from 4/1984-12/2014							
Characteristic	Cumulative through 2009	2010	2011	2012	2013	2014	Cumulative through 2014*
<b>Age at Diagnosis</b>							
<13	14	<5	<5	<5	<5	<5	14
13-24	100	<5	5	6	<5	5	123
25-44	1,126	18	24	27	27	14	1,236
45-64	362	22	20	17	18	19	458
65+	25	<5	<5	<5	<5	<5	35
<b>Gender</b>							
Males	1,363	39	41	45	44	31	1,564
Females	264	5	12	7	6	9	303
<b>Race/Ethnicity</b>							
White	1,273	30	39	34	35	32	1,444
Black	308	12	9	12	7	5	353
Hispanic	24	<5	<5	<5	<5	<5	34
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	18	<5	<5	<5	5	<5	31
<b>Exposure Category</b>							
Male-to-male sex (MSM)	892	27	27	28	30	22	1,026
Injection drug use (IDU)	247	<5	7	<5	<5	<5	267
MSM/IDU	84	<5	5	<5	<5	<5	97
Heterosexual contact	198	6	14	9	6	9	242
Perinatal	14	<5	<5	<5	<5	<5	14
Other†/Unknown	192	6	<5	10	8	<5	221
<b>Total</b>	<b>1,627</b>	<b>44</b>	<b>53</b>	<b>52</b>	<b>50</b>	<b>40</b>	<b>1,867</b>
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, 2014. 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 diagnosis year and one case with unknown age at diagnosis. †"Other" risk category includes hemophilia, blood transfusion, and risk not reported or not identified.							

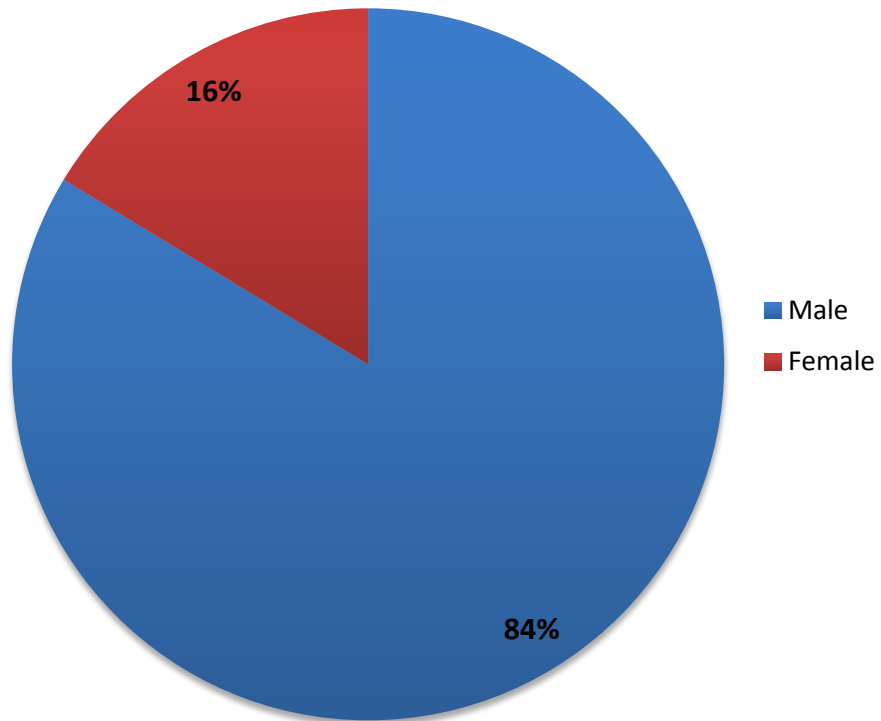
Percentage of AIDS Cases by Age Group at Diagnosis in West Virginia from 2010-2014



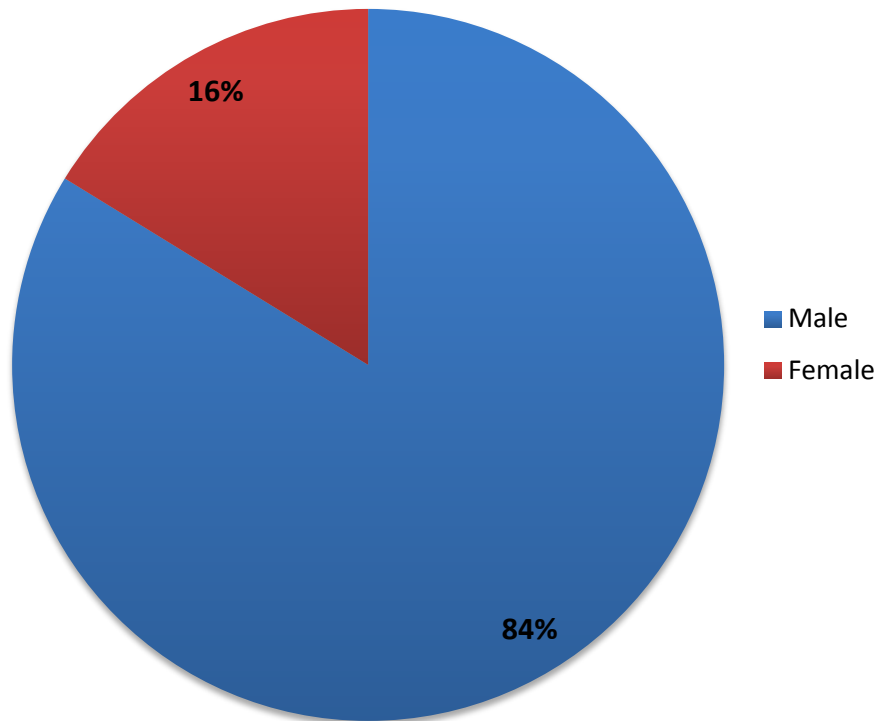
Percentage of AIDS Cases by Age Group at Diagnosis in West Virginia from 1984-2009



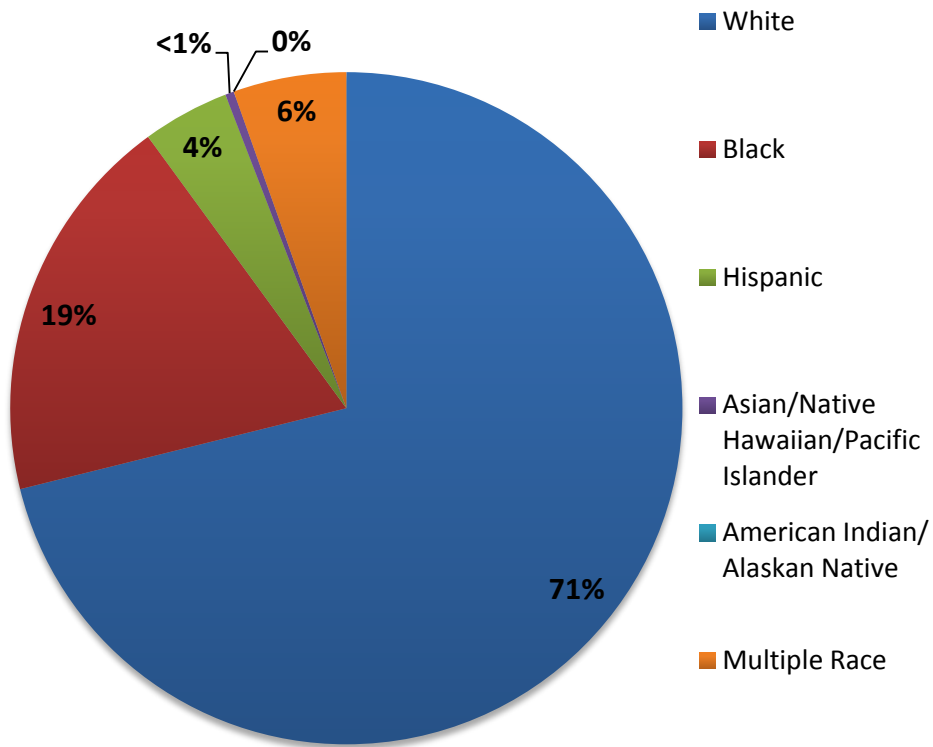
Percentage of AIDS Cases by Gender in West Virginia from 2010-2014



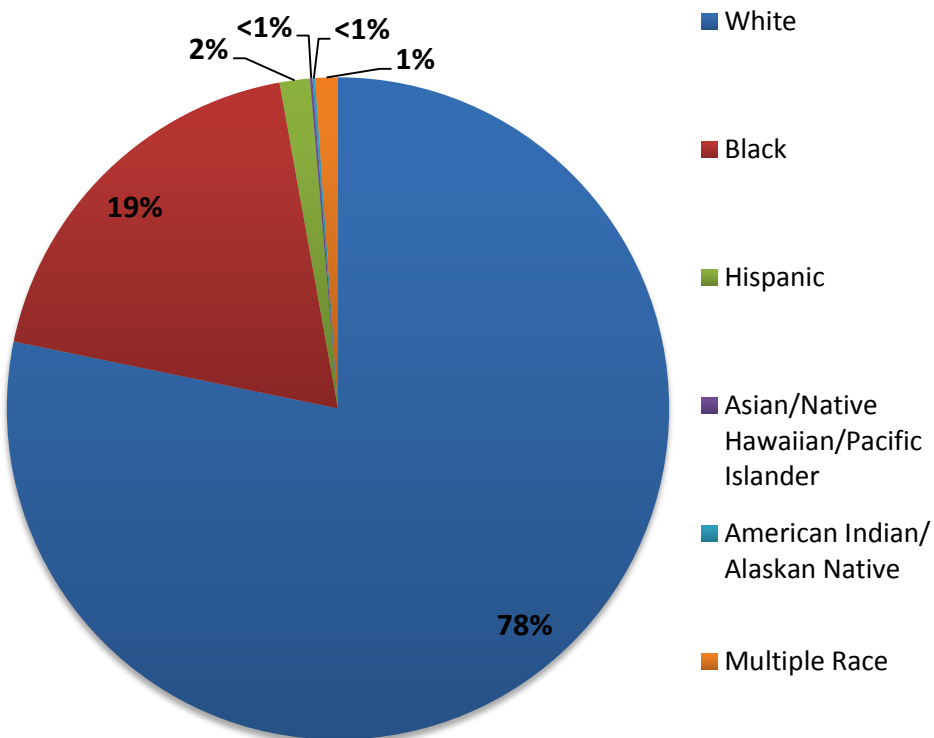
Percentage of AIDS Cases by Gender in West Virginia from 1984-2009



Percentage of AIDS Cases by Race in West Virginia from 2010-2014

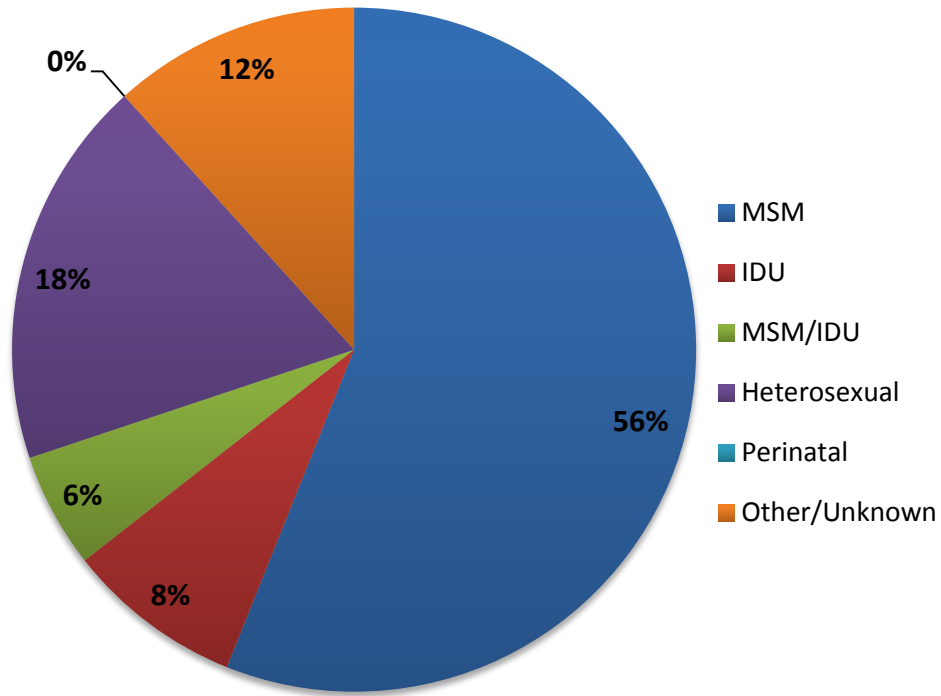


Percentage of AIDS Cases by Race in West Virginia from 1984-2009

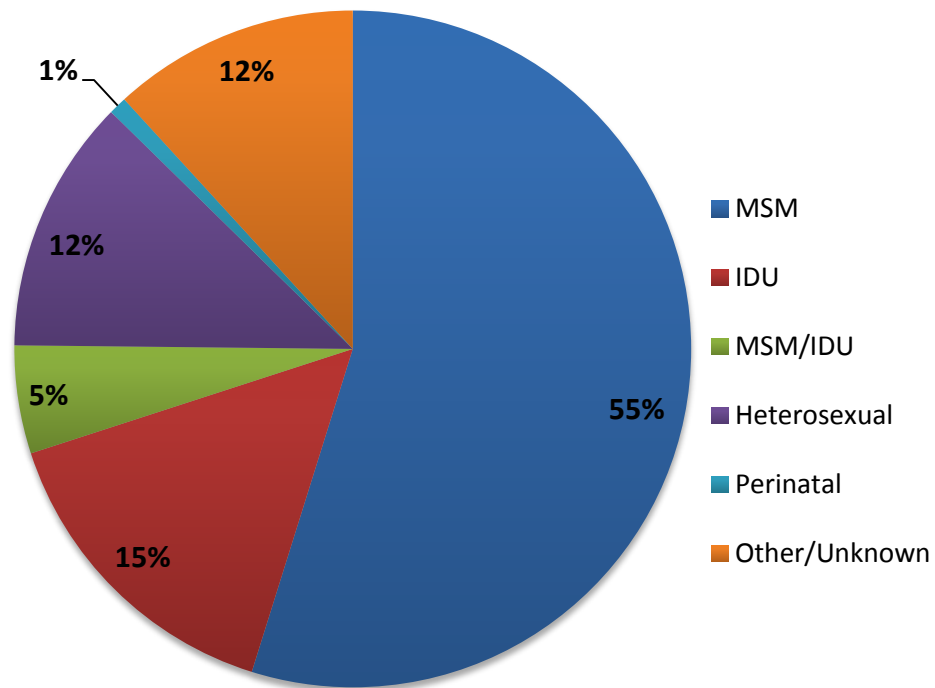




Percentage of AIDS Cases by Exposure Category in West Virginia from 2010-2014



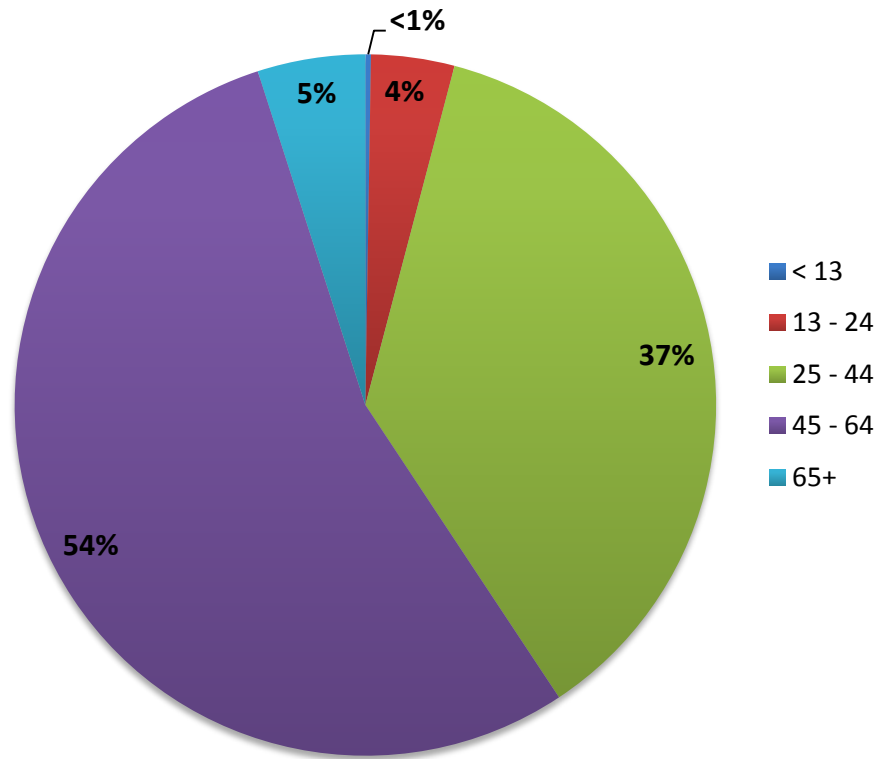
Percentage of AIDS Cases by Exposure Category in West Virginia from 1984-2009



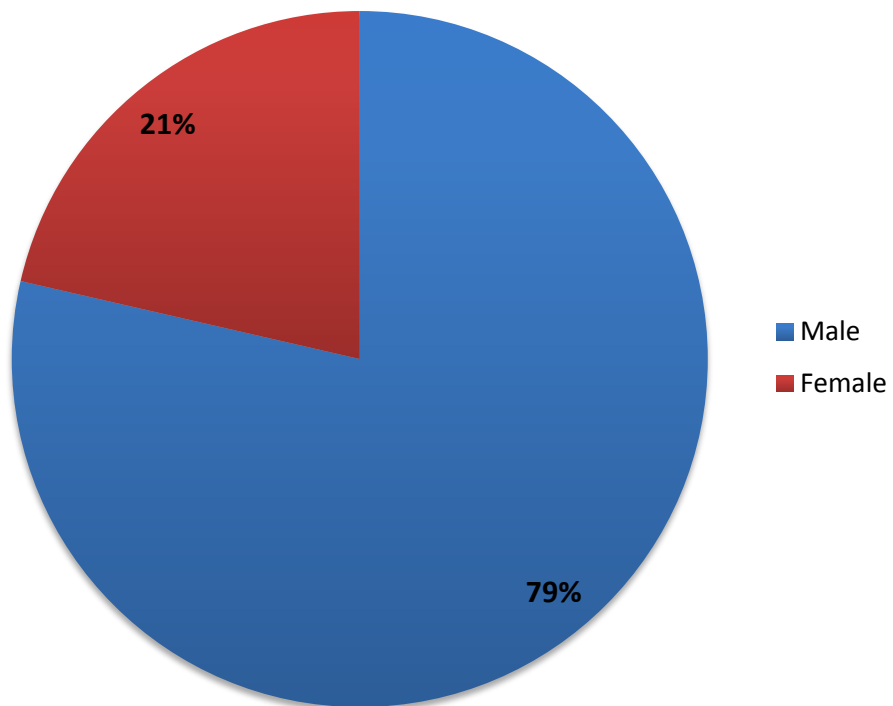
## People Living with HIV/AIDS (PLWHA) in West Virginia

Number and Percentage of People Living with HIV/AIDS in West Virginia as of December 31, 2014		
Characteristic	No.	%
<b>Current Age</b>		
<13	5	0.3
13-24	75	3.8
25-44	715	36.6
45-64	1,062	54.4
65+	97	5.0
<b>Gender</b>		
Males	1,535	78.5
Females	418	21.5
<b>Race/Ethnicity</b>		
White	1,427	73.0
Black	413	21.1
Hispanic	57	2.9
Asian, Native Hawaiian/Pacific Islander	10	0.5
American Indian/Alaskan Native	<5	0.2
Multiple Race	44	2.3
<b>Exposure Category</b>		
Male-to-male sex (MSM)	1,059	54.2
Injection drug use (IDU)	239	12.2
MSM/IDU	84	4.3
Heterosexual contact	340	17.4
Perinatal	21	1.1
Other†/Unknown	211	10.8
<b>Total People Living with HIV/AIDS*</b>	<b>1,954</b>	<b>100</b>
<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, 2014. 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>* The total of 1,954 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>		

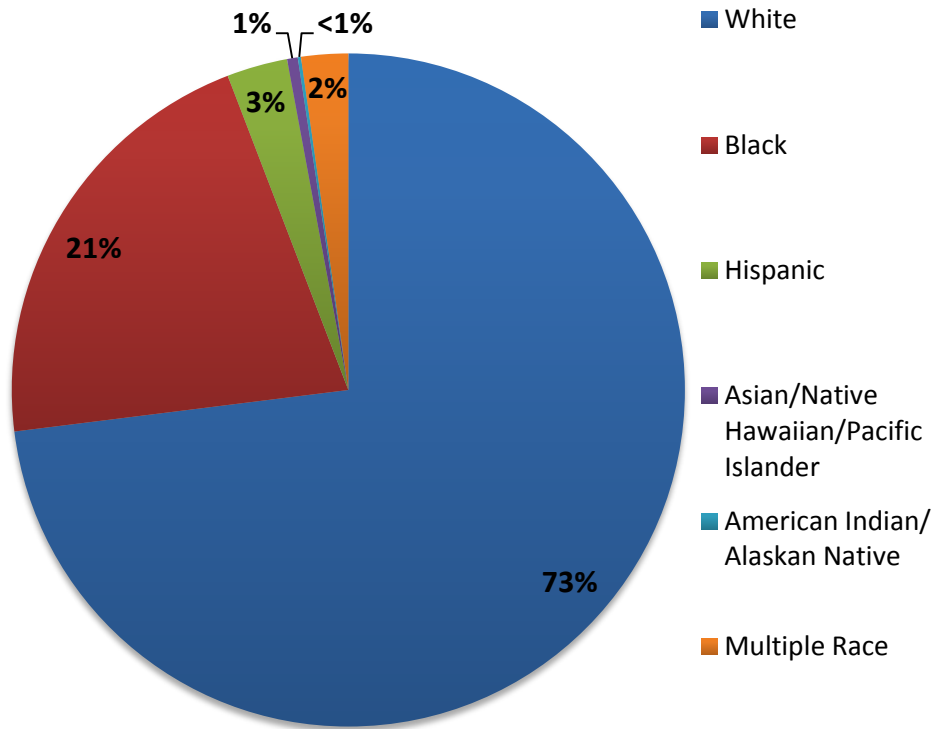
Percentage of People Living with HIV/AIDS by Current Age Group in West Virginia as of 2014



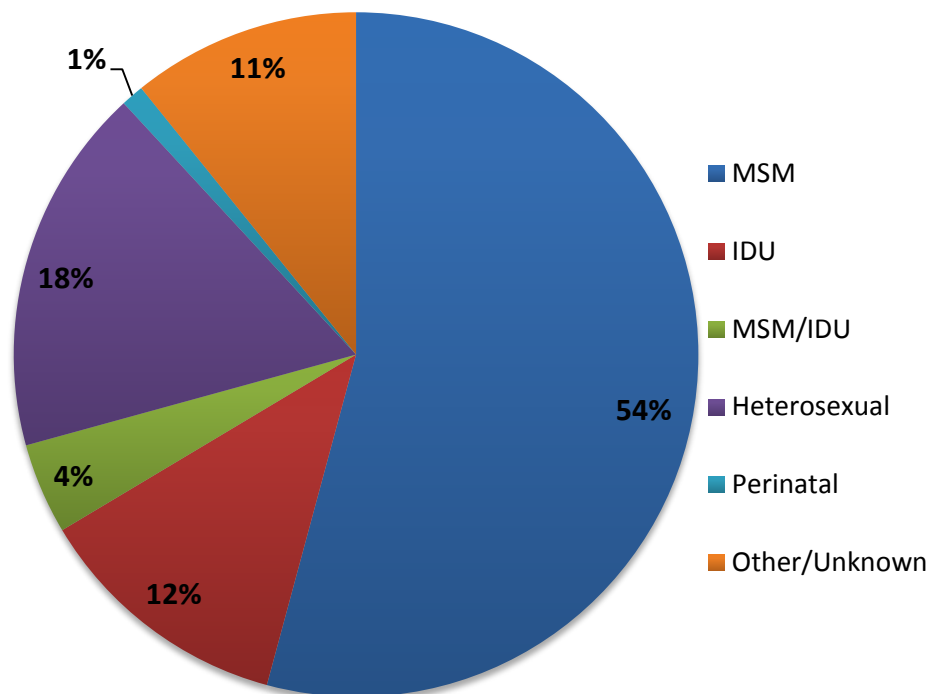
Percentage of People Living with HIV/AIDS by Gender in West Virginia as of 2014



Percentage of People Living with HIV/AIDS by Race in West Virginia as of 2014

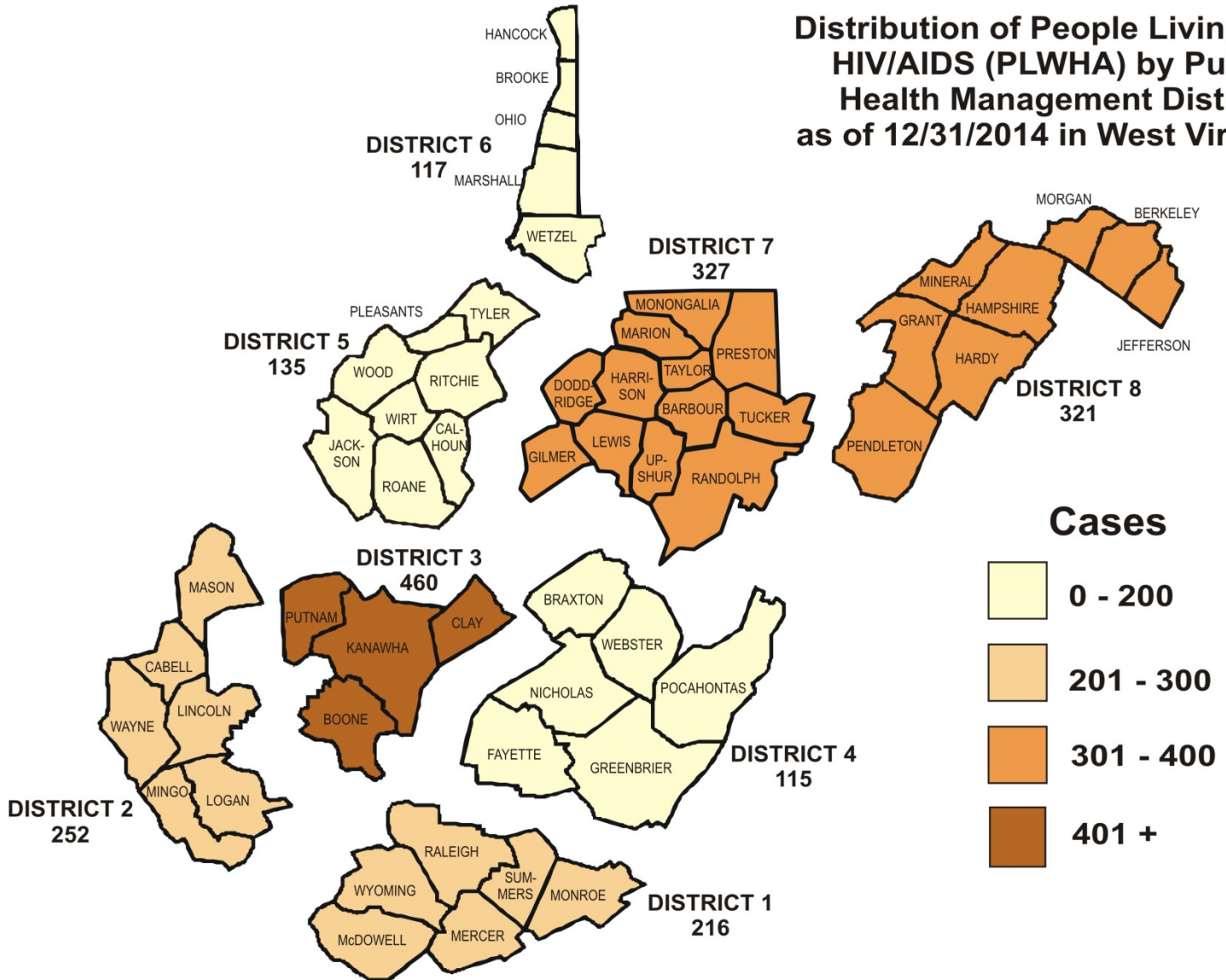


Percentage of People Living with HIV/AIDS by Exposure Category in West Virginia as of 2014



## 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: 1,954**  
\*Excludes federal prisoners. There are 11 cases with unknown district of residence.

Number of PLWHA by Public Health District in West Virginia as of December 31, 2014									
Characteristic	West Virginia Public Health District								Total*
	1	2	3	4	5	6	7	8	
<b>Current Age</b>									
<13	<5	<5	<5	<5	<5	<5	<5	<5	5
13-24	11	6	21	10	5	<5	13	7	75
25-44	93	103	172	39	47	34	121	103	715
45-64	100	132	242	61	77	76	177	190	1,062
65+	11	11	23	5	5	6	16	20	97
<b>Gender</b>									
Males	159	195	372	86	115	94	270	240	1,535
Females	57	57	87	29	20	23	57	81	418
<b>Race/Ethnicity</b>									
White	160	206	323	80	118	97	254	183	1,427
Black	44	31	111	26	12	16	50	119	413
Hispanic	2	7	11	<5	5	<5	15	10	57
Asian, Native Hawaiian or Pacific Islander	<5	<5	<5	<5	<5	<5	<5	<5	10
American Indian or Alaskan Native	<5	<5	<5	<5	<5	<5	<5	<5	<5
Multiple Race	8	8	14	5	<5	<5	<5	5	44
<b>Exposure Category</b>									
Male-to-male sex (MSM)	108	134	285	62	84	66	183	136	1,059
Injection drug use (IDU)	30	33	38	18	11	13	37	57	239
MSM/IDU	13	14	14	7	<5	<5	18	10	84
Heterosexual contact	44	43	67	19	23	23	48	68	340
Perinatal	<5	<5	5	<5	<5	<5	5	<5	21
Other†/Unknown	17	28	51	7	11	11	36	47	211
<b>Total</b>	<b>216</b>	<b>252</b>	<b>460</b>	<b>115</b>	<b>135</b>	<b>117</b>	<b>327</b>	<b>321</b>	<b>1,954</b>
<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, 2014. 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.</p> <p>*The total of 1,954 PLWHA includes 11 cases with unknown district of current residence and one case with unknown gender.</p> <p>†"Other" risk category includes hemophilia, blood transfusion, and risk not reported or not identified.</p>									

## 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, 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