West Virginia
HIV/AIDS Surveillance Report

2014 May Update

West Virginia HIV/AIDS Program

Bureau for Public Health
Office of Epidemiology & Prevention Services
Division of STD, HIV, & Hepatitis
350 Capitol Street, Room 125
Charleston, WV 25301

Earl Ray Tomblin, Governor
Karen L. Bowling, Cabinet Secretary

West Virginia Bureau for Public Health
Department of Health & Human Resources
Your Health
Your Safety
Our Purpose

West Virginia
HIV/AIDS Surveillance Report
May 2014

Earl Ray Tomblin
Governor

Karen L. Bowling
Cabinet Secretary, Department of Health and Human Resources

Letitia Tierney, MD, JD
Commissioner and State Health Officer,
Bureau for Public Health

Loretta Haddy, PhD, MA, MS
State Epidemiologist and
Director, Office of Epidemiology and Prevention Services,
Bureau for Public Health

West Virginia Department of Health and Human Resources

Division of STD, HIV, and Hepatitis

Administrative and Staff Acknowledgements

ADMINISTRATION

Loretta Haddy, PhD, MA, MS	State Epidemiologist and Director, Office of Epidemiology & Prevention Services
Susan Hall, MA	Director, Division of STD, HIV, & Hepatitis
Kenneth Gould	Assistant Director, Division of STD, HIV, & Hepatitis

HIV/AIDS SURVEILLANCE STAFF

Vicki Hogan, MPH	HIV Surveillance Coordinator
William Hoffman, MPH	Epidemiologist
David Wills	HIV Data Manager

HIV/AIDS PREVENTION STAFF

Nils Haynes	HIV Prevention Specialist
Chuck Anziulewicz	HIV Prevention Specialist
Chuck Hall	HIV Prevention Specialist
Jodie Layden, MS	HIV Prevention Specialist
Betty Lou Slawter	HIV/AIDS Secretary
Kimberly Moore	HIV/AIDS Secretary

STD PREVENTION/SURVEILLANCE STAFF

Dianna Ryan, MA	Disease Intervention Specialist
John Armstrong	Disease Intervention Specialist
Bridget Connard	Disease Intervention Specialist
John Gundling, MPH	Disease Intervention Specialist
Chuck McConnell	Disease Intervention Specialist
Allan Zipf, MS	Disease Intervention Specialist
Matt Eakle	Disease Intervention Specialist
Kenya Burton	Disease Intervention Specialist
Debora Blankinship	STD Program Data Manager
Sandra Graham, RN	Adult Viral Hepatitis Prevention Coordinator

REPORT PREPARED BY:
William C. Hoffman, MPH

EDITED BY:
Loretta Haddy, PhD, MA, MS

An electronic version of the profile is available at:
www.hiv.wv.gov

Please forward any comments or questions regarding this report to:

Loretta Haddy, PhD, MA, MS
Director
Office of Epidemiology and Prevention Services
350 Capitol Street, Room 125
Charleston, West Virginia 25301-3715
(304) 356-4077
Email: Loretta.E.Haddy@wv.gov

Susan Hall, MA
Director
Division of STD, HIV, and Hepatitis
350 Capitol Street, Room 125
Charleston, West Virginia 25301-3715
(304) 356-4073
Email: Susan.L.Hall@wv.gov

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 through 2008**	**2009**	**2010**	**2011**	**2012**	**2013**	**Cumulative through 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***

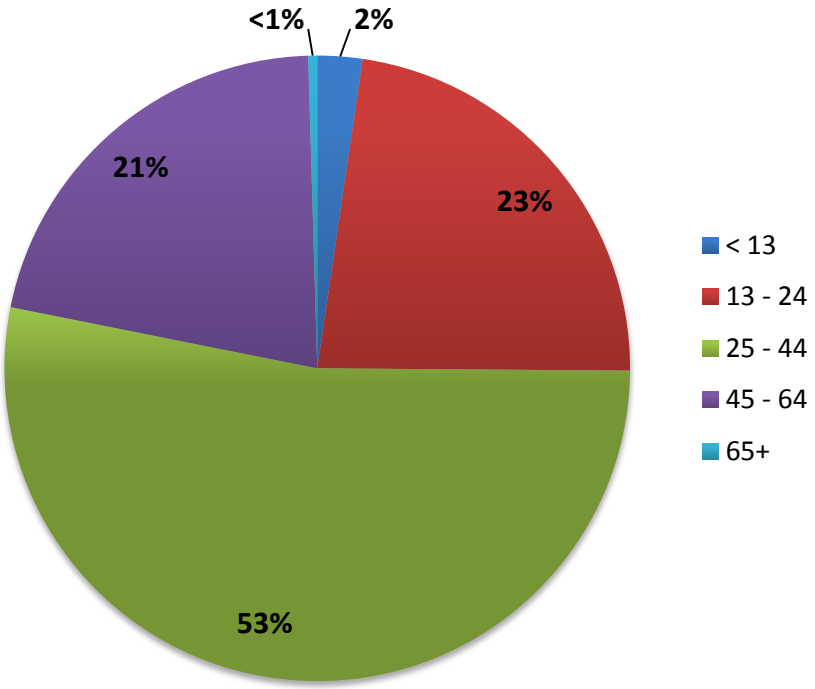
Data Source: West Virginia Bureau for Public Health (BPH), Department of Health and Human Resources (DHHR), Enhanced HIV/AIDS Reporting System (eHARS)

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.

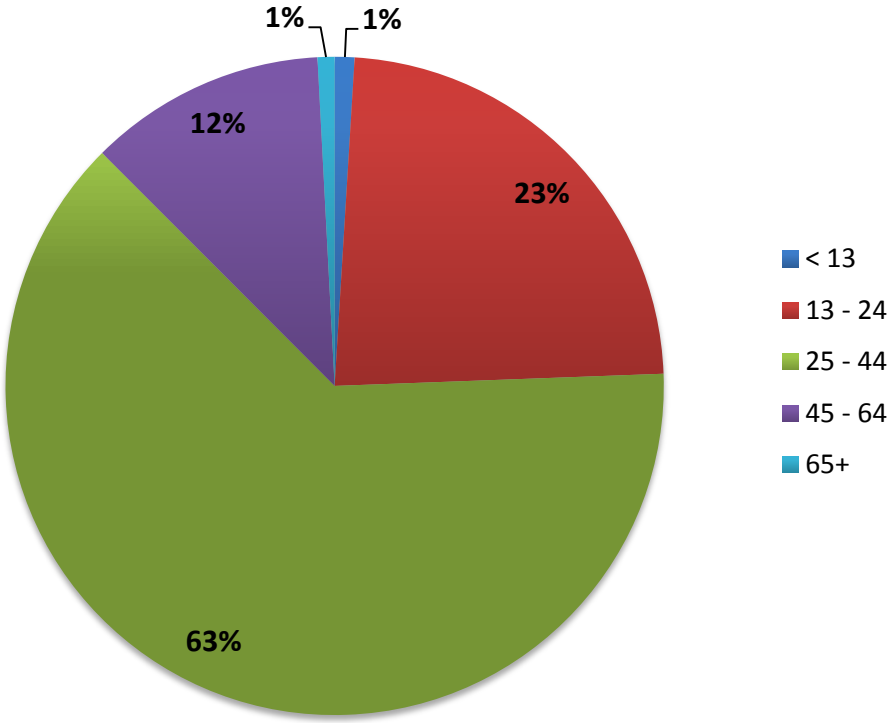
*Cumulative number of HIV-Not AIDS cases includes one case with unknown diagnosis year.

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

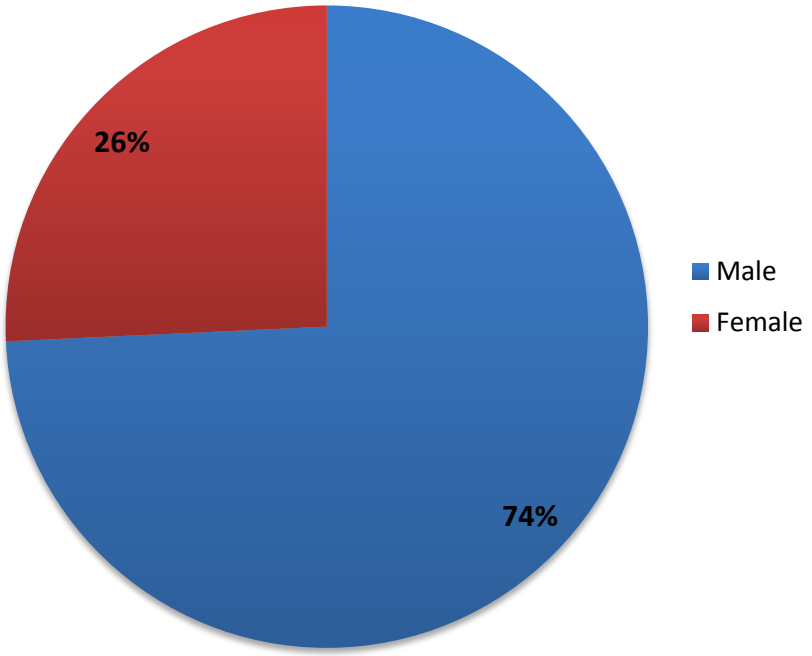
Percentage of HIV Cases by Age at Diagnosis in West Virginia from 2009-2013



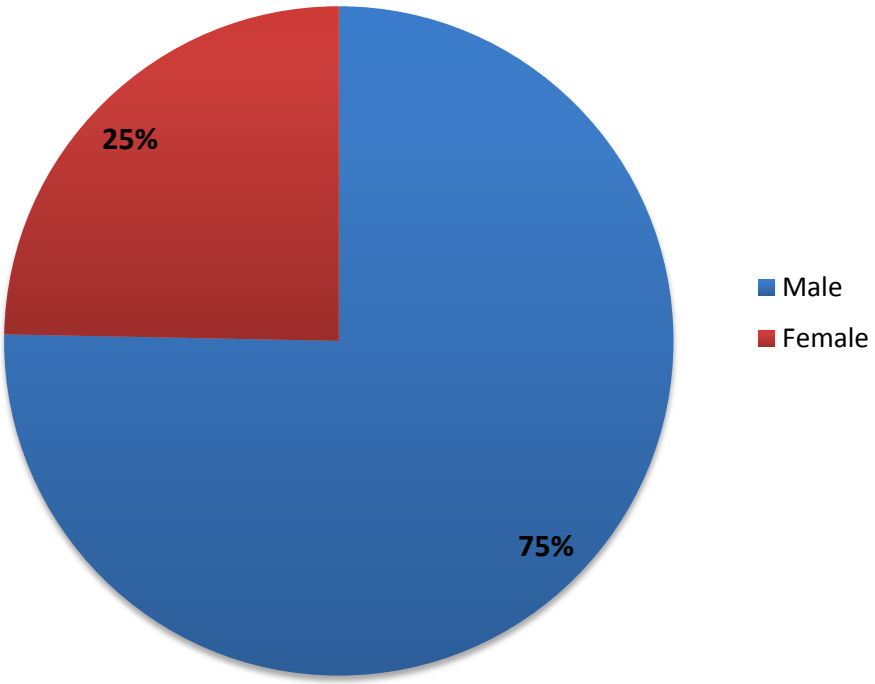
Percentage of HIV Cases by Age at Diagnosis in West Virginia from 1989-2008



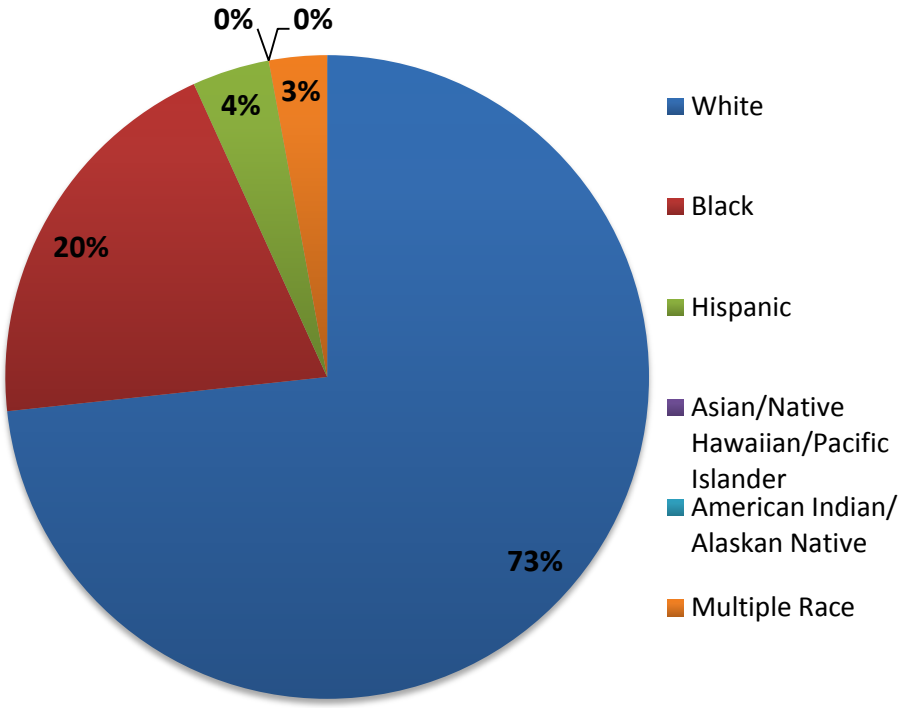
Percentage of HIV Cases by Gender in West Virginia from 2009-2013



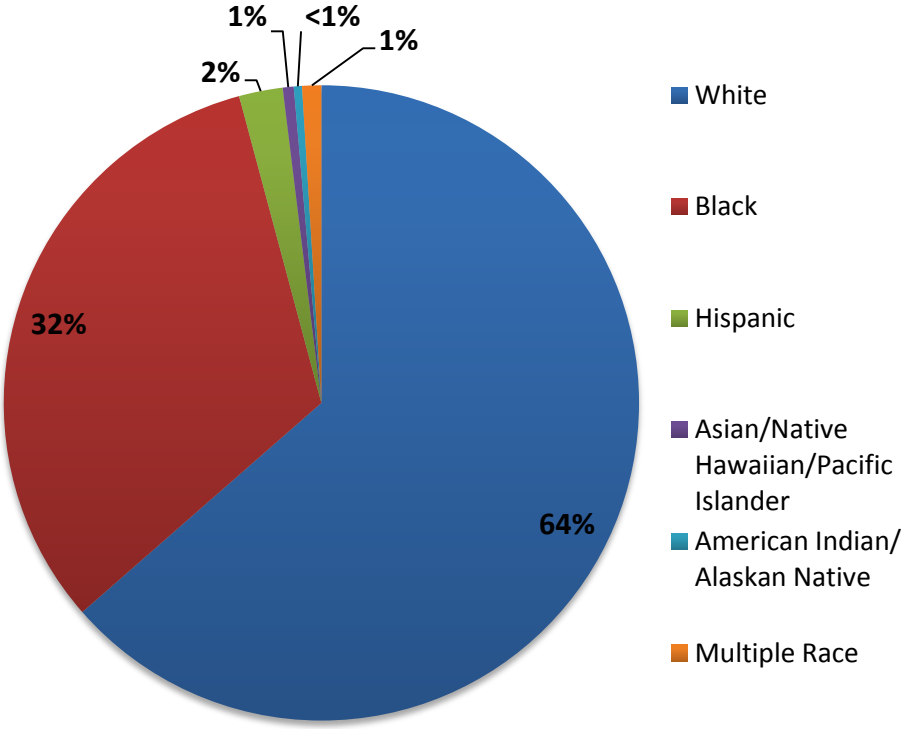
Percentage of HIV Cases by Gender in West Virginia from 1989-2008



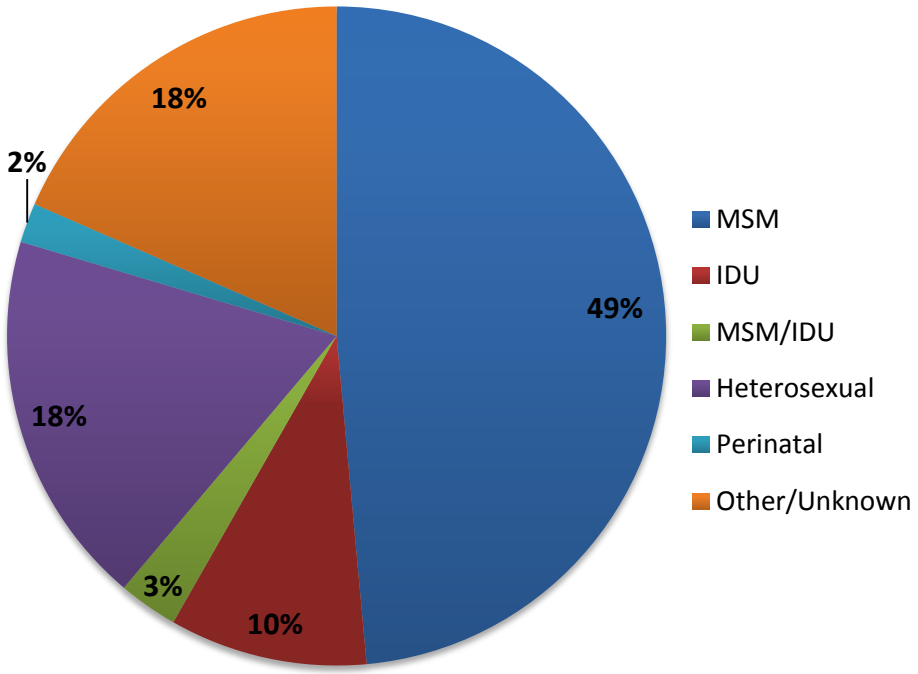
Percentage of HIV Cases by Race in West Virginia from 2009-2013



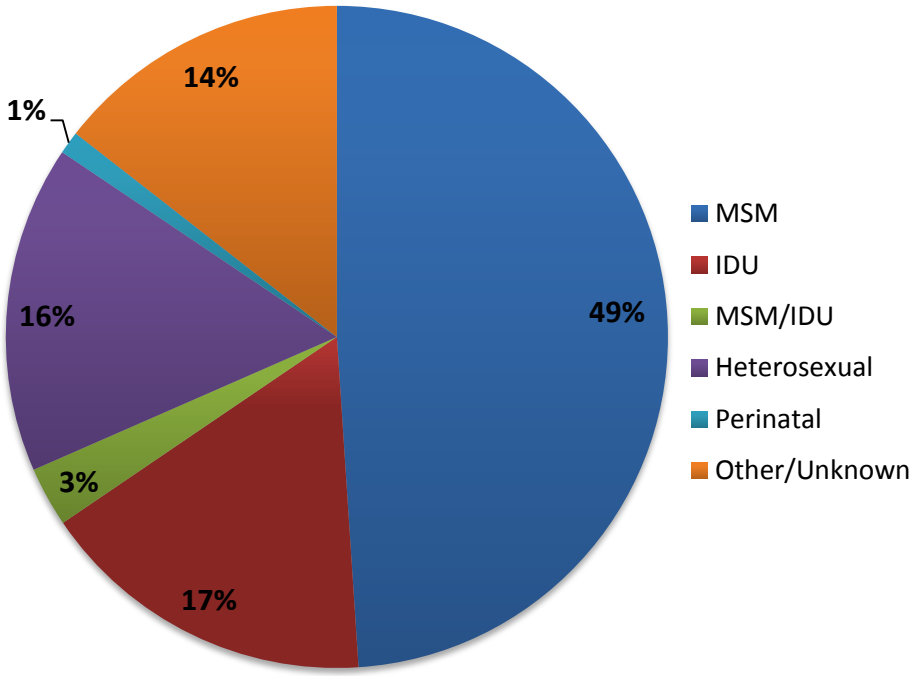
Percentage of HIV Cases by Race in West Virginia from 1989-2008



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



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



HIV/AIDS

Number of HIV/AIDS Cases 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	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**

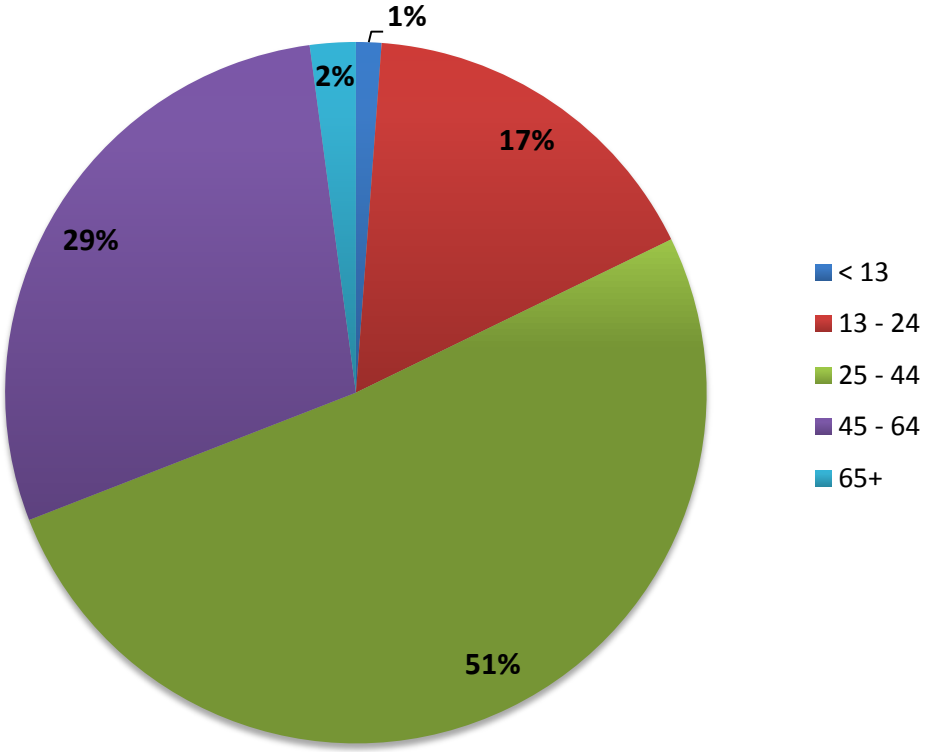
Data Source: West Virginia Bureau for Public Health (BPH), Department of Health and Human Resources (DHHR), Enhanced HIV/AIDS Reporting System (eHARS)

Notes: Data reflects HIV 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.

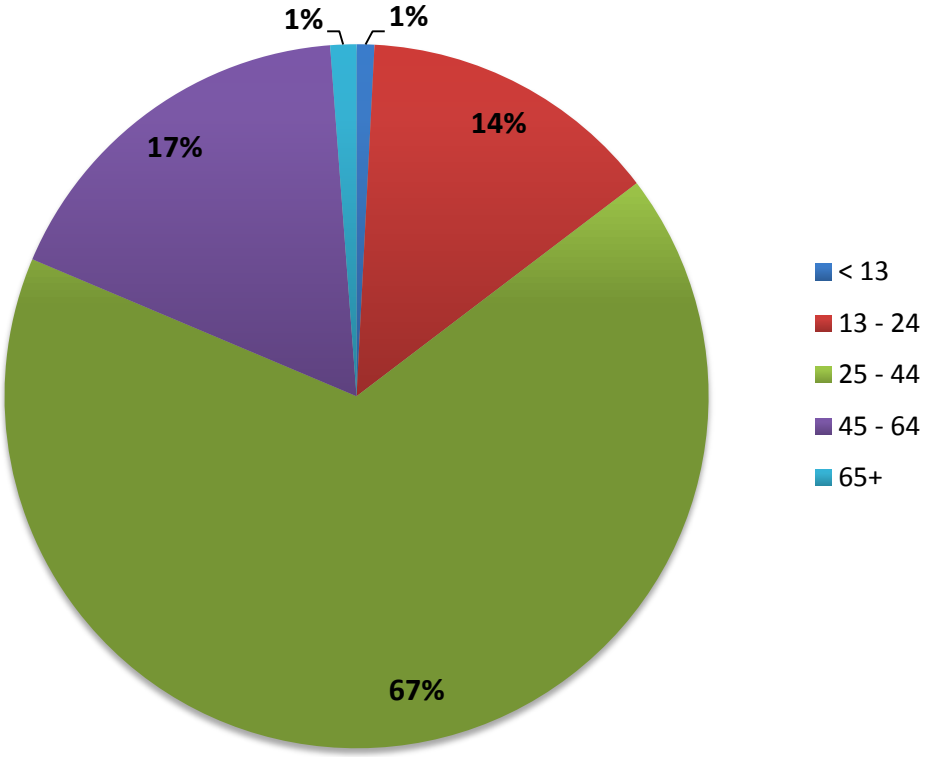
*Cumulative number of HIV/AIDS cases includes one case with unknown diagnosis year.

†"Other" risk category includes hemophilia, blood transfusion, and risk not reported or not identified. Required HIV reporting began January, 1989.

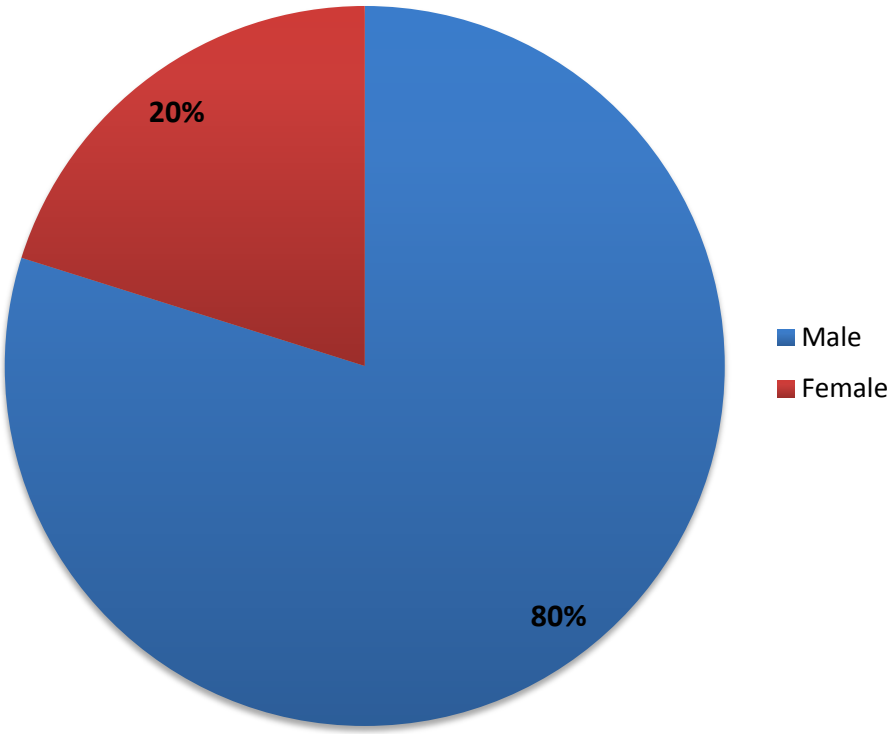
Percentage of HIV/AIDS Cases by Age at Diagnosis in West Virginia from 2009-2013



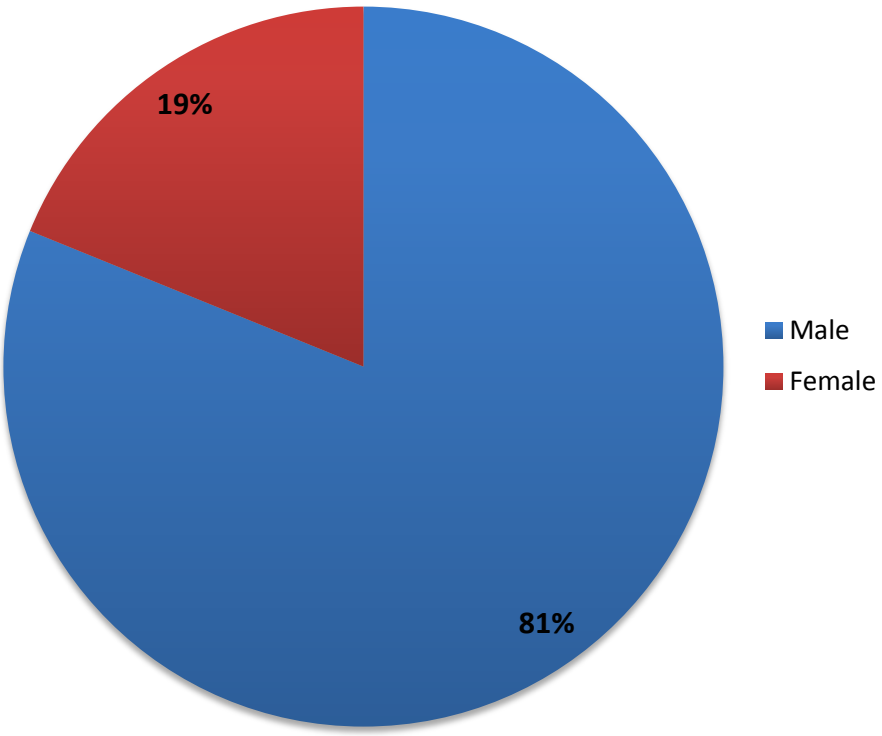
Percentage of HIV/AIDS Cases by Age at Diagnosis in West Virginia from 1984-2008



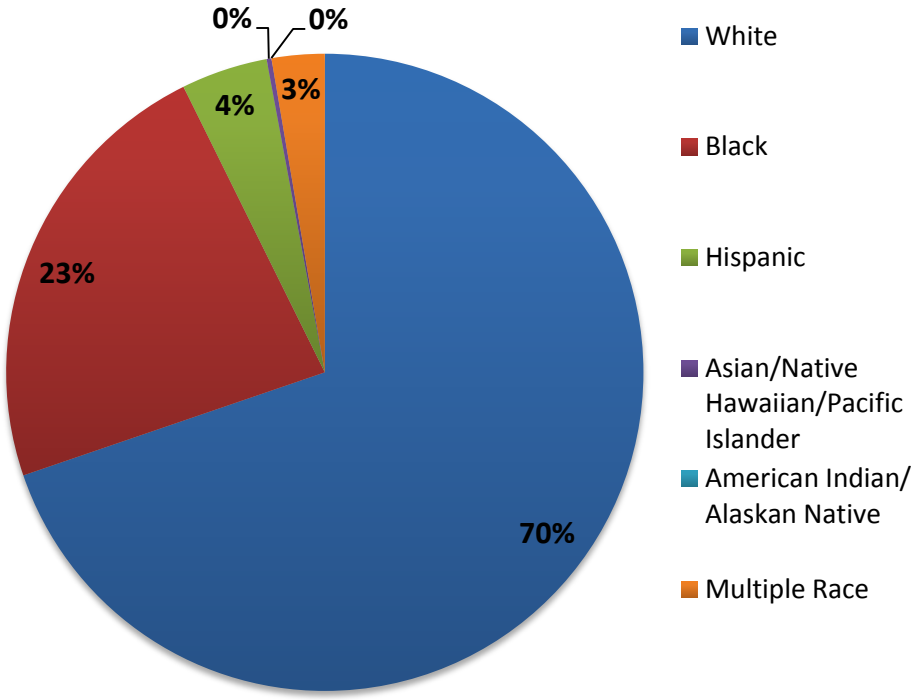
Percentage of HIV/AIDS Cases by Gender in West Virginia from 2009-2013



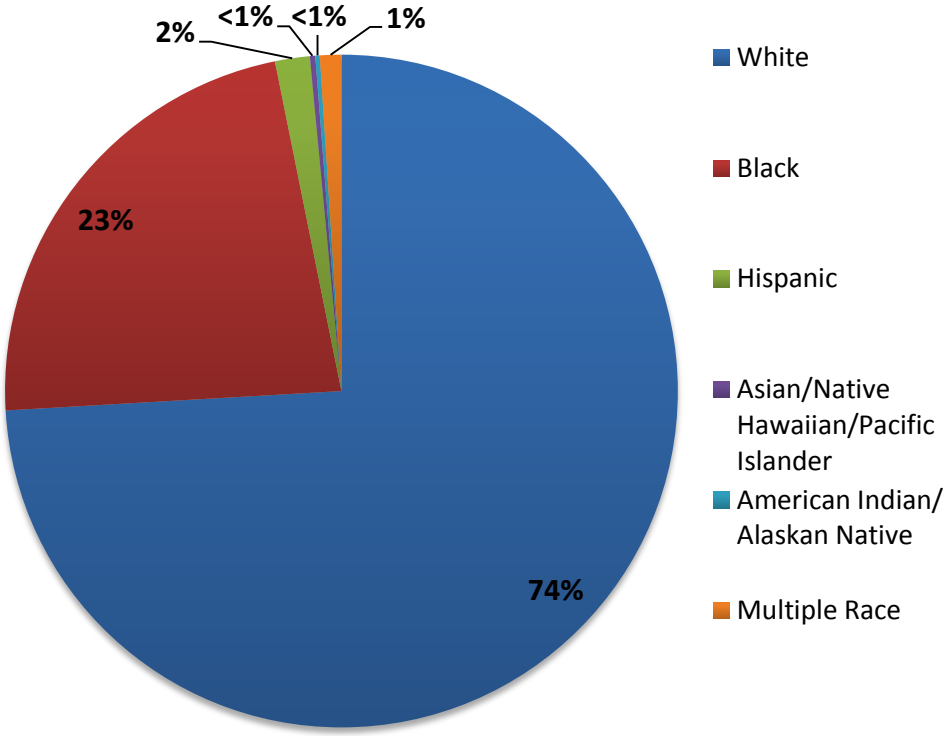
Percentage of HIV/AIDS Cases by Gender in West Virginia from 1984-2008



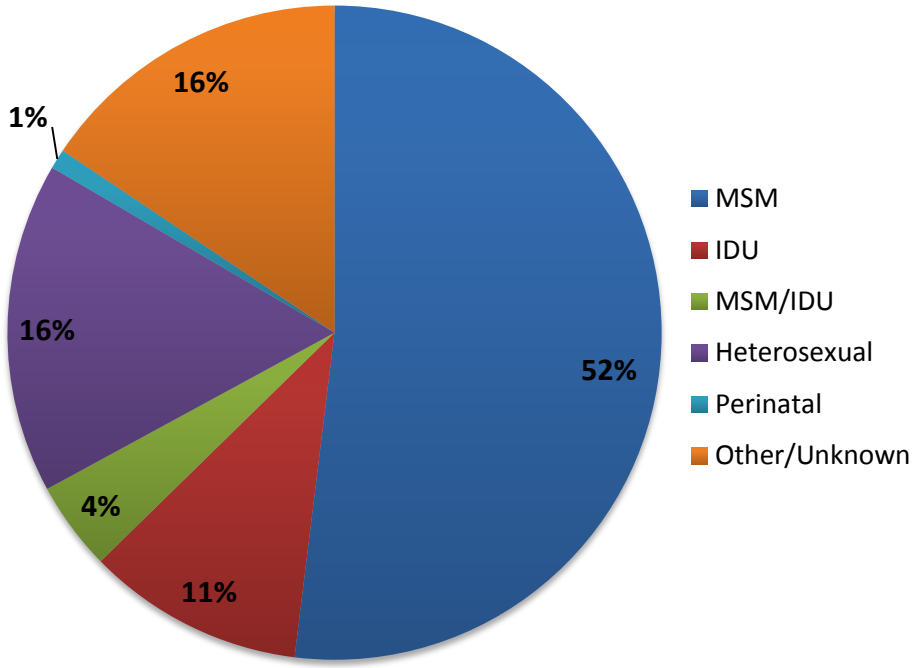
Percentage of HIV/AIDS Cases by Race in West Virginia from 2009-2013



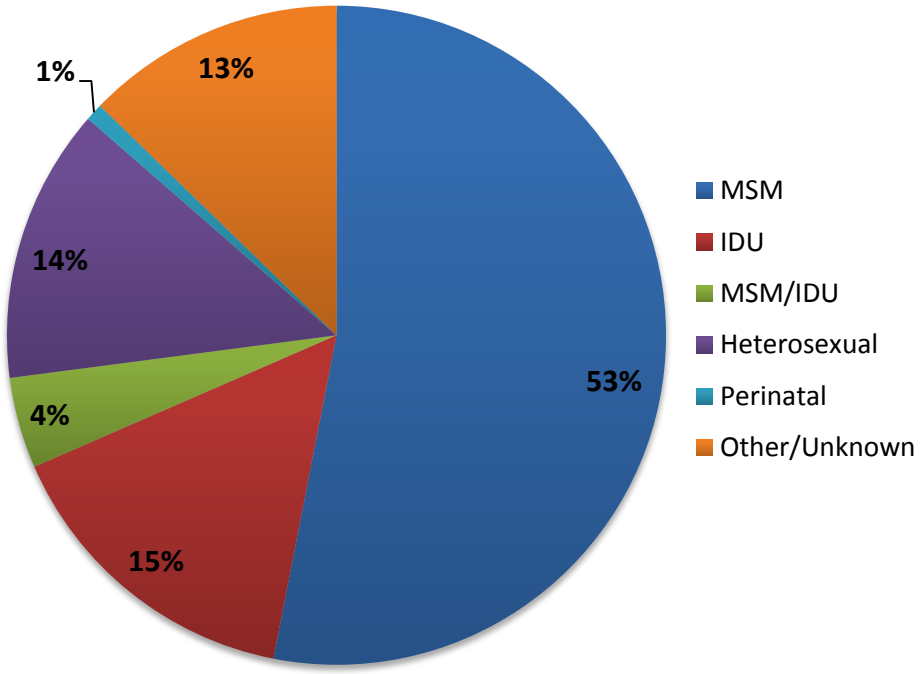
Percentage of HIV/AIDS Cases by Race in West Virginia from 1984-2008

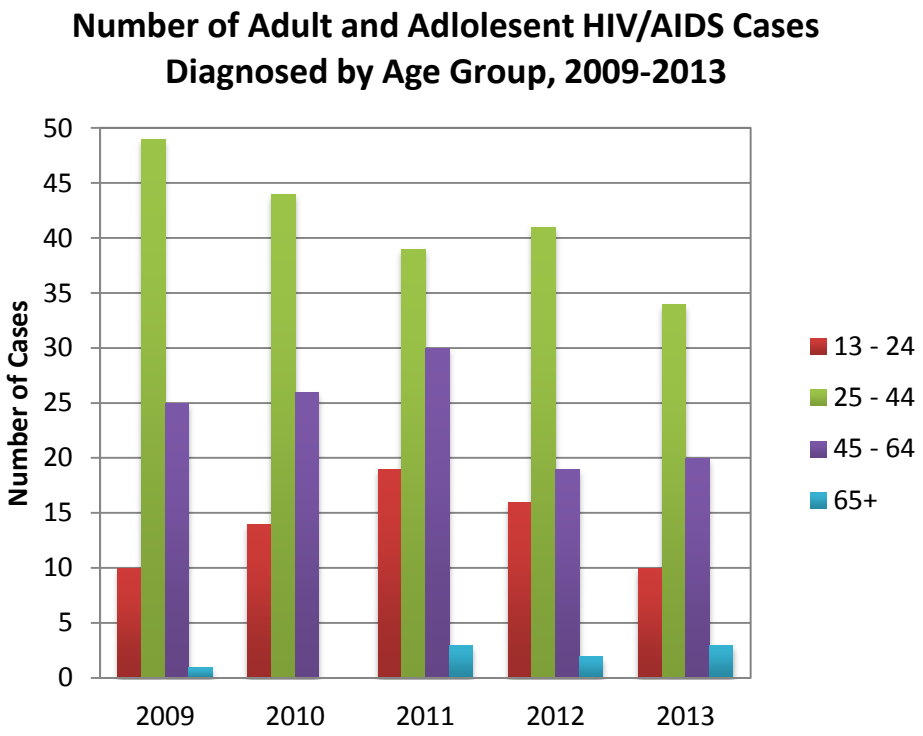


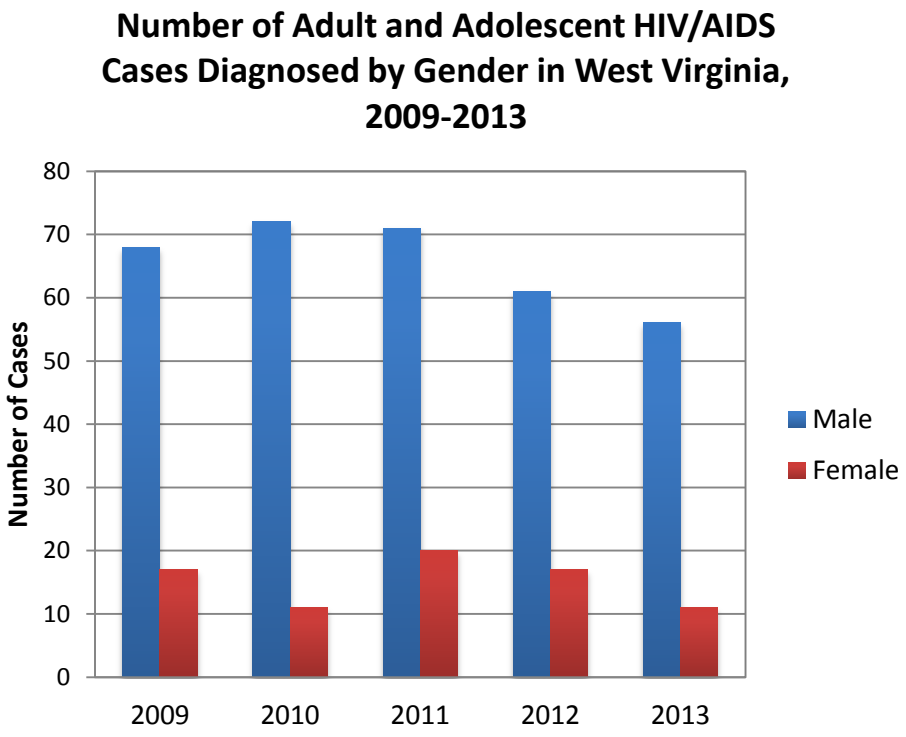
Percentage of HIV/AIDS Cases by Exposure Category in West Virginia from 2009-2013



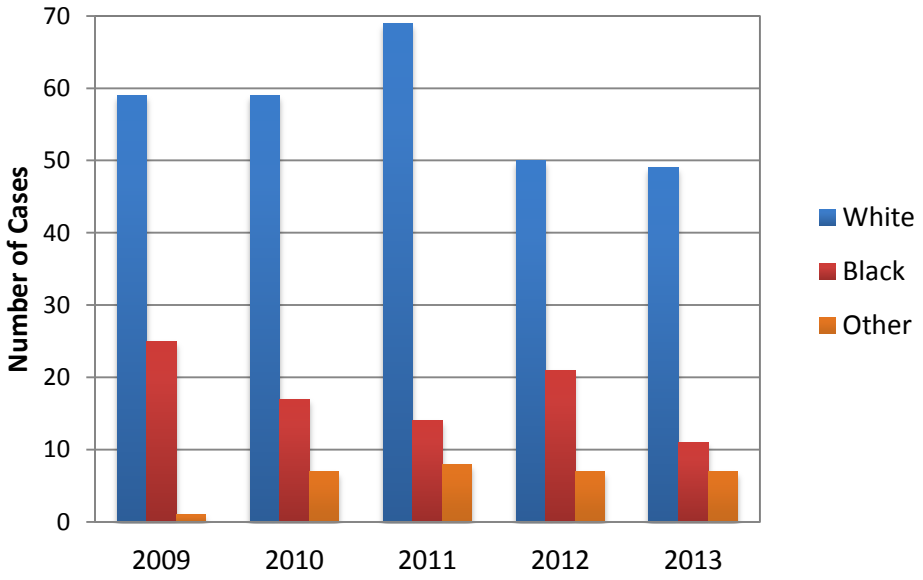
Percentage of HIV/AIDS Cases by Exposure Category in West Virginia from 1984-2008



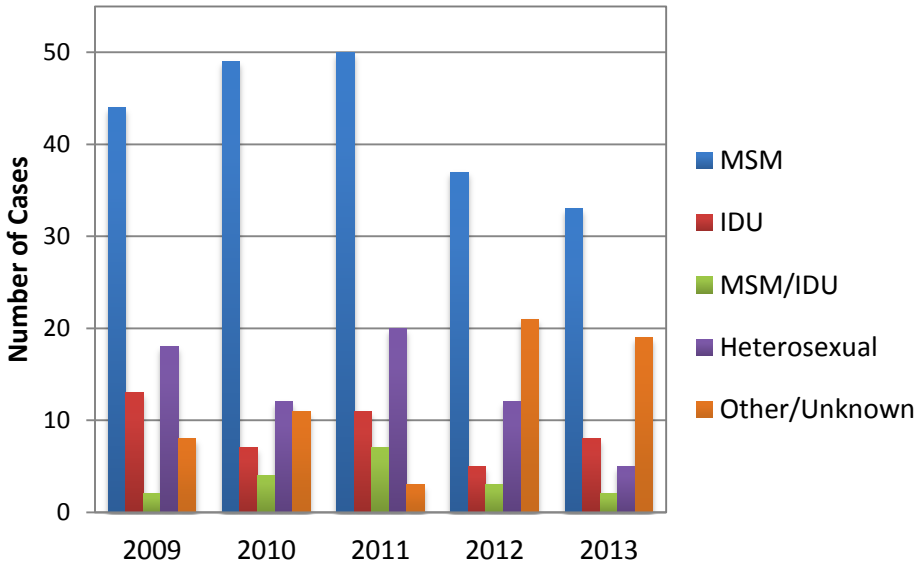

Number of Adult and Adlolesent HIV/AIDS Cases Diagnosed by Age Group, 2009-2013
Number of Cases
50
45
40
35
30
25
20
15
10
5
0
2009
2010
2011
2012
2013
13 - 24
25 - 44
45 - 64
65+


Number of Adult and Adolescent HIV/AIDS Cases Diagnosed by Gender in West Virginia, 2009-2013
Number of Cases
80
70
60
50
40
30
20
10
0
2009
2010
2011
2012
2013
Male
Female

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**

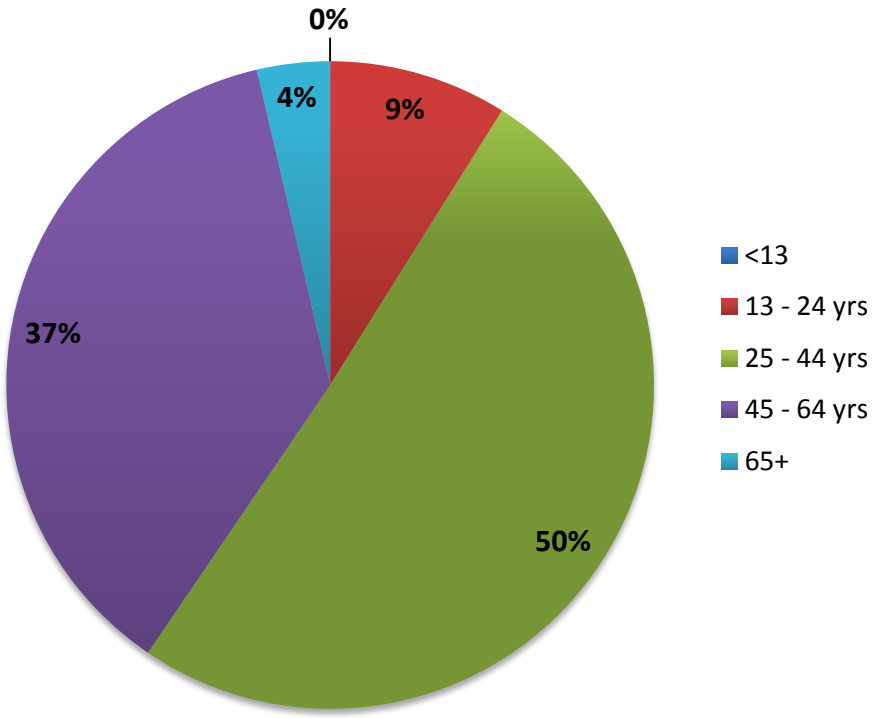
Data Source: West Virginia Bureau for Public Health (BPH), Department of Health and Human Resources (DHHR), Enhanced HIV/AIDS Reporting System (eHARS)
Notes: Data reflects the number of deaths among cases of HIV/AIDS reported to the BPH as of December 31, 2013. No adjustments were made for reporting 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

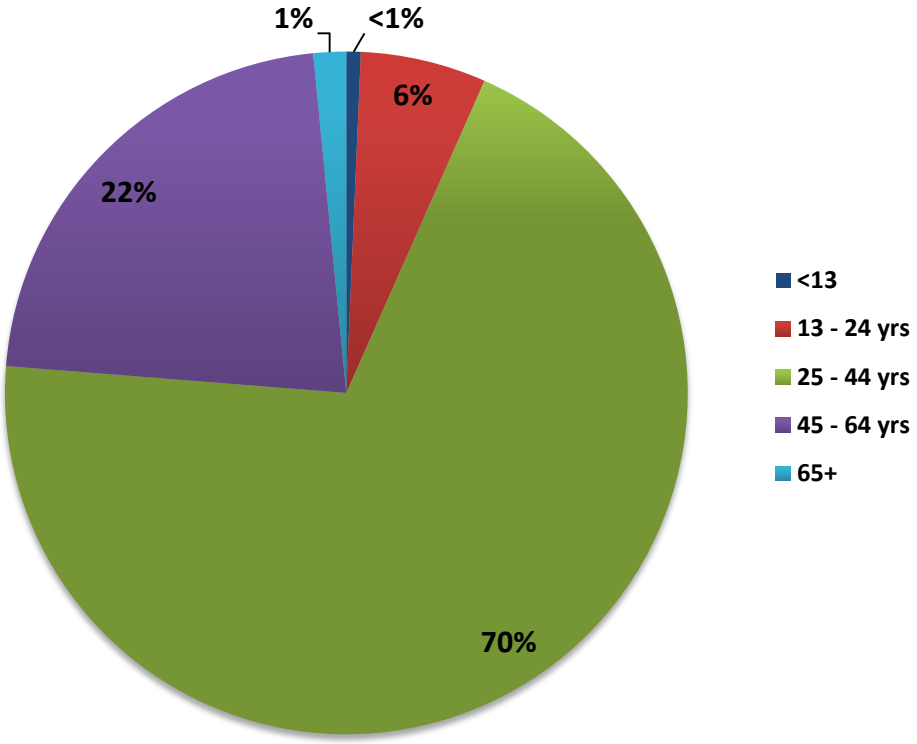
Number of AIDS Cases Diagnosed by Select Characteristics in West Virginia from 4/1984-12/2013							
Characteristic	**Cumulative through 2008**	**2009**	**2010**	**2011**	**2012**	**2013**	**Cumulative through 2013**
Age at Diagnosis							
<13	11	<5	<5	<5	<5	<5	**11**
13-24	96	<5	<5	5	6	<5	**118**
25-44	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.

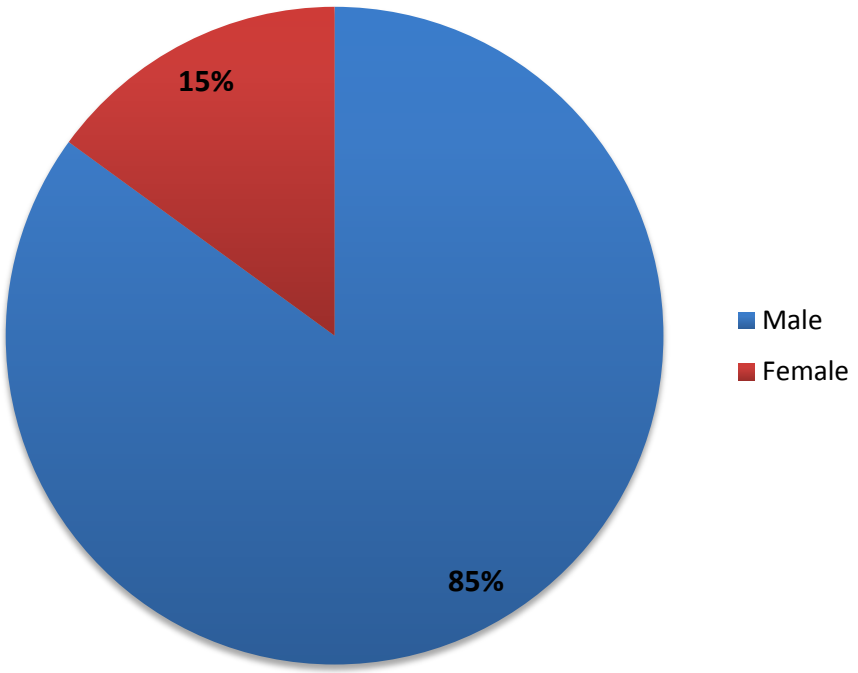
Percentage of AIDS Cases by Age at Diagnosis in West Virginia from 2009-2013



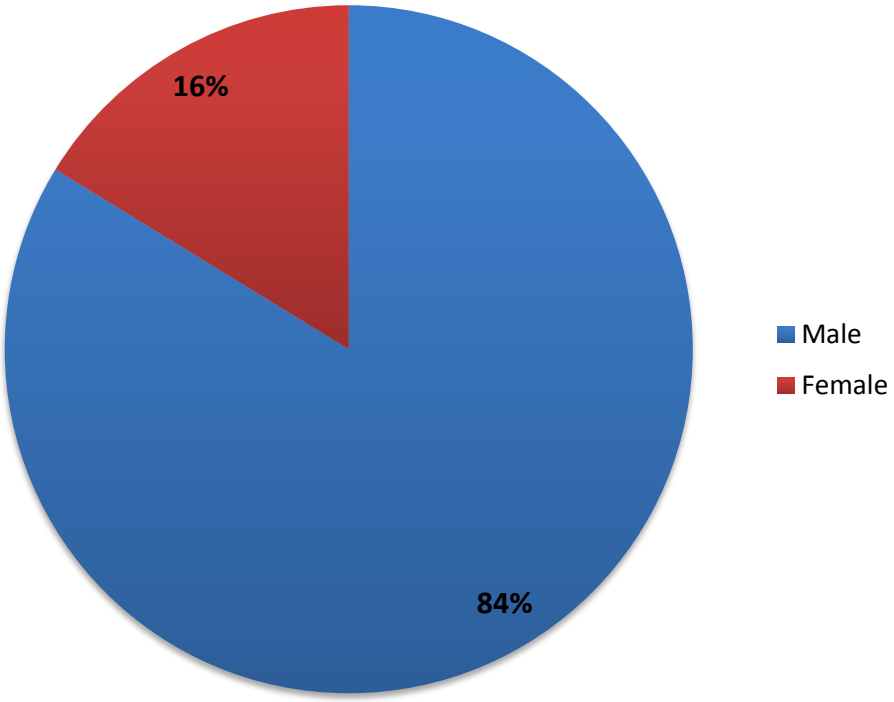
Percentage of AIDS Cases by Age at Diagnosis in West Virginia from 1984-2008



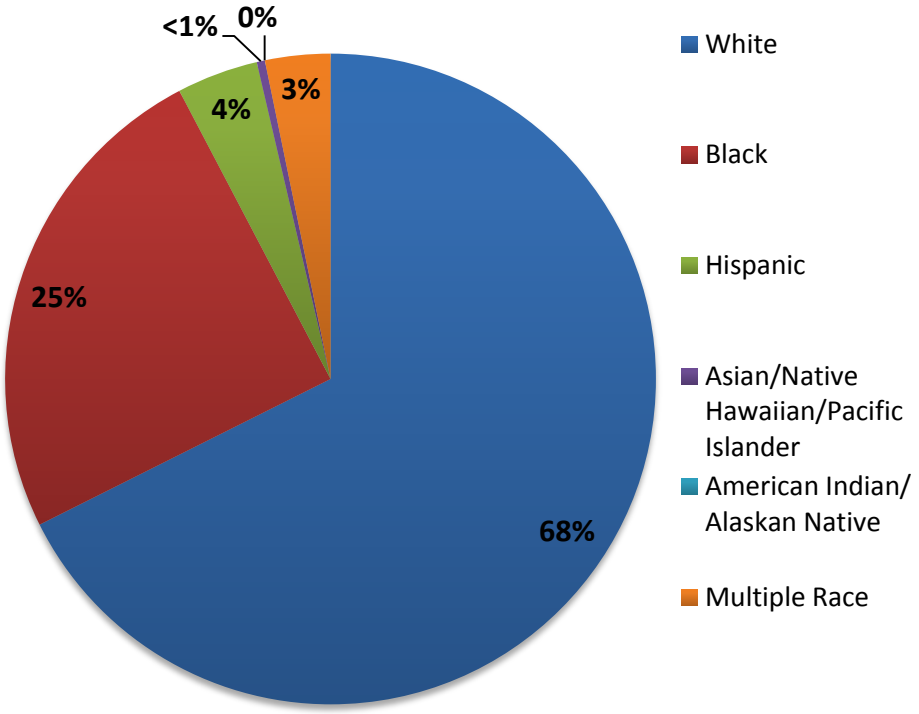
Percentage of AIDS Cases by Gender in West Virginia from 2009-2013



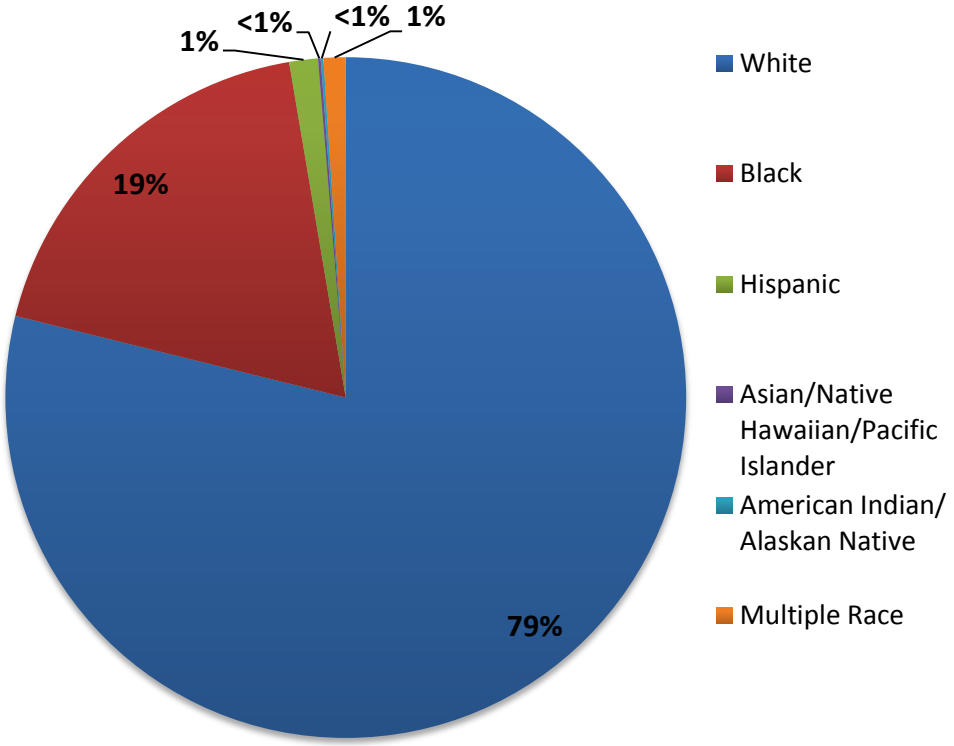
Percentage of AIDS Cases by Gender in West Virginia from 1984-2008



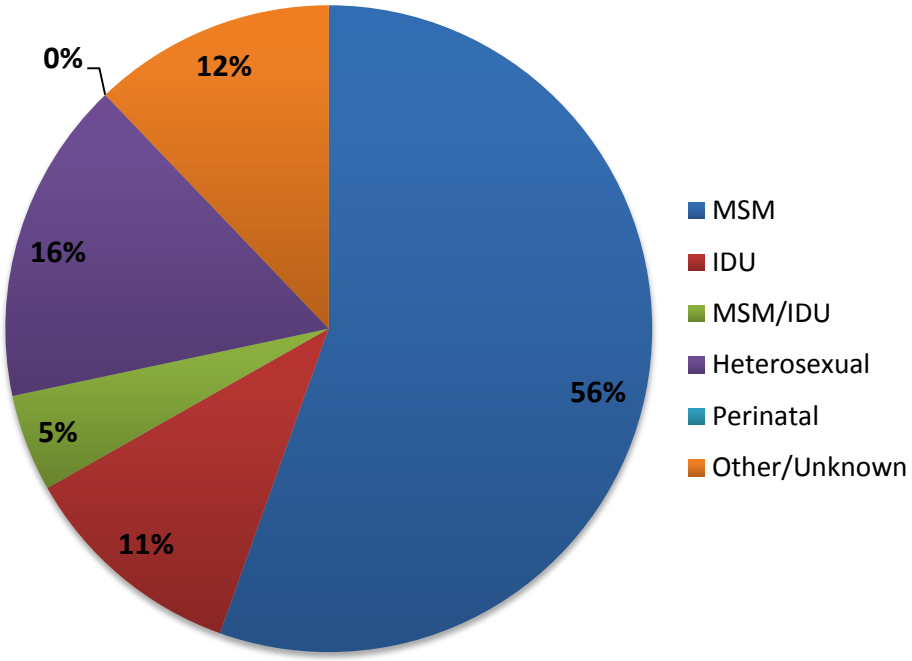
Percentage of AIDS Cases by Race in West Virginia from 2009-2013



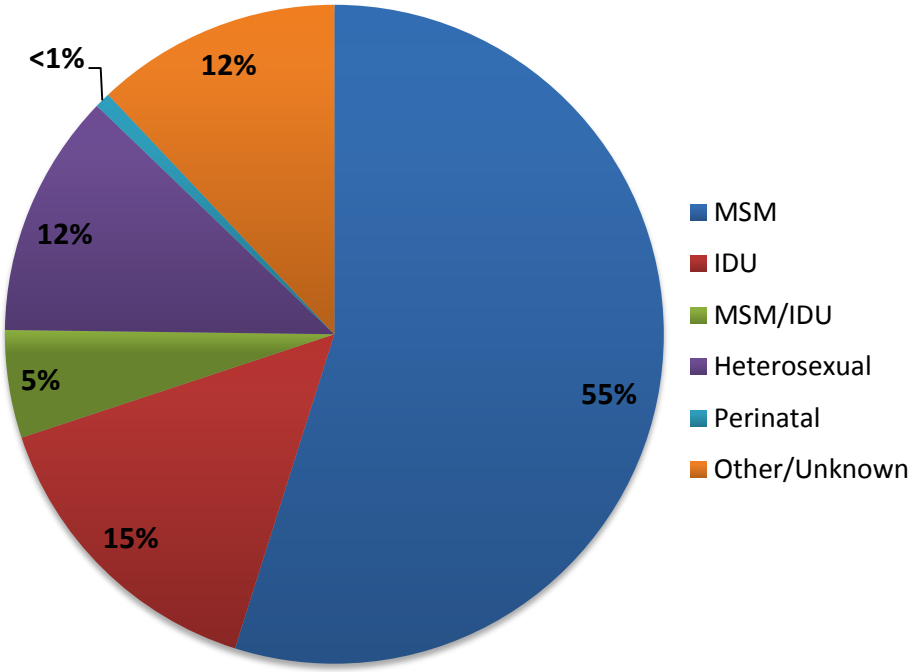
Percentage of AIDS Cases by Race in West Virginia from 1984-2008



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

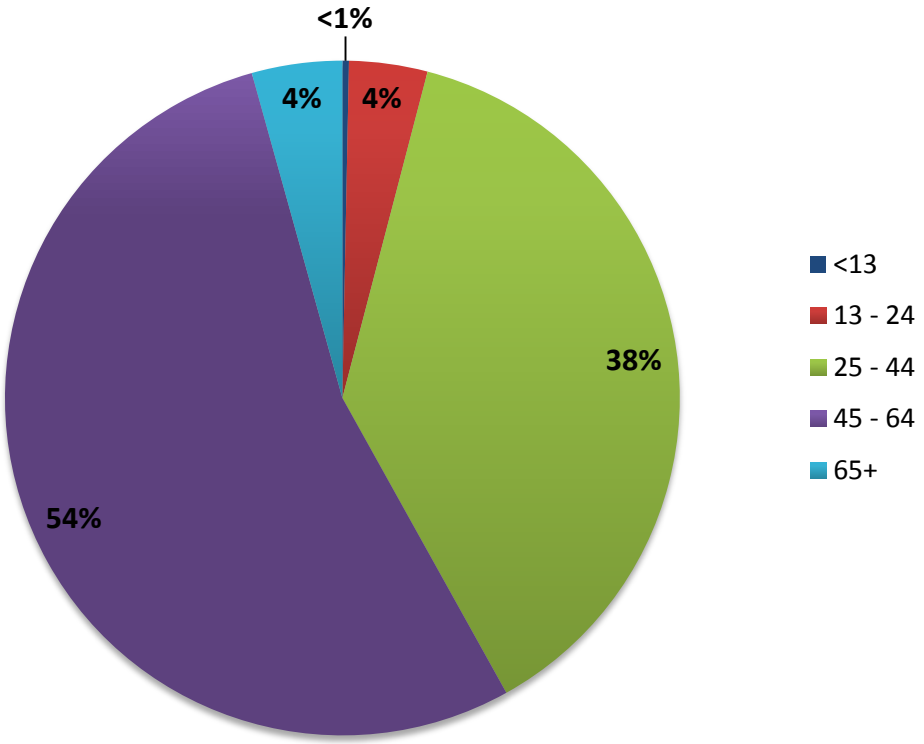


People Living with HIV/AIDS (PLWHA) in West Virginia

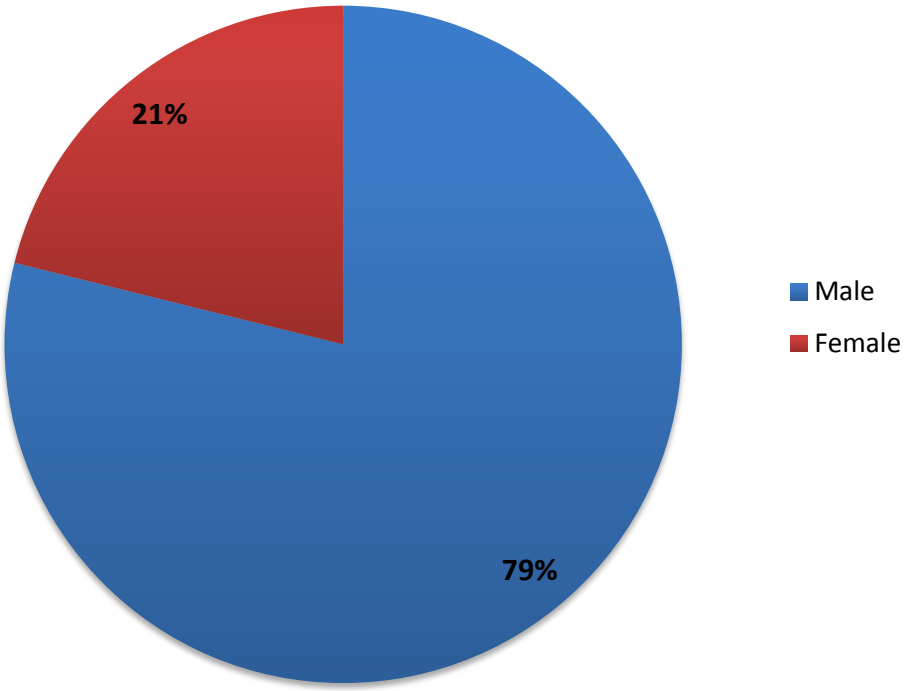
Number and Percentage of People Living with HIV/AIDS in West Virginia as of December 31, 2013		
Characteristic	**No.**	**%**
Current Age		
<13	5	0.3
13-24	71	3.8
25-44	710	37.7
45-64	1,016	53.9
65+	83	4.4
Gender		
Males	1,493	79.2
Females	393	20.8
Race/Ethnicity		
White	1,374	72.9
Black	412	21.8
Hispanic	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***

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 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.
* The total of 1,886 PLWHA includes 1 case with missing or partial demographic characteristics.
†"Other" risk category includes hemophilia, blood transfusion, and risk not reported or not identified.

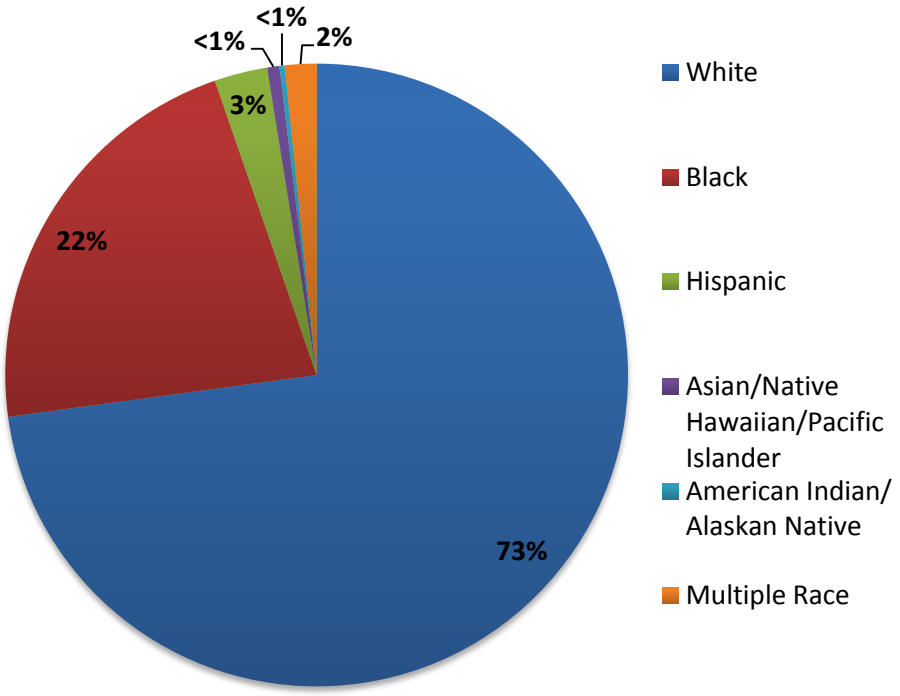
Percentage of People Living with HIV/AIDS by Current Age in West Virginia, 2013



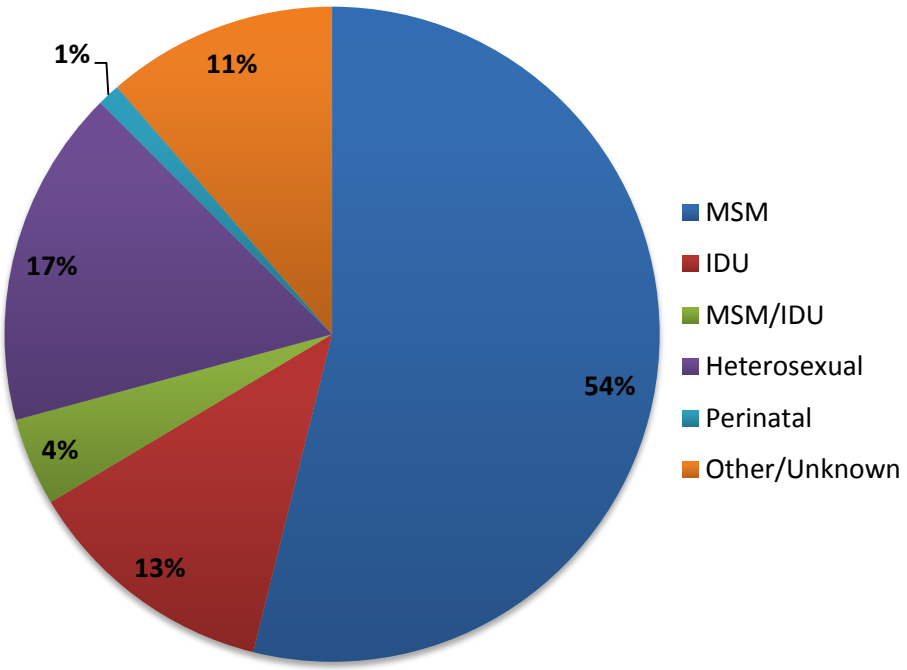
Percentage of People Living with HIV/AIDS by Gender in West Virginia, 2013



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

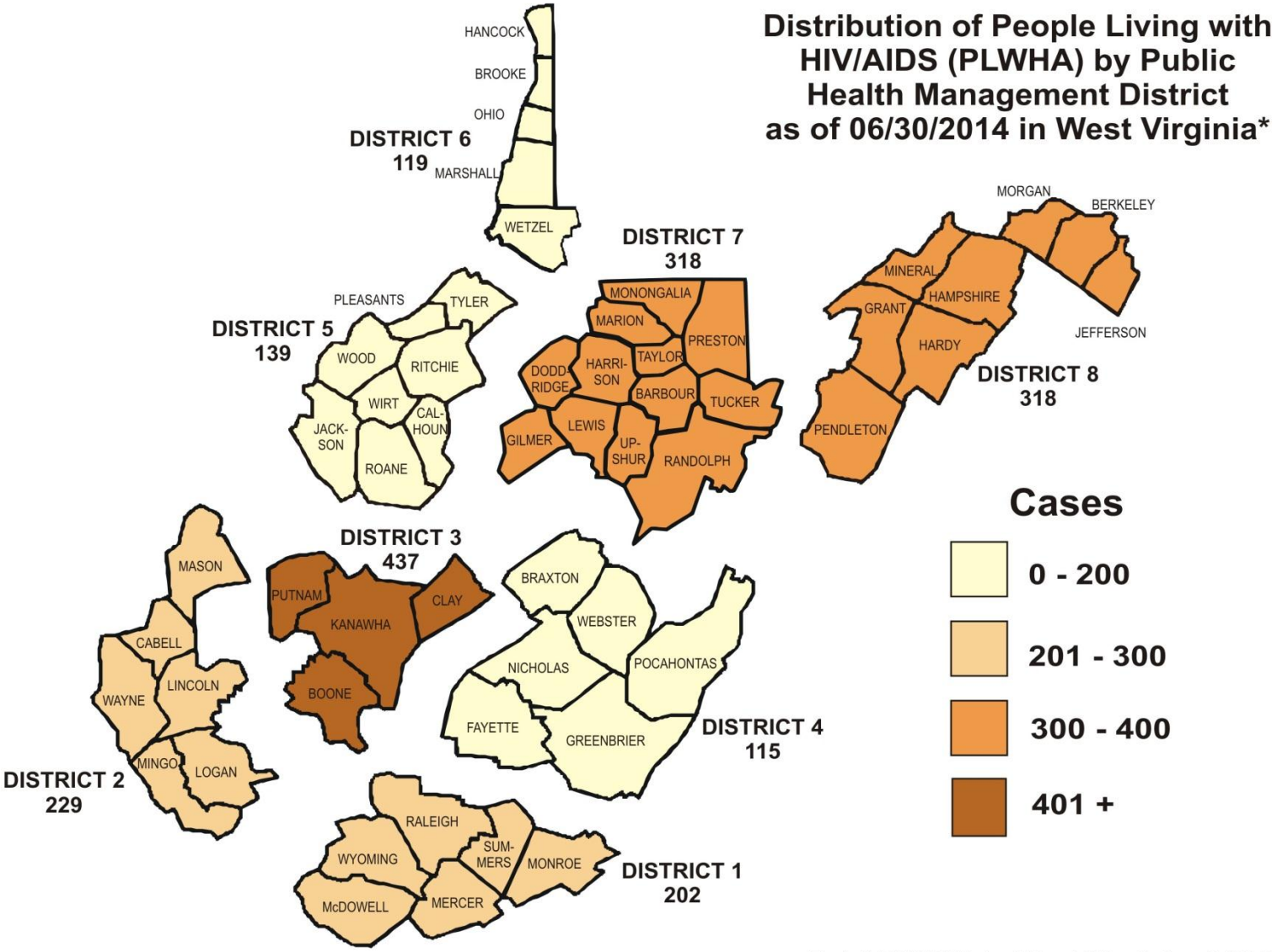


Percentage of People Living with HIV/AIDS by Exposure Category in West Virginia, 2013



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.



Number of PLWHA by Public Health District in West Virginia as of December 31, 2013									
Characteristic	**West Virginia Public Health District**								
	1	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**Total***
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