

# Washington Metro HIV/AIDS Epidemiological Profile

Fourth Quarter 2012

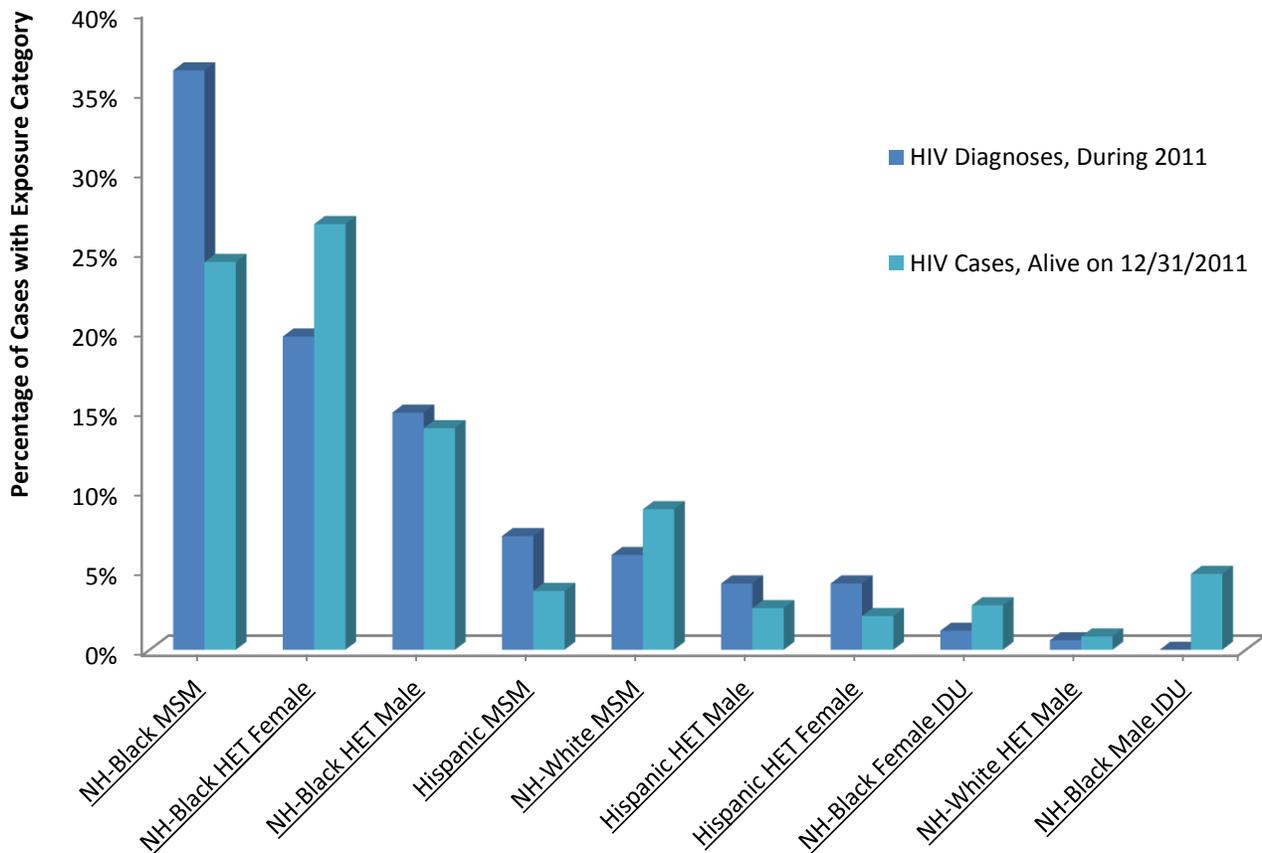
Data reported through December 31, 2012



Center for HIV Surveillance, Epidemiology and Evaluation  
Infectious Disease Bureau  
Prevention and Health Promotion Administration  
Maryland Department of Health and Mental Hygiene  
<http://phpa.dhmh.maryland.gov/oideor/chse>  
1-800-358-9001



Adult/Adolescent HIV Cases with Reported Exposures by Race/Ethnicity, Sex at Birth, and Exposure Categories, Washington, DC MSA, 2011



## **Predominant HIV Risk Groups:**

In order to reduce HIV transmissions and improve engagement in care for those infected with HIV, an understanding of the demographic and exposure categories among reported HIV cases is needed to identify the groups most likely to have HIV. In 2011, non-Hispanic (NH) Black males who have sex with males (MSM) accounted for the greatest proportion of new HIV diagnoses (36.3%) followed by NH-Black heterosexual (HET) females (19.6%) and NH-Black heterosexual males (14.9%). This is markedly different from the proportions of living HIV cases where the largest group was NH-Black heterosexual females (26.7%), followed closely by NH-Black MSM (24.3%) and NH-Black heterosexual males (13.9%). By identifying the disproportion in the demographic and exposure categories between new and existing HIV cases, resources may be better allocated for prevention, testing, and treatment services.

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## **Section I – Background Information**

### **HIV/AIDS Reporting Requirements**

The Maryland HIV/AIDS Reporting Act of 2007 went into effect on April 24, 2007. The law expanded HIV/AIDS reporting and required that HIV cases be reported by name. The following highlights the reporting requirements of Health-General Articles 18-201.1, 18-202.1, and 18-205 of the Annotated Code of Maryland, as specified in COMAR 10.18.02.

- Physicians are required to report patients in their care with diagnoses of HIV or AIDS immediately to the Local Health Department where the physician's office is located by mailing DHMH Form 1140. Reports are also accepted by phone.
- Physicians are required to report infants born to HIV positive mothers within 48 hours to the State Health Department by mailing DHMH Form 1140. Reports are also accepted by phone.
- Clinical and infection control practitioners in hospitals, nursing homes, hospice facilities, medical clinics in correctional facilities, inpatient psychiatric facilities, and inpatient drug rehabilitation facilities are required to report patients in the care of the institution with diagnoses of HIV or AIDS within 48 hours to the Local Health Department where the institution is located by mailing DHMH Form 1140. Reports are also accepted by phone. Facilities with large volumes are encouraged to contact the State Health Department to establish electronic reporting.
- Laboratory directors are required to report patients with laboratory results indicating HIV infection (e.g., positive confirmatory HIV diagnostic tests, all CD4 immunological tests, all HIV viral load tests, and all HIV genotype and phenotype tests) within 48 hours to the Local Health Department where the laboratory is located, or if out of state to the Maryland State Health Department, by mailing DHMH Form 4492. Laboratories are encouraged to contact the State Health Department to establish electronic reporting.

Reporting forms and instructions are available on our website:

<http://phpa.dhmh.maryland.gov/oideor/chse/sitepages/reporting-material.aspx>

### **For Assistance with HIV/AIDS Reporting**

For assistance with reporting, including establishment of routine, electronic, or other alternate methods of reporting to the Health Department, please contact the Center for HIV Surveillance, Epidemiology and Evaluation in the Maryland Department of Health and Mental Hygiene at 410-767-5061.

### **Limitations in the HIV/AIDS Data**

This epidemiological profile only contains data for HIV and AIDS cases that have been diagnosed by a health care provider, were reported to the health department by name, and were residents of Maryland at the time of diagnosis. Nationally, it has been estimated that 18% of people living with HIV infection are undiagnosed. In addition, despite a massive effort during which over 17,000 HIV cases were reported after the Maryland HIV reporting law changed on April 24, 2007, not all diagnosed HIV cases previously reported by Maryland's code-based identifier were located and re-reported by name. In addition, many of the re-reported HIV cases were identified by a recent diagnosis and not by their earliest diagnosis, resulting in an under-reporting of HIV diagnoses before 2001 and an over-reporting of HIV diagnoses from 2001 to 2008. Caution should be exercised in using the number of living HIV cases without AIDS and in interpreting trends in the number of reported HIV diagnoses. Furthermore, laboratory data are only available for cases receiving medical care, usually only at facilities in Maryland, and only includes test results that have been reported to the health department.

## **Stages of a Case of HIV/AIDS**

Untreated HIV disease progresses from HIV infection to AIDS to death. These are biological events that occur whether or not a person receives any medical care. For example, a person can be HIV infected but never have an HIV test and so they do not have an HIV diagnosis. A medical provider diagnoses that these biological events have occurred and records them as a medical event. The law requires medical providers to report these medical events to the Health Department, thereby creating a surveillance event.

<b>Time Point</b>	<b>Biological Event</b>	<b>Medical Event</b>	<b>Surveillance Event</b>
<b>1</b>	HIV Infection		
<b>2</b>		HIV Diagnosis	
<b>3</b>			HIV Report
<b>4</b>	AIDS Conditions		
<b>5</b>		AIDS Diagnosis	
<b>6</b>			AIDS Report
<b>7</b>	Death		
<b>8</b>		Death Diagnosis	
<b>9</b>			Death Report

For surveillance purposes, a case of HIV/AIDS can only move through time in one direction, from HIV infection to death report [from time point 1 to time point 9], but may skip over individual stages. Events can occur simultaneously, but usually there is a time lag between them. The time lag between events can be measured in days, months, or years.

For example, the time between HIV infection [time point 1] and the test that diagnoses HIV [time point 2] may be several years, and it may then take several days for the laboratory and physician to report the diagnosis to the health department [time point 3]. In a second example, a person with diagnosed and reported HIV infection [time point 3] may die [time point 7] without developing AIDS, thereby skipping the three AIDS events (conditions, diagnosis, and report [time points 4, 5 and 6]). And in a third example, a person with undiagnosed HIV infection [time point 1] may become sick, enter the hospital, and die [time point 7] of what is later determined to be AIDS. In that situation, HIV diagnosis [time point 2], AIDS diagnosis [time point 5], and death diagnosis [time point 8] would all occur at the same time, and that would have been many years after the initial HIV infection [time point 1].

## **Changes in Case Terminology**

The terminology for HIV and AIDS cases was changed from earlier epidemiological profiles to be more precise, with Reported Diagnoses replacing Incidence and Living Cases replacing Prevalence. Incidence is a measure of the number of new events (such as HIV infections) in a population during a period of time. Prevalence is a measure of the number of people living with a condition (such as HIV) in a population at a certain time. Prevalence includes both new and old cases. For HIV, Incidence and Prevalence cannot be directly measured and must be estimated using statistical methods. The HIV surveillance system is able to provide the actual number of diagnoses and deaths that are reported in the population.

For this epidemiological profile, the reports received through a certain time (the end of the year) are used to generate the number of diagnoses during the prior years. This one year lag allows for delays in reporting and time to complete investigations. For example, the Reported HIV Diagnoses for 2011 are the total of the reported HIV cases with or without an AIDS diagnosis, diagnosed with HIV during 1/1/2011-12/31/2011, as reported by name through 12/31/2012.

To calculate the number of Living Cases we count up all of the Reported Diagnoses from the beginning of the epidemic (all the new cases each year) and subtract all of the Reported Deaths. For example, the Total Living HIV Cases on 12/31/2011 are the total of the reported HIV Cases with or without an AIDS diagnosis and not reported to have died as of 12/31/2011 as reported by name through 12/31/2012.

## **Laboratory Data**

CD4+ T-lymphocyte tests are measures of a person's immune system function. An HIV infected adult is considered to have AIDS if they have less than 200 CD4 cells per microliter of blood. Viral load (VL) tests are measures of the amount of HIV in a person's body. The goal of HIV treatment is to have a very low number of copies of virus per milliliter of blood, below what the test can measure, which is called an undetectable level. Treatment recommendations are that a person in HIV medical care should have their CD4 and VL levels measured at least 2-3 times per year. We use the presence of these lab tests as an indicator that someone has been "linked to care" after diagnosis or is "in care".

## **Sources of Data**

Information on HIV and AIDS diagnoses, including residence at diagnosis, age, race/ethnicity, sex at birth, country of birth, vital status, HIV exposure category, and CD4 and HIV viral load test results are from the Maryland Department of Health and Mental Hygiene's Enhanced HIV/AIDS Reporting System (eHARS), December 31, 2012.

Live births are from the Maryland Department of Health and Mental Hygiene's Maryland Vital Statistics Annual Report 2011.

Perinatal exposures and transmissions are from the Maryland Department of Health and Mental Hygiene's Enhanced Perinatal Surveillance System, December 31, 2012.

Population data by sex, age, and race are from the July 1, 2011 U.S. Census Estimates and by country-of-birth from the 2011 American Community Survey (note the difference in total population due to different source). Due to estimation limitations, some population totals may not equal the sum of its components. When needed, age groups were divided by assuming uniform age distribution within the age group. Non-Hispanic multiple race and Non-Hispanic some other race from the Census were combined into one group.

## **Tabulation of Column Totals**

Figures in tables and generally in the text have been rounded. Discrepancies in tables between totals and sums of components are due to rounding.

## **Data Suppression**

In order to protect the confidentiality of reported HIV cases, data are suppressed in the following instances:

- Data describing a demographic group or geographic area (e.g. ZIP code) with a population less than 1,000 people.
- All clinical/laboratory information if it is describing less than 5 cases.
- All exposure/risk information if it is describing less than 5 cases, except in the case of "other" exposure.
- If any cell is suppressed, additional cells are also suppressed as necessary to prevent back calculation of the suppressed cell(s).

## **On-line Mapping Tool**

Please visit the Maryland Department of Health and Mental Hygiene's website at <http://phpa.dhmh.maryland.gov/oideor/chse> to create your own maps of adult/adolescent HIV rates by jurisdiction of residence, subset them by sex at birth and race/ethnicity, zoom in to the jurisdiction level, plot the locations of HIV testing sites, and print out your custom map.

## HIV Exposure Categories

The Centers for Disease Control and Prevention (CDC) developed a hierarchy of exposure categories for surveillance purposes. Persons with more than one reported risk factor are classified in the exposure category listed first in the hierarchy and therefore counted only once. Men who have sex with men and report injection drug use constitutes a separate transmission category.

**MSM (Men who have Sex with Men):** Men who report a history of sexual contact with other men (homosexual contact) including men who report sexual contact with both men and women (bisexual contact).

**Injection Drug Use (IDU):** Men or women who report receiving an injection, either self-administered or given by another person, of a drug that was not prescribed by a physician.

**MSM/IDU:** Men who report a history of sexual contact with other men who also have engaged in injection drug use.

**Heterosexual Exposure (HET):** Men or women who report a history of sexual contact with a person of the opposite sex who is known to have an HIV infection or at high risk for an HIV infection. High risk groups include bisexual men, IDUs and recipients of blood, blood components, transplants of organ or tissue and artificial insemination.

**Perinatal Exposure:** Any baby born to an HIV positive mother.

## Glossary of Terms

**Adult/Adolescent Living HIV Cases with AIDS:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an AIDS diagnosis, and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Adult/Adolescent Living HIV Cases without AIDS:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, without an AIDS diagnosis, and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Adult/Adolescent Reported AIDS Diagnoses:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an initial AIDS diagnosis during the specified year.

**Adult/Adolescent Reported HIV Diagnoses:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an initial HIV diagnosis during the specified year.

**Adult/Adolescent Total Living HIV Cases:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Age at AIDS Diagnosis:** Age group at time of initial AIDS diagnosis.

**Age at HIV Diagnosis:** Age group at time of initial HIV diagnosis.

**Age on [date]:** Age group of living cases on the specified date.

**AIDS Deaths:** Reported HIV diagnoses with an AIDS diagnosis that have died due to any cause.

**CD4 Result Distribution (<200, 200-349, 350-499, 500+):** Percent of cases with a CD4 test distributed by their CD4 count results (cells per microliter).

**Confirmed Perinatal HIV Transmissions:** Reported babies born to an HIV positive mother, with a confirmed HIV diagnosis.

**First CD4 Test Result:** First reported CD4 test result obtained within 12 months following initial HIV diagnosis.

**Jurisdiction of Residence at AIDS Diagnosis:** Jurisdiction of residence at time of initial AIDS diagnosis.

**Jurisdiction of Residence at Diagnosis:** Jurisdiction of residence at the later of time of initial HIV diagnosis or time of initial AIDS diagnosis.

**Jurisdiction of Residence at HIV Diagnosis:** Jurisdiction of residence at time of initial HIV diagnosis.

**Live Births:** Babies born alive in the general population.

**Living HIV Cases with AIDS:** Reported HIV diagnoses with an AIDS diagnosis and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Living HIV Cases without AIDS:** Reported HIV diagnoses without an AIDS diagnosis and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Mean Years from HIV Diagnosis (to AIDS Diagnosis):** Mean or average number of years from initial HIV diagnosis to initial AIDS diagnosis for cases with a reported AIDS diagnosis.

**Mean Years from AIDS diagnosis to AIDS Death:** Mean or average number of years from initial AIDS diagnosis to death for adult/adolescent reported AIDS diagnoses with a reported death.

**Median:** The measure of central location which divides a set of data into two equal parts.

**Median Count (First CD4):** Median CD4 count (cells per microliter) of the first CD4 test result reported within 12 months following initial HIV diagnosis.

**Median Count (Recent CD4):** Median CD4 count (cells per microliter) of the most recent CD4 test result reported in the 12 months prior to December 31<sup>st</sup> of the specified year

**Median Unsuppressed (Viral Load):** Median unsuppressed viral load (copies per milliliter) among adult/adolescent living HIV cases with a most recent viral load test result reported in the 12 months prior to December 31<sup>st</sup> of the specified year of 400 copies per milliliter or greater.

**On ART:** Estimated number of HIV Diagnosed receiving antiretroviral therapy (ART) during the specified year.

**Pediatric Reported HIV Diagnoses:** Reported HIV diagnoses, age less than 13 years at HIV diagnosis, with or without an AIDS diagnosis, with initial HIV diagnosis during the specified year.

**Pediatric Total Living HIV Cases:** Reported HIV diagnosis, age less than 13 years at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Percent Alive by Years after AIDS Diagnosis:** Percent of adult/adolescent reported AIDS diagnoses not reported to have died at 1 year, 2 years, 5 years and 10 years after initial AIDS diagnosis, by year of AIDS diagnosis.

**Percent Late HIV Diagnosis (for AIDS diagnoses):** Percent of adult/adolescent reported AIDS diagnoses with an initial HIV diagnosis less than or equal to 12 months prior to their initial AIDS diagnosis.

**Percent Late HIV Diagnosis (for HIV diagnoses):** Percent of adult/adolescent reported HIV diagnoses with an initial AIDS diagnosis less than or equal to 12 months after their initial HIV diagnosis.

**Percent Linked to Care:** Percent of adult/adolescent reported HIV diagnoses with a CD4 or viral load test performed less than or equal to 3 months after their initial HIV diagnosis.

**Percent Suppressed (Viral Load):** Percent of adult/adolescent total living HIV cases with a most recent viral load reported in the 12 months prior to December 31<sup>st</sup> of the specified year of less than 400 copies per milliliter.

**Percent with AIDS:** Percent of adult/adolescent reported HIV diagnoses in the specified year with an initial AIDS diagnosis by 12/31/2011.

**Percent with AIDS by Years after HIV Diagnosis:** Percent of adult/adolescent reported HIV diagnoses in the specified year with an initial AIDS diagnosis at 1 year, 2 years, 5 years and 10 years after HIV diagnosis.

**Perinatal HIV Transmission Rate:** Percent of confirmed perinatal HIV transmissions among reported perinatal HIV exposures.

**Population:** Population estimate for 7/1/2011.

**Population Age 13+:** Population age 13 years or older, estimate for 7/1/2011.

**Rate:** A proportion used to represent risk for disease within a given population. It is calculated by dividing the number of diagnoses by the number of persons at risk (population estimate).

**Ratio (1 in X):** Number of people for every 1 living HIV case in the population, or 1 living HIV case in every X number of people.

**Recent CD4 Test Result:** The most recent CD4 test result reported in the 12 months prior to December 31<sup>st</sup> of the specified year.

**Recent Viral Load Test Result:** The most recent viral load test result reported in the 12 months prior to December 31<sup>st</sup> of the specified year.

**Reported AIDS Deaths:** Reported HIV diagnoses with an AIDS diagnosis, reported to have died of any cause during the specified year.

**Reported AIDS Diagnoses:** Reported HIV diagnoses with an initial AIDS diagnosis during the specified year.

**Reported HIV Diagnoses:** Reported HIV diagnoses with an initial HIV diagnosis during the specified year.

**Reported Perinatal HIV Exposures:** Reported babies born to an HIV positive mother during the specified year.

**Retained in HIV Care:** HIV Diagnosed with a CD4 test result reported in the 12 months prior to December 31<sup>st</sup> of the specified year.

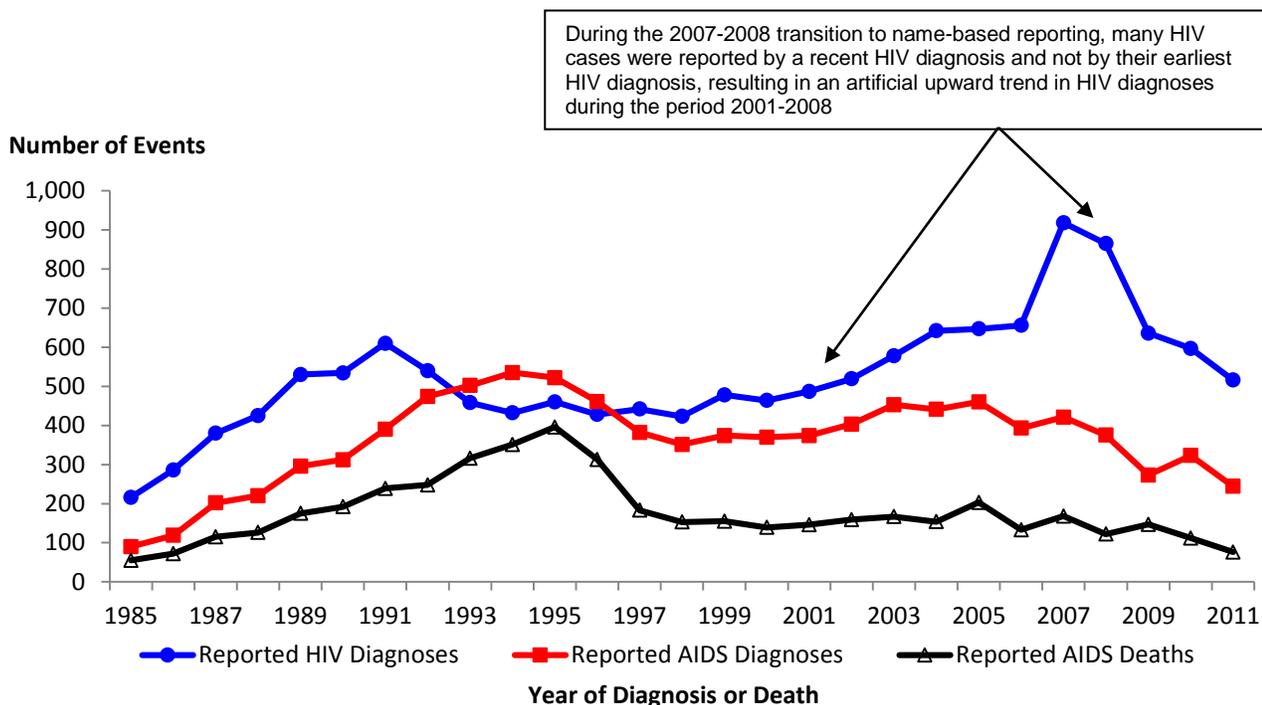
**Total Living HIV Cases:** Reported HIV diagnoses with or without an AIDS diagnosis and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Women of Childbearing Age Total Living HIV cases:** Reported HIV diagnoses among women of child bearing age (13-49 years old) on December 31<sup>st</sup> of the specified year.

## Section II – Trends 1985-2011

**Figure 1 – Trends in Reported HIV and AIDS Diagnoses and Deaths, 1985-2011, Reported through 12/31/2012**

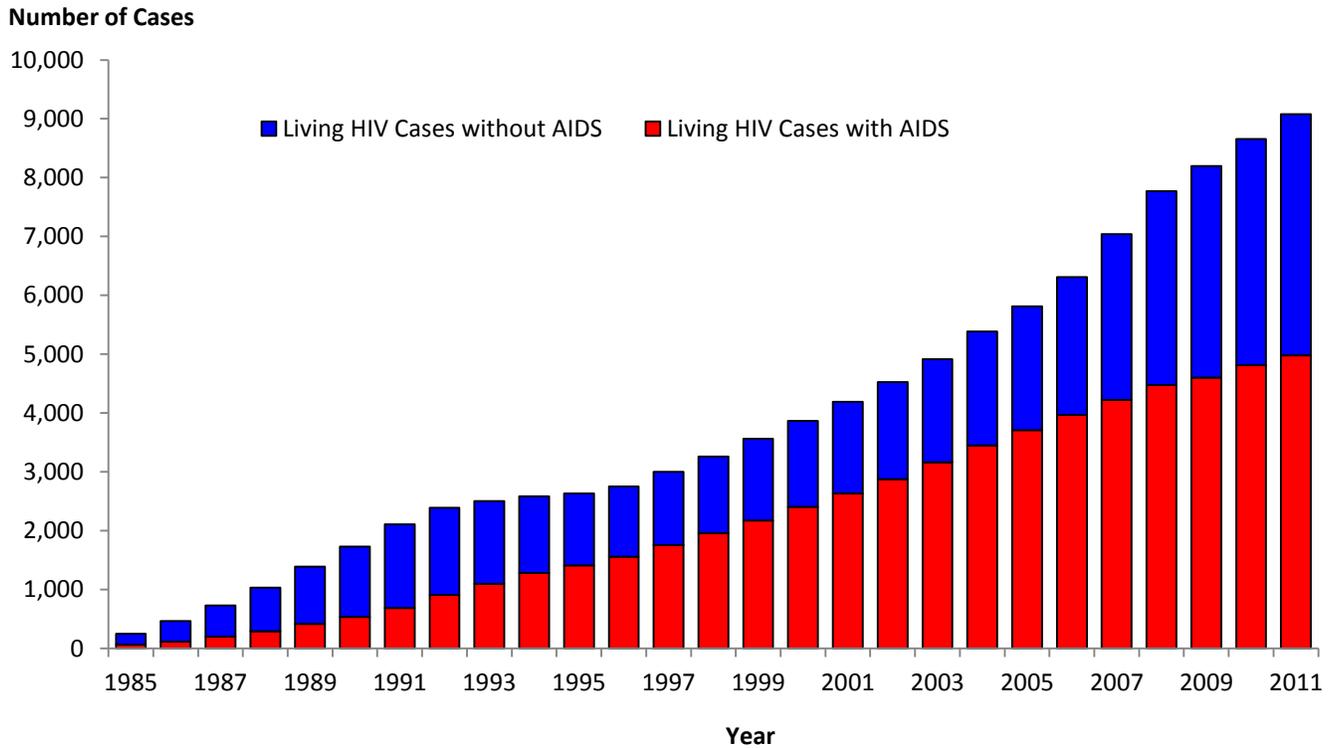
Reported HIV Cases with or without an AIDS Diagnosis (Reported HIV Diagnoses) by Year of HIV Diagnosis, Reported HIV Cases with an AIDS Diagnosis (Reported AIDS Diagnosis) by Year of AIDS Diagnosis, and Reported HIV Cases with an AIDS Diagnosis Reported to have Died of Any Cause (Reported AIDS Deaths) by Year of Death, from 1985 through 2011 as Reported through 12/31/2012



YEAR OF DIAGNOSIS OR DEATH	Reported HIV Diagnoses	Reported AIDS Diagnoses	Reported AIDS Deaths	YEAR OF DIAGNOSIS OR DEATH	Reported HIV Diagnoses	Reported AIDS Diagnoses	Reported AIDS Deaths
<1985	112	60	29	1998	423	351	153
1985	216	90	55	1999	478	374	155
1986	286	119	72	2000	464	370	139
1987	380	202	115	2001	487	374	146
1988	425	220	126	2002	519	403	159
1989	530	296	175	2003	578	453	167
1990	534	312	192	2004	642	441	154
1991	610	390	239	2005	647	460	203
1992	540	474	248	2006	656	393	133
1993	458	502	316	2007	918	421	168
1994	432	535	351	2008	865	375	122
1995	460	522	396	2009	636	273	147
1996	428	461	313	2010	597	323	112
1997	442	382	183	2011	516	244	76
				TOTAL	14,279	9,820	4,844

**Figure 2 – Trends in Living HIV Cases, 1985-2011, Reported through 12/31/2012**

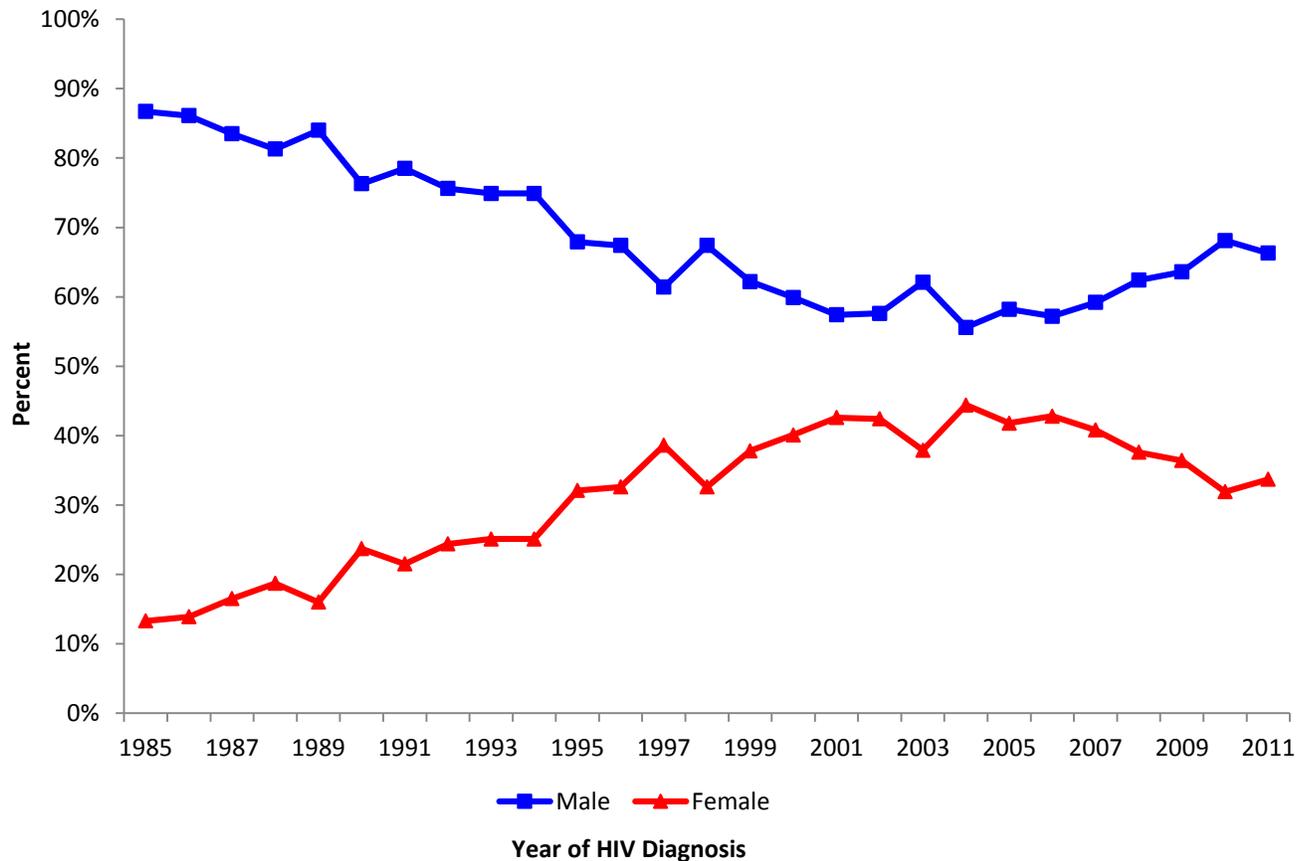
Reported HIV Cases with or without an AIDS Diagnosis and Not Reported to have Died as of December 31<sup>st</sup> of Each Year (Living HIV Cases without AIDS, Living HIV Cases with AIDS, and Total Living HIV Cases) from 1985 through 2011, as Reported through 12/31/2012



YEAR	Living HIV Cases without AIDS	Living HIV Cases with AIDS	Total Living HIV Cases	YEAR	Living HIV Cases without AIDS	Living HIV Cases with AIDS	Total Living HIV Cases
1985	184	66	250	1998	1,305	1,957	3,262
1986	353	113	466	1999	1,390	2,176	3,566
1987	533	200	733	2000	1,462	2,407	3,869
1988	740	294	1,034	2001	1,553	2,636	4,189
1989	973	415	1,388	2002	1,646	2,880	4,526
1990	1,198	535	1,733	2003	1,748	3,166	4,914
1991	1,422	686	2,108	2004	1,934	3,453	5,387
1992	1,481	912	2,393	2005	2,101	3,710	5,811
1993	1,407	1,098	2,505	2006	2,341	3,970	6,311
1994	1,301	1,283	2,584	2007	2,819	4,223	7,042
1995	1,224	1,411	2,635	2008	3,293	4,476	7,769
1996	1,191	1,560	2,751	2009	3,594	4,602	8,196
1997	1,241	1,759	3,000	2010	3,844	4,813	8,657
				2011	4,097	4,981	9,078

**Figure 3 – Trends in Adult/Adolescent Reported HIV Diagnoses by Sex at Birth, 1985-2011, Reported through 12/31/2012**

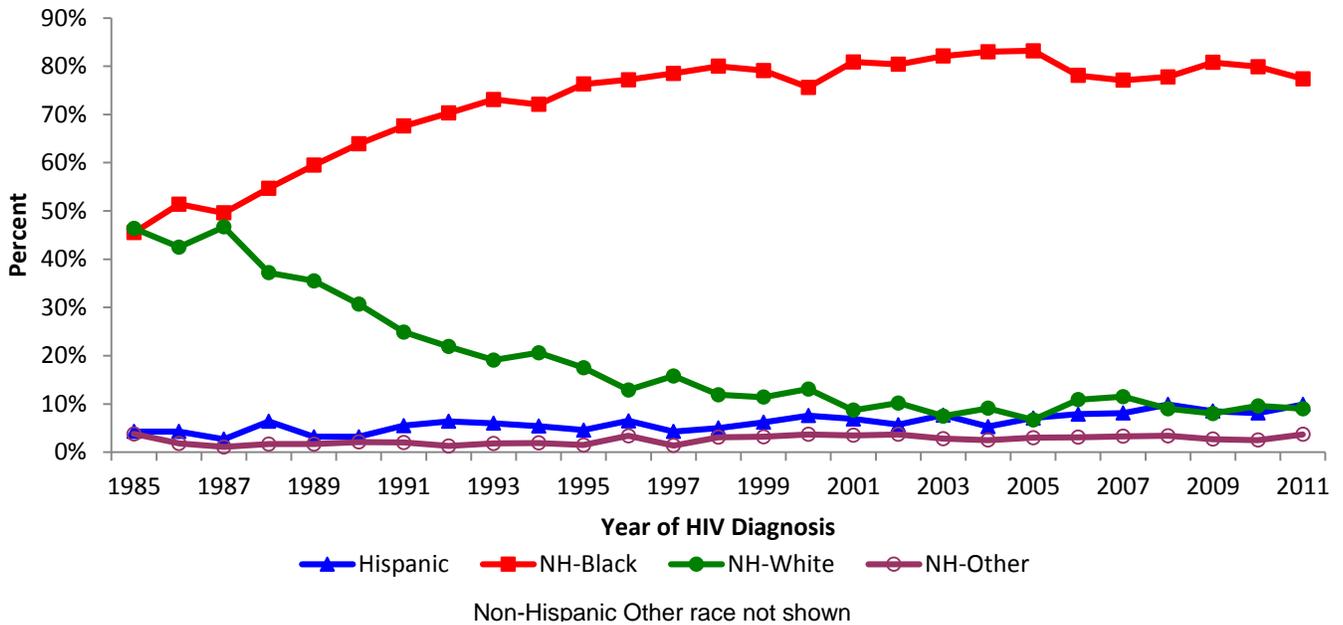
Percent by Sex at Birth of Adult/Adolescent Reported HIV Cases, Age 13+ at HIV Diagnosis, with or without an AIDS Diagnosis (Adult/Adolescent Reported HIV Diagnoses) by Year of HIV Diagnosis from 1985 through 2011, as Reported through 12/31/2012



YEAR OF HIV DIAGNOSIS	Adult/Adolescent Reported HIV Diagnoses			YEAR OF HIV DIAGNOSIS	Adult/Adolescent Reported HIV Diagnoses		
	No.	% Male	% Female		No.	% Male	% Female
<1985	108	90.7%	9.3%	1998	420	67.4%	32.6%
1985	211	86.7%	13.3%	1999	465	62.2%	37.8%
1986	280	86.1%	13.9%	2000	459	59.9%	40.1%
1987	375	83.5%	16.5%	2001	481	57.4%	42.6%
1988	422	81.3%	18.7%	2002	510	57.6%	42.4%
1989	524	84.0%	16.0%	2003	575	62.1%	37.9%
1990	524	76.3%	23.7%	2004	637	55.6%	44.4%
1991	599	78.5%	21.5%	2005	638	58.2%	41.8%
1992	529	75.6%	24.4%	2006	645	57.2%	42.8%
1993	450	74.9%	25.1%	2007	898	59.2%	40.8%
1994	423	74.9%	25.1%	2008	859	62.4%	37.6%
1995	452	67.9%	32.1%	2009	634	63.6%	36.4%
1996	417	67.4%	32.6%	2010	596	68.1%	31.9%
1997	438	61.4%	38.6%	2011	513	66.3%	33.7%
				<b>TOTAL</b>	14,082	67.3%	32.7%

**Figure 4 – Trends in Adult/Adolescent Reported HIV Diagnoses by Race/Ethnicity, 1985-2011, Reported through 12/31/2012**

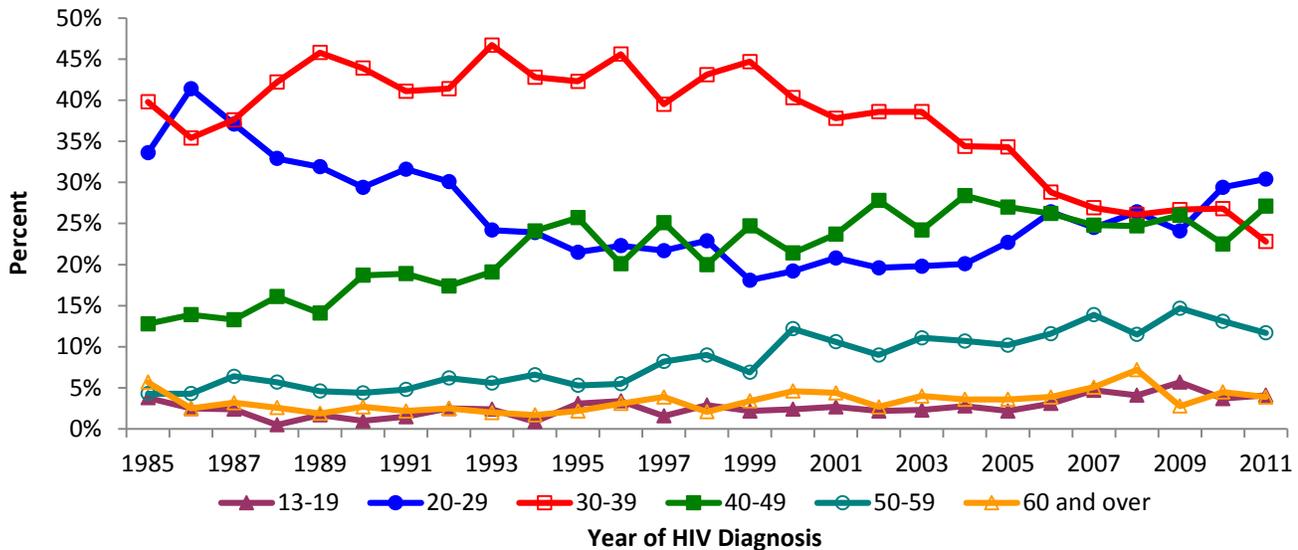
Percent by Race/Ethnicity of Adult/Adolescent Reported HIV Cases, Age 13+ at HIV Diagnosis, with or without an AIDS Diagnosis (Adult/Adolescent Reported HIV Diagnoses) by Year of HIV Diagnosis from 1985 through 2011, as Reported through 12/31/2012



YEAR OF HIV DIAGNOSIS	Adult/Adolescent Reported HIV Diagnoses				
	No.	% Hispanic	% Non-Hispanic Black, only	% Non-Hispanic White, only	% Non-Hispanic Other Race
<1985	108	1.9%	56.5%	41.7%	0.0%
1985	211	4.3%	45.5%	46.4%	3.8%
1986	280	4.3%	51.4%	42.5%	1.8%
1987	375	2.7%	49.6%	46.7%	1.1%
1988	422	6.4%	54.7%	37.2%	1.7%
1989	524	3.2%	59.5%	35.5%	1.7%
1990	524	3.2%	63.9%	30.7%	2.1%
1991	599	5.5%	67.6%	24.9%	2.0%
1992	529	6.4%	70.3%	21.9%	1.3%
1993	450	6.0%	73.1%	19.1%	1.8%
1994	423	5.4%	72.1%	20.6%	1.9%
1995	452	4.6%	76.3%	17.5%	1.5%
1996	417	6.5%	77.2%	12.9%	3.4%
1997	438	4.3%	78.5%	15.8%	1.4%
1998	420	5.0%	80.0%	11.9%	3.1%
1999	465	6.2%	79.1%	11.4%	3.2%
2000	459	7.6%	75.6%	13.1%	3.7%
2001	481	6.9%	80.9%	8.7%	3.5%
2002	510	5.7%	80.4%	10.2%	3.7%
2003	575	7.7%	82.1%	7.5%	2.8%
2004	637	5.3%	83.0%	9.1%	2.5%
2005	638	7.1%	83.2%	6.7%	3.0%
2006	645	7.9%	78.1%	10.9%	3.1%
2007	898	8.1%	77.1%	11.5%	3.3%
2008	859	9.9%	77.8%	9.0%	3.4%
2009	634	8.5%	80.8%	8.0%	2.7%
2010	596	8.1%	79.9%	9.6%	2.5%
2011	513	9.9%	77.4%	9.0%	3.7%
<b>TOTAL</b>	<b>14,082</b>	<b>6.5%</b>	<b>74.0%</b>	<b>16.9%</b>	<b>2.6%</b>

**Figure 5 – Trends in Adult/Adolescent Reported HIV Diagnoses by Age at Diagnosis, 1985-2011, Reported through 12/31/2012**

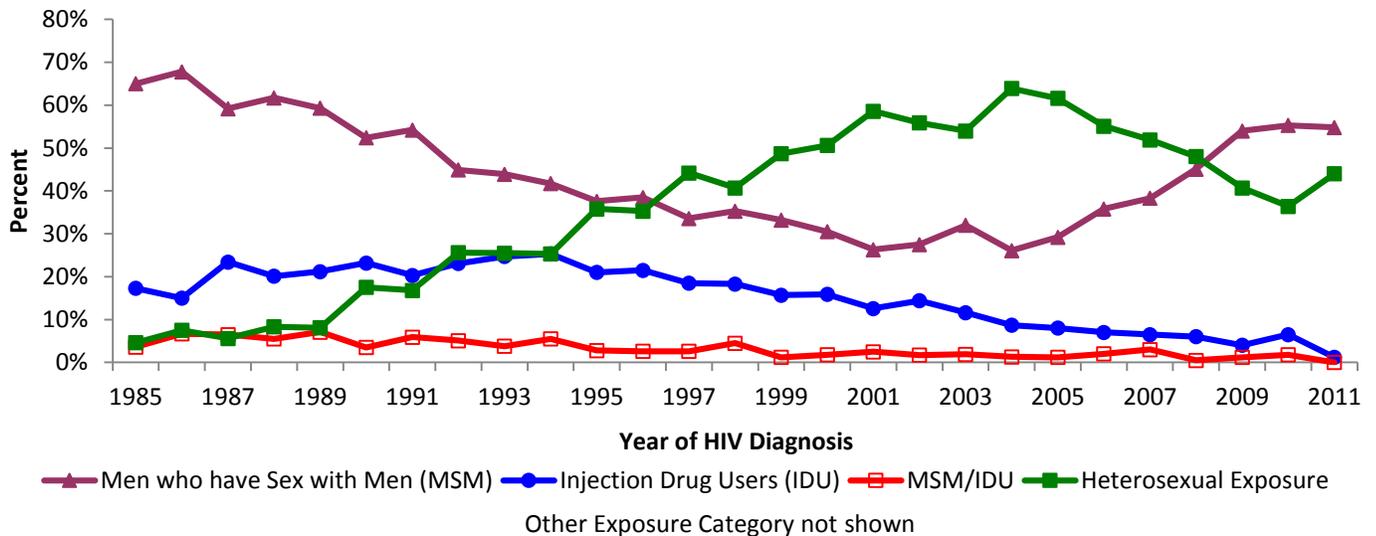
Percent by Age at HIV Diagnosis of Adult/Adolescent Reported HIV Cases, Age 13+ at HIV Diagnosis, with or without an AIDS Diagnosis (Adult/Adolescent Reported HIV Diagnoses) by Year of HIV Diagnosis from 1985 through 2011, as Reported through 12/31/2012



YEAR OF HIV DIAGNOSIS	Reported Adult/Adolescent HIV Diagnoses						
	No.	% Age 13-19	% Age 20-29	% Age 30-39	% Age 40-49	% Age 50-59	% Age 60+
<1985	108	7.4%	35.2%	32.4%	18.5%	3.7%	2.8%
1985	211	3.8%	33.6%	39.8%	12.8%	4.3%	5.7%
1986	280	2.5%	41.4%	35.4%	13.9%	4.3%	2.5%
1987	375	2.4%	37.1%	37.6%	13.3%	6.4%	3.2%
1988	422	0.5%	32.9%	42.2%	16.1%	5.7%	2.6%
1989	524	1.7%	31.9%	45.8%	14.1%	4.6%	1.9%
1990	524	1.0%	29.4%	43.9%	18.7%	4.4%	2.7%
1991	599	1.5%	31.6%	41.1%	18.9%	4.8%	2.2%
1992	529	2.5%	30.1%	41.4%	17.4%	6.2%	2.5%
1993	450	2.4%	24.2%	46.7%	19.1%	5.6%	2.0%
1994	423	0.9%	23.9%	42.8%	24.1%	6.6%	1.7%
1995	452	3.1%	21.5%	42.3%	25.7%	5.3%	2.2%
1996	417	3.4%	22.3%	45.6%	20.1%	5.5%	3.1%
1997	438	1.6%	21.7%	39.5%	25.1%	8.2%	3.9%
1998	420	2.9%	22.9%	43.1%	20.0%	9.0%	2.1%
1999	465	2.2%	18.1%	44.7%	24.7%	6.9%	3.4%
2000	459	2.4%	19.2%	40.3%	21.4%	12.2%	4.6%
2001	481	2.7%	20.8%	37.8%	23.7%	10.6%	4.4%
2002	510	2.2%	19.6%	38.6%	27.8%	9.0%	2.7%
2003	575	2.3%	19.8%	38.6%	24.2%	11.1%	4.0%
2004	637	2.8%	20.1%	34.4%	28.4%	10.7%	3.6%
2005	638	2.2%	22.7%	34.3%	27.0%	10.2%	3.6%
2006	645	3.1%	26.4%	28.8%	26.2%	11.6%	3.9%
2007	898	4.7%	24.5%	26.9%	24.8%	13.9%	5.1%
2008	859	4.1%	26.4%	26.1%	24.7%	11.5%	7.2%
2009	634	5.7%	24.1%	26.7%	26.0%	14.7%	2.8%
2010	596	3.7%	29.4%	26.8%	22.5%	13.1%	4.5%
2011	513	4.1%	30.4%	22.8%	27.1%	11.7%	3.9%
<b>TOTAL</b>	<b>14,082</b>	<b>2.8%</b>	<b>25.7%</b>	<b>36.4%</b>	<b>22.5%</b>	<b>9.0%</b>	<b>3.5%</b>

**Figure 6 – Trends in Adult/Adolescent Reported HIV Diagnoses by Exposure Category, 1985-2011, Reported through 12/31/2012**

Percent by Exposure Category of Adult/Adolescent Reported HIV Cases, Age 13+ at HIV Diagnosis, with or without an AIDS Diagnosis (Adult/Adolescent Reported HIV Diagnoses) and with Reported Exposure Category by Year of HIV Diagnosis from 1985 through 2011, as Reported through 12/31/2012



YEAR	Adult/Adolescent Reported HIV Diagnoses						
	No.	With Exposure Category					% Other Exposure
		No.	% MSM	% IDU	% MSM/IDU	% HET	
<1985	108	97	71.1%	13.4%	5.2%	7.2%	3.1%
1985	211	197	65.0%	17.3%	3.6%	4.6%	9.6%
1986	280	267	67.8%	15.0%	6.7%	7.5%	3.0%
1987	375	355	59.2%	23.4%	6.5%	5.6%	5.4%
1988	422	399	61.7%	20.1%	5.5%	8.3%	4.5%
1989	524	482	59.3%	21.2%	7.1%	8.1%	4.4%
1990	524	487	52.4%	23.2%	3.5%	17.5%	3.5%
1991	599	542	54.2%	20.3%	5.9%	16.8%	2.8%
1992	529	454	44.9%	23.1%	5.1%	25.6%	1.3%
1993	450	392	43.9%	24.7%	3.8%	25.5%	2.0%
1994	423	379	41.7%	25.3%	5.5%	25.3%	2.1%
1995	452	386	37.6%	21.0%	2.8%	35.8%	2.8%
1996	417	340	38.5%	21.5%	2.6%	35.3%	2.1%
1997	438	351	33.6%	18.5%	2.6%	44.2%	1.1%
1998	420	312	35.3%	18.3%	4.5%	40.7%	1.3%
1999	465	343	33.2%	15.7%	1.2%	48.7%	1.2%
2000	459	334	30.5%	15.9%	1.8%	50.6%	1.2%
2001	481	365	26.3%	12.6%	2.5%	58.6%	0.0%
2002	510	404	27.5%	14.4%	1.7%	55.9%	0.5%
2003	575	465	32.0%	11.6%	1.9%	54.0%	0.4%
2004	637	460	26.1%	8.7%	1.3%	63.9%	0.0%
2005	638	424	29.2%	8.0%	1.2%	61.6%	0.0%
2006	645	399	35.8%	7.0%	2.0%	55.1%	0.0%
2007	898	462	38.3%	6.5%	3.0%	51.9%	0.2%
2008	859	381	45.1%	6.0%	0.5%	48.0%	0.3%
2009	634	248	54.0%	4.0%	1.2%	40.7%	0.0%
2010	596	217	55.3%	6.5%	1.8%	36.4%	0.0%
2011	513	168	54.8%	1.2%	0.0%	44.0%	0.0%
<b>TOTAL</b>	<b>14,082</b>	<b>10,110</b>	<b>43.1%</b>	<b>15.8%</b>	<b>3.3%</b>	<b>36.0%</b>	<b>1.8%</b>

## Section III – Adult/Adolescent Cases by Jurisdiction

**Table 1 – Adult/Adolescent HIV Diagnoses during 2011, First CD4 Test Result, Percent Linked to Care, and Percent Late Diagnosis, by Jurisdiction, Reported through 12/31/2012**

JURISDICTION OF RESIDENCE AT HIV DIAGNOSIS	Population Age 13+	Adult/Adolescent Reported HIV Diagnoses							
		No.	% of Total	Rate	First CD4 Test Result			% Linked to Care	% Late HIV Diagnosis
					No. with Test	% with Test	Median Count		
Calvert	74,035	10	1.9%	13.5	9	90.0%	262	80.0%	20.0%
Charles	122,835	15	2.9%	12.2	10	66.7%	284	66.7%	46.7%
Frederick	195,682	9	1.8%	4.6	5	55.6%	103	55.6%	44.4%
Montgomery	821,218	147	28.7%	17.9	117	79.6%	324	61.2%	32.7%
Prince George's	723,543	332	64.7%	45.9	247	74.4%	288	65.7%	37.0%
TOTAL	1,937,313	513	100.0%	26.5	388	75.6%	308	64.5%	35.9%

**Adult/Adolescent Reported HIV Diagnoses:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an initial HIV diagnosis during the specified year.

**Jurisdiction of Residence at HIV Diagnosis:** Jurisdiction of residence at time of initial HIV diagnosis.

**Population Age 13+:** Population age 13 years or older, estimate for 7/1/2011.

**Rate:** A proportion used to represent risk for disease within a given population. It is calculated by dividing the number of diagnoses by the number of persons at risk (population estimate).

**Median Count (First CD4):** Median CD4 count (cells per microliter) of the first CD4 test result reported within 12 months following initial HIV diagnosis.

**Percent Linked to Care:** Percent of adult/adolescent reported HIV diagnoses with a CD4 or viral load test performed less than or equal to 3 months after their initial HIV diagnosis.

**Percent Late HIV Diagnosis (for HIV diagnoses):** Percent of adult/adolescent reported HIV diagnoses with an initial AIDS diagnosis less than or equal to 12 months after their initial HIV diagnosis.

**Table 2 – Adult/Adolescent AIDS Diagnoses during 2011, Mean Years from HIV Diagnosis and Percent Late HIV Diagnosis, by Jurisdiction, Reported through 12/31/2012**

JURISDICTION OF RESIDENCE AT AIDS DIAGNOSIS	Population Age 13+	Adult/Adolescent Reported AIDS Diagnoses				
		No.	% of Total	Rate	Mean Years from HIV Diagnosis	% Late HIV Diagnosis
Calvert	74,035	1	0.4%	1.4	***	***
Charles	122,835	9	3.7%	7.3	3.4	66.7%
Frederick	195,682	4	1.6%	2.0	***	***
Montgomery	821,218	57	23.5%	6.9	1.7	73.7%
Prince George's	723,543	172	70.8%	23.8	2.3	65.1%
TOTAL	1,937,313	243	100.0%	12.5	2.2	67.9%

\*\*\* Data withheld due to low population counts and/or case counts

**Adult/Adolescent Reported AIDS Diagnoses:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an initial AIDS diagnosis during the specified year.

**Jurisdiction of Residence at AIDS Diagnosis:** Jurisdiction of residence at time of initial AIDS diagnosis.

**Population Age 13+:** Population age 13 years or older, estimate for 7/1/2011.

**Rate:** A proportion used to represent risk for disease within a given population. It is calculated by dividing the number of diagnoses by the number of persons at risk (population estimate).

**Mean Years from HIV Diagnosis (to AIDS Diagnosis):** Mean number of years from initial HIV diagnosis to initial AIDS diagnosis for cases with a reported AIDS diagnosis.

**Percent Late HIV Diagnosis (for AIDS diagnoses):** Percent of adult/adolescent reported AIDS diagnoses with an initial HIV diagnosis less than or equal to 12 months prior to their initial AIDS diagnosis.

**Table 3 – Adult/Adolescent HIV Cases Alive on 12/31/2011, by Jurisdiction, Reported through 12/31/2012**

JURISDICTION OF RESIDENCE AT DIAGNOSIS	Population Age 13+	Adult/Adolescent Living HIV Cases without AIDS			Adult/Adolescent Living HIV Cases with AIDS			Adult/Adolescent Total Living HIV Cases			
		No.	% of Total	Rate	No.	% of Total	Rate	No.	% of Total	Rate	Ratio (1 in X)
Calvert	74,035	46	1.1%	62.1	52	1.1%	70.2	98	1.1%	132.4	755
Charles	122,835	145	3.6%	118.0	142	2.9%	115.6	287	3.2%	233.6	427
Frederick	195,682	119	3.0%	60.8	138	2.8%	70.5	257	2.9%	131.3	761
Montgomery	821,218	1,269	31.7%	154.5	1,664	33.8%	202.6	2,933	32.9%	357.2	279
Prince George's	723,543	2,425	60.6%	335.2	2,927	59.5%	404.5	5,352	60.0%	739.7	135
METRO TOTAL	1,937,313	4,004	100.0%	206.7	4,923	100.0%	254.1	8,927	100.0%	460.8	217

**Jurisdiction of Residence at Diagnosis:** Jurisdiction of residence at later of time of initial HIV diagnosis or time of initial AIDS diagnosis.

**Population Age 13+:** Population greater than or equal to 13 years old, estimate for 7/1/2011.

**Adult/Adolescent Living HIV Cases without AIDS:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, without an AIDS diagnosis, and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Adult/Adolescent Living HIV Cases with AIDS:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an AIDS diagnosis, and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Adult/Adolescent Total Living HIV Cases:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Rate:** A proportion used to represent risk for disease within a given population. It is calculated by dividing the number of diagnoses by the number of persons at risk (population estimate).

**Ratio (1 in X):** Number of people for every 1 living HIV case in the population, or 1 living HIV case in every X number of people.

**Table 4 – CD4 Test Results for Adult/Adolescent HIV Cases Alive on 12/31/2011, Reported through 12/31/2012**

JURISDICTION OF RESIDENCE AT DIAGNOSIS	Adult/Adolescent Total Living HIV Cases								
	No.	Recent CD4 Test Result						350-499	500+
		No. with Test	% with Test	Median Count	<200	200-349			
Calvert	98	40	40.8%	457	15.0%	17.5%	20.0%	47.5%	
Charles	287	97	33.8%	473	16.5%	17.5%	19.6%	46.4%	
Frederick	257	96	37.4%	488	15.6%	14.6%	20.8%	49.0%	
Montgomery	2,933	938	32.0%	481	13.4%	17.1%	23.7%	45.8%	
Prince George's	5,352	1,863	34.8%	432	20.4%	17.1%	21.1%	41.3%	
<b>METRO TOTAL</b>	<b>8,927</b>	<b>3,034</b>	<b>34.0%</b>	<b>452</b>	<b>17.9%</b>	<b>17.0%</b>	<b>21.9%</b>	<b>43.2%</b>	

**Adult/Adolescent Total Living HIV Cases:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Recent CD4 Test Result:** The most recent CD4 test result reported in the 12 months prior to December 31<sup>st</sup> of the specified year.

**Jurisdiction of Residence at Diagnosis:** Jurisdiction of residence at later of time of initial HIV diagnosis or time of initial AIDS diagnosis.

**Median Count (Recent CD4):** Median CD4 count (cells per microliter) of the most recent CD4 test result reported in the 12 months prior to December 31<sup>st</sup> of the specified year.

**CD4 Result Distribution (<200, 200-349, 350-499, 500+):** Percent of cases with a CD4 test distributed by their CD4 count results (cells per microliter).

**Table 5 – Viral Load Test Results for Adult/Adolescent HIV Cases Alive on 12/31/2011, by Jurisdiction, Reported through 12/31/2012**

JURISDICTION OF RESIDENCE AT DIAGNOSIS	Adult/Adolescent Total Living HIV Cases				
	No.	Recent Viral Load Test Result			
		No. with Test	% with Test	% Suppressed	Median Unsuppressed
Calvert	98	37	37.8%	73.0%	40,145
Charles	287	93	32.4%	65.6%	3,784
Frederick	257	82	31.9%	81.7%	37,561
Montgomery	2,933	933	31.8%	79.1%	13,725
Prince George's	5,352	1,873	35.0%	70.2%	20,268
METRO TOTAL	8,927	3,018	33.8%	73.2%	16,316

**Adult/Adolescent Total Living HIV Cases:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Jurisdiction of Residence at Diagnosis:** Jurisdiction of residence at later of time of initial HIV diagnosis or time of initial AIDS diagnosis.

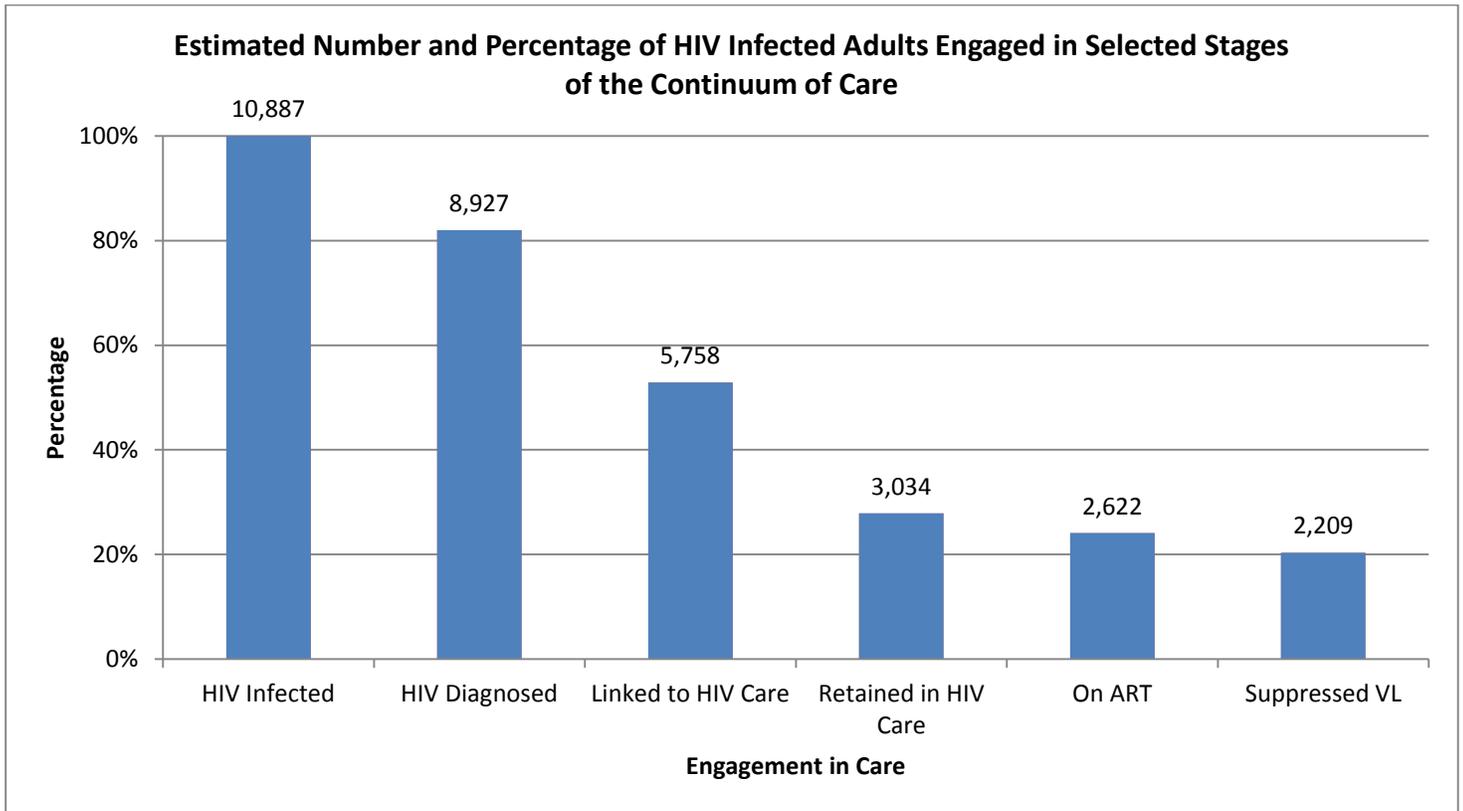
**Recent Viral Load Test Result:** The most recent viral load test result reported in the 12 months prior to December 31<sup>st</sup> of the specified year.

**Percent Suppressed (Viral Load):** Percent of adult/adolescent total living HIV cases with a most recent viral load reported in the 12 months prior to December 31<sup>st</sup> of the specified year of less than 400 copies per milliliter.

**Median Unsuppressed (Viral Load):** Median unsuppressed viral load (copies per milliliter) among adult/adolescent living HIV cases with a most recent viral load test result reported in the 12 months prior to December 31<sup>st</sup> of the specified year of 400 copies per milliliter or greater.

**Figure 7 – Estimated Adult/Adolescent 2011 HIV Continuum of Care, Reported through 12/31/2012**

In their 2011 article in Clinical Infectious Diseases, Gardner et al. utilize a continuum of care “cascade” to illustrate national estimates of the number of persons living with HIV who belong to each of the stages of engagement in HIV care. The Maryland Engagement in HIV Care Cascade (below) uses the national estimate of the number of undiagnosed persons (18%) to generate an estimated total number of HIV infected persons in Maryland, and then uses local data to describe the number and percentage of persons living with HIV in Maryland who belong to each of the stages of engagement in HIV care.



Continuum of Care Stage	Number	Percentage
HIV Infected	10,887	100.0%
HIV Diagnosed	8,927	82.0%
Linked to HIV Care	5,758	52.9%
Retained in HIV Care	3,034	27.9%
On ART	2,622	24.1%
Suppressed VL	2,209	20.3%

**HIV Infected:** HIV Diagnosed divided by one minus the national estimate of undiagnosed HIV infections (18%).

**HIV Diagnosed:** Adult/adolescent total living HIV cases as of December 31<sup>st</sup> of the specified year.

**Linked to HIV Care:** HIV Diagnosed multiplied by the percent of adult/adolescent reported HIV diagnoses during the specified year with a reported CD4 or viral load test performed less than or equal to 3 months after their initial HIV diagnosis.

**Retained in HIV Care:** HIV Diagnosed with a CD4 test result reported in the 12 months prior to December 31<sup>st</sup> of the specified year

**On ART:** Estimated number of HIV Diagnosed receiving antiretroviral therapy (ART) during the specified year.

**Suppressed Viral Load:** HIV Diagnosed with the most recent viral load reported in the 12 months prior to December 31<sup>st</sup> of the specified year of less than 400 copies per milliliter.

## Section IV – Cases by Age

**Table 6 – HIV Diagnoses during 2011, First CD4 Test Result, Percent Linked to Care, and Percent Late Diagnosis, by Age at HIV Diagnosis, Reported through 12/31/2012**

AGE AT HIV DIAGNOSIS	Population	Reported HIV Diagnoses							
		No.	% of Total	Rate	First CD4 Test Result			% Linked to Care	% Late Diagnosis
					No. with Test	% with Test	Median Count		
<5 (Pediatric)	152,832	1	0.2%	0.7	***	***	***	***	***
5-12 (Pediatric)	246,012	2	0.4%	0.8	***	***	***	***	***
13-19	224,592	21	4.1%	9.4	12	57.1%	411	47.6%	23.8%
20-29	313,278	156	30.2%	49.8	121	77.6%	389	62.2%	23.7%
30-39	315,265	117	22.7%	37.1	91	77.8%	253	62.4%	47.9%
40-49	360,241	139	26.9%	38.6	108	77.7%	235	70.5%	42.4%
50-59	332,852	60	11.6%	18.0	45	75.0%	255	70.0%	40.0%
60+	391,086	20	3.9%	5.1	11	55.0%	315	55.0%	15.0%
TOTAL	2,336,158	516	100.0%	22.1	390	75.6%	308	64.5%	35.7%

\*\*\* Data withheld due to low population counts and/or case counts

**Table 7 – AIDS Diagnoses during 2011, Mean Years from HIV Diagnosis and Percent Late HIV Diagnosis, by Age at AIDS Diagnosis, Reported through 12/31/2012**

AGE AT AIDS DIAGNOSIS	Population	Reported AIDS Diagnoses				
		No.	% of Total	Rate	Mean Years from HIV Diagnosis	% Late HIV Diagnosis
<5 (Pediatric)	152,832	0	0.0%	0.0	--	--
5-12 (Pediatric)	246,012	0	0.0%	0.0	--	--
13-19	224,592	6	2.5%	2.7	1.4	66.7%
20-29	313,278	49	20.1%	15.6	1.3	73.5%
30-39	315,265	75	30.7%	23.8	2.5	64.0%
40-49	360,241	76	31.1%	21.1	2.4	68.4%
50-59	332,852	31	12.7%	9.3	2.3	64.5%
60+	391,086	7	2.9%	1.8	2.2	71.4%
TOTAL	2,336,158	244	100.0%	10.4	2.2	67.6%

**Reported HIV Diagnoses:** Reported HIV diagnoses with an initial HIV diagnosis during the specified year.

**Age at HIV Diagnosis:** Age group at time of initial HIV diagnosis.

**Population:** Population estimate for 7/1/2011.

**Rate:** A proportion used to represent risk for disease within a given population. It is calculated by dividing the number of diagnoses by the number of persons at risk (population estimate).

**First CD4 Test Result:** First reported CD4 test result obtained within 12 months following initial HIV diagnosis.

**Median Count (First CD4):** Median CD4 count (cells per microliter) of the first CD4 test result reported within 12 months following initial HIV diagnosis.

**Percent Linked to Care:** Percent of adult/adolescent reported HIV diagnoses with a CD4 or viral load test performed less than or equal to 3 months after their initial HIV diagnosis.

**Percent Late HIV Diagnosis (for AIDS diagnoses):** Percent of adult/adolescent reported AIDS diagnoses with an initial HIV diagnosis less than or equal to 12 months prior to their initial AIDS diagnosis.

**Percent Late HIV Diagnosis (for HIV diagnoses):** Percent of adult/adolescent reported HIV diagnoses with an initial AIDS diagnosis less than or equal to 12 months after their initial HIV diagnosis.

**Age at AIDS Diagnosis:** Age group at time of initial AIDS diagnosis.

**Reported AIDS Diagnoses:** Reported HIV diagnoses with an initial AIDS diagnosis during the specified year.

**Mean Years from HIV Diagnosis (to AIDS Diagnosis):** Mean number of years from initial HIV diagnosis to initial AIDS diagnosis for cases with a reported AIDS diagnosis.

**Table 8 – HIV Cases Alive on 12/31/2011, by Age on 12/31/2011, Reported through 12/31/2012**

AGE ON 12/31/2011	Population	Living HIV Cases without AIDS			Living HIV Cases with AIDS			Total Living HIV Cases			
		No.	%	Rate	No.	%	Rate	No.	%	Rate	Ratio (1 in X)
<5 (Pediatric)	152,832	6	0.1%	3.9	0	0.0%	0.0	6	0.1%	3.9	25,472
5-12 (Pediatric)	246,012	38	0.9%	15.4	5	0.1%	2.0	43	0.5%	17.5	5,721
13-19	224,592	71	1.7%	31.6	35	0.7%	15.6	106	1.2%	47.2	2,118
20-29	313,278	705	17.2%	225.0	296	5.9%	94.5	1,001	11.0%	319.5	312
30-39	315,265	1,016	24.8%	322.3	919	18.5%	291.5	1,935	21.3%	613.8	162
40-49	360,241	1,227	29.9%	340.6	1,856	37.3%	515.2	3,083	34.0%	855.8	116
50-59	332,852	741	18.1%	222.6	1,343	27.0%	403.5	2,084	23.0%	626.1	159
60+	391,086	293	7.2%	74.9	527	10.6%	134.8	820	9.0%	209.7	476
TOTAL	2,336,158	4,097	100.0%	175.4	4,981	100.0%	213.2	9,078	100.0%	388.6	257

**Age on [date]:** Age group of living cases on the specified date.

**Population:** Population estimate for 7/1/2011.

**Adult/Adolescent Living HIV Cases without AIDS:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, without an AIDS diagnosis, and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Adult/Adolescent Living HIV Cases with AIDS:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an AIDS diagnosis, and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Adult/Adolescent Total Living HIV Cases:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Rate:** A proportion used to represent risk for disease within a given population. It is calculated by dividing the number of diagnoses by the number of persons at risk (population estimate).

**Ratio (1 in X):** Number of people for every 1 living HIV case in the population, or 1 living HIV case in every X number of people.

**Table 9 – CD4 Test Results for Adult/Adolescent HIV Cases Alive on 12/31/2011, by Age on 12/31/2011, Reported through 12/31/2012**

AGE ON 12/31/2011	Adult/Adolescent Total Living HIV Cases								
	No.	Recent CD4 Test Result						350-499	500+
		No. with Test	% with Test	Median Count	<200	200-349			
13-19	49	18	36.7%	394	16.7%	11.1%	38.9%	33.3%	
20-29	960	375	39.1%	423	18.9%	20.0%	21.9%	39.2%	
30-39	1,933	680	35.2%	448	17.5%	16.8%	22.9%	42.8%	
40-49	3,082	1,035	33.6%	439	20.0%	17.8%	20.3%	41.9%	
50-59	2,084	672	32.2%	480	16.5%	15.3%	21.7%	46.4%	
60+	819	254	31.0%	486	12.6%	15.4%	24.4%	47.6%	
TOTAL	8,927	3,034	34.0%	452	17.9%	17.0%	21.9%	43.2%	

**Table 10 – Viral Load Test Results for Adult/Adolescent HIV Cases Alive on 12/31/2011, by Age on 12/31/2011, Reported through 12/31/2012**

AGE ON 12/31/2011	Adult/Adolescent Total Living HIV Cases				
	No.	Recent Viral Load Test Result			Median Unsuppressed
		No. with Test	% with Test	% Suppressed	
13-19	49	20	40.8%	40.0%	19,296
20-29	960	376	39.2%	51.6%	15,738
30-39	1,933	676	35.0%	71.7%	14,235
40-49	3,082	1,022	33.2%	75.3%	22,298
50-59	2,084	679	32.6%	80.4%	13,018
60+	819	245	29.9%	83.7%	32,368
TOTAL	8,927	3,018	33.8%	73.2%	16,316

**Adult/Adolescent Total Living HIV Cases:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Age on [date]:** Age group of living cases on the specified date.

**Recent CD4 Test Result:** The most recent CD4 test result reported in the 12 months prior to December 31<sup>st</sup> of the specified year.

**Median Count (Recent CD4):** Median CD4 count (cells per microliter) of the most recent CD4 test result reported in the 12 months prior to December 31<sup>st</sup> of the specified year

**CD4 Result Distribution (<200, 200-349, 350-499, 500+):** Percent of cases with a CD4 test distributed by their CD4 count results (cells per microliter).

**Recent Viral Load Test Result:** The most recent viral load test result reported in the 12 months prior to December 31<sup>st</sup> of the specified year.

**Percent Suppressed (Viral Load):** Percent of adult/adolescent total living HIV cases with a most recent viral load reported in the 12 months prior to December 31<sup>st</sup> of the specified year of less than 400 copies per milliliter.

**Median Unsuppressed (Viral Load):** Median unsuppressed viral load (copies per milliliter) among adult/adolescent living HIV cases with a most recent viral load test result reported in the 12 months prior to December 31<sup>st</sup> of the specified year of 400 copies per milliliter or greater.

## Section V – Adult/Adolescent Cases by Demographics

**Table 11 – Adult/Adolescent HIV Diagnoses during 2011, First CD4 Test Result, Percent Linked to Care, and Percent Late Diagnosis, by Sex at Birth, Race/Ethnicity and Country of Birth, Reported through 12/31/2012**

SEX AT BIRTH	Population Age 13+*	Adult/Adolescent Reported HIV Diagnoses							
		No.	% of Total	Rate	First CD4 Test Result			% Linked to Care	% Late Diagnosis
					No. with Test	% with Test	Median Count		
Male	923,108	340	66.3%	36.8	254	74.7%	292	61.2%	36.2%
Female	1,014,205	173	33.7%	17.1	134	77.5%	321	71.1%	35.3%
TOTAL	1,937,313	513	100.0%	26.5	388	75.6%	308	64.5%	35.9%

RACE/ETHNICITY	Population Age 13+*	Adult/Adolescent Reported HIV Diagnoses							
		No.	% of Total	Rate	First CD4 Test Result			% Linked to Care	% Late Diagnosis
					No. with Test	% with Test	Median Count		
Hispanic	254,133	51	9.9%	20.1	40	78.4%	244	70.6%	43.1%
Non-Hispanic	1,683,180	462	90.1%	27.4	348	75.3%	311	63.9%	35.1%
American Indian/ Alaska Native, only	4,776	1	0.2%	20.9	***	***	***	***	***
Asian, only	161,946	6	1.2%	3.7	***	***	***	***	***
Black, only	670,512	397	77.4%	59.2	296	74.6%	304	63.5%	35.3%
Native Hawaiian/Other Pacific Islander, only	1,031	0	0.0%	0.0	--	--	--	--	--
White, only	811,360	46	9.0%	5.7	36	78.3%	456	60.9%	30.4%
Multiracial/Other	33,556	12	2.3%	35.8	10	83.3%	167	83.3%	50.0%
TOTAL	1,937,313	513	100.0%	26.5	388	75.6%	308	64.5%	35.9%

COUNTRY OF BIRTH	Population Age 13+**	Adult/Adolescent Reported HIV Diagnoses							
		No.	% of Total	Rate	First CD4 Test Result			% Linked to Care	% Late Diagnosis
					No. with Test	% with Test	Median Count		
United States	1,410,802	343	66.9%	24.3	256	74.6%	289	61.5%	34.7%
Foreign-born	494,853	50	9.7%	10.1	41	82.0%	320	82.0%	56.0%
Africa	--	32	6.2%	--	27	84.4%	330	84.4%	56.3%
Asia	--	1	0.2%	--	***	***	***	***	***
Caribbean	--	4	0.8%	--	***	***	***	***	***
Central America	--	9	1.8%	--	8	88.9%	68	77.8%	77.8%
Other	--	4	0.8%	--	***	***	***	***	***
Unknown	--	120	23.4%	--	91	75.8%	346	65.8%	30.8%
TOTAL	1,905,655	513	100.0%	26.9	388	75.6%	308	64.5%	35.9%

\* Population data by sex at birth, age, and race/ethnicity are from the 2011 U.S. Census

\*\* Population data by country of birth are from the 2011 American Community Survey

\*\*\* Data withheld due to low population and/or case counts

**Adult/Adolescent Reported HIV Diagnoses:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an initial HIV diagnosis during the specified year.

**Population Age 13+:** Population greater than or equal to 13 years old, estimate for 7/1/2011.

**Rate:** A proportion used to represent risk for disease within a given population. It is calculated by dividing the number of diagnoses by the number of persons at risk (population estimate).

**First CD4 Test Result:** First reported CD4 test result obtained within 12 months following initial HIV diagnosis.

**Median Count (First CD4):** Median CD4 count (cells per microliter) of the first CD4 test result reported within 12 months following initial HIV diagnosis.

**Percent Linked to Care:** Percent of adult/adolescent reported HIV diagnoses with a CD4 or viral load test performed less than or equal to 3 months after their initial HIV diagnosis.

**Percent Late HIV Diagnosis (for HIV diagnoses):** Percent of adult/adolescent reported HIV diagnoses with an initial AIDS diagnosis less than or equal to 12 months after their initial HIV diagnosis.

**Table 12 – Adult/Adolescent AIDS Diagnoses during 2011, Mean Years from HIV Diagnosis and Percent Late HIV Diagnosis, by Sex at Birth, Race/Ethnicity and Country of Birth, Reported through 12/31/2012**

SEX AT BIRTH	Population Age 13+*	Adult/Adolescent Reported AIDS Diagnoses				
		No.	% of Total	Rate	Mean Years from HIV Diagnosis	% Late HIV Diagnosis
Male	923,108	154	63.4%	16.7	2.0	70.1%
Female	1,014,205	89	36.6%	8.8	2.4	64.0%
TOTAL	1,937,313	243	100.0%	12.5	2.2	67.9%

RACE/ETHNICITY	Population Age 13+*	Adult/Adolescent Reported AIDS Diagnoses				
		No.	% of Total	Rate	Mean Years from HIV Diagnosis	% Late HIV Diagnosis
Hispanic	254,133	25	10.3%	9.8	1.3	80.0%
Non-Hispanic	1,683,180	218	89.7%	13.0	2.3	66.5%
American Indian/ Alaska Native, only	4,776	1	0.4%	20.9	***	***
Asian, only	161,946	2	0.8%	1.2	***	***
Black, only	670,512	192	79.0%	28.6	2.3	65.6%
Native Hawaiian/Other Pacific Islander, only	1,031	0	0.0%	--	--	--
White, only	811,360	14	5.8%	1.7	0.6	85.7%
Multiracial/Other	33,556	9	3.7%	26.8	4.9	55.6%
TOTAL	1,937,313	243	100.0%	12.5	2.2	67.9%

COUNTRY OF BIRTH	Population Age 13+**	Adult/Adolescent Reported AIDS Diagnoses				
		No.	% of Total	Rate	Mean Years from HIV Diagnosis	% Late HIV Diagnosis
United States	1,410,802	171	70.4%	12.1	2.8	59.6%
Foreign-born	494,853	33	13.6%	6.7	1.0	81.8%
Africa	--	20	8.2%	--	1.1	85.0%
Asia	--	2	0.8%	--	***	***
Caribbean	--	2	0.8%	--	***	***
Central America	--	8	3.3%	--	0.4	87.5%
Other	--	1	0.4%	--	***	***
Unknown	--	39	16.0%	--	0.5	92.3%
TOTAL	1,905,655	243	100.0%	12.8	2.2	67.9%

\* Population data by sex at birth, age, and race/ethnicity are from the 2011 U.S. Census

\*\* Population data by country of birth are from the 2011 American Community Survey

\*\*\* Data withheld due to low population and/or case counts

**Adult/Adolescent Reported AIDS Diagnoses:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an initial AIDS diagnosis during the specified year.

**Population Age 13+:** Population greater than or equal to 13 years old, estimate for 7/1/2011.

**Rate:** A proportion used to represent risk for disease within a given population. It is calculated by dividing the number of diagnoses by the number of persons at risk (population estimate).

**Mean Years from HIV Diagnosis (to AIDS Diagnosis):** Mean number of years from initial HIV diagnosis to initial AIDS diagnosis for cases with a reported AIDS diagnosis.

**Percent Late HIV Diagnosis (for AIDS diagnoses):** Percent of adult/adolescent reported AIDS diagnoses with an initial HIV diagnosis less than or equal to 12 months prior to their initial AIDS diagnosis.

**Table 13 – Adult/Adolescent Living HIV Cases with and without AIDS by Sex at Birth, Race/Ethnicity, and Country of Birth, Alive on 12/31/2011 and Reported through 12/31/2012**

SEX AT BIRTH	Population Age 13+*	Adult/Adolescent Living HIV Cases without AIDS			Adult/Adolescent Living HIV Cases with AIDS			Adult/Adolescent Total Living HIV Cases			
		No.	%	Rate	No.	%	Rate	No.	%	Rate	Ratio (1 in X)
Male	923,108	2,393	59.8%	259.2	3,091	62.8%	334.8	5,484	61.4%	594.1	168
Female	1,014,205	1,611	40.2%	158.8	1,832	37.2%	180.6	3,443	38.6%	339.5	294
Total	1,937,313	4,004	100.0%	206.7	4,923	100.0%	254.1	8,927	100.0%	460.8	217

RACE/ ETHNICITY	Population Age 13+*	Adult/Adolescent Living HIV Cases without AIDS			Adult/Adolescent Living HIV Cases with AIDS			Adult/Adolescent Total Living HIV Cases			
		No.	%	Rate	No.	%	Rate	No.	%	Rate	Ratio (1 in X)
Hispanic	254,133	285	7.1%	112.1	439	8.9%	172.7	724	8.1%	284.9	351
Non-Hispanic	1,683,180	3,719	92.9%	221.0	4,484	91.1%	266.4	8,203	91.9%	487.4	205
American Indian/Alaska Native, only	4,776	5	0.1%	104.7	1	0.0%	20.9	6	0.1%	125.6	796
Asian, only	161,946	39	1.0%	24.1	30	0.6%	18.5	69	0.8%	42.6	2,347
Black, only	670,512	3,115	77.8%	464.6	3,750	76.2%	559.3	6,865	76.9%	1,023.8	97
Native Hawaiian/ Other Pacific Islander, only	1,031	5	0.1%	485.0	4	0.1%	388.0	9	0.1%	872.9	114
White, only	811,360	488	12.2%	60.1	570	11.6%	70.3	1,058	11.9%	130.4	766
Multiracial/Other	33,556	67	1.7%	199.7	129	2.6%	384.4	196	2.2%	584.1	171
TOTAL	1,937,313	4,004	100.0%	206.7	4,923	100.0%	254.1	8,927	100.0%	460.8	217

COUNTRY OF BIRTH	Population Age 13+**	Adult/Adolescent Living HIV Cases without AIDS			Adult/Adolescent Living HIV Cases with AIDS			Adult/Adolescent Total Living HIV Cases			
		No.	%	Rate	No.	%	Rate	No.	%	Rate	Ratio (1 in X)
United States	1,410,802	3,237	80.8%	229.4	3,808	77.4%	269.9	7,045	78.9%	499.4	200
Foreign-born	494,853	564	14.1%	114.0	1,040	21.1%	210.2	1,604	18.0%	324.1	308
Africa	--	338	8.4%	--	653	13.3%	--	991	11.1%	--	--
Asia	--	22	0.5%	--	28	0.6%	--	50	0.6%	--	--
Caribbean	--	36	0.9%	--	79	1.6%	--	115	1.3%	--	--
Central America	--	69	1.7%	--	170	3.5%	--	239	2.7%	--	--
Other	--	99	2.5%	--	110	2.2%	--	209	2.3%	--	--
Unknown	--	203	5.1%	--	75	1.5%	--	278	3.1%	--	--
TOTAL	1,905,655	4,004	100.0%	210.1	4,923	100.0%	258.3	8,927	100.0%	468.4	213

\* Population data by sex at birth, age, and race/ethnicity are from the 2011 U.S. Census

\*\* Population data by country of birth are from the 2011 American Community Survey

**Population Age 13+:** Population greater than or equal to 13 years old, estimate for 7/1/2011.

**Adult/Adolescent Living HIV Cases without AIDS:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, without an AIDS diagnosis, and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Adult/Adolescent Living HIV Cases with AIDS:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an AIDS diagnosis, and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Adult/Adolescent Total Living HIV Cases:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Rate:** A proportion used to represent risk for disease within a given population. It is calculated by dividing the number of diagnoses by the number of persons at risk (population estimate).

**Ratio (1 in X):** Number of people for every 1 living HIV case in the population, or 1 living HIV case in every X number of people.

**Table 14 –Adult/Adolescent Total Living HIV Cases, Recent CD4 Test Results, by Sex at Birth, Race/Ethnicity and Country of Birth, Alive on 12/31/2011 and Reported through 12/31/2012**

SEX AT BIRTH	Adult/Adolescent Total Living HIV Cases							
	No.	Recent CD4 Test Result						500+
		No. with Test	% with Test	Median Count	<200	200-349	350-499	
Male	5,484	1,811	33.0%	439	19.6%	17.7%	21.5%	41.2%
Female	3,443	1,223	35.5%	473	15.4%	16.0%	22.4%	46.2%
TOTAL	8,927	3,034	34.0%	452	17.9%	17.0%	21.9%	43.2%

RACE/ETHNICITY	Adult/Adolescent Total Living HIV Cases							
	No.	Recent CD4 Test Result						500+
		No. with Test	% with Test	Median Count	<200	200-349	350-499	
Hispanic	724	262	36.2%	442	18.7%	19.1%	20.6%	41.6%
Non-Hispanic	8,203	2,772	33.8%	453	17.8%	16.8%	22.0%	43.4%
American Indian/ Alaska Native, only	6	***	***	***	***	***	***	***
Asian, only	69	14	20.3%	425	14.3%	14.3%	28.6%	42.9%
Black, only	6,865	2,361	34.4%	443	17.9%	17.3%	22.4%	42.4%
Native Hawaiian/Other Pacific Islander, only	9	***	***	***	***	***	***	***
White, only	1,058	289	27.3%	509	15.6%	13.8%	19.4%	51.2%
Multiracial/Other	196	103	52.6%	406	23.3%	16.5%	17.5%	42.7%
TOTAL	8,927	3,034	34.0%	452	17.9%	17.0%	21.9%	43.2%

COUNTRY OF BIRTH	Adult/Adolescent Total Living HIV Cases							
	No.	Recent CD4 Test Result						500+
		No. with Test	% with Test	Median Count	<200	200-349	350-499	
United States	7,045	2,229	31.6%	449	18.9%	16.8%	21.1%	43.2%
Foreign-born	1,604	648	40.4%	484	13.3%	15.9%	24.8%	46.0%
Africa	991	425	42.9%	481	12.9%	16.7%	25.9%	44.5%
Asia	50	19	38.0%	534	21.1%	0.0%	21.1%	57.9%
Caribbean	115	44	38.3%	549	11.4%	11.4%	18.2%	59.1%
Central America	239	91	38.1%	442	17.6%	18.7%	28.6%	35.2%
Other	209	69	33.0%	528	8.7%	14.5%	18.8%	58.0%
Unknown	278	157	56.5%	369	22.3%	24.8%	20.4%	32.5%
TOTAL	8,927	3,034	34.0%	452	17.9%	17.0%	21.9%	43.2%

\*\*\* Data withheld due to low population counts and/or case counts

**Adult/Adolescent Total Living HIV Cases:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Recent CD4 Test Result:** The most recent CD4 test result reported in the 12 months prior to December 31<sup>st</sup> of the specified year.

**Median Count (Recent CD4):** Median CD4 count (cells per microliter) of the most recent CD4 test result reported in the 12 months prior to December 31<sup>st</sup> of the specified year.

**CD4 Result Distribution (<200, 200-349, 350-499, 500+):** Percent of cases with a CD4 test distributed by their CD4 count results (cells per microliter).

**Table 15 – Adult/Adolescent Total Living HIV Cases, Recent Viral Load Test Results, by Sex at Birth, Race/Ethnicity and Country of Birth, Alive on 12/31/2011 and Reported through 12/31/2012**

SEX AT BIRTH	Adult/Adolescent Total Living HIV Cases				
	No.	Recent Viral Load Test Result			
		No. with Test	% with Test	% Suppressed	Median Unsuppressed
Male	5,484	1,797	32.8%	71.5%	17,074
Female	3,443	1,221	35.5%	75.6%	14,848
TOTAL	8,927	3,018	33.8%	73.2%	16,316

RACE/ETHNICITY	Adult/Adolescent Total Living HIV Cases				
	No.	Recent Viral Load Test Result			
		No. with Test	% with Test	% Suppressed	Median Unsuppressed
Hispanic	724	259	35.8%	74.9%	13,210
Non-Hispanic	8,203	2,759	33.6%	73.0%	16,482
American Indian/ Alaska Native, only	6	***	***	***	***
Asian, only	69	13	18.8%	61.5%	13,938
Black, only	6,865	2,375	34.6%	72.2%	16,045
Native Hawaiian/ Other Pacific Islander, only	9	***	***	***	***
White, only	1,058	271	25.6%	82.7%	24,035
Multiracial/Other	196	96	49.0%	66.7%	19,432
TOTAL	8,927	3,018	33.8%	73.2%	16,316

COUNTRY OF BIRTH	Adult/Adolescent Total Living HIV Cases				
	No.	Recent Viral Load Test Result			
		No. with Test	% with Test	% Suppressed	Median Unsuppressed
United States	7,045	2,228	31.6%	71.4%	19,741
Foreign-born	1,604	635	39.6%	82.0%	8,560
Africa	991	417	42.1%	83.5%	9,355
Asia	50	17	34.0%	76.5%	100,847
Caribbean	115	45	39.1%	68.9%	4,569
Central America	239	87	36.4%	82.8%	9,196
Other	209	69	33.0%	82.6%	5,390
Unknown	278	155	55.8%	62.6%	15,004
TOTAL	8,927	3,018	33.8%	73.2%	16,316

\*\*\* Data withheld due to low population counts and/or case counts

**Adult/Adolescent Total Living HIV Cases:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31<sup>st</sup> of the specified year.

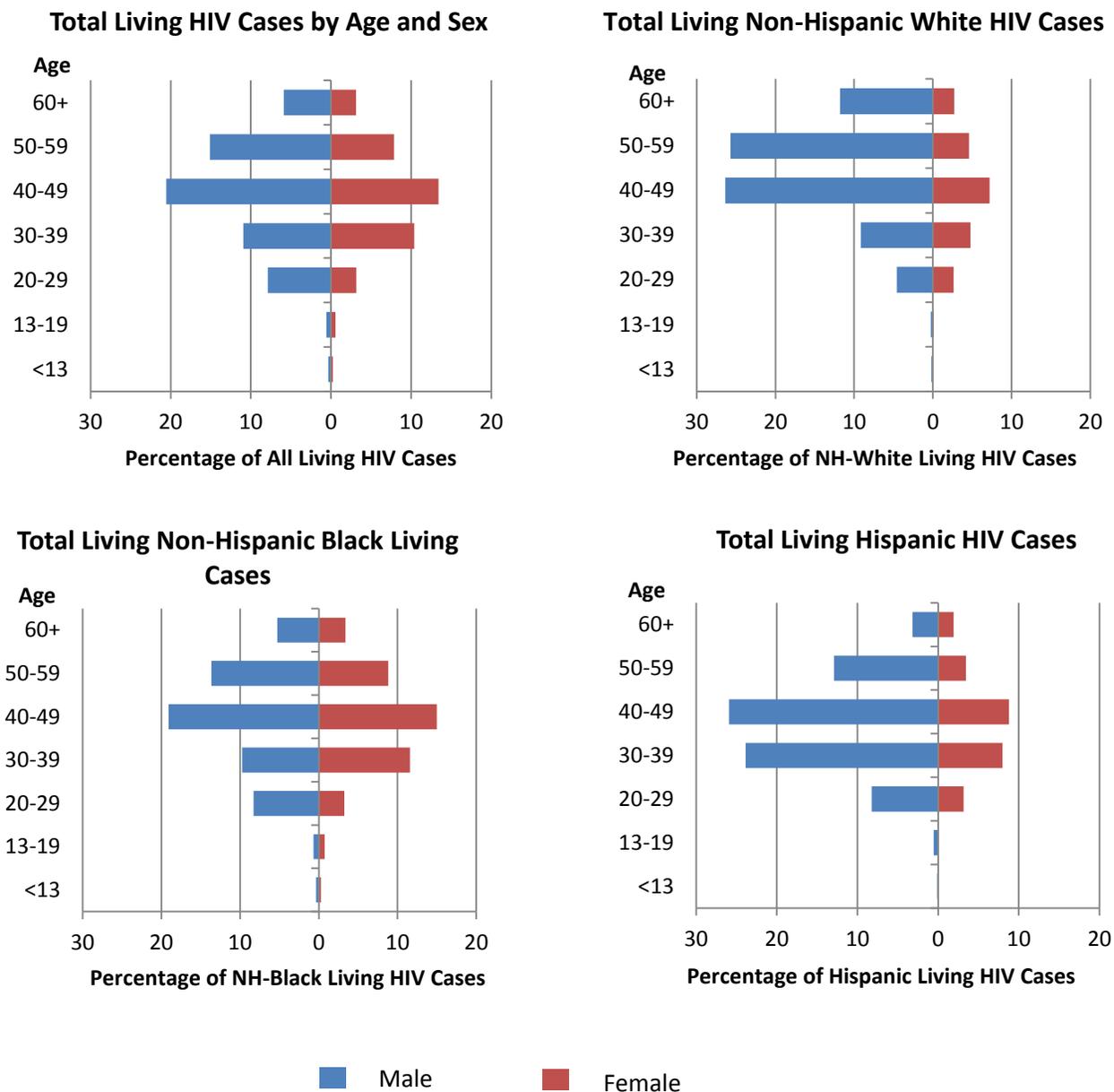
**Recent Viral Load Test Result:** The most recent viral load test result reported in the 12 months prior to December 31<sup>st</sup> of the specified year.

**Percent Suppressed (Viral Load):** Percent of adult/adolescent total living HIV cases with a most recent viral load reported in the 12 months prior to December 31<sup>st</sup> of the specified year of less than 400 copies per milliliter.

**Median Unsuppressed (Viral Load):** Median unsuppressed viral load (copies per milliliter) among adult/adolescent living HIV cases with a most recent viral load test result reported in the 12 months prior to December 31<sup>st</sup> of the specified year of 400 copies per milliliter or greater.

## Section VI – HIV Cases by Expanded Demographics

**Figure 8 – Population Pyramids of Total Living HIV Cases by Current Age, Sex at Birth, and Race/Ethnicity, Alive on 12/31/2011 and Reported through 12/31/2012**



**Total Living HIV Cases:** Reported HIV diagnoses with or without an AIDS diagnosis and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Table 16 – Total Living Male HIV Cases by Current Age and Race/Ethnicity, Alive on 12/31/2011 and Reported through 12/31/2012**

MALES						
AGE ON 12/31/2011		RACE/ETHNICITY				TOTAL MALES BY AGE GROUP
		Hispanic	Non-Hispanic Black, only	Non-Hispanic White, only	Non-Hispanic Other Race	
<13 (Pediatric)	Population	40,245	71,883	65,800	25,568	203,496
	Cases	1	24	2	2	29
	Rate	2.5	33.4	3.0	7.8	14.3
	Ratio (1 in X)	40,245	2,995	32,900	12,784	7,017
13-19	Population	17,891	43,580	41,722	12,290	115,483
	Cases	4	46	3	1	54
	Rate	22.4	105.6	7.2	8.1	46.8
	Ratio (1 in X)	4,472	947	13,907	12,290	2,138
20-29	Population	33,873	52,965	55,178	16,057	158,073
	Cases	60	579	49	28	716
	Rate	177.1	1,093.2	88.8	174.4	453.0
	Ratio (1 in X)	564	91	1,126	573	220
30-39	Population	35,129	48,786	49,736	17,871	151,522
	Cases	174	680	98	42	994
	Rate	495.3	1,393.8	197.0	235.0	656.0
	Ratio (1 in X)	201	71	507	425	152
40-49	Population	24,145	59,916	69,264	16,943	170,268
	Cases	189	1,335	282	59	1,865
	Rate	782.8	2,228.1	407.1	348.2	1,095.3
	Ratio (1 in X)	127	44	245	287	91
50-59	Population	13,310	49,964	79,017	14,345	156,636
	Cases	94	954	275	47	1,370
	Rate	706.2	1,909.4	348.0	327.6	874.6
	Ratio (1 in X)	141	52	287	305	114
60+	Population	8,424	47,462	99,299	15,941	171,126
	Cases	23	370	126	17	536
	Rate	273.0	779.6	126.9	106.6	313.2
	Ratio (1 in X)	366	128	788	937	319
TOTAL MALES BY RACE/ETHNICITY	Population	173,017	374,556	460,016	119,015	1,126,604
	Cases	545	3,988	835	196	5,564
	Rate	315.0	1,064.7	181.5	164.7	493.9
	Ratio (1 in X)	317	93	550	607	202

**Age on [date]:** Age group of living cases on the specified date.

**Total Living HIV Cases:** Reported HIV diagnoses with or without an AIDS diagnosis and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Population:** Population estimate for 7/1/2011.

**Rate:** A proportion used to represent risk for disease within a given population. It is calculated by dividing the number of diagnoses by the number of persons at risk (population estimate).

**Ratio (1 in X):** Number of people for every 1 living HIV case in the population, or 1 living HIV case in every X number of people.

**Table 17 – Total Living Female HIV Cases by Current Age and Race/Ethnicity, Alive on 12/31/2011 and Reported through 12/31/2012**

FEMALES						
AGE ON 12/31/2011		RACE/ETHNICITY				TOTAL FEMALES BY AGE GROUP
		Hispanic	Non-Hispanic Black, only	Non-Hispanic White, only	Non-Hispanic, Other Race	
<13 (Pediatric)	Population	38,293	69,359	62,788	24,909	195,349
	Cases	0	19	0	1	20
	Rate	0.0	27.4	0.0	4.0	10.2
	Ratio (1 in X)	--	3,650	--	24,909	9,767
13-19	Population	16,684	42,128	38,296	12,000	109,108
	Cases	0	51	1	0	52
	Rate	0.0	121.1	2.6	0.0	47.7
	Ratio (1 in X)	--	826	38,296	--	2,098
20-29	Population	27,465	58,260	52,495	16,985	155,205
	Cases	23	227	28	7	285
	Rate	83.7	389.6	53.3	41.2	183.6
	Ratio (1 in X)	1,194	256	1,874	2,426	544
30-39	Population	29,067	61,699	51,599	21,378	163,743
	Cases	58	809	51	23	941
	Rate	199.5	1,311.2	98.8	107.6	574.7
	Ratio (1 in X)	501	76	1,011	929	174
40-49	Population	22,124	74,286	72,897	20,666	189,973
	Cases	64	1,047	77	30	1,218
	Rate	289.3	1,409.4	105.6	145.2	641.1
	Ratio (1 in X)	345	70	946	688	155
50-59	Population	14,004	63,645	81,208	17,359	176,216
	Cases	25	618	49	22	714
	Rate	178.5	971.0	60.3	126.7	405.2
	Ratio (1 in X)	560	102	1,657	789	246
60+	Population	12,017	67,821	120,649	19,473	219,960
	Cases	14	236	29	5	284
	Rate	116.5	348.0	24.0	25.7	129.1
	Ratio (1 in X)	858	287	4,160	3,894	774
TOTAL FEMALES BY RACE/ETHNICITY	Population	159,654	437,198	479,932	132,770	1,209,554
	Cases	184	3,007	235	88	3,514
	Rate	115.2	687.8	49.0	66.3	290.5
	Ratio (1 in X)	867	145	2,042	1,508	344

**Age on [date]:** Age group of living cases on the specified date.

**Total Living HIV Cases:** Reported HIV diagnoses with or without an AIDS diagnosis and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Population:** Population estimate for 7/1/2011.

**Rate:** A proportion used to represent risk for disease within a given population. It is calculated by dividing the number of diagnoses by the number of persons at risk (population estimate).

**Ratio (1 in X):** Number of people for every 1 living HIV case in the population, or 1 living HIV case in every X number of people.

## Section VII – HIV Exposure Category

**Table 18 – Adult/Adolescent HIV Diagnoses during 2011, First CD4 Test Result, Percent Linked to Care, and Percent Late Diagnosis, by Exposure Category and Sex at Birth, Reported through 12/31/2012**

EXPOSURE CATEGORY	Adult/Adolescent Reported HIV Diagnoses					
	No.	% of Total with Exposure	First CD4 Test Result		% Linked to Care	% Late Diagnosis
			% with Test	Median Count		
With Exposure	168	100.0%	86.9%	307	76.2%	42.3%
Men who have Sex with Men (MSM)	92	54.8%	82.6%	359	70.7%	31.5%
Injection Drug Users (IDU)	***	***	***	***	***	***
Men who have Sex with Men and Inject Drugs (MSM/IDU)	0	0.0%	--	--	--	--
Heterosexual Exposure (HET)	***	***	***	***	***	***
Other Exposures	0	0.0%	--	--	--	--
No Reported Exposure	345		70.1%	308	58.8%	32.8%
TOTAL	513		75.6%	308	64.5%	35.9%

MALES EXPOSURE CATEGORY	Adult/Adolescent Reported HIV Diagnoses					
	No.	% of Total with Exposure	First CD4 Test Result		% Linked to Care	% Late Diagnosis
			% with Test	Median Count		
With Exposure	125	100.0%	84.0%	321	74.4%	40.0%
Men who have Sex with Men (MSM)	92	73.6%	82.6%	359	70.7%	31.5%
Injection Drug Users (IDU)	0	0.0%	--	--	--	--
Men who have Sex with Men and Inject Drugs (MSM/IDU)	0	0.0%	--	--	--	--
Heterosexual Exposure (HET)	33	26.4%	87.9%	137	84.8%	63.6%
Other Exposures	0	0.0%	--	--	--	--
No Reported Exposure	215		69.3%	287	53.5%	34.0%
TOTAL	340		74.7%	292	61.2%	36.2%

FEMALES EXPOSURE CATEGORY	Adult/Adolescent Reported HIV Diagnoses					
	No.	% of Total with Exposure	First CD4 Test Result		% Linked to Care	% Late Diagnosis
			% with Test	Median Count		
With Exposure	43	100.0%	95.3%	272	81.4%	48.8%
Injection Drug Users (IDU)	***	***	***	***	***	***
Heterosexual Exposure (HET)	***	***	***	***	***	***
Other Exposures	0	0.0%	--	--	--	--
No Reported Exposure	130		71.5%	333	67.7%	30.8%
TOTAL	173		77.5%	321	71.1%	35.3%

\*\*\* Data withheld due to low population and/or case counts

**Adult/Adolescent Reported HIV Diagnoses:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an initial HIV diagnosis during the specified year.

**First CD4 Test Result:** First reported CD4 test result obtained within 12 months following initial HIV diagnosis.

**Median Count (First CD4):** Median CD4 count (cells per microliter) of the first CD4 test result reported within 12 months following initial HIV diagnosis.

**Percent Linked to Care:** Percent of adult/adolescent reported HIV diagnoses with a CD4 or viral load test performed less than or equal to 3 months after their initial HIV diagnosis.

**Percent Late HIV Diagnosis (for HIV diagnoses):** Percent of adult/adolescent reported HIV diagnoses with an initial AIDS diagnosis less than or equal to 12 months after their initial HIV diagnosis.

**Table 19 – Adult/Adolescent AIDS Diagnoses during 2011, Mean Years from HIV Diagnosis and Percent Late HIV Diagnosis, by Exposure Category and Sex at Birth, Reported through 12/31/2012**

EXPOSURE CATEGORY	Adult/Adolescent Reported AIDS Diagnoses			
	No.	% of Total with Exposure	Mean Years from HIV Diagnosis	% Late HIV Diagnosis
With Exposure	95	100.0%	2.6	66.3%
Men who have Sex with Men (MSM)	37	38.9%	3.1	62.2%
Injection Drug Users (IDU)	6	6.3%	6.3	33.3%
Men who have Sex with Men and Inject Drugs (MSM/IDU)	0	0.0%	--	--
Heterosexual Exposure (HET)	52	54.7%	1.9	73.1%
Other Exposures	0	0.0%	--	--
No Reported Exposure	148		1.9	68.9%
TOTAL	243		2.2	67.9%

MALE EXPOSURE CATEGORY	Adult/Adolescent Reported AIDS Diagnoses			
	No.	% of Total with Exposure	Mean Years from HIV Diagnosis	% Late HIV Diagnosis
With Exposure	65	100.0%	2.8	64.6%
Men who have Sex with Men (MSM)	37	56.9%	3.1	62.2%
Injection Drug Users (IDU)	5	7.7%	7.5	20.0%
Men who have Sex with Men and Inject Drugs (MSM/IDU)	0	0.0%	--	--
Heterosexual Exposure (HET)	23	35.4%	1.4	78.3%
Other Exposures	0	0.0%	--	--
No Reported Exposure	89		1.4	74.2%
TOTAL	154		2.0	70.1%

FEMALE EXPOSURE CATEGORY	Adult/Adolescent Reported AIDS Diagnoses			
	No.	% of Total with Exposure	Mean Years from HIV Diagnosis	% Late HIV Diagnosis
With Exposure	30	100.0%	2.2	70.0%
Injection Drug Users (IDU)	***	***	***	***
Heterosexual Exposure (HET)	***	***	***	***
Other Exposures	0	0.0%	--	--
No Reported Exposure	59		2.6	61.0%
TOTAL	89		2.4	64.0%

\*\*\* Data withheld due to low population and/or case counts

**Adult/Adolescent Reported AIDS Diagnoses:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an initial AIDS diagnosis during the specified year.

**Mean Years from HIV Diagnosis (to AIDS Diagnosis):** Mean number of years from initial HIV diagnosis to initial AIDS diagnosis for cases with a reported AIDS diagnosis.

**Percent Late HIV Diagnosis (for AIDS diagnoses):** Percent of adult/adolescent reported AIDS diagnoses with an initial HIV diagnosis less than or equal to 12 months prior to their initial AIDS diagnosis.

**Table 20 – Adult/Adolescent Living HIV Cases with and without AIDS by Exposure Category and Sex at Birth, Alive on 12/31/2011 and Reported through 12/31/2012**

EXPOSURE CATEGORY	Adult/Adolescent Living HIV Cases without AIDS		Adult/Adolescent Living HIV Cases with AIDS		Adult/Adolescent Total Living HIV Cases	
	No.	% of Total with Exposure	No.	% of Total with Exposure	No.	% of Total with Exposure
With Exposure	2,054	100.0%	3,672	100.0%	5,726	100.0%
Men who have Sex with Men (MSM)	917	44.6%	1,308	35.6%	2,225	38.9%
Injection Drug Users (IDU)	130	6.3%	443	12.1%	573	10.0%
Men who have Sex with Men and Inject Drugs (MSM/IDU)	32	1.6%	105	2.9%	137	2.4%
Heterosexual Exposure (HET)	967	47.1%	1,795	48.9%	2,762	48.2%
Other Exposures	8	0.4%	21	0.6%	29	0.5%
No Reported Exposure*	1,950		1,251		3,201	
TOTAL	4,004		4,923		8,927	

MALES EXPOSURE CATEGORY	Adult/Adolescent Living HIV Cases without AIDS		Adult/Adolescent Living HIV Cases with AIDS		Adult/Adolescent Total Living HIV Cases	
	No.	% of Total with Exposure	No.	% of Total with Exposure	No.	% of Total with Exposure
With Exposure	1,347	100.0%	2,384	100.0%	3,731	100.0%
Men who have Sex with Men (MSM)	917	68.1%	1,308	54.9%	2,225	59.6%
Injection Drug Users (IDU)	80	5.9%	273	11.5%	353	9.5%
Men who have Sex with Men and Inject Drugs (MSM/IDU)	32	2.4%	105	4.4%	137	3.7%
Heterosexual Exposure (HET)	316	23.5%	687	28.8%	1,003	26.9%
Other Exposures	2	0.1%	11	0.5%	13	0.3%
No Reported Exposure	1,046		707		1,753	
TOTAL	2,393		3,091		5,484	

FEMALES EXPOSURE CATEGORY	Adult/Adolescent Living HIV Cases without AIDS		Adult/Adolescent Living HIV Cases with AIDS		Adult/Adolescent Total Living HIV Cases	
	No.	% of Total with Exposure	No.	% of Total with Exposure	No.	% of Total with Exposure
With Exposure	707	100.0%	1,288	100.0%	1,995	100.0%
Injection Drug Users (IDU)	50	7.1%	170	13.2%	220	11.0%
Heterosexual Exposure (HET)	651	92.1%	1,108	86.0%	1,759	88.2%
Other Exposures	6	0.8%	10	0.8%	16	0.8%
No Reported Exposure*	904		544		1,448	
TOTAL	1,611		1,832		3,443	

\* Includes 14 HIV cases without AIDS and 26 HIV cases with AIDS with Presumed Female Heterosexual exposure

**Adult/Adolescent Living HIV Cases without AIDS:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, without an AIDS diagnosis, and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Adult/Adolescent Living HIV Cases with AIDS:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an AIDS diagnosis, and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Adult/Adolescent Total Living HIV Cases:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Table 21 – Adult/Adolescent Total Living HIV Cases by Exposure Category, Race/Ethnicity, and Sex at Birth, Alive on 12/31/2011 and Reported through 12/31/2012**

EXPOSURE CATEGORY	Adult/Adolescent Total Living HIV Cases					
	Race/Ethnicity					
	Hispanic		Non-Hispanic, Black, only		Non-Hispanic, White, only	
	No.	% of Total with Exposure	No.	% of Total with Exposure	No.	% of Total with Exposure
With Exposure	519	100.0%	4,260	100.0%	750	100.0%
Men who have Sex with Men (MSM)	208	40.1%	1,415	33.2%	503	67.1%
Injection Drug Users (IDU)	27	5.2%	439	10.3%	80	10.7%
Men who have Sex with Men and Inject Drugs (MSM/IDU)	11	2.1%	94	2.2%	25	3.3%
Heterosexual Exposure (HET)	272	52.4%	2,294	53.8%	132	17.6%
Other Exposures	1	0.2%	18	0.4%	10	1.3%
No Reported Exposure*	205		2,605		308	
TOTAL	724		6,865		1,058	

MALES EXPOSURE CATEGORY	Adult/Adolescent Total Living HIV Cases					
	Race/Ethnicity					
	Hispanic		Non-Hispanic, Black, only		Non-Hispanic, White, only	
	No.	% of Total with Exposure	No.	% of Total with Exposure	No.	% of Total with Exposure
With Exposure	390	100.0%	2,569	100.0%	631	100.0%
Men who have Sex with Men (MSM)	208	53.3%	1,415	55.1%	503	79.7%
Injection Drug Users (IDU)	21	5.4%	268	10.4%	48	7.6%
Men who have Sex with Men and Inject Drugs (MSM/IDU)	11	2.8%	94	3.7%	25	4.0%
Heterosexual Exposure (HET)	149	38.2%	787	30.6%	48	7.6%
Other Exposures	1	0.3%	5	0.2%	7	1.1%
No Reported Exposure	151		1,353		197	
TOTAL	541		3,922		828	

FEMALES EXPOSURE CATEGORY	Adult/Adolescent Total Living HIV Cases					
	Race/Ethnicity					
	Hispanic		Non-Hispanic, Black, only		Non-Hispanic, White, only	
	No.	% of Total with Exposure	No.	% of Total with Exposure	No.	% of Total with Exposure
With Exposure	129	100.0%	1,691	100.0%	119	100.0%
Injection Drug Users (IDU)	6	4.7%	171	10.1%	32	26.9%
Heterosexual Exposure (HET)	123	95.3%	1,507	89.1%	84	70.6%
Other Exposures	0	0.0%	13	0.8%	3	2.5%
No Reported Exposure*	54		1,252		111	
TOTAL	183		2,943		230	

\* Includes 2 Hispanic cases, 35 non-Hispanic black cases, and 2 non-Hispanic white cases with Presumed Female Heterosexual exposure

**Adult/Adolescent Total Living HIV Cases:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Table 22 – Adult/Adolescent Total Living HIV Cases, Recent CD4 Test Results by Exposure Category, Alive on 12/31/2011 and Reported through 12/31/2012**

EXPOSURE CATEGORY	Adult/Adolescent Total Living HIV Cases							
	No.	Recent CD4 Test Result						500+
		No. with Test	% with Test	Median Count	<200	200-349	350-499	
With Exposure	5,726	1,999	34.9%	457	16.8%	17.2%	22.7%	43.3%
Men who have Sex with Men (MSM)	2,225	719	32.3%	457	15.4%	18.9%	22.3%	43.4%
Injection Drug Users (IDU)	573	166	29.0%	386	27.7%	15.7%	21.1%	35.5%
Men who have Sex with Men and Inject Drugs (MSM/IDU)	137	42	30.7%	387	23.8%	21.4%	23.8%	31.0%
Heterosexual Exposure (HET)	2,762	1,065	38.6%	474	15.8%	16.1%	23.3%	44.9%
Other Exposures	29	7	24.1%	539	14.3%	14.3%	14.3%	57.1%
No Reported Exposure*	3,201	1,035	32.3%	442	20.0%	16.8%	20.2%	43.0%
TOTAL	8,927	3,034	34.0%	452	17.9%	17.0%	21.9%	43.2%

\* Includes 40 cases with Presumed Female Heterosexual exposure

**Table 23 – Adult/Adolescent Total Living HIV Cases, Recent Viral Load Test Results by Exposure Category, Alive on 12/31/2011 and Reported through 12/31/2012**

EXPOSURE CATEGORY	Adult/Adolescent Total Living HIV Cases				
	No.	Recent Viral Load Test Result			Median Unsuppressed
		No. with Test	% with Test	% Suppressed	
With Exposure	5,726	1,972	34.4%	75.3%	14,623
Men who have Sex with Men (MSM)	2,225	712	32.0%	72.1%	17,725
Injection Drug Users (IDU)	573	148	25.8%	70.9%	23,358
Men who have Sex with Men and Inject Drugs (MSM/IDU)	137	40	29.2%	72.5%	48,640
Heterosexual Exposure (HET)	2,762	1,065	38.6%	78.0%	12,150
Other Exposures	29	7	24.1%	85.7%	85,260
No Reported Exposure*	3,201	1,046	32.7%	69.2%	20,951
TOTAL	8,927	3,018	33.8%	73.2%	16,316

\* Includes 40 cases with Presumed Female Heterosexual exposure

**Adult/Adolescent Total Living HIV Cases:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Recent CD4 Test Result:** The most recent CD4 test result reported in the 12 months prior to December 31<sup>st</sup> of the specified year.

**Median Count (Recent CD4):** Median CD4 count (cells per microliter) of the most recent CD4 test result reported in the 12 months prior to December 31<sup>st</sup> of the specified year.

**CD4 Result Distribution (<200, 200-349, 350-499, 500+):** Percent of cases with a CD4 test distributed by their CD4 count results (cells per microliter).

**Recent Viral Load Test Result:** The most recent viral load test result reported in the 12 months prior to December 31<sup>st</sup> of the specified year.

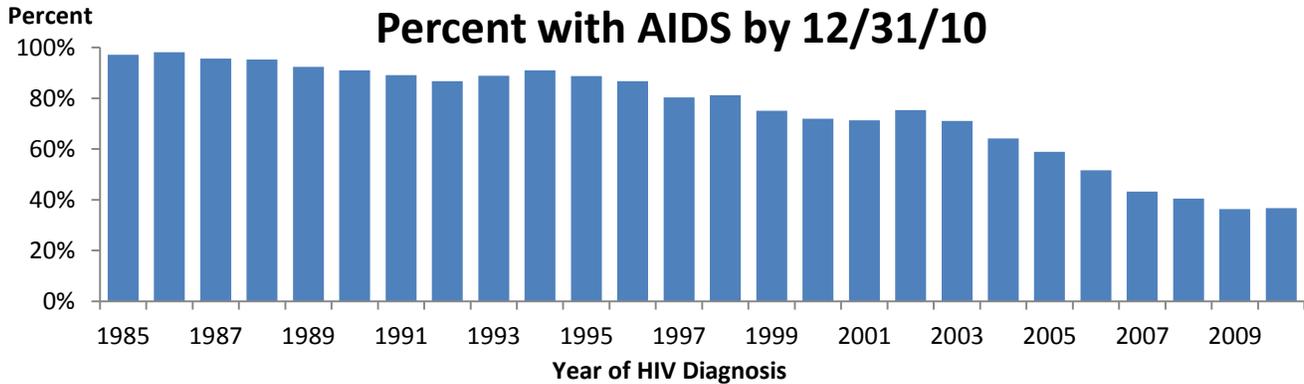
**Percent Suppressed (Viral Load):** Percent of adult/adolescent total living HIV cases with a most recent viral load reported in the 12 months prior to December 31<sup>st</sup> of the specified year of less than 400 copies per milliliter.

**Median Unsuppressed (Viral Load):** Median unsuppressed viral load (copies per milliliter) among adult/adolescent living HIV cases with a most recent viral load test result reported in the 12 months prior to December 31<sup>st</sup> of the specified year of 400 copies per milliliter or greater.

## Section VIII – Disease Progression and Mortality

**Figure 9 – Trends in Disease Progression by Year of HIV Diagnosis, 1985-2010, Reported through 12/31/2012**

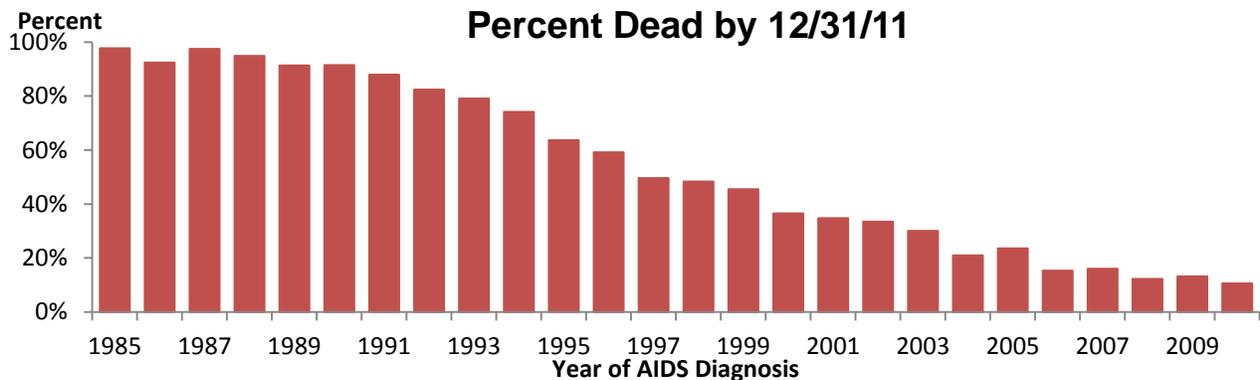
Number of Adult/Adolescent Reported HIV Cases, Age 13+ at HIV Diagnosis, with or without an AIDS Diagnosis by 12/31/2010 (Adult/Adolescent Reported HIV Diagnoses), Number of Adult/Adolescent Reported HIV Cases with an AIDS Diagnosis by 12/31/2011 (Reported AIDS Diagnoses), Percent by Year of HIV Diagnosis of Adult/Adolescent Reported HIV Diagnoses with a Reported AIDS Diagnosis by 12/31/2011, the Average Years from HIV Diagnosis to AIDS Diagnosis for Cases with an AIDS Diagnosis, and the Percent by Year of HIV Diagnosis of Reported Adult/Adolescent HIV Diagnoses with a Reported AIDS Diagnosis at 1 Year, 2 Years, 5 Years, and 10 Years after HIV Diagnosis, by Year of HIV Diagnosis from 1985 through 2010, as Reported by Name through 12/31/2012



YEAR OF HIV DIAGNOSIS	Adult/Adolescent Reported HIV Diagnoses							
	No.	Reported AIDS Diagnoses			Percent with AIDS by Years After HIV Diagnosis			
		No.	% with AIDS	Mean Years from HIV to AIDS	1 Year	2 Years	5 Years	10 Years
<1985	108	103	95.4%	6.3	49.1%	49.1%	52.8%	64.8%
1985	211	205	97.2%	5.6	42.7%	44.1%	49.8%	76.3%
1986	280	275	98.2%	4.7	42.9%	43.9%	53.9%	86.8%
1987	375	359	95.7%	3.4	50.7%	51.5%	66.4%	88.0%
1988	422	402	95.3%	2.9	50.2%	54.5%	74.6%	89.6%
1989	524	484	92.4%	2.7	51.1%	53.8%	74.4%	87.2%
1990	524	477	91.0%	2.4	50.0%	57.8%	76.0%	87.0%
1991	599	534	89.1%	2.2	52.4%	60.3%	77.5%	84.3%
1992	529	459	86.8%	2.5	50.7%	57.5%	72.6%	80.0%
1993	450	400	88.9%	1.9	60.2%	66.2%	76.7%	84.4%
1994	423	385	91.0%	1.5	67.8%	73.8%	80.1%	87.9%
1995	452	401	88.7%	1.5	65.3%	71.0%	76.8%	86.3%
1996	417	362	86.8%	1.6	63.3%	66.2%	76.0%	83.9%
1997	438	352	80.4%	1.4	61.4%	64.8%	71.0%	78.5%
1998	420	341	81.2%	1.6	59.8%	63.6%	70.2%	78.1%
1999	465	349	75.1%	1.2	59.8%	63.2%	67.7%	73.3%
2000	459	330	71.9%	1.2	56.0%	58.6%	65.1%	71.0%
2001	481	343	71.3%	1.1	55.3%	57.2%	65.7%	70.5%
2002	510	384	75.3%	0.7	64.1%	67.6%	72.9%	--
2003	575	409	71.1%	0.7	60.7%	63.1%	66.8%	--
2004	637	409	64.2%	0.7	55.4%	57.3%	60.3%	--
2005	638	376	58.9%	0.5	52.0%	53.9%	57.4%	--
2006	645	333	51.6%	0.6	43.4%	45.7%	50.1%	--
2007	898	388	43.2%	0.5	37.3%	38.4%	--	--
2008	859	348	40.5%	0.4	35.6%	37.6%	--	--
2009	634	231	36.4%	0.3	32.5%	34.2%	--	--
2010	596	219	36.7%	0.2	32.9%	--	--	--
TOTAL	13,569	9,658	71.2%	1.7	50.8%	54.2%	62.0%	68.5%

**Figure 10 – Trends in Survival Times by Year of AIDS Diagnosis, 1985-2010, Reported through 12/31/2012**

Number of Adult/Adolescent Reported HIV Cases, Age 13+ at HIV Diagnosis, with an AIDS Diagnosis by 12/31/10 (Adult/Adolescent Reported AIDS Diagnoses), Number of Adult/Adolescent Reported AIDS Diagnosis Reported to Have Died of Any Cause by 12/31/2011 (Reported AIDS Deaths), Percent by Year of AIDS Diagnosis of Adult/Adolescent Reported AIDS Diagnoses with a Reported AIDS Death (Percent Dead) by 12/31/2011, the Average Years from AIDS Diagnosis to Death for Cases that have Died, and the Percent by Year of AIDS Diagnosis of Adult/Adolescent Reported AIDS Diagnoses Not Reported to Have Died (Percent Alive) at 1 Year, 2 Years, 5 Years, and 10 Years after AIDS Diagnosis, by Year of AIDS Diagnosis from 1985 through 2010, as Reported by Name through 12/31/2012

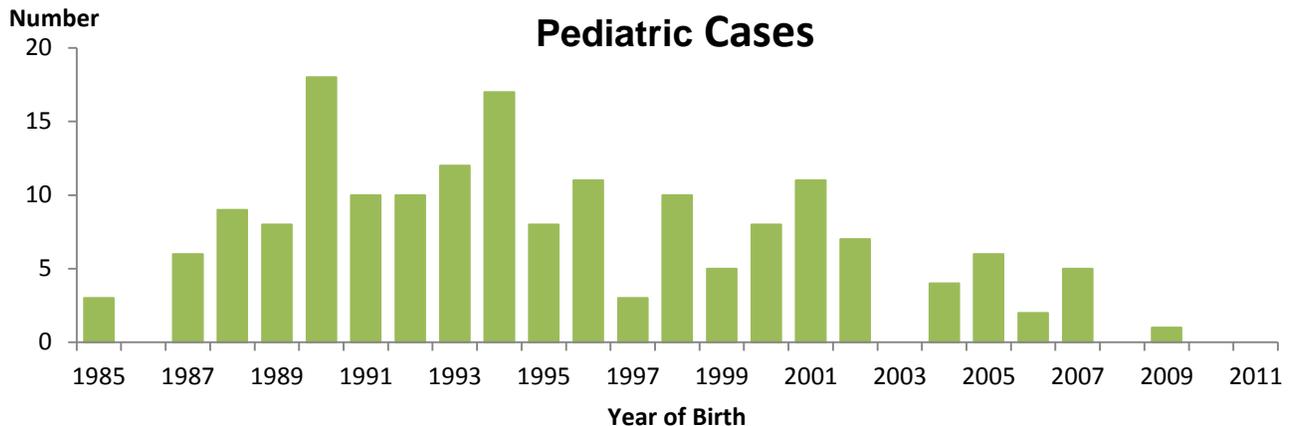


YEAR OF AIDS DIAGNOSIS	Adult/Adolescent Reported AIDS Diagnoses							
	No.	Reported AIDS Deaths			Percent Alive by Years After AIDS Diagnosis			
		No.	% Dead	Mean Years from AIDS to Death	1 Year	2 Years	5 Years	10 Years
<1985	59	59	100.0%	0.9	32.2%	6.8%	3.4%	0.0%
1985	88	86	97.7%	1.4	40.9%	15.9%	11.4%	3.4%
1986	119	110	92.4%	1.6	51.3%	31.9%	12.6%	9.2%
1987	198	193	97.5%	1.9	52.5%	28.8%	10.6%	6.1%
1988	216	205	94.9%	1.9	61.1%	35.6%	13.0%	6.9%
1989	291	266	91.4%	2.7	68.4%	50.2%	21.0%	13.1%
1990	307	281	91.5%	2.7	65.1%	48.9%	22.5%	14.0%
1991	381	335	87.9%	2.3	67.7%	51.2%	19.7%	14.7%
1992	467	385	82.4%	2.6	74.3%	53.5%	26.8%	21.8%
1993	494	391	79.1%	2.8	72.7%	57.3%	33.8%	26.1%
1994	528	392	74.2%	2.8	75.2%	54.7%	40.2%	30.1%
1995	515	328	63.7%	3.6	74.2%	64.9%	54.6%	43.3%
1996	451	267	59.2%	4.4	80.9%	74.9%	64.5%	49.7%
1997	377	187	49.6%	3.5	81.2%	75.9%	64.7%	54.6%
1998	350	169	48.3%	4.2	85.1%	82.0%	71.1%	56.6%
1999	369	168	45.5%	3.6	84.8%	79.1%	69.4%	57.2%
2000	367	134	36.5%	4.4	91.8%	89.4%	79.0%	65.7%
2001	371	129	34.8%	3.2	86.8%	83.6%	75.2%	66.8%
2002	400	134	33.5%	2.7	86.3%	83.8%	74.0%	--
2003	452	136	30.1%	2.3	87.4%	82.5%	75.4%	--
2004	439	92	21.0%	2.1	90.0%	87.2%	82.5%	--
2005	458	108	23.6%	1.8	88.0%	85.6%	78.6%	--
2006	391	60	15.3%	1.7	92.8%	90.5%	85.2%	--
2007	419	67	16.0%	1.1	90.0%	87.6%	--	--
2008	373	46	12.3%	0.8	91.2%	89.0%	--	--
2009	273	36	13.2%	0.6	90.1%	88.3%	--	--
2010	320	34	10.6%	0.5	91.9%	--	--	--
TOTAL	9,473	4,798	50.6%	2.7	80.2%	71.2%	58.8%	52.1%

## Section IX – Pediatric Cases

**Figure 11 – Trends in Pediatric HIV Cases, 1985-2011, Reported through 12/31/2012**

Number of Pediatric Reported HIV Cases, Age <13 at HIV Diagnosis, with or without an AIDS Diagnosis (Pediatric Reported HIV Diagnoses) by Year of Birth, by Year of HIV Diagnosis, by Year of AIDS Diagnosis, and by Year of Death Due to Any Cause, and Number of Pediatric Reported HIV Cases, Age <13 at HIV Diagnosis, with or without an AIDS Diagnosis and Not Reported to have Died as of December 31<sup>st</sup> of Each Year (Pediatric Total Living HIV Cases) from 1985 through 2011, as Reported by Name through 12/31/2012



YEAR	Pediatric Reported HIV Diagnoses				Pediatric Total Living HIV Cases
	No. by Year of Birth	No. by Year of HIV Diagnosis	No. by Year of AIDS Diagnosis	No. by Year of Death	No. Alive on 12/31 of Each Year
<1985	23	4	1	0	--
1985	3	5	2	1	8
1986	0	6	0	0	14
1987	6	5	4	0	19
1988	9	3	3	2	21
1989	8	6	5	2	25
1990	18	10	5	4	31
1991	10	11	8	3	40
1992	10	11	8	2	48
1993	12	8	8	4	52
1994	17	9	6	3	59
1995	8	8	7	6	61
1996	11	11	9	2	70
1997	3	4	5	0	74
1998	10	3	1	3	74
1999	5	13	6	0	86
2000	8	5	3	0	91
2001	11	6	3	2	95
2002	7	9	3	0	104
2003	0	3	1	4	103
2004	4	5	2	3	105
2005	6	9	2	3	112
2006	2	11	2	1	122
2007	5	20	2	1	141
2008	0	6	2	0	147
2009	1	2	0	0	149
2010	0	1	2	2	149
2011	0	3	2	0	151
TOTAL	197	197	102	48	--

**Table 24 – Pediatric HIV Diagnoses during 2011 and Pediatric Total Living HIV Cases, Alive on 12/31/2011, by Jurisdiction, Reported through 12/31/2012**

JURISDICTION OF RESIDENCE AT DIAGNOSIS	Pediatric Reported HIV Diagnoses		Pediatric Total Living HIV Cases	
	No.	% of Total	No.	% of Total
Calvert	0	0.0%	2	1.3%
Charles	0	0.0%	3	2.0%
Frederick	0	0.0%	5	3.3%
Montgomery	1	33.3%	43	28.5%
Prince George's	2	66.7%	98	64.9%
<b>METRO TOTAL</b>	<b>3</b>	<b>100.0%</b>	<b>151</b>	<b>100.0%</b>

**Jurisdiction of Residence at Diagnosis:** Jurisdiction of residence at time of initial HIV diagnosis for pediatric reported HIV diagnoses, and jurisdiction of residence at later of time of initial HIV diagnosis or initial AIDS diagnosis for pediatric total living HIV cases.

**Pediatric Reported HIV Diagnoses:** Reported HIV diagnoses, age less than 13 years at HIV diagnosis, with or without an AIDS diagnosis, with initial HIV diagnosis during the specified year.

**Pediatric Total Living HIV Cases:** Reported HIV diagnosis, age less than 13 years at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Table 25 – Pediatric HIV Diagnosis during 2011 and Pediatric Total Living HIV Cases by Sex at Birth and Race/Ethnicity, Alive on 12/31/2011 and Reported through 12/31/2012**

SEX AT BIRTH	Pediatric Reported HIV Diagnoses		Pediatric Total Living HIV Cases	
	No.	% of Total	No.	% of Total
Male	0	0.0%	80	53.0%
Female	3	100.0%	71	47.0%
<b>TOTAL</b>	<b>3</b>	<b>100.0%</b>	<b>151</b>	<b>100.0%</b>

RACE/ETHNICITY	Pediatric Reported HIV Diagnoses		Pediatric Total Living HIV Cases	
	No.	% of Total	No.	% of Total
Hispanic	0	0.0%	5	3.3%
Non-Hispanic	3	100.0%	146	96.7%
American Indian/ Alaska Native, only	0	0.0%	0	0.0%
Asian, only	0	0.0%	1	0.7%
Black, only	3	100.0%	130	86.1%
Native Hawaiian/Other Pacific Islander, only	0	0.0%	0	0.0%
White, only	0	0.0%	12	7.9%
Multiracial/Other	0	0.0%	3	2.0%
<b>TOTAL</b>	<b>3</b>	<b>100.0%</b>	<b>151</b>	<b>100.0%</b>

**Pediatric Reported HIV Diagnoses:** Reported HIV diagnoses, age less than 13 years at HIV diagnosis, with or without an AIDS diagnosis, with initial HIV diagnosis during the specified year.

**Pediatric Total Living HIV Cases:** Reported HIV diagnosis, age less than 13 years at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31<sup>st</sup> of the specified year.