

2012



# Washington Metro Annual HIV Epidemiological Profile

# **2012 Washington Metro Annual HIV Epidemiological Profile**

**Data reported through December 31, 2013**

**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**

## Acknowledgements

This report is published by the Center for HIV Surveillance, Epidemiology and Evaluation annually with valuable contribution from the following people listed. In addition, this report would not have been possible without the cooperation, dedication and hard work of HIV health care providers, community groups, researchers and members of the community and contribution from people with HIV.

*Center for HIV Surveillance, Epidemiology and Evaluation*

Colin Flynn, Chief  
Jami Stockdale, Deputy Chief, Epidemiology and Evaluation  
Attilio J. Zarella, Deputy Chief, HIV Case Surveillance \*

Gina Dwyer, Epidemiologist \*  
Harold C. Boykin, Epidemiologist  
Jimeka Leonard, Epidemiologist \*  
Morgan Boyer, Epidemiologist  
Reshma Bhattacharjee, Epidemiologist

Assefa Tigeneh, Surveillance Investigator  
Bekele Mamo, Surveillance Investigator  
Delwar Hossain, Surveillance Investigator  
Erika Jackson, Surveillance Investigator  
Leigh Carels, Surveillance Investigator  
Phyllis Finch, Surveillance Investigator  
Winona Matthews, Surveillance Investigator  
Denise Bannerman-Wood, Data Quality Specialist/NIR Coordinator

Rhonda Rowlette, Data Specialist, Health Record Reviewer  
Kathy Colburn, Data Specialist  
Lillian Keene, Data Specialist  
Yvonne Childress, Data Specialist

Marilyn Walkins, Health Record Reviewer  
Mohammed Haque, Health Record Reviewer  
Nancy McCasin, Health Record Reviewer

Linda Knapp, Evaluator  
Sara Daneshpour, Research Assistant

Tonya Williamson, Administrative Secretary\*

Suggested Citation: Maryland HIV Annual Epidemiological Profile 2012. Center for HIV Surveillance, Epidemiology and Evaluation, Maryland Department of Health and Mental Hygiene, Baltimore, MD. 2015.

\*These persons are no longer with the Center for HIV Surveillance, Epidemiology and Evaluation at the time of publication of this report.

# Table of Contents

<b>Acknowledgements .....</b>	<b>2</b>
<b>Table of Contents .....</b>	<b>3</b>
<b>Section I – Background Information .....</b>	<b>5</b>
HIV/AIDS Reporting Requirements .....	5
For Assistance with HIV/AIDS Reporting.....	5
Limitations in the HIV/AIDS Data.....	5
Stages of a Case of HIV/AIDS.....	6
Changes in Case Terminology .....	6
Laboratory Data.....	6
Sources of Data.....	6
Tabulation of Column Totals.....	7
Data Suppression.....	7
On-line Mapping Tool.....	7
<b>Section II – Trends 1985-2012 .....</b>	<b>8</b>
Figure 1 – Trends in Reported HIV and AIDS Diagnoses and Deaths, 1985-2012, Reported through 12/31/2013.....	8
Figure 2 – Trends in Living HIV Cases, 1985-2012, Reported through 12/31/2013 .....	9
Figure 3 – Trends in Adult/Adolescent Reported HIV Diagnoses by Sex at Birth, 1985-2012, Reported through 12/31/2013 .....	10
Figure 4 – Trends in Adult/Adolescent Reported HIV Diagnoses by Race/Ethnicity, 1985-2012, Reported through 12/31/2013.....	11
Figure 5 – Trends in Adult/Adolescent Reported HIV Diagnoses by Age at Diagnosis, 1985-2012, Reported through 12/31/2013 .....	12
Figure 6 – Trends in Adult/Adolescent Reported HIV Diagnoses by Exposure Category, 1985-2012, Reported through 12/31/2013 .....	13
<b>Section III – Adult/Adolescent Cases by Jurisdiction .....</b>	<b>14</b>
Table 1 – Adult/Adolescent HIV Diagnoses during 2012, First CD4 Test Result, Percent Linked to Care, and Percent Late Diagnosis, by Jurisdiction, Reported through 12/31/2013 .....	14
Table 2 – Adult/Adolescent AIDS Diagnoses during 2012, Mean Years from HIV Diagnosis and Percent Late HIV Diagnosis, by Jurisdiction, Reported through 12/31/2013.....	15
Table 3 – Adult/Adolescent HIV Cases Alive on 12/31/2012, by Jurisdiction, Reported through 12/31/2013.....	16
Table 4 – CD4 Test Results for Adult/Adolescent HIV Cases Alive on 12/31/2012, Reported through 12/31/2013 .....	17
Table 5 – Viral Load Test Results for Adult/Adolescent HIV Cases Alive on 12/31/2012, by Jurisdiction, Reported through 12/31/2013 .....	18
Figure 7 – Estimated Adult/Adolescent 2012 HIV Continuum of Care, Reported through 12/31/2013 .....	19
<b>Section IV – Cases by Age .....</b>	<b>20</b>
Table 6 – HIV Diagnoses during 2012, First CD4 Test Result, Percent Linked to Care, and Percent Late Diagnosis, by Age at HIV Diagnosis, Reported through 12/31/2013.....	20
Table 7 – AIDS Diagnoses during 2012, Mean Years from HIV Diagnosis and Percent Late HIV Diagnosis, by Age at AIDS Diagnosis, Reported through 12/31/2013.....	20
Table 8 – HIV Cases Alive on 12/31/2012, by Age on 12/31/2012, Reported through 12/31/2013 .....	21
Table 9 – CD4 Test Results for Adult/Adolescent HIV Cases Alive on 12/31/2012, by Age on 12/31/2012, Reported through 12/31/2013 .....	22
Table 10 – Viral Load Test Results for Adult/Adolescent HIV Cases Alive on 12/31/2012, by Age on 12/31/2012, Reported through 12/31/2013 .....	22
<b>Section V – Adult/Adolescent Cases by Demographics .....</b>	<b>23</b>
Table 11 – Adult/Adolescent HIV Diagnoses during 2012, First CD4 Test Result, Percent Linked to Care, and Percent Late Diagnosis, by Sex at Birth, Race/Ethnicity and Country of Birth, Reported through 12/31/2013 .....	23
Table 12 – Adult/Adolescent AIDS Diagnoses during 2012, Mean Years from HIV Diagnosis and Percent Late HIV Diagnosis, by Sex at Birth, Race/Ethnicity and Country of Birth, Reported through 12/31/2013 .....	25
Table 13 – Adult/Adolescent Living HIV Cases with and without AIDS by Sex at Birth, Race/Ethnicity, and Country of Birth, Alive on 12/31/2012 and Reported through 12/31/2013.....	26
Table 14 – Adult/Adolescent Total Living HIV Cases, Recent CD4 Test Results, by Sex at Birth, Race/Ethnicity and Country of Birth, Alive on 12/31/2012 and Reported through 12/31/2013.....	28
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 12/31/2012 and Reported through 12/31/2013.....	29
<b>Section VI – HIV Cases by Expanded Demographics.....</b>	<b>30</b>
Figure 8 – Population Pyramids of Total Living HIV Cases by Current Age, Sex at Birth, and Race/Ethnicity, Alive on 12/31/2012 and Reported through 12/31/2013 .....	30
Table 16 – Total Living Male HIV Cases by Current Age and Race/Ethnicity, Alive on 12/31/2012 and Reported through 12/31/2013 .....	31
Table 17 – Total Living Female HIV Cases by Current Age and Race/Ethnicity, Alive on 12/31/2012 and Reported through 12/31/2013 .....	32

<b>Section VII – HIV Exposure Category</b> .....	<b>33</b>
Table 18 – Adult/Adolescent HIV Diagnoses during 2012, First CD4 Test Result, Percent Linked to Care, and Percent Late Diagnosis, by Exposure Category and Sex at Birth, Reported through 12/31/2013 .....	33
Table 19 – Adult/Adolescent AIDS Diagnoses during 2012, Mean Years from HIV Diagnosis and Percent Late HIV Diagnosis, by Exposure Category and Sex at Birth, Reported through 12/31/2013 .....	35
Table 20 – Adult/Adolescent Living HIV Cases with and without AIDS by Exposure Category and Sex at Birth, Alive on 12/31/2012 and Reported through 12/31/2013 .....	36
Table 21 – Adult/Adolescent Total Living HIV Cases by Exposure Category, Race/Ethnicity, and Sex at Birth, Alive on 12/31/2012 and Reported through 12/31/2013 .....	38
Table 22 – Adult/Adolescent Total Living HIV Cases, Recent CD4 Test Results by Exposure Category, Alive on 12/31/2012 and Reported through 12/31/2013 .....	39
Table 23 – Adult/Adolescent Total Living HIV Cases, Recent Viral Load Test Results by Exposure Category, Alive on 12/31/2012 and Reported through 12/31/2013 .....	39
<b>Section VIII – Disease Progression and Mortality</b> .....	<b>40</b>
Figure 9 – Trends in Disease Progression by Year of HIV Diagnosis, 1985-2011, Reported through 12/31/2013.....	40
Figure 10 – Trends in Survival Times by Year of AIDS Diagnosis, 1985-2011, Reported through 12/31/2012 .....	41
<b>Section IX – Pediatric Cases</b> .....	<b>42</b>
Figure 11 – Trends in Pediatric HIV Cases, 1985-2012, Reported through 12/31/2013.....	42
Table 24 – Pediatric HIV Diagnoses during 2012 and Pediatric Total Living HIV Cases, Alive on 12/31/2012, by Jurisdiction, Reported through 12/31/2013 .....	43
Table 25 – Pediatric HIV Diagnosis during 2012 and Pediatric Total Living HIV Cases by Sex at Birth and Race/Ethnicity, Alive on 12/31/2012 and Reported through 12/31/2013.....	44
<b>Glossary of Terms</b> .....	<b>45</b>

## 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 14% 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.

It is important to note that HIV surveillance is the ongoing systematic collection, analysis, interpretation, and dissemination of HIV disease data. 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. Linkage to care data is based solely on laboratory data 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

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, and 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 probably be 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 2012 are the total of the reported HIV cases with or without an AIDS diagnosis, diagnosed with HIV during 1/1/2012-12/31/2012, as reported by name through 12/31/2013.

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 12/31/2012 are the total of the reported HIV Cases with or without an AIDS diagnosis and not reported to have died as of 12/31/2012 as reported by name through 12/31/2013.

## **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, 2013.

Population data by sex, age, and race is from the July 1, 2012 U.S. Census Estimate and by country-of-birth from the 2012 American Community Survey (note the differences in total population due to different sources). 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.

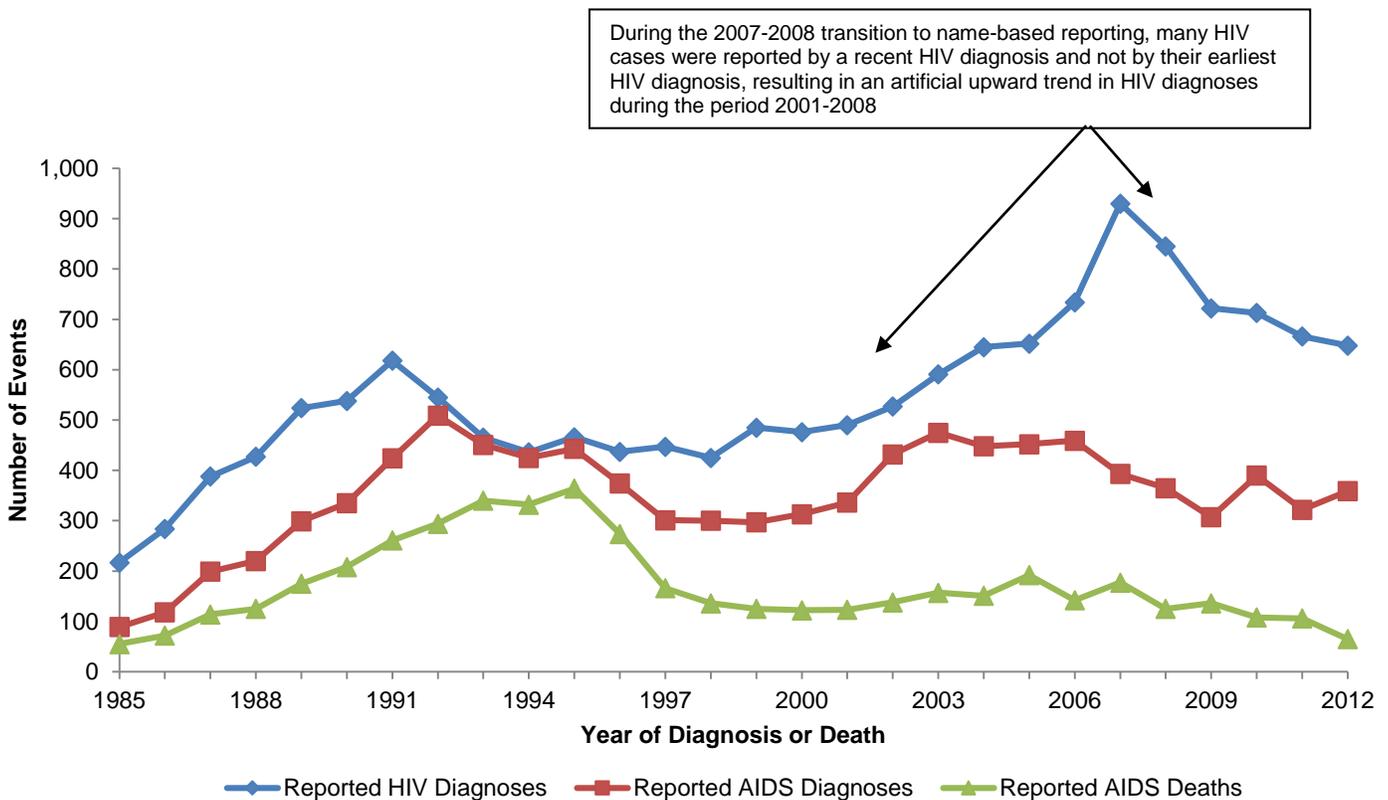
**Heterosexual Exposure (HET):** Men or women who report a history of sexual contact with a person of the opposite sex who is known to have an HIV infection or at high risk for an HIV infection. High risk groups include bisexual men, IDUs and recipients of blood, blood components, transplants of organ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

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

## Section II – Trends 1985-2012

**Figure 1 – Trends in Reported HIV and AIDS Diagnoses and Deaths, 1985-2012, Reported through 12/31/2013**

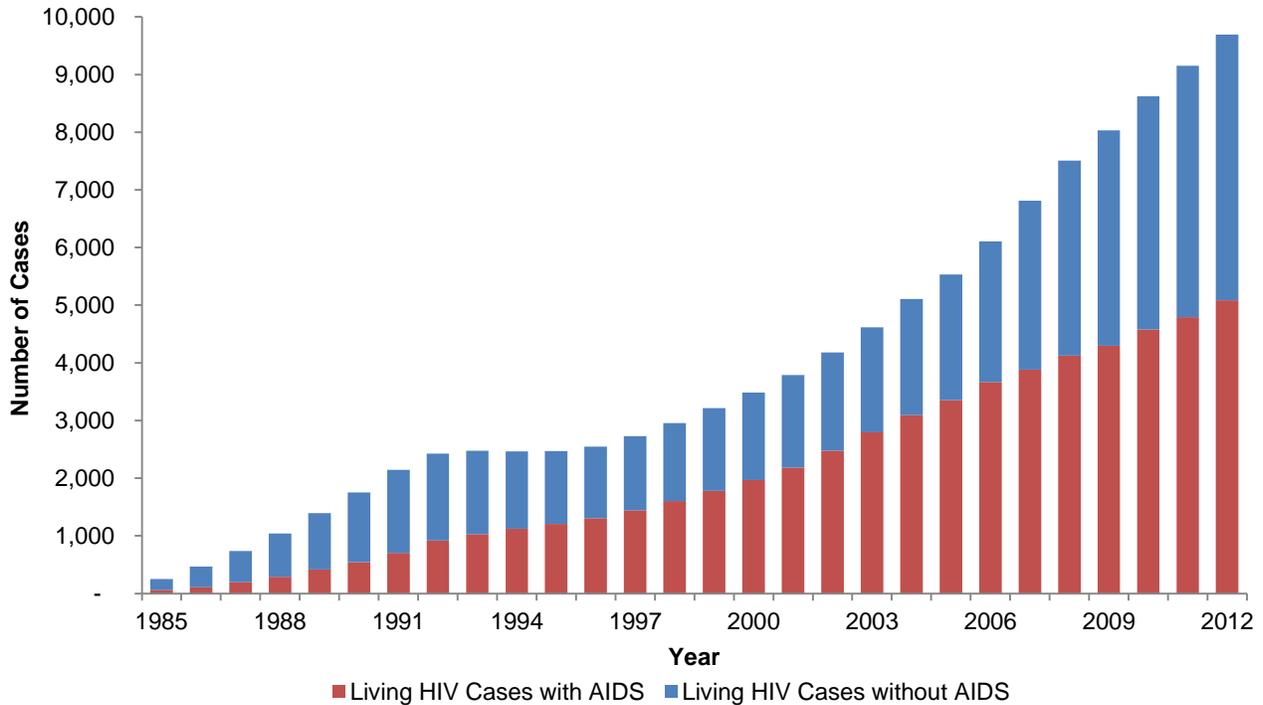
Reported HIV Cases with or without an AIDS Diagnosis (Reported HIV Diagnoses) by Year of HIV Diagnosis, Reported HIV Cases with an AIDS Diagnosis (Reported AIDS Diagnoses) by Year of AIDS Diagnosis, and Reported HIV Cases with an AIDS Diagnosis Reported to have Died of Any Cause (Reported AIDS Deaths) by Year of Death, from 1985 through 2012 as Reported through 12/31/2013



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	113	60	29	1999	485	297	125
1985	217	89	55	2000	476	313	122
1986	284	118	72	2001	490	336	123
1987	388	199	114	2002	527	432	138
1988	427	220	125	2003	591	475	157
1989	524	299	175	2004	645	448	151
1990	538	335	208	2005	652	452	192
1991	618	424	261	2006	734	459	142
1992	545	509	294	2007	930	393	177
1993	465	451	340	2008	845	365	125
1994	436	425	332	2009	722	307	136
1995	466	443	364	2010	713	390	108
1996	437	374	274	2011	666	322	106
1997	447	301	166	2012	648	359	65
1998	425	300	136	<b>TOTAL</b>	<b>15,454</b>	<b>9,895</b>	<b>4,812</b>

**Figure 2 – Trends in Living HIV Cases, 1985-2012, Reported through 12/31/2013**

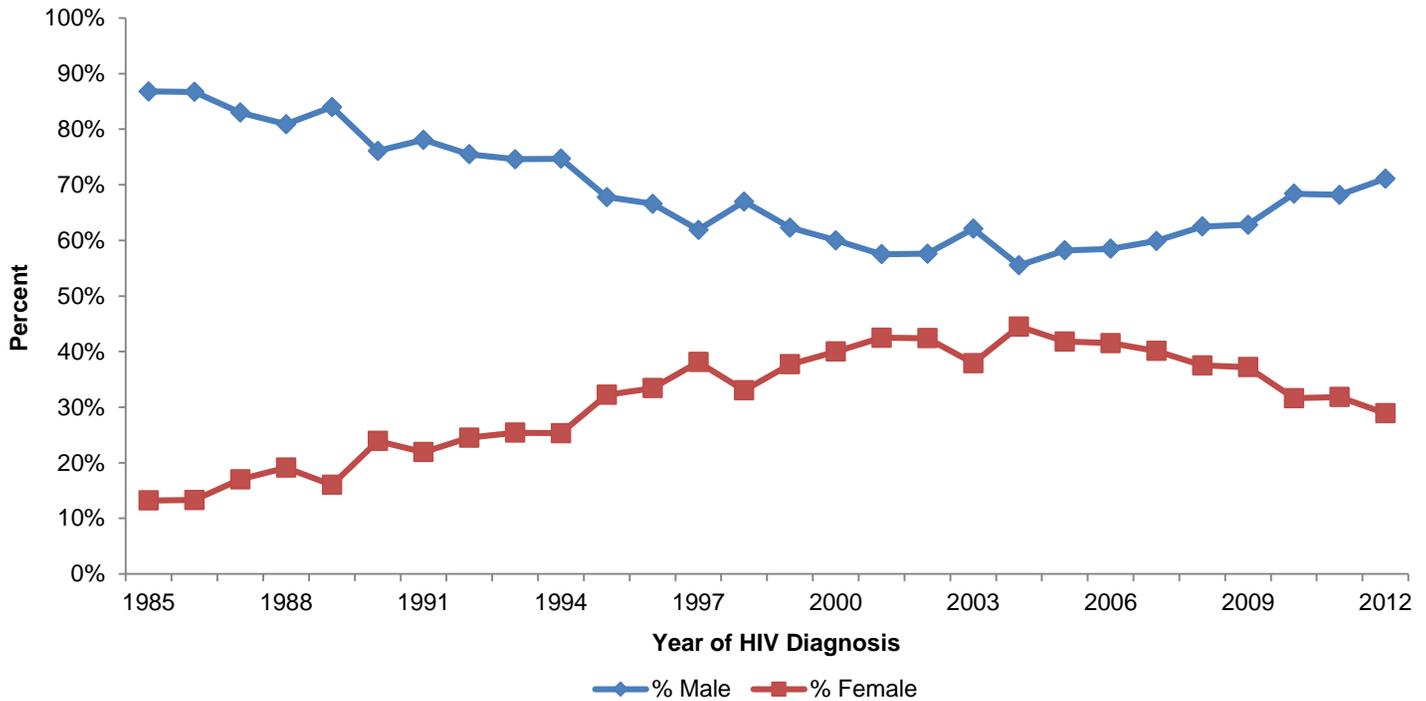
Reported HIV Cases with or without an AIDS Diagnosis and Not Reported to have Died as of December 31<sup>st</sup> of Each Year (Living HIV Cases without AIDS, Living HIV Cases with AIDS, and Total Living HIV Cases) from 1985 through 2012, as Reported through 12/31/2013



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	187	65	252	1999	1,438	1,778	3,216
1986	354	111	465	2000	1,517	1,969	3,486
1987	541	196	737	2001	1,606	2,183	3,789
1988	750	291	1,041	2002	1,706	2,477	4,183
1989	981	415	1,396	2003	1,819	2,795	4,614
1990	1,209	542	1,751	2004	2,013	3,092	5,105
1991	1,441	705	2,146	2005	2,178	3,352	5,530
1992	1,506	920	2,426	2006	2,439	3,669	6,108
1993	1,442	1,031	2,473	2007	2,927	3,885	6,812
1994	1,338	1,125	2,463	2008	3,380	4,125	7,505
1995	1,265	1,206	2,471	2009	3,738	4,296	8,034
1996	1,239	1,307	2,546	2010	4,045	4,578	8,623
1997	1,288	1,442	2,730	2011	4,358	4,794	9,152
1998	1,352	1,606	2,958	2012	4,604	5,088	9,692

**Figure 3 – Trends in Adult/Adolescent Reported HIV Diagnoses by Sex at Birth, 1985-2012, Reported through 12/31/2013**

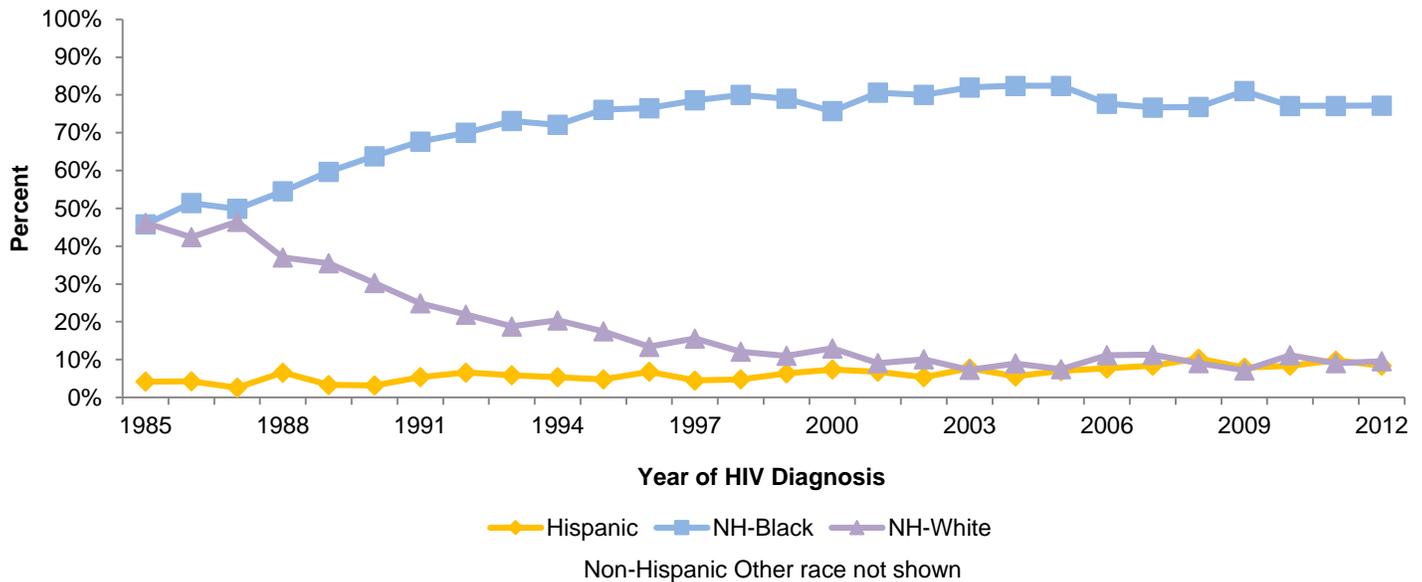
Percent by Sex at Birth of Adult/Adolescent Reported HIV Cases, Age 13+ at HIV Diagnosis, with or without an AIDS Diagnosis (Adult/Adolescent Reported HIV Diagnoses) by Year of HIV Diagnosis from 1985 through 2012, as Reported through 12/31/2013



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	89.8%	10.2%	1999	472	62.3%	37.7%
1985	212	86.8%	13.2%	2000	470	60.0%	40.0%
1986	278	86.7%	13.3%	2001	485	57.5%	42.5%
1987	383	83.0%	17.0%	2002	516	57.6%	42.4%
1988	424	80.9%	19.1%	2003	588	62.1%	37.9%
1989	518	84.0%	16.0%	2004	641	55.5%	44.5%
1990	528	76.1%	23.9%	2005	643	58.2%	41.8%
1991	607	78.1%	21.9%	2006	723	58.5%	41.5%
1992	534	75.5%	24.5%	2007	910	59.9%	40.1%
1993	457	74.6%	25.4%	2008	839	62.5%	37.5%
1994	427	74.7%	25.3%	2009	720	62.8%	37.2%
1995	457	67.8%	32.2%	2010	712	68.4%	31.6%
1996	425	66.6%	33.4%	2011	660	68.2%	31.8%
1997	443	61.9%	38.1%	2012	646	71.1%	28.9%
1998	421	67.0%	33.0%	TOTAL	15,247	67.5%	32.5%

**Figure 4 – Trends in Adult/Adolescent Reported HIV Diagnoses by Race/Ethnicity, 1985-2012, Reported through 12/31/2013**

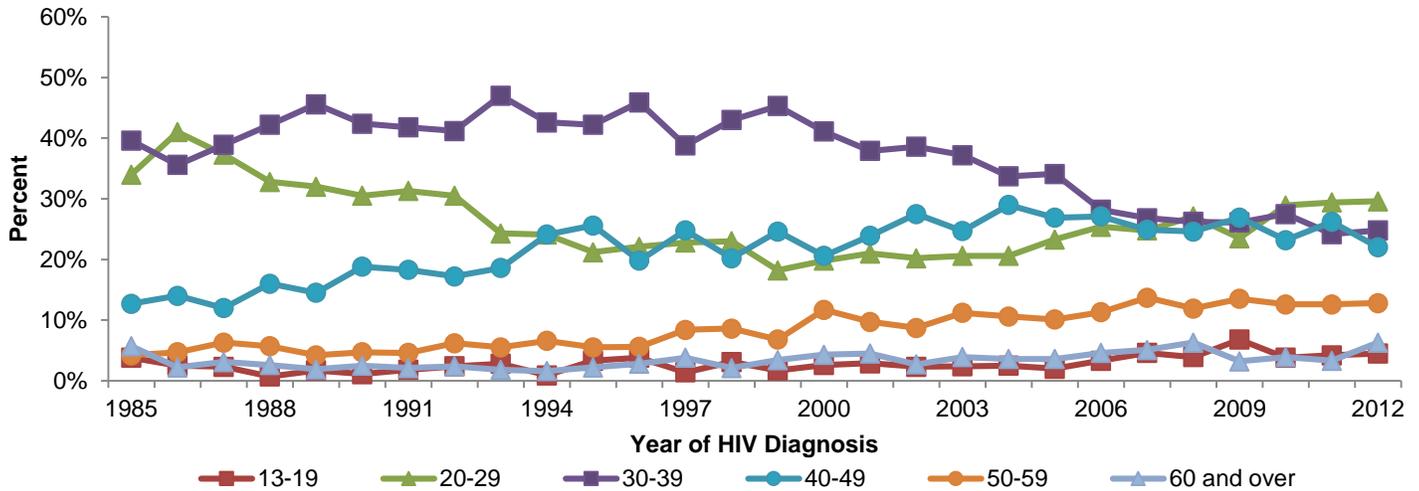
Percent by Race/Ethnicity of Adult/Adolescent Reported HIV Cases, Age 13+ at HIV Diagnosis, with or without an AIDS Diagnosis (Adult/Adolescent Reported HIV Diagnoses) by Year of HIV Diagnosis from 1985 through 2012, as Reported through 12/31/2013



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	212	4.2%	45.8%	46.2%	3.8%
1986	278	4.3%	51.4%	42.4%	1.8%
1987	383	2.6%	49.9%	46.5%	1.0%
1988	424	6.6%	54.5%	37.0%	1.9%
1989	518	3.3%	59.7%	35.5%	1.5%
1990	528	3.2%	63.8%	30.3%	2.7%
1991	607	5.4%	67.7%	24.9%	2.0%
1992	534	6.6%	70.0%	21.9%	1.5%
1993	457	5.9%	73.1%	18.8%	2.2%
1994	427	5.4%	72.1%	20.4%	2.1%
1995	457	4.8%	76.1%	17.5%	1.5%
1996	425	6.8%	76.5%	13.4%	3.3%
1997	443	4.5%	78.6%	15.6%	1.4%
1998	421	4.8%	80.0%	12.1%	3.1%
1999	472	6.4%	79.0%	11.0%	3.6%
2000	470	7.4%	75.7%	13.0%	3.8%
2001	485	6.8%	80.6%	9.1%	3.5%
2002	516	5.4%	80.0%	10.1%	4.5%
2003	588	7.7%	82.0%	7.3%	3.1%
2004	641	5.6%	82.4%	9.0%	3.0%
2005	643	7.0%	82.4%	7.5%	3.1%
2006	723	7.7%	77.7%	11.2%	3.3%
2007	910	8.4%	76.7%	11.3%	3.6%
2008	839	10.3%	76.8%	9.1%	3.9%
2009	720	7.9%	81.0%	7.2%	3.9%
2010	712	8.4%	77.1%	11.2%	3.2%
2011	660	9.8%	77.1%	9.1%	3.9%
2012	646	8.4%	77.2%	9.6%	4.8%
<b>TOTAL</b>	<b>15,247</b>	<b>6.6%</b>	<b>73.9%</b>	<b>16.5%</b>	<b>3.0%</b>

**Figure 5 – Trends in Adult/Adolescent Reported HIV Diagnoses by Age at Diagnosis, 1985-2012, Reported through 12/31/2013**

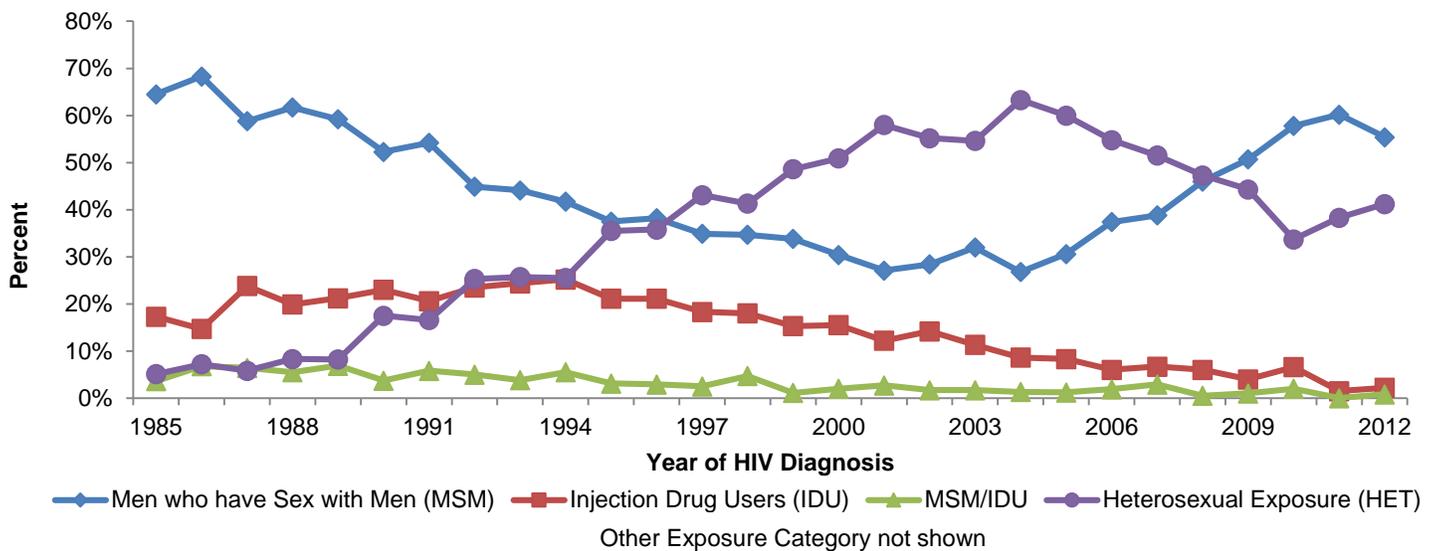
Percent by Age at HIV Diagnosis of Adult/Adolescent Reported HIV Cases, Age 13+ at HIV Diagnosis, with or without an AIDS Diagnosis (Adult/Adolescent Reported HIV Diagnoses) by Year of HIV Diagnosis from 1985 through 2012, as Reported through 12/31/2013



YEAR OF HIV DIAGNOSIS	Adult/Adolescent Reported HIV Diagnoses						
	No.	% Age 13-19	% Age 20-29	% Age 30-39	% Age 40-49	% Age 50-59	% Age 60+
<1985	108	7.4%	34.3%	33.3%	18.5%	3.7%	2.8%
1985	212	3.8%	34.0%	39.6%	12.7%	4.2%	5.7%
1986	278	2.5%	41.0%	35.6%	14.0%	4.7%	2.2%
1987	383	2.3%	37.3%	38.9%	12.0%	6.3%	3.1%
1988	424	0.7%	32.8%	42.2%	16.0%	5.7%	2.6%
1989	518	1.7%	32.0%	45.6%	14.5%	4.2%	1.9%
1990	528	1.1%	30.5%	42.4%	18.8%	4.7%	2.5%
1991	607	1.8%	31.3%	41.8%	18.3%	4.6%	2.1%
1992	534	2.4%	30.5%	41.2%	17.2%	6.2%	2.4%
1993	457	2.8%	24.3%	47.0%	18.6%	5.5%	1.8%
1994	427	0.9%	24.1%	42.6%	24.1%	6.6%	1.6%
1995	457	3.3%	21.2%	42.2%	25.6%	5.5%	2.2%
1996	425	3.8%	22.1%	45.9%	19.8%	5.6%	2.8%
1997	443	1.4%	22.8%	38.8%	24.8%	8.4%	3.8%
1998	421	3.1%	23.0%	43.0%	20.2%	8.6%	2.1%
1999	472	1.7%	18.2%	45.3%	24.6%	6.8%	3.4%
2000	470	2.6%	19.8%	41.1%	20.6%	11.7%	4.3%
2001	485	2.9%	21.0%	37.9%	23.9%	9.7%	4.5%
2002	516	2.3%	20.2%	38.6%	27.5%	8.7%	2.7%
2003	588	2.4%	20.6%	37.2%	24.7%	11.2%	3.9%
2004	641	2.5%	20.6%	33.7%	29.0%	10.6%	3.6%
2005	643	2.0%	23.3%	34.1%	26.9%	10.1%	3.6%
2006	723	3.3%	25.4%	28.2%	27.1%	11.3%	4.6%
2007	910	4.6%	24.8%	26.8%	24.9%	13.7%	5.1%
2008	839	3.9%	27.1%	26.2%	24.6%	11.9%	6.3%
2009	720	6.8%	23.5%	26.1%	26.9%	13.5%	3.2%
2010	712	3.8%	28.9%	27.5%	23.2%	12.6%	3.9%
2011	660	4.2%	29.4%	24.2%	26.2%	12.6%	3.3%
2012	646	4.5%	29.6%	24.8%	22.0%	12.8%	6.3%
<b>TOTAL</b>	<b>15,247</b>	<b>3.0%</b>	<b>26.1%</b>	<b>35.6%</b>	<b>22.6%</b>	<b>9.1%</b>	<b>3.6%</b>

## Figure 6 – Trends in Adult/Adolescent Reported HIV Diagnoses by Exposure Category, 1985-2012, Reported through 12/31/2013

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 2012, as Reported through 12/31/2013



YEAR	Adult/Adolescent Reported HIV Diagnoses						
	No.	With Exposure Category					% Other Exposure
		No.	% MSM	% IDU	% MSM/IDU	% HET	
<1985	108	96	71.9%	13.5%	4.2%	7.3%	3.1%
1985	212	197	64.5%	17.3%	3.6%	5.1%	9.6%
1986	278	265	68.3%	14.7%	6.8%	7.2%	3.0%
1987	383	362	58.8%	23.8%	6.4%	5.8%	5.2%
1988	424	397	61.7%	19.9%	5.5%	8.3%	4.5%
1989	518	476	59.2%	21.2%	6.9%	8.2%	4.4%
1990	528	491	52.3%	23.0%	3.7%	17.5%	3.5%
1991	607	548	54.2%	20.6%	5.8%	16.6%	2.7%
1992	534	459	44.9%	23.5%	5.0%	25.3%	1.3%
1993	457	397	44.1%	24.4%	3.8%	25.7%	2.0%
1994	427	381	41.7%	25.2%	5.5%	25.5%	2.1%
1995	457	389	37.5%	21.1%	3.1%	35.5%	2.8%
1996	425	346	38.2%	21.1%	2.9%	35.8%	2.0%
1997	443	355	34.9%	18.3%	2.5%	43.1%	1.1%
1998	421	317	34.7%	18.0%	4.7%	41.3%	1.3%
1999	472	352	33.8%	15.3%	1.1%	48.6%	1.1%
2000	470	342	30.4%	15.5%	2.0%	50.9%	1.2%
2001	485	369	27.1%	12.2%	2.7%	58.0%	0.0%
2002	516	402	28.4%	14.2%	1.7%	55.2%	0.5%
2003	588	469	32.0%	11.3%	1.7%	54.6%	0.4%
2004	641	466	26.8%	8.6%	1.3%	63.3%	0.0%
2005	643	432	30.6%	8.3%	1.2%	60.0%	0.0%
2006	723	431	37.4%	6.0%	1.9%	54.8%	0.0%
2007	910	480	38.8%	6.7%	2.9%	51.5%	0.2%
2008	839	385	46.0%	6.0%	0.5%	47.3%	0.3%
2009	720	298	50.7%	4.0%	1.0%	44.3%	0.0%
2010	712	303	57.8%	6.6%	2.0%	33.7%	0.0%
2011	660	269	60.2%	1.5%	0.0%	38.3%	0.0%
2012	646	359	55.4%	2.2%	0.8%	41.2%	0.3%
<b>TOTAL</b>	<b>15,247</b>	<b>10,833</b>	<b>44.1%</b>	<b>14.9%</b>	<b>3.2%</b>	<b>36.1%</b>	<b>1.7%</b>

## Section III – Adult/Adolescent Cases by Jurisdiction

**Table 1 – Adult/Adolescent HIV Diagnoses during 2012, First CD4 Test Result, Percent Linked to Care, and Percent Late Diagnosis, by Jurisdiction, Reported through 12/31/2013**

JURISDICTION OF RESIDENCE AT HIV DIAGNOSIS	Population Age 13+	Adult/Adolescent Reported HIV Diagnoses									
		No. with HIV Diagnosis	% of Total	Rate	No. Linked to Care	% Linked to Care	No. Late HIV Diagnosis	% Late HIV Diagnosis	First CD4 Test Result		
									No. with Test	% with Test	Median Count
Calvert Co.	74,654	7	1.1%	9.4	6	85.7%	***	***	7	100.0%	568
Charles Co.	124,626	26	4.0%	20.9	14	53.8%	***	***	20	76.9%	362
Frederick Co.	198,694	24	3.7%	12.1	22	91.7%	8	33.3%	23	95.8%	393
Montgomery Co.	834,814	194	30.0%	23.2	144	74.2%	75	38.7%	164	84.5%	308
Prince George's Co.	733,568	395	61.1%	53.8	266	67.3%	131	33.2%	303	76.7%	321
<b>TOTAL</b>	<b>1,966,356</b>	<b>646</b>	<b>100.0%</b>	<b>32.9</b>	<b>452</b>	<b>70.0%</b>	<b>224</b>	<b>34.7%</b>	<b>517</b>	<b>80.0%</b>	<b>321</b>

\*\*\* Data withheld due to low population counts 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.

**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 7/1/2012.

**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.

**Number Linked to Care:** Number 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 calculated from Percent Linked to Care.

**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.

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

**Percent Late HIV Diagnosis (for HIV diagnoses):** Number and 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 2012, Mean Years from HIV Diagnosis and Percent Late HIV Diagnosis, by Jurisdiction, Reported through 12/31/2013**

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 Co.	74,654	5	1.4%	6.7	0.7	80.0%
Charles Co.	124,626	15	4.2%	12.0	1.6	53.3%
Frederick Co.	198,694	7	2.0%	3.5	1.7	57.1%
Montgomery Co.	834,814	111	31.2%	13.3	2	72.1%
Prince George's Co.	733,568	218	61.2%	29.7	2.4	61.5%
TOTAL	1,966,356	356	100.0%	18.1	2.2	64.6%

**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 7/1/2012.

**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 12/31/2012, by Jurisdiction, Reported through 12/31/2013**

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 Co.	74,654	49	1.1%	65.6	42	0.8%	56.3	91	1.0%	121.9	820
Charles Co.	124,626	156	3.5%	125.2	139	2.8%	111.5	295	3.1%	236.7	422
Frederick Co.	198,694	143	3.2%	72.0	155	3.1%	78.0	298	3.1%	150.0	666
Montgomery Co.	834,814	1,441	32.0%	172.6	1,705	33.9%	204.2	3,146	33.0%	376.9	265
Prince George's Co.	733,568	2,719	60.3%	370.7	2,993	59.5%	408.0	5,712	59.9%	778.7	128
TOTAL	1,966,356	4,508	100.0%	229.3	5,034	100.0%	256.0	9,542	100.0%	485.3	206

**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 7/1/2012.

**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 12/31/2012, Reported through 12/31/2013**

JURISDICTION OF RESIDENCE AT DIAGNOSIS	Adult/Adolescent Total Living HIV Cases							
	No.	Recent CD4 Test Result						500+
		No. with Test	% with Test	Median Count	<200	200-349	350-499	
Calvert Co.	91	61	67.0%	556	13.1%	13.1%	11.5%	62.3%
Charles Co.	295	176	59.7%	501	14.8%	10.8%	24.4%	50.0%
Frederick Co.	298	170	57.0%	522	11.2%	16.5%	16.5%	55.9%
Montgomery Co.	3,146	1,585	50.4%	504	13.4%	13.9%	21.9%	50.9%
Prince George's Co.	5,712	3,051	53.4%	471	15.5%	17.1%	20.9%	46.4%
TOTAL	9,542	5,043	52.9%	489	14.6%	15.8%	21.1%	48.5%

**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 12/31/2012, by Jurisdiction, Reported through 12/31/2013**

JURISDICTION OF RESIDENCE AT DIAGNOSIS	Adult/Adolescent Total Living HIV Cases				
	No.	Recent Viral Load Test Result			Median Unsuppressed
		No. with Test	% with Test	% Suppressed	
Calvert Co.	91	58	63.7%	79.3%	4,342
Charles Co.	295	176	59.7%	72.7%	11,084
Frederick Co.	298	158	53.0%	78.5%	18,189
Montgomery Co.	3,146	1,531	48.7%	76.2%	5,887
Prince George's Co.	5,712	2,992	52.4%	70.8%	9,354
TOTAL	9,542	4,915	51.5%	72.9%	8,600

**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.

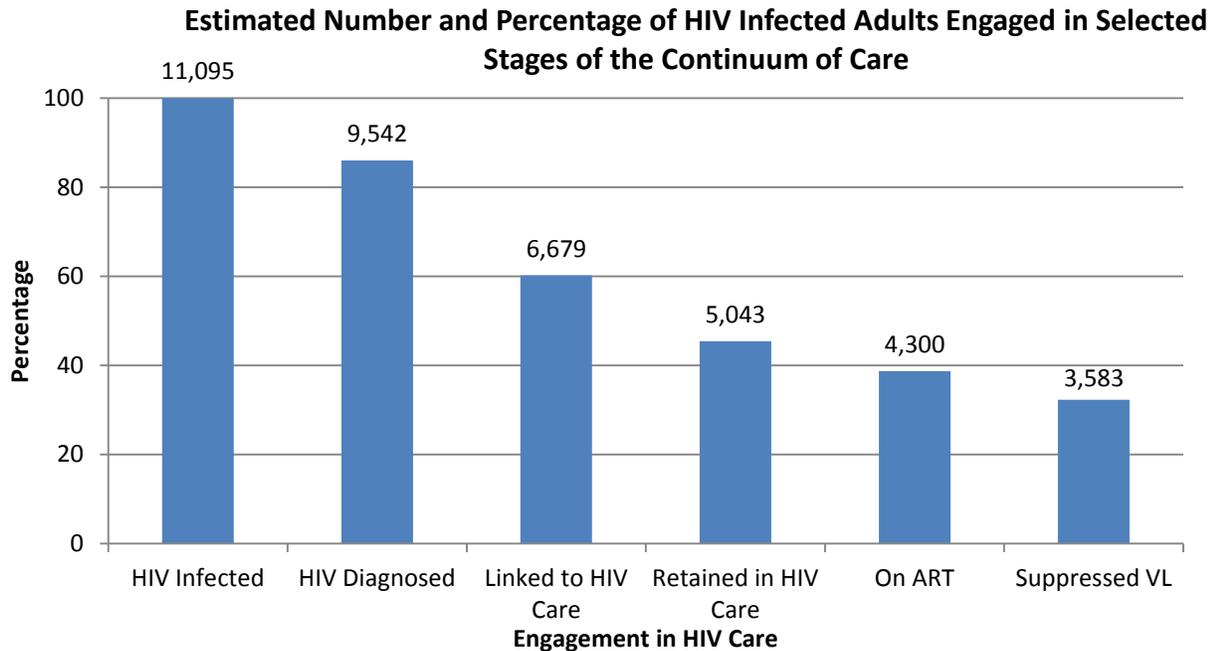
**Recent Viral Load Test Result:** The most recent viral load test result reported in the 12 months prior to December 31<sup>st</sup> of the specified year.

**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 200 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 200 copies per milliliter or greater.

## Figure 7 – Estimated Adult/Adolescent 2012 HIV Continuum of Care, Reported through 12/31/2013

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 (14%) 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	11,095	100.0%
HIV Diagnosed	9,542	86.0%
Linked to HIV Care	6,679	60.2%
Retained in HIV Care	5,043	45.5%
On ART	4,300	38.8%
Suppressed VL	3,583	32.3%

**HIV Infected:** HIV Diagnosed divided by one minus the national estimate of undiagnosed HIV infections (14%).

**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 200 copies per milliliter.

## Section IV – Cases by Age

**Table 6 – HIV Diagnoses during 2012, First CD4 Test Result, Percent Linked to Care, and Percent Late Diagnosis, by Age at HIV Diagnosis, Reported through 12/31/2013**

AGE AT HIV DIAGNOSIS	Population	Reported HIV Diagnoses										
		No.	% of Total	Rate	No. Linked to Care	% Linked to Care	No. Late Diagnosis	% Late Diagnosis	First CD4 Test Result			
									No. with Test	% with Test	Median Count	
<5 (Pediatric)	152,700	***	***	***	***	***	***	***	***	***	***	***
5-12 (Pediatric)	246,593	***	***	***	***	***	***	***	***	***	***	***
13-19	224,847	29	4.5%	12.9	16	55.2%	8	27.6%	22	75.9%	441	
20-29	317,575	191	29.5%	60.1	128	67.0%	47	24.6%	149	78.0%	350	
30-39	319,743	160	24.7%	50.0	105	65.6%	57	35.6%	126	78.8%	352	
40-49	358,087	142	21.9%	39.7	106	74.6%	60	42.3%	114	80.3%	243	
50-59	340,843	83	12.8%	24.4	66	79.5%	36	43.4%	72	86.7%	283	
60+	405,261	41	6.3%	10.1	31	75.6%	16	39.0%	34	82.9%	274	
TOTAL	2,365,649	648	100.0%	27.4	453	69.9%	224	34.6%	518	79.9%	321	

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

**Table 7 – AIDS Diagnoses during 2012, Mean Years from HIV Diagnosis and Percent Late HIV Diagnosis, by Age at AIDS Diagnosis, Reported through 12/31/2013**

AGE AT AIDS DIAGNOSIS	Population	Reported AIDS Diagnoses				
		No.	% of Total	Rate	Mean Years from HIV Diagnosis	% Late HIV Diagnosis
<5 (Pediatric)	152,700	0	0.0%	0.0	--	0.0%
5-12 (Pediatric)	246,593	0	0.0%	0.0	--	0.0%
13-19	224,847	10	2.8%	4.4	1.1	90.0%
20-29	317,575	72	20.1%	22.7	1.8	69.4%
30-39	319,743	83	23.1%	26.0	2.2	63.9%
40-49	358,087	112	31.2%	31.3	2.7	58.0%
50-59	340,843	57	15.9%	16.7	2.5	64.9%
60+	405,261	25	7.0%	6.2	2.5	64.0%
TOTAL	2,365,649	359	100.0%	15.2	2.3	64.1%

**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 7/1/2012.

**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.

**Number Linked to Care:** Number 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 calculated from Percent Linked to Care.

**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.

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

**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 12/31/2012, by Age on 12/31/2012, Reported through 12/31/2013**

AGE ON 12/31/2012	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	152,700	3	0.1%	2.0	0	0.0%	0.0	3	0.0%	2.0	50,900
5-12	246,593	39	0.8%	15.8	5	0.1%	2.0	44	0.5%	17.8	5,604
13-19	224,847	86	1.9%	38.2	34	0.7%	15.1	120	1.2%	53.4	1,873
20-29	317,575	822	17.9%	258.8	323	6.3%	101.7	1,145	11.8%	360.5	277
30-39	319,743	1,125	24.4%	351.8	911	17.9%	284.9	2,036	21.0%	636.8	157
40-49	358,087	1,305	28.3%	364.4	1,811	35.6%	505.7	3,116	32.2%	870.2	114
50-59	340,843	881	19.1%	258.5	1,418	27.9%	416.0	2,299	23.7%	674.5	148
60+	405,261	343	7.5%	84.6	586	11.5%	144.6	929	9.6%	229.2	436
TOTAL	2,365,649	4,604	100.0%	194.6	5,088	100.0%	215.1	9,692	100.0%	409.7	244

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

**Population:** Population estimate for 7/1/2012.

**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 12/31/2012, by Age on 12/31/2012, Reported through 12/31/2013**

AGE ON 12/31/2012	Adult/Adolescent Total Living HIV Cases							
	No.	Recent CD4 Test Results						500+
		No. with Test	% with Test	Median Count	<200	200-349	350-499	
13-19	63	34	54.0%	540	2.9%	11.8%	23.5%	61.8%
20-29	1,104	595	53.9%	466	14.1%	15.8%	25.9%	44.2%
30-39	2,033	1,045	51.4%	486	16.2%	14.8%	21.0%	48.0%
40-49	3,115	1,683	54.0%	495	14.9%	15.6%	20.3%	49.3%
50-59	2,299	1,228	53.4%	493	14.1%	16.7%	20.4%	48.9%
60+	928	458	49.4%	499	13.1%	16.8%	20.1%	50.0%
TOTAL	9,542	5,043	52.9%	489	14.6%	15.8%	21.1%	48.5%

**Table 10 – Viral Load Test Results for Adult/Adolescent HIV Cases Alive on 12/31/2012, by Age on 12/31/2012, Reported through 12/31/2013**

AGE ON 12/31/2012	Adult/Adolescent Total Living HIV Cases				
	No.	Recent Viral Load Test Result			Median Unsuppressed
		No. with Test	% with Test	% Suppressed	
13-19	63	33	52.4%	33.3%	1,888
20-29	1,104	603	54.6%	55.2%	9,463
30-39	2,033	1,040	51.2%	68.6%	12,390
40-49	3,115	1,640	52.6%	75.4%	10,000
50-59	2,299	1,162	50.5%	80.2%	4,900
60+	928	437	47.1%	81.7%	5,933
TOTAL	9,542	4,915	51.5%	72.9%	8,600

**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 200 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 200 copies per milliliter or greater.

## Section V – Adult/Adolescent Cases by Demographics

**Table 11 – Adult/Adolescent HIV Diagnoses during 2012, First CD4 Test Result, Percent Linked to Care, and Percent Late Diagnosis, by Sex at Birth, Race/Ethnicity and Country of Birth, Reported through 12/31/2013**

SEX AT BIRTH	Population Age 13+*	Adult/Adolescent Reported HIV Diagnoses							First CD4 Test Result		
		No.	% of Total	Rate	No. Linked to Care	% Linked to Care	No. of % Late Diagnosis	% Late Diagnosis	No. with Test	% with Test	Median Count
		Male	938,457	459	71.1%	48.9	316	68.8%	160	34.9%	361
Female	1,027,899	187	28.9%	18.2	136	72.7%	64	34.2%	156	83.4%	375
TOTAL	1,966,356	646	100.0%	32.9	452	70.0%	224	34.7%	517	80.0%	321

RACE/ ETHNICITY	Population Age 13+*	Adult/Adolescent Reported HIV Diagnoses							First CD4 Test Result		
		No.	% of Total	Rate	No. Linked to Care	% Linked to Care	No. of % Late Diagnosis	% Late Diagnosis	No. with Test	% with Test	Median Count
		Hispanic	265,217	54	8.4%	20.4	35	64.8%	26	48.1%	44
Non-Hispanic	1,701,139	592	91.6%	34.8	417	70.4%	198	33.4%	473	79.9%	323
American Indian/Alaska Native, only	4,765	0	0.0%	0.0	0	0.0%	0	0.0%	0	0.0%	--
Asian, only	168,091	12	1.9%	7.1	8	66.7%	***	***	9	75.0%	256
Black, only	681,004	499	77.2%	73.3	347	69.5%	165	33.1%	392	78.6%	319
Native Hawaiian/Other Pacific Islander, only	1,002	0	0.0%	0.0	0	0.0%	***	***	0	0.0%	--
White only	811,510	62	9.6%	7.6	49	79.0%	16	25.8%	54	87.1%	468
Multiracial/Other	34,767	19	2.9%	54.6	13	68.4%	13	68.4%	18	94.7%	147
TOTAL	1,966,356	646	100.0%	32.9	452	70.0%	224	34.7%	517	80.0%	321

COUNTRY OF BIRTH	Population Age 13+**	Adult/Adolescent Reported HIV Diagnoses							First CD4 Test Result		
		No.	% of Total	Rate	No. Linked to Care	% Linked to Care	No. of % Late Diagnosis	% Late Diagnosis	No. with Test	% with Test	Median Count
		United States	1,383,047	455	70.4%	32.9	318	69.9%	153	33.6%	361
Foreign-born	508,488	92	14.2%	18.1	61	66.3%	46	50.0%	79	85.9%	262
Africa	--	61	9.4%	--	41	67.2%	31	50.8%	52	85.2%	226
Asia	--	6	0.9%	--	***	***	***	***	***	***	***
Caribbean	--	8	1.2%	--	6	75.0%	5	62.5%	8	100.0%	557
Central America	--	12	1.9%	--	8	66.7%	***	***	11	91.7%	403
Other	--	5	0.8%	--	***	***	***	***	***	***	***
Unknown	--	99	15.3%	--	73	73.7%	25	25.3%	77	77.8%	407
TOTAL	1,891,536	646	100.0%	34.2	452	70.0%	224	34.7%	517	80.0%	321

\* Population data by sex at birth, age, and race/ethnicity are from the 2012 U.S. Census population estimates

\*\* Population data by country of birth are from the 2012 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 7/1/2012.

**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.

**Number Linked to Care:** Number 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 calculated from Percent Linked to Care.

**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.

**Number of Late HIV diagnosis (for HIV diagnoses):** Number of adult/adolescent reported HIV diagnoses with an initial AIDS diagnosis less than or equal to 12 months after their initial HIV diagnosis calculated from Percent Late 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 2012, Mean Years from HIV Diagnosis and Percent Late HIV Diagnosis, by Sex at Birth, Race/Ethnicity and Country of Birth, Reported through 12/31/2013**

SEX AT BIRTH	Population Age 13+*	Adult/Adolescent Reported AIDS Diagnoses				
		No.	% of Total	Rate	Mean Years from HIV Diagnosis	% Late HIV Diagnosis
Male	938,457	239	67.1%	25.5	1.8	69.0%
Female	1,027,899	117	32.9%	11.4	2.9	55.6%
TOTAL	1,966,356	356	100.0%	18.1	2.2	64.6%

RACE/ETHNICITY	Population Age 13+*	Adult/Adolescent Reported AIDS Diagnoses				
		No.	% of Total	Rate	Mean Years from HIV Diagnosis	% Late HIV Diagnosis
Hispanic	265,217	32	9.0%	12.1	1.6	75.0%
Non-Hispanic	1,701,139	324	91.0%	19.0	2.2	63.6%
American Indian/Alaska Native, only	4,765	0	0.0%	0.0	--	0.0%
Asian, only	168,091	2	0.6%	1.2	1.6	50.0%
Black, only	681,004	275	77.2%	40.4	2.3	63.6%
Native Hawaiian/Other Pacific Islander, only	1,002	0	0.0%	0.0	--	0.0%
White only	811,510	30	8.4%	3.7	1.8	66.7%
Multiracial/Other	34,767	17	4.8%	48.9	2.8	58.8%
TOTAL	1,966,356	356	100.0%	18.1	2.2	64.6%

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	1,383,047	261	73.3%	18.9	2.4	62.1%
Foreign-born	508,488	60	16.9%	11.8	1.4	71.7%
Africa	--	46	12.9%	--	1.3	69.6%
Asia	--	1	1.7%	--	***	***
Caribbean	--	3	5.0%	--	***	***
Central America	--	7	2.0%	0.0	2.6	71.4%
Other	--	3	5.0%	--	***	***
Unknown	--	35	9.8%	--	1.9	71.4%
TOTAL	1,891,536	356	100.0%	18.8	2.2	64.6%

\* Population data by sex at birth, age, and race/ethnicity are from the 2012 U.S. Census population estimates

\*\* Population data by country of birth are from the 2012 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 7/1/2012.

**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 12/31/2012 and Reported through 12/31/2013**

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	938,457	2,753	61.1%	293.4	3,213	63.8%	342.4	5,966	62.5%	635.7	157
Female	1,027,899	1,755	38.9%	170.7	1,821	36.2%	177.2	3,576	37.5%	347.9	287
TOTAL	1,966,356	4,508	100.0%	229.3	5,034	100.0%	256.0	9,542	100.0%	485.3	206

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	265,217	331	7.3%	124.8	441	8.8%	166.3	772	8.1%	291.1	343
Non-Hispanic	1,701,139	4,177	92.7%	245.5	4,593	91.2%	270.0	8,770	91.9%	515.5	193
American Indian/Alaska Native, only	4,765	6	0.1%	125.9	1	0.0%	21.0	7	0.1%	146.9	680
Asian, only	168,091	48	1.1%	28.6	27	0.5%	16.1	75	0.8%	44.6	2,241
Black, only	681,004	3,458	76.7%	507.8	3,837	76.2%	563.4	7,295	76.5%	1,071.2	93
Native Hawaiian/Other Pacific Islander, only	1,002	5	0.1%	499.2	3	0.1%	299.5	8	0.1%	798.7	125
White only	811,510	565	12.5%	69.6	561	11.1%	69.1	1,126	11.8%	138.8	720
Multiracial/ Other	34,767	95	2.1%	273.2	164	3.3%	471.7	259	2.7%	745.0	134
TOTAL	1,966,356	4,508	100.0%	229.3	5,034	100.0%	256.0	9,542	100.0%	485.3	206

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	1,383,047	3,534	78.4%	255.5	3,896	77.4%	281.7	7,430	77.9%	537.2	186
Foreign-born	508,488	618	13.7%	121.5	983	19.5%	193.3	1,601	16.8%	314.9	317
Africa	--	366	8.1%	--	615	12.2%	--	981	10.3%	--	--
Asia	--	27	0.6%	--	24	0.5%	--	51	0.5%	--	--
Caribbean	--	44	1.0%	--	71	1.4%	--	115	1.2%	--	--
Central America	--	83	1.8%	--	174	3.5%	--	257	2.7%	--	--
Other	--	97	2.2%	--	99	2.0%	--	196	2.1%	--	--
Unknown	--	356	7.9%	--	155	3.1%	--	511	5.4%	--	--
TOTAL	1,891,536	4,508	100.0%	238.3	5,034	100.0%	266.1	9,542	100.0%	504.5	198

\* Population data by sex at birth, age, and race/ethnicity are from the 2012 U.S. Census population estimates

\*\* Population data by country of birth are from the 2012 American Community Survey

**Population Age 13+:** Population greater than or equal to 13 years old, estimate for 7/1/2012.

**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 12/31/2012 and Reported through 12/31/2013**

SEX AT BIRTH	Adult/Adolescent Total Living HIV Cases							
	No.	Recent CD4 Test Result						
		No. with Test	% with Test	Median Count	<200	200-349	350-499	500+
Male	5,966	3,076	51.6%	470	15.4%	16.6%	21.6%	46.3%
Female	3,576	1,967	55.0%	512	13.4%	14.5%	20.3%	51.8%
TOTAL	9,542	5,043	52.9%	489	14.6%	15.8%	21.1%	48.5%

RACE/ETHNICITY	Adult/Adolescent Total Living HIV Cases							
	No.	Recent CD4 Test Result						
		No. with Test	% with Test	Median Count	<200	200-349	350-499	500+
Hispanic	772	363	47.0%	466	16.8%	15.2%	23.4%	44.6%
Non-Hispanic	8,770	4,680	53.4%	491	14.4%	15.9%	20.9%	48.8%
American Indian/Alaska Native, only	7	***	***	***	20.0%	0.0%	20.0%	60.0%
Asian, only	75	31	41.3%	489	9.7%	16.1%	25.8%	48.4%
Black, only	7,295	3,928	53.8%	482	14.8%	16.4%	21.2%	47.6%
Native Hawaiian/Other Pacific Islander, only	8	***	***	***	25.0%	0.0%	0.0%	75.0%
White only	1,126	532	47.2%	561	11.1%	12.4%	17.3%	59.2%
Multiracial/Other	259	180	69.5%	455	17.8%	14.4%	24.4%	43.3%
TOTAL	9,542	5,043	52.9%	489	14.6%	15.8%	21.1%	48.5%

COUNTRY OF BIRTH	Adult/Adolescent Total Living HIV Cases							
	No.	Recent CD4 Test Result						
		No. with Test	% with Test	Median Count	<200	200-349	350-499	500+
United States	7,430	3,894	52.4%	488	15.3%	15.5%	20.8%	48.4%
Foreign-born	1,601	818	51.1%	495	12.5%	16.6%	21.6%	49.3%
Africa	981	524	53.4%	475	12.2%	18.9%	22.5%	46.4%
Asia	51	26	51.0%	596	15.4%	0.0%	15.4%	69.2%
Caribbean	115	61	53.0%	598	6.6%	14.8%	11.5%	67.2%
Central America	257	122	47.5%	478	18.0%	15.6%	20.5%	45.9%
Other	196	84	42.9%	520	9.5%	10.7%	27.4%	52.4%
Unknown	511	331	64.8%	483	11.5%	17.5%	23.3%	47.7%
TOTAL	9,542	5,043	52.9%	489	14.6%	15.8%	21.1%	48.5%

\*\*\* Data withheld due to low population 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 12/31/2012 and Reported through 12/31/2013**

SEX AT BIRTH	Adult/Adolescent Total Living HIV Cases				
	No.	Recent Viral Load Test Result			
		No. with Test	% with Test	% Suppressed	Median Unsuppressed
Male	5,966	2,979	49.9%	72.4%	10,000
Female	3,576	1,936	54.1%	73.6%	6,003
TOTAL	9,542	4,915	51.5%	72.9%	8,600

RACE/ETHNICITY	Adult/Adolescent Total Living HIV Cases				
	No.	Recent Viral Load Test Result			
		No. with Test	% with Test	% Suppressed	Median Unsuppressed
Hispanic	772	360	46.6%	75.8%	6,344
Non-Hispanic	8,770	4,555	51.9%	72.7%	8,789
American Indian/Alaska Native, only	7	***	***	***	***
Asian, only	75	33	44.0%	75.8%	70,496
Black, only	7,295	3,831	52.5%	71.9%	8,490
Native Hawaiian/Other Pacific Islander, only	8	***	***	***	***
White only	1,126	519	46.1%	80.5%	9,220
Multiracial/Other	259	164	63.3%	65.2%	11,907
TOTAL	5,712	2,992	52.4%	70.8%	9,354

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	7,430	3,777	50.8%	71.6%	9,858
Foreign-born	1,601	809	50.5%	78.4%	2,886
Africa	981	513	52.3%	79.3%	2,790
Asia	51	27	52.9%	81.5%	18,087
Caribbean	115	61	53.0%	70.5%	3,890
Central America	257	124	48.2%	74.2%	6,043
Other	196	83	42.3%	83.1%	2,541
Unknown	511	329	64.4%	73.9%	9,571
TOTAL	9,542	4,915	51.5%	72.9%	8,600

\*\*\* Data withheld due to low population 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.

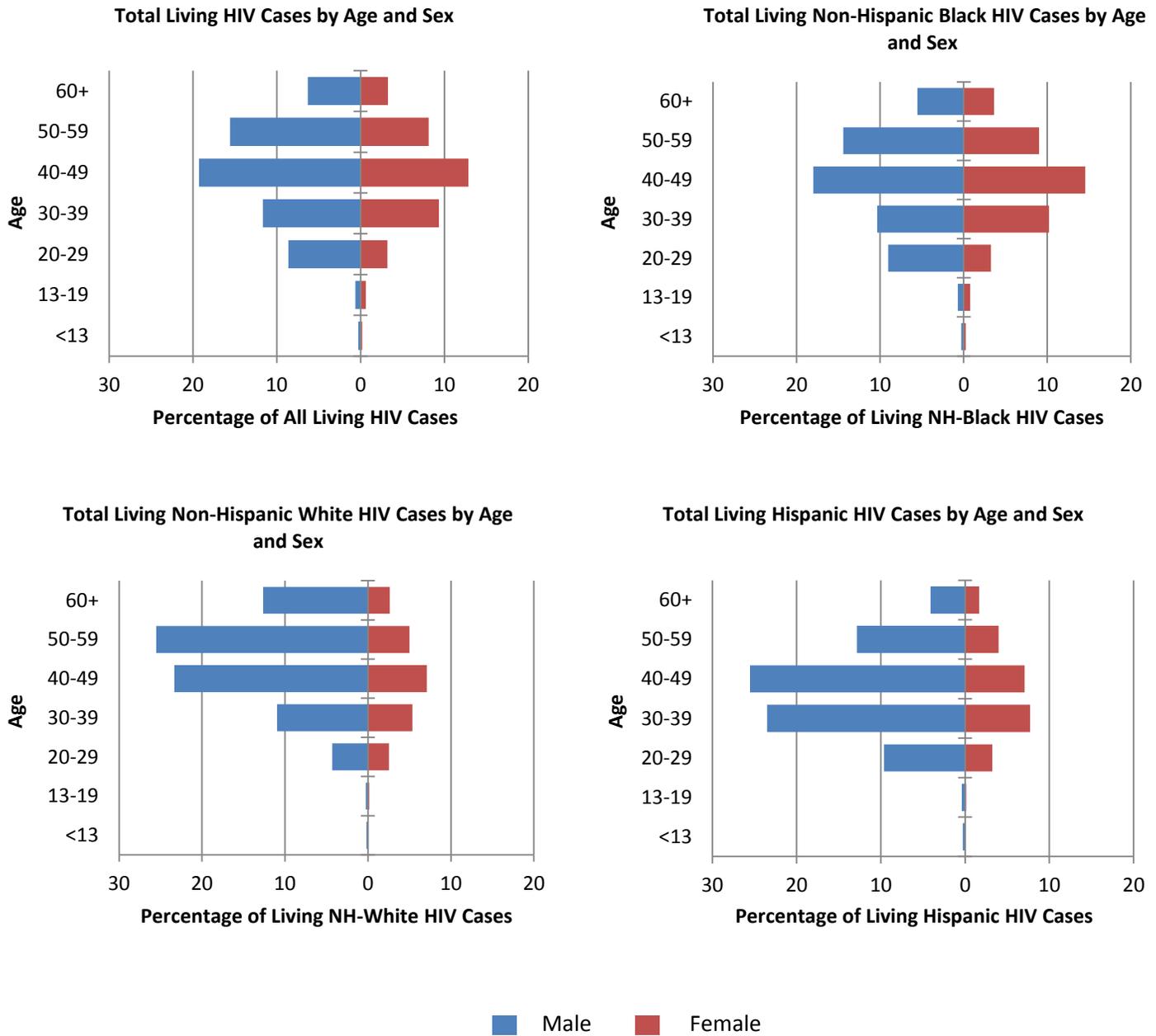
**Recent Viral Load Test Result:** The most recent viral load test result reported in the 12 months prior to December 31<sup>st</sup> of the specified year.

**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 200 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 200 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 12/31/2012 and Reported through 12/31/2013**



**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 12/31/2012 and Reported through 12/31/2013**

MALES						
AGE ON 12/31/2012		RACE/ETHNICITY				TOTAL MALES BY AGE GROUP
		Hispanic	Non-Hispanic Black, only	Non-Hispanic White, only	Non-Hispanic Other Race	
<13 (Pediatric)	Population	42,163	71,328	64,176	25,983	203,650
	Cases	2	22	2	2	28
	Rate	4.7	30.8	3.1	7.7	13.7
	Ratio (1 in X)	21,081	3,242	32,088	12,991	7,273
13-19	Population	18,843	42,597	41,412	12,561	115,413
	Cases	3	52	3	2	60
	Rate	15.9	122.1	7.2	15.9	52.0
	Ratio (1 in X)	6,281	819	13,803	6,280	1,923
20-29	Population	34,076	54,606	55,505	16,763	160,950
	Cases	75	671	49	39	834
	Rate	220.1	1,228.8	88.3	232.7	518.2
	Ratio (1 in X)	454	81	1,132	429	192
30-39	Population	36,931	49,339	50,081	18,240	154,591
	Cases	183	768	125	55	1,131
	Rate	495.5	1,556.6	249.6	301.5	731.6
	Ratio (1 in X)	201	64	400	331	136
40-49	Population	25,554	59,828	66,840	17,408	169,630
	Cases	199	1,335	266	68	1,868
	Rate	778.7	2,231.4	398.0	390.6	1,101.2
	Ratio (1 in X)	128	44	251	256	90
50-59	Population	14,450	51,976	79,352	14,843	160,621
	Cases	100	1,070	291	49	1,510
	Rate	692.0	2,058.6	366.7	330.1	940.1
	Ratio (1 in X)	144	48	272	302	106
60+	Population	9,160	49,562	101,614	16,916	177,252
	Cases	32	411	144	24	611
	Rate	349.3	829.3	141.7	141.9	344.7
	Ratio (1 in X)	286	120	705	704	290
TOTAL MALES BY RACE/ETHNICITY	Population	181,177	379,236	458,980	122,714	1,142,107
	Cases	594	4,329	880	239	6,042
	Rate	327.9	1,141.5	191.7	194.8	529.0
	Ratio (1 in X)	305	87	521	513	189

**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 7/1/2012.

**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 12/31/2012 and Reported through 12/31/2013**

FEMALES						
AGE ON 12/31/2012		RACE/ETHNICITY				TOTAL FEMALES BY AGE GROUP
		Hispanic	Non-Hispanic Black, only	Non-Hispanic White, only	Non-Hispanic Other Race	
<13 (Pediatric)	Population	39,935	69,096	110,959	25,377	245,367
	Cases	0	18	0	1	19
	Rate	0.0	26.1	0.0	3.9	7.7
	Ratio (1 in X)	--	3,838	--	25,377	12,914
13-19	Population	17,375	41,585	38,187	12,287	109,434
	Cases	1	57	2	0	60
	Rate	5.8	137.1	5.2	0.0	54.8
	Ratio (1 in X)	17,375	729	19,093	--	1,823
20-29	Population	27,895	59,213	52,056	17,461	156,625
	Cases	25	241	29	16	311
	Rate	89.6	407.0	55.7	91.6	198.6
	Ratio (1 in X)	1,115	245	1,795	1,091	503
30-39	Population	30,026	61,411	51,701	22,014	165,152
	Cases	60	758	61	26	905
	Rate	199.8	1,234.3	118.0	118.1	548.0
	Ratio (1 in X)	500	81	847	846	182
40-49	Population	22,993	73,959	70,236	21,269	188,457
	Cases	55	1,079	81	33	1,248
	Rate	239.2	1,458.9	115.3	155.2	662.2
	Ratio (1 in X)	418	68	867	644	151
50-59	Population	14,998	65,576	81,707	17,941	180,222
	Cases	31	668	57	33	789
	Rate	206.7	1,018.7	69.8	183.9	437.8
	Ratio (1 in X)	483	98	1,433	543	228
60+	Population	12,915	71,353	122,819	20,922	228,009
	Cases	13	270	30	5	318
	Rate	100.7	378.4	24.4	23.9	139.5
	Ratio (1 in X)	993	264	4,093	4,184	717
TOTAL FEMALES BY RACE/ETHNICITY	Population	166,137	442,193	527,665	137,271	1,273,266
	Cases	185	3,091	260	114	3,650
	Rate	111.4	699.0	49.3	83.0	286.7
	Ratio (1 in X)	898	143	2,029	1,204	348

**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 7/1/2012.

**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 2012, First CD4 Test Result, Percent Linked to Care, and Percent Late Diagnosis, by Exposure Category and Sex at Birth, Reported through 12/31/2013**

EXPOSURE CATEGORY	Adult/Adolescent HIV Diagnoses							
	No.	% of Total with Exposure	No. Linked to Care	% Linked to Care	No. of Late Diagnosis	% Late Diagnosis	First CD4 Test Result	
							% with Test	Median Count
With Exposure	484	100.0%	359	74.2%	144	29.8%	82.9%	385
Men who have Sex with Men (MSM)	282	58.3%	219	77.7%	69	24.5%	84.8%	407
Injection Drug Users (IDU)	44	9.1%	26	59.1%	20	45.5%	77.3%	157
Men who have Sex with Men and Inject Drugs (MSM/IDU)	3	0.6%	2	66.7%	1	33.3%	66.7%	382
Heterosexual Exposure (HET)	152	31.4%	111	73.0%	54	35.5%	82.2%	351
Other Exposure	3	0.6%	1	33.3%	0	0.0%	33.3%	742
No Reported Exposure	237		182	76.8%	78	32.9%	79.7%	334
TOTAL	721		541	75.0%	222	30.8%	81.8%	369

MALE EXPOSURE CATEGORY	Adult/Adolescent Reported HIV Diagnoses							
	No.	% of Total with Exposure	No. Linked to Care	% Linked to Care	No. of Late Diagnosis	% Late Diagnosis	First CD4 Test Result	
							% with Test	Median Count
With Exposure	272	100.0%	193	71.0%	96	35.3%	83.8%	317
Men who have Sex with Men (MSM)	199	73.2%	135	67.8%	61	30.7%	83.9%	360
Injection Drug Users (IDU)	***	***	***	***	***	***	***	***
Men who have Sex with Men and Inject Drugs (MSM/IDU)	***	***	***	***	***	***	***	***
Heterosexual Exposure (HET)	64	23.5%	52	81.3%	30	46.9%	87.5%	208
Other Exposure	***	***	***	***	***	***	***	***
No Reported Exposure	187		123	65.8%	64	34.2%	71.1%	294
TOTAL	459		316	68.8%	160	34.9%	78.6%	309

FEMALE EXPOSURE CATEGORY	Adult/Adolescent Reported HIV Diagnoses							
	No.	% of Total with Exposure	No. Linked to Care	% Linked to Care	No. of Late Diagnosis	% Late Diagnosis	First CD4 Test Result	
							% with Test	Median Count
With Exposure	94	100.0%	69	73.4%	31	33.0%	86.2%	380
Injection Drug Users (IDU)	20	21.3%	11	55.0%	8	40.0%	80.0%	381
Heterosexual Exposure (HET)	73	77.7%	57	78.1%	23	31.5%	87.7%	375
Other Exposure	1	1.1%	1	100.0%	0	0.0%	100.0%	742
No Reported Exposure	91		69	75.8%	25	27.5%	82.4%	388
TOTAL	185		138	74.6%	56	30.3%	84.3%	384

\* Includes 4 HIV cases with Presumed Female Heterosexual exposure

\*\*\* 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.

**Number Linked to Care:** Number 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 calculated from Percent Linked to Care.

**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.

**Number of Late HIV diagnosis (for HIV diagnoses):** Number of adult/adolescent reported HIV diagnoses with an initial AIDS diagnosis less than or equal to 12 months after their initial HIV diagnosis calculated from Percent Late 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 2012, Mean Years from HIV Diagnosis and Percent Late HIV Diagnosis, by Exposure Category and Sex at Birth, Reported through 12/31/2013**

EXPOSURE CATEGORY	Adult/Adolescent Reported AIDS Diagnoses			
	No.	% of Total with Exposure	Mean Years from HIV Diagnosis	% Late HIV Diagnosis
With Exposure	383	100.0%	5.2	35.5%
Men who have Sex with Men (MSM)	135	35.2%	3.2	50.4%
Injection Drug Users (IDU)	96	25.1%	7.5	16.7%
Men who have Sex with Men and Inject Drugs (MSM/IDU)	11	2.9%	9.1	18.2%
Heterosexual Exposure (HET)	140	36.6%	5.1	35.7%
Other Exposures	1	0.3%	14	0.0%
No Reported Exposure	163		2.7	52.1%
TOTAL	546		4.4	40.5%

MALE EXPOSURE CATEGORY	Adult/Adolescent Reported AIDS Diagnoses			
	No.	% of Total with Exposure	Mean Years from HIV Diagnosis	% Late HIV Diagnosis
With Exposure	256	100.0%	4.5	41.0%
Men who have Sex with Men (MSM)	135	52.7%	3.2	50.4%
Injection Drug Users (IDU)	61	23.8%	6.7	18.0%
Men who have Sex with Men and Inject Drugs (MSM/IDU)	11	4.3%	9.1	18.2%
Heterosexual Exposure (HET)	48	18.8%	4.1	50.0%
Other Exposures	1	0.4%	14	0.0%
No Reported Exposure	105		2.8	54.3%
TOTAL	361		4.0	44.9%

FEMALE EXPOSURE CATEGORY	Adult/Adolescent Reported AIDS Diagnoses			
	No.	% of Total with Exposure	Mean Years from HIV Diagnosis	% Late HIV Diagnosis
With Exposure	127	100.0%	6.5	24.4%
Injection Drug Users (IDU)	35	27.6%	9.1	14.3%
Heterosexual Exposure (HET)	92	72.4%	5.6	28.3%
Other Exposures	0	0.0%	--	0.0%
No Reported Exposure	58		2.5	48.3%
TOTAL	185		5.3	31.9%

\* Includes 1 AIDS cases with Presumed Female Heterosexual exposure

**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 12/31/2012 and Reported through 12/31/2013**

EXPOSURE CATEGORY	Adult/Adolescent Living HIV Cases without AIDS		Adult/Adolescent Living HIV Cases with AIDS		Adult/Adolescent Living HIV Cases	
	No.	% of Total with Exposure	No.	% of Total with Exposure	No.	% of Total with Exposure
With Exposure	2,408	100.0%	3,664	100.0%	6,072	100.0%
Men who have Sex with Men (MSM)	1,164	48.3%	1,272	34.7%	2,436	40.1%
Injection Drug Users (IDU)	135	5.6%	580	15.8%	715	11.8%
Men who have Sex with Men and Inject Drugs (MSM/IDU)	34	1.4%	116	3.2%	150	2.5%
Heterosexual Exposure (HET)	1,065	44.2%	1,675	45.7%	2,740	45.1%
Other Exposures	10	0.4%	21	0.6%	31	0.5%
No Reported Exposure	2,100		1,370		3,470	
TOTAL	4,508		5,034		9,542	

MALE EXPOSURE CATEGORY	Adult/Adolescent Living HIV Cases without AIDS		Adult/Adolescent Living HIV Cases with AIDS		Adult/Adolescent Living HIV Cases	
	No.	% of Total with Exposure	No.	% of Total with Exposure	No.	% of Total with Exposure
With Exposure	1,622	100.0%	2,433	100.0%	4,055	100.0%
Men who have Sex with Men (MSM)	1,164	71.8%	1,272	52.3%	2,436	60.1%
Injection Drug Users (IDU)	82	5.1%	356	14.6%	438	10.8%
Men who have Sex with Men and Inject Drugs (MSM/IDU)	34	2.1%	116	4.8%	150	3.7%
Heterosexual Exposure (HET)	339	20.9%	679	27.9%	1,018	25.1%
Other Exposures	3	0.2%	10	0.4%	13	0.3%
No Reported Exposure	1,131		780		1,911	
TOTAL	2,753		3,213		5,966	

FEMALE EXPOSURE CATEGORY	Adult/Adolescent Living HIV Cases without AIDS		Adult/Adolescent Living HIV Cases with AIDS		Adult/Adolescent Living HIV Cases	
	No.	% of Total with Exposure	No.	% of Total with Exposure	No.	% of Total with Exposure
With Exposure	786	100.0%	1,231	100.0%	2,017	100.0%
Injection Drug Users (IDU)	53	6.7%	224	18.2%	277	13.7%
Heterosexual Exposure (HET)	726	92.4%	996	80.9%	1,722	85.4%
Other Exposures	7	0.9%	11	0.9%	18	0.9%
No Reported Exposure*	969		590		1,559	
TOTAL	1,755		1,821		3,576	

\* Includes 24 HIV cases without AIDS and 31 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 12/31/2012 and Reported through 12/31/2013**

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	537	100.0%	4,532	100.0%	763	100.0%
Men who have Sex with Men (MSM)	232	43.2%	1,578	34.8%	508	66.6%
Injection Drug Users (IDU)	28	5.2%	564	12.4%	81	10.6%
Men who have Sex with Men and Inject Drugs (MSM/IDU)	11	2.0%	99	2.2%	30	3.9%
Heterosexual Exposure (HET)	265	49.3%	2,270	50.1%	135	17.7%
Other Exposures	1	0.2%	21	0.5%	9	1.2%
No Reported Exposure	235		2,763		363	
TOTAL	772		7,295		1,126	

MALE 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	419	100.0%	2,833	100.0%	635	100.0%
Men who have Sex with Men (MSM)	232	55.4%	1,578	55.7%	508	80.0%
Injection Drug Users (IDU)	22	5.3%	352	12.4%	43	6.8%
Men who have Sex with Men and Inject Drugs (MSM/IDU)	11	2.6%	99	3.5%	30	4.7%
Heterosexual Exposure (HET)	153	36.5%	799	28.2%	47	7.4%
Other Exposures	1	0.2%	5	0.2%	7	1.1%
No Reported Exposure	169		1,436		238	
TOTAL	588		4,269		873	

FEMALE 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	118	100.0%	1,699	100.0%	128	100.0%
Injection Drug Users (IDU)	6	5.1%	212	12.5%	38	29.7%
Heterosexual Exposure (HET)	112	94.9%	1,471	86.6%	88	68.8%
Other Exposures	0	0.0%	16	0.9%	2	1.6%
No Reported Exposure*	66		1,327		125	
TOTAL	184		3,026		253	

\* Includes 3 Hispanic cases, 48 non-Hispanic black cases, and 3 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 12/31/2012 and Reported through 12/31/2013**

EXPOSURE CATEGORY	Adult/Adolescent Total Living HIV Cases							
	No.	Recent CD4 Test Results						500+
		No. with Test	% with Test	Median Count	<200	200-349	350-499	
With Exposure	6,072	3,272	53.9%	488	14.4%	15.4%	21.8%	48.4%
Men who have Sex with Men (MSM)	2,436	1,241	50.9%	508	12.2%	15.1%	21.9%	50.7%
Injection Drug Users (IDU)	715	382	53.4%	404	23.3%	19.6%	20.7%	36.4%
Men who have Sex with Men and Inject Drugs (MSM/IDU)	150	86	57.3%	425	14.0%	18.6%	33.7%	33.7%
Heterosexual Exposure (HET)	2,740	1,550	56.6%	501	13.9%	14.4%	21.4%	50.3%
Other Exposures	31	13	41.9%	520	30.8%	7.7%	7.7%	53.8%
No Reported Exposure*	3,470	1,771	51.0%	490	15.0%	16.7%	19.8%	48.6%
TOTAL	9,542	5,043	52.9%	489	14.6%	15.8%	21.1%	48.5%

\* Includes 55 cases with Presumed Female Heterosexual exposure

**Table 23 – Adult/Adolescent Total Living HIV Cases, Recent Viral Load Test Results by Exposure Category, Alive on 12/31/2012 and Reported through 12/31/2013**

EXPOSURE CATEGORY	Adult/Adolescent Total Living HIV Cases				
	No.	Recent Viral Load Test Results			Median Count
		No. with Test	% with Test	% Suppressed	
With Exposure	6,072	3,142	51.7%	73.2%	9,213
Men who have Sex with Men (MSM)	2,436	1,209	49.6%	72.4%	12,925
Injection Drug Users (IDU)	715	327	45.7%	67.0%	15,258
Men who have Sex with Men and Inject Drugs (MSM/IDU)	150	76	50.7%	65.8%	4,833
Heterosexual Exposure (HET)	2,740	1,520	55.5%	75.6%	5,820
Other Exposures	31	10	32.3%	60.0%	30,760
No Reported Exposure*	3,470	1,773	51.1%	72.4%	7,625
TOTAL	9,542	4,915	51.5%	72.9%	8,600

\* Includes 55 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.

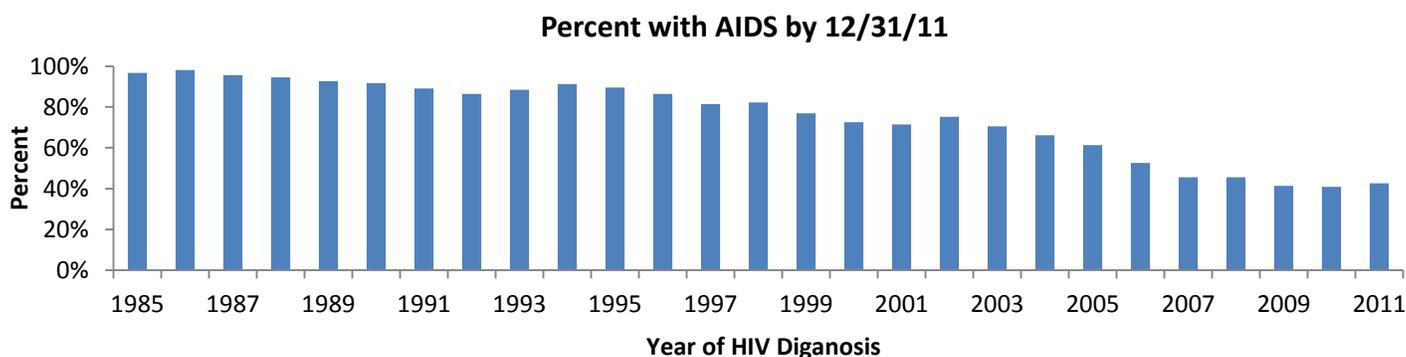
**Percent Suppressed (Viral Load):** Percent of adult/adolescent total living HIV cases with a most recent viral load reported in the 12 months prior to December 31<sup>st</sup> of the specified year of less than 200 copies per milliliter.

**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 200 copies per milliliter or greater.

## Section VIII – Disease Progression and Mortality

**Figure 9 – Trends in Disease Progression by Year of HIV Diagnosis, 1985-2011, Reported through 12/31/2013**

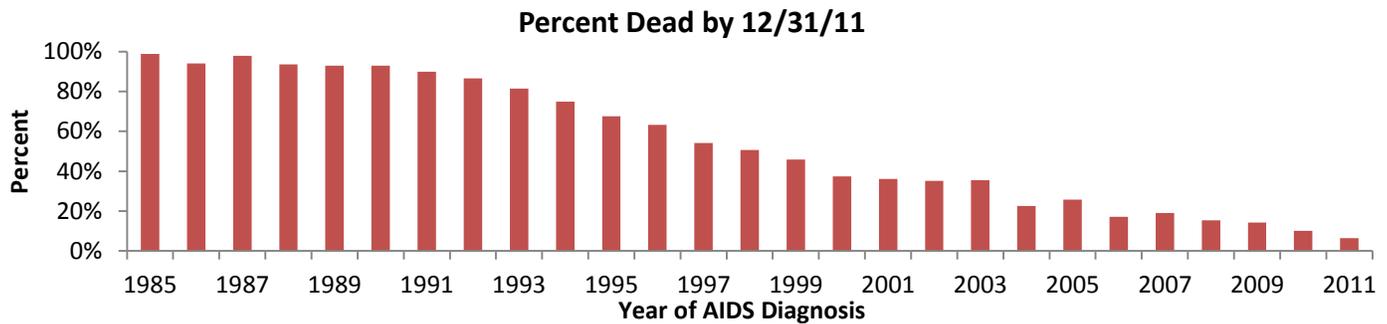
Number of Adult/Adolescent Reported HIV Cases, Age 13+ at HIV Diagnosis, with or without an AIDS Diagnosis by 12/31/11 (Adult/Adolescent Reported HIV Diagnoses), Number of Adult/Adolescent Reported HIV Cases with an AIDS Diagnosis by 12/31/2012 (Reported AIDS Diagnoses), Percent by Year of HIV Diagnosis of Adult/Adolescent Reported HIV Diagnoses with a Reported AIDS Diagnosis by 12/31/2012, 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 2011, as Reported by Name through 12/31/2013



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	102	94.4%	6.5	48.1%	48.1%	51.9%	63.9%
1985	212	205	96.7%	5.7	42.5%	43.9%	49.5%	75.5%
1986	278	273	98.2%	4.8	43.2%	44.2%	54.3%	86.7%
1987	383	366	95.6%	3.6	49.9%	50.7%	65.8%	87.2%
1988	424	401	94.6%	3.0	50.0%	54.0%	73.8%	88.7%
1989	518	480	92.7%	2.8	51.2%	53.9%	74.3%	87.3%
1990	528	484	91.7%	2.7	49.8%	57.6%	75.8%	87.1%
1991	607	541	89.1%	2.4	51.7%	59.5%	76.6%	83.9%
1992	534	462	86.5%	2.7	50.0%	56.7%	71.9%	79.4%
1993	457	404	88.4%	2.1	59.3%	65.2%	75.7%	83.4%
1994	427	390	91.3%	1.7	67.4%	73.3%	79.6%	87.4%
1995	457	409	89.5%	1.8	64.6%	70.2%	75.9%	85.8%
1996	425	367	86.4%	1.8	62.1%	64.9%	74.6%	82.6%
1997	443	361	81.5%	1.6	61.4%	64.8%	70.9%	78.8%
1998	421	346	82.2%	1.8	59.6%	63.4%	70.1%	79.1%
1999	472	363	76.9%	1.4	60.0%	63.3%	68.0%	74.2%
2000	470	341	72.6%	1.4	55.5%	58.1%	64.7%	71.1%
2001	485	347	71.5%	1.3	54.8%	56.9%	65.8%	70.3%
2002	516	388	75.2%	0.8	63.2%	66.7%	71.9%	74.2%
2003	588	415	70.6%	0.9	59.2%	61.4%	65.5%	--
2004	641	424	66.1%	1.0	54.6%	56.9%	60.1%	--
2005	643	394	61.3%	0.8	52.4%	54.6%	57.9%	--
2006	723	380	52.6%	0.9	42.5%	45.0%	49.5%	--
2007	910	415	45.6%	0.9	36.7%	38.0%	--	--
2008	839	383	45.6%	0.8	36.4%	38.7%	--	--
2009	720	298	41.4%	0.8	32.4%	34.3%	--	--
2010	712	291	40.9%	0.5	34.0%	37.6%	--	--
2011	660	281	42.6%	0.4	37.9%	--	--	--
TOTAL	14,601	10,311	70.6%	1.9	49.7%	53.1%	61.1%	67.8%

## Figure 10 – Trends in Survival Times by Year of AIDS Diagnosis, 1985-2011, Reported through 12/31/2012

Number of Adult/Adolescent Reported HIV Cases, Age 13+ at HIV Diagnosis, with an AIDS Diagnosis by 12/31/11 (Adult/Adolescent Reported AIDS Diagnoses), Number of Adult/Adolescent Reported AIDS Diagnosis Reported to Have Died of Any Cause by 12/31/2012 (Reported AIDS Deaths), Percent by Year of AIDS Diagnosis of Adult/Adolescent Reported AIDS Diagnoses with a Reported AIDS Death (Percent Dead) by 12/31/2012, 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 2011, as Reported by Name through 12/31/2013

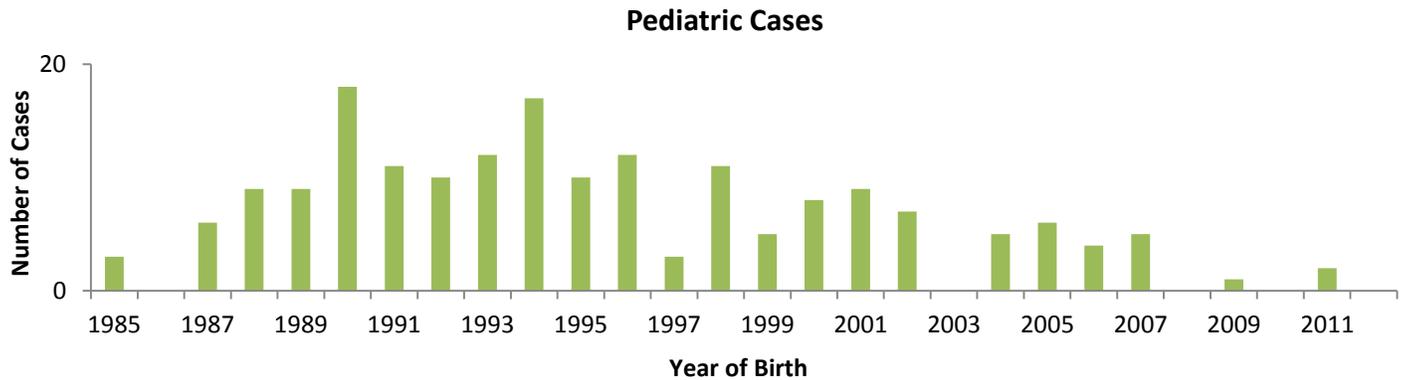


YEAR OF HIV DIAGNOSIS	Adult/Adolescent Reported AIDS Diagnoses							
	No.	Reported AIDS Deaths			Percent Alive by Years After AIDS Diagnosis			
		No.	% Dead	Mean Years from AIDS to Death	1 Year	2 Years	5 Years	10 Years
<1985	59	59	100.0%	0.9	32.2%	6.8%	3.4%	0.0%
1985	87	86	98.9%	1.4	40.2%	14.9%	10.3%	2.3%
1986	118	111	94.1%	1.7	50.8%	31.4%	11.9%	8.5%
1987	195	191	97.9%	1.8	52.3%	28.7%	9.7%	5.1%
1988	218	204	93.6%	2.0	61.9%	38.1%	15.1%	8.3%
1989	294	273	92.9%	2.6	66.3%	48.0%	18.7%	10.9%
1990	330	307	93.0%	2.5	64.8%	46.1%	18.8%	10.9%
1991	414	372	89.9%	2.2	65.2%	46.6%	17.6%	13.0%
1992	500	433	86.6%	2.6	70.0%	48.6%	22.6%	18.0%
1993	444	362	81.5%	2.8	70.7%	55.0%	31.8%	24.3%
1994	419	314	74.9%	2.5	74.7%	53.5%	36.8%	28.6%
1995	442	299	67.6%	3.7	73.5%	64.0%	52.9%	40.3%
1996	367	232	63.2%	4.6	79.6%	73.0%	62.1%	47.1%
1997	296	160	54.1%	3.6	80.1%	74.0%	61.5%	51.0%
1998	300	152	50.7%	4.7	86.3%	83.0%	71.3%	56.0%
1999	295	135	45.8%	3.5	85.1%	77.3%	69.5%	56.3%
2000	310	116	37.4%	4.8	92.9%	91.0%	80.0%	65.8%
2001	332	120	36.1%	3.6	88.0%	84.9%	75.9%	66.3%
2002	430	151	35.1%	3.1	87.4%	83.5%	74.0%	66.3%
2003	474	168	35.4%	2.7	86.1%	81.4%	72.2%	--
2004	446	101	22.6%	2.1	89.5%	86.3%	80.7%	--
2005	450	116	25.8%	1.9	87.3%	84.7%	77.3%	--
2006	457	78	17.1%	2.1	92.8%	90.4%	85.1%	--
2007	389	74	19.0%	1.3	88.2%	85.9%	--	--
2008	363	56	15.4%	1.0	89.5%	87.3%	--	--
2009	307	44	14.3%	0.8	90.2%	87.3%	--	--
2010	386	39	10.1%	0.6	92.7%	90.2%	--	--
2011	321	21	6.5%	0.5	95.3%	--	--	--
TOTAL	9,443	4,774	50.6%	2.7	80.1%	70.9%	58.6%	52.1%

## Section IX – Pediatric Cases

**Figure 11 – Trends in Pediatric HIV Cases, 1985-2012, Reported through 12/31/2013**

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 2012, as Reported by Name through 12/31/2013



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	24	5	1	0	--
1985	3	5	2	1	9
1986	0	6	0	0	15
1987	6	5	4	0	20
1988	9	3	3	2	20
1989	9	6	5	2	24
1990	18	10	5	4	30
1991	11	11	8	3	39
1992	10	11	8	2	49
1993	12	8	8	4	52
1994	17	9	6	3	59
1995	10	9	7	6	56
1996	12	12	10	2	62
1997	3	4	5	0	65
1998	11	4	1	3	65
1999	5	13	6	0	74
2000	8	6	4	0	79
2001	9	5	3	2	85
2002	7	11	3	0	95
2003	0	3	1	4	95
2004	5	4	2	3	97
2005	6	9	2	3	104
2006	4	11	3	1	113
2007	5	20	3	1	133
2008	0	6	2	0	139
2009	1	2	0	0	141
2010	0	1	2	2	143
2011	2	6	3	0	147
2012	0	2	2	0	150
TOTAL	207	207	109	48	--

**Table 24 – Pediatric HIV Diagnoses during 2012 and Pediatric Total Living HIV Cases, Alive on 12/31/2012, by Jurisdiction, Reported through 12/31/2013**

JURISDICTION OF RESIDENCE AT DIAGNOSIS	Pediatric Reported HIV Diagnoses		Pediatric Total Living HIV Cases	
	No.	% of Total	No.	% of Total
Calvert Co.	0	0.0%	2	1.3%
Charles Co.	0	0.0%	3	2.0%
Frederick Co.	0	0.0%	5	3.3%
Montgomery Co.	0	0.0%	42	28.0%
Prince George's Co.	2	100.0%	98	65.3%
<b>TOTAL</b>	<b>2</b>	<b>100.0%</b>	<b>150</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 2012 and Pediatric Total Living HIV Cases by Sex at Birth and Race/Ethnicity, Alive on 12/31/2012 and Reported through 12/31/2013**

SEX AT BIRTH	Pediatric Reported HIV Diagnoses		Pediatric Total Living HIV Cases	
	No.	% of Total	No.	% of Total
Male	1	50.0%	76	50.7%
Female	1	50.0%	74	49.3%
TOTAL	2	100.0%	150	100.0%

RACE/ETHNICITY	Pediatric Reported HIV Diagnoses		Pediatric Total Living HIV Cases	
	No.	% of Total	No.	% of Total
Hispanic	0	0.0%	7	4.7%
Non-Hispanic	2	100.0%	143	95.3%
American Indian/ Alaska Native, only	0	0.0%	0	0.0%
Asian, only	0	0.0%	1	0.7%
Black, only	2	100.0%	125	87.4%
Native Hawaiian/Other Pacific Islander, only	0	0.0%	0	0.0%
White, only	0	0.0%	14	9.8%
Multiracial/Other	0	0.0%	3	2.1%
TOTAL	2	100.0%	150	100.0%

**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.

## 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 200 copies per milliliter or greater.

**Number Linked to Care:** Number 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 calculated from Percent Linked to Care.

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

**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 200 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 7/1/2012.

**Population Age 13+:** Population age 13 years or older, estimate for 7/1/2012.

**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