



### **3C.**

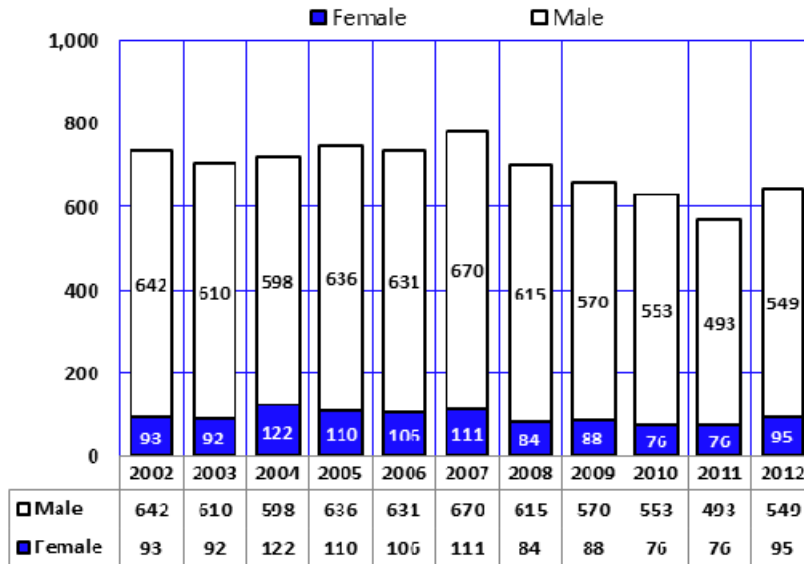
#### **HUMAN IMMUNODEFICIENCY VIRUS (HIV) DISEASE AND ACQUIRED IMMUNODEFICIENCY SYNDROME (AIDS)**

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Statistics about the estimated incidence of Human Immunodeficiency Virus (HIV) disease and Acquired Immunodeficiency Syndrome (AIDS) for 1981-2012, as provided by the Office of HIV, STD, and Hepatitis Services, are available in Tables 3C-1, 3C-2, 3C-3, 3C-4, 3C-5 and 5F-3 of this report. In the past, the cases of persons previously reported as HIV positive and subsequently diagnosed as AIDS were not properly counted since these were not new cases, only a new diagnosis reflecting a progression of the disease. The data presented in this report are based on a revised approach adopted by the Office of HIV/AIDS Services. The estimated incidence of HIV/AIDS includes the sum of new HIV cases and new AIDS cases, which were not diagnosed as HIV positive in any prior calendar year. The cases of persons who were diagnosed with both HIV and AIDS in the same calendar year are counted only as AIDS to avoid double counting (see the Executive Summary of the HIV/AIDS annual report at <http://www.azdhs.gov/phs/hiv/reporting/2011report.htm>).

### 3C. HIV DISEASE AND AIDS

**Figure 3C-1**  
Reported Cases of HIV/AIDS by Gender and Year of Diagnosis, Arizona, 2002-2012

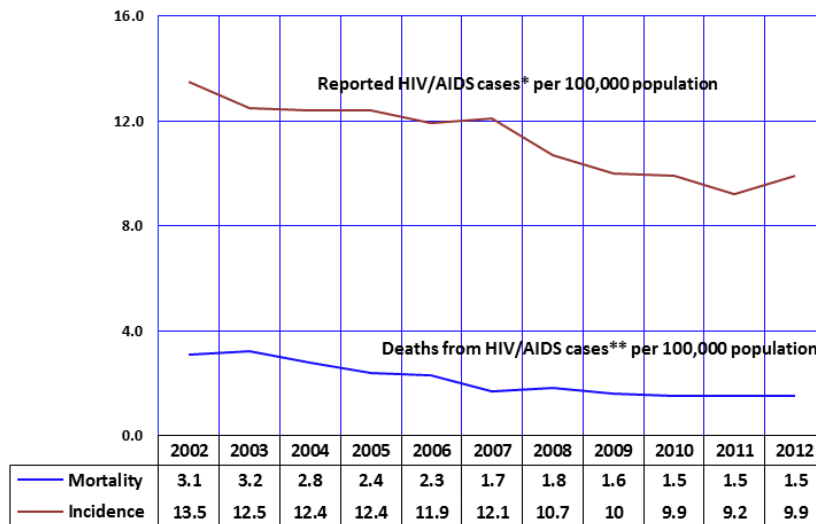


Since the first case of AIDS diagnosed in an Arizona resident in 1981, a total of 20,266 cases of HIV/AIDS had been diagnosed in the State by the end of 2012 and reported by June 10, 2013 (**Table 3C-1**).

In 2012, males accounted for 85.2 percent of all *HIV/AIDS* diagnoses. The male-to-female ratio of *HIV/AIDS* diagnoses in Arizona in 2012 was 5.8:1 (549/95, **Figure 3C-1, Table 3C-2**).

The proportion of risk behaviors attributed to emerging cases of *HIV/AIDS* in 2012 remained similar to previous years. Of the 644 *HIV/AIDS* cases diagnosed in 2012, 3,374 (58.1 percent) were among men who reported sexual contact with other men (**Table 3C-4**). Another 94 (14.6 percent) reported heterosexual contact. An additional 55 (8.5 percent) reported only injecting drugs. Adults without an indicated risk accounted for 13.2 percent of *HIV/AIDS* cases diagnosed in 2012.

**Figure 3C-2**  
Trends in the Incidence Rates of HIV/AIDS and Mortality Rates for HIV Disease by Year, Arizona, 2002-2012



The incidence rate measures the relative risk for *HIV/AIDS* in a population. The incidence rate of *HIV/AIDS* has fallen in Arizona by 26.7 percent from the recent peak of 13.5 cases per 100,000 population in 2002 to 9.9 /100,000 in 2012 (**Figure 3C-2**; the incidence rates for 2002 - 2012 have been re-computed based on the latest volume of the *HIV/AIDS* data as of 7/10/2013).

The rate of deaths from *HIV disease* remained unchanged at 1.5 deaths per 100,000 population from 2010 to 2012 (**Figure 3C-2**).

Of the 644 *HIV/AIDS* cases diagnosed in 2012, 256 (39.8 percent) were White non-Hispanic, 211 (32.8 percent) were Hispanic, 107 were Black (16.6 percent), 46 were American Indian (7.1 percent), and 16 were Asian or Pacific Islander (2.5 percent; based on data in **Table 3C-3**).

Notes: \*By year of diagnosis; \*\*By year of death.