



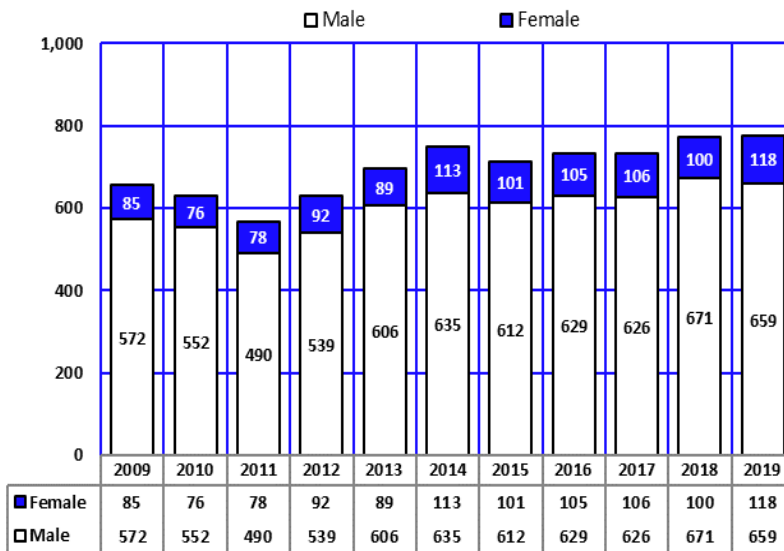
3C.

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

Statistics about the estimated incidence of Human Immunodeficiency Virus (HIV) disease and Acquired Immunodeficiency Syndrome (AIDS) for 1981-2019, as provided by the Office of HIV, STD, and Hepatitis Services, are available in Tables 3C-1, 3C-2, 3C-3, 3C-4, and 5F-3 of this report. In the past, the cases of persons previously reported as HIV positive and subsequently diagnosed with 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.

3C. HIV DISEASE AND AIDS

Figure 3C-1
Reported Cases of HIV/AIDS by Gender and Year of Diagnosis, Arizona, 2009-2019

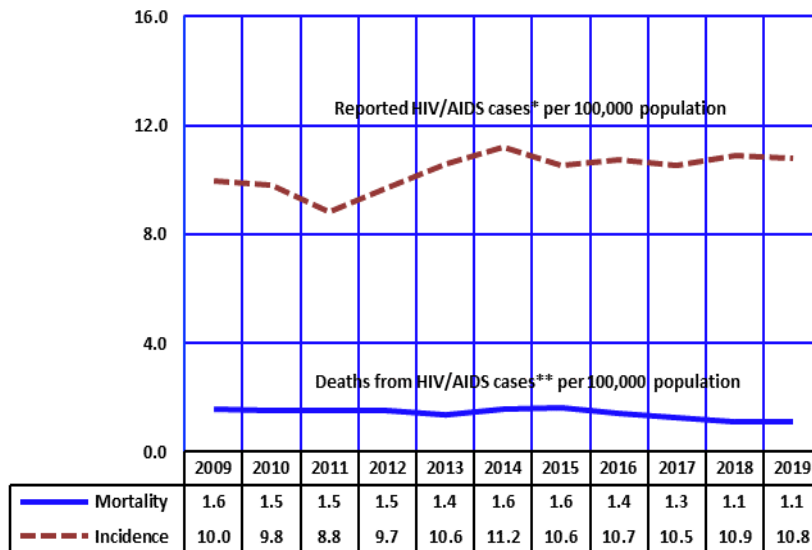


Since the first case of AIDS diagnosed in an Arizona resident in 1981, a total of 25,045 cases of HIV/AIDS had been diagnosed in the State by the end of 2019 and reported by July 1, 2020 (**Table 3C-1**).

In 2019, males accounted for 84.8 percent of all *HIV/AIDS* diagnoses. The male-to-female ratio of *HIV/AIDS* diagnoses in Arizona in 2019 was 5.6:1 (659/118; **Figure 3C-1, Table 3C-2**).

The proportion of risk behaviors attributed to emerging cases of *HIV/AIDS* in 2019 remained similar to previous years. Of the 777 *HIV/AIDS* cases diagnosed in 2019, 449 were among men who reported sexual contact with other men (**Table 3C-4**). Another 65 reported heterosexual contact. An additional 51 reported only injecting drugs. Adults without an indicated risk accounted for 165 of *HIV/AIDS* cases diagnosed in 2019.

Figure 3C-2
Trends in the Incidence Rates of HIV/AIDS and Mortality Rates for HIV Disease by Year, Arizona, 2009-2019



The incidence rate measures the relative risk for *HIV/AIDS* in a population. The incidence rate of *HIV/AIDS* has increased in Arizona by 8.0 percent from 10.0 cases per 100,000 population in 2009 to 10.8/100,000 in 2019 (**Figure 3C-2**; the incidence rates for 2009 – 2019 have been re-computed based on the latest volume of the *HIV/AIDS* data as of 8/3/2020).

The rate of deaths from *HIV disease* remained unchanged from 2014 to 2015, then decreased slightly at 1.4 deaths per 100,000 population in 2016 to 1.1 both in 2018 and 2019 (**Figure 3C-2**).

Of the 777 *HIV/AIDS* cases diagnosed in 2019, 250 were White non-Hispanic, 327 were Hispanic, 134 were Black, 39 were American Indian, and 14 were Asian or Pacific Islander (**Table 3C-3**).

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