



IDAHO DEPARTMENT OF HEALTH & WELFARE

DIVISION OF PUBLIC HEALTH

Reportable Diseases and Conditions

Epidemiology Program

Bureau of Communicable Disease Prevention

Data are updated as of 10/01/2017

Most disease trends begin with data reported during calendar year 1987. Electronic disease case investigation data management began in 1987 with implementation of the National Electronic Telecommunications System for Surveillance (NETSS), later replaced by the National Notifiable Disease Surveillance System (NNDSS) in 2005.

Idaho incidence rates are calculated using population estimates published by the U.S. Census Bureau. Prior to 2005, annual rates were recalculated if the U.S. Census Bureau population estimates were revised. This practice has been discontinued and the population estimate used to calculate incidence rates are provided.

United States rates are from the most recent Centers for Disease Control and Prevention (CDC) publication *MMWR Summary of Notifiable Diseases, United States* (https://www.cdc.gov/mmwr/mmwr_nd/index.html).

Definitions and Methods

Incidence: The number of instances of illness commencing, or of persons falling ill, during a given period of time in a specific population.

Incidence rate: The rate at which new events occur in a population. The numerator is the number of new events that occur in a defined period (incidence); the denominator is the population at risk of experiencing the event during this period.

For data presented here, incidence rates represent the rate per 100,000 population. The following formula is used to calculate annual incidence rates:

$$\frac{\text{Number of cases of disease reported during the calendar year}}{\text{Number of persons living in Idaho during the calendar year}} \times 100,000$$

Annual incidence rates are not presented if disease incidence over the time period has generally been less than 5 cases per year.

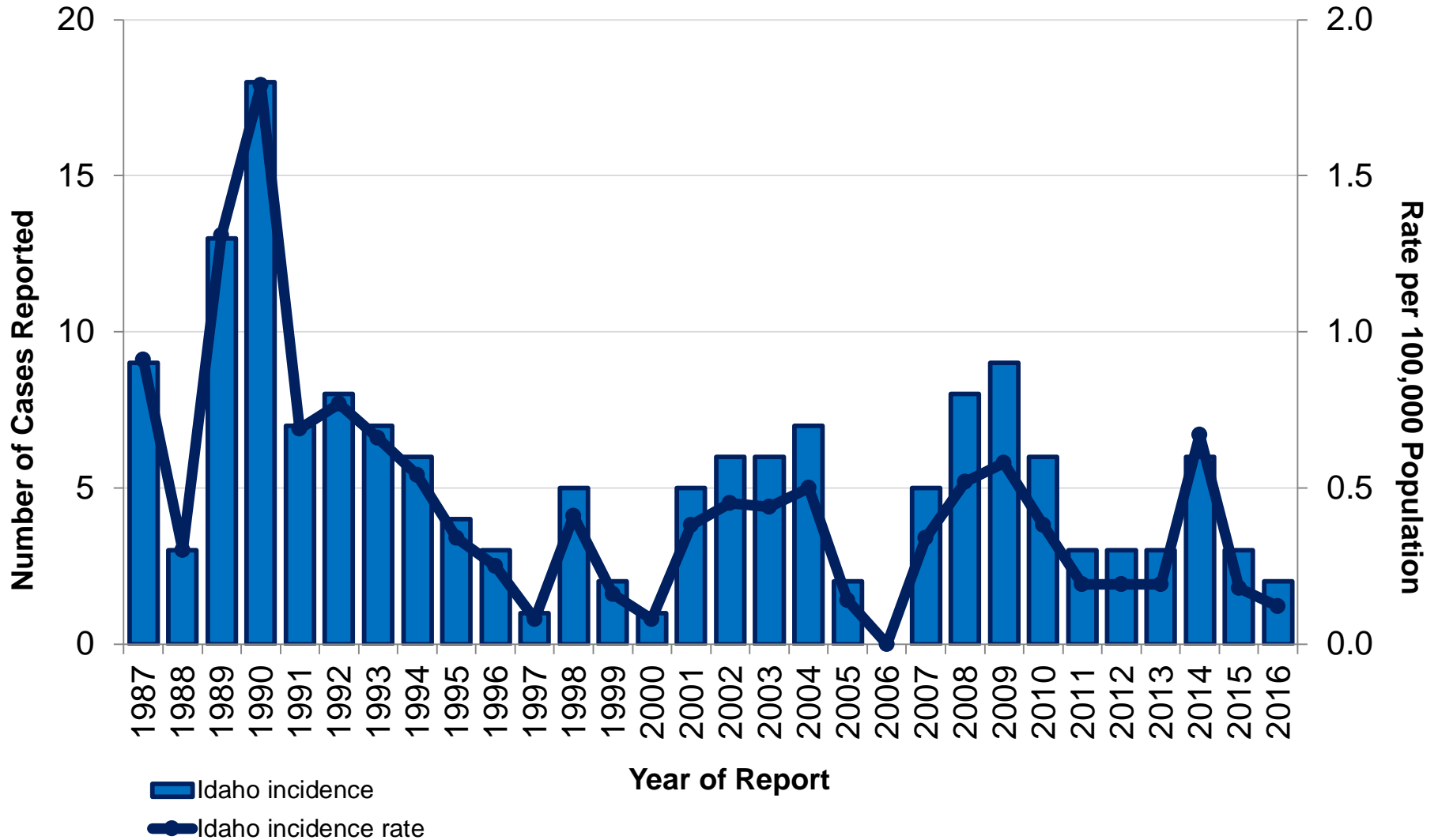
For annual statewide counts of disease (incidence) and by smaller geographic areas (e.g., county), please see the Annual Idaho Reportable Disease Summaries.

U.S. Census Bureau estimates for Idaho population used to calculate incidence rates

July 1, 1987: 984,997	July 1, 2002: 1,341,131
July 1, 1988: 985,664	July 1, 2003: 1,366,332
July 1, 1989: 994,416	July 1, 2004: 1,393,262
July 1, 1990: 1,006,734	July 1, 2005: 1,407,060
July 1, 1991: 1,011,882	July 1, 2006: 1,428,666
July 1, 1992: 1,038,915	July 1, 2007: 1,450,503
July 1, 1993: 1,066,490	July 1, 2008: 1,523,816
July 1, 1994: 1,101,204	July 1, 2009: 1,545,801
July 1, 1995: 1,165,000	July 1, 2010: 1,567,582
July 1, 1996: 1,187,706	July 1, 2011: 1,584,985
July 1, 1997: 1,210,638	July 1, 2012: 1,595,728
July 1, 1998: 1,230,923	July 1, 2013: 1,612,136
July 1, 1999: 1,251,700	July 1, 2014: 1,634,464
July 1, 2000: 1,299,721	July 1, 2015: 1,654,930
July 1, 2001: 1,320,585	July 1, 2016: 1,683,140

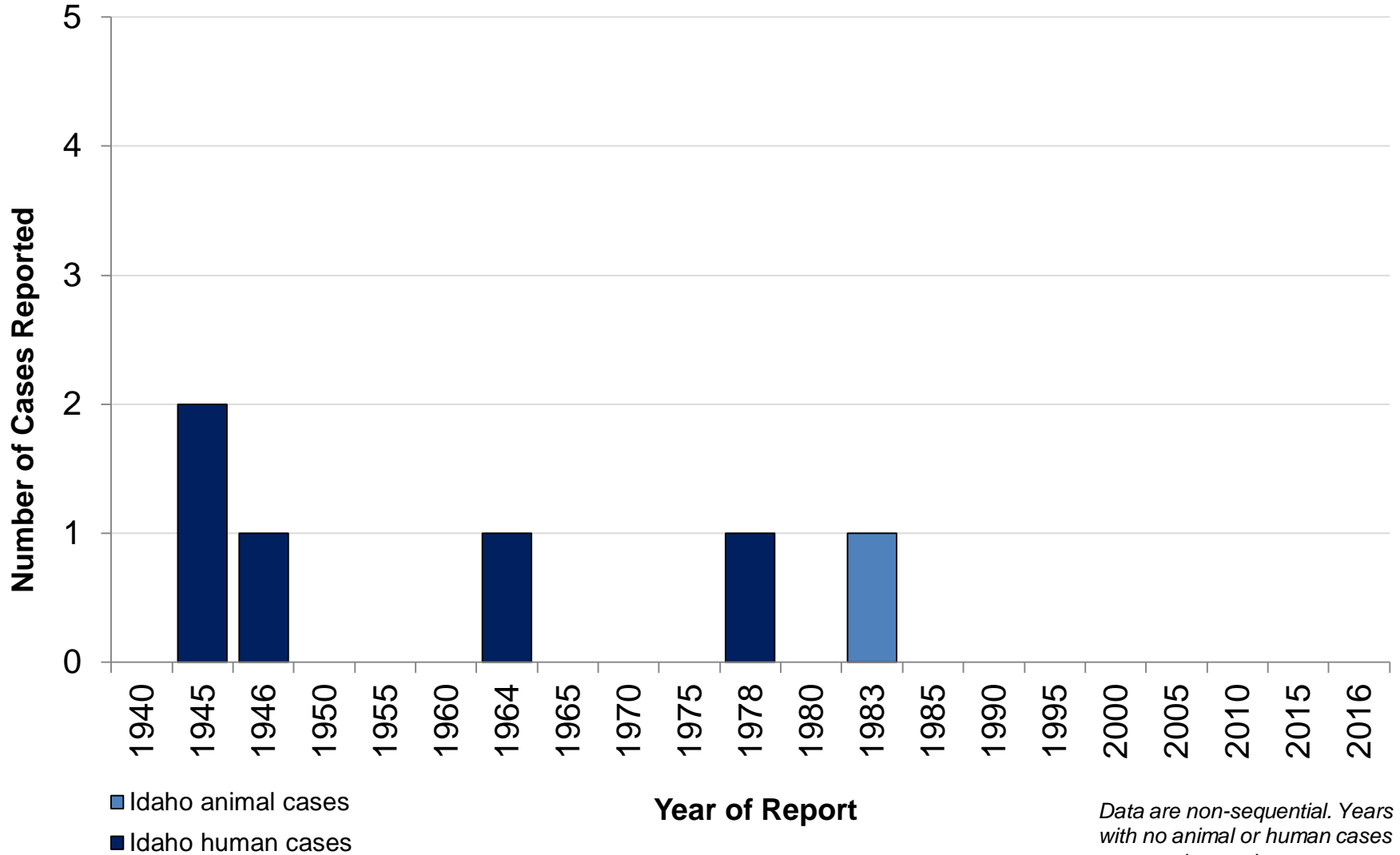
Amebiasis

Cases and rate of disease per 100,000 population: Idaho, 1987 – 2016



Anthrax

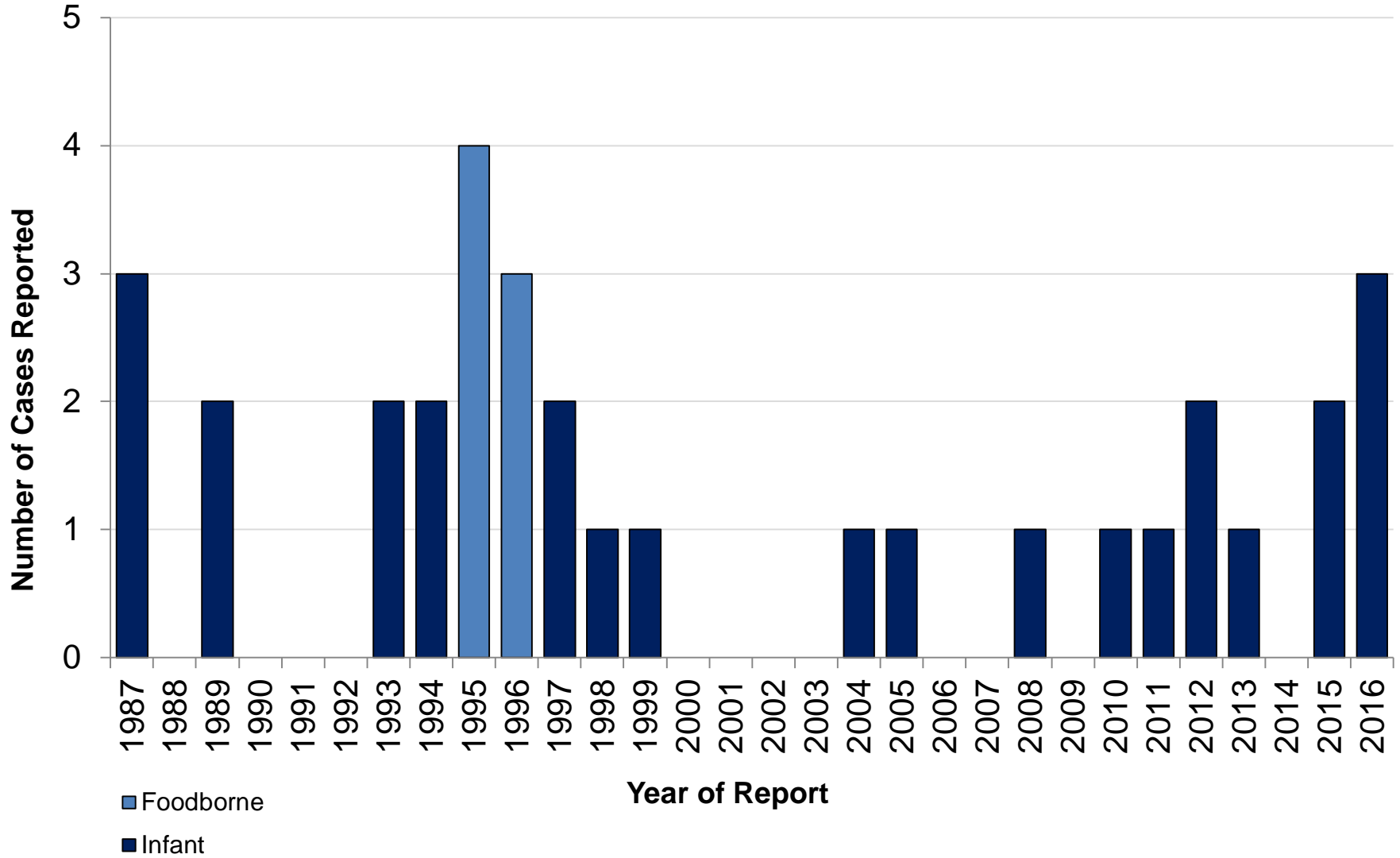
Human and animal cases: Idaho, 1940 - 2016



Data are non-sequential. Years with no animal or human cases are not always shown.

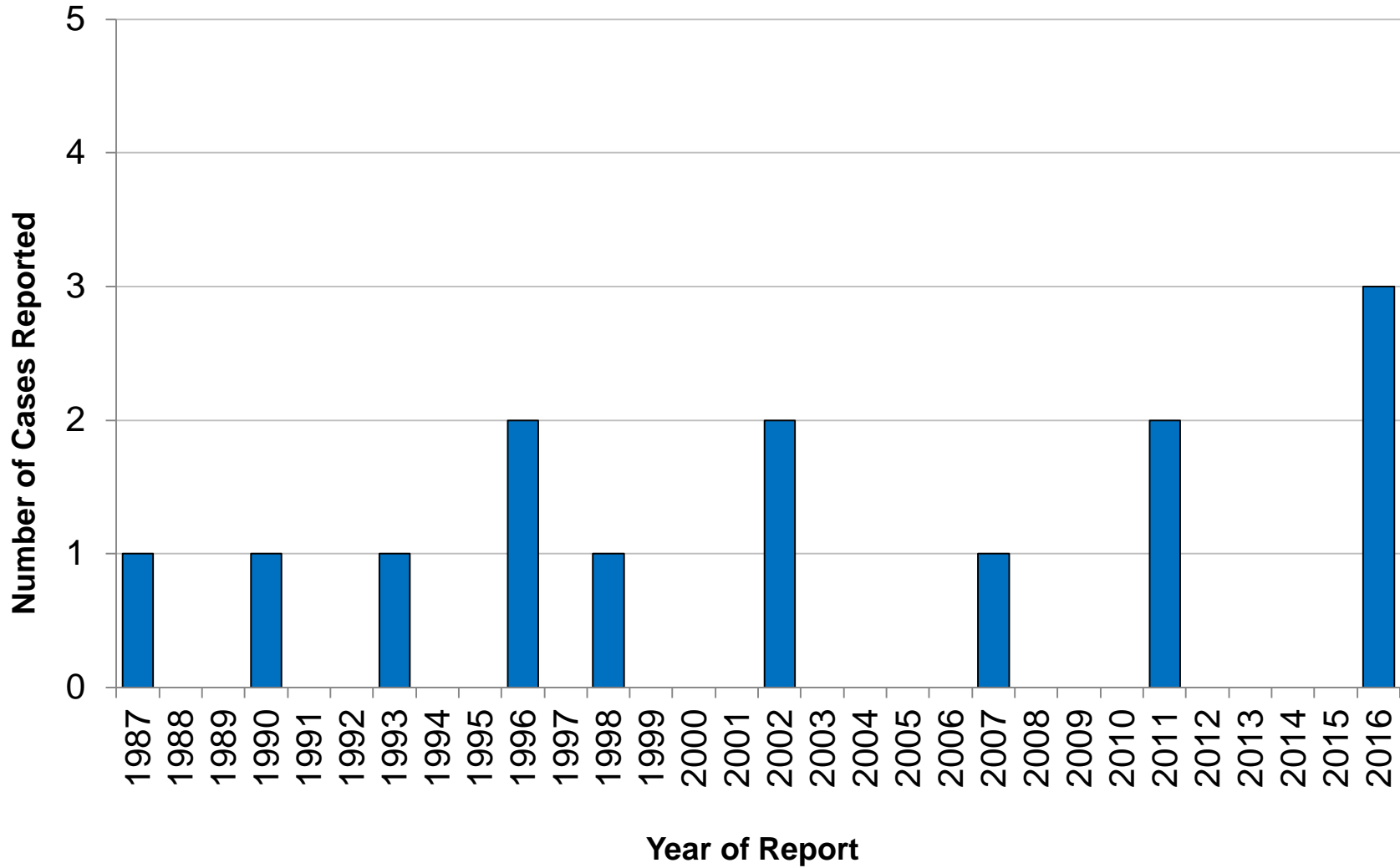
Botulism

Cases: Idaho, 1987 - 2016



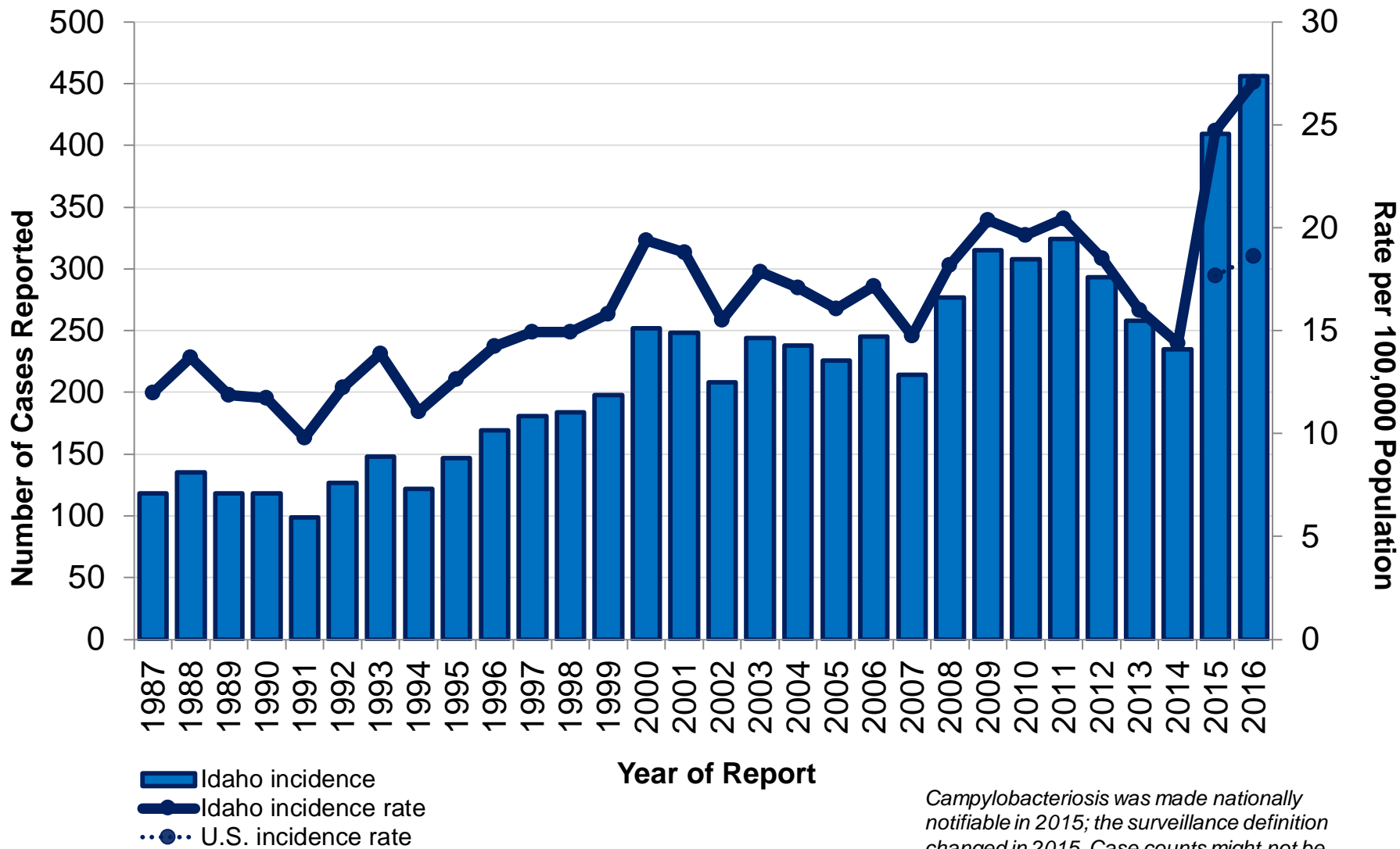
Brucellosis

Cases: Idaho, 1987 - 2016



Campylobacteriosis

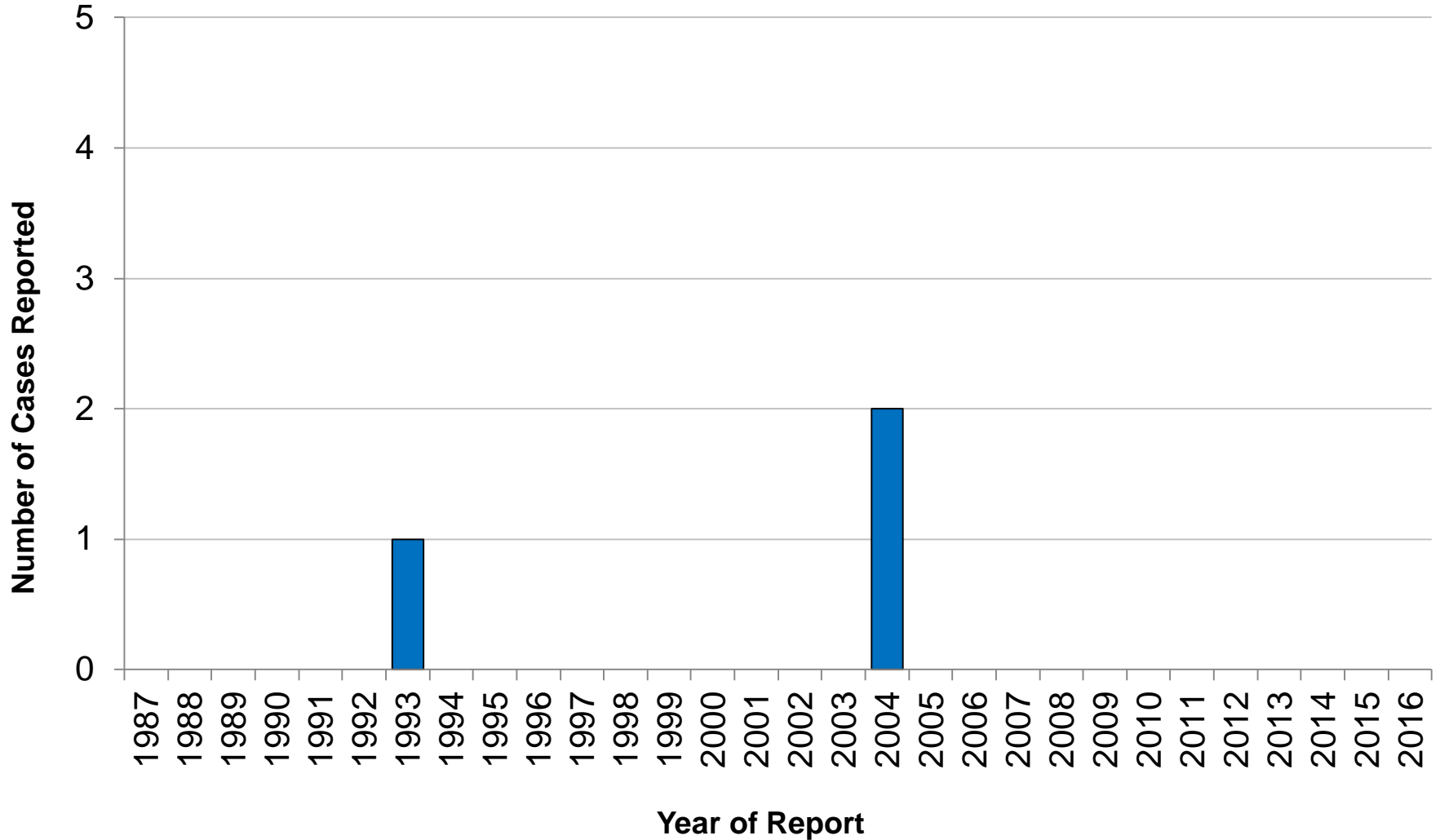
Cases and rate of disease per 100,000 population: Idaho, 1987 – 2016



Campylobacteriosis was made nationally notifiable in 2015; the surveillance definition changed in 2015. Case counts might not be comparable to previous years.

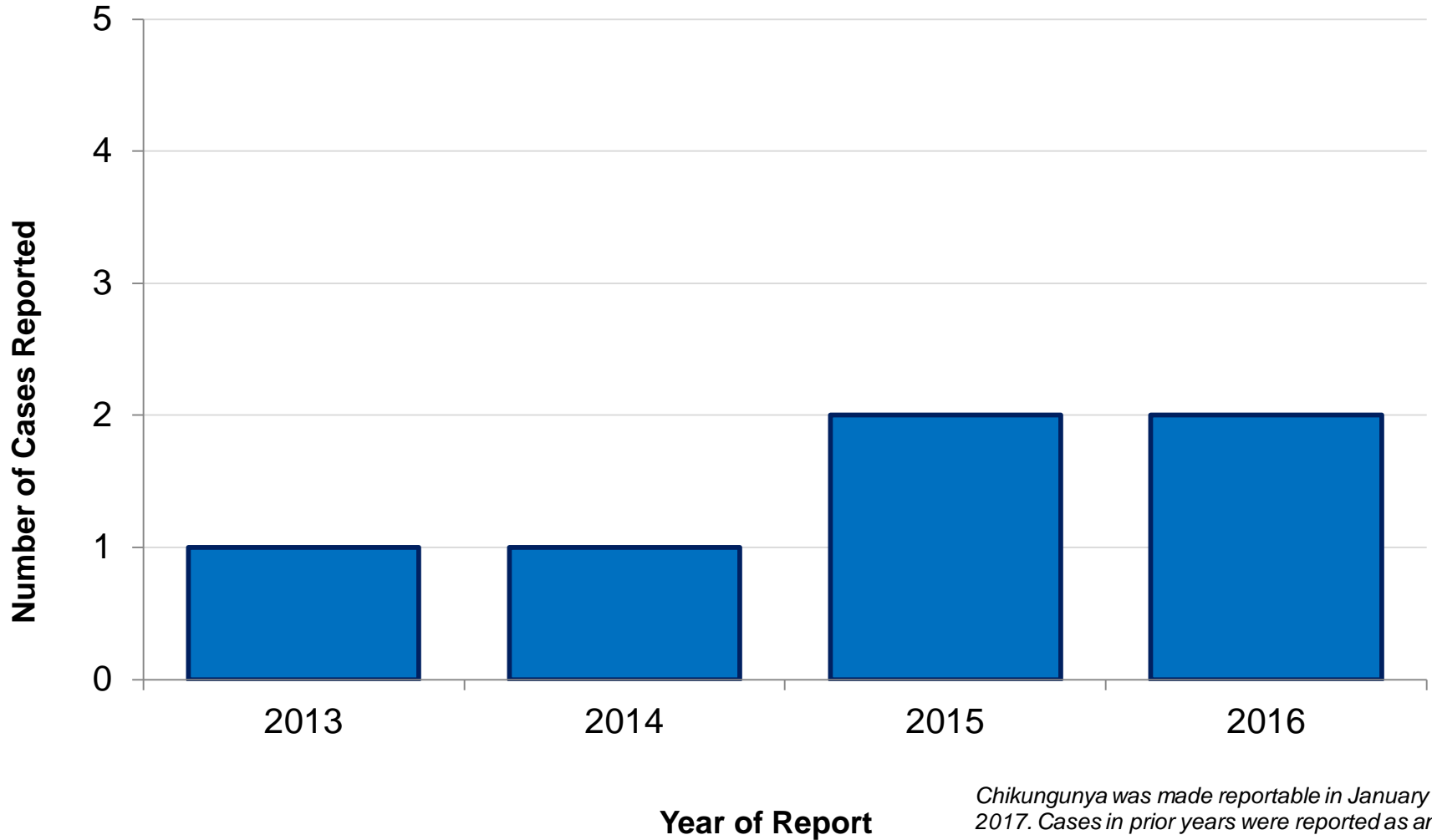
Chancroid

Cases: Idaho, 1987 - 2016



Chikungunya

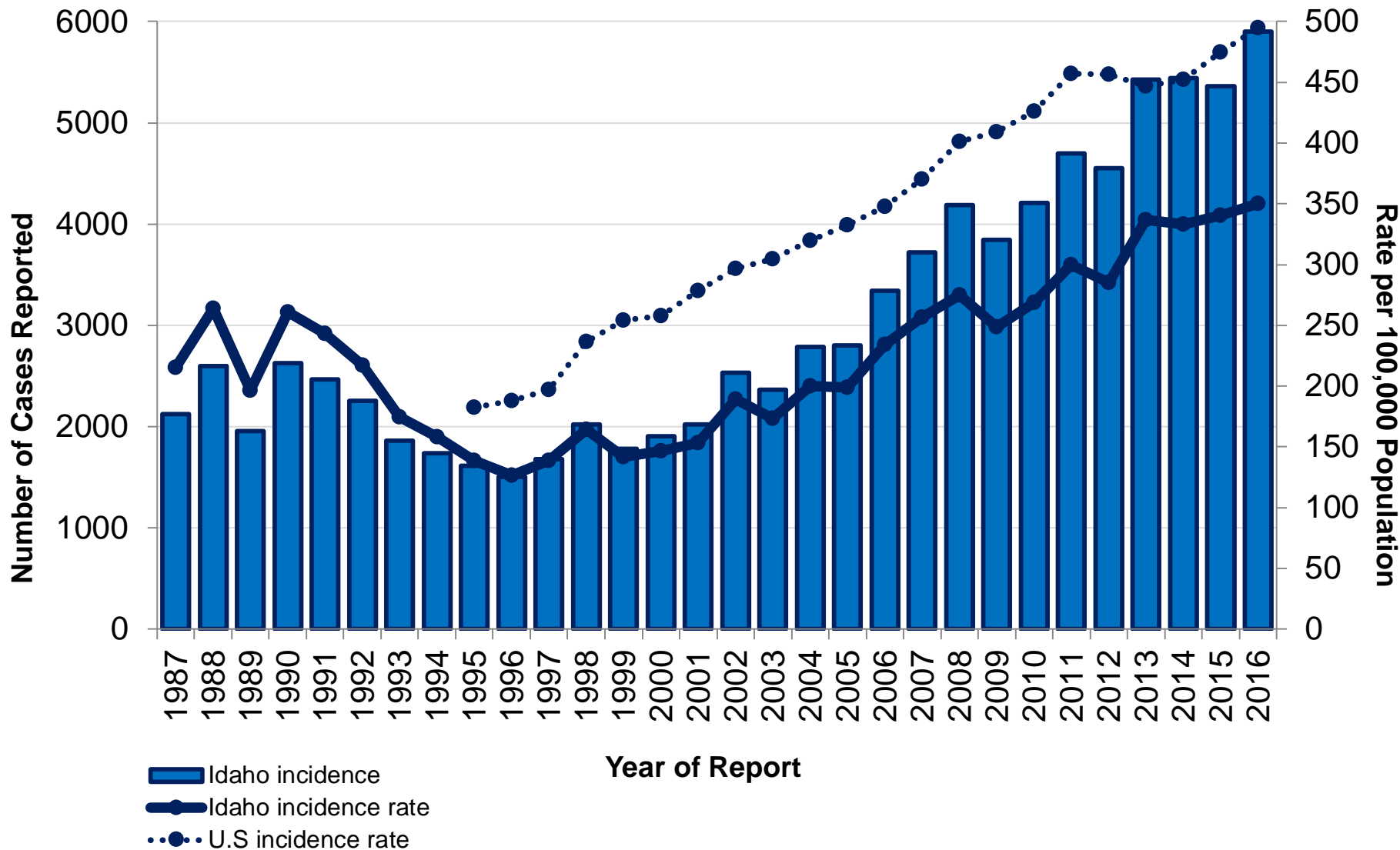
Cases: Idaho, 2013 – 2016



Chikungunya was made reportable in January 2017. Cases in prior years were reported as an "Extraordinary Occurrence of Illness" under Idaho Reportable Disease laws

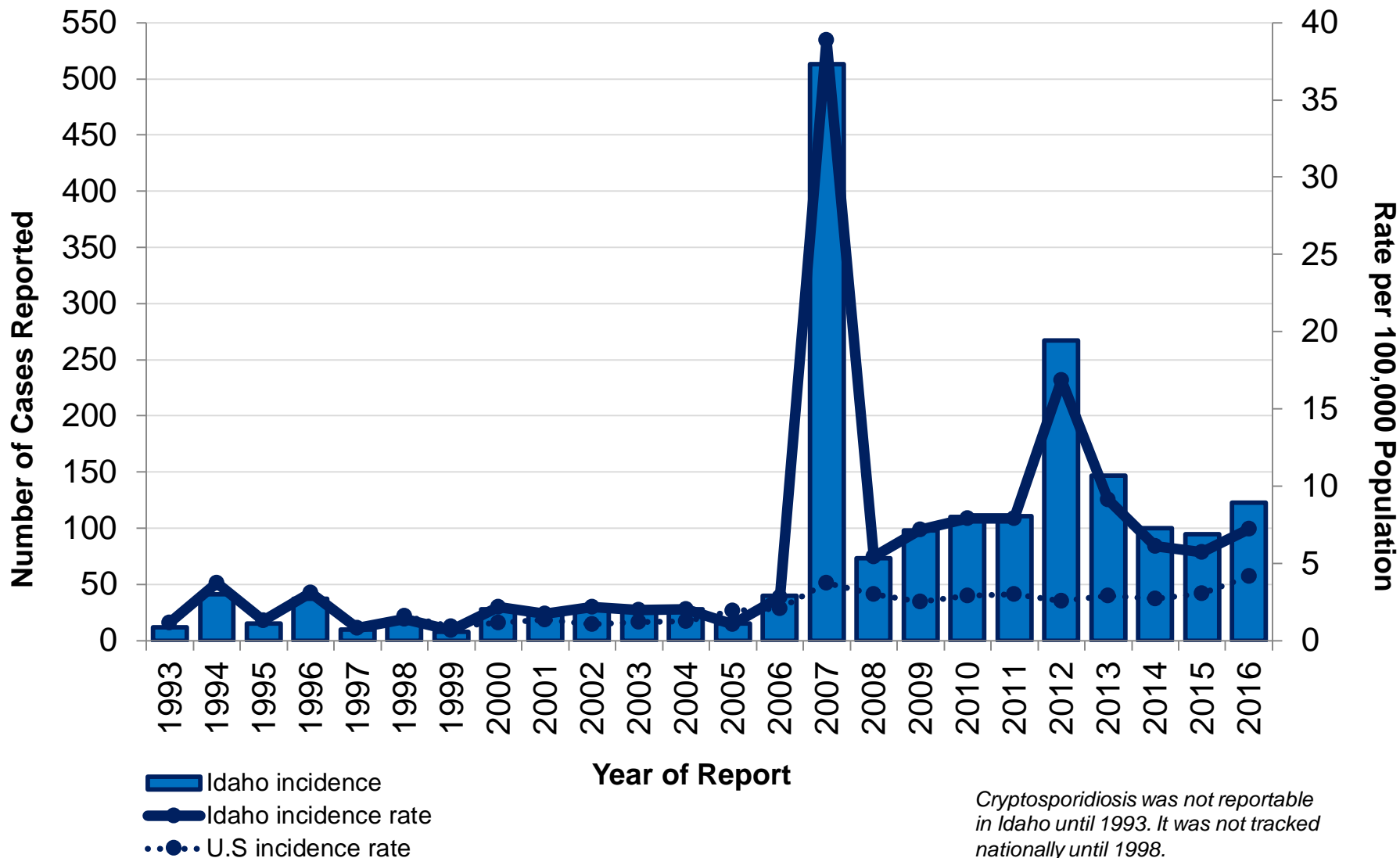
Chlamydia

Cases and rate of disease per 100,000 population: Idaho and U.S, 1987 – 2016



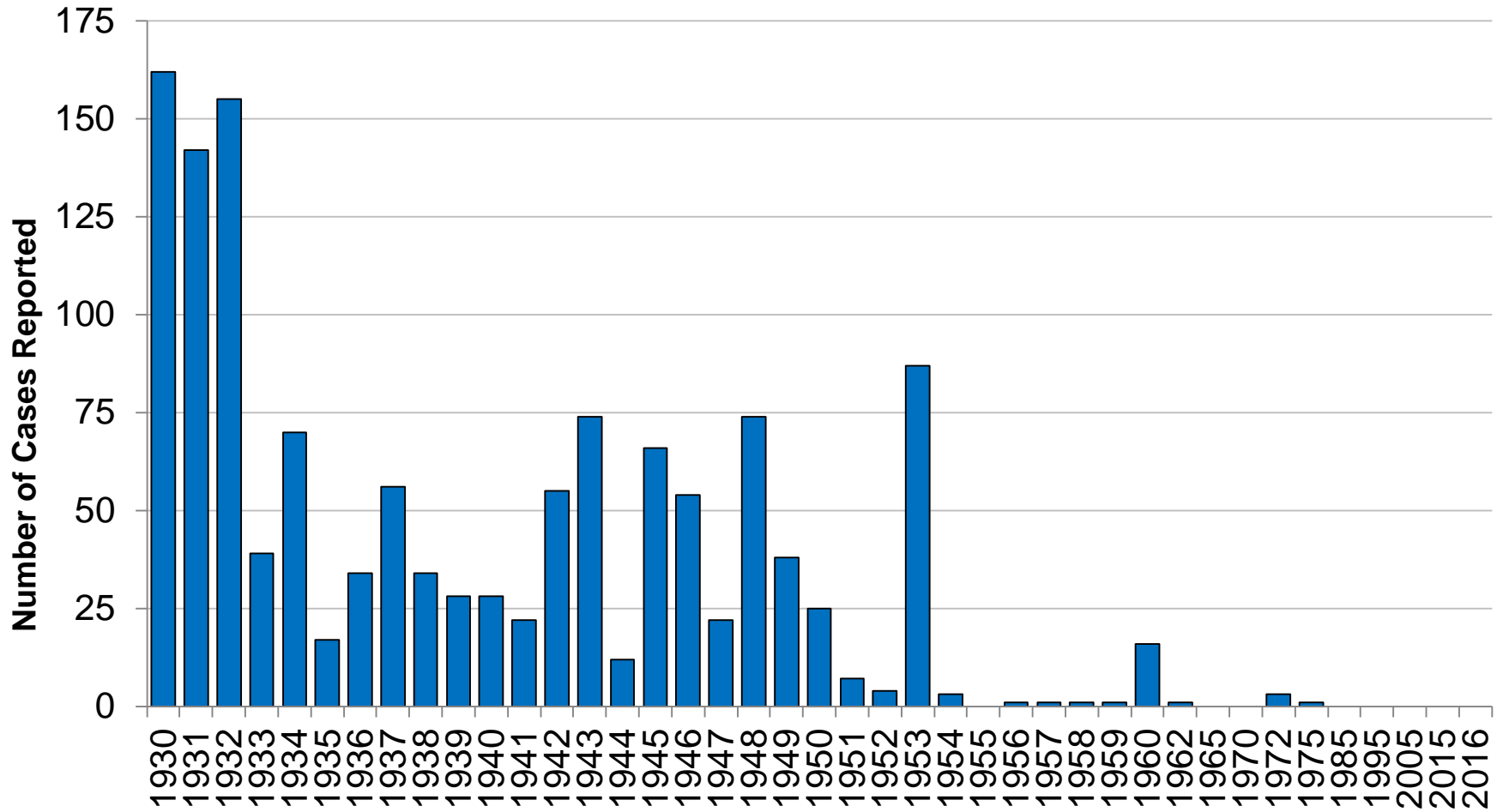
Cryptosporidiosis

Cases and rate of disease per 100,000 population: Idaho and U.S, 1993 – 2016



Diphtheria

Cases: Idaho, 1930 - 2016

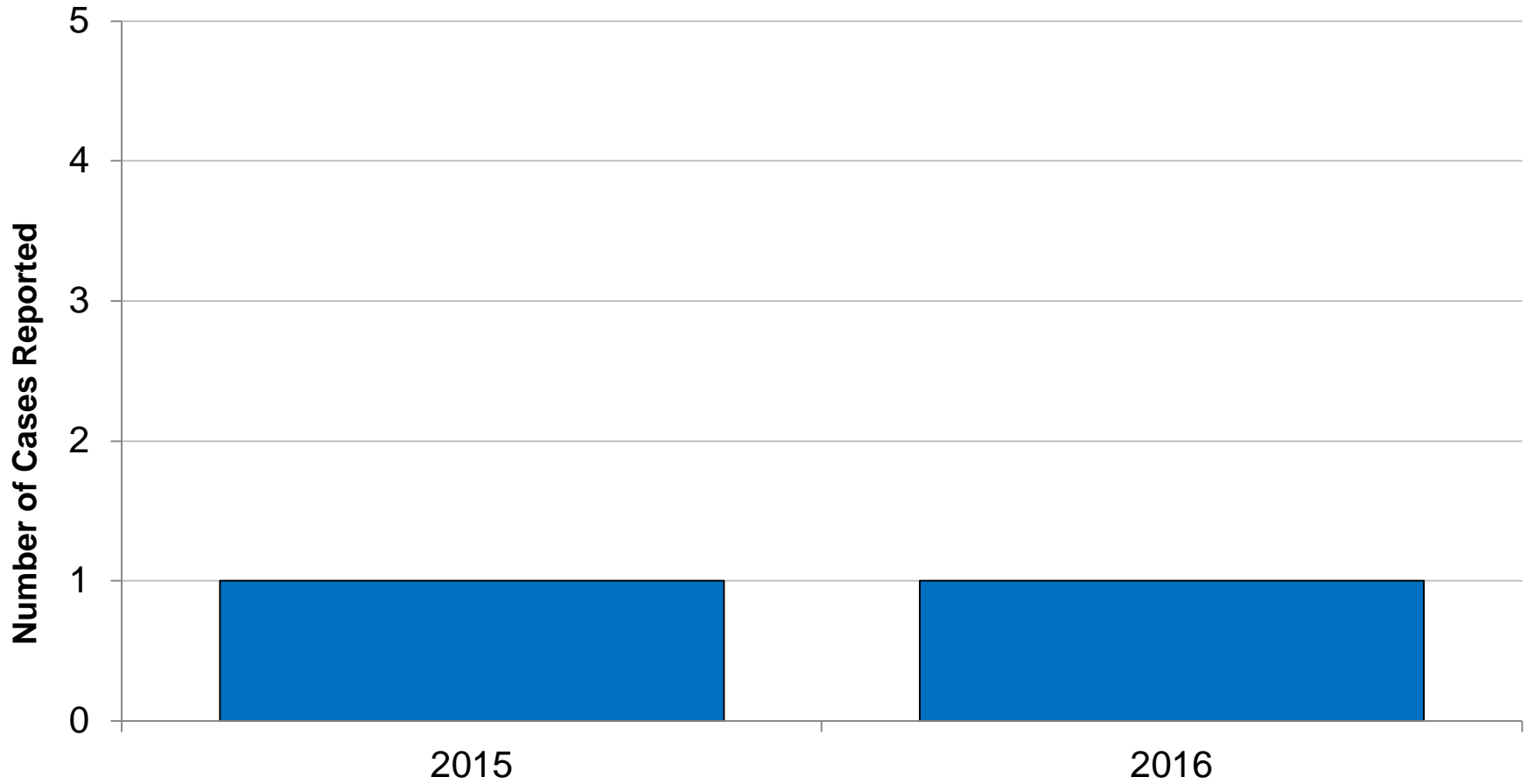


Year of Report

Data are non-sequential. Years with no cases are not always shown.

Echinococcosis

Cases: Idaho, 2015-2016

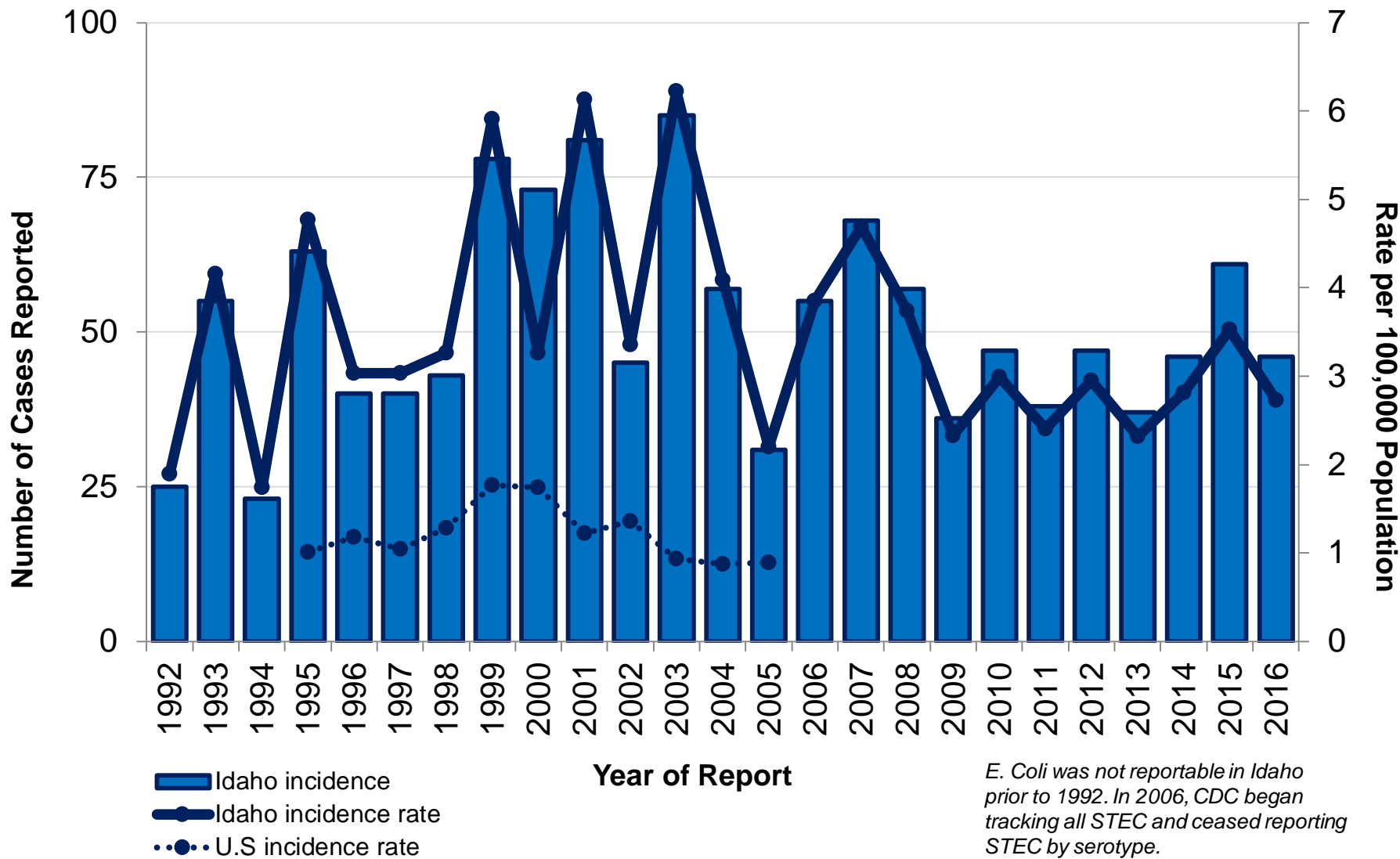


Year of Report

Echinococcosis was made reportable in Idaho in 2015.

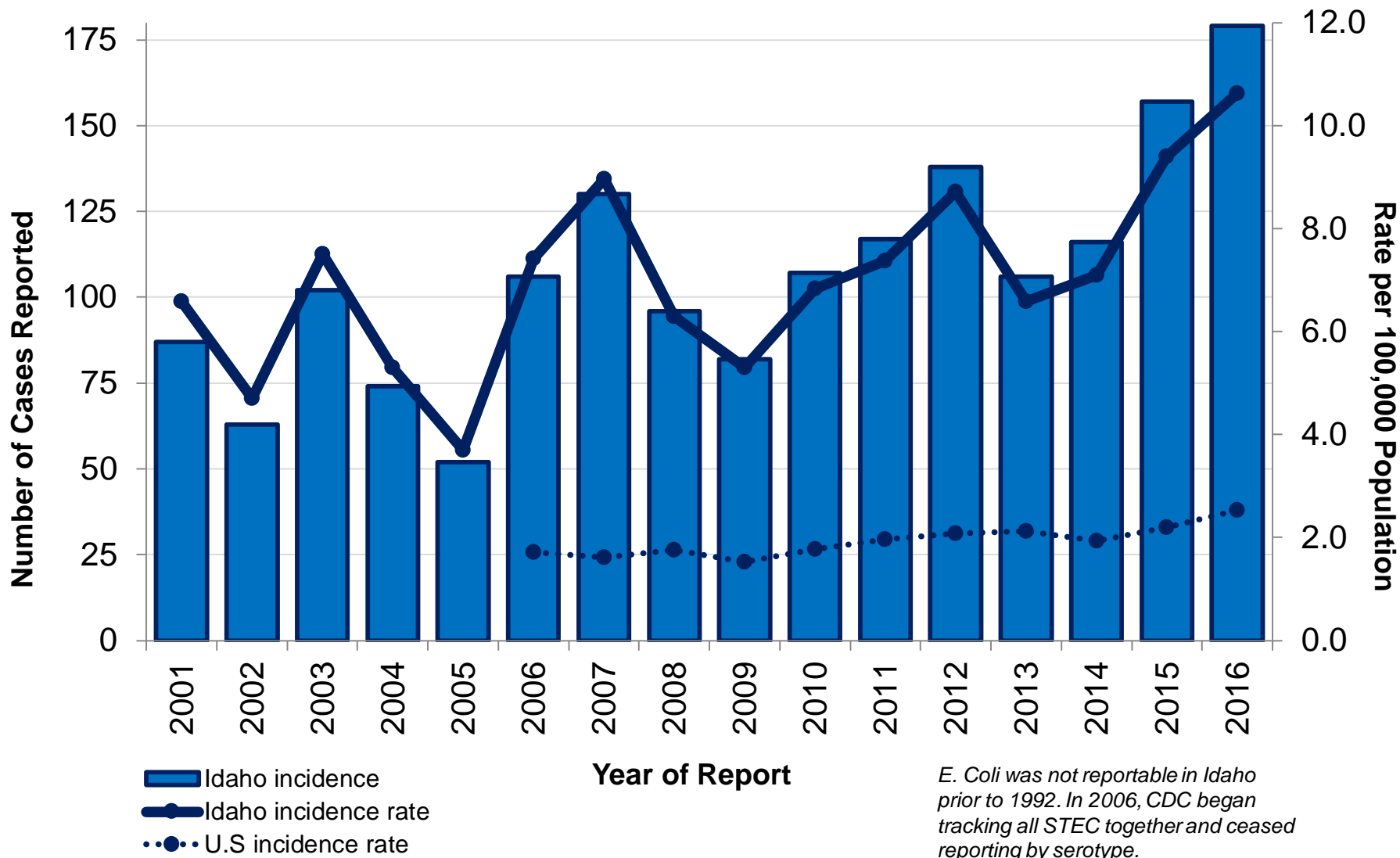
E. Coli O157:H7

Cases and rate of disease per 100,000 population: Idaho and U.S, 1992 – 2016



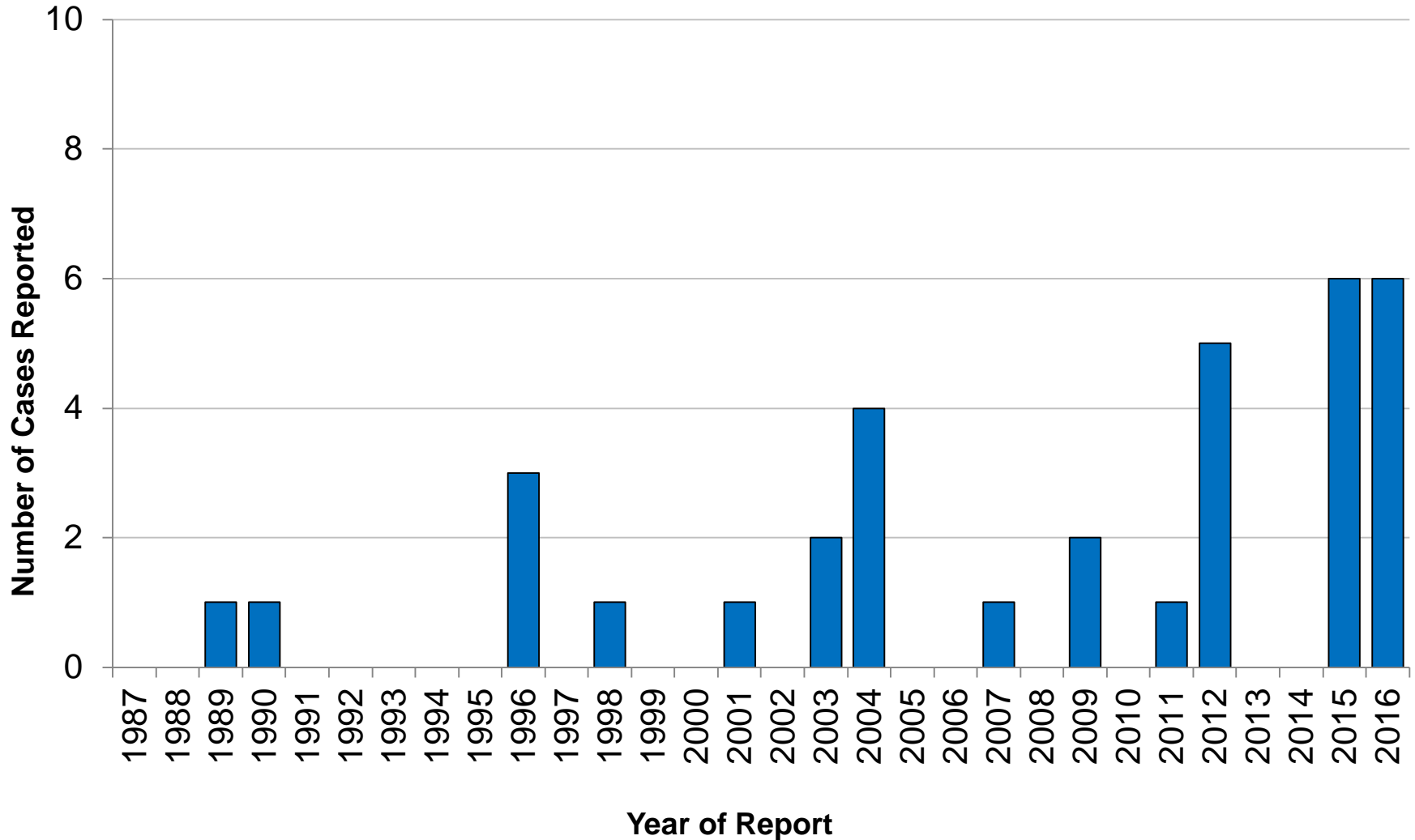
E. Coli STEC

Cases and rate of disease per 100,000 population: Idaho and U.S, 2001 – 2016



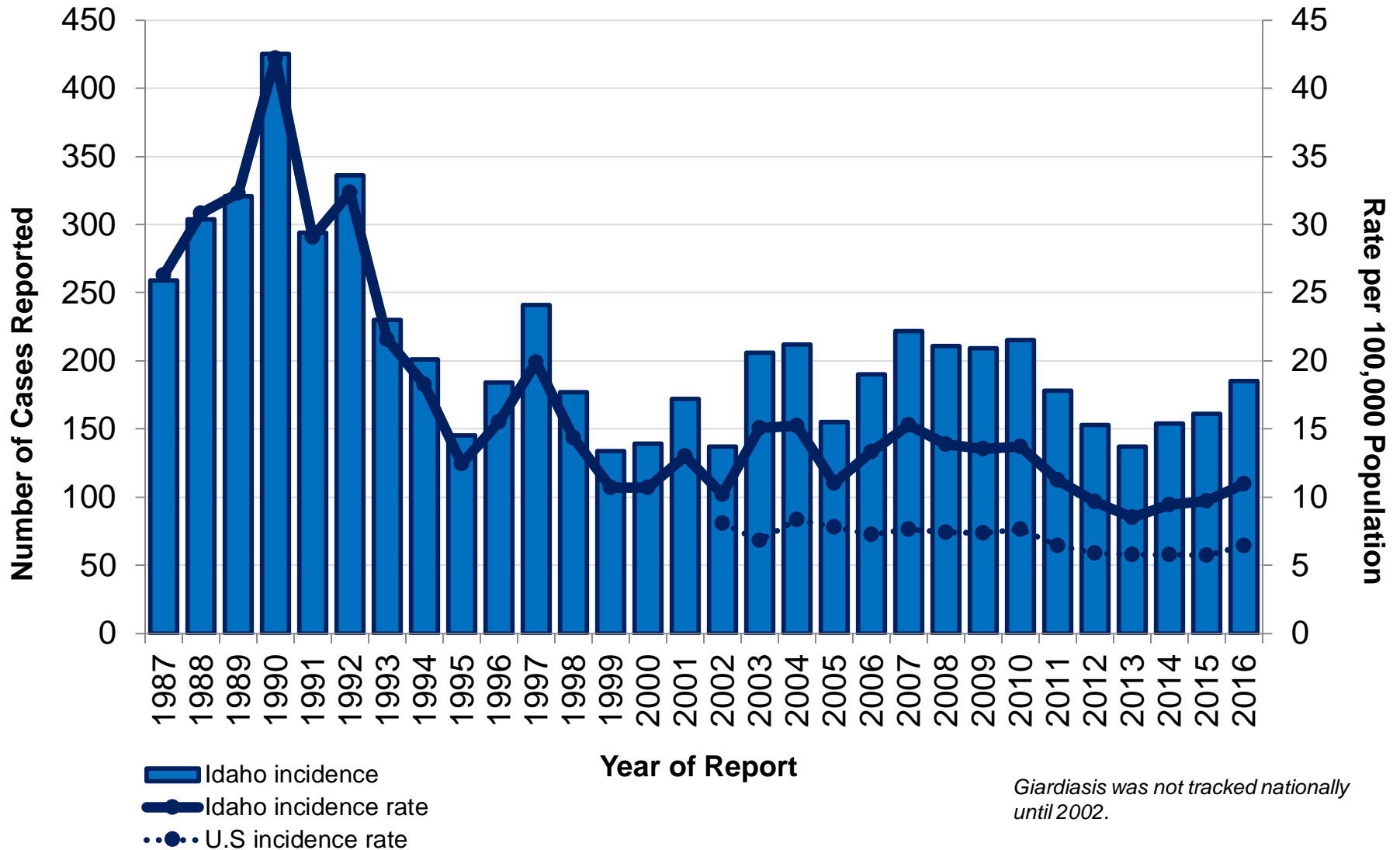
Encephalitis, viral or aseptic

Cases: Idaho, 1987 – 2016



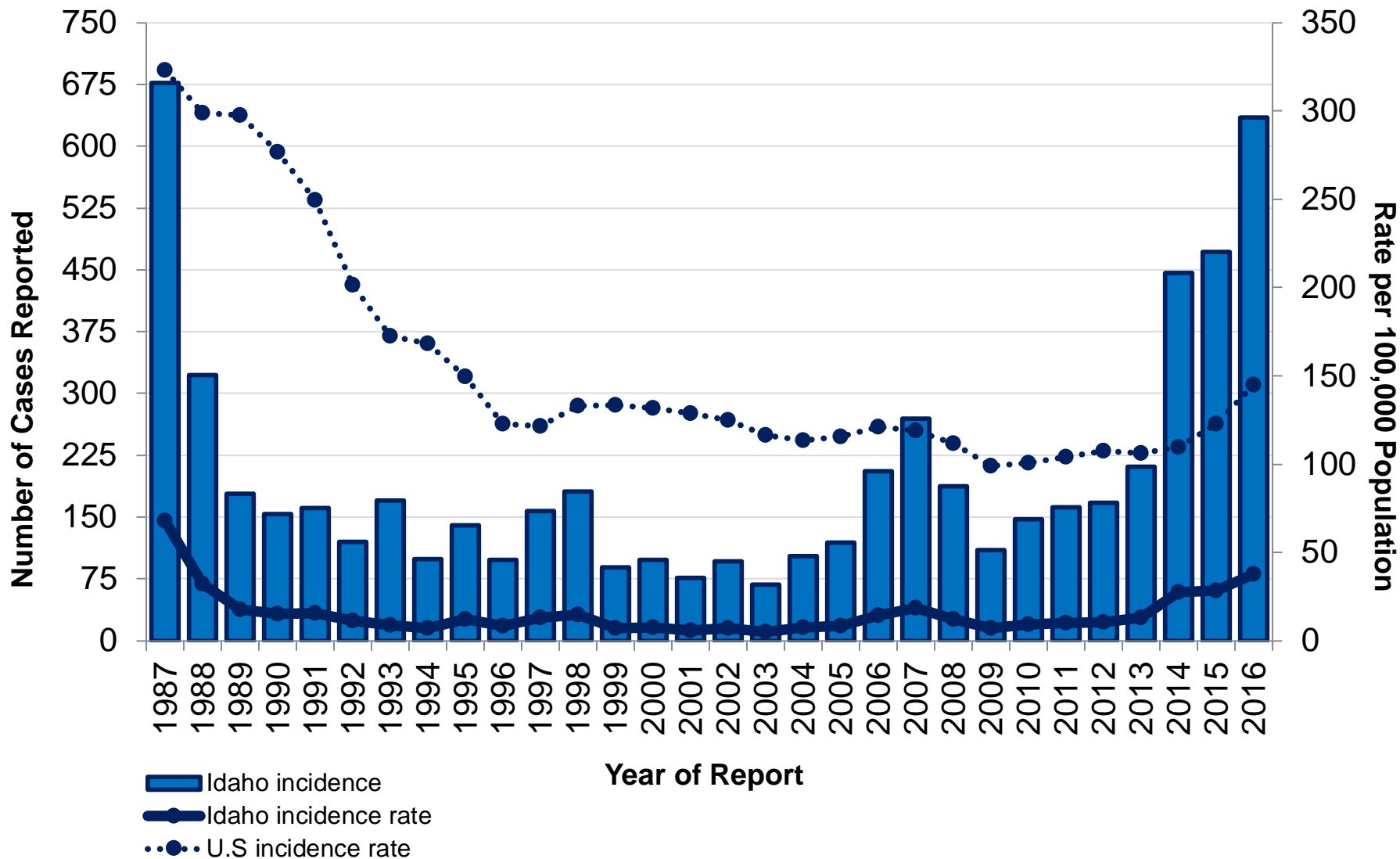
Giardiasis

Cases and rate of disease per 100,000 population: Idaho and U.S, 1987 – 2016



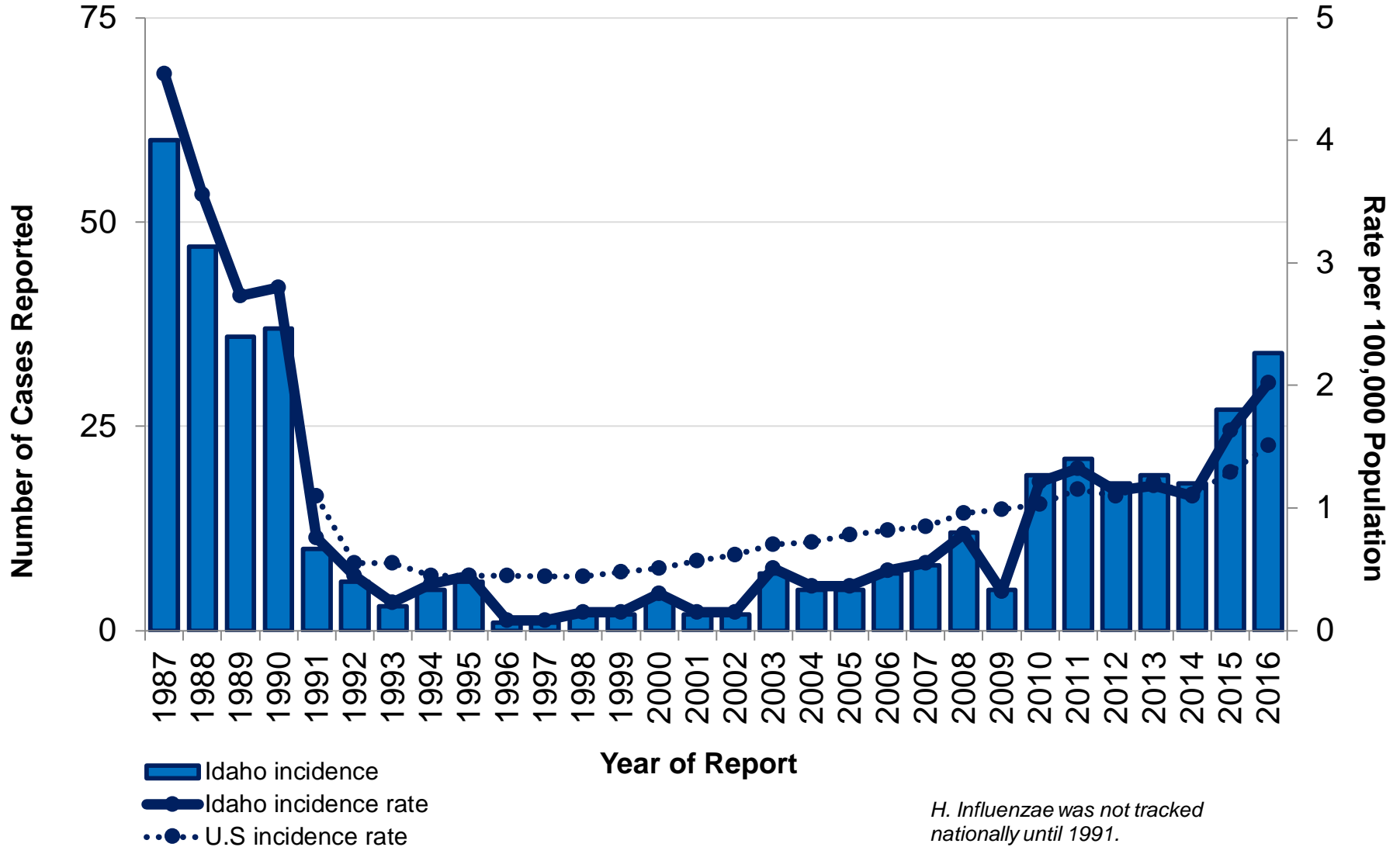
Gonorrhea

Cases and rate of disease per 100,000 population: Idaho and U.S, 1987 – 2016



Haemophilus influenzae invasive disease

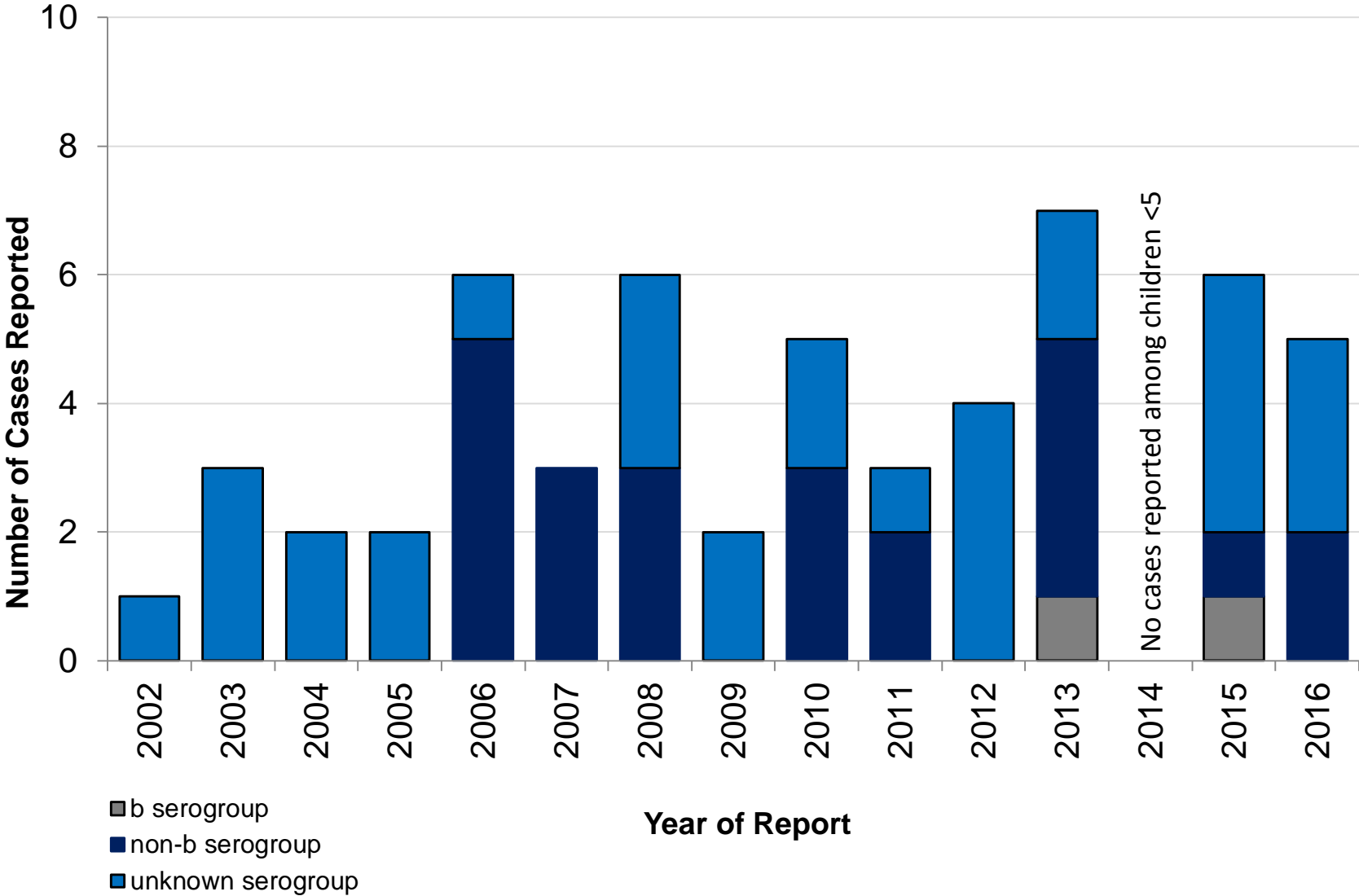
Cases and rate of disease per 100,000 population: Idaho and U.S, 1987 – 2016



H. Influenzae was not tracked nationally until 1991.

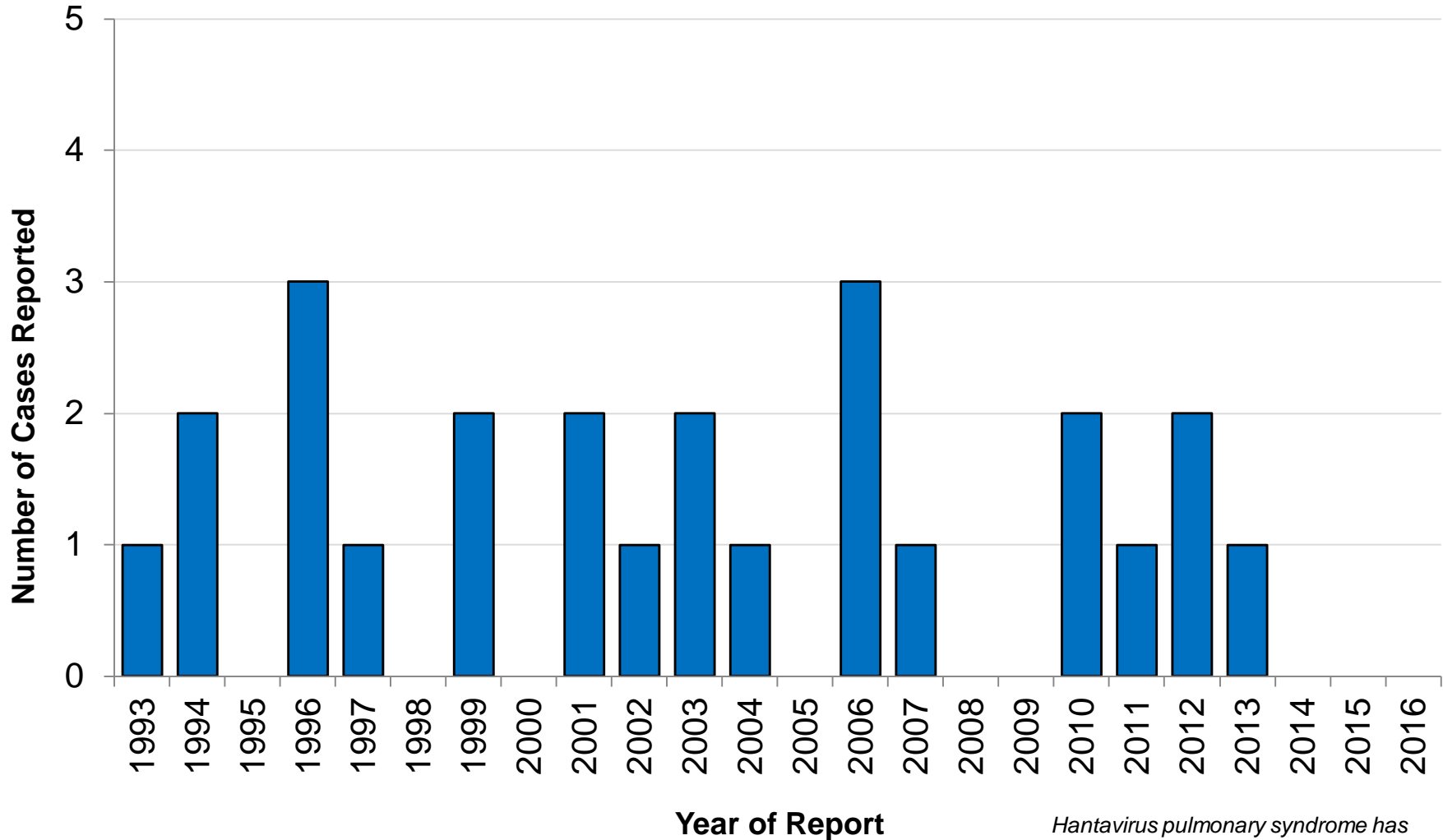
Haemophilus influenzae invasive disease

Cases among children <5 years of age by serogroup: Idaho, 2002 - 2016



Hantavirus Pulmonary Syndrome

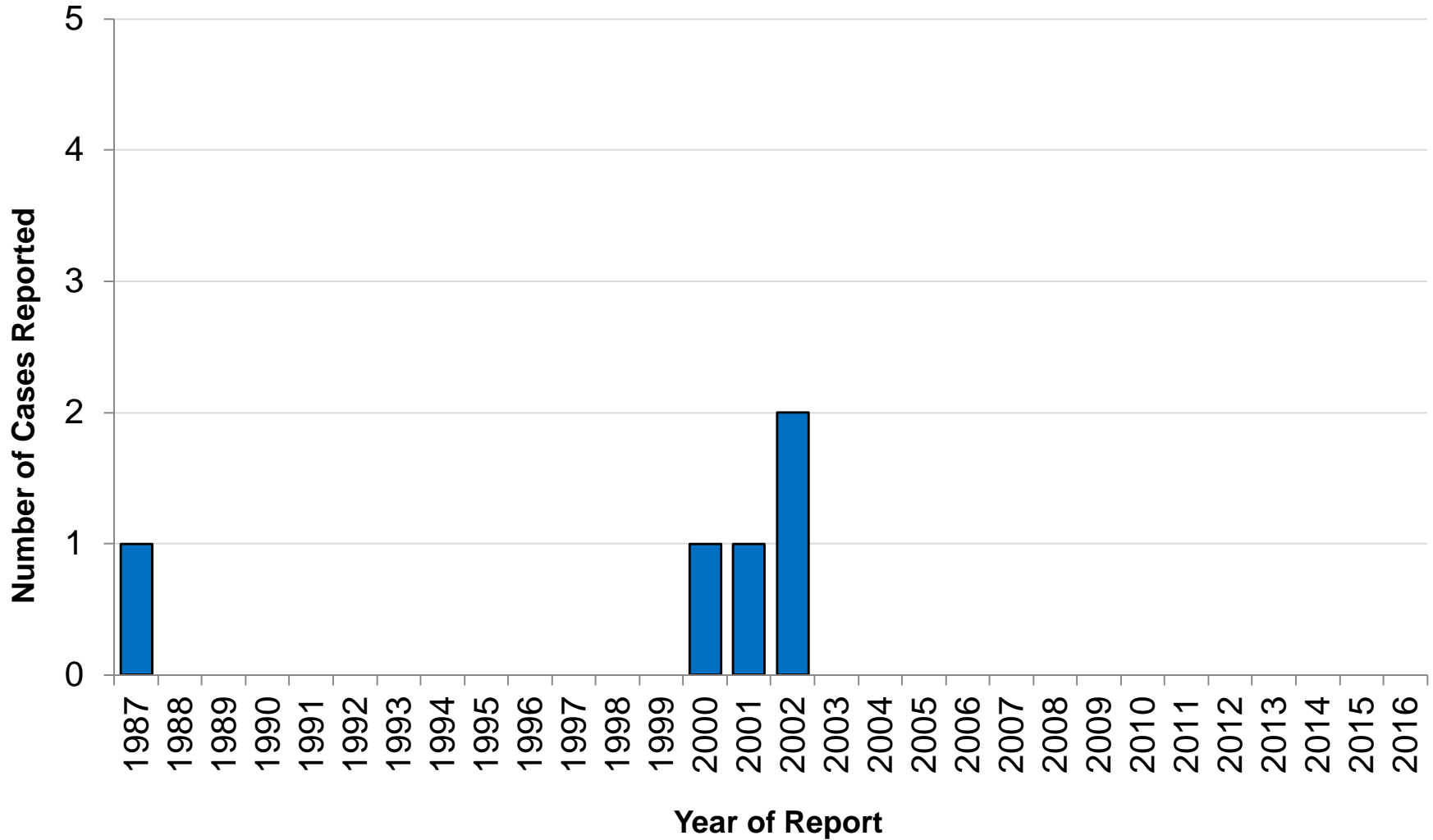
Cases: Idaho, 1993 – 2016



Hantavirus pulmonary syndrome has been tracked nationally since 1995. It was made reportable in Idaho in 2001, but cases have been recognized retrospectively, including one 1978 case (data not shown).

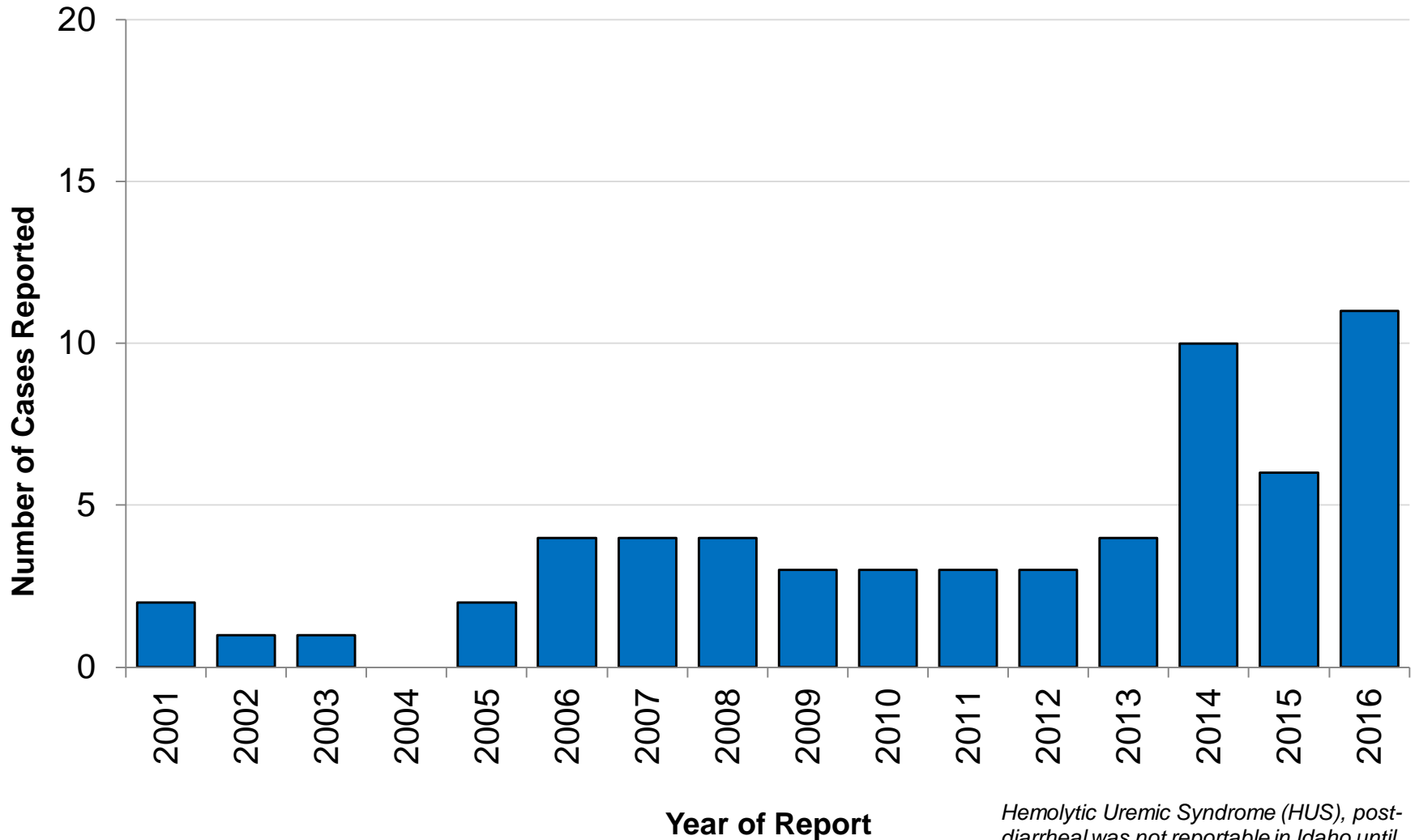
Hansen's Disease (Leprosy)

Cases: Idaho, 1987 – 2016



Hemolytic Uremic Syndrome

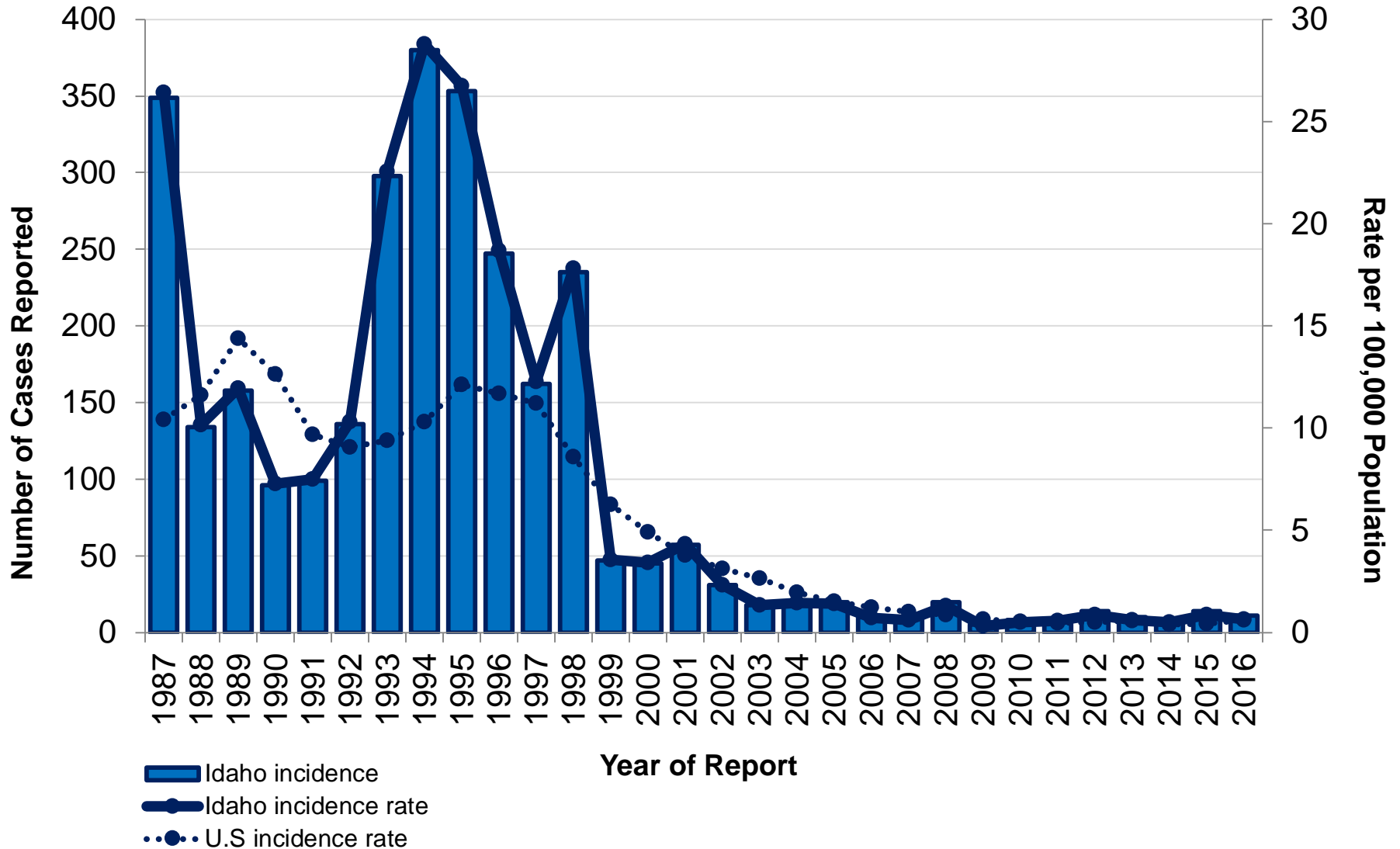
Cases: Idaho, 2001 – 2016



Hemolytic Uremic Syndrome (HUS), post-diarrheal was not reportable in Idaho until 2001. Not all HUS cases reported result from STEC infection.

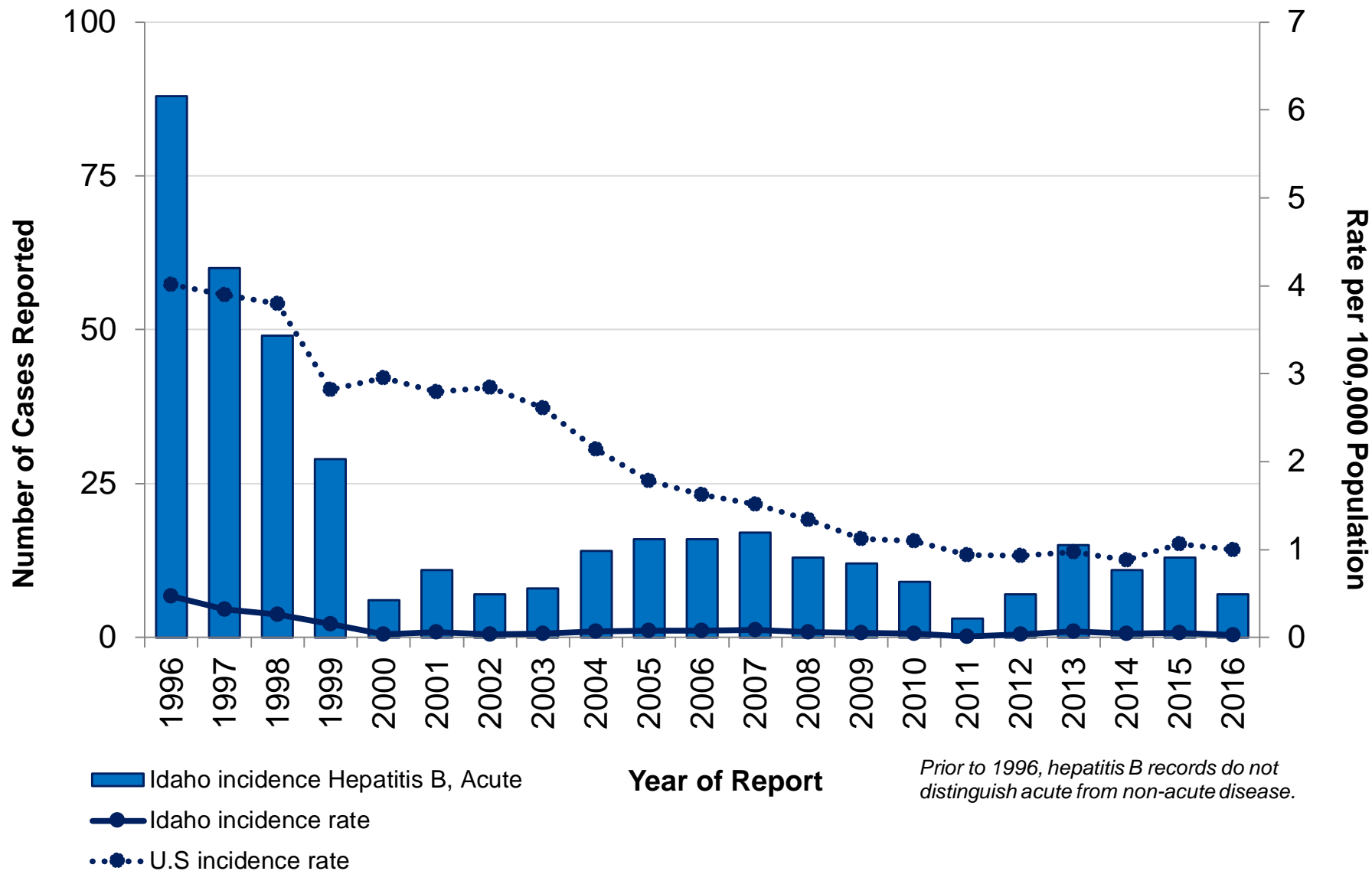
Hepatitis A

Cases and rate of disease per 100,000 population: Idaho and U.S, 1987 – 2016



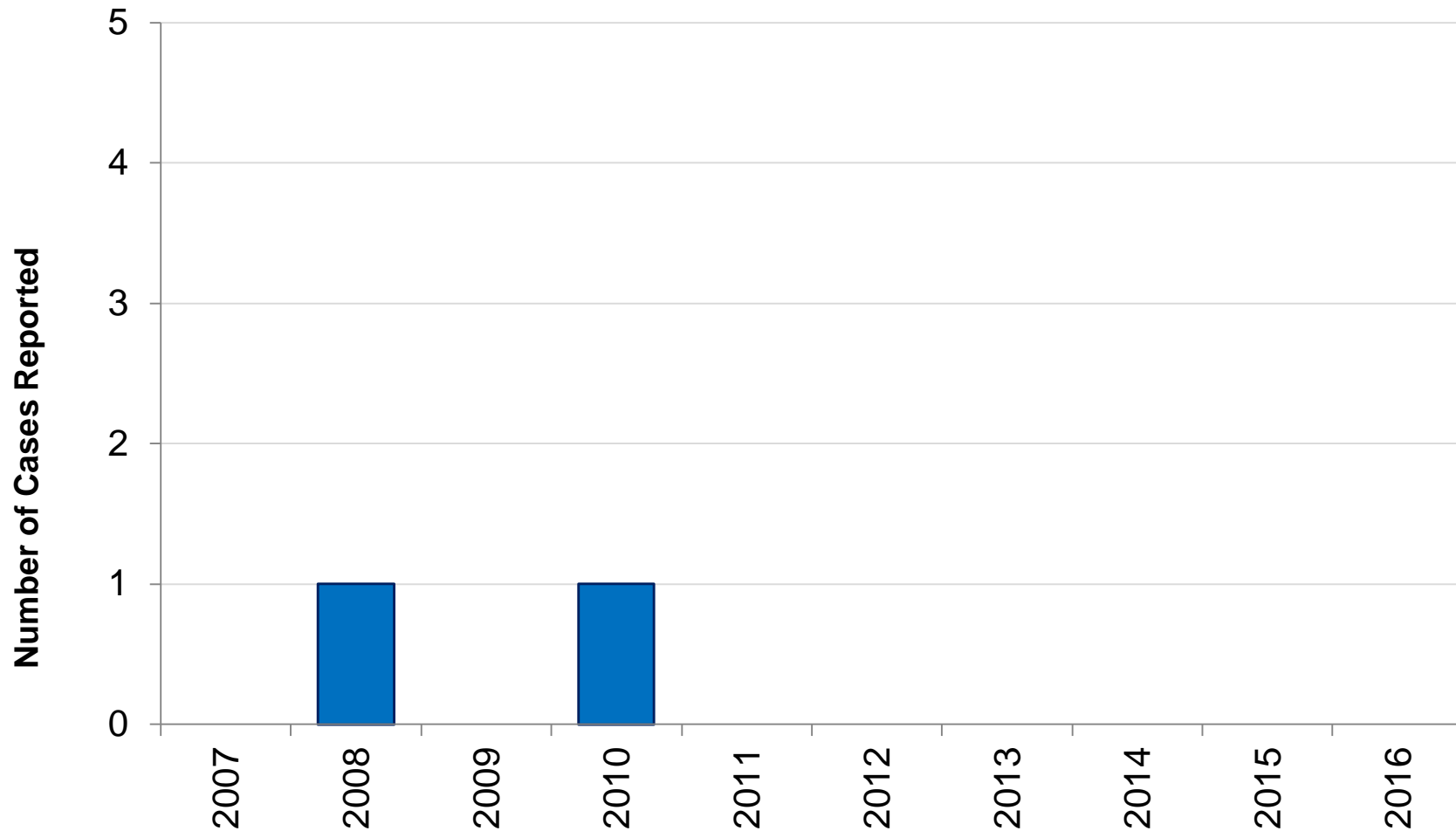
Hepatitis B, Acute

Cases and rate of disease per 100,000 population: Idaho and U.S, 1996 – 2016



Hepatitis B, Perinatal

Cases: Idaho, 2007 – 2016

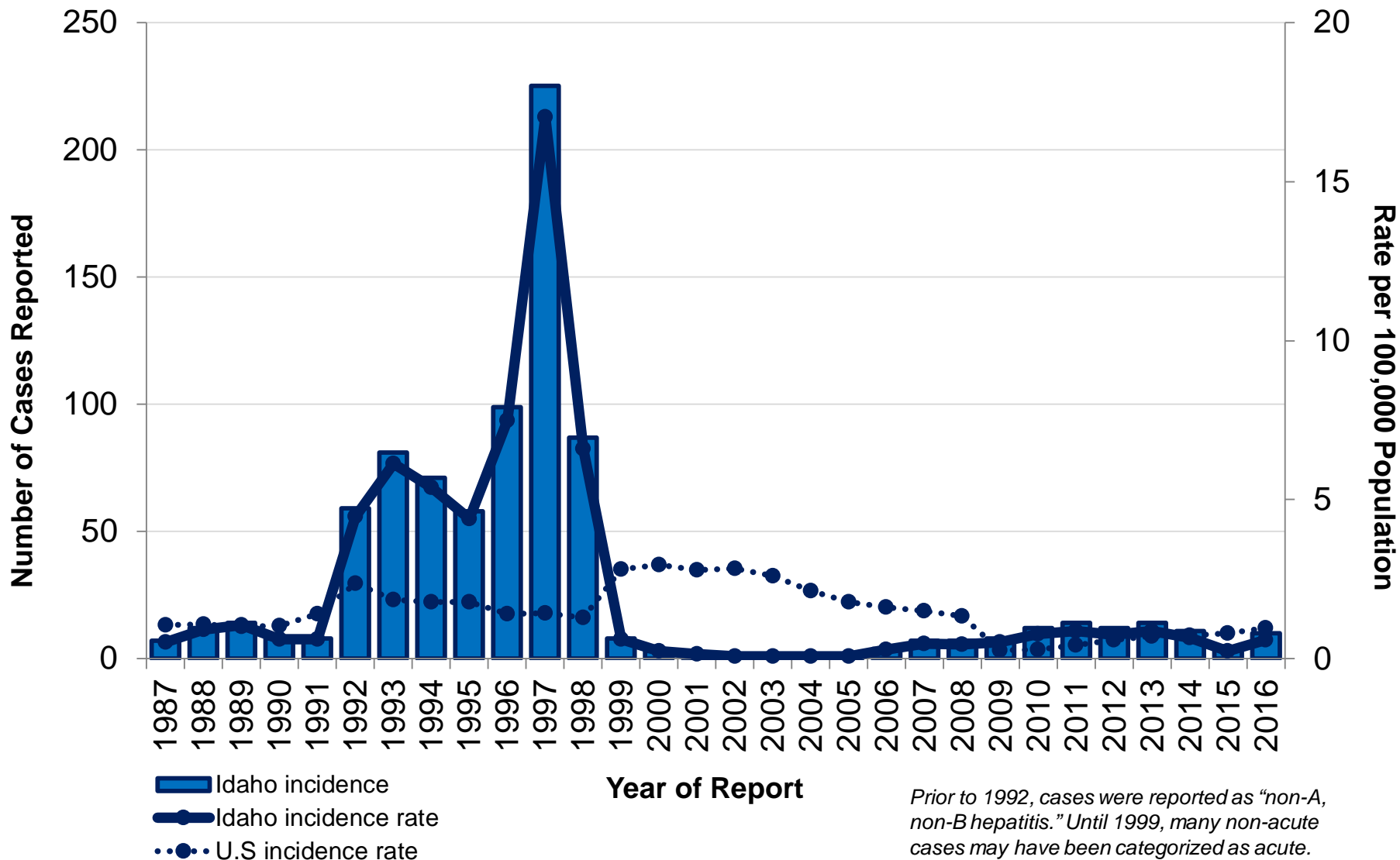


Year of Report

Perinatal hepatitis B virus infection has been reportable in Idaho since 2007.

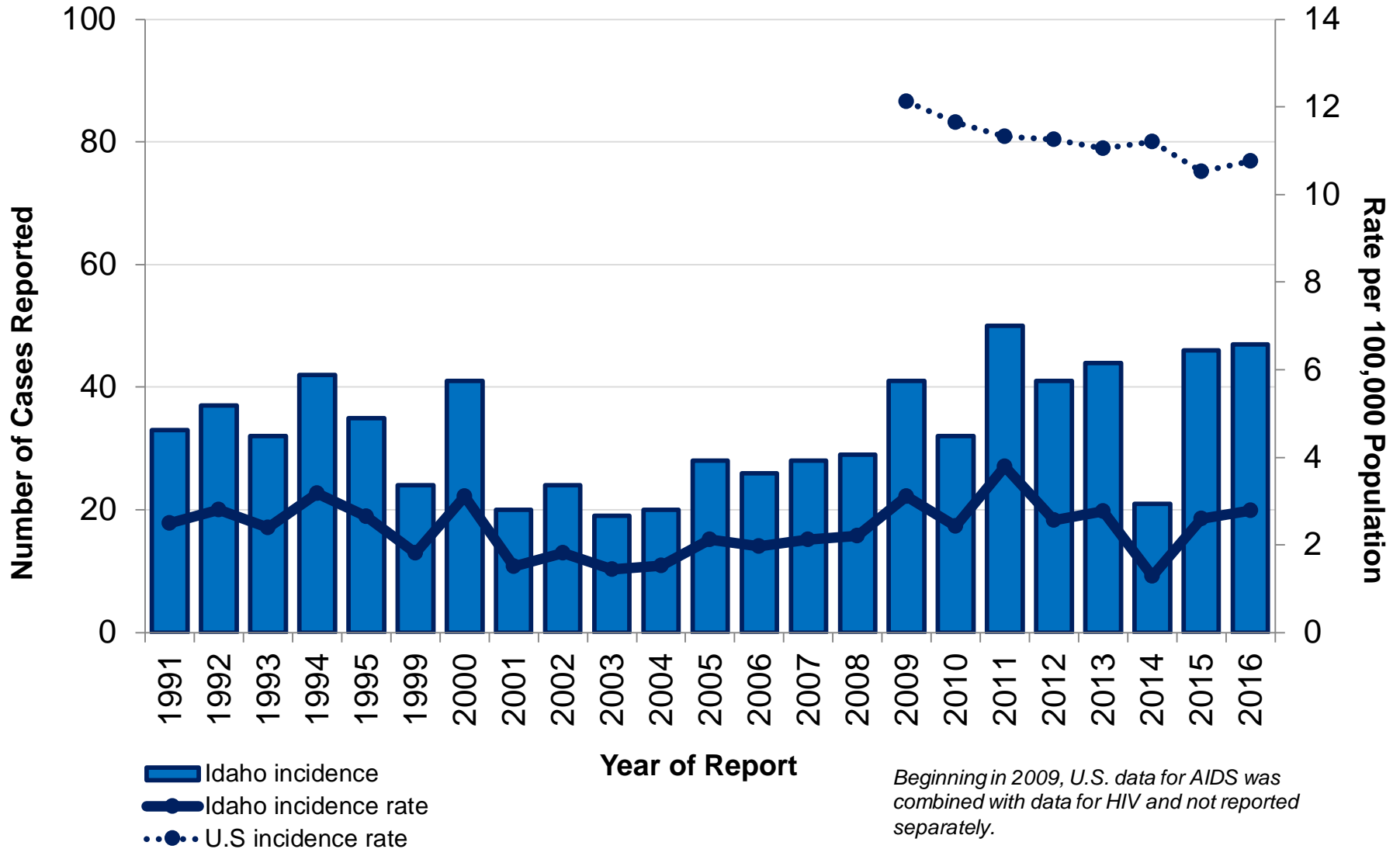
Hepatitis C, Acute

Cases and rate of disease per 100,000 population: Idaho and U.S, 1987 – 2016



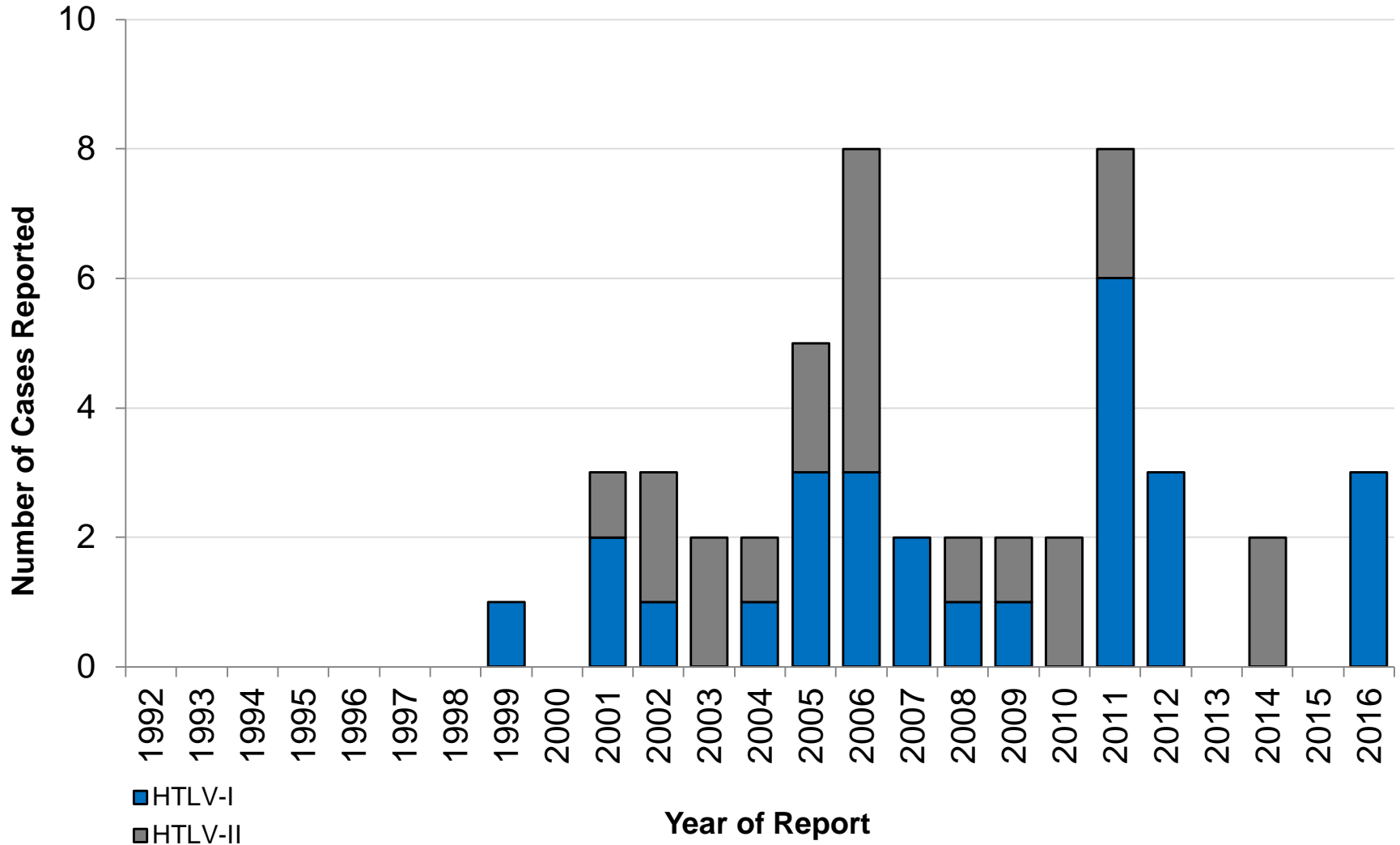
HIV

Cases and rate of disease per 100,000 population: Idaho and U.S, 1991 – 2016



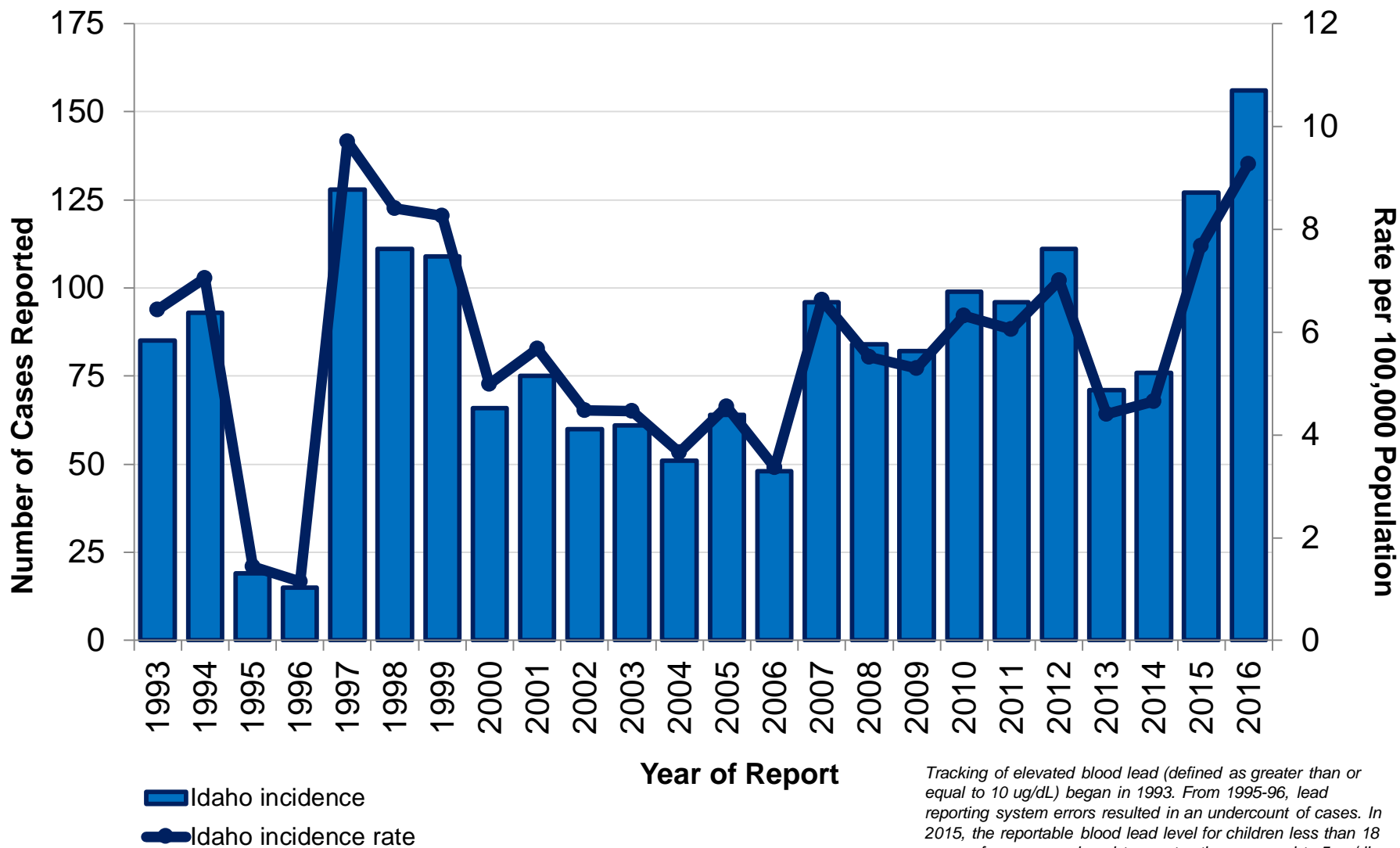
Human T-lymphotrophic virus (HTLV)

Cases: Idaho, 1992 – 2016



Elevated Blood Lead, All ages

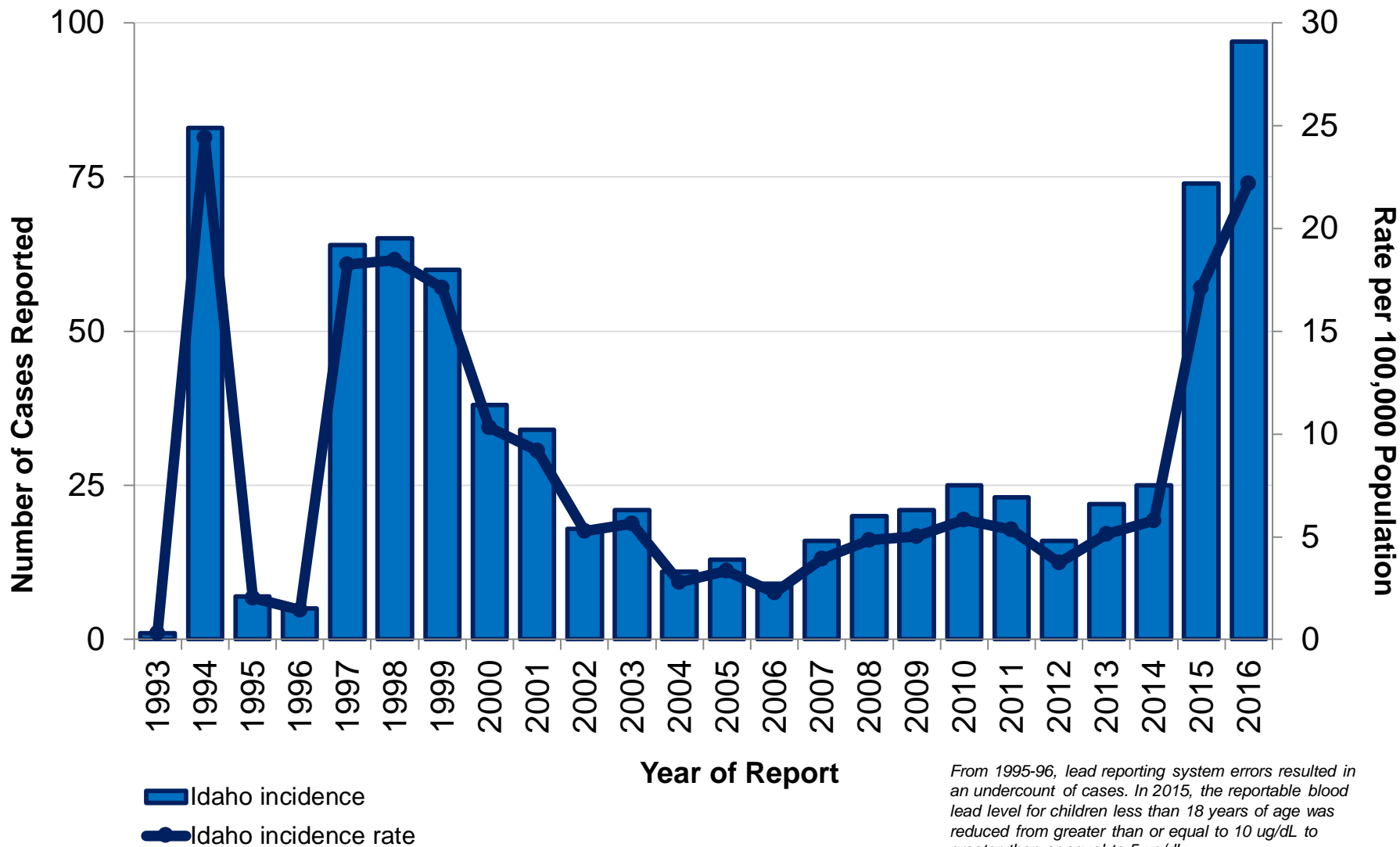
Cases and rate of disease per 100,000 population: Idaho, 1993 – 2016



Tracking of elevated blood lead (defined as greater than or equal to 10 ug/dL) began in 1993. From 1995-96, lead reporting system errors resulted in an undercount of cases. In 2015, the reportable blood lead level for children less than 18 years of age was reduced to greater than or equal to 5 ug/dL; reporting for adults remained unchanged.

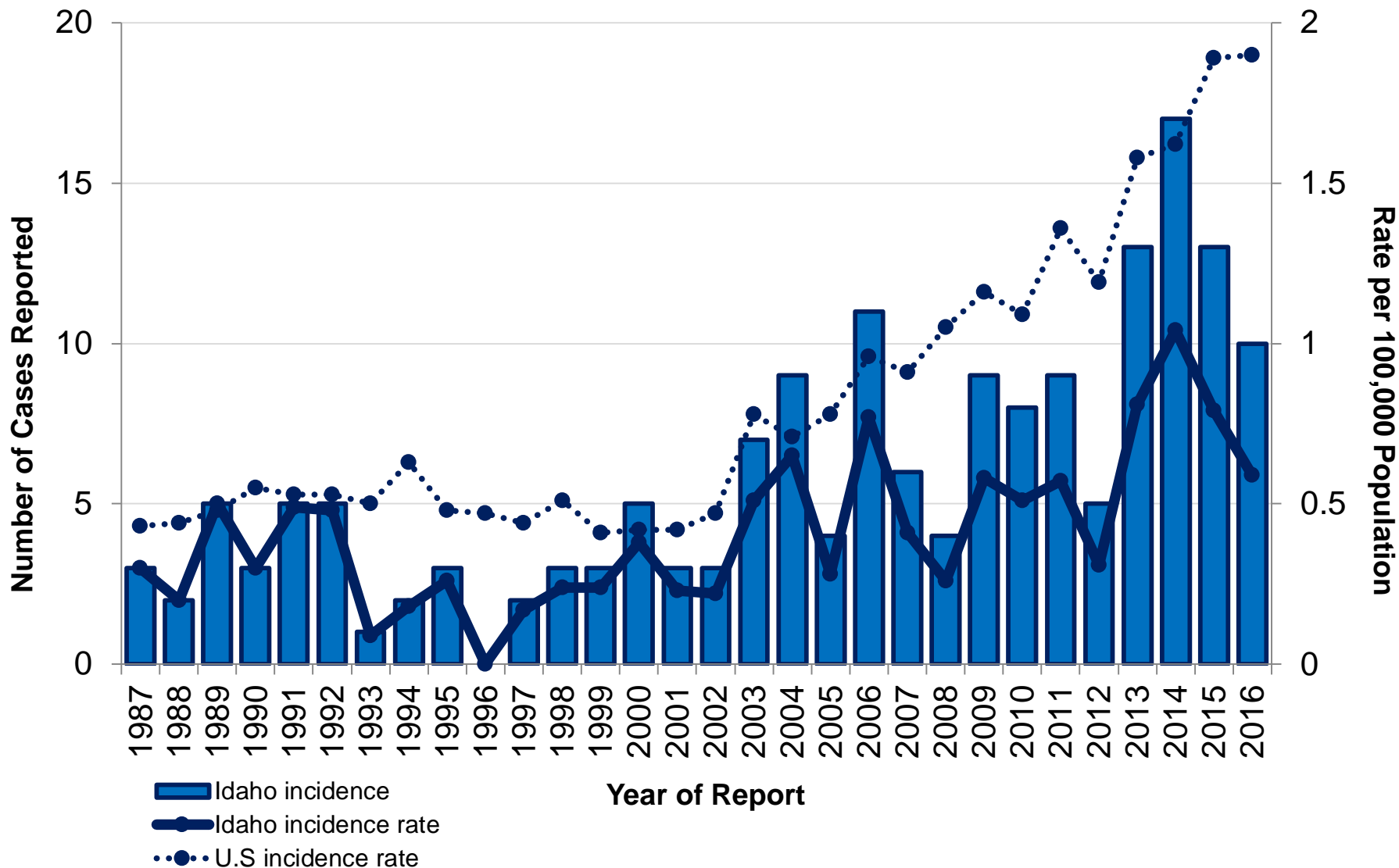
Elevated Blood Lead, Children

Cases and rate of disease per 100,000 children 0-17: Idaho, 1993 – 2016



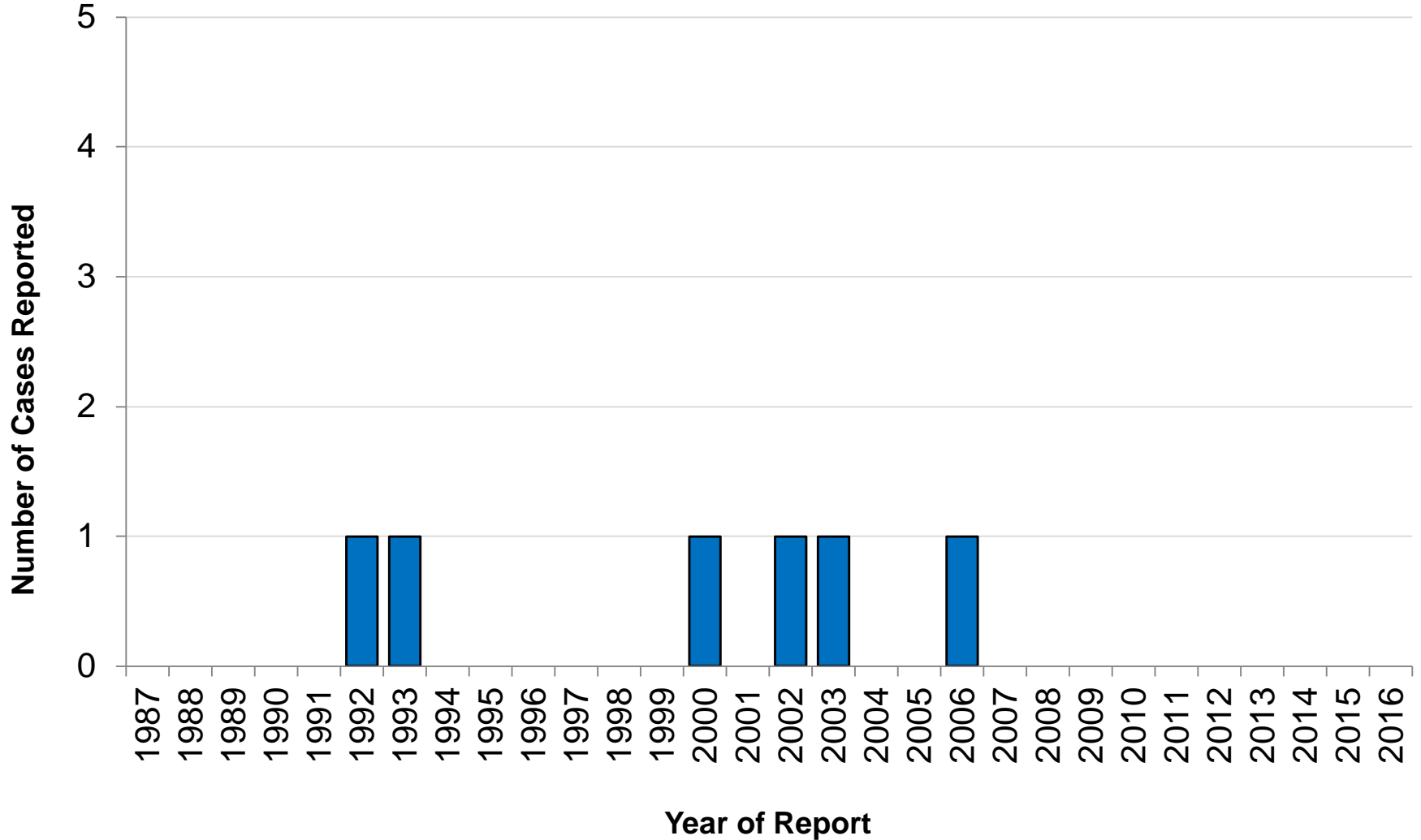
Legionellosis

Cases and rate of disease per 100,000 population: Idaho and U.S, 1987 – 2016



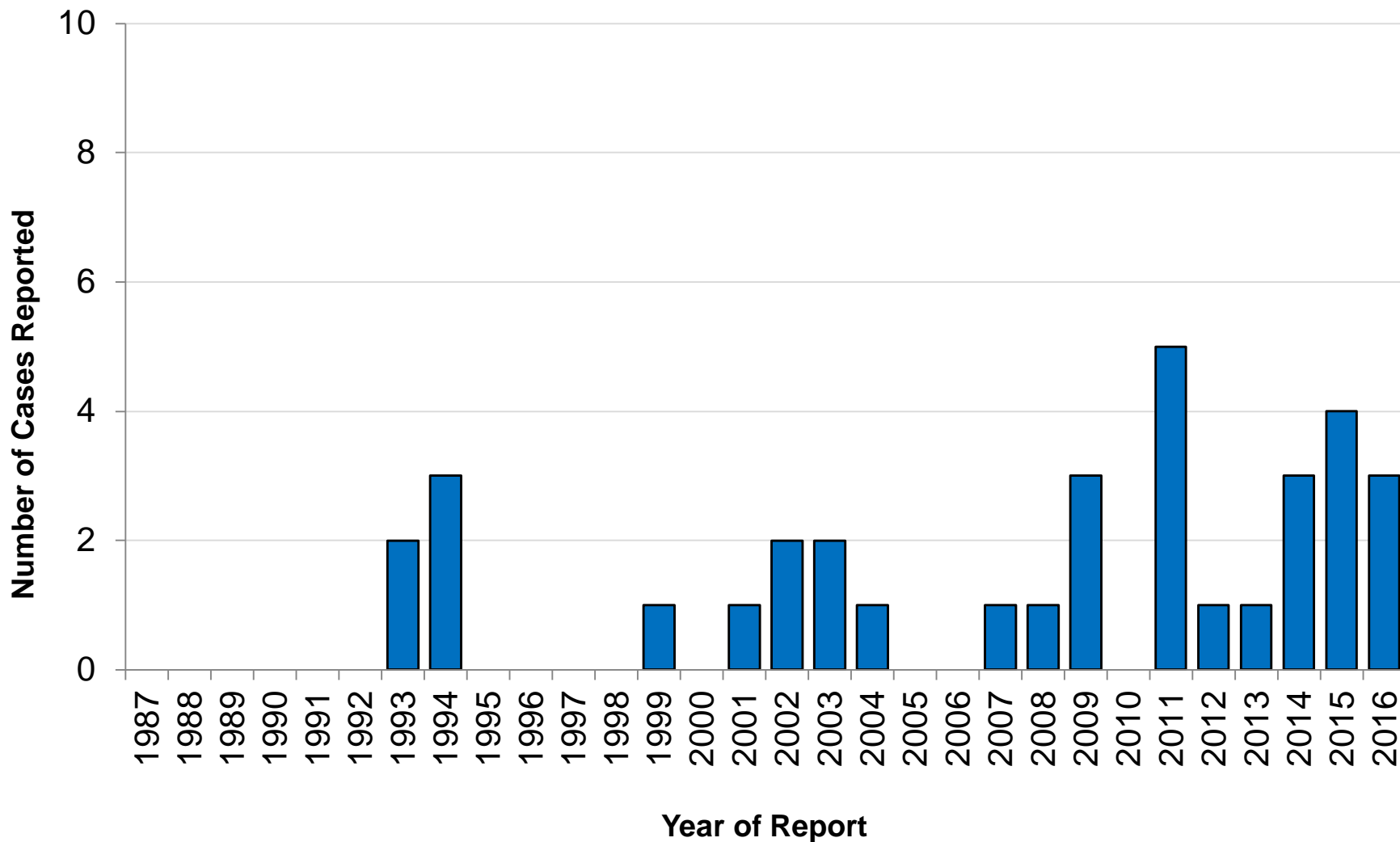
Leptospirosis

Cases: Idaho, 1987 - 2016



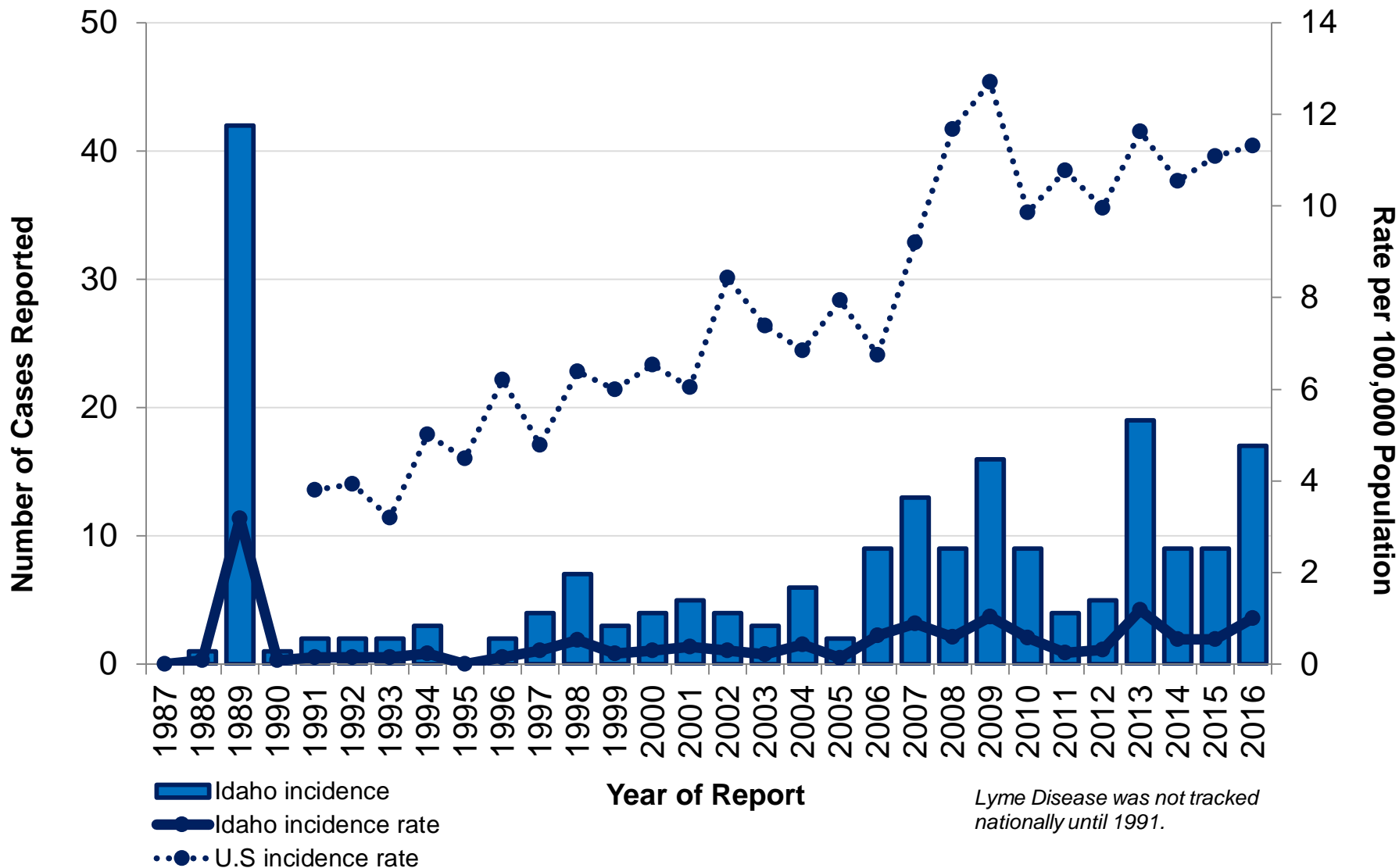
Listeriosis

Cases: Idaho, 1987 – 2016



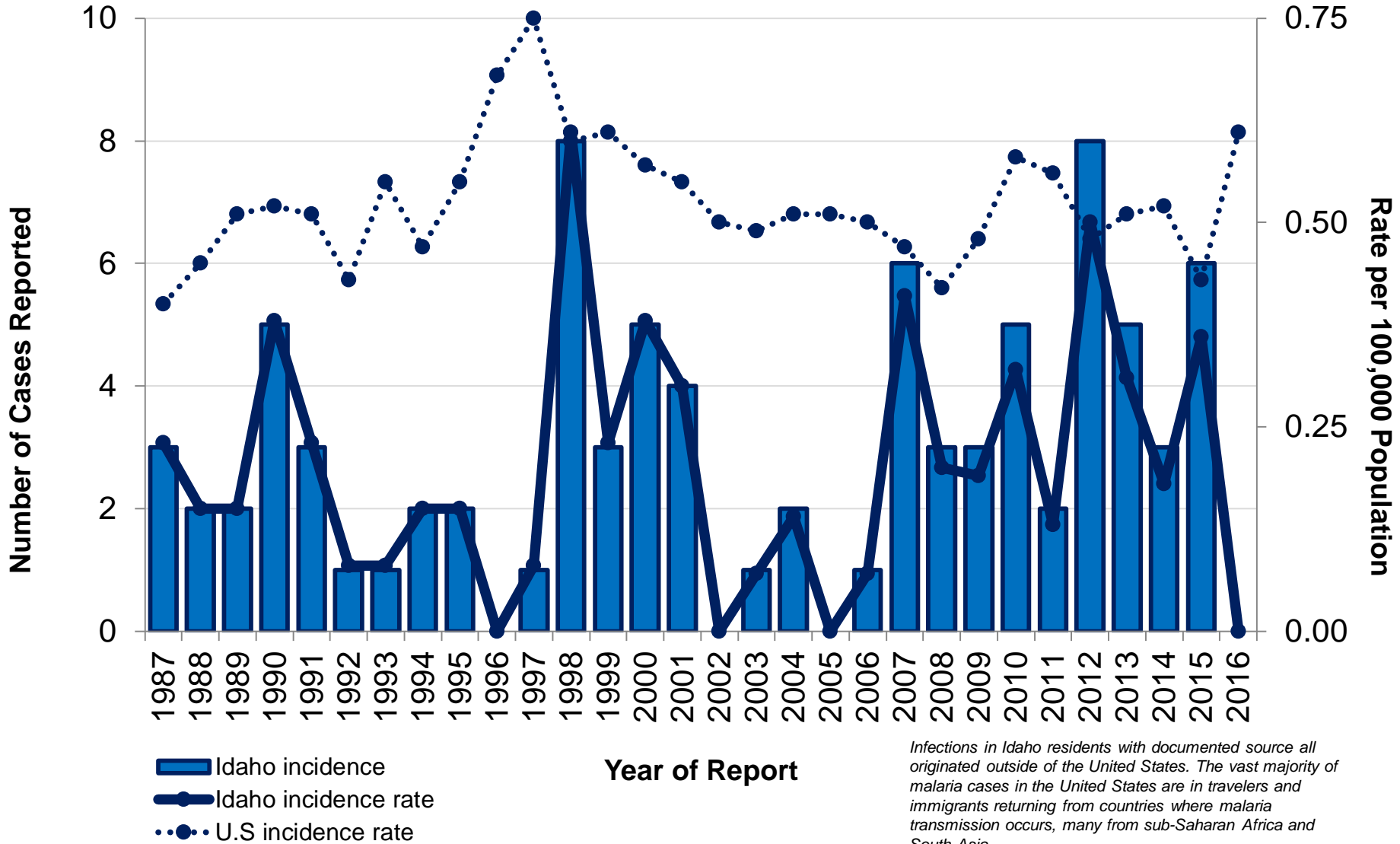
Lyme Disease

Cases and rate of disease per 100,000 population: Idaho and U.S, 1987 – 2016



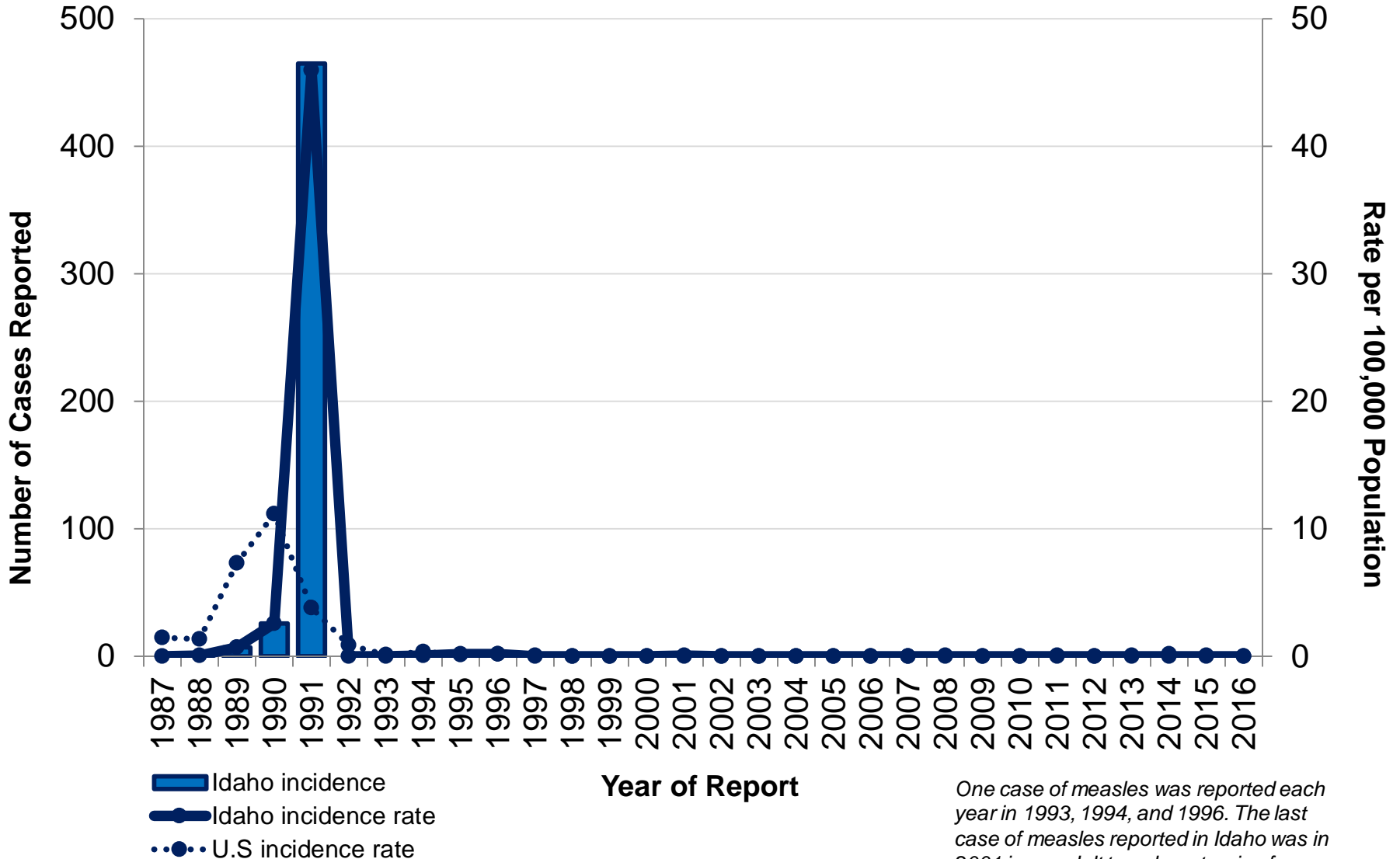
Malaria

Cases and rate of disease per 100,000 population: Idaho and U.S, 1987 – 2016



Measles

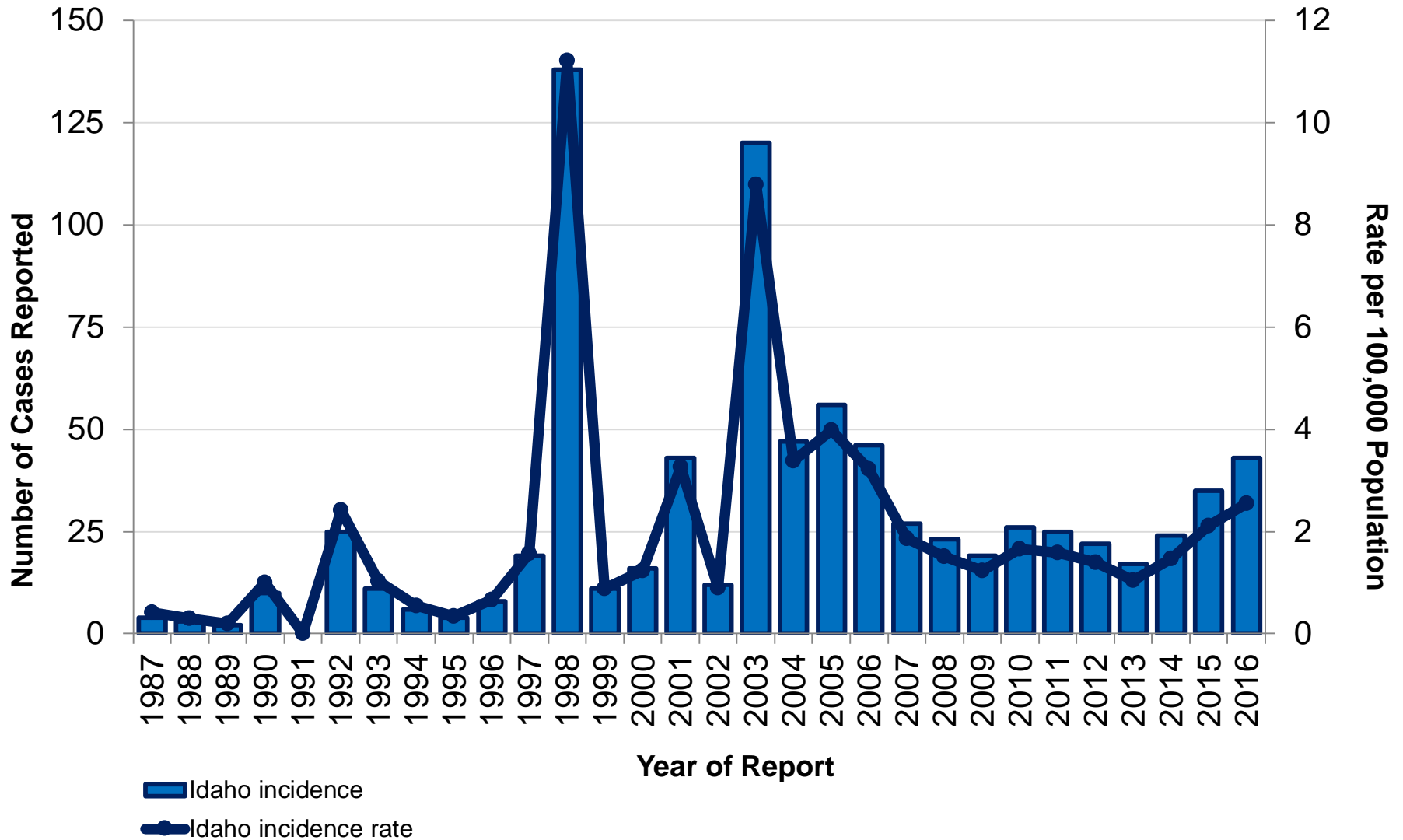
Cases and rate of disease per 100,000 population: Idaho and U.S, 1987 – 2016



One case of measles was reported each year in 1993, 1994, and 1996. The last case of measles reported in Idaho was in 2001 in an adult traveler returning from Korea.

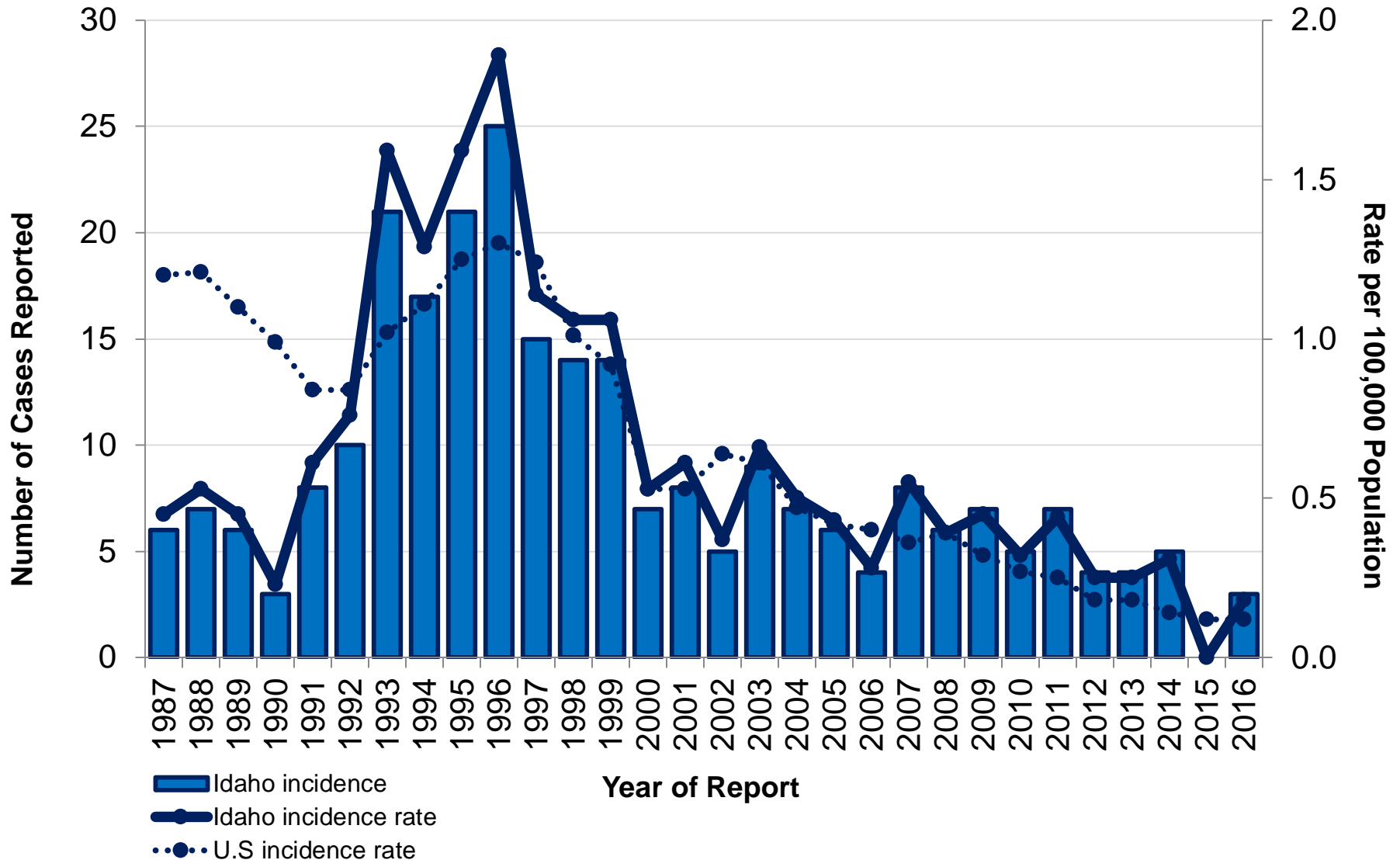
Meningitis, viral or aseptic

Cases and rate of disease per 100,000 population: Idaho, 1987 – 2016



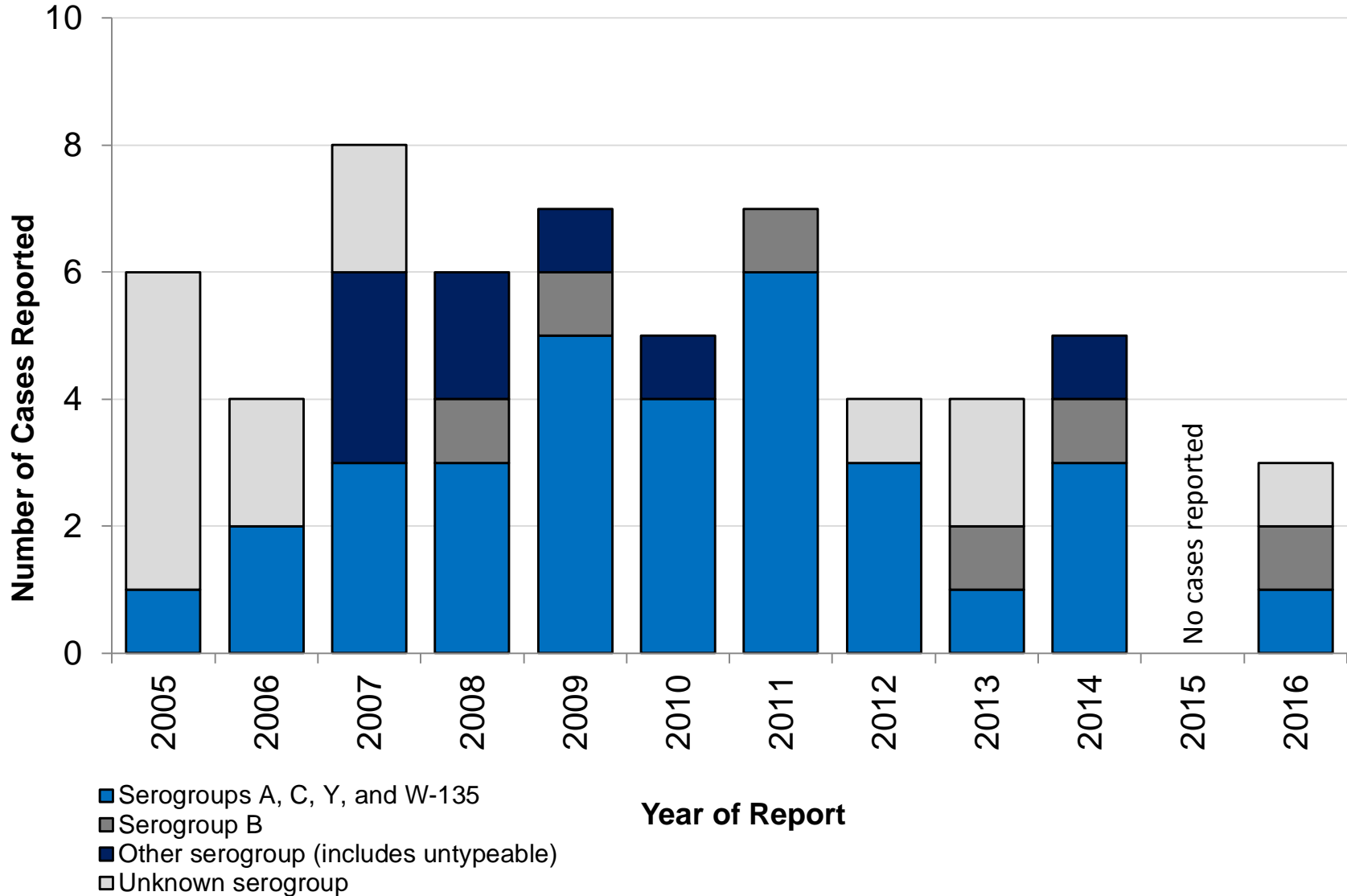
Meningococcal disease, invasive

Cases and rate of disease per 100,000 population: Idaho and U.S, 1987 – 2016



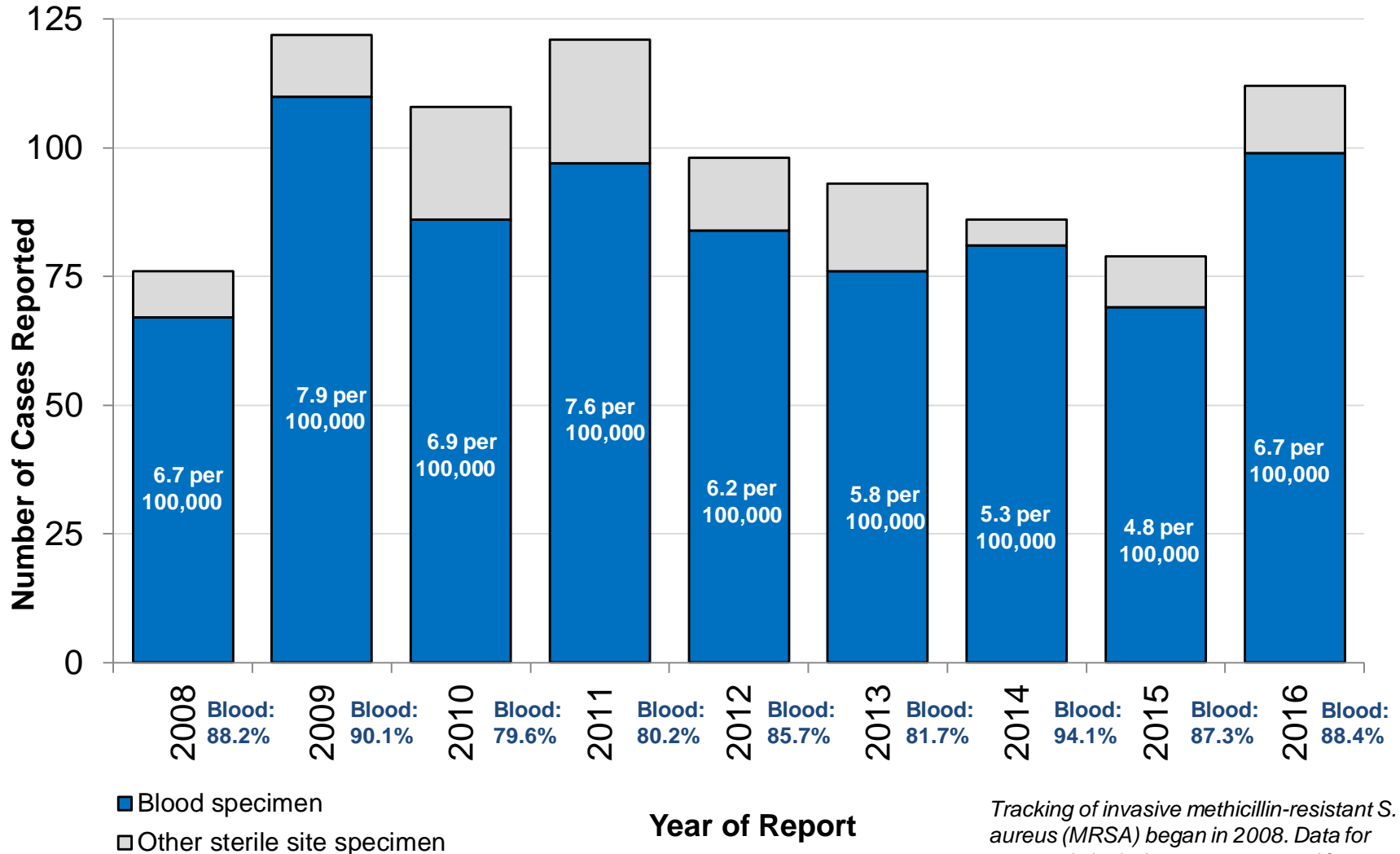
Neisseria meningitidis, invasive disease

Cases by serogroup: Idaho, 2005 – 2016



Methicillin-resistant *S. aureus*, invasive

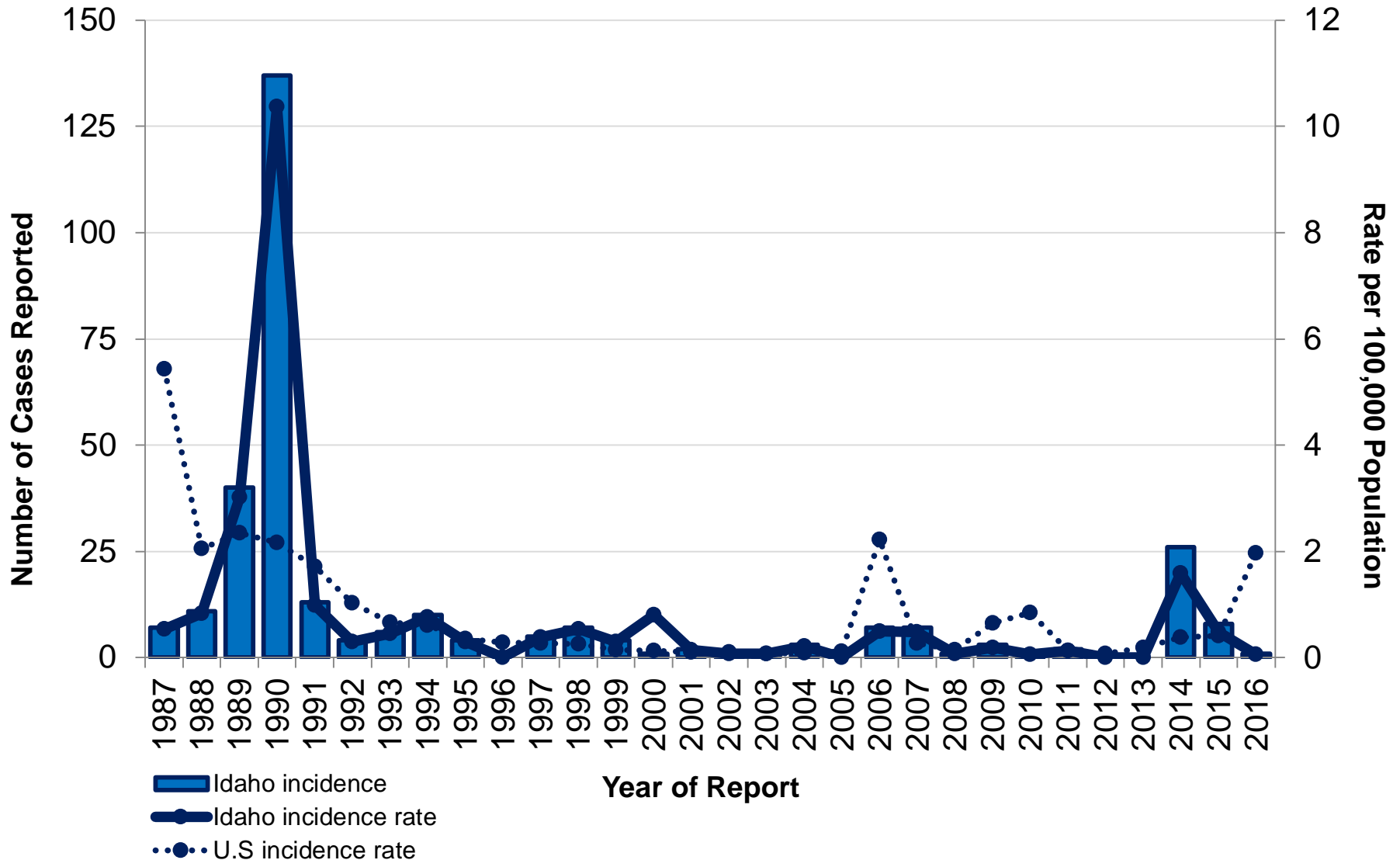
Cases and rate of disease per 100,000 population: Idaho, 2008 – 2016



Tracking of invasive methicillin-resistant S. aureus (MRSA) began in 2008. Data for 2008 only includes cases reported from April through December and the rate is adjusted for a partial year.

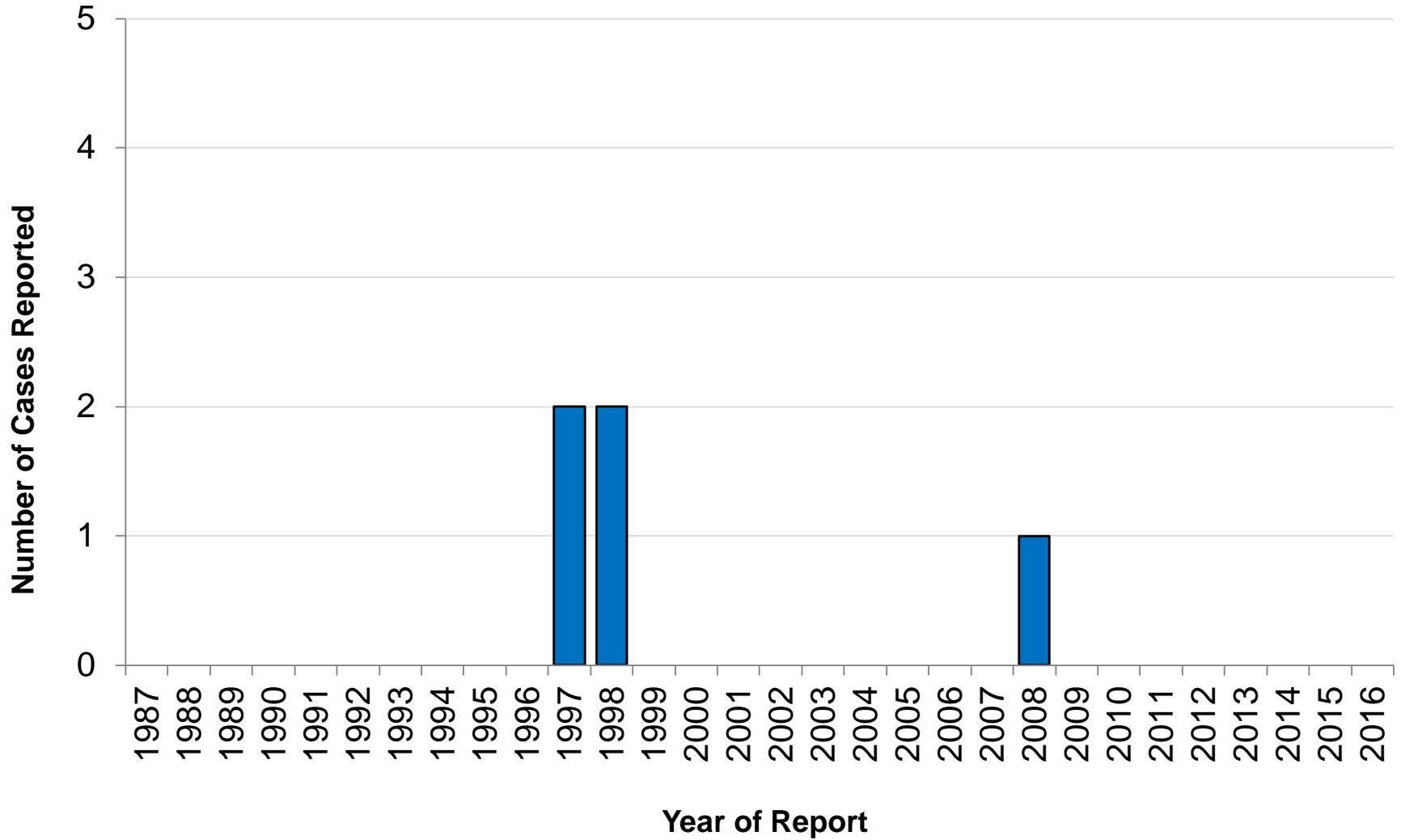
Mumps

Cases and rate of disease per 100,000 population: Idaho and U.S, 1987 – 2016



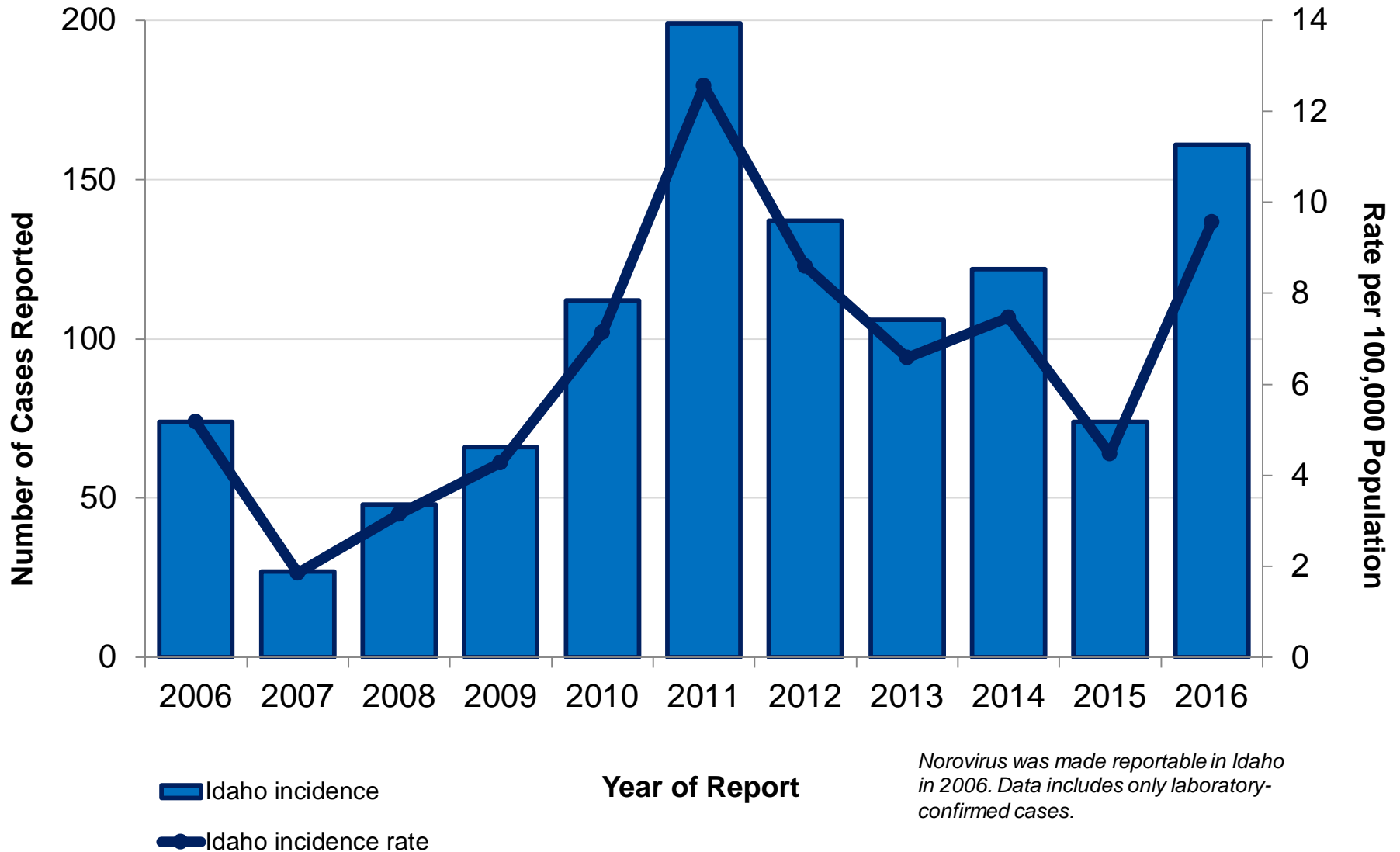
Myocarditis, viral

Cases: Idaho, 1987 – 2016



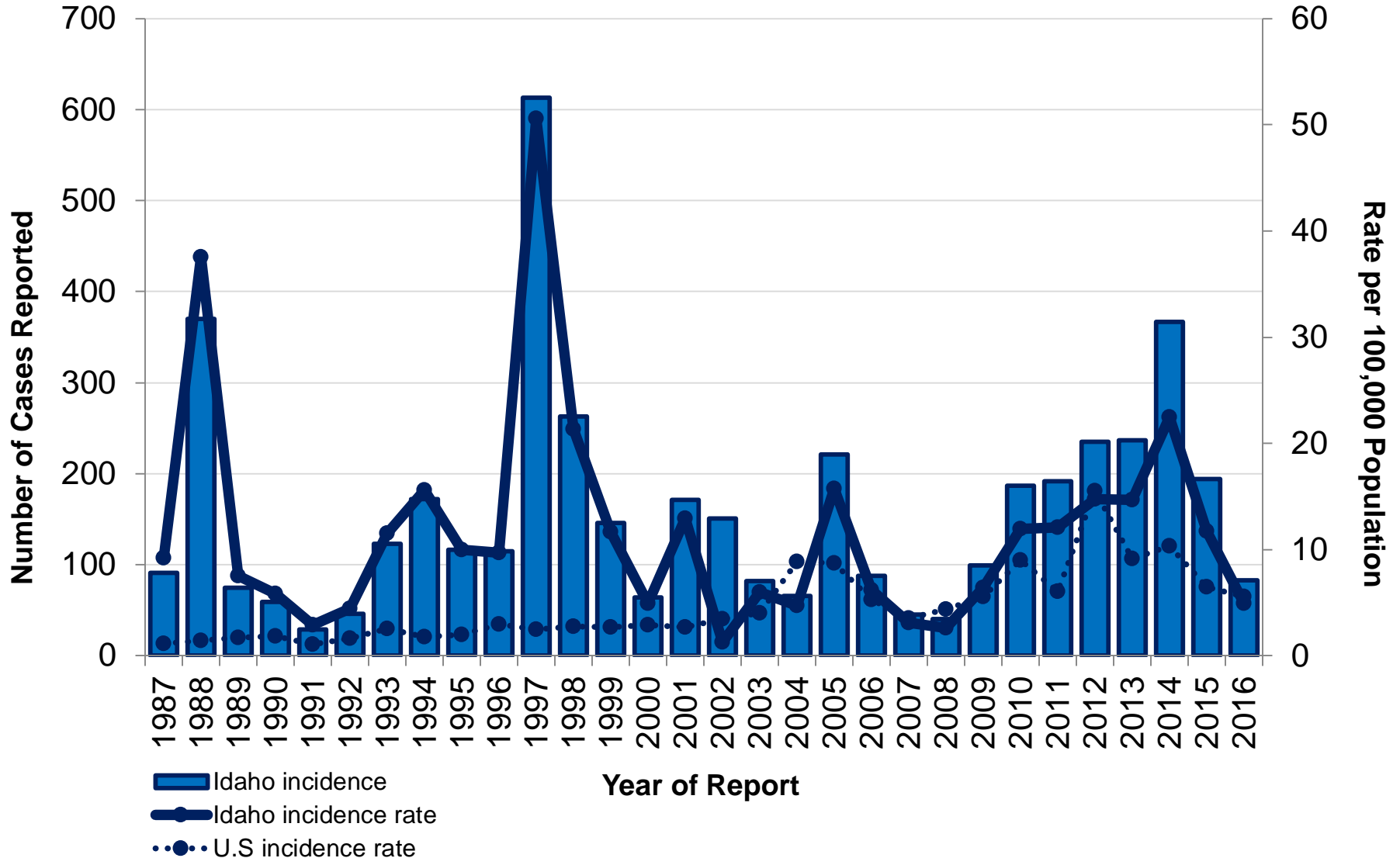
Norovirus

Cases and rate of disease per 100,000 population: Idaho, 2006 – 2016



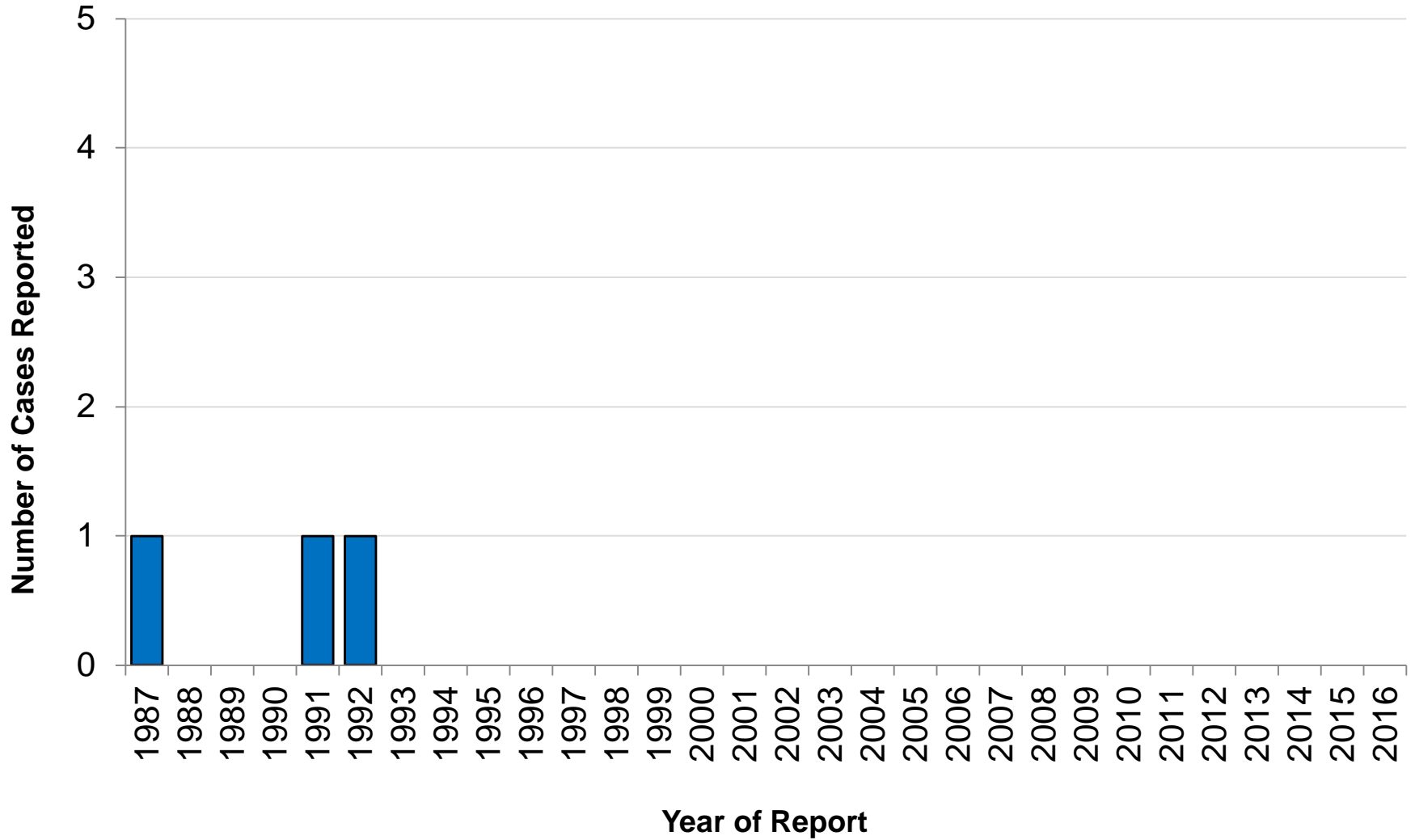
Pertussis

Cases and rate of disease per 100,000 population: Idaho and U.S, 1987 – 2016



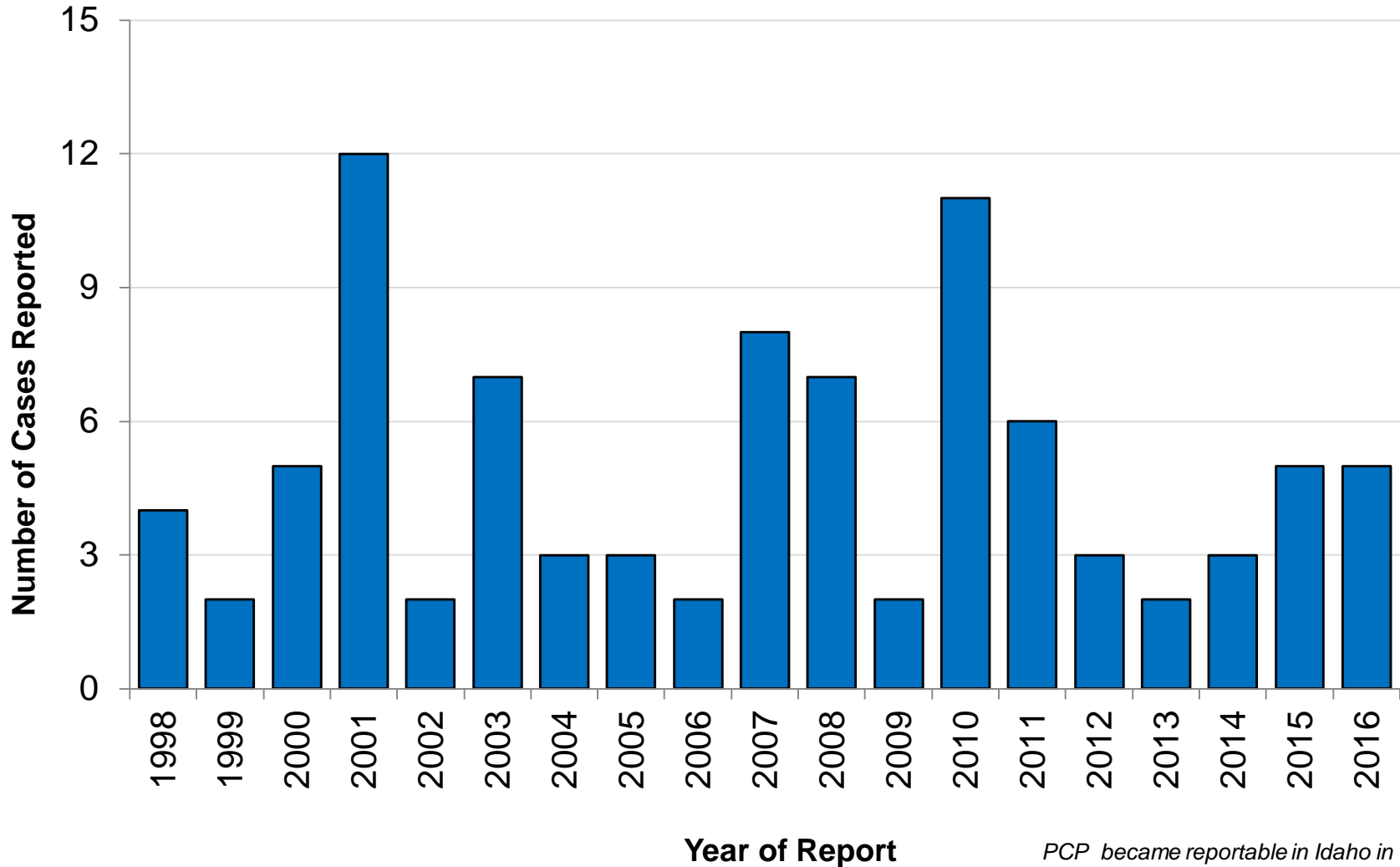
Plague

Cases: Idaho, 1987 – 2016



Pneumocystis pneumonia (PCP)

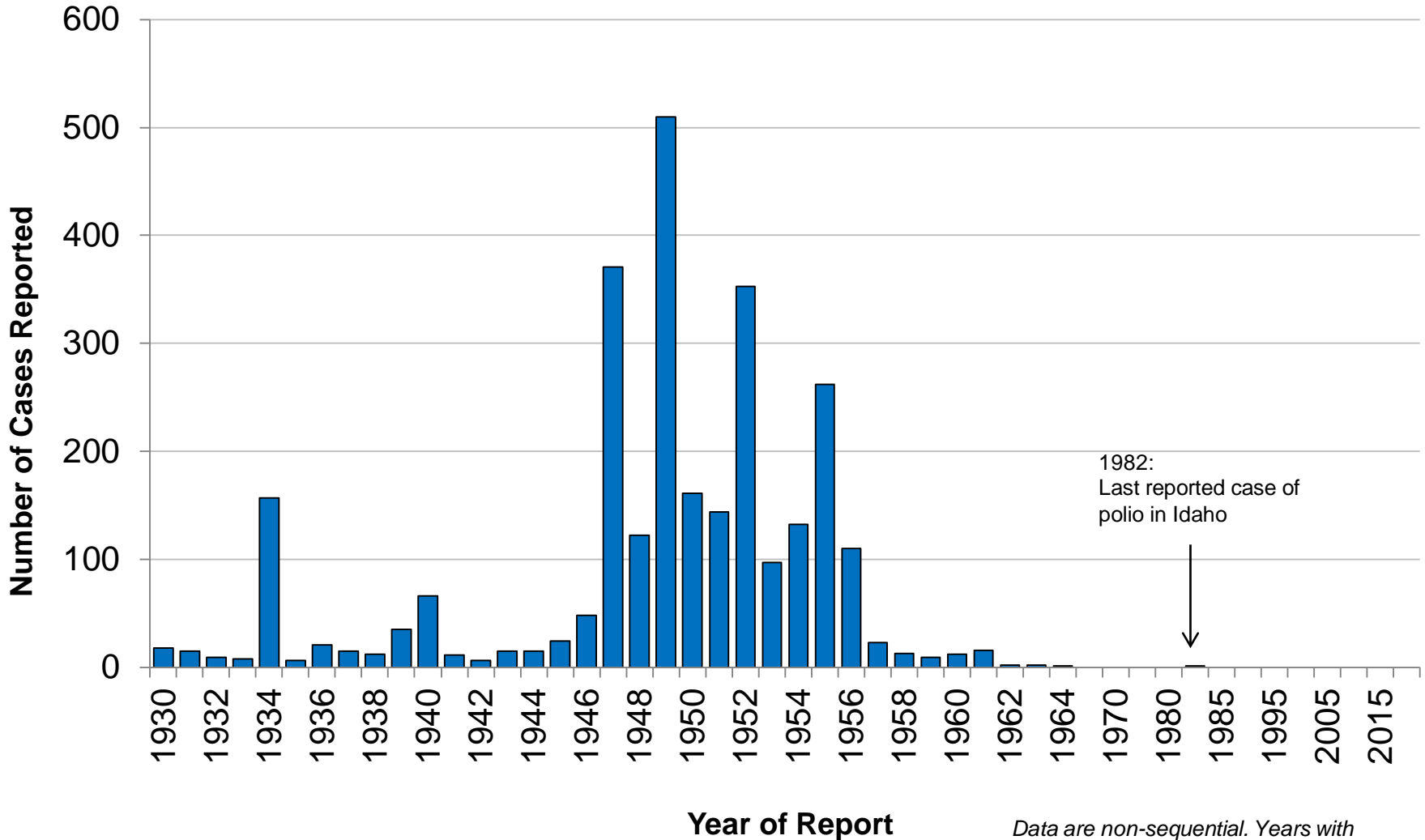
Cases: Idaho, 1998 – 2016



PCP became reportable in Idaho in 1998.

Polio

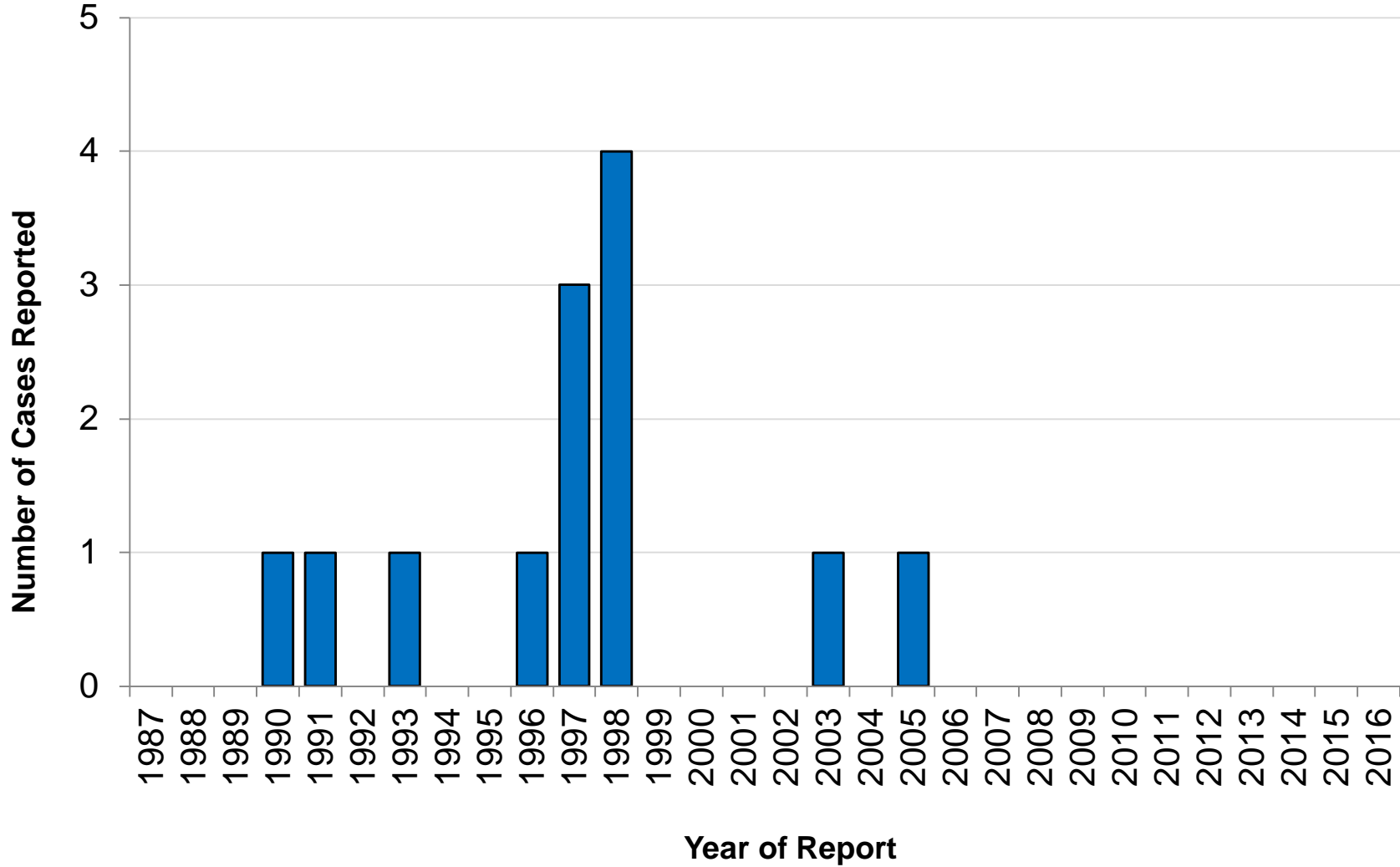
Cases: Idaho, 1930 – 2016



Data are non-sequential. Years with no cases are not always shown.

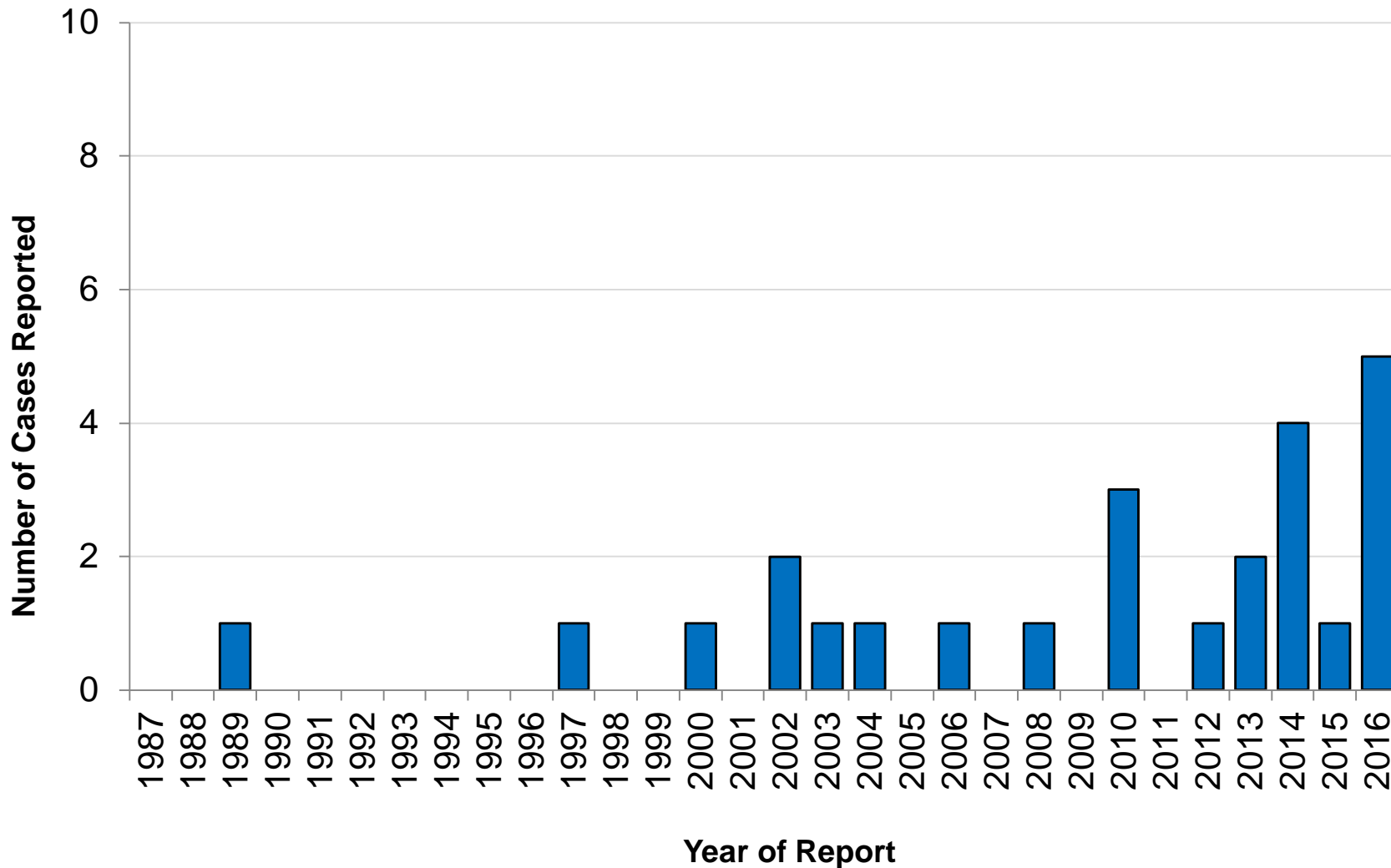
Psittacosis

Cases: Idaho, 1987 – 2016



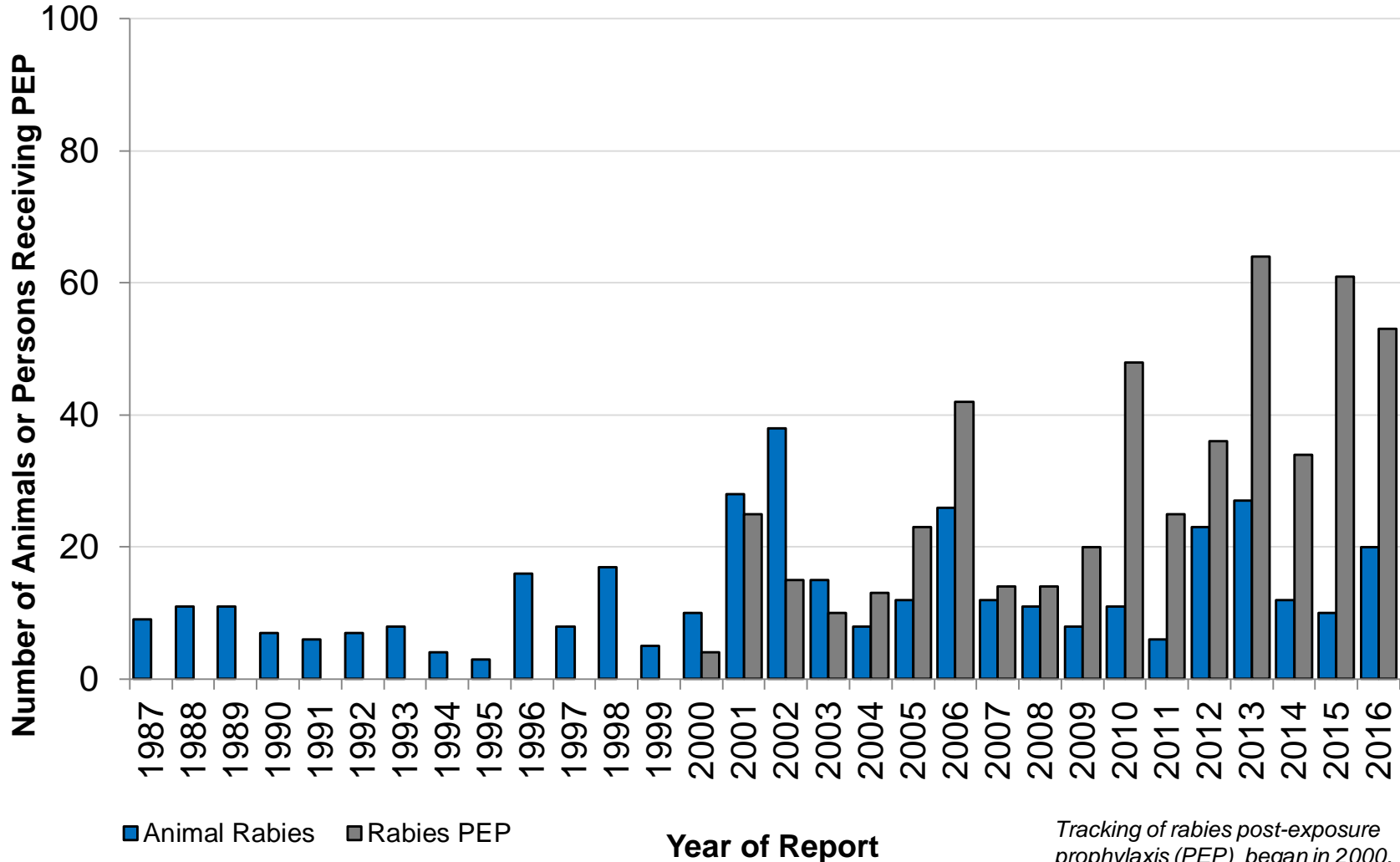
Q Fever

Cases: Idaho, 1987 – 2016



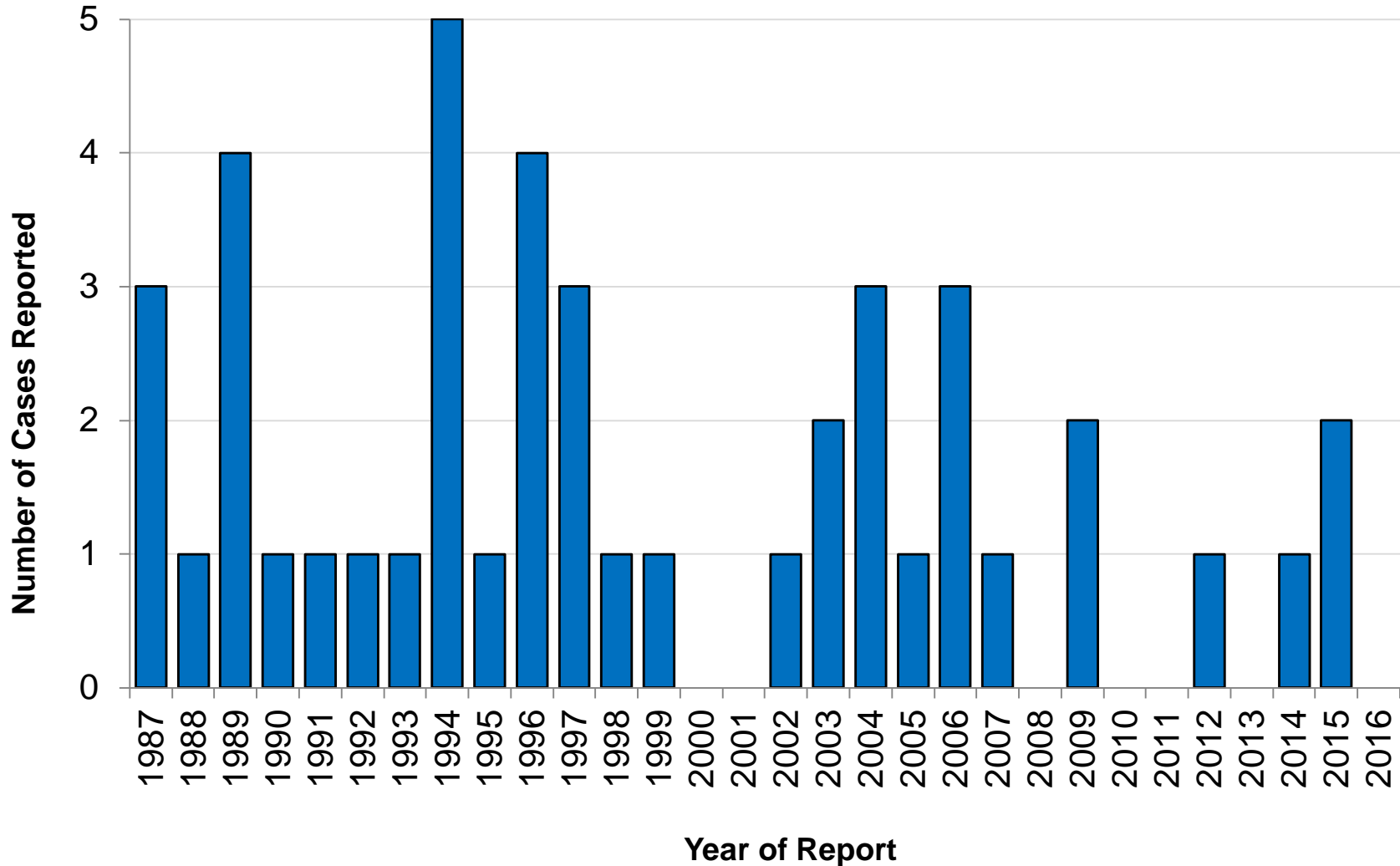
Animal Rabies and Rabies PEP

Counts: Idaho, 1987 – 2016



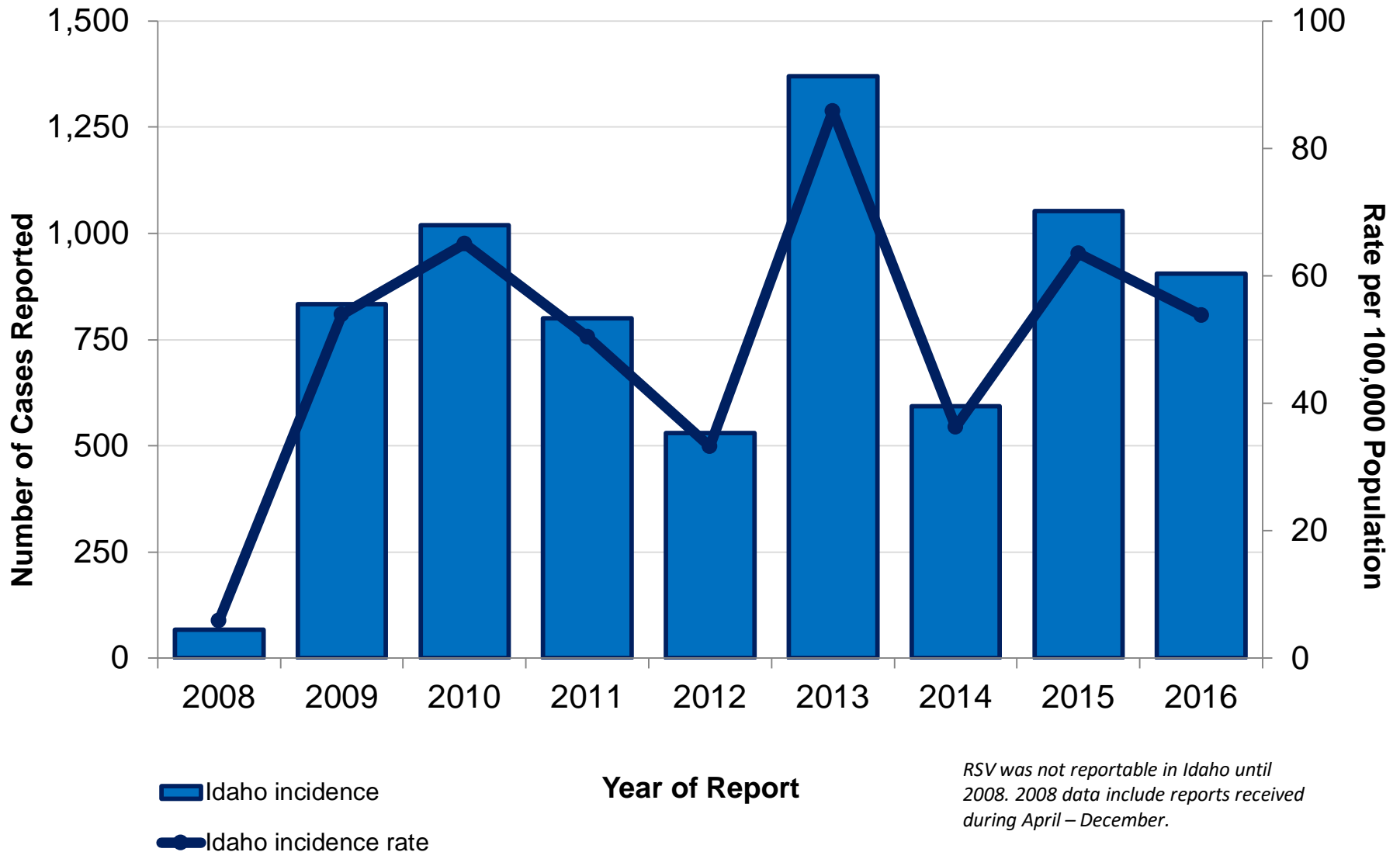
Relapsing Fever (tick- and louse-borne)

Cases: Idaho, 1987 – 2016



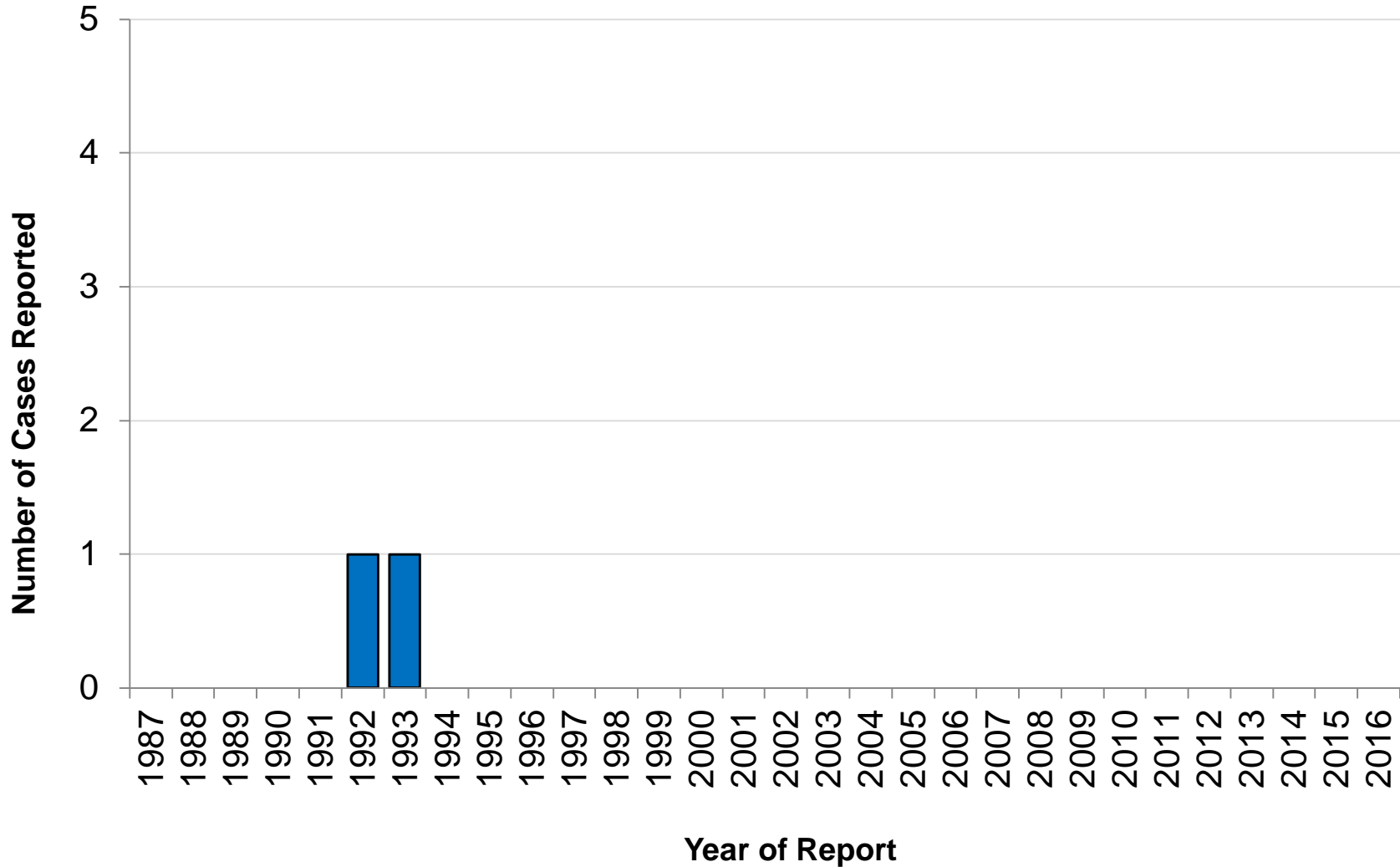
Respiratory Syncytial Virus (RSV)

Cases and rate of disease per 100,000 population: Idaho, 2008 – 2016



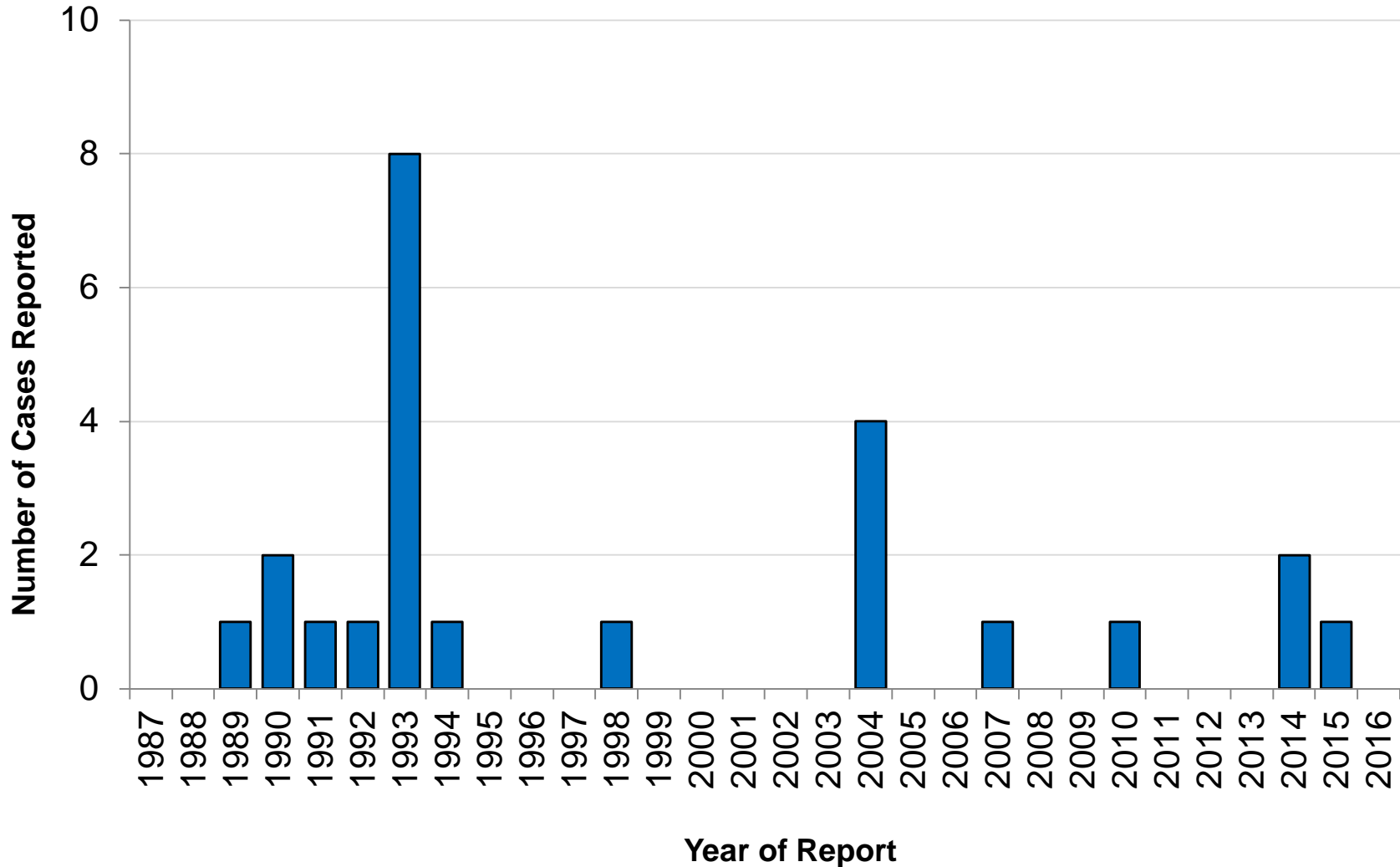
Reye Syndrome

Cases: Idaho, 1987 – 2016



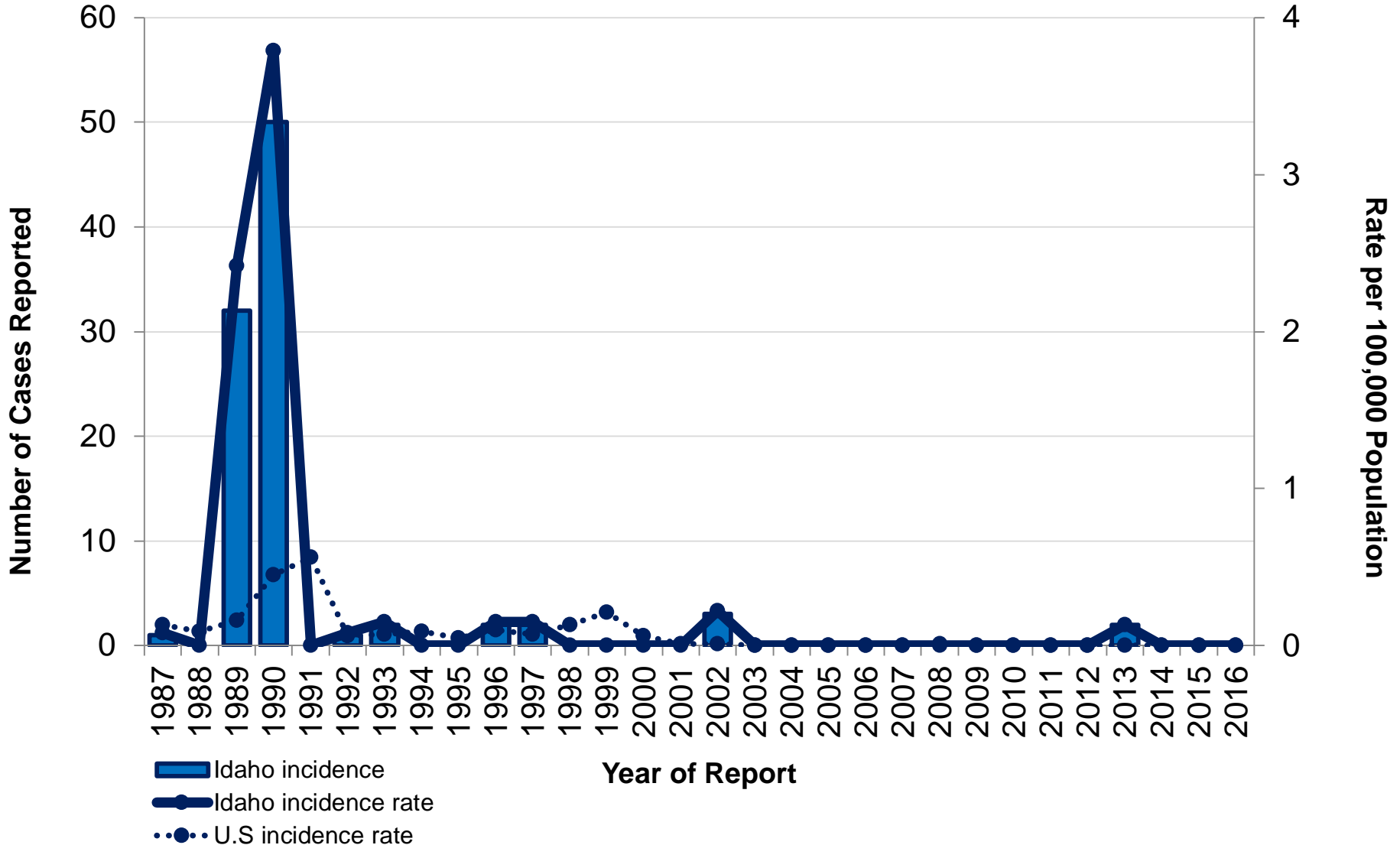
Rheumatic Fever, Acute

Cases: Idaho, 1987 – 2016



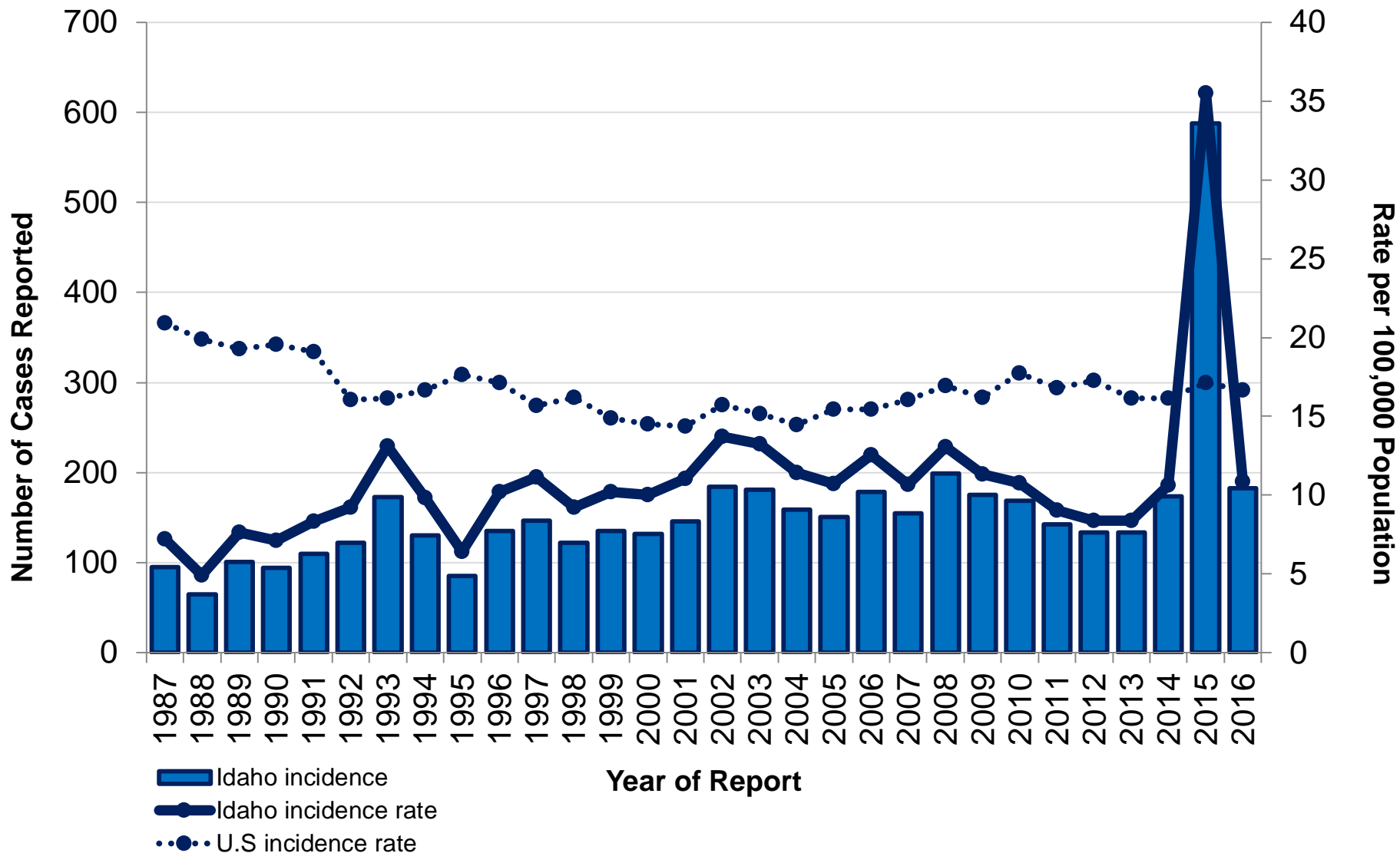
Rubella

Cases and rate of disease per 100,000 population: Idaho and U.S, 1987 – 2016



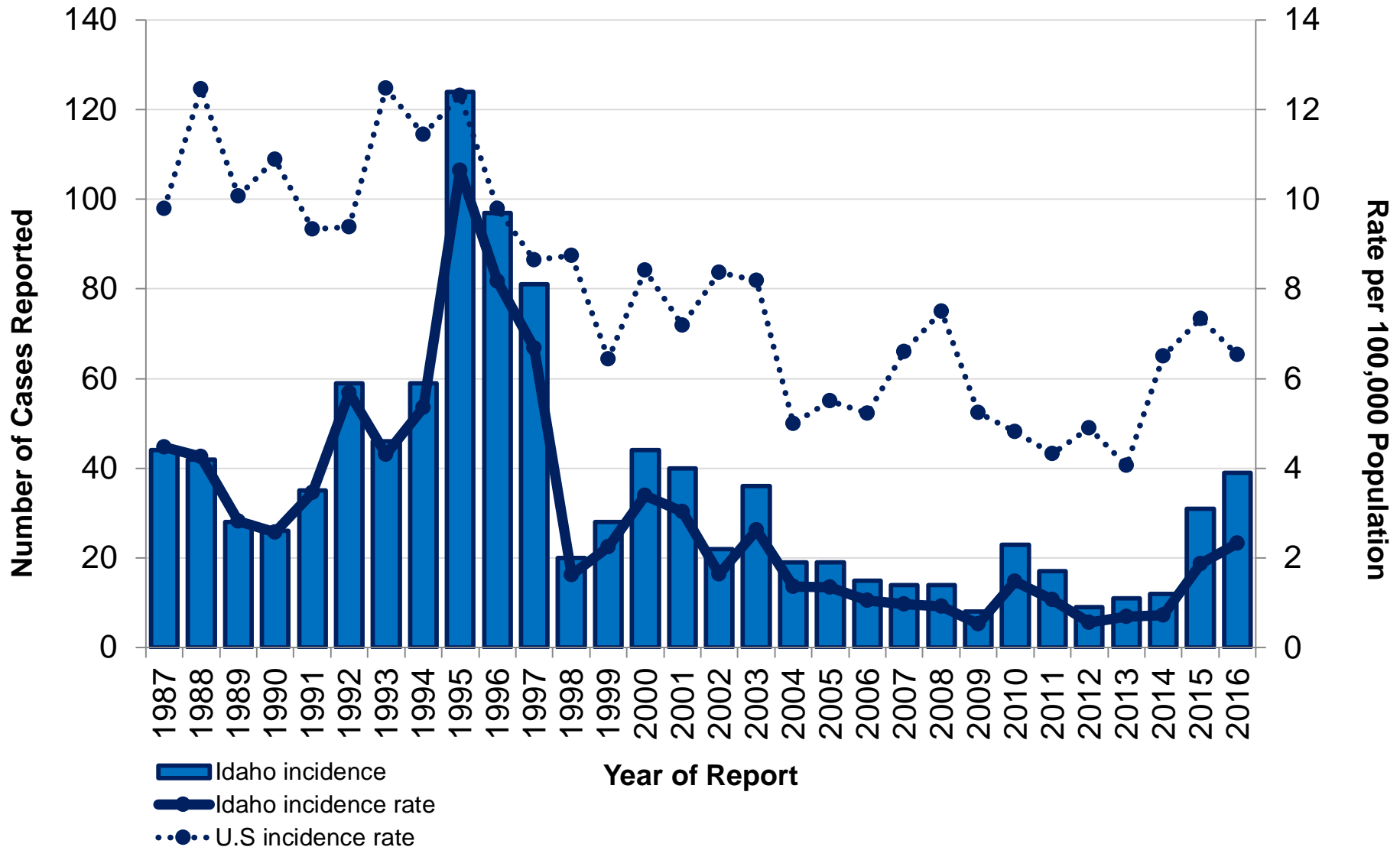
Salmonellosis

Cases and rate of disease per 100,000 population: Idaho and U.S, 1987 – 2016



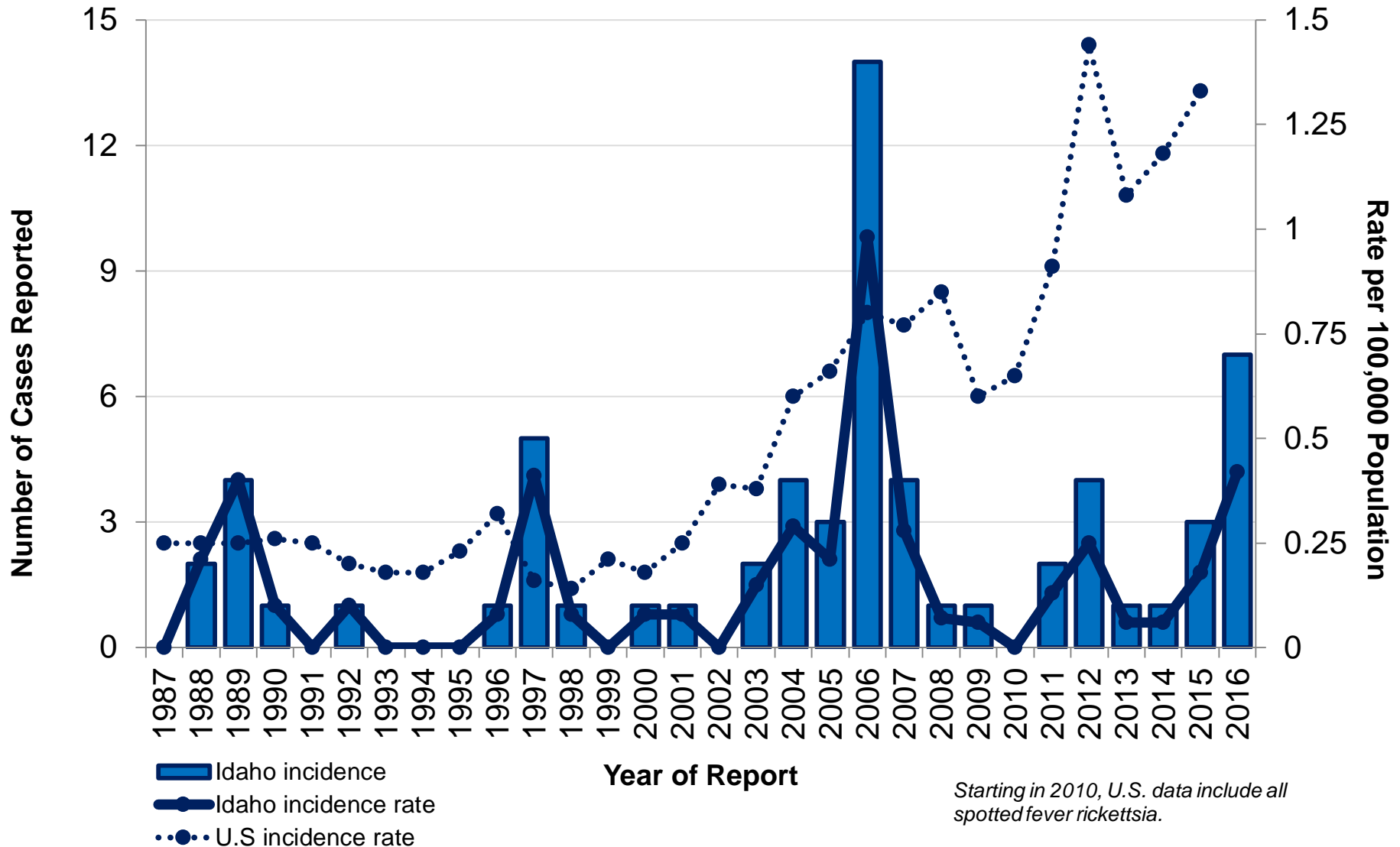
Shigellosis

Cases and rate of disease per 100,000 population: Idaho and U.S, 1987 – 2016



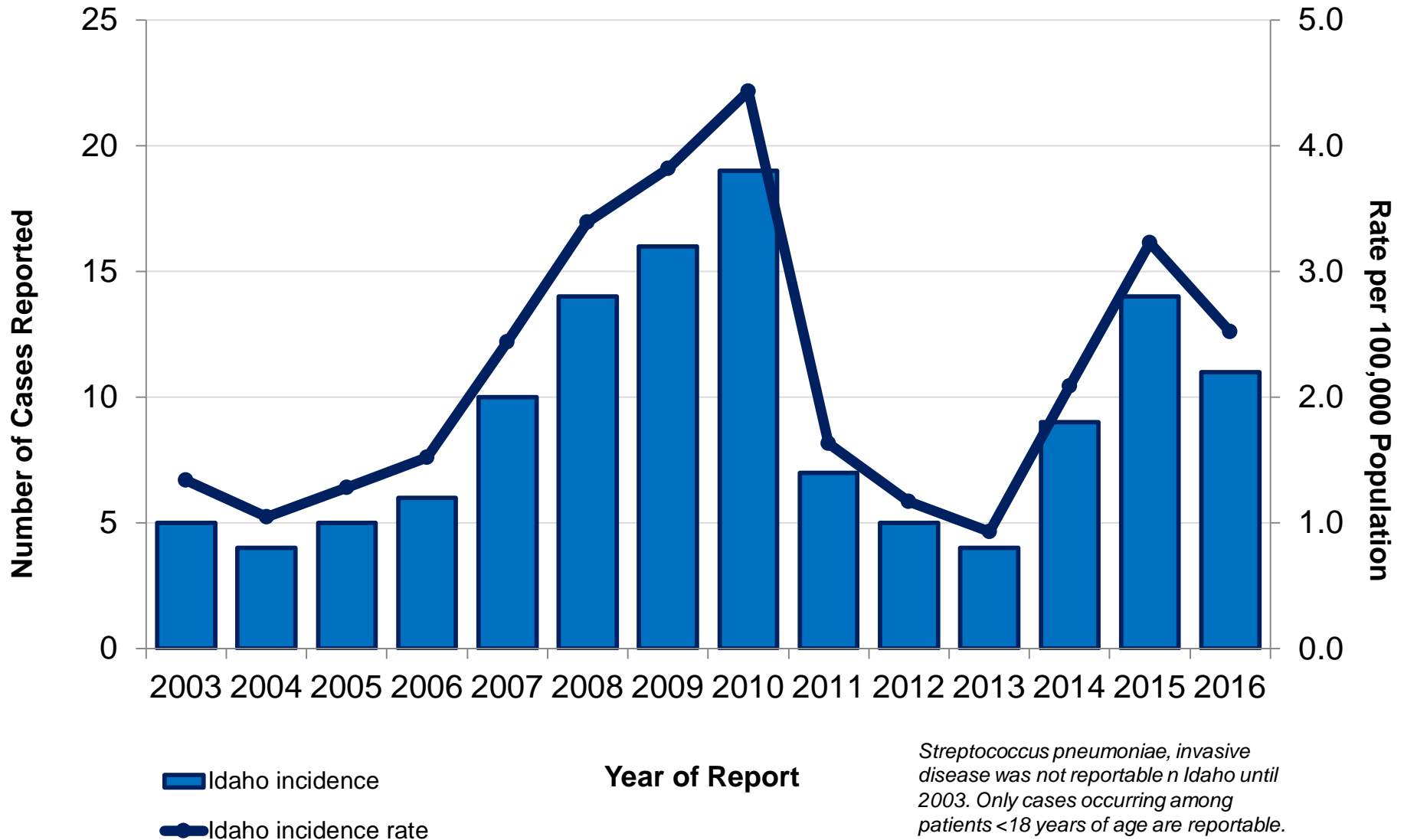
Spotted Fever Rickettsiosis (RMSF)

Cases and rate of disease per 100,000 population: Idaho and U.S, 1987 – 2016



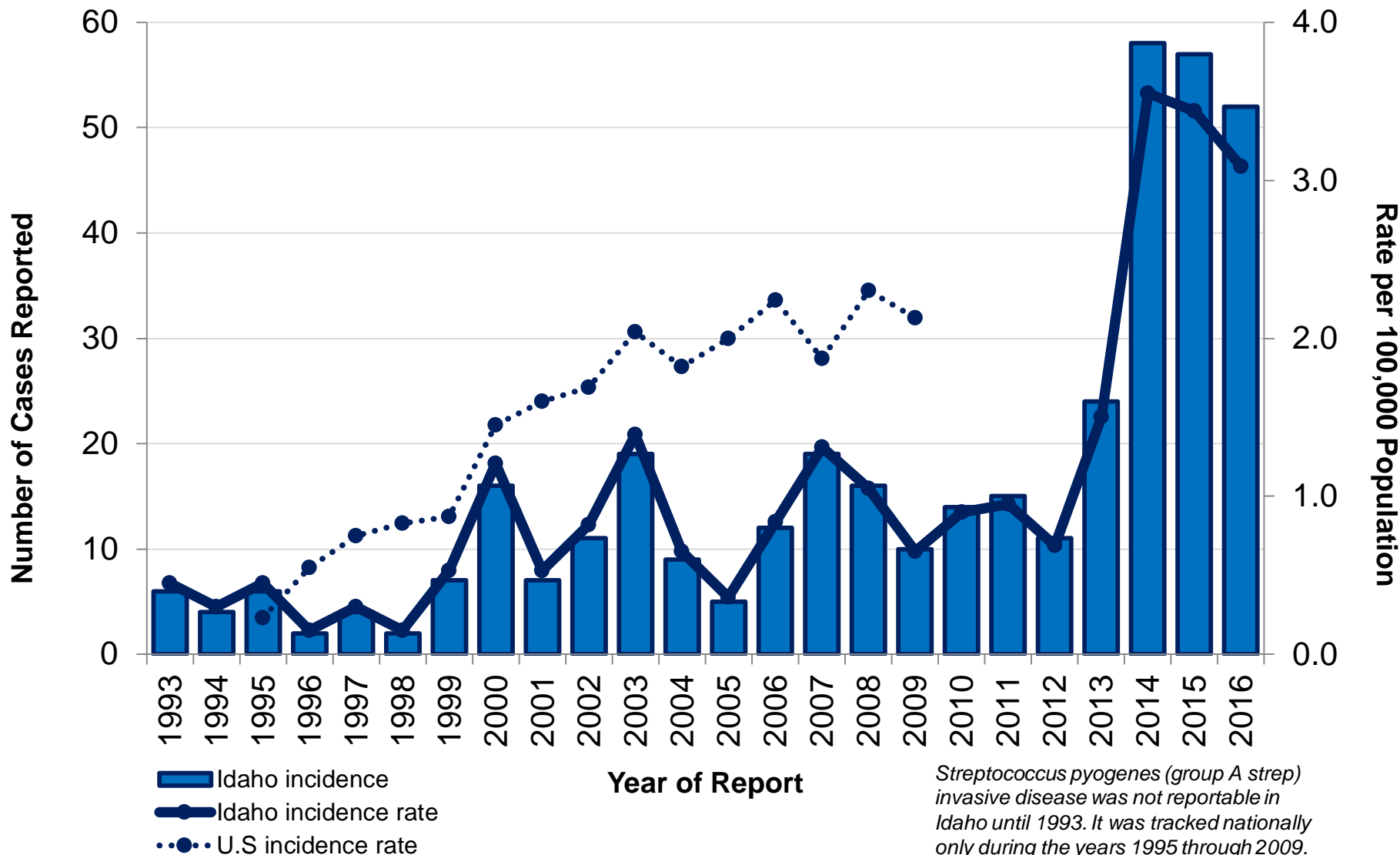
S. pneumoniae, Invasive

Cases and rate of disease per 100,000 population 0-17 years of age: Idaho, 2003 – 2016



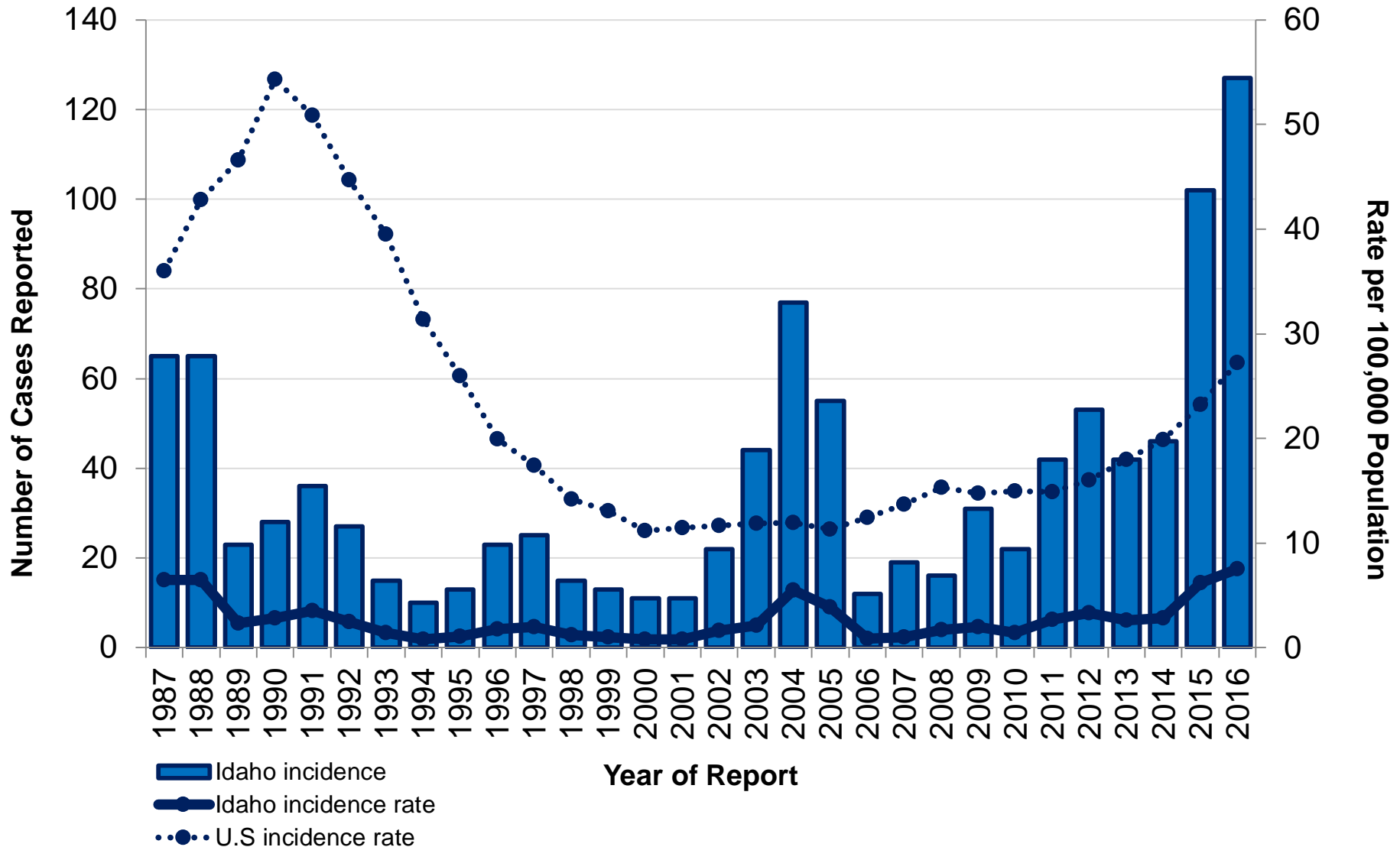
S. pyogenes (Group A Strep), Invasive

Cases and rate of disease per 100,000 population: Idaho and U.S, 1993 – 2016



Syphilis, All Stages

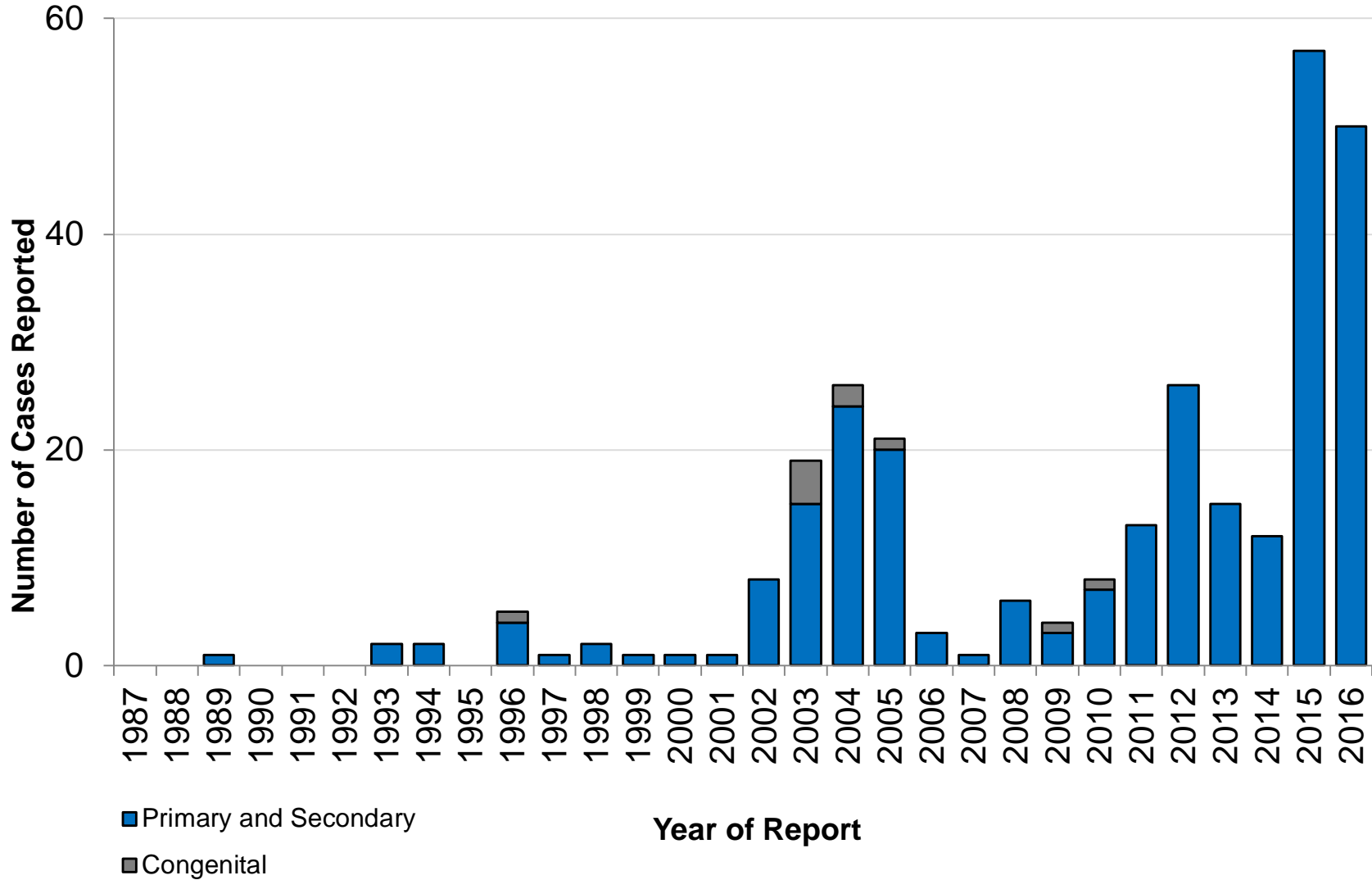
Cases and rate of disease per 100,000 population: Idaho and U.S, 1987 – 2016



Syphilis

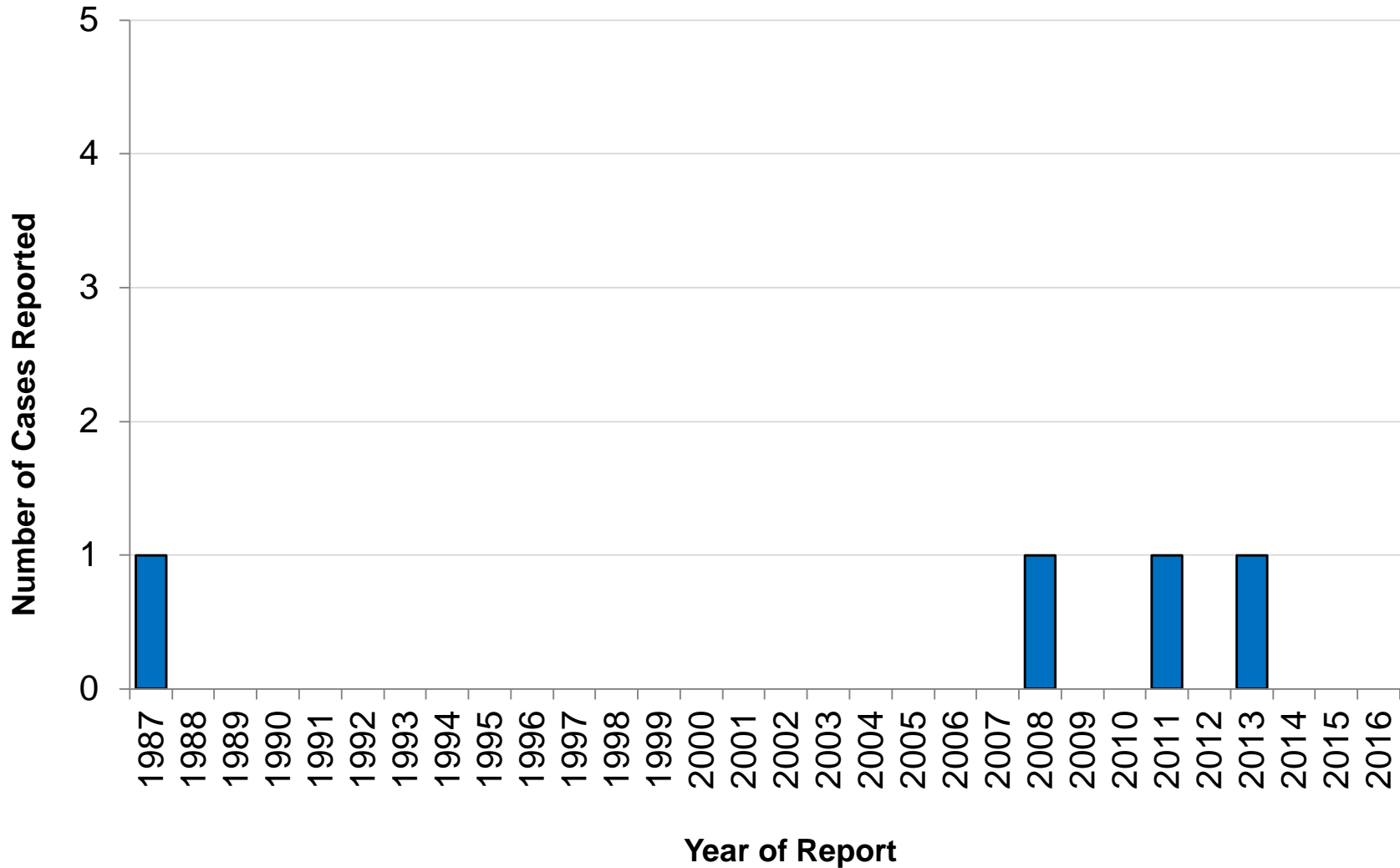
(primary, secondary, and congenital only)

Cases: Idaho, 1987 – 2016



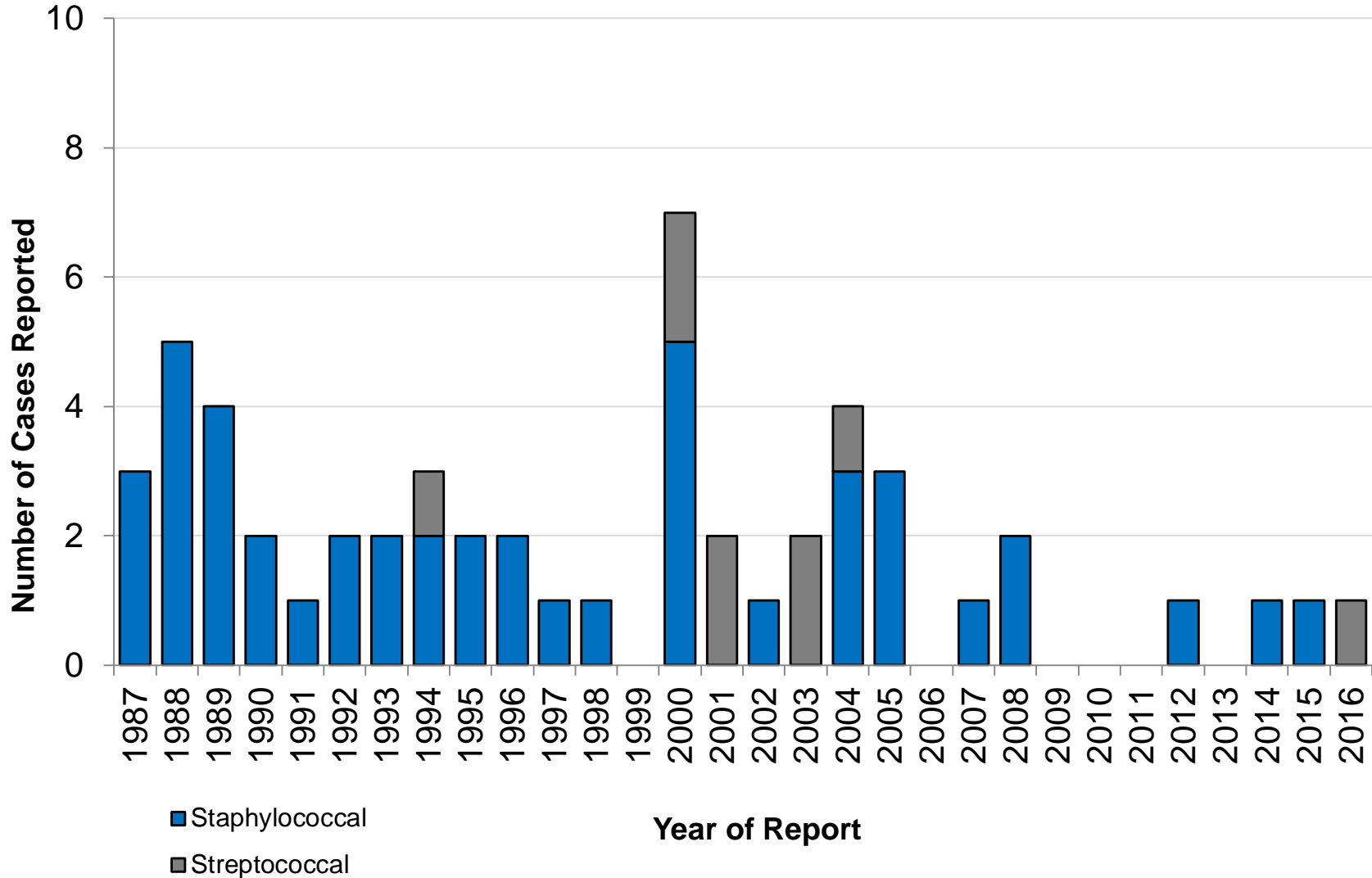
Tetanus

Cases: Idaho, 1987 – 2016



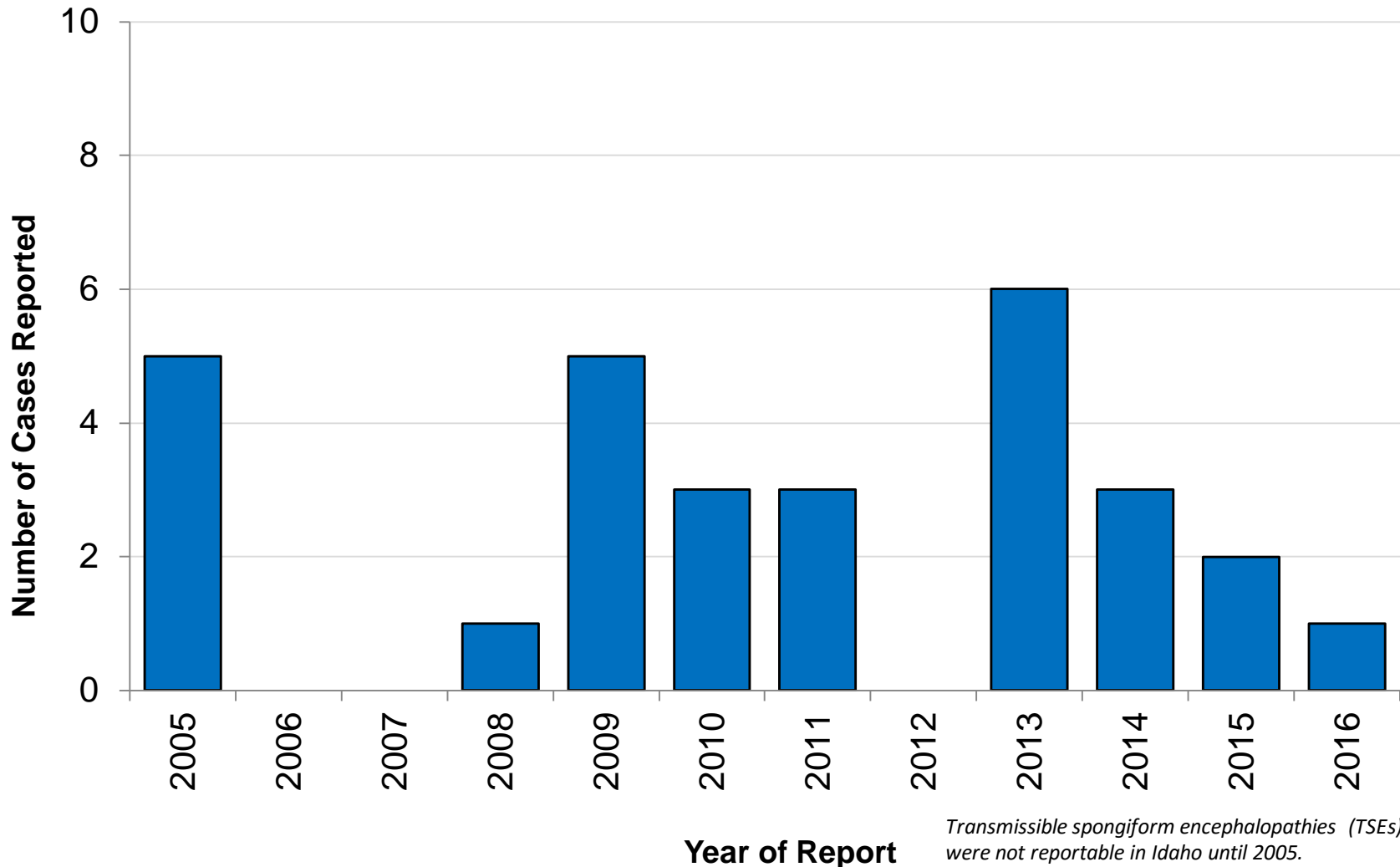
Toxic Shock Syndrome

Cases: Idaho, 1987 – 2016



Transmissible Spongiform Encephalopathies

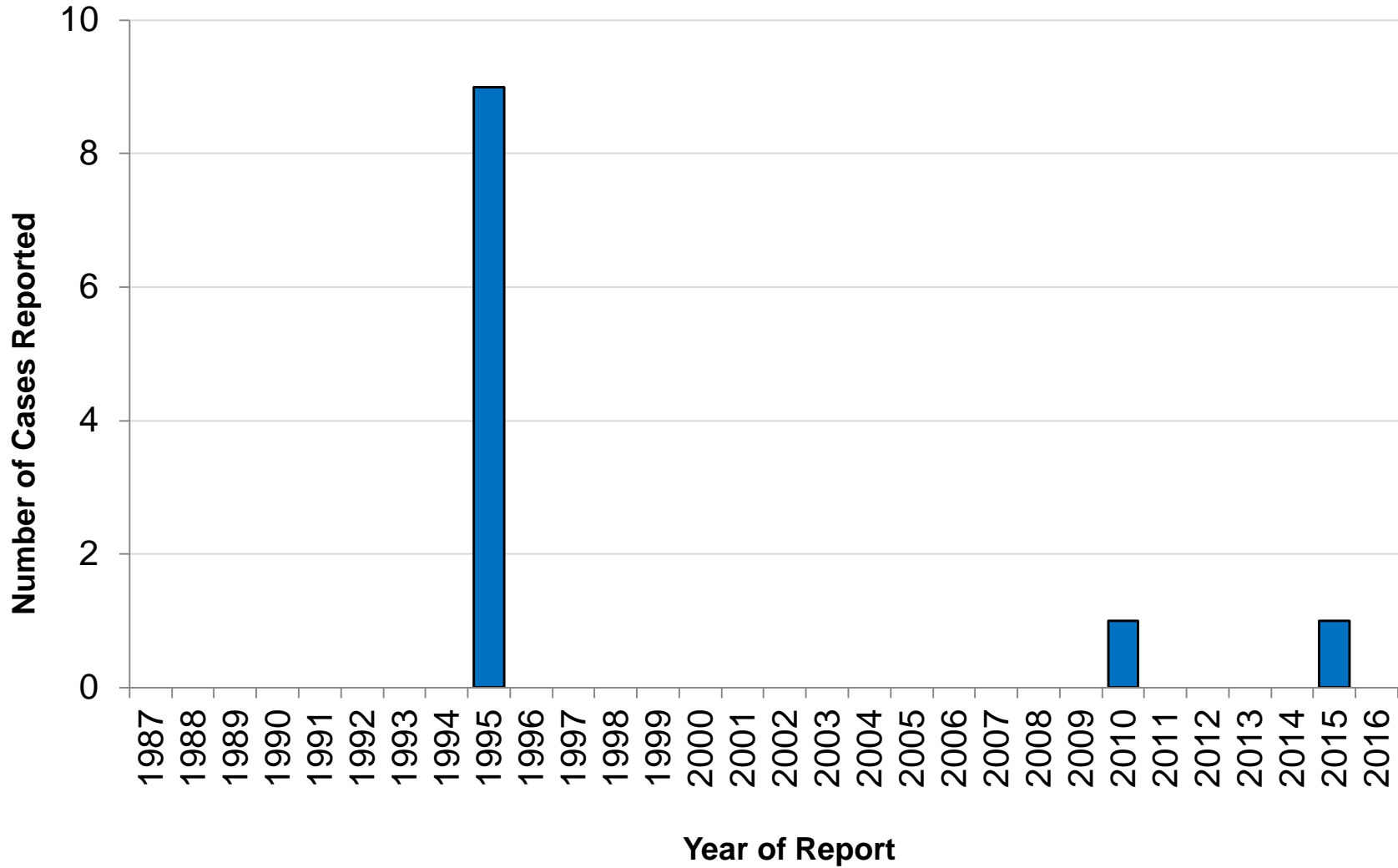
Cases: Idaho, 2005 – 2016



Transmissible spongiform encephalopathies (TSEs) were not reportable in Idaho until 2005. Disease counts include cases reported to public health during the year and determined to be probable or confirmed TSE after review of clinical symptoms and/or laboratory confirmation.

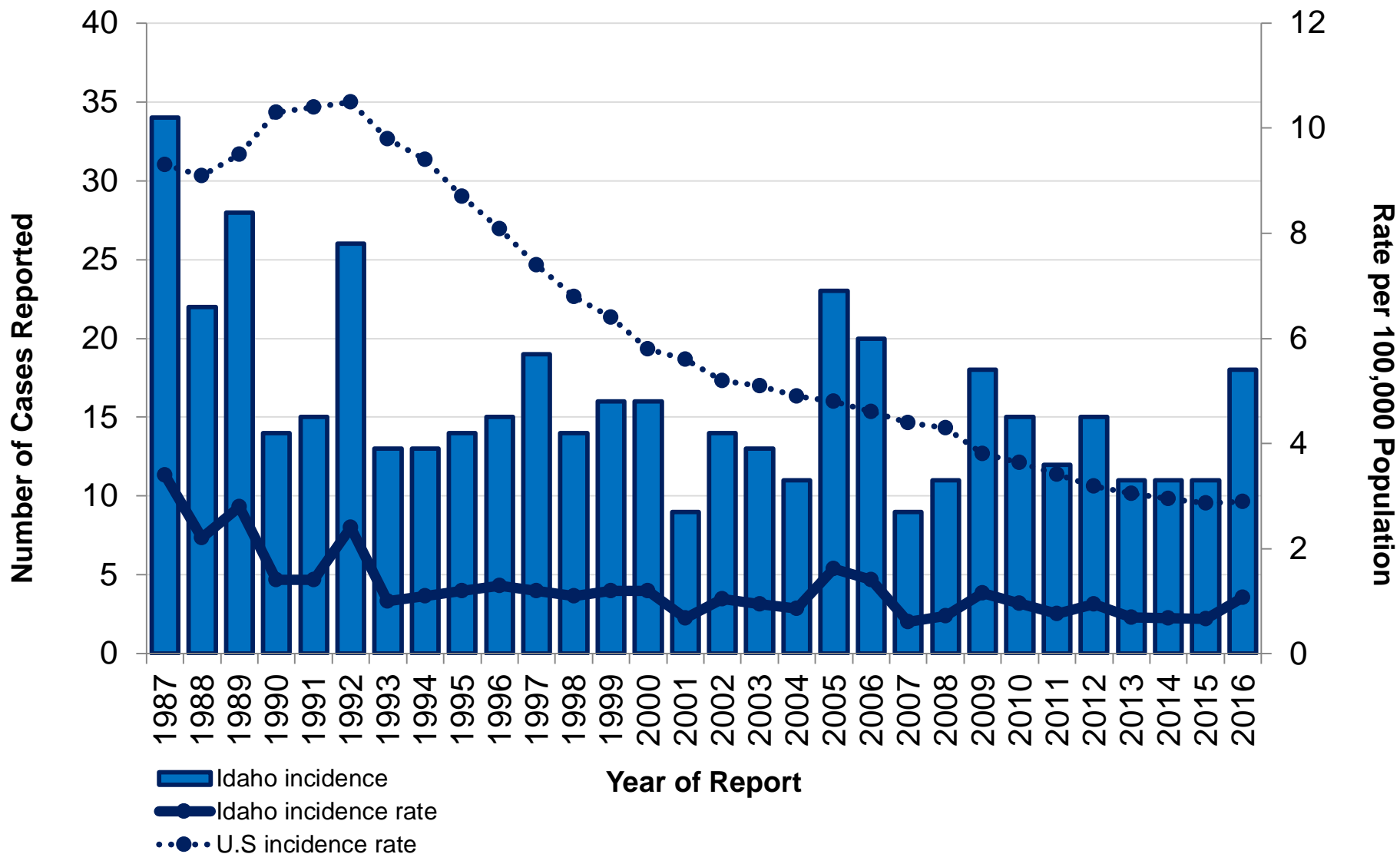
Trichinosis

Cases: Idaho, 1987 – 2016



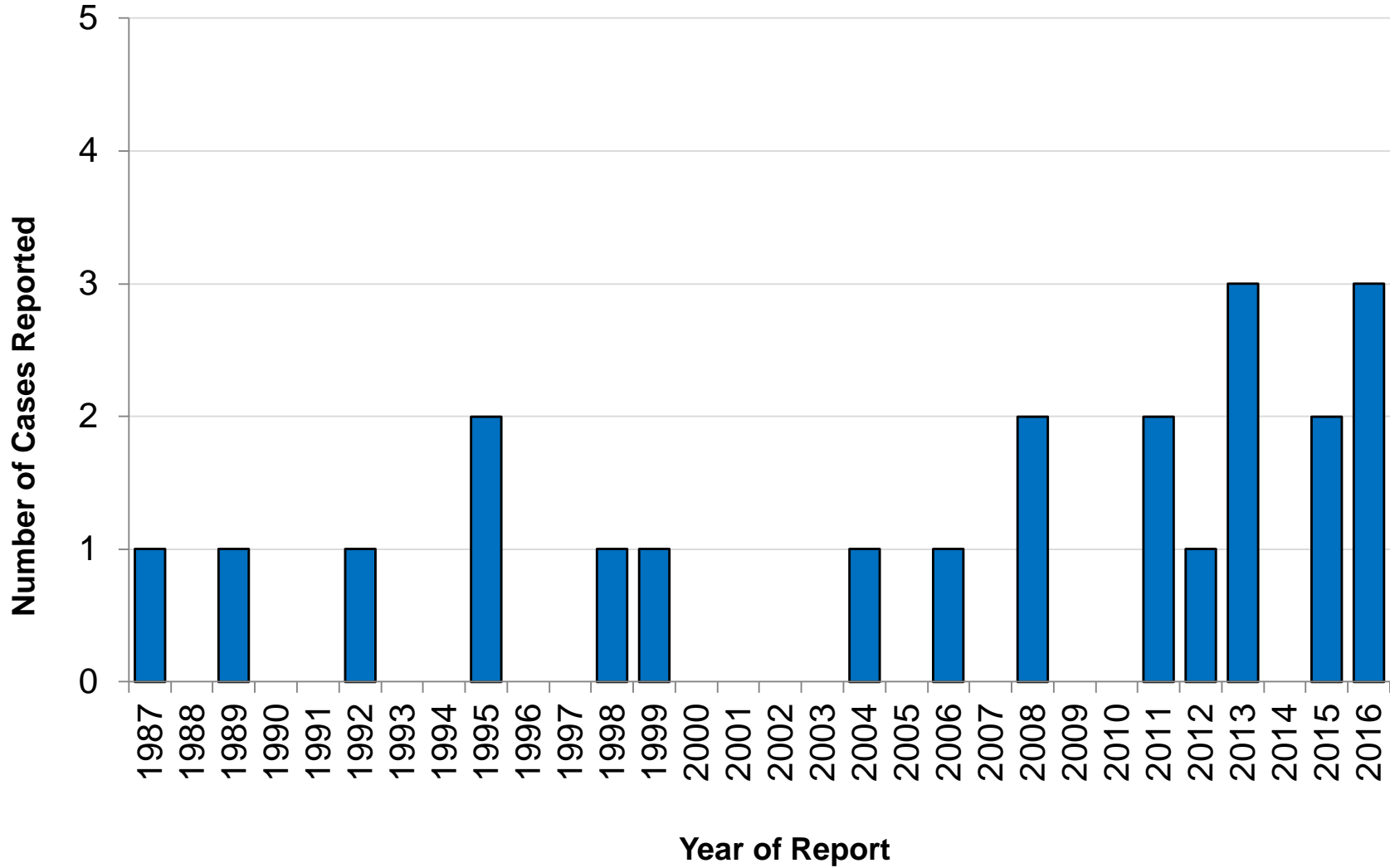
Tuberculosis

Cases and rate of disease per 100,000 population: Idaho and U.S, 1987 – 2016



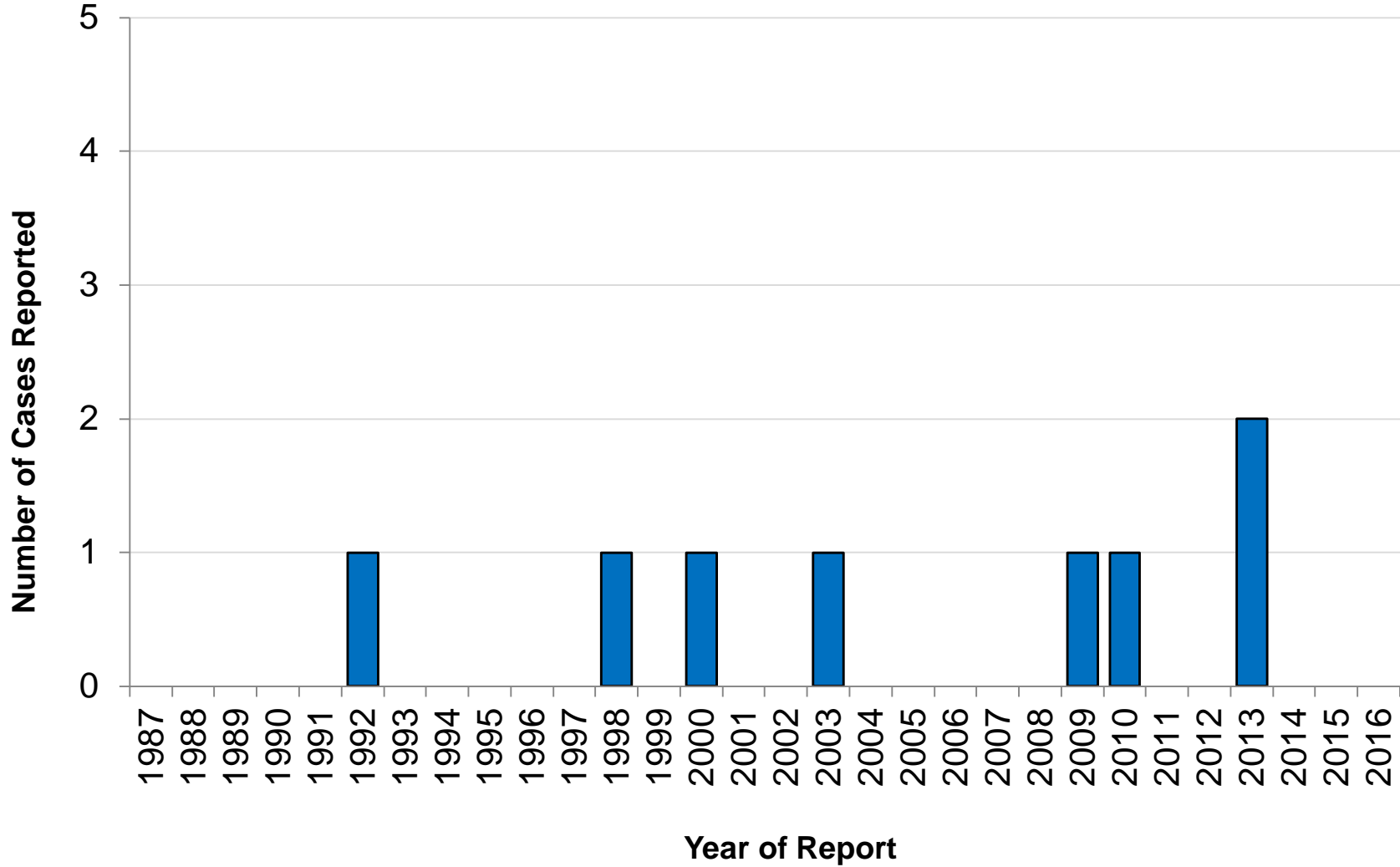
Tularemia

Cases: Idaho, 1987 – 2016



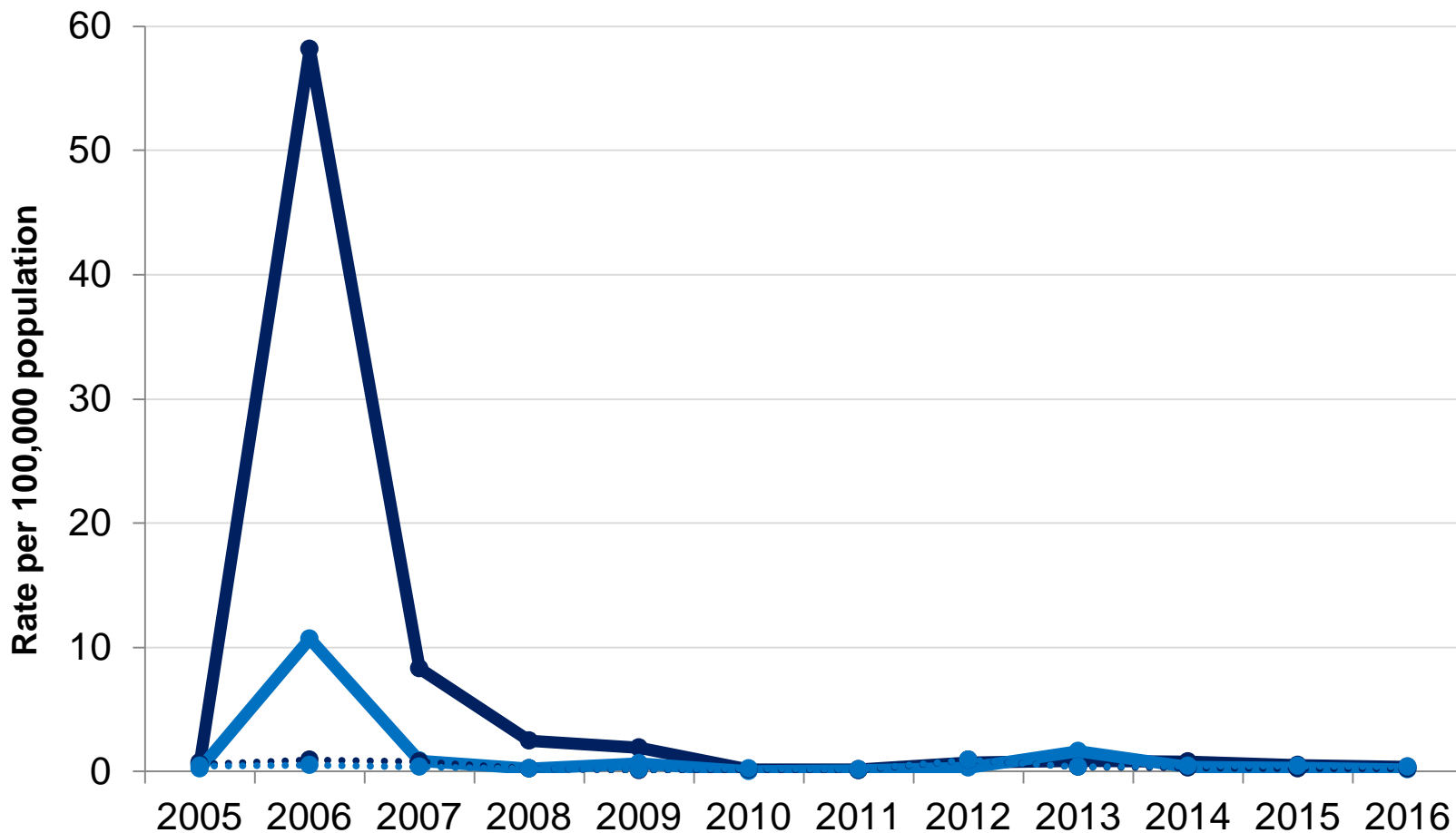
Typhoid Fever

Cases: Idaho, 1987 – 2016



West Nile Virus Infections

Rate of disease per 100,000 population: Idaho and U.S, 2005 – 2016



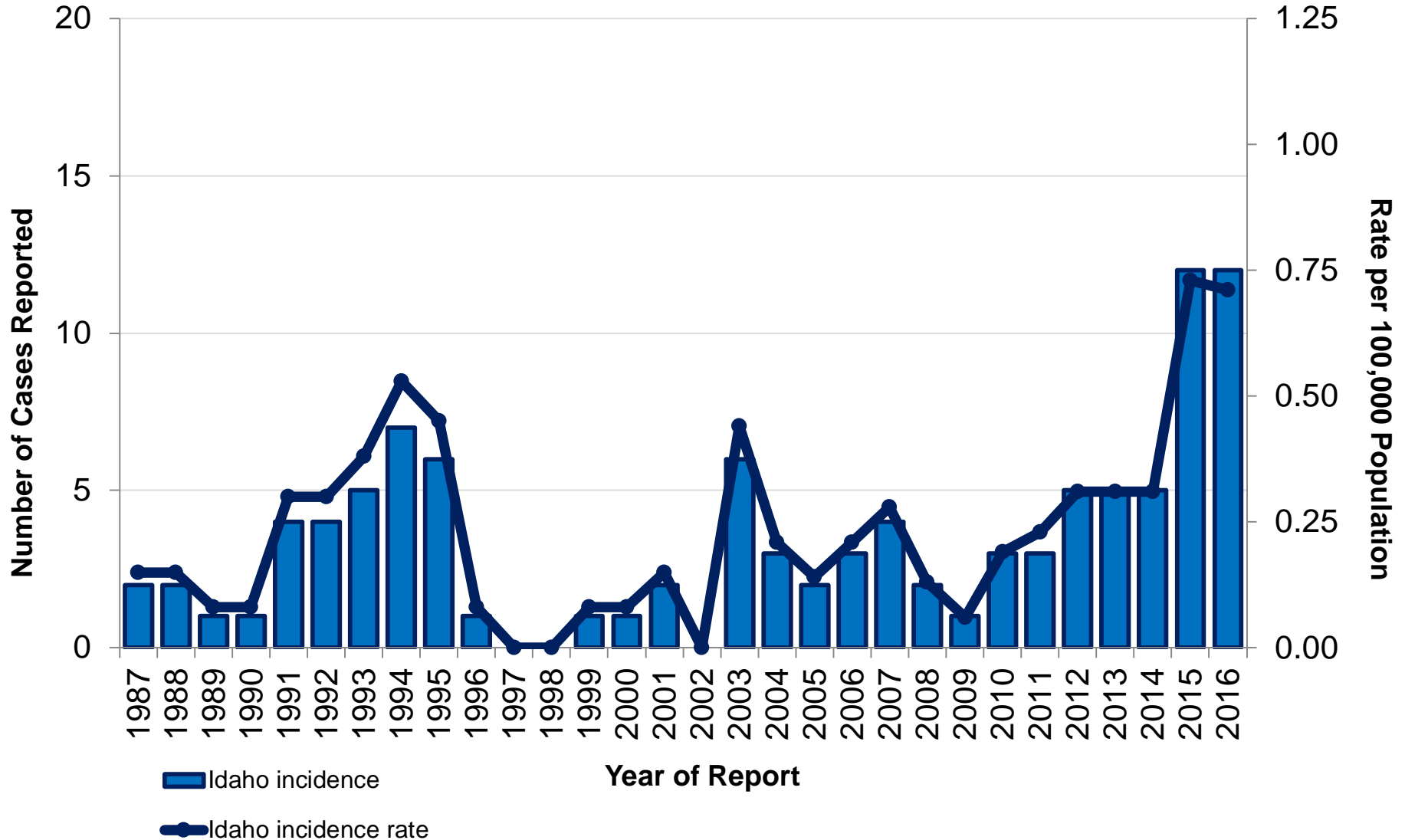
- Idaho Non-neuroinvasive incidence rate
- Idaho Neuroinvasive incidence rate
- U.S. Non-neuroinvasive incidence rate
- U.S. Neuroinvasive incidence rate

Year of Report

West Nile virus (WNV) infections were not reportable in Idaho until 2005. For additional information about WNV infections in Idaho, see www.westnile.idaho.gov.

Yersiniosis

Cases and rate of disease per 100,000 population: Idaho, 1987 – 2016



Reportable Diseases Without Graphs

- Cancer
 - Data available from the Cancer Data Registry of Idaho (CDRI) at: <http://www.idcancer.org/>
- Newborn screening abnormal findings
 - Biotinidase deficiency
 - Congenital hypothyroidism
 - Maple syrup urine disease
 - Galactosemia
 - Phenylketonuria
- Rare conditions without recent cases reported
 - Cholera
 - Human rabies
 - Smallpox
 - Severe Acute Respiratory Syndrome (SARS)
- Novel influenza A