

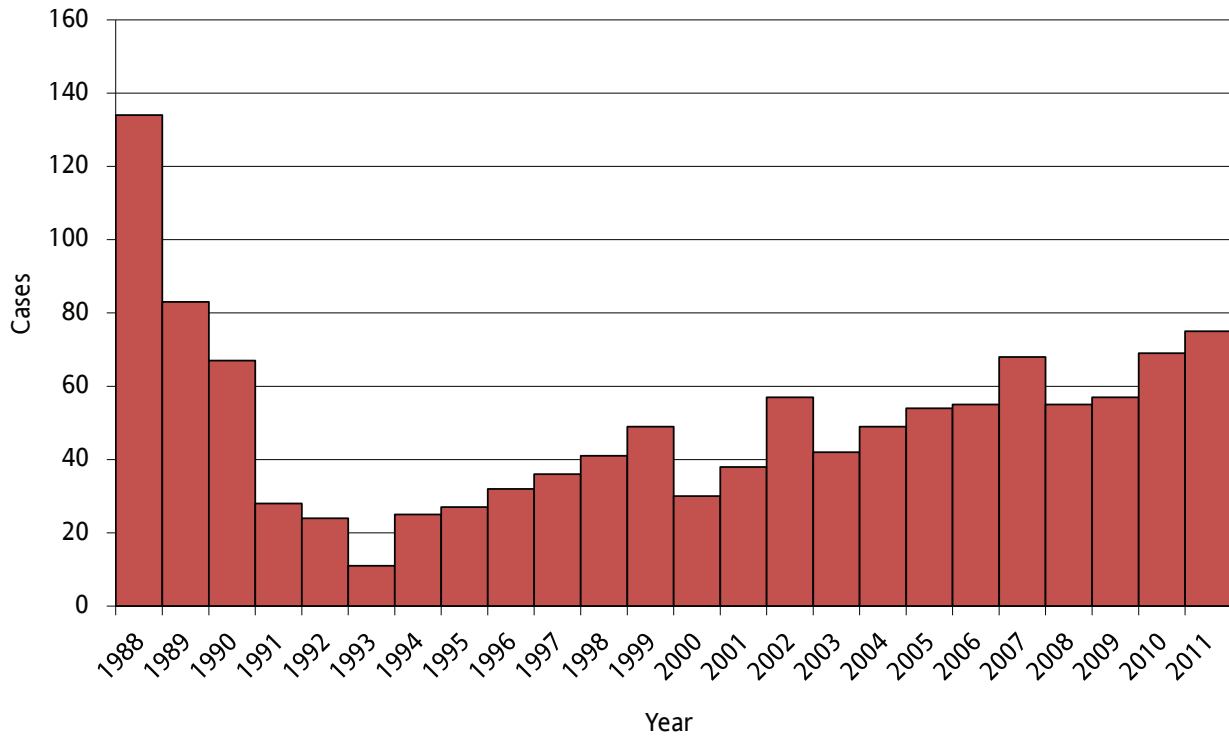
Haemophilus influenzae infection

Until the advent of an effective vaccine against serotype b (Hib) organisms, *Haemophilus influenzae* (*H. influenzae*) was the leading cause of bacterial meningitis in children under 5 years of age in Oregon and elsewhere. It has dropped down in the rankings, and *Streptococcus pneumoniae* is now in the lead. In 2011, Hib was cultured from sterile body fluids in one person, a 31-year old female with no underlying conditions. Until September 2010, there had been no cases of Hib in a child less than 5 years of age since 2004. Appropriate use of conjugate vaccine will help ensure that Hib occurrence remains minimal well into the future. All sterile site *H. influenzae* isolates must be sent to the Oregon State Public Health Laboratory for additional typing.

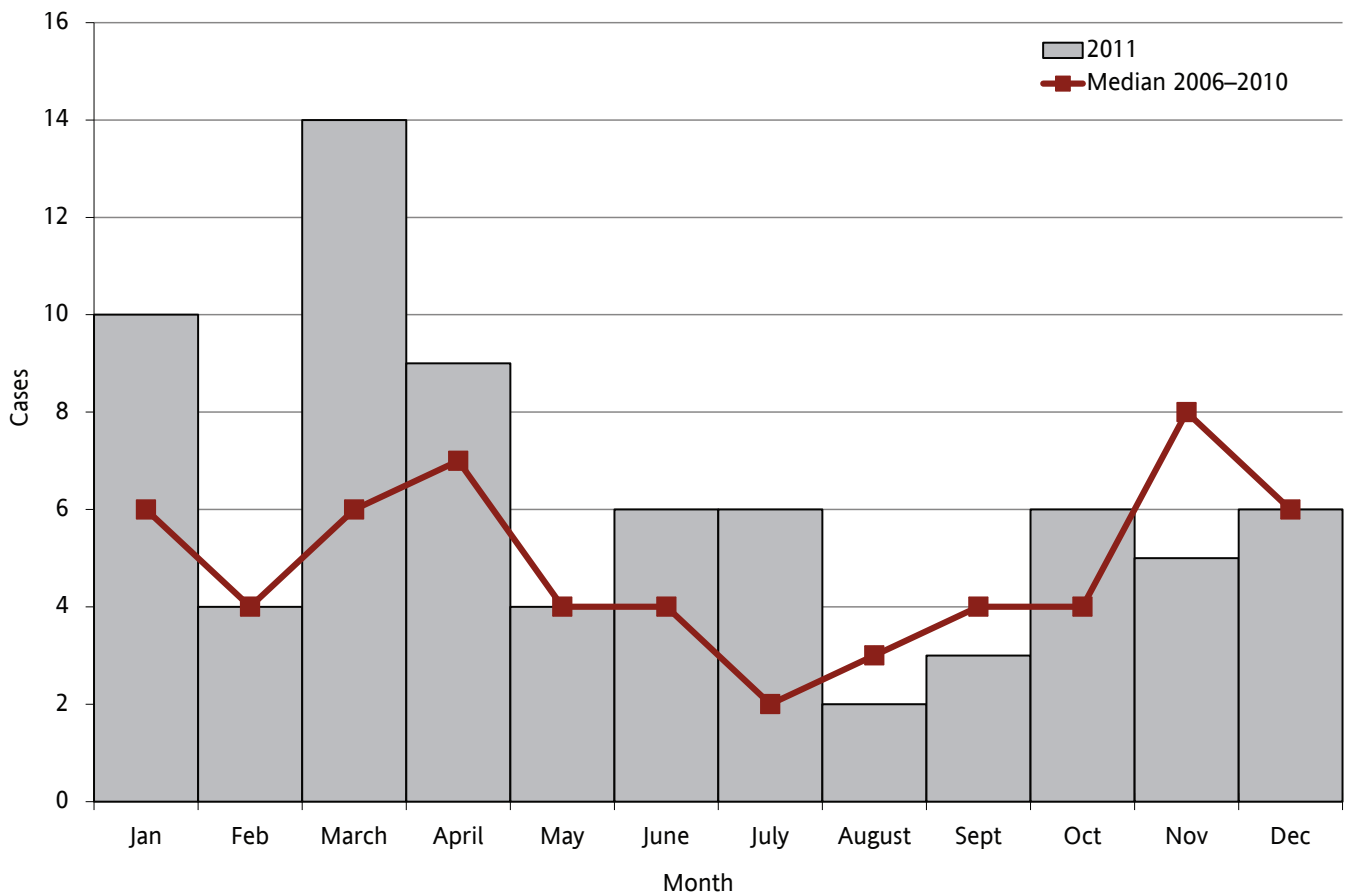
With the decline in invasive Hib disease in children, there has been increased recognition of non-serotype b and nontypeable cases in persons over 5 years of age, especially among those 65 years of age or older. In 2011, 70% of cases were nontypeable, 15% were identified as serotype f, and the remaining cases were other serotypes. The burden of invasive *Haemophilus influenzae* disease (IHID) in 2011 was highest (7.42/100,000 persons) among those 65 years of age and older, followed by those 35–64 years (1.35/100,000 persons). Oregon is currently participating in an extensive CDC-sponsored retrospective chart review of IHID among cases 65 years of age or older to better understand the burden of disease within this age group. In 2011, the top two clinical syndromes of invasive IHID reported were bacteremic pneumonia (clinical pneumonia with a positive blood culture) (70%) and primary bacteremia (16%).

Peak incidence occurs in late winter and early spring. Seventy-four cases were reported in 2011.

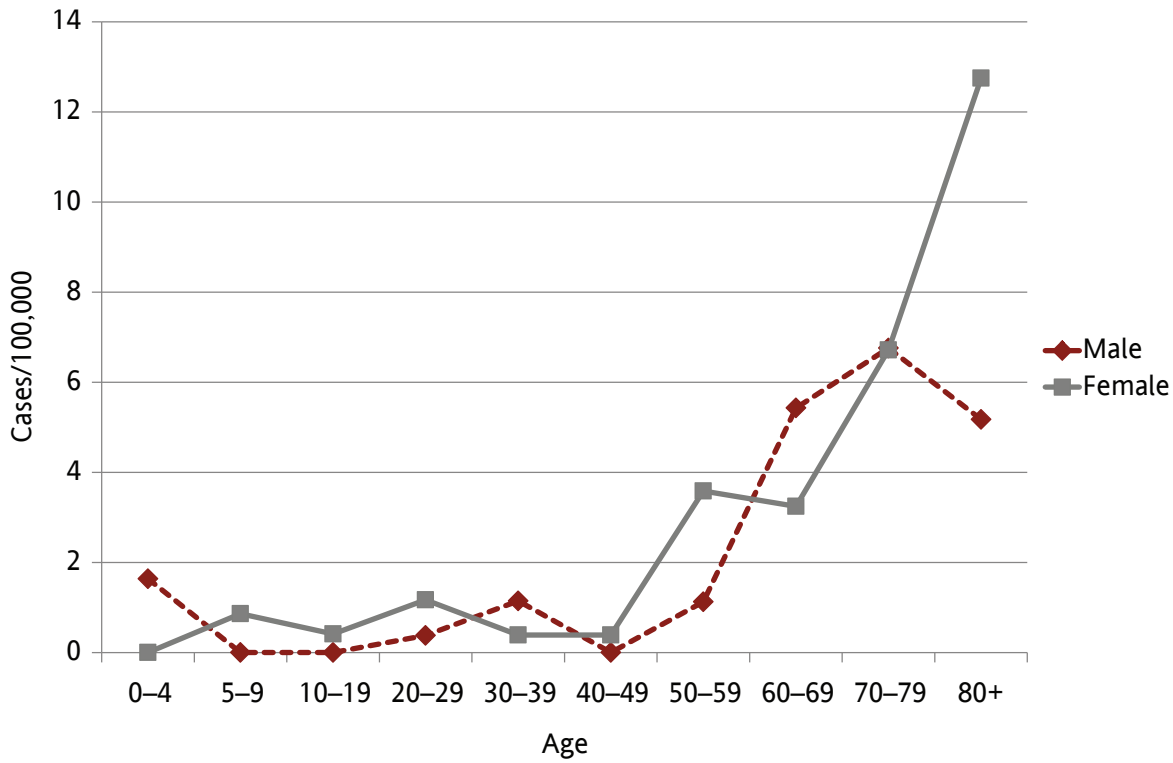
H. influenzae infection by year: Oregon, 1988–2011



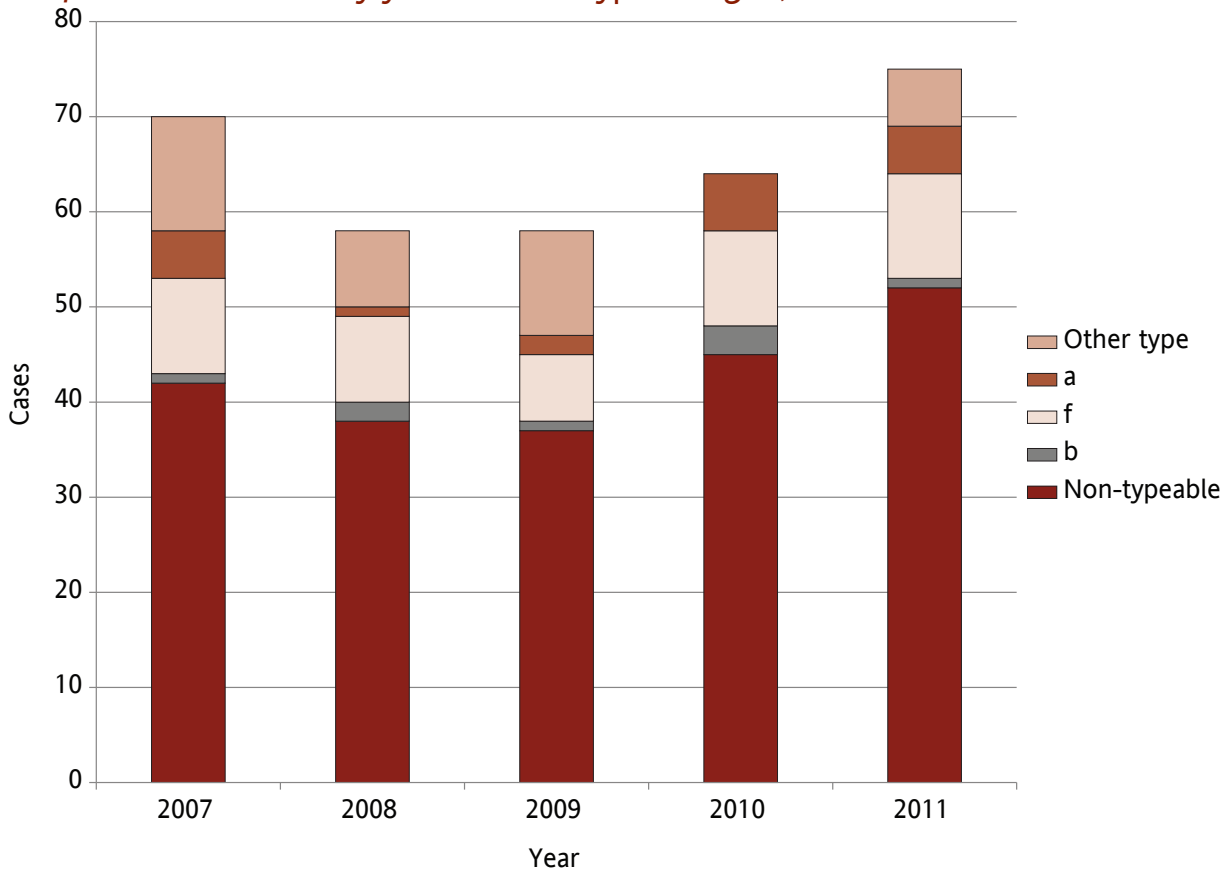
H. influenzae infection by onset month: Oregon, 2011



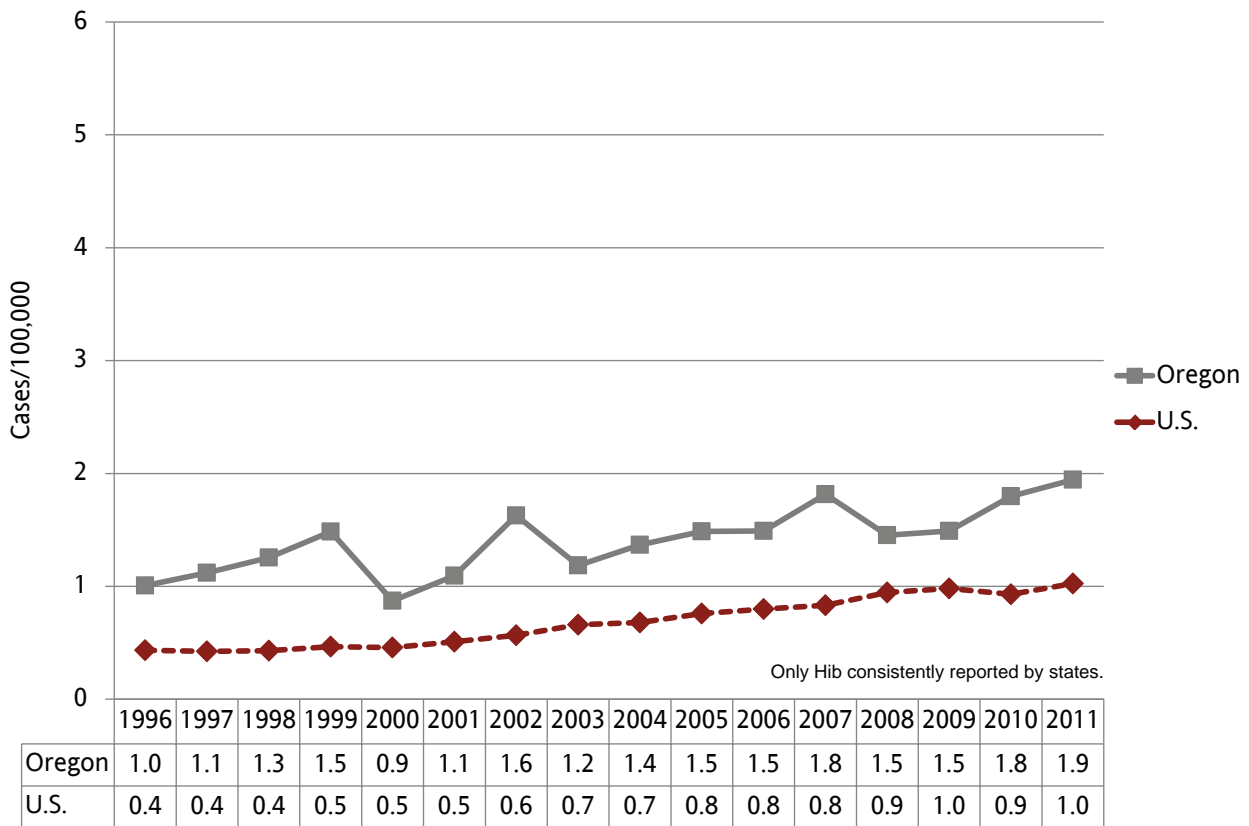
Incidence of *H. influenzae* infection by age and sex: Oregon, 2011



H. influenzae infection by year and serotype: Oregon, 2007–2011



Incidence of *H. influenzae* infection: Oregon vs. nationwide, 1996–2011



Incidence of *H. influenzae* infection by county of residence: Oregon, 2002–2011

