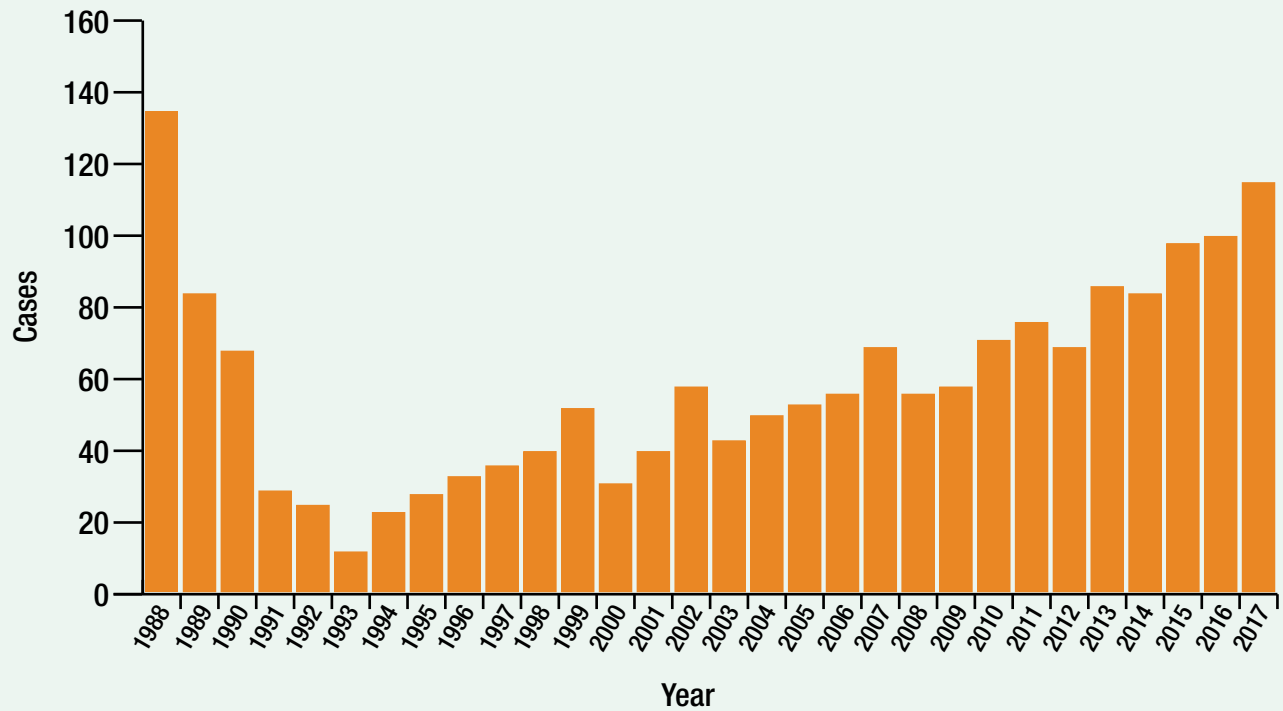


Haemophilus influenzae infection

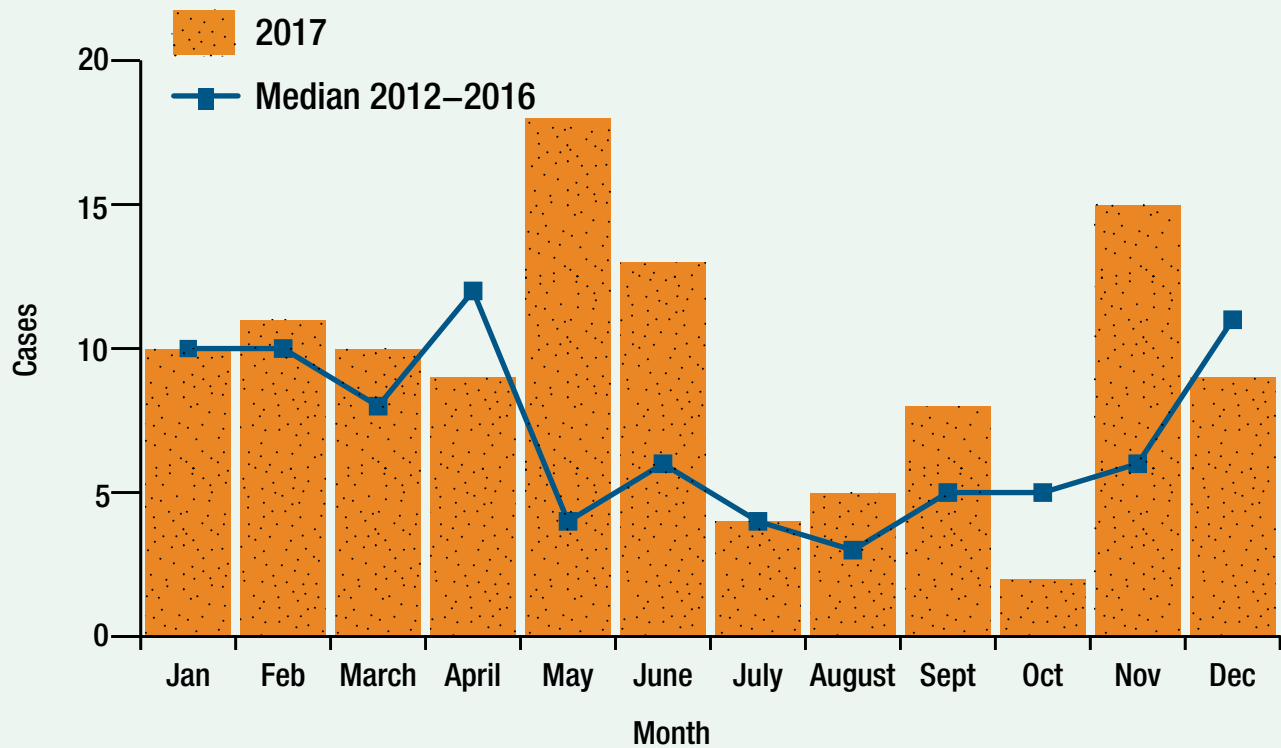
Until the advent of an effective vaccine against *Haemophilus influenzae* serotype b (Hib) organisms, *H. influenzae* was the leading cause of bacterial meningitis in children <5 years of age in Oregon and elsewhere. It plummeted in the rankings, and *Streptococcus pneumoniae* is now in the lead. In 2017, no cases of Hib were reported. Appropriate use of conjugate vaccine will help ensure Hib infection 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.

One hundred fourteen cases of invasive *H. influenzae* disease (IHiD, all serotypes) occurred in 2017. With the decline in invasive Hib disease in children, there has been increased recognition of nonserotype b and nontypeable cases in persons >5 years of age, especially among those >65 years of age. In 2017, 76% of cases were nontypeable, 11% were identified as serotype f, 7% as serotype a, and 3% were serotype f. The burden of IHiD in 2017 was highest (10.2/100,000 persons) among those >60 years of age, followed by those 0–4 years of age (4.1/100,000 persons) and then those 35–64 years of age (2/100,000 persons). *Haemophilus influenzae* is treated with antibiotics. In 2017, the top clinical syndrome of invasive IHiD reported in Oregon was pneumonia (67%). Ninety-four percent of cases were hospitalized. There were 12 deaths related to IHiD infection.

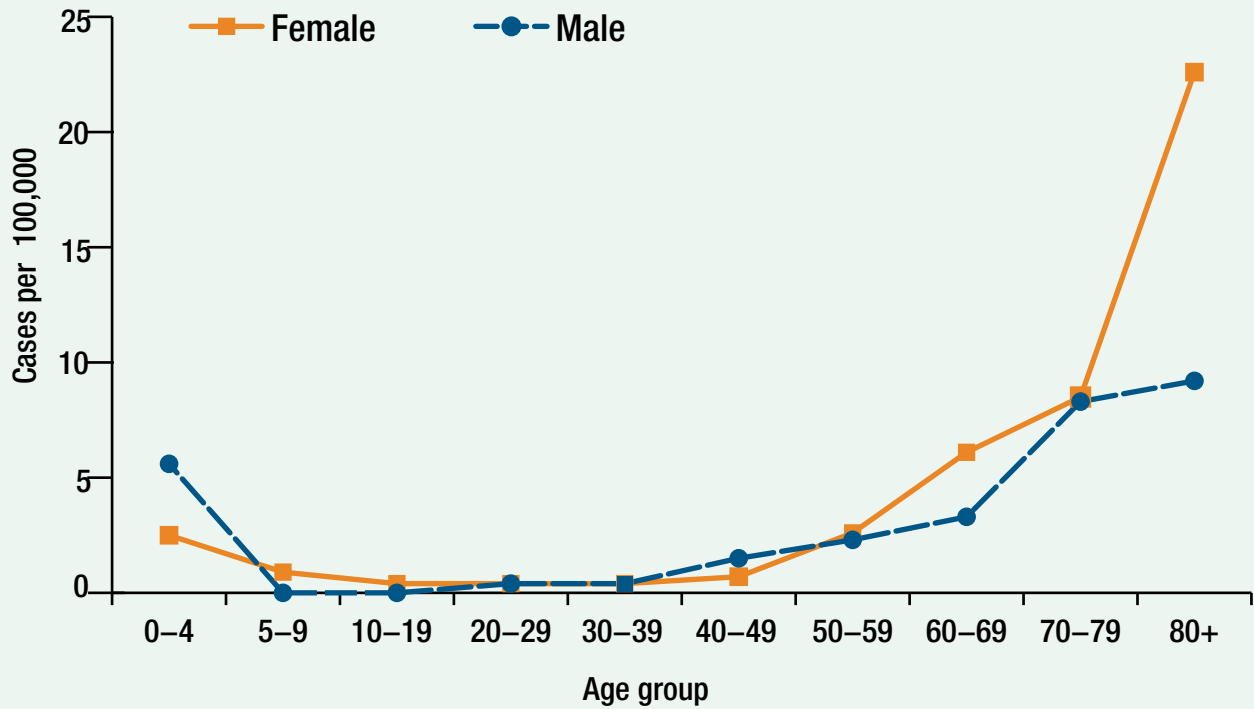
H. influenzae infection by year: Oregon, 1988–2017



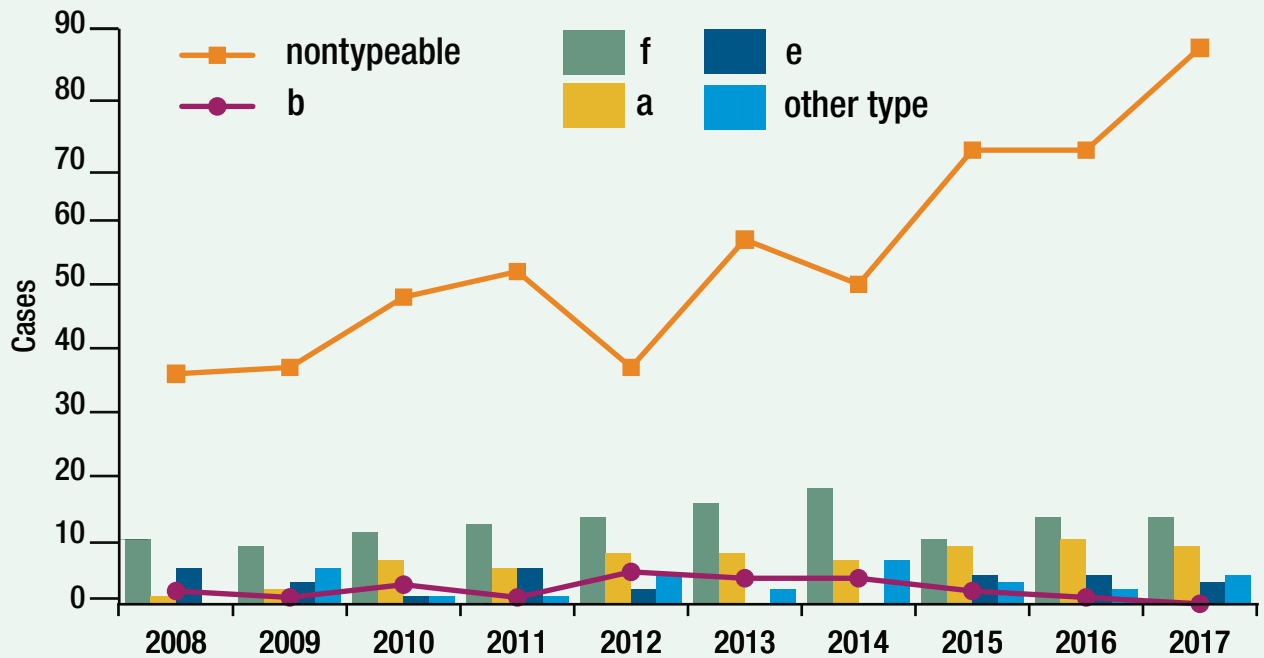
H. influenzae infection by onset month: Oregon, 2017



Incidence of *H. influenzae* infection by age and sex: Oregon, 2017

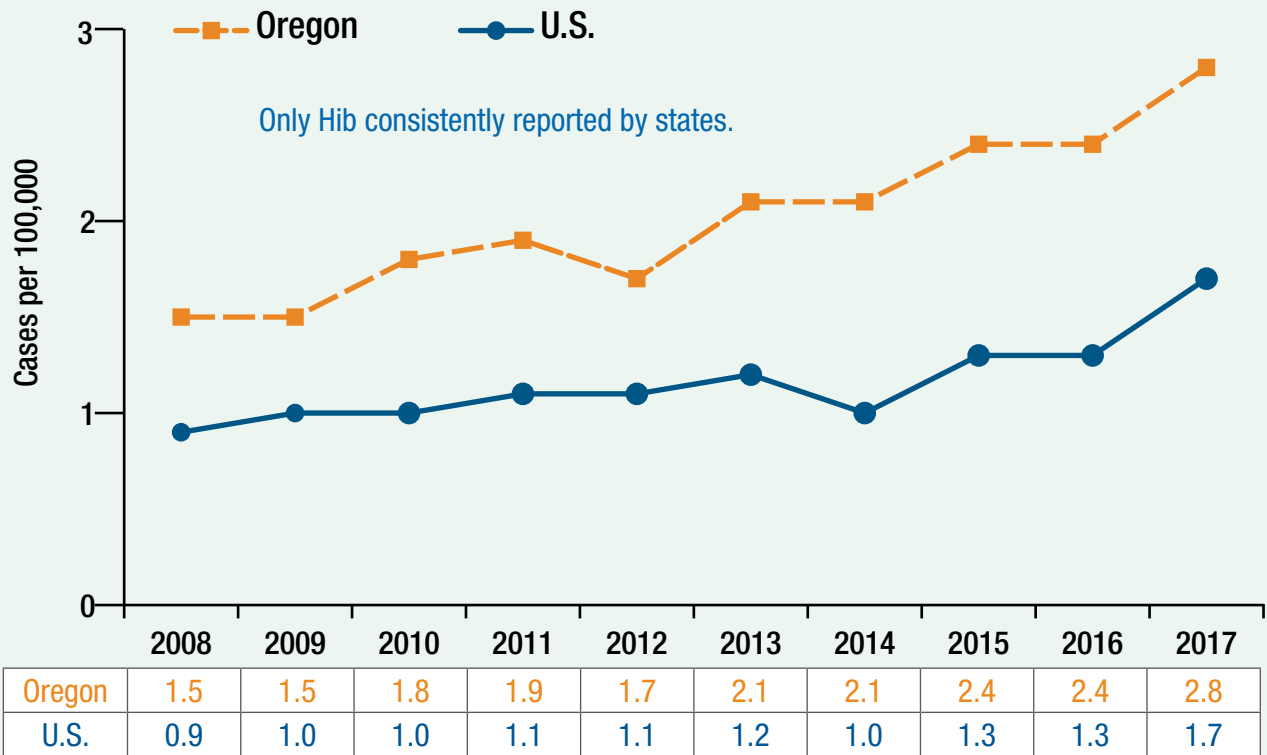


H. influenzae infection by year and serotype: Oregon, 2008–2017

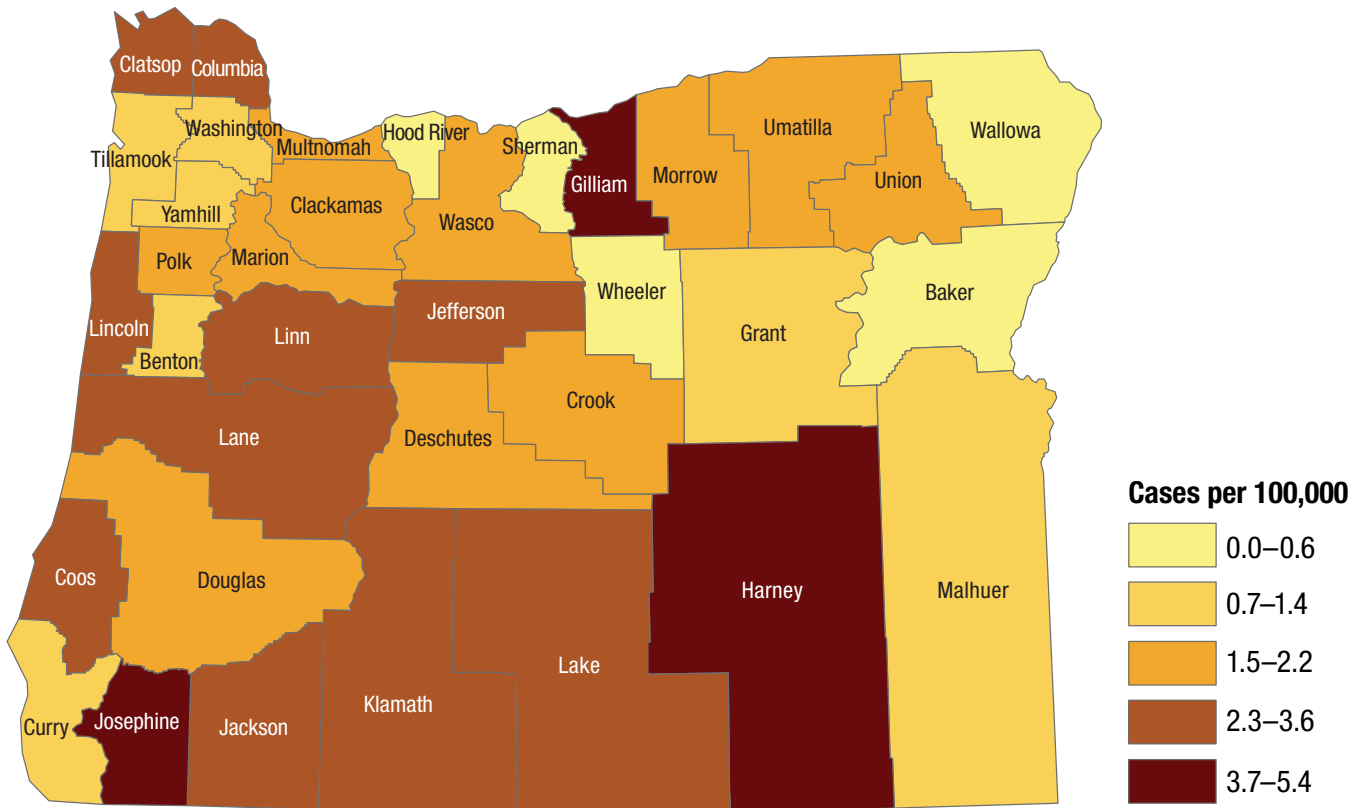


	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Nontypeable	36	37	48	52	37	57	50	71	71	87
b	2	1	3	1	5	4	4	2	1	0
f	9	8	10	11	12	14	16	9	12	12
a	1	2	6	5	7	7	6	8	9	8
e	5	3	1	5	2	0	0	4	4	3
Other type	0	5	1	1	4	2	6	3	2	4

Incidence of *H. influenzae* infection: Oregon vs. nationwide: 2008–2017



Incidence of *H. influenzae* infection by county of residence: Oregon, 2008–2017



Prevention

- Vaccinate all children against Hib at 2 months, 4 months, 6 months and 12–15 months of age.
- Cover your cough and wash your hands.
- Close contacts of Hib cases can be treated prophylactically to prevent infection.