AUGUST 2018 SURVEILLANCE SUMMARY

The Oregon Active Bacterial Core Surveillance (ABCs) program conducts laboratory and population-based surveillance for invasive disease due to *Haemophilus influenzae*, *Neisseria meningitidis*, group A and group B Streptococcus and *Streptococcus pneumoniae*. All data are provisional.

**Surveillance Area**

In Oregon, the surveillance area for *H. influenzae* and *N. meningitidis* comprises the entire state, with a 2017 estimated population of 4,141,100. The surveillance area for the remainder of the pathogens comprises the tri-county (Clackamas, Multnomah and Washington) Portland metropolitan area, with a 2017 estimated population of 1,811,860.

**Haemophilus influenzae**

With 5 cases reported, the incidence of invasive *H. influenzae* disease (IHiD) in Oregon was 0.12 per 100,000 population in August, which is 17% higher than the 5-year monthly average (0.10 per 100,000). The current year-to-date (YTD) incidence (1.6 per 100,000) is 6% lower than the 5-year YTD average (1.64 per 100,000). In 2018, the serotype profile of IHiD cases (n=62) has been 6% serotype a, 2% serotype b, 6% serotype e, 6% serotype f, and 80% nontypeable.
Neisseria meningitidis

With no cases reported, the incidence of invasive meningococcal disease (IMD) in Oregon was 0.00 per 100,000 population in August, which is 100% lower than the 5-year monthly average (0.01 per 100,000). The current year-to-date incidence (0.31 per 100,000) is 0.44% lower than the 5-year YTD average (0.32 per 100,000). In 2018, 8 cases were serogroup C, 2 cases were serogroup B, and 2 cases were serogroup Y.

Group A streptococcus

With 15 cases reported, the incidence of invasive Group A streptococcus (GAS) disease in the tri-county area was 0.83 per 100,000 population in August, which is 50% higher than the 5-year monthly average (0.55 per 100,000). The current year-to-date incidence (7.73 per 100,000) is 39% higher than the 5-year YTD average (5.56 per 100,000). In 2018, there have been 8 cases of necrotizing fasciitis and one case of streptococcal toxic shock syndrome reported.
With 18 cases reported, the incidence of invasive Group B streptococcal (GBS) disease in the tri-county area was 0.99 per 100,000 population in August, which is the same as the 5-year monthly average (0.99 per 100,000). The current year-to-date incidence (7.23 per 100,000) is 19% higher than the 5-year YTD average (6.04 per 100,000). In 2018, 2 cases occurred in infants <7 days of age and were classified as early-onset invasive GBS disease; 2 cases occurred in an infant 7-89 days of age and were classified as late-onset invasive GBS disease.

**Streptococcus pneumoniae**

With 5 cases reported, the incidence of invasive pneumococcal disease (IPD) in the tri-county area was 0.28 per 100,000 population in August, which is 5% higher than the 5-year monthly average (0.23 per 100,000). The current year-to-date incidence (6.8 per 100,000) is 12% higher than the 5-year YTD average (6.1 per 100,000).

**Contact Us**

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