

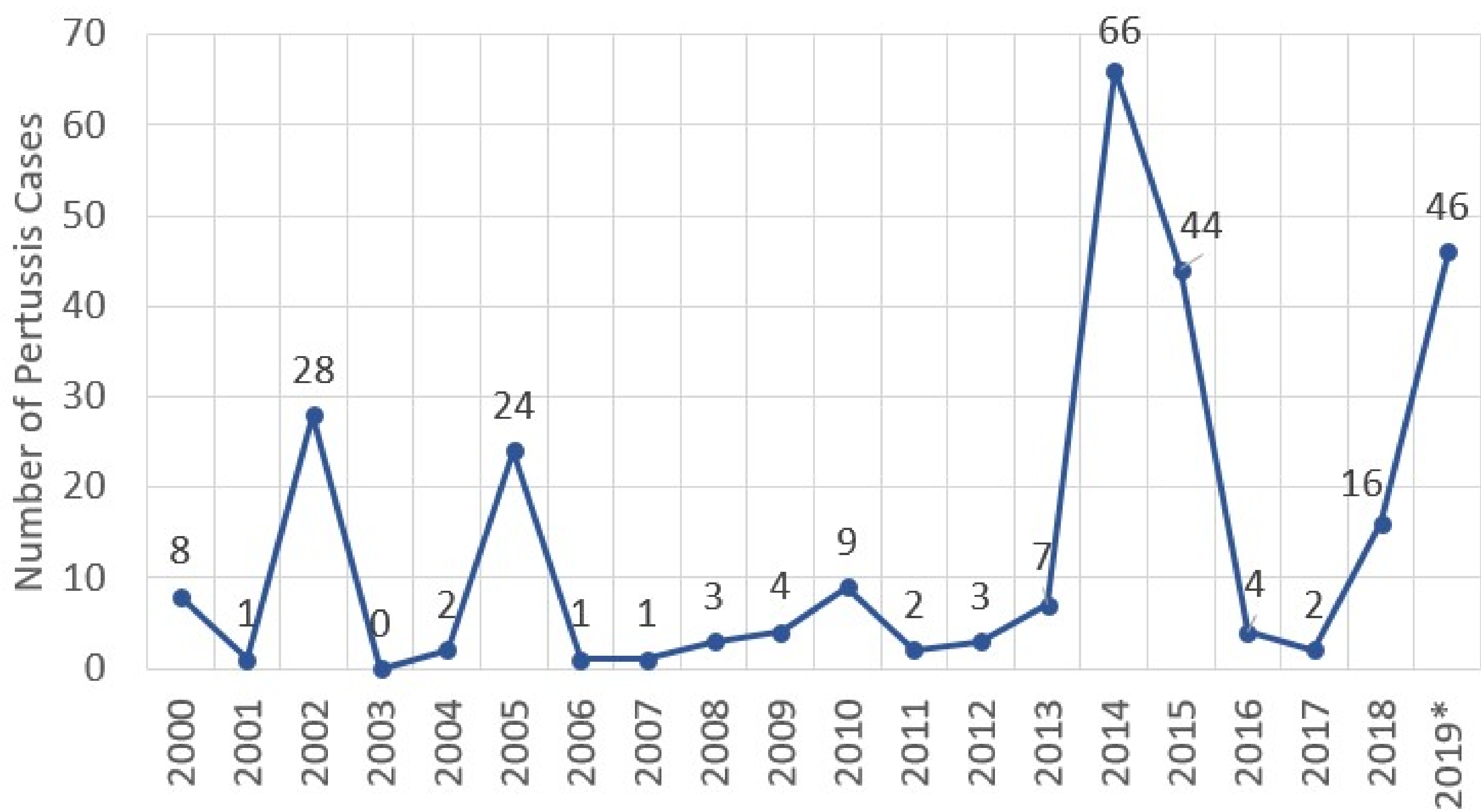
# Central Oregon Public Health Quarterly

Communicable Disease Update for Crook, Deschutes, and Jefferson Counties  
2019: Quarter 3

24/7 Communicable Disease reporting lines: : Crook County: 541-447-5165 : Deschutes County: 541-322-7418 : Jefferson County: 541-475-4456

## Pertussis Cases in Central Oregon

Annual number of pertussis cases in Central Oregon



**The number of pertussis cases varies by year in Central Oregon, with peaks seen every 3-5 years.**

There were a total of 271 cases in Central Oregon between 2000 and September of 2019. The number of cases each year has ranged from a low of 0 cases in 2003 to a peak of 66 cases in 2014. In 2019 (as of late September), there were 46 cases of pertussis in Central Oregon.

Most (90.4%) cases of pertussis in Central Oregon were among Deschutes County residents, followed by Jefferson County (6.6%) and Crook County (3.0%).

\*2019 data is year-to-date as of September 27, 2019

## Pertussis by Age Group in Central Oregon

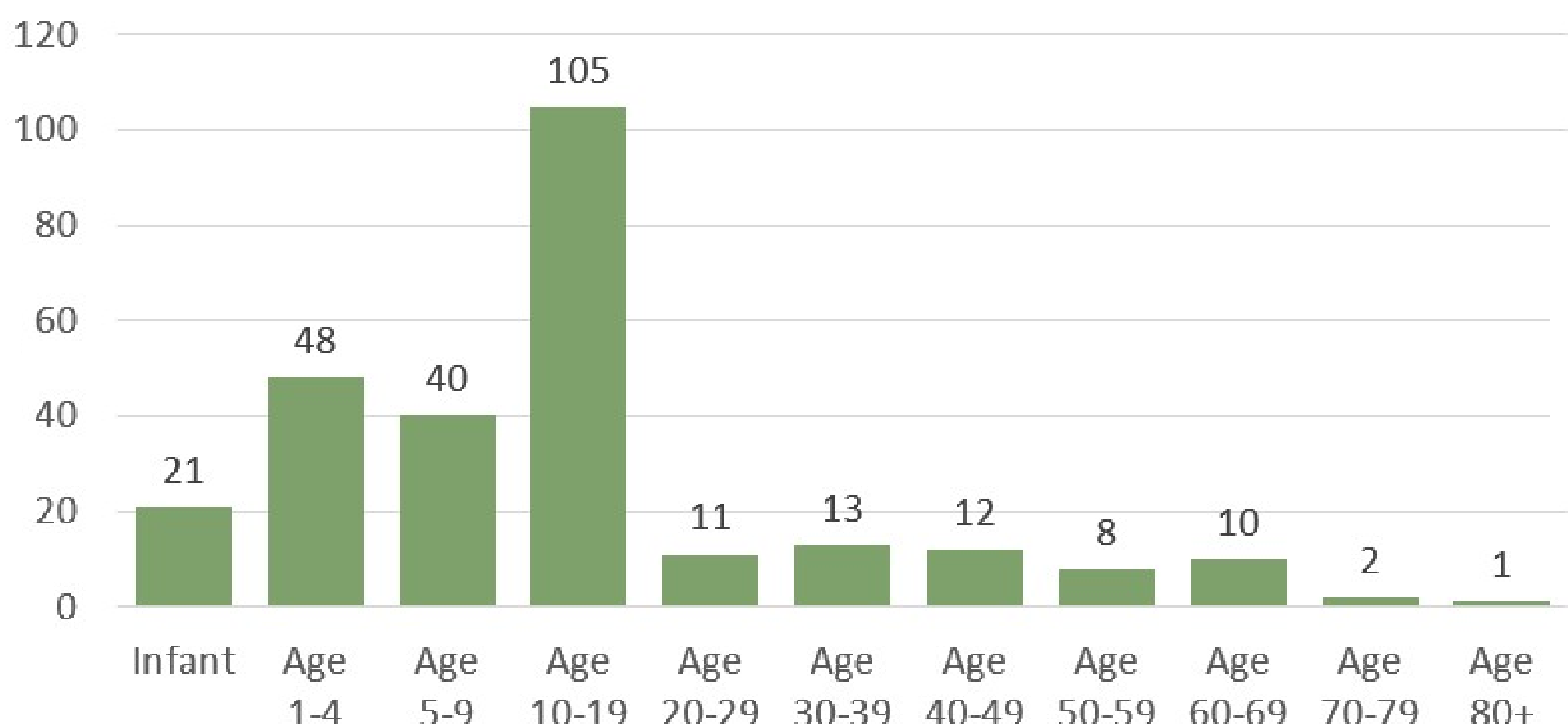
**Most pertussis cases in Central Oregon are children and teenagers.**

Around 78.7% of pertussis cases in Central Oregon were aged <20, and around 40% of cases were aged <10.

There were 21 infant cases under the age of 1, representing around 7.7% of cases.

The age distribution of cases in Central Oregon over the past 20 years is similar to the distribution seen across Oregon as a whole.

Central Oregon pertussis cases by age group, 2000-2019\*

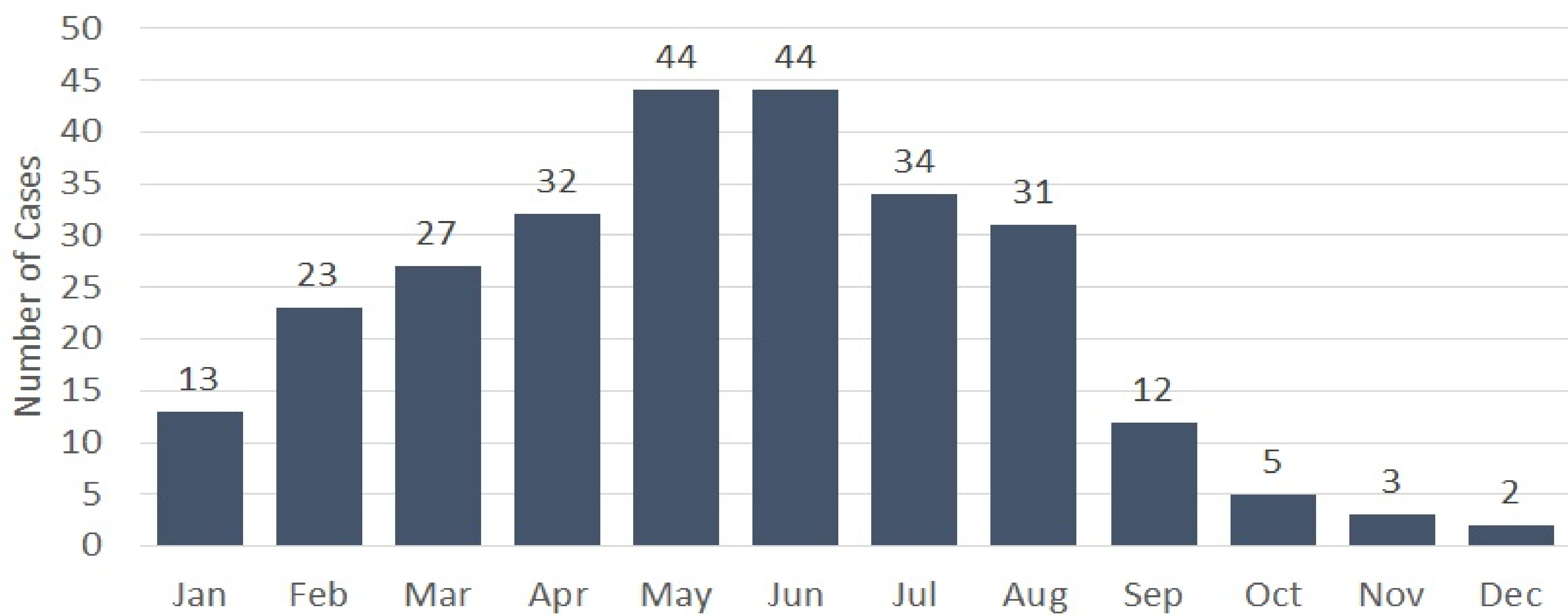


\*2019 data is year-to-date as of September 27, 2019



# Pertussis in Central Oregon by Month

Central Oregon Pertussis Cases by Month, 2000-2019\*



Late spring and early summer are the most common months for pertussis cases to occur in Central Oregon.

Over the past twenty years, nearly 70% of cases occurred between April and August.

\*As of August 31, 2019

## Vaccination for Pertussis

There are two vaccines that help prevent pertussis: DTaP and Tdap. DTaP is typically given to children under the age of 7, and Tdap is given to people over the age of 7. In Oregon, 5 doses of DTaP are required for kindergarteners and 1 Tdap booster is required for 7th graders.

The current CDC recommendations for pertussis vaccination is shown below. Vaccination for pertussis is especially important for those who are around babies.

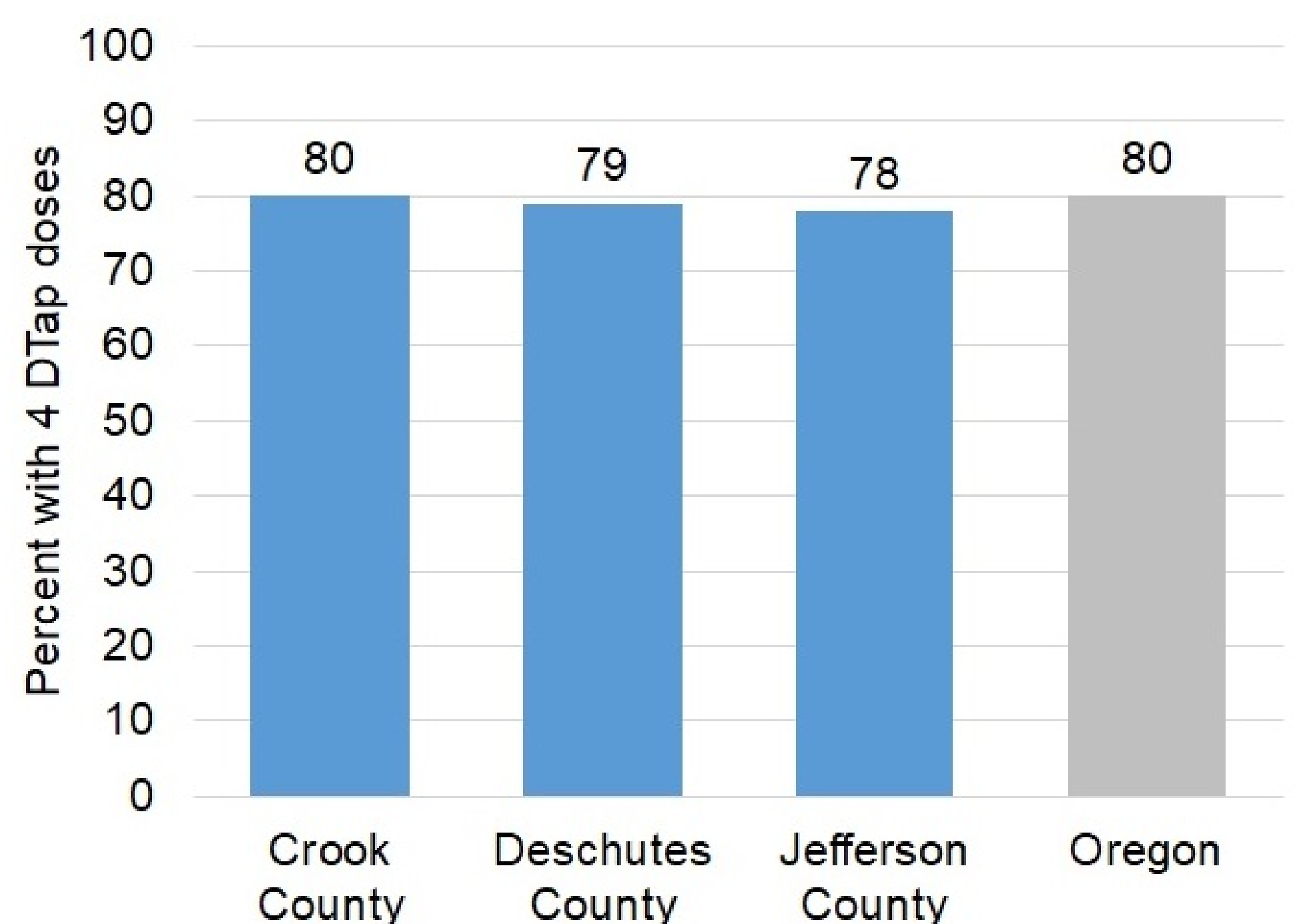


DTaP for young children	Tdap for preteens	Tdap for pregnant women	Tdap for adults
<ul style="list-style-type: none"> <li>✓ 2, 4, and 6 months</li> <li>✓ 15 through 18 months</li> <li>✓ 4 through 6 years</li> </ul>	<ul style="list-style-type: none"> <li>✓ 11 through 12 years</li> </ul>	<ul style="list-style-type: none"> <li>✓ During the 27-36th week of each pregnancy</li> </ul>	<ul style="list-style-type: none"> <li>✓ Anytime for those who have never received it</li> </ul>

[www.cdc.gov/whoopingcough](http://www.cdc.gov/whoopingcough)

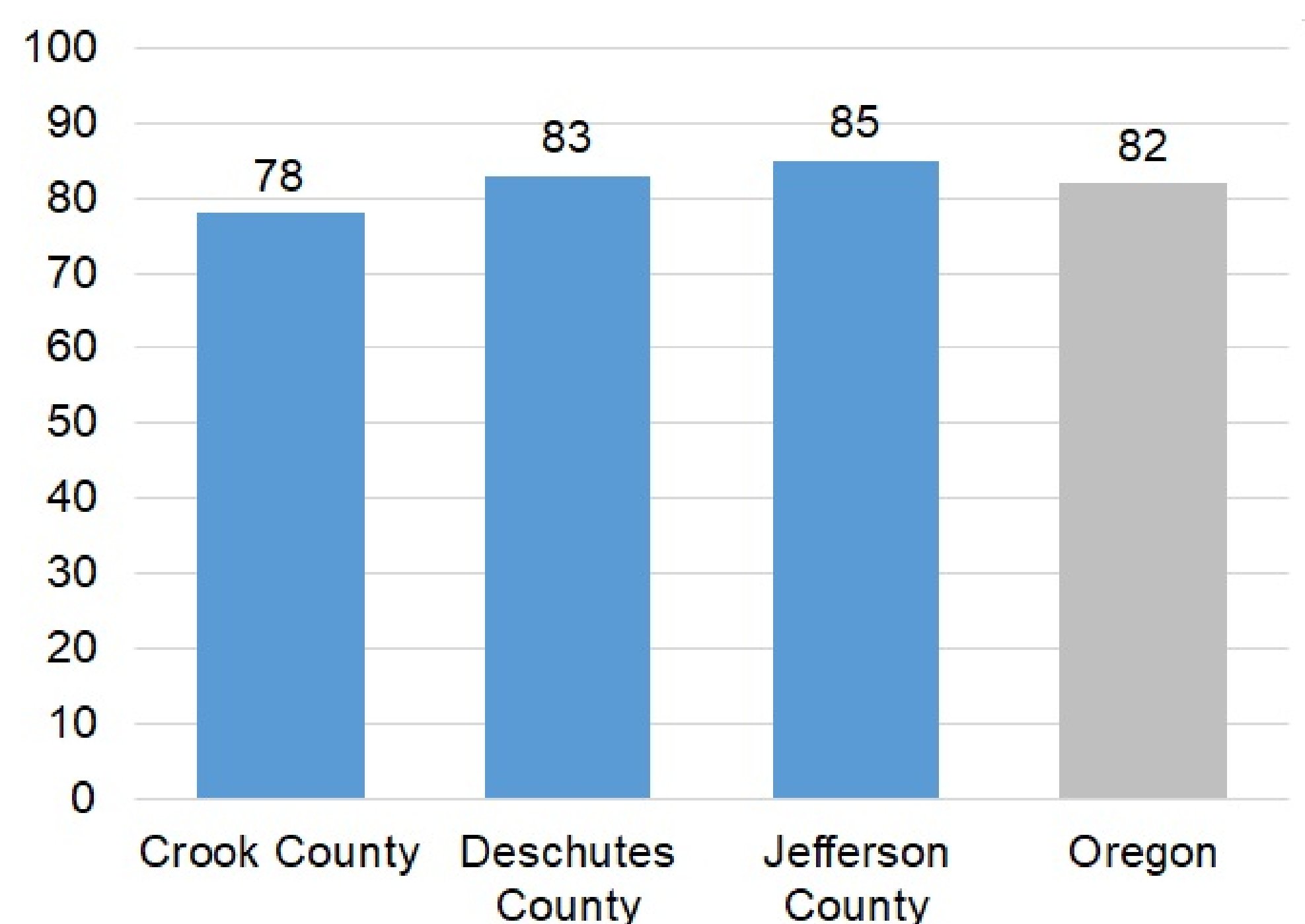


Percent of all 2-year-old children with the four recommended doses of DTaP, 2018



Of the three Central Oregon counties, Crook County has the highest proportion (80%) of 2-year-olds who have all four recommended doses of DTaP, and Jefferson County has the lowest (78%).

Percent of all 13-year-old children with a Tdap vaccine, 2018



Of the three Central Oregon counties, Jefferson County has the highest proportion (85%) of 13-year-olds who have had a Tdap vaccine, and Crook County has the lowest (78%).

Data for pertussis vaccination among 2-year-olds and 13-year-olds is shown to the right. Data comes from the Oregon Immunization Program at the Oregon Health Authority.

Data from Oregon Health Authority also indicates that around 30% of pregnant women in Central Oregon are not receiving a Tdap vaccine during pregnancy. Among all Oregon women who gave birth in 2017, around 68% had a Tdap during her pregnancy. Locally, around 63% of Jefferson County pregnant women, 69% of Deschutes County pregnant women, and 72% of Crook County pregnant women had a Tdap during pregnancy.