

Access to Clinical Preventive Services

Childhood immunizations

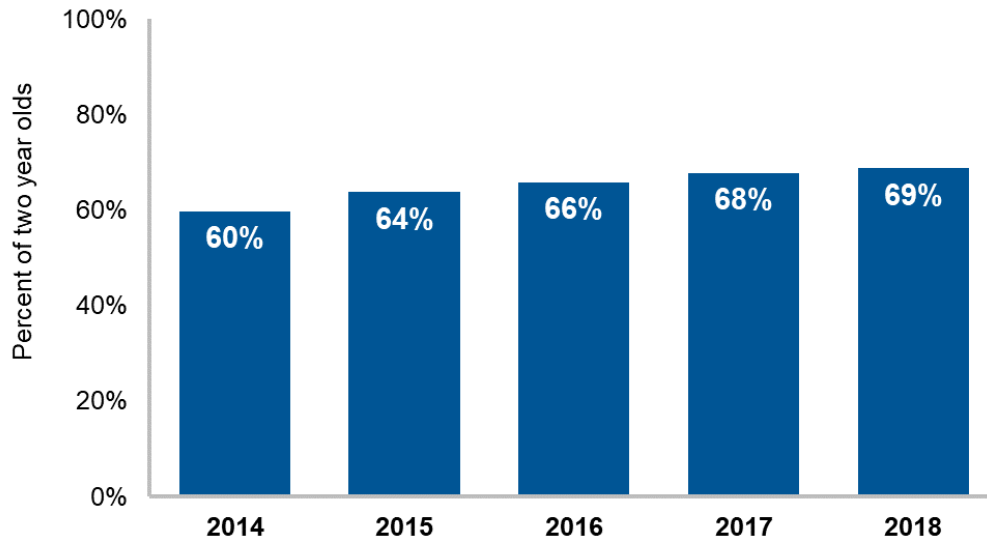
Childhood immunizations have dramatically reduced vaccine-preventable disease in the United States, though vaccine hesitancy and inequitable access to health care keep immunization coverage below optimal levels and allow outbreaks to occur. Measuring vaccination rates helps us to understand risks and disparities so that we can reduce future outbreaks and improve the lifelong health of Oregonians.

Vaccination coverage among children is typically measured using the 4:3:1:3:3:1:4 series, which is comprised of 4 doses of DTaP (diphtheria and tetanus toxoids and acellular pertussis) vaccine, 3 doses of polio, 1 dose of MMR (measles-mumps-rubella), 3 doses of Hib (Haemophilus influenzae type b), 3 doses of hepatitis B, 1 dose of varicella (chicken pox), and 4 doses of PCV (pneumococcal conjugate vaccine). Though there are additional childhood vaccines such as rotavirus and hepatitis A, this series is considered the national standard by the Advisory Committee on Immunization Practices to the U.S. Department of Health and Human Services. The Oregon Immunization Program produces yearly rates for annual birth cohorts made up of all Oregon resident children born in the same calendar year, who would have turned two years old at some point in the reporting year.

From 2014 to 2018, vaccination rates for two-year-olds in Oregon rose from 60% to 69% (Figure 1).

FIGURE 1

Two year olds up-to-date on immunizations by year, Oregon

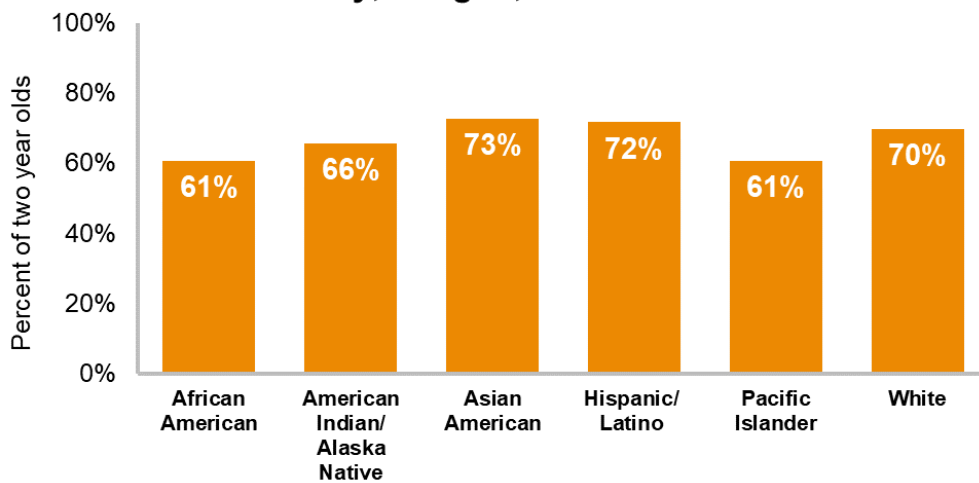


Source: ALERT Immunization Information System

Using demographic information obtained from birth certificates and medical providers, we are able to assess immunization rates by race and ethnicity (Figure 2). We typically see the highest vaccination coverage among Asians and Hispanics, followed by Caucasians. Hawaiian/Pacific Islanders, African Americans and American Indian/Alaska Natives tend to have the lowest rates.

FIGURE 2

Two year olds up-to-date on immunizations by race/ethnicity, Oregon, 2018



Note: Race and ethnicity categories are not mutually exclusive, one individual may contribute to one or more categories. Hispanic ethnicity is excluded from all other groups.

Source: ALERT Immunization Information System

Additional Resources: [Oregon Immunization Program Data and Reports](#)

About the Data: Data source is the ALERT Immunization Information System. Data include the percent of Oregon children age 24 to 35 months who are fully immunized with 4 doses of DTaP, 3 doses IPV, 1 dose MMR, 3 doses Hib, 3 doses HepB, 1 dose Varicella, and 4 doses PCV. This is the official childhood vaccination series.

For More Information Contact: imm.info@state.or.us

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[Oregon State Health Profile](#)

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