



# Vaccines Save Lives

Alanna Braun, MD, FAAP  
Oregon Legislature  
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# Vaccines Save Lives

Modeling has shown that vaccines have **saved 154 million lives** in the last 50 years

Vaccines are safe

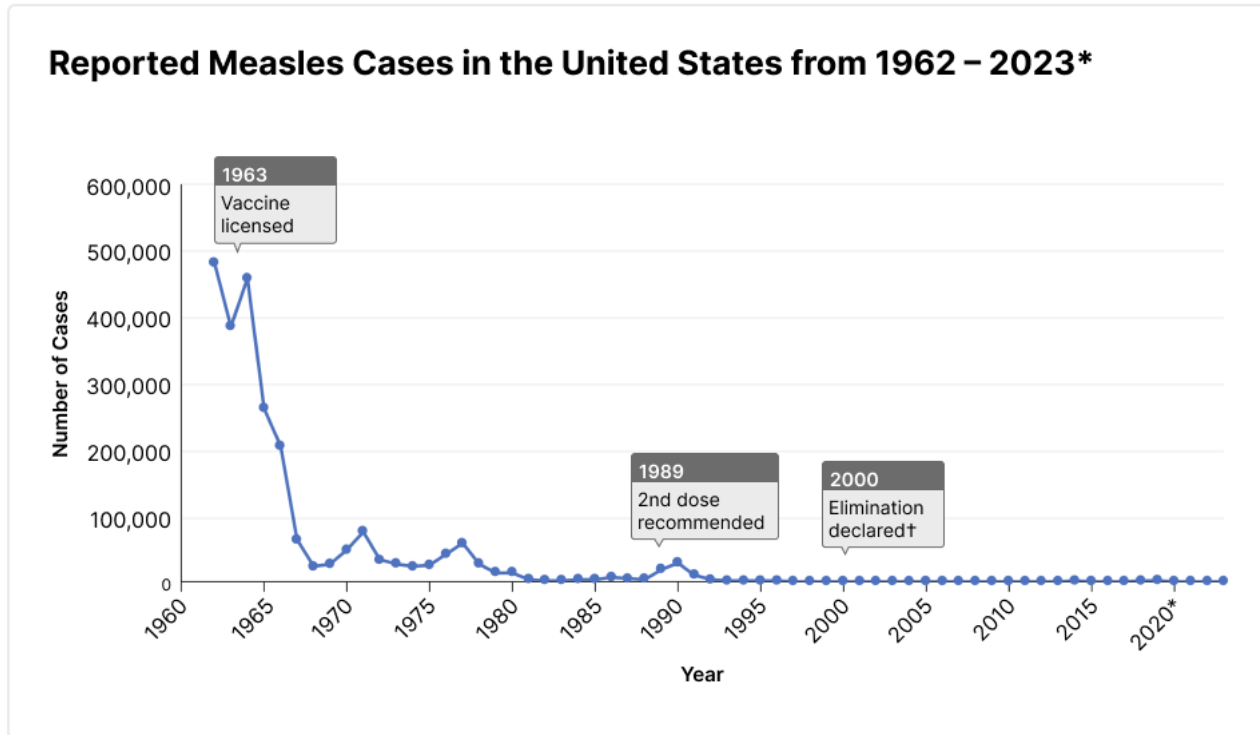
- Adverse reactions are extremely rare
- NO link with infertility, diabetes, developmental delays or autism



Shattock AJ, et al. Contribution of vaccination to improved survival and health: modelling 50 years of the Expanded Programme on Immunization. The Lancet, Volume 403, Issue 10441, 25-31 May 2024, Pages 2307-2316. [https://doi.org/10.1016/S0140-6736\(24\)00850-X](https://doi.org/10.1016/S0140-6736(24)00850-X)

<https://www.healthychildren.org/English/safety-prevention/immunizations/Pages/vaccine-studies-examine-the-evidence.aspx>

# The Measles Vaccine is Extremely Effective



[https://www.cdc.gov/measles/data-research/index.html#cdc\\_data\\_surveillance\\_section\\_6-history-of-measles-cases](https://www.cdc.gov/measles/data-research/index.html#cdc_data_surveillance_section_6-history-of-measles-cases)

# What is Herd (or Community) Immunity?

When enough people in a community are vaccinated against an illness, it stops the spread of disease in that community.

- Level varies depending on how contagious something is.
- Need **95% coverage** for Measles

This protects:

- Infants and children too young to be vaccinated.
- Immunosuppressed people – people with cancers, people on medications that decrease their body's ability to fight infections.

When **90-95%** of a **COMMUNITY IS VACCINATED** for a disease, **IT IS UNLIKELY TO SPREAD.**

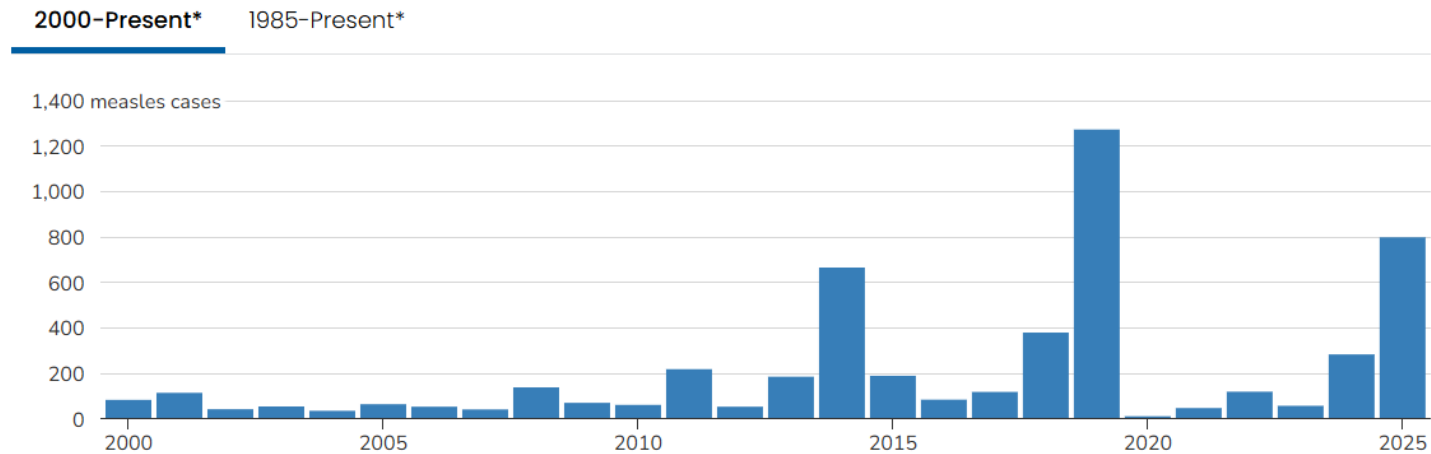
This protects people who can't be vaccinated because of age or for medical reasons.



# We are Losing our Herd Immunity to Measles Across the United States

## Yearly measles cases

as of April 17, 2025

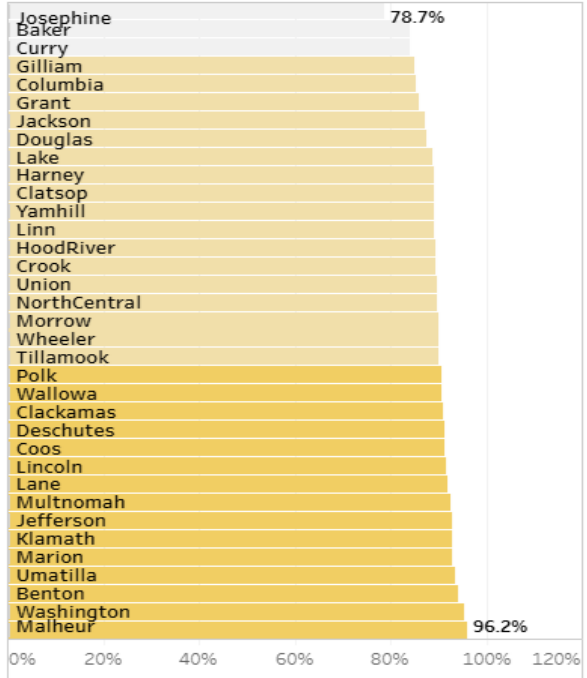
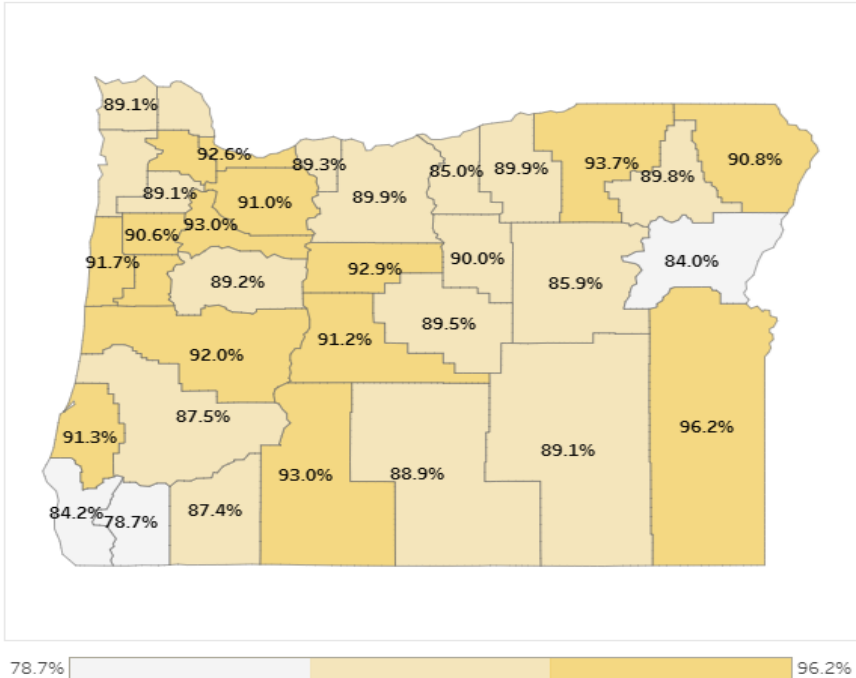


<https://www.cdc.gov/measles/data-research/index.html>

# MMR Rates for Oregon Kindergarteners (95% needed for herd immunity)

The map shows the percent of kindergarteners with complete school-required vaccines by county. Click on the vaccine to update the map and chart. The **darker** the color, the **higher** the vaccination rate.

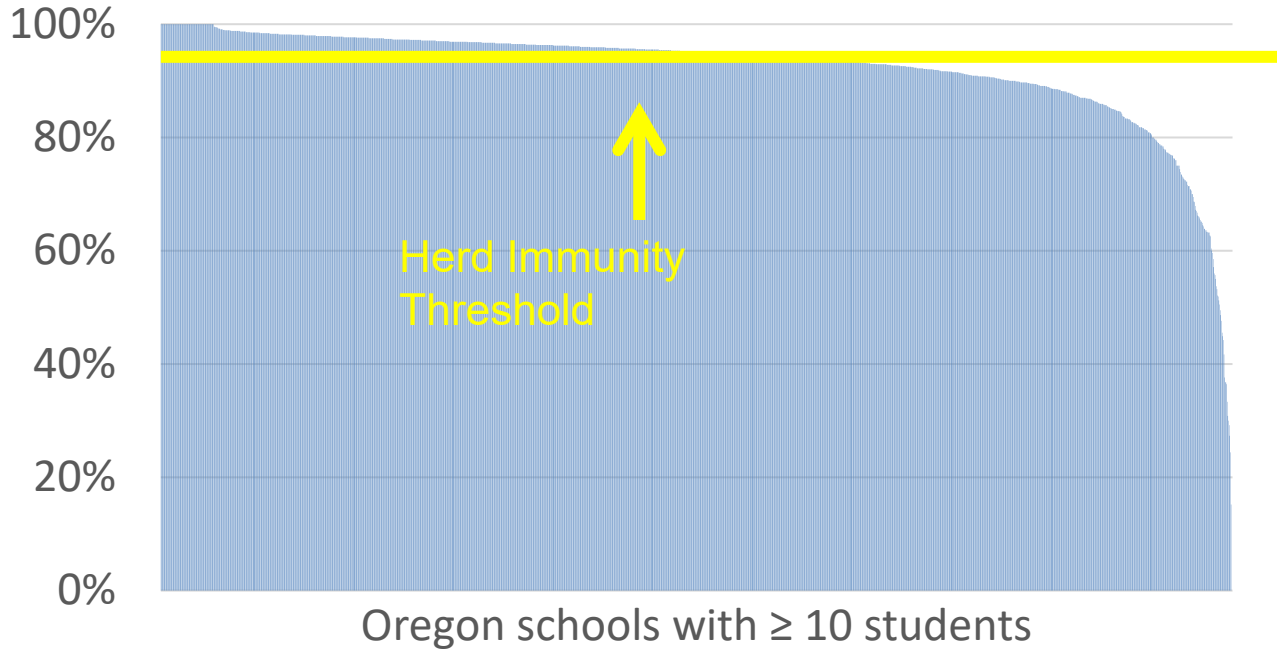
- Complete
- DTaP
- MMR 1
- MMR 2**
- Varicella
- Polio
- Hep B
- Hep A



<https://public.tableau.com/app/profile/oregon.immunization.program/viz/SchoolLawTableau/Kimmunizations>

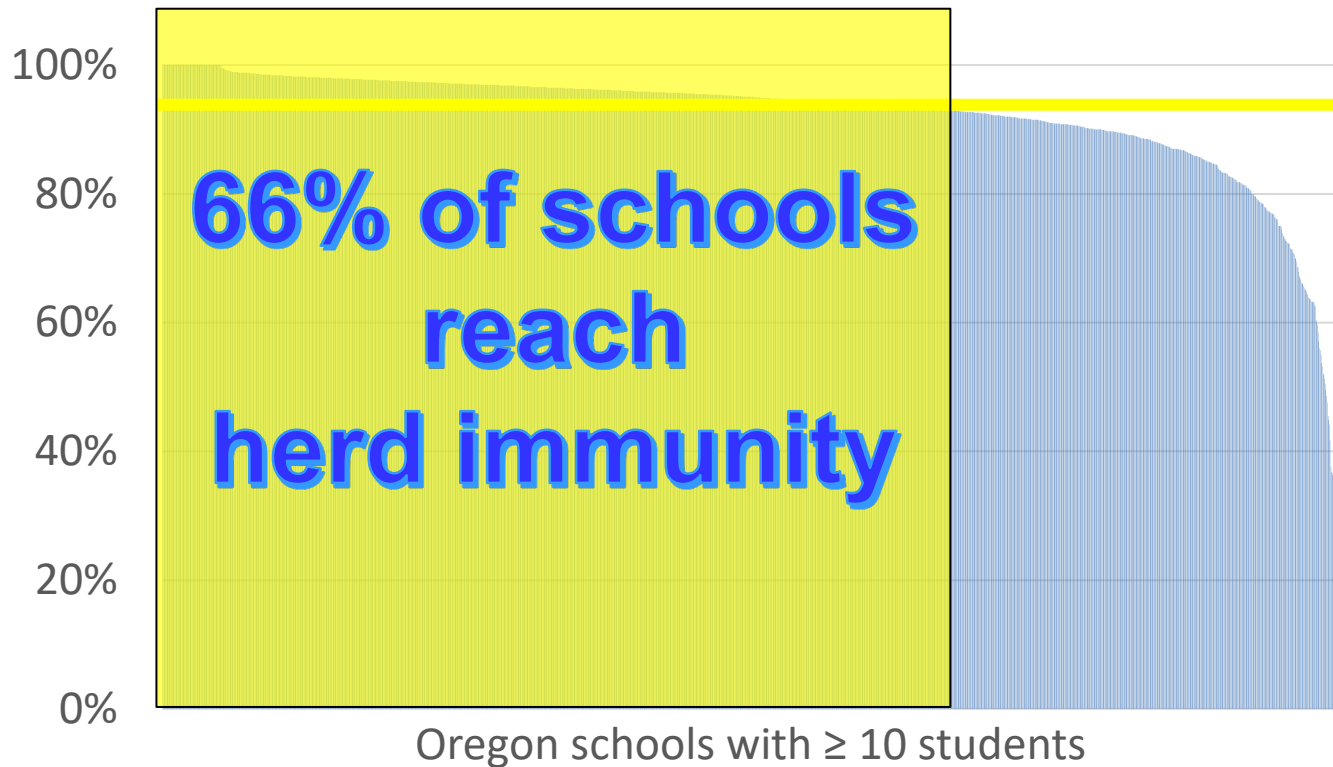
# Oregon Immunization Program Data

Percent Complete for 2 Doses of Measles Vaccine, 2025, Grades K-12



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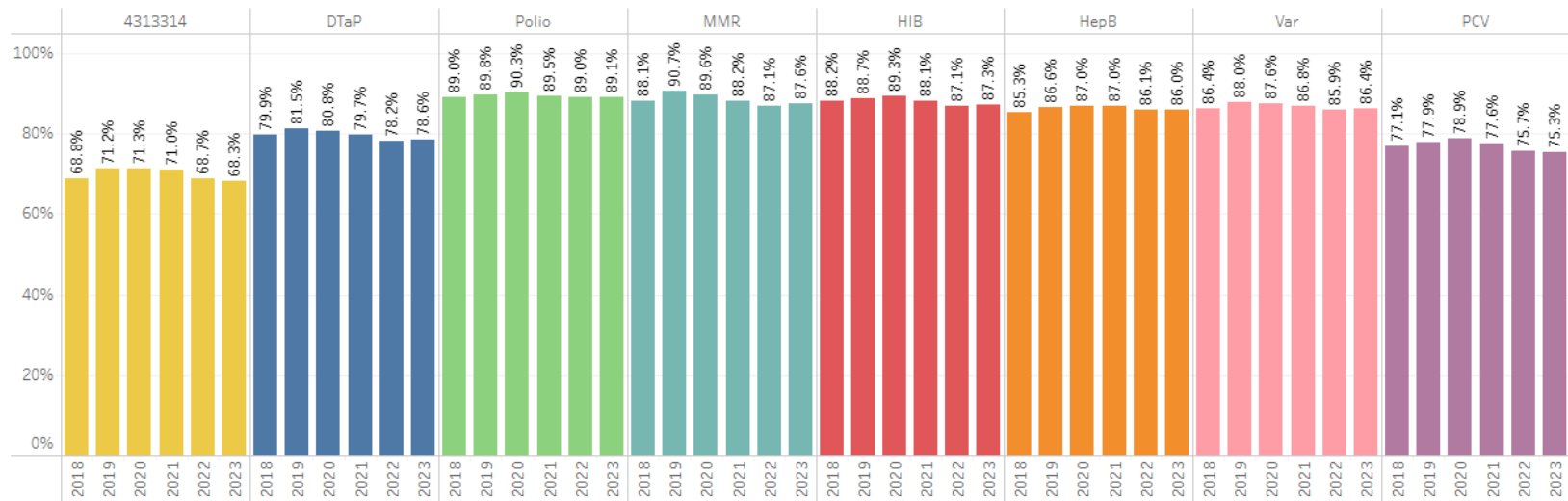


# 2-Year-Old Vaccination Rates in OR

2018	2019	2020	2021	2022	2023
68.8%	71.2%	71.3%	71.0%	68.7%	68.3%

## Childhood series: Trends over time

Among the vaccines included in the recommended early childhood series, PCV has the lowest up-to-date rate among 2yo children, driving down the series completion rate. This may be a result of the 4 doses required to complete the series, similar to DTaP, but it is not required for school entry. As different children may be behind on different vaccines, the series up-to-date rate is lower than the individual vaccine rates.



## Immunization Program - Public Health Division

<https://public.tableau.com/app/profile/oregon.immunization.program/viz/OregonEarlyChildhoodImmunizationRates/StatewideDashboard>

# Do Vaccines Cause Autism?

**No.**

Multiple evidence-based studies have shown that there is **no link** between autism and vaccines.

- Including specific studies looking at thimerosal as well as the MMR vaccine.

<https://www.chop.edu/centers-programs/vaccine-education-center/vaccines-and-other-conditions/vaccines-autism>

# Take Home Points

Vaccines are  
**SAFE**

Vaccines are  
extremely  
effective

Most people  
want vaccine  
access and to  
get vaccines