

REFUSING VACCINES CAN LEAD TO OUTBREAKS

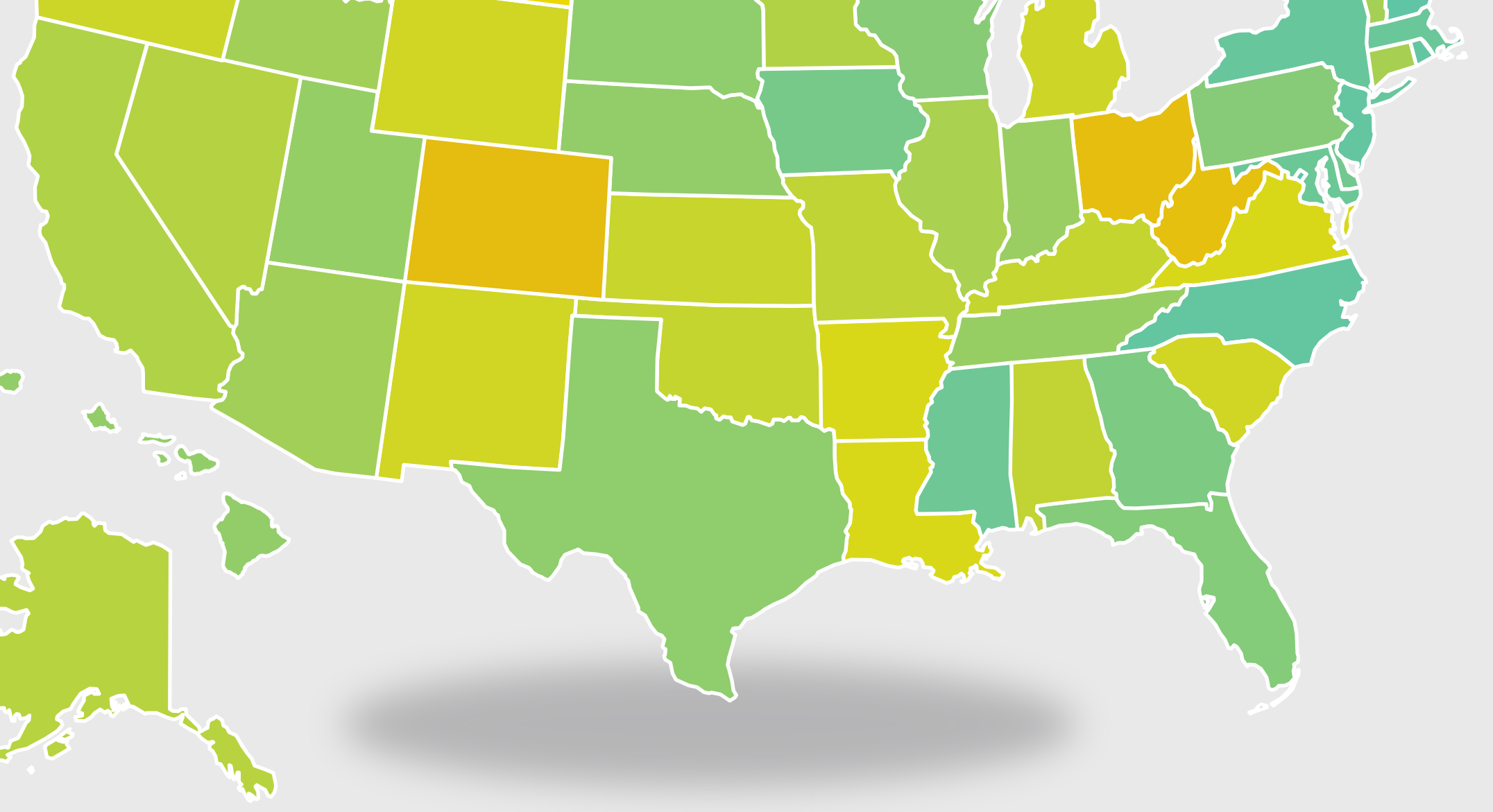
OVERALL VACCINATION RATES ARE HIGH

MMR VACCINATION RATES

19-35 month olds, 2013

75% 80% 85% 90% 95% 100%

National Average



BUT THERE ARE POCKETS OF LOW VACCINATION

PRESCHOOL STUDENT'S VACCINATION RATES

2013-2014 School Year

County Averages of Preschool Students Who are MMR Vaccinated

Herd Immunity Thresholds:

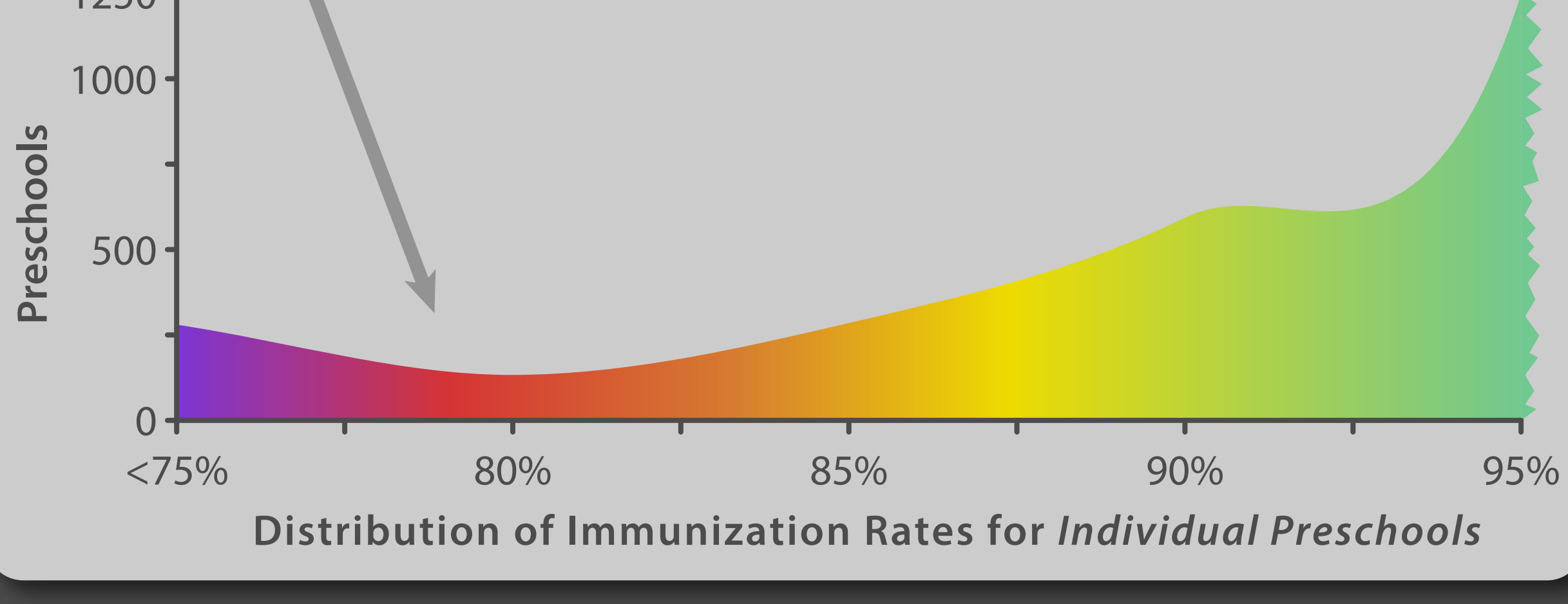
Mumps

Rubella

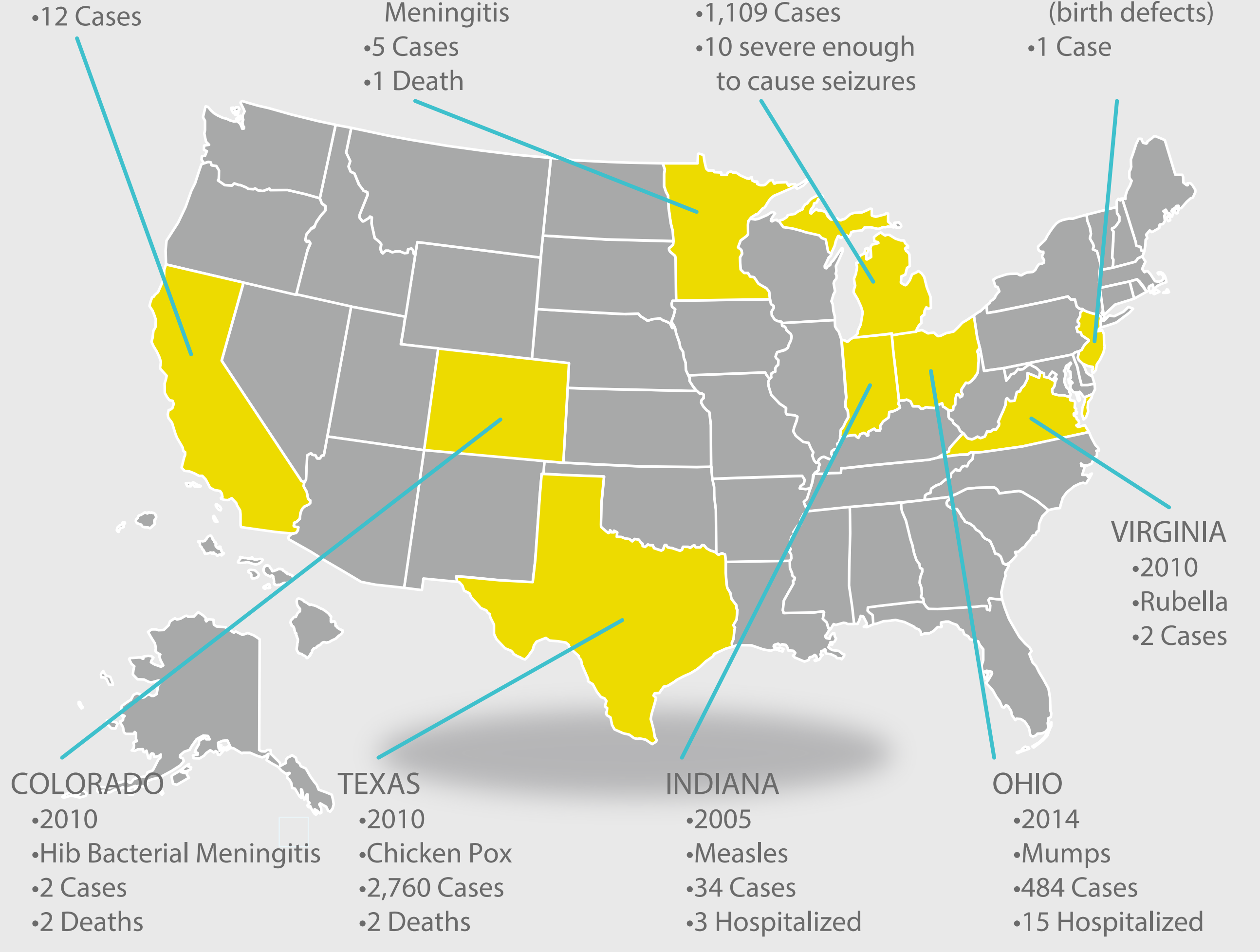
Measles

75% 80% 85% 90% 95% 100%

Pockets of low vaccination can spark outbreaks that affect everyone.



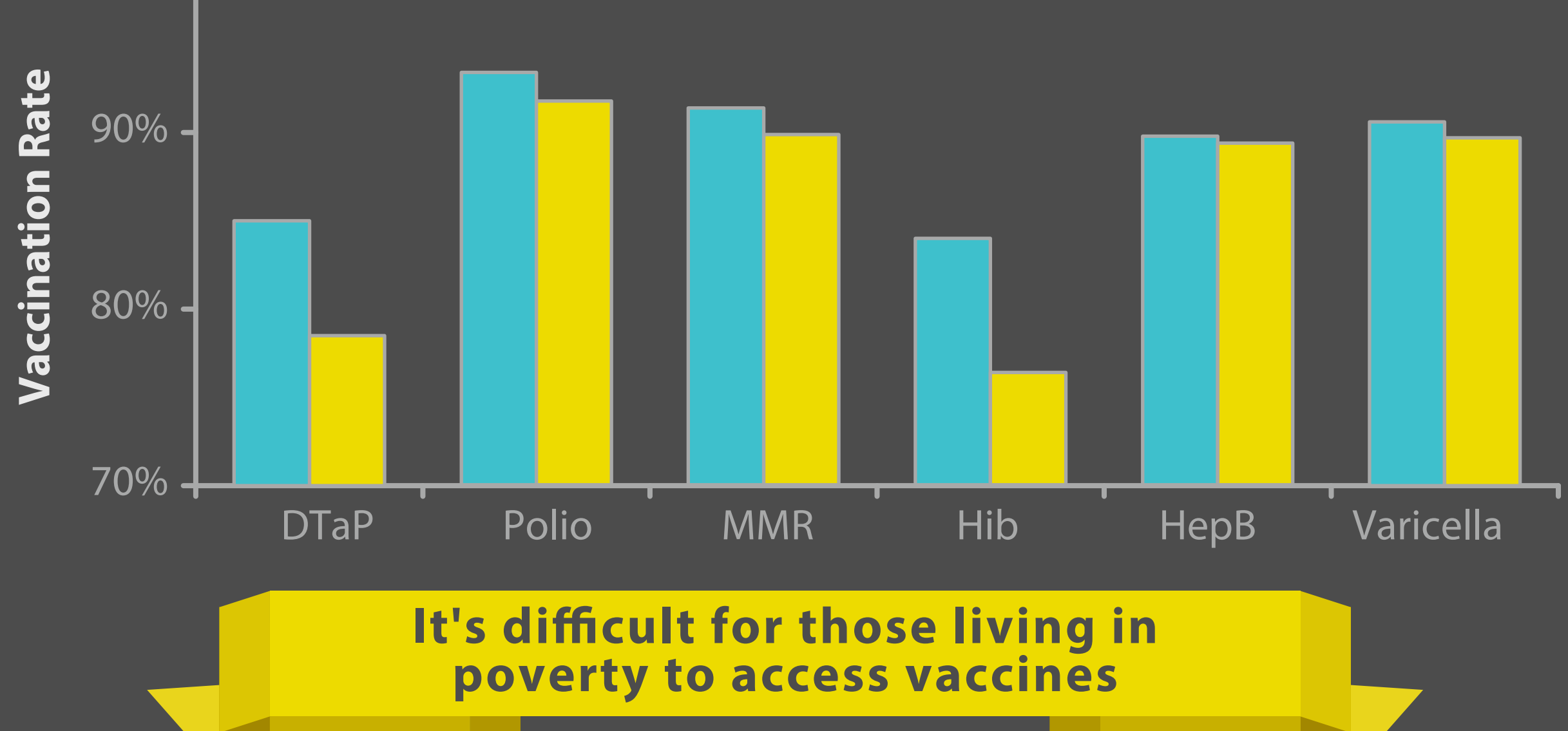
OUTBREAKS CAUSED BY LOW VACCINATION



WHY ARE VACCINATION RATES LOW IN CERTAIN COMMUNITIES?

1. ACCESS

Vaccination Rates by Income Level

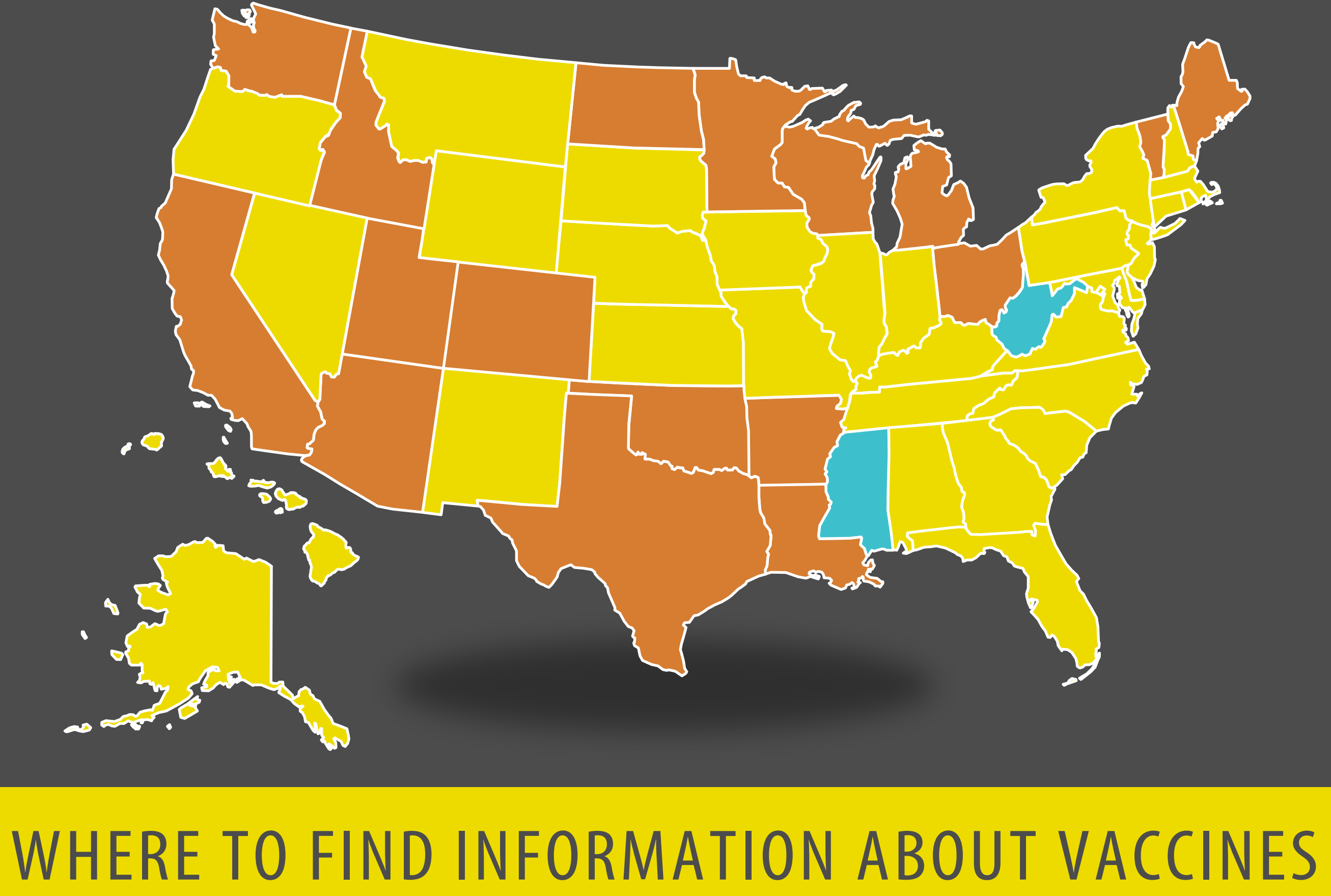


It's difficult for those living in poverty to access vaccines

2. EXEMPTIONS

Types of school vaccine exemptions allowed in each state

Medical Exemptions Only
Medical & Religious Exemptions
Medical, Religious, & Philosophical Exemptions



WHERE TO FIND INFORMATION ABOUT VACCINES

- Watch the NOVA television special for free online: www.PBS.org/WGBH/NOVA/body/Vaccines-Calling-Shots.html
- Your federal gateway to information on vaccines: www.Vaccines.gov
- The Children's Hospital of Philadelphia's Vaccine Education Center: VEC.CHOP.edu
- Your state's health departments and schools will have specific information on vaccine requirements

There are programs to make vaccines available at no cost to those who don't have the money.

- US Center for Disease Control page with many sources of vaccines: <http://www.cdc.gov/vaccines/adults/find-pay-vaccines.html>
- Vaccines for Children is a federally funded program that provides vaccines to children who might not otherwise be vaccinated due to inability to pay: <http://www.cdc.gov/vaccines/programs/vfc/index.html>
- The Affordable Care Act helps make disease prevention affordable and accessible for all Americans: <http://www.hhs.gov/healthcare/facts/fact-sheets/2010/09/The-Affordable-Care-Act-and-Immunization.html>

Getting Vaccinated Helps Your Community

Getting vaccinated protects you from disease, but it's also doing your part to keep your community safe from outbreaks

SOURCES

• YOU CAN GET HELP PAYING FOR VACCINES: <http://www.cdc.gov/vaccines/adults/find-pay-vaccines.html#pay-vaccines>
 • MMR Vaccination Rates by State: <http://www.cdc.gov/mmwr/preview/mmwrhtml/mm6334a1.htm>
 • Herd Immunity Estimates for Different Diseases: <http://www.scientificamerican.com/article/too-many-children-go-unvaccinated/>
 • California Preschool Vaccination Data: <http://www.cdph.ca.gov/programs/immunize/Pages/ImmunizationLevels.aspx>
 • California 2008 Measles: <http://www.cdc.gov/mmwr/preview/mmwrhtml/mm5708a3.htm>
 • Minnesota 2008 Hib: <http://www.cdc.gov/mmwr/preview/mmwrhtml/mm58e0123a1.htm>
 • Michigan 1993-2004 Pertussis: <http://ajph.aphspublishers.org/content/168/12/1389.full.pdf>
 • New Jersey 2009 CRS: <http://www.cdc.gov/measles/downloads/report-elimination-measles-rubella-crs.pdf>
 • Virginia 2010 Rubella: <http://www.vdh.virginia.gov/Epidemiology/Surveillance/AnnualReports/Reports/Diseases%2010/Rubella2010.pdf>
 • Colorado 2010 Hib: <http://www.cdc.gov/mmwr/preview/mmwrhtml/mm5953a1.htm> and <http://www.denverpost.com/news/c1.14948857>
 • Texas 2010 Varicella: <http://www.cdc.gov/mmwr/preview/mmwrhtml/mm5953a1.htm>
 • Indiana 2005 Measles: <http://www.nejm.org/doi/full/10.1056/NEJMoa060775>
 • Ohio 2014 Mumps: <http://columbus.gov/Templates/Detail.aspx?id=69188>
 • State-by-State School Vaccine Exemptions: <http://www.nvcc.org/Vaccine-Laws/state-vaccine-requirements.aspx>
 • Poverty and Vaccines: http://www.cdc.gov/mmwr/preview/mmwrhtml/mm6236a1.htm?s_cid=mm6236a1_wrtab2

This infographic is a companion to the NOVA special:

VACCINES - CALLING THE SHOTS

which can be viewed at: www.pbs.org/wgbh/nova/body/vaccines-calling-shots.html