

# STATES WITHOUT EXEMPTIONS TO VACCINATION LAWS HAVE BETTER HEALTH OUTCOMES

**THE DATA SPEAKS FOR ITSELF**

“Childhood vaccinations are one of the most significant public health interventions of all time. They reduce the risk of contracting dangerous vaccine-preventable childhood diseases on the individual level and, when immunization coverage is high enough, confer herd immunity at the population level for those diseases that are contagious.” [1]

## THE IMPACT OF LESS EFFECTIVE VACCINE REQUIREMENTS

Research reveals the general trend that states with less effective vaccination requirements have higher average preventable disease rates per 100,000 people, compared to more effective states. [2]



## LOOKING AT MEASLES

Across 18 published studies on measles, 70.6% of measles cases had non-medical exemptions for religious or philosophical reasons. [3]



### References:

1. Wang, E., Clymer, J., Davis-Hayes, C., & Bottenheim, A. (2014). Nonmedical exemptions from school immunization requirements: a systematic review. *American journal of public health*, 104(11), e62–e84.
2. Bradford, W. D., & Mandich, A. (2015). Some state vaccination laws contribute to greater exemption rates and disease outbreaks in the united states. *Health Affairs*, 34(8), 1383-1390C.
3. Phadke, V. K., Bednarczyk, R. A., Salmon, D. A., & Omer, S. B. (2016). Association Between Vaccine Refusal and Vaccine-Preventable Diseases in the United States: A Review of Measles and Pertussis. *JAMA*, 315(11), 1149–1158.