

OHS 2018 Data for Oregon K-12 vaccine rates per vaccine and Herd Immunity Threshold

Disease	Transmission	R ₀	Herd Immunity Threshold	Percent Vaccinated in Oregon in 2018	Exceeds Threshold by at least %
Diphtheria	Saliva	6-7	85%	95.3%	10.3%
Measles	Airborne	12-18	83-94% /95%	95.9-96.7%	0.9-1.7%
Mumps	Saliva	4-7	75-86%	96.7%	10.7%
Pertussis	Airborne	12-17	92-94%	95.3%	1.3%
Polio	Fecal-oral	5-7	80-86%	95.9%	9.9%
Rubella	Airborne	6-7	83-85%	96.7%	11.7%
*Chicken Pox	Airborne/lesions		86-91%	96.5%	5.5%

Modified from Epid Rev 1993;15: 265-302, Am J Prev Med 2001; 20 (4S): 88-153, MMWR 2000; 49 (SS-9); 27-38

*Hum Vaccin Immunother. 2012 Feb;8(2):184-8. doi: 10.4161/hv.18444. Evaluation of the establishment of herd immunity in the population by means of serological surveys and vaccination coverage. Plans-Rubió P1.

