

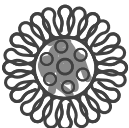
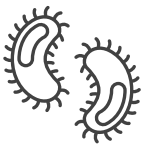





PEPID Protected Together: Vaccines Work!

Vaccine Spotlight: MMR, DTaP, Polio

	#VaccinesWork Cases:		DTaP	#VaccinesWork Cases:	
	Pre -vaccine U.S. (1971)	Post -vaccine U.S. (2016)		Pre -vaccine U.S. (1950)	Post -vaccine U.S. (2016)
MMR When: 12-15 m, 4-6 y. If travelling abroad: 6-11 m followed by 2 doses on or after their first birthday separated by 28 days.			When: 2 m, 4 m, 6 m, 15-18 m, 4-6 y		
Measles  Transmission Airborne (virus can live 2 hours after a person leaves a room). Symptoms Rash, cough, red eyes, fever Complications Inflammation of the brain, pneumonia	75,290*	86*	Diphtheria  Transmission Respiratory droplets Symptoms weakness, fever, swollen glands in neck, thick, gray coating in throat/nose Complications blocking of the airway, myocarditis, death, polyneuropathy, paralysis, pneumonia, respiratory failure	5,796	0
Mumps  Transmission Respiratory droplets Symptoms puffy cheeks, tender & swollen jaw, fever, headache, muscle aches, tiredness Complications inflammation of testicles, ovaries, pancreas, brain, tissue covering brain & spinal cord, deafness	45,086	1	Pertussis (Whooping Cough)  Transmission Airborne, physical contact Symptoms Prolonged coughing spells, difficulty eating, drinking, & breathing, apnea Complications Pneumonia, brain damage, mental retardation, Death	120,718	17,972
Rubella (German Measles)  Transmission Respiratory droplets Symptoms Bluish skin, bloody nose, cough, chills, difficulty breathing, fever, lesions. Complications Infected pregnant women may miscarry, or their baby may have immediate death after birth, or be born with congenital rubella syndrome (CRS)	124,939	6,369**	Tetanus  Transmission Open Wounds Symptoms Muscle Stiffness and spasms Complications Airway obstruction, respiratory arrest, heart failure, pneumonia, fractures, brain damage	486	34
Poliomyelitis (Polio) When: minimum age: 6 w 2 m, 4 m, 6-18 m, 4-6 y	Pre -vaccine U.S. (1954)	Post -vaccine U.S. (2016)	Other Noteworthy Vaccine Preventable Diseases	Pre -vaccine U.S. (Year Licensed)	Post -vaccine U.S. (2016)
Polio  Transmission Food or Contact with Stool Symptoms Fever, fatigue, headache, vomiting Complications Irreversible paralysis, death	18,308	0	Varicella (Chickenpox) licensed in 1995	120,624	8,953
			Hepatitis A licensed in 1995		
			Hepatitis B licensed in 1982		
				92% Reduction	
				93% Reduction	
				61% Reduction	

*Significant measles outbreaks have occurred this year (2019) linked to unvaccinated individuals

**Several outbreaks have occurred in 2006, 2009-10, 2016-2018. Vaccinated people can still get mumps.

Source: CDC