



# VACCINE PREVENTABLE DISEASES

## Hib



Hib disease is a serious illness caused by the bacteria *Haemophilus influenzae* type b. Babies and kids <5yo are most at risk. Even with treatment, as many as 1 out of 20 children with Hib meningitis dies. About 1 out of 5 children who survive will have brain damage or become deaf.

## Rotavirus



Rotavirus causes diarrhea, vomiting, and fever which can lead to dehydration. This can be very dangerous, especially for babies and young children.

## Polio



Polio, or poliomyelitis, is a disabling and life-threatening disease caused by poliovirus. It can infect a person's spinal cord, causing paralysis. About 1 out of 200 people will have weakness or paralysis in their arms, legs, or both. This paralysis or weakness can last a lifetime.

## Pneumococcal



Pneumococcal disease can cause infections of the ears, lungs, blood, and brain. It is often mild, but can cause serious symptoms, lifelong disability, or death. Children younger than 2 years old are among those most at risk for the disease.

## Mumps



Before there was a vaccine, mumps was one of the most common causes of deafness and meningitis. In most cases it is mild but it can cause serious problems such as meningitis, deafness, encephalitis, swelling of the testicles, and swelling of the ovaries.

## Measles



Measles is very contagious and can be life threatening. Measles can lead to pneumonia, deafness, brain damage, and death.

## Rubella



Rubella is usually mild in children, but it can rarely cause serious problems such as brain infections and bleeding problems. It is especially dangerous to the baby if a pregnant woman becomes infected with rubella.

## Diphtheria



In kids <5 yo, about 1 out of 5 kids who get diphtheria dies. It causes a thick coating on the throat that blocks the airway. The toxin can also affect the heart and nerves, leading to heart failure and paralysis.

## Whooping Cough



Pertussis, aka whooping cough, is known for uncontrollable, violent coughing which often makes it hard to breathe. The coughing fits can last up to 10 weeks. It can be life-threatening, especially in babies.

## Tetanus



Tetanus, also known as "lock-jaw" is very dangerous. It can cause breathing problems, muscle spasms, and paralysis. Muscle spasms can be strong enough to break a child's spine or other bones. About 1 in 5 who get tetanus dies.

## Chickenpox



Complications from chickenpox can be serious, such as skin infection, dehydration, pneumonia, and encephalitis. About 9 out of 10 children who get 2 doses of the vaccine will be completely protected from chickenpox.

## Meningococcal



Meningococcal meningitis and bloodstream infections can be very serious, even deadly. The infections progress quickly—someone can go from being healthy to very ill in <48 hours. There is a risk of brain damage, deafness, loss of limbs, and death.