

# The Vaccinator

A Newsletter of the Communicable Disease Reporting System (CDRS)

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## Vaccines In Review



Smallpox



Measles

None of these diseases have completely disappeared. Without vaccination, they will come back. This has happened in other parts of the world.

Infants and young children are commonly at risk of contacting a number of diseases that can be prevented. Therefore, routine childhood vaccines are essential.

Six vaccines are recommended for infants between birth and 6 months of age. Children will also get at least one "booster" dose of most of these vaccines when they go to kindergarten.

- DTaP (Diphtheria, Tetanus and Pertussis) Vaccine: 5 doses – 2 months, 4 months, 6 months, 15-18 months. 4-6 years.
- Hepatitis B Vaccine: 3 doses – Birth, 1-2 months, 6-18 months.
  - The third dose will not count if given prior to 6 months of age.
- Polio Vaccine: 4 doses -- 2 months, 4 months, 6-18 months, 4-6 years.
- Hib (Haemophilus influenza type b) Vaccine: 4 doses – 2 months, 4 months, 6 months, 12-15 months. Several Hib vaccines are available. With one brand of vaccine, the 6-month dose is not needed.
- Pneumococcal Vaccine: 4 doses -- 2 months, 4 months, 6 months, 12-15 months. Older children with certain diseases may also need this vaccine.
- Rotavirus Vaccine: 3 doses – 2 months, 4 months, 6 months Rotavirus vaccine is orally given (swallowed). It is not a shot.

**Two vaccines are not given until an infant reaches 1 year of age:**

- MMR (Measles, Mumps & Rubella): 2 doses – 12-15 months, 4-6 years.
- Varicella (Chickenpox): 2 doses – 12-15 months, 4-6 years.
  - May be given earlier, if at least 3 months after the 1st dose.)

AGE	VACCINE						
	HEPB	Dtap	Hib	Polio/ IPV	PNU cn	MMR	VAR
Birth - 2 Months	X						—
1 - 4 Months	X						
2 Months		X	X	X	X		
4 Months		X	X	X	X		
6 Months		X	X		X		
6-18 Months	X			X			—
12-15 Months			X		X	X	
12-18 Months		X					X
4-6 Years		X		X		X	X

## How Vaccines Work

### Immunity from Disease

When a child gets sick with a bacteria or virus, their immune system produces immunity, which keeps them from getting the same disease again. Getting sick can be unpleasant, and can be dangerous, too.

### Immunity from Vaccines

Vaccines are made with the same bacteria or viruses that cause a disease, but they have been weakened or killed to make them safe. A child's immune system responds to a vaccine the same way it would if the child had the disease. This means they will develop immunity without having to get sick first.

## Childcare Staff



Anyone who works with children, especially in child-care centers, is at high risk of coming into contact with a number of bacteria and viruses.

A vaccination is a simple and effective way to prevent serious diseases or illnesses in workers who may be exposed to bacteria and viruses.

Every state may differ in their **required** vaccines for licensed child care staff. In Ohio, the requirements include:

- MMR (Measles, Mumps and Rubella) \* Exceptions include persons born on or before December 31, 1956, or persons with a history of measles or mumps.
- TD (Tetanus and Diphtheria). At the time the next booster for tetanus and diphtheria is due, the employee must be immunized against pertussis (Tdap).

### Other recommended vaccinations for adults include:

- Varicella (Chickenpox)
- Influenza (Flu)
  - Especially if you care for children 0-5 years of age
- Hepatitis B
- Hepatitis A
- Menactra (meningococcal )

### Keep vaccinations records ready when you need them:

- 1) **Keep them current.** Have a process for reviewing and updating the records of the children in your center.
- 2) **Keep them safe.** Keep all your records in one place and locked.

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If you were contacted by Columbus Public Health, about an outbreak in your center, would your vaccination records all be current?

For current information about reportable infectious diseases, check out the following websites:

- Columbus Public Health: [www.publichealth.columbus.gov](http://www.publichealth.columbus.gov)
- Columbus and Franklin County Communicable Disease Reporting System (CDRS): [www.cdrsinfo.com](http://www.cdrsinfo.com)

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