



## Information on Routine Vaccines of Infants and Young Children

Vaccine name	Age for vaccination	Contraindication	Information and education
Hepatitis B vaccine	Within 24 hours after birth (1st dose) and 1 month old (2nd dose)	1. Body weight under 2000 gm 2. Severe and unstable health condition	There may be local redness, swollen lumps or slight fever occasionally after vaccination.
Five-in-one vaccine (Diphtheria toxoid, Tetanus toxoid, Acellular pertussis, Inactivated polio and <i>Haemophilus influenzae</i> type b conjugate vaccine)	2 months old (1st dose), 4 months old (2nd dose), 6 months old (3rd dose) and 18 months old (4th dose)	Severe allergic reaction to neomycin, polymycin, streptomycin or vaccine related ingredients before	Within 1 to 3 days after vaccination, there may be symptoms such as local redness, soreness or fever. The symptoms usually recover within 2 to 3 days.
Pneumococcal conjugate vaccine, 13-Valent	2 months old (1st dose), 4 months old (2nd dose) and 12	1. Severe allergic reaction to any of the ingredients of this vaccine before 2. Born less than 6 weeks	Local redness at injection site or mild fever may develop; usually recover within 2 days.

	months old (3rd dose)		
Bacillus Calmette-Guérin (BCG)	5 to 8 months old	Congenital or acquired immunodeficiency, such as severe combined immunodeficiency (SCID)	<ol style="list-style-type: none"> <li>1. Common but not severe adverse reactions: local abscess, ipsilateral axillary lymph node enlargement</li> <li>2. Uncommon but severe adverse reactions: septic arthritis, osteomyelitis</li> <li>3. Avoid from applying alcohol to injection site; keep it clean and dry</li> </ol>
Six-in-one vaccine (Diphtheria toxoid, Tetanus toxoid, Acellular pertussis, Hepatitis B, Inactivated polio and <i>Haemophilus influenzae</i> type b conjugate vaccine)	6 months old	Severe allergic reactions to any of the ingredients of this vaccine before	Within 1 to 3 days after vaccination, there may be symptoms such as local redness, soreness or fever. The symptoms usually recover within 2 to 3 days.
Measles, mumps and rubella vaccine (MMR)	12 months old (1st dose) and 5 years old (before elementary school attendance) (2nd dose)	<ol style="list-style-type: none"> <li>1. Severe allergic reaction (such as anaphylactic shock) to egg protein before</li> <li>2. Congenital or acquired immunodeficiency</li> </ol>	<ol style="list-style-type: none"> <li>1. Measles vaccine occasionally causes rash, cough, running nose or fever within 5-12 days after injection.</li> <li>2. Rubella (German measles) vaccine occasionally causes fever, temporary joint pain, arthritis and neuritis.</li> <li>3. Mumps vaccine has been reported to cause cases of mild central nervous system adverse reaction, however, the chance is very low.</li> </ol>

Varicella vaccine	12 onths old	<ol style="list-style-type: none"> <li>1. Severe allergic reactions to any of the ingredients of this vaccine before</li> <li>2. Congenital or acquired immunodeficiency</li> </ol>	<ol style="list-style-type: none"> <li>1. The injection site may have local reactions such as redness, pain or swelling.</li> <li>2. Slight fever may occur after vaccination. Occasionally high fever and convulsions may develop.</li> <li>3. Within 5-26 days blisters similar to chickenpox may occur.</li> </ol>
Hepatitis A vaccine	12 months old (1st dose) and 6-12 months later after the 1st dose (2nd dose)	Severe allergic reactions to any of the ingredients of this vaccine before	May occur redness and pain at the injection site, headache, anxiety, fatigue or fever.
Japanese encephalitis virus live attenuated vaccine	15 months old (1st dose) and at least 12 months later (2nd dose)	<ol style="list-style-type: none"> <li>1. Severe allergic reactions to any of the ingredients of this vaccine before</li> <li>2. Congenital or acquired immunodeficiency</li> </ol>	<ol style="list-style-type: none"> <li>1. General adverse reactions include pain, redness, and swelling at the injection site.</li> <li>2. A few cases may have mild or moderate weakness, muscle pain, irritability, poor appetite, fever or headache within 3-7 days after injection. The symptoms recover within a few days.</li> <li>3. It is extremely rare to have symptoms such as severe allergic reaction, lethargy or convulsion.</li> </ol>
Four-in-one vaccine (Tetanus toxoid, Diphtheria toxoid, Acellular pertussis and Inactivated polio vaccine)	5 years old ( before elementary school attendance)	Severe allergic reactions to any of the ingredients of this vaccine before	May have rash, erythema, fever or pain at the injection site; usually recover within 3 days.
Inactivated influenza vaccine, 4-valent	More than 6 months old (vaccination	Severe allergic or adverse reactions to this vaccine before	1. There is a very low probability of an immediate allergic reaction after vaccination, such as anaphylactic shock in severe cases; keep observation for 30 minutes at hospital after the

	<p>since October every year) ✳️Children under 8 years old who have never received influenza vaccine before: the 2<sup>nd</sup> dose should be applied. (4 weeks later after 1<sup>st</sup> dose)</p>		<p>vaccination to make sure there is no any discomfort. 2. Pain and redness may develop at the injection site after vaccination. Few people may have mild systemic reactions, such as fever, headache, muscle pain, nausea, itchy skin, wheals or rashes. Generally the symptoms will recover within 1 to 2 days.</p>
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Information on Self-paid Vaccines of Infants and Young

# Children

<b>Oral rotavirus vaccine</b>	2 doses (Rotarix ) : 2 and 4 months old	<b>Severe allergic reaction to 1<sup>st</sup> dose rotavirus vaccine or any of the ingredients of vaccine</b>	<ol style="list-style-type: none"> <li>1. Keep stomach empty for more than half an hour before and after taking an rotavirus vaccine.</li> <li>2. Can be vaccinated at the same time with other vaccines, but do not mixed with other vaccines or solutions.</li> <li>3. This vaccine can only prevent diarrhea and vomiting caused by rotavirus, however, it can' t prevent diarrhea and vomiting caused by other causes.</li> <li>4. It is recommended to wash your hands after changing diapers to prevent the spread of rotavirus in the vaccine.</li> </ol>
	3 doses (RotaTeq ) : 2, 4 and 6 months old		
<b>Hepatitis A vaccine (Born before January 1, 2017)</b>	<b>At least 12 months old (1<sup>st</sup> dose) and 6-12 months later after the 1st dose (2<sup>nd</sup> dose)</b>	Severe allergic reactions to any of the ingredients of this vaccine before	May occur redness and pain at the injection site, headache, anxiety, fatigue or fever.
Pneumococcal conjugate vaccine, 13-Valent (Not covered by NHI)	Could be prescribed the additive dose at 6 months old	<ol style="list-style-type: none"> <li>1. Severe allergic reaction to any of the ingredients of this vaccine before</li> <li>2. Born less than 6 weeks</li> </ol>	Local redness at injection site or mild fever may develop; usually recover within 2 days.

## Methods suggested for reducing the fever:

1. Encourage more fluid oral intake, including boiled water, juice, beverages, fruits or diluted sport drinks.
2. Reducing clothing or body covering to promote body heat dissipation.
3. Maintaining indoor air circulation and keep room temperature around 20-24 ° C.
4. Keep indoor quiet and encourage the child to take more rest.

5. Serve antipyretics according to doctor's instruction.
6. If you have taken antipyretic measures but the fever persists, please seek medical attention as soon as possible.