

Changes in the Immunization Schedule Recommended by the Japan Pediatric Society  
October 1, 2020



- 1) Rotavirus vaccines have been included in the routine vaccines.
- 2) The indication for pneumococcal conjugate vaccine has been expanded.

\*We have revised “the Immunization Catch-up Schedule Recommended by Japan Pediatric Society” and “Immunization of Voluntary Vaccines for Children (less than 15 years old).”

# Vaccination Schedule Recommended by the Japan Pediatric Society October 1, 2020 Japan Pediatric Society



Vaccine	Type	Infant									Early Childhood					School Age							
		Birth	6w	2m	3m	4m	5m	6m	7m	8m	9-11m	12-15m	16-17m	18-23m	2y	3y	4y	5y	6y	7y	8y	9y	≥10y
<i>Haemophilus influenzae</i> type b	Inactivated			①	②	③						④ (Footnote 1)											
Pneumococcal (PCV13) (Footnote 2)	Inactivated			①	②	③						④											(Footnote 2)
Hepatitis B virus (HBV)	Universal			①	②					③		(Footnote 3)											
	Mother-to-child Transmission		①	②						③													
Rotavirus	Mono-valent Penta-valent	Live			①	②				(Footnote 4)													
					①	②	③				(Footnote 5)												
Diphtheria, Pertussis, Tetanus, Polio (DPT-IPV)	Inactivated			①	②					③		④ (Footnote 6)											(up to 7.5yrs)
Diphtheria, Pertussis, Tetanus (DPT)	Inactivated			①	②					③		④ (Footnote 6)											(up to 7.5yrs)
																							⑤ (Footnote 7)
																							⑥ 11-12yrs (Footnote 8)
Diphtheria, Tetanus (DT)	Inactivated																						11yrs ①
																							12yrs
Inactivated polio virus (IPV)	Inactivated			①	②					③		④ (Footnote 6)											(up to 7.5yrs)
																							⑤ (Footnote 9)
BCG	Live									①													
Measles, Rubella (MR)	Live												①										② (Footnote 10)
Varicella	Live												①			②							(Footnote 11)
Mumps	Live												①										② (Footnote 12)
Japanese Encephalitis	Inactivated																①	②	③	(up to 7.5yrs)			④ 9-12yrs
Influenza	Inactivated																						Annually (October, November, etc.) ①②
																							① ≥13yrs
Human Papilloma Virus (HPV)	Inactivated																					(Footnote 13)	Gr.6
																							Junior High Gr.1 ①②③ (footnote 14)
																							Junior High Grade 2 – High School Year 1

Recommended age range for routine vaccination
  Period possible for routine vaccination
  Recommended age range for voluntary vaccination
  Period possible for voluntary vaccination
  Not stated in package insert but recommended by the Japan Pediatric Society
  Period for the national health insurance coverage

# Vaccination Schedule Recommended by the Japan Pediatric Society    October 1, 2020



Standard Period, Perspective of the Japan Pediatric Society, Precautions

Routine Vaccination   
  Voluntary Vaccination   
  By Health Insurance

Vaccine	Type	Standard Age of Vaccination and Period	Perspective of the Japan Pediatrics Society	Precautions
<b>Haemophilus influenzae type b (Hib)</b>	Inactivated	27-56 days (4-8 wks) interval between ①-②-③ 7-13 mos interval between ③-④	(Footnote 1) ④: can obtain satisfactory immunity if administered from 12 mos of age.	<ul style="list-style-type: none"> <li>As a routine immunization, ≥27 days interval between ①-②-③, ≥7 mos interval between ③-④</li> <li>If first dose administered between 7 mos and 11 mos: After ①-② an interval of ≥7 mos then ③</li> <li>If the first dose administered between 1 yr and 4 yrs: only ①</li> <li>Vaccination possible for children ≥5 yrs if they have risk factors.</li> </ul>
<b>Pneumococcal, Conjugate (PCV13)</b>	Inactivated	≥27 days (4 wks) interval between ①-②-③ ≥60 days (2 mos) interval between ③-④ and administered when the child is 1 yr - 1 yr 3 mos		<ul style="list-style-type: none"> <li>If first dose administered between 7 mos-11 mos: After ①, ② vaccination, an interval of ≥60 days and after 1 yr of age, followed by catch-up vaccination ③</li> <li>If first dose administered between 1 yr-23 mos: ①, ② with ≥60 days interval.</li> <li>(Footnote 2) Refer to the "Immunization of Voluntary Vaccines for Children" for voluntary vaccine schedule (in Japanese). <a href="http://www.jpeds.or.jp/modules/activity/index.php?content_id=316">http://www.jpeds.or.jp/modules/activity/index.php?content_id=316</a></li> </ul>
<b>Hepatitis B Virus (HBV) Universal Vaccine</b>		① 2 mos ② 3 mos ③ 7-8 mos ①-② Interval of ≥27 days (4 wks) ①-③ Interval of ≥139 days (20 wks)	In case of existence of family members with HBV careers other than mother, early immunization is warranted, not waiting till 2 mos of age.	<ul style="list-style-type: none"> <li>(Footnote 3) Immunization schedule for children who do not receive vaccines during infancy is depending upon the one with universal vaccination.</li> </ul>
<b>Hepatitis B Virus (HBV) Vaccines for Prevention of Mother to Child Transmission</b>	Inactivated	① At birth ② 1 mo ③ 6 mos		<ul style="list-style-type: none"> <li>If mother is positive for HBs antigen, the child will receive vaccine and HB immunoglobulin simultaneously at birth.</li> <li>Vaccine fee is covered by the national health insurance.</li> <li>See in details at "New strategies for the prevention of mother to child transmission of HBV" (in Japanese). <a href="http://www.jpeds.or.jp/modules/activity/index.php?content_id=141">http://www.jpeds.or.jp/modules/activity/index.php?content_id=141</a></li> </ul>

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Standard Period, Perspective of the Japan Pediatric Society, Precautions

Vaccine	Type	Standard Age of Vaccination and Period	Perspective of the Japan Pediatrics Society	Precautions
<b>Rotavirus</b>	Live	Vaccination possible from 6 wks after birth. ①: recommended between 8 wks and under 15 wks RV1 vaccine (Rotarix®): For①-② a total of 2 doses with an interval of ≥4 wks. For RV5 vaccine (RotaTeq®): ①-②-③: a total of 3 doses with ≥4 wks between doses	As a general rule, we do not recommend the first dose of vaccination after 15 wk of age because of the increase in risk of intussusception within 7 d of vaccination.	<ul style="list-style-type: none"> <li>• (footnote 4) Total 2 doses, ② to be completed within 24<sup>th</sup> wk of age.</li> <li>• (footnote 5) Total 3 doses, ③ to be completed within 32<sup>nd</sup> wk of age.</li> <li>• Provide first priority to complete the same vaccine, order the same vaccine if not available, because interchangeability of RV1 and RV5 has not confirmed yet.</li> <li>• Re-vaccination after vomiting the vaccine is not approved. Please refer "Q&amp;A for Rotavirus Vaccine" in details at the Ministry of Health, Labour, and Welfare in details (in Japanese) . <a href="https://www.mhlw.go.jp/stf/seisakunitsuite/bunya/kenkou_iryuu/kenkou/index_00001.html">https://www.mhlw.go.jp/stf/seisakunitsuite/bunya/kenkou_iryuu/kenkou/index_00001.html</a></li> <li>• Outside of Japan, it is not recommended to provide rotavirus vaccines in children whose mother received treatment with biological products during pregnancy. <a href="https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/770826/Rotavirus_vaccination_programme_i">https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/770826/Rotavirus_vaccination_programme_i</a></li> </ul>
<b>Diphtheria, Pertussis, Tetanus, Polio (DPT-IPV, IPV)</b>	Inactivated	Interval of 20-56 days between ①-②-③ (Footnote 6) ≥6 mos between ③-④ Generally, during 12-18 mos after ③		<ul style="list-style-type: none"> <li>• Interval of ≥20 days between ①-②-③ as a routine vaccination.</li> <li>• Currently, it is not approved to use DPT-IPV instead of DPT and IPV before entering elementary school.</li> <li>• Use DPT or IPV for the boosters after 5th dose because the use of DPT-IPV is limited 4 times. <a href="https://www.mhlw.go.jp/bunya/kenkou/polio/dl/leaflet_120601.pdf">https://www.mhlw.go.jp/bunya/kenkou/polio/dl/leaflet_120601.pdf</a></li> </ul>

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Standard Period, Perspective of the Japan Pediatric Society, Precautions

Vaccine	Type	Standard Age of Vaccination and Period	Perspective of the Japan Pediatrics Society	Precautions
<b>Diphtheria, Pertussis, Tetanus (DPT)</b>		Interval of 20-56 days between ①-②-③ (Footnote 6) ≥6 mos between ③-④ Generally, during 12-18 mos after ③		
<b>Diphtheria, Pertussis, Tetanus (DPT)</b> (For the prevention pertussis after entering elementary school)	Inactivated	⑤ ≥5 yrs, <7 yrs, ≥6 mo between ④-⑤ ⑥ 11-12 yrs	(Footnote 7) We recommend a booster vaccine before entering elementary school because low levels of antibody against pertussis in children before entering elementary school have been reported. The status of pertussis antibody in children in 2018 demonstrated that a rate of anti-PT antibody ≥ 10EU/mL was less than 30% in 9 years old children (in Japanese). <a href="https://www.niid.go.jp/niid/ja/y-graphs/8788-pertussis-yosokuserum2018.html">https://www.niid.go.jp/niid/ja/y-graphs/8788-pertussis-yosokuserum2018.html</a>  (Footnote 8) It is possible to use DTaP vaccine instead of DT vaccine to prevent pertussis.	• Use 0.5mL (0.1mL for DT vaccine).
<b>Diphtheria, Tetanus (DT)</b>	Inactivated	①: At 11 yrs until reaching 12 yrs		• According to the Immunization Law, ≥11 yrs, <13 yrs.
<b>Inactivated poliovirus (IPV)</b>		Interval of 20-56 days between ①-②-③ (footnote 7) ≥6 mos between ③-④ Generally, during 12-18 mos after ③		• Please refer to vaccination schedule at the JPS (in Japanese) for persons who did not complete vaccination but was administered OPV vaccine and/or IPV prior to August 31, 2012. <a href="https://www.mhlw.go.jp/bunya/kenkou/polio/dl/leaflet_120601.pdf">https://www.mhlw.go.jp/bunya/kenkou/polio/dl/leaflet_120601.pdf</a>
<b>Inactivated poliovaccine (IPV)</b> (For the prevention polio after entering elementary school)	Inactivated	⑤ ≥5 yrs, <7 yrs	(Footnote 9) We recommend inactivated polio vaccine before lowering antibodies against polio when children enter elementary school.	

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Standard Period, Perspective of the Japan Pediatric Society, Precautions

Vaccine	Type	Standard Age of Vaccination and Period	Perspective of the Japan Pediatrics Society	Precautions
<b>BCG</b>	Live	Administered under 12 mos of age, generally administered during the period from 5 mos to <8 mos	Early vaccination required in areas where incidence of tuberculosis is high.	
<b>Measles, Rubella (MR)</b>	Live	①: 1 yr - <2 yrs ②: ≥5 yrs - <7 yrs (footnote 10) 1 year before entering elementary school		• Vaccination possible ≥6mos for post-exposure prophylaxis; however, the vaccine is not counted, regular ① and ② need to be vaccinated.
<b>Varicella</b>	Live	①: 12-15 mos ②: 6-12 mos after	(Footnote 11) It is necessary to provide 2 doses of varicella vaccine for children who are not suffered from varicella and unvaccinated.	• ①-②: Leave an interval of ≥3 months as a routine vaccination. • ①-②: Leave an interval of ≥4 weeks if ≥13 yrs.
<b>Mumps</b>	Live	①: ≥1 yr	(Footnote 12) To ensure vaccine efficacy, 2 doses are necessary. ①: early vaccination at 1 yr of age ②: simultaneous administration with 2 <sup>nd</sup> dose of MR (≥5 yrs - <7 yrs, 1 year before entering elementary school is recommended).	
<b>Japanese Encephalitis</b>	Inactivated	①, ②: 3 yrs, leave a 6-28 days interval between ①-② ③: 4 yrs ④: 9 yrs	We recommend vaccination for Japanese encephalitis (JE) vaccine from 6 months of age in children who will travel or stay in the endemic area of JE, or live in the area where high titers of JE in pigs is confirmed. "Recommendation for JE vaccine from 6 months of age in children with high risks for JE (in Japanese)". <a href="http://www.jpeds.or.jp/modules/activity/index.php?content_id=207">http://www.jpeds.or.jp/modules/activity/index.php?content_id=207</a>	• A dose per vaccination: 6mos- <3 yrs: 0.25mL; ≥3 yrs: 0.5mL • For general routine vaccinations, first set administered from 6 mos to under 90 mos (7.5 yrs), and second set at age 9 to under 13 yrs. • Interval of ≥6 days between ①-②, ≥6 mos between ② and ③. • For children who were born from April 2, 2007 to October 1, 2009, it is possible to receive vaccine as a routine vaccine if they did not receive 1st stage (①, ②, ③) during 6 mos-<90 mos (7 yr 6mos) or 9 yrs to <13 yrs. • Due to the assertive recommendation to refrain from administration in May 2005, a detailed schedule for those who were born between April 2, 1995 and October 1, 2009 (in Japanese). <a href="http://www.mhlw.go.jp/bunya/kenkou/kekaku-kansenshou20/annai.html">http://www.mhlw.go.jp/bunya/kenkou/kekaku-kansenshou20/annai.html</a>

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Vaccine	Type	Standard Age of Vaccination and Period	Perspective of the Japan Pediatrics Society	Precautions
<b>Influenza</b>	Inactivated	Leave an interval of 4 wks between ① and ② (2-4 wks)		<ul style="list-style-type: none"> <li>• &lt;13 yrs: 2 doses, ≥13 yrs: 1 or 2 doses.</li> <li>• Single dose: 6 mos - &lt;3 yrs: 0.25 mL; ≥3 yrs: 0.5 mL.</li> </ul>
<b>Human Papilloma Virus (HPV)</b>	Inactivated	Junior high school Grade 1 HPV2 vaccine (Cervarix®): 1 mo interval between ①-②, leave 6 mos between ①-③ HPV4 vaccine (Gardasil®): 2 mos interval between ①-②, leave 6 mos between ①-③	Although active recommendation for HPV vaccine has been suspended since June, 2013, we recommend active immunization because we have strategies for the understanding and analyses of adverse events of HPV vaccine, establishment of reporting system and management/counseling for symptoms after vaccination, and rescue for recipients who received health issues (by the Professional Promotion Council of Immunization, (in Japanese) .  <a href="http://vaccine-kyogikai.umin.jp/pdf/20160418_HPv-vaccine-opinion.pdf">http://vaccine-kyogikai.umin.jp/pdf/20160418_HPv-vaccine-opinion.pdf</a>	<ul style="list-style-type: none"> <li>• Vaccine given as intramuscular injection (upper arm, deltoid area) .</li> <li>• By the Immunization Law, 12-16 yrs (elementary school grade 6 to high school year 1) female.</li> <li>• (Footnote 13) HPV2 vaccine can be administered from ≥10 yrs, HPV4 vaccine ≥9 yrs.</li> <li>• (Footnote 14) Vaccination possible as routine vaccination with the interval below if not administered in regular schedule (Note the difference in the interval required for routine vaccination between the 2 vaccines). HPV2 vaccine: ≥1 mo between ①-②; ≥5 mos between ①-③ and ≥2.5 mos between ②-③; HPV4 vaccine: ≥1 mo between ①-②, and ≥3 mos between ②-③.</li> </ul>

# Immunization Check List

Name : \_\_\_\_\_

Date of Birth :        /        /



Routine vaccine



Voluntary vaccine

Vaccines	Type	Dose 1	Dose 2	Dose 3	Dose 4	Dose 5	Dose 6
Haemophilus influenzae type b (Hib)	Inactivated	<input type="checkbox"/> (    /    /    )	<input type="checkbox"/> (    /    /    )	<input type="checkbox"/> (    /    /    )	<input type="checkbox"/> (    /    /    )		
Pneumococcal conjugate (PCV13)	Inactivated	<input type="checkbox"/> (    /    /    )	<input type="checkbox"/> (    /    /    )	<input type="checkbox"/> (    /    /    )	<input type="checkbox"/> (    /    /    )	<input type="checkbox"/> (    /    /    ) <small>Refer to Footnote 2</small>	
Hepatitis B (HBV)	Inactivated	<input type="checkbox"/> (    /    /    )	<input type="checkbox"/> (    /    /    )	<input type="checkbox"/> (    /    /    )			
Rotavirus	Live	<input type="checkbox"/> (    /    /    )	<input type="checkbox"/> (    /    /    ) <small>Dose 2 final for RV1 (Rotarix)</small>	<input type="checkbox"/> (    /    /    ) <small>Dose 3 final for RV5 (RotaTeq)</small>			
Diphtheria, Pertussis, Tetanus, Poliovirus (DPT-IPV)	Inactivated	<input type="checkbox"/> (    /    /    )	<input type="checkbox"/> (    /    /    )	<input type="checkbox"/> (    /    /    )	<input type="checkbox"/> (    /    /    )		
Diphtheria, Pertussis, Tetanus (DPT) (for pertussis)	Inactivated					<input type="checkbox"/> (    /    /    )	<input type="checkbox"/> (    /    /    )
Diphtheria, Tetanus (DT)	Inactivated					<input type="checkbox"/> (    /    /    )	
Polio (for polio)	Inactivated					<input type="checkbox"/> (    /    /    )	
BCG	Live	<input type="checkbox"/> (    /    /    )					
Measles, Rubella (MR)	Live	<input type="checkbox"/> (    /    /    )	<input type="checkbox"/> (    /    /    )				
Varicella	Live	<input type="checkbox"/> (    /    /    )	<input type="checkbox"/> (    /    /    )				
Mumps	Live	<input type="checkbox"/> (    /    /    )	<input type="checkbox"/> (    /    /    )				
Japanese encephalitis	Inactivated	<input type="checkbox"/> (    /    /    )	<input type="checkbox"/> (    /    /    )	<input type="checkbox"/> (    /    /    )	<input type="checkbox"/> (    /    /    )		
Influenza	Inactivated	(Annual vaccination recommended, refer to the 2nd sheet)					
Human papillomavirus (HPV)	Inactivated	<input type="checkbox"/> (    /    /    )	<input type="checkbox"/> (    /    /    )	<input type="checkbox"/> (    /    /    )			





# Influenza Vaccination Checklist

Name : \_\_\_\_\_

Date of Birth :        /        /

Age	Dose 1	Dose 2	年齢	Dose 1	Dose 2
6-11 mos	<input type="checkbox"/> (        /        /        )	<input type="checkbox"/> (        /        /        )	8 yrs	<input type="checkbox"/> (        /        /        )	<input type="checkbox"/> (        /        /        )
1 yr	<input type="checkbox"/> (        /        /        )	<input type="checkbox"/> (        /        /        )	9 yrs	<input type="checkbox"/> (        /        /        )	<input type="checkbox"/> (        /        /        )
2 yrs	<input type="checkbox"/> (        /        /        )	<input type="checkbox"/> (        /        /        )	10 yrs	<input type="checkbox"/> (        /        /        )	<input type="checkbox"/> (        /        /        )
3 yrs	<input type="checkbox"/> (        /        /        )	<input type="checkbox"/> (        /        /        )	11 yrs	<input type="checkbox"/> (        /        /        )	<input type="checkbox"/> (        /        /        )
4 yrs	<input type="checkbox"/> (        /        /        )	<input type="checkbox"/> (        /        /        )	12 yrs	<input type="checkbox"/> (        /        /        )	<input type="checkbox"/> (        /        /        )
5 yrs	<input type="checkbox"/> (        /        /        )	<input type="checkbox"/> (        /        /        )	13 yrs	<input type="checkbox"/> (        /        /        )	
6 yrs	<input type="checkbox"/> (        /        /        )	<input type="checkbox"/> (        /        /        )	14 yrs	<input type="checkbox"/> (        /        /        )	
7 yrs	<input type="checkbox"/> (        /        /        )	<input type="checkbox"/> (        /        /        )	15 yrs	<input type="checkbox"/> (        /        /        )	

