

Changes in the Immunization Schedule Recommended by the Japan Pediatric Society
April 1, 2023



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- 1) Due to the change in the start date of immunization for the DPT-IPV (Diphtheria, Pertussis, Tetanus, Polio), DPT (Diphtheria, Pertussis, Tetanus), and IPV (Inactivated polio virus), the immunization schedule has been partially revised.
- 2) Information on the HPV (9-valent human papillomavirus vaccine, SILGARD[®]9) has been added.

Vaccination Schedule Recommended by the Japan Pediatric Society April 1, 2023 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)	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			①	②																			(Footnote 4)				
	Penta-valent			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)						⑥11-12yrs (Footnote 8)				
Diphtheria, Tetanus (DT)	Inactivated																							11yrs ①	12yrs			
Inactivated polio virus (IPV)	Inactivated			①	②	③							④ (Footnote 6)											(up to 7.5yrs)				
				①	②	③																			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)	④9-12yrs
Influenza	Inactivated																										Annually (October, November, etc.) ①②	① ≥13yrs
Human papilloma virus (HPV)	2, 4-valent	Inactivated																						(Footnote 13)	Gr.6	Junior High Gr.1 ①②③ (footnote 14)	Junior High Grade 2 – High School Year 1 (Footnote 15)	
	9-valent	Inactivated																						(Footnote 13)	Gr.6	Junior High Gr.1 ①② (footnote 14)	Junior High Grade 2 – High School Year 1 (Footnote 15)	

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

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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
Haemophilus influenzae type b (Hib)	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 after 12 mos of age. Vaccination after 1 yr of age.	<ul style="list-style-type: none"> As a routine immunization, ≥27 days interval between ①-②-③, ≥7 mos interval between ③-④ If first dose administered between 7 mos and 11 mos: ≥7 mos interval between ②-③ If the first dose administered between 1 yr and 4 yrs: only ① Vaccine can be administered for children ≥5 yrs if they have a risk factors.
Pneumococcal, Conjugate (PCV13)	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"> If first dose administered between 7 mos-11 mos: ③ can be administered after an interval of ≥60 days following ② and after 1 yr of age. If first dose administered between 1 yr-23 mos: ≥60 days interval between ①-② If the first dose administered between 2 yrs and 4 yrs: only ① (Footnote 2) Regarding the schedule of voluntary vaccinations, please refer to the "Vaccination of Children (under 15 years old) with Voluntary Vaccines (in Japanese)" on the website of the Japan Pediatric Society http://www.jpeds.or.jp/modules/activity/index.php?content_id=316
Hepatitis B Virus (HBV) Universal Vaccine	Inactivated	① 2 mos ② 3 mos ③ 7-8 mos ≥27 days (4 wks) interval between ①-② ≥139 days (20 wks) interval between ①-③	If there is a hepatitis B carrier in the family other than the mother, early vaccination is recommended instead of waiting until the child is 2 months old.	<ul style="list-style-type: none"> (Footnote 3) Vaccination to prevent horizontal transmission in children who were not vaccinated in infancy. Vaccination intervals are the same as for universal vaccines.
Hepatitis B Virus (HBV) Vaccines for Prevention of Mother to Child Transmission	Inactivated	① At birth ② 1 mo ③ 6 mos		<ul style="list-style-type: none"> If a mother is positive for HBs antigen, the child receives vaccine and HB immunoglobulin simultaneously at birth. Vaccine fee is covered by the national health insurance. See in details at "New strategies for the prevention of mother to child transmission of HBV" (in Japanese)" on the website of the Japan Pediatric Society. http://www.jpeds.or.jp/modules/activity/index.php?content_id=141

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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
Rotavirus	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"> • (footnote 4) Total 2 doses, ② to be completed within 24th wk of age. • (footnote 5) Total 3 doses, ③ to be completed within 32nd wk of age. • Priority is given to completing the series with the same vaccine , because interchangeability of RV1 and RV5 has not confirmed yet. • Re-vaccination after vomiting the vaccine is not recommended . <p>Please refer to the "Q&A for Rotavirus Vaccine" published by the Japan Association of Vaccine Industries for more details (in Japanese) .</p> <p>https://www.mhlw.go.jp/stf/seisakunitsuite/bunya/kenkou_iryou/kenkou/index_00001.html</p> <ul style="list-style-type: none"> • Outside of Japan, it is not recommended to provide rotavirus vaccines in children whose mother received treatment with biological products during pregnancy. <p>https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/770826/Rotavirus_vaccination_programme_information_document_Nov_2018.pdf</p>
Diphtheria, Pertussis, Tetanus, Polio (DPT-IPV, IPV)	Inactivated	Intervals for ①-② and ②-③ are 20-56 days (Footnote 6) ≥6 mos between ③-④ Generally, ④ is given 12-18 months after ③		<ul style="list-style-type: none"> • Interval of ≥20 days between ①-② and ②-③ are recommended as a routine vaccination. • Currently, it is not approved to use DPT-IPV instead of DPT and IPV for the 5th dose because the use of DPT-IPV is limited to 4 times. <p>https://www.mhlw.go.jp/bunya/kenkou/polio/dl/leaflet_120601.pdf</p>

Vaccination Schedule Recommended by the Japan Pediatric Society April 1, 2023



Standard Period, Perspective of the Japan Pediatric Society, Precautions

Vaccine	Type		Perspective of the Japan Pediatrics Society	Precautions
Diphtheria, Pertussis, Tetanus (DPT)		Intervals for ①-② and ②-③ are 20-56 days (Footnote 6) ≥6 mos between ③-④ Generally, ④ is given 12-18 months after ③		
Diphtheria, Pertussis, Tetanus (DPT) (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). https://www.niid.go.jp/niid/ja/y-graphs/8788-pertussis-yosokuserum2018.html (Footnote 8) It is possible to use DTaP vaccine instead of DT vaccine to prevent pertussis.	• Use 0.5mL (0.1mL for DT vaccine).
Diphtheria, Tetanus (DT)	Inactivated	①: At 11 yrs until reaching 12 yrs		• According to the Immunization Law, ≥11 yrs, <13 yrs.
Inactivated poliovirus (IPV)		Intervals for ①-② and ②-③ are 20-56 days (Footnote 7) ≥6 mos between ③-④ Generally, ④ is given 12-18 months 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. https://www.mhlw.go.jp/bunya/kenkou/polio/dl/leaflet_120601.pdf
Inactivated poliovaccine (IPV) (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
BCG	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.	
Measles, Rubella (MR)	Live	①: 1 yr - <2 yrs ②: ≥5 yrs - <7 yrs (footnote 10) 1 year before entering elementary school		<ul style="list-style-type: none"> • Vaccination possible ≥6mos for post-exposure prophylaxis; however, the vaccine is not counted, regular ① and ② need to be vaccinated. • A male person who was born between April 2, 1962 and April 1, 1979 is expected to receive routine rubella vaccination by March 31, 2024.
Varicella	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.	<ul style="list-style-type: none"> • ①-②: Leave an interval of ≥3 months as a routine vaccination. • ①-②: Leave an interval of ≥4 weeks if ≥13 yrs.
Mumps	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 nd dose of MR (≥5 yrs - <7 yrs, 1 year before entering elementary school is recommended).	
Japanese Encephalitis	Inactivated	①, ②: 3 yrs, leave a 6-28 days interval between ①-② ③: 4 yrs, leave a year after ② 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 prevalence of JE antibody in pigs is confirmed. "Recommendation for JE vaccine from 6 months of age in children with high risks for JE (in Japanese)" . http://www.jpeds.or.jp/modules/activity/index.php?content_id=207	<ul style="list-style-type: none"> • 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, 1995 to April 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) . <p>http://www.mhlw.go.jp/bunya/kenkou/kekkaku-kansenshou20/annai.html</p>

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Vaccine	Type	Standard Age of Vaccination and Period	Perspective of the Japan Pediatrics Society	Precautions
Influenza	Inactivated	Leave an interval of 4 wks between ① and ② (2-4 wks)		<ul style="list-style-type: none"> • <13 yrs: 2 doses, ≥13 yrs: 1 or 2 doses (basically 1 dose). • Single dose: 6 mos - <3 yrs: 0.25 mL; ≥3 yrs: 0.5 mL.
Human Papilloma Virus (HPV)	Inactivated	Junior high school Grade 1 HPV9 vaccine (SILGARD®9): ① received < 15 yrs, 2 doses recommended, leave 6 mos to 12 mon between ①-③	If HPV2 of HPV9 was used for the initial vaccination, the same vaccine should be used as a booster. However, HPV9 can also be used as a booster,	<ul style="list-style-type: none"> • Vaccine given as intramuscular injection (upper arm, deltoid area) . • By the Immunization Law, 12-16 yrs (elementary school grade 6 to high school year 1) female. • (Footnote 13) HPV2 and HPV9 vaccine can be administered from ≥9 yrs. • (Footnote 14) Vaccination is possible as routine vaccination with the interval below if not administered in the regular schedule (Note the difference in the interval required for routine vaccination between the 3 vaccines). HPV2 vaccine: ≥1 mo between ①-②; ≥5 mos between ①-③ and ≥2.5 mos between ②-③; HPV4 or HPV9 vaccines: ≥1 mo between ①-②, and ≥3 mos between ②-③. • (Footnote 15) If women who were born between 1997 and 2005 and have not received HPV vaccine, because of withholding the recommendation, can receive catch-up vaccinations between 2022 and 2024.

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"/> (/ /) Refer to Footnote 2	
Hepatitis B (HBV)	Inactivated	<input type="checkbox"/> (/ /)	<input type="checkbox"/> (/ /)	<input type="checkbox"/> (/ /)			
Rotavirus	Live	<input type="checkbox"/> (/ /)	<input type="checkbox"/> (/ /) Dose 2 final for RV1 (Rotarix)	<input type="checkbox"/> (/ /) Dose 3 final for RV5 (RotaTeq)			
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 yrs	<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"/> (/ /)	

