

Changes to the Vaccination Schedule Recommended by the Japan Pediatric Society October 1, 2016



- 1) Hepatitis B virus (HBV) vaccine has been included in the routine vaccination. Prevention of HBV mother to child transmission continues to be covered by the national health insurance system. In this schedule, we described them separately and categorized prevention of mother to child transmission of HBV covered by national health insurance system.
- 2) We removed diphtheria, tetanus and pertussis vaccine and inactivated polio vaccine from the schedule, and summarized them as diphtheria, tetanus, pertussis and inactivated polio (DPT-IPV, IPV). (No effective DPT vaccine is available after June 15, 2016, and DPT vaccine is currently not manufactured.)
- 3) Varicella vaccine schedule has been changed (Removed the transient measure in the 2014 fiscal year).
- 4) We have added the timing of routine vaccination and subjects of Japanese encephalitis vaccine based on the routine immunization rules by the Ministry of Health, Labour, and Welfare at the Health Service Bureau, Health Service Division. In addition, a perspective regarding vaccination timing by the Japan Pediatric Society has been added.
- 5) A perspective by the Japan Pediatric Society regarding human papilloma virus vaccine has been added.



Vaccine	Type	Infant										Early Childhood						School Age				
		Birth	6w	2m o	3m	4 m	5 m	6m	7 m	8m	9-11 m	12-15 m	16-17m	18-23m	2y	3y	4y	5y	6y	7y	8y	9y
<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 4)											
	Mother-to-child Transmission	①	②				③															
Rotavirus	Mono-Valent			①	②	(Footnote 5)																
	Hepta-valent			①	②	③	(Footnote 6)															
Diphtheria, Pertussis, Tetanus, Polio (DPT-IPV, IPV) (Footnote 8)	Inactivated			①	②	③				④ (Footnote 7)	(Up to 7.5 y)											
BCG	Live				①																	
Measles, Rubella (MR)	Live										①			② (Footnote 9)								
Varicella	Live										①		②	(Footnote 10)								
Mumps	Live										①					② (Footnote 11)						
Japanese Encephalitis	Inactivated											①	②	③	(Up to 7.5y)		④ 9-12y					
Influenza	Inactivated						Annually (October, November, etc.) ①②										≥13y①					
Diphtheria, Tetanus (DT)	Inactivated																		11y ①	12y		
Human Papilloma Virus (HPV)	Inactivated																		(Footnote 12)	Grade 6	Junior High Grade 1 ①②③ (footnote 13)	Junior High Grade 2 - High School Year 1

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



Routine
Vaccination



By Health
Insurance



Voluntary
Vaccination

Vaccination Schedule Recommended by the Japan Pediatric Society

Standard Period, Perspective of the Japan Pediatric Society, Precautions

October 1, 2016



Vaccine	Type	Standard Age of Vaccination and Vaccination Period	Perspective of the Japan Pediatrics Society	Precautions
<i>Haemophilus influenzae</i> type 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	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: After ①-② an interval of ≥ 7 mos then ③ If the first dose administered between 1 yr and 4 yrs: only ① Vaccination possible for children ≥ 5 yrs if they have 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	(Footnote 2) A supplemental dose of PCV13 is recommended for children <6 yrs who completed appropriate numbers of PCV7 by the Immunization Law, apart from 8 wks from the last PCV7 (voluntary vaccination).	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 If first dose administered between 1 yr-23 mos: ①, ② with ≥ 60 days interval If first dose administered between 2 yrs-4 yrs: only ① (Footnote 2) Administer PCV13 if they did not complete appropriate numbers of PCV7.
Hepatitis B Virus (HBV) Universal Vaccine	Inactivated	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.	(Footnote 3) Subjects who were born between April 1, 2016 and September 30, 2016 will be subjects for routine immunization. (Footnote 4) Immunization schedule for children who do not receive vaccines during infancy is depending upon the one with universal vaccination.
Hepatitis B Virus (HBV) Vaccines for Prevention of Mother to Child Transmission	Inactivated	① At birth ② 1 mo ③ 6 mos		If mother is positive for HBs antigen, the child will receive vaccine and HB immunoglobulin simultaneously at birth. Vaccine fee is covered by the national health insurance. See in details at JPS Homepage "New strategies for the prevention of mother to child transmission of HBV." Refer http://www.jpeds.or.jp/modules/activity/index.php?content_id=141 (in Japanese)
Rotavirus	Live	Vaccination possible from 6 wks after birth. ①: recommended between 8 wks and under 15 wks RV1 vaccine (Rotarix®): For ①-② 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		(footnote 5) Total 2 doses, ② to be completed within 24 th wk of age (footnote 6) Total 3 doses, ③ to be completed within 32 nd wk of age
Diphtheria, Pertussis, Tetanus, Polio (DPT-IPV, IPV)	Inactivated	Interval of 20-56 days between ①-②-③ (footnote 7) ≥ 6 mos between ③ - ④ Generally, during 12-18 mos after ③		Interval of ≥ 20 days between ①-②-③ as a routine vaccination (Footnote 8) DPT vaccine has no longer manufactured since July 15, 2016. Please refer to vaccination schedule at http://www.mhlw.go.jp/bunka/kenkou/polio/dl/leaflet_12601.pdf (in Japanese) for persons who did not complete vaccination but was administered OPV vaccine and/or IPV prior to August 31, 2012.
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 year - <2 yrs ②: ≥ 5 yrs - <7 yrs (footnote 9) 1 year before entering elementary school		Vaccination possible ≥ 6 mos for post-exposure prophylaxis; however, the vaccine is not counted, regular ① and ② need to be vaccinated.

Vaccine	Type	Standard Age of Vaccination and Vaccination Period	Perspective of the Japan Pediatrics Society	Precautions
Varicella	Live	①: 12-15 mos ②: 6-12 mos after ①	(Footnote 10) 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
Mumps	Live	①: ≥1 yr	(Footnote 11) to ensure vaccination efficacy, 2 doses necessary. ①: early vaccination after the age of 1 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 ④: 9 yrs (grade 3-4 elementary school)	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 (Japan Pediatric Society Homepage, "Recommendation for JE vaccine from 6 months of age in children with high risks for JE. Refer to http://www.jpeds.or.jp/modules/activity/index.php?content_id=207 (in Japanese))	A dose per vaccination: 6mo- <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 1 st stage (①, ②, ③) during 6 mo-<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, refer to the Ministry of Health, Labour, and Welfare Homepage http://www.mhlw.go.bunya/kenkou/kekkaku-kansenshou20/annai.html (in Japanese)
Influenza	Inactivated	Leave an interval of 4 wks between ① and ② (2-4 wks)		<13 yrs: 2 doses, ≥13 yrs: 1 or 2 doses Single dose: 6 mos - <3 yrs: 0.25 mL; ≥3 yrs: 0.5 mL
Diphtheria, Tetanus (DT)	Inactivated	①: At 11 yrs until reaching 12 yrs		According to the Immunization Law, ≥11 yrs, <13 yrs
Human Papilloma Virus (HPV)	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 (Refer to the Homepage by the Professional Promotion Council of Immunization http://vaccine-kyogikai.umin.jp/pdf/20160418_HP-vaccine-opinion.pdf (in Japanese))	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 12) HPV2 vaccine can be administered from ≥10 yrs, HPV4 vaccine ≥9 yrs (Footnote 13) 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

Vaccination Checklist

Name: _____

Date of Birth: _____ (dd/mm/yyyy)



Routine vaccinations



Voluntary vaccinations

Vaccines	Type	Dose 1	Dose 2	Dose 3	Dose 4
<i>Haemophilus influenzae</i> type b (Hib)	inactivated	<input type="checkbox"/> (/ /) Lot No. ()	<input type="checkbox"/> (/ /) Lot No. ()	<input type="checkbox"/> (/ /) Lot No. ()	<input type="checkbox"/> (/ /) Lot No. ()
Pneumococcal conjugate (PCV13)	inactivated	<input type="checkbox"/> (/ /) Lot No. ()	<input type="checkbox"/> (/ /) Lot No. ()	<input type="checkbox"/> (/ /) Lot No. ()	<input type="checkbox"/> (/ /) Lot No. ()
Hepatitis B (HBV)	inactivated	<input type="checkbox"/> (/ /) Lot No. ()	<input type="checkbox"/> (/ /) Lot No. ()	<input type="checkbox"/> (/ /) Lot No. ()	
Rotavirus	live attenuated	<input type="checkbox"/> (/ /) Lot No. ()	<input type="checkbox"/> (/ /) Lot No. () Dose 2 final for RV1 vaccine (Rotarix)	<input type="checkbox"/> (/ /) Lot No. () Dose 3 final for RV5 vaccine (RotaTeq)	
Diphtheria, Pertussis, Tetanus, Poliovirus (DPT-IPV)	inactivated	<input type="checkbox"/> (/ /) Lot No. ()	<input type="checkbox"/> (/ /) Lot No. ()	<input type="checkbox"/> (/ /) Lot No. ()	<input type="checkbox"/> (/ /) Lot No. ()
BCG	live attenuated	<input type="checkbox"/> (/ /) Lot No. ()			
Measles, Rubella (MR)	live attenuated	<input type="checkbox"/> (/ /) Lot No. ()	<input type="checkbox"/> (/ /) Lot No. ()		
Varicella	live attenuated	<input type="checkbox"/> (/ /) Lot No. ()	<input type="checkbox"/> (/ /) Lot No. ()		
Mumps	live attenuated	<input type="checkbox"/> (/ /) Lot No. ()	<input type="checkbox"/> (/ /) Lot No. ()		
Japanese encephalitis	inactivated	<input type="checkbox"/> (/ /) Lot No. ()	<input type="checkbox"/> (/ /) Lot No. ()	<input type="checkbox"/> (/ /) Lot No. ()	<input type="checkbox"/> (/ /) Lot No. ()
Influenza	inactivated	(Annual vaccination recommended, refer to 2nd sheet)			
Diphtheria, Tetanus (DT)	inactivated	<input type="checkbox"/> (/ /) Lot No. ()			
Human papillomavirus (HPV)	inactivated	<input type="checkbox"/> (/ /) Lot No. ()	<input type="checkbox"/> (/ /) Lot No. ()	<input type="checkbox"/> (/ /) Lot No. ()	

October 1, 2016, Japan Pediatric Society



Influenza Vaccination Checklist

Name: _____

Date of Birth: _____ (dd/mm/yyyy)

Age	Dose 1	Dose 2	Age	Dose 1	Dose 2
6-11 mos	<input type="checkbox"/> (/ /) Lot No. ()	<input type="checkbox"/> (/ /) Lot No. ()	8 yrs	<input type="checkbox"/> (/ /) Lot No. ()	<input type="checkbox"/> (/ /) Lot No. ()
1 yr	<input type="checkbox"/> (/ /) Lot No. ()	<input type="checkbox"/> (/ /) Lot No. ()	9 yrs	<input type="checkbox"/> (/ /) Lot No. ()	<input type="checkbox"/> (/ /) Lot No. ()
2 yrs	<input type="checkbox"/> (/ /) Lot No. ()	<input type="checkbox"/> (/ /) Lot No. ()	10 yrs	<input type="checkbox"/> (/ /) Lot No. ()	<input type="checkbox"/> (/ /) Lot No. ()
3 yrs	<input type="checkbox"/> (/ /) Lot No. ()	<input type="checkbox"/> (/ /) Lot No. ()	11 yrs	<input type="checkbox"/> (/ /) Lot No. ()	<input type="checkbox"/> (/ /) Lot No. ()
4 yrs	<input type="checkbox"/> (/ /) Lot No. ()	<input type="checkbox"/> (/ /) Lot No. ()	12 yrs	<input type="checkbox"/> (/ /) Lot No. ()	<input type="checkbox"/> (/ /) Lot No. ()
5 yrs	<input type="checkbox"/> (/ /) Lot No. ()	<input type="checkbox"/> (/ /) Lot No. ()	13 yrs	<input type="checkbox"/> (/ /) Lot No. ()	
6 yrs	<input type="checkbox"/> (/ /) Lot No. ()	<input type="checkbox"/> (/ /) Lot No. ()	14 yrs	<input type="checkbox"/> (/ /) Lot No. ()	
7 yrs	<input type="checkbox"/> (/ /) Lot No. ()	<input type="checkbox"/> (/ /) Lot No. ()	15 yrs	<input type="checkbox"/> (/ /) Lot No. ()	

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