

VACCINE SCHEDULING

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Vaccine Schedules

- Use the 2015 Recommended Schedules
 - Immunization Schedule for persons aged 0-18 years
 - Catch-up Schedule – start late or who are more than 1 month behind
- Footnotes are important
- Pink Book

ACIP Infant and Child Schedule

Protect your child right from the start.

Immunization is the single most important way parents can protect their children against serious diseases.

If your child misses a shot, you don't need to start over, just go back to your child's doctor for the next shot.

	Birth	2 Months	4 Months	6 Months	12-15 Months	15-18 Months	19-23 Months	4-6 Years	11-12 Years
Hepatitis B	✓	✓	✓*	✓					
Diphtheria, Tetanus, Pertussis (DTaP)		✓	✓	✓		✓		✓	
Haemophilus influenzae B (Hib)		✓	✓	✓	✓				
Poliiovirus (Polio)		✓	✓	✓				✓	
Pneumococcal Conjugate (PCV)		✓	✓	✓	✓				
Measles, Mumps, Rubella (MMR)					✓			✓	
Varicella (Chickpox)					✓			✓	
Hepatitis A					✓		✓		
Rotavirus (RV)		✓	✓	✓					
Tetanus, Diphtheria, Pertussis (Tdap)									✓
Meningococcal Conjugate (MCV)									✓
Human Papillomavirus (HPV)									✓
Influenza					Each flu season starting at 6 months. Children 6 months through 8 years old who receive a flu vaccine for the first time should be given two doses, four weeks apart.				

Some of these vaccines may be given in combination, meaning fewer shots.

* If not given at birth.

✓ Can be given as early as 12 months, if there is six months since third dose.

Missouri's immunization schedule is compatible with the current recommendations of the Advisory Committee on Immunization Practices (ACIP) of the Centers for Disease Control and Prevention (CDC), the American Academy of Pediatrics (AAP) and the American Academy of Family Physicians (AAFP). For more information, please call the Missouri Department of Health and Senior Services' Immunization Program at 800.219.3224 or visit www.health.mo.gov/immunizations.

Why use ACIP schedule?

- ❑ Body's immune system will respond best
- ❑ Protected at the earliest possible age
- ❑ Many vaccines need 3 or 4 doses with appropriate spacing
- ❑ No research has shown any other schedule to protect as well or be safer

What immunizations are required for school

- Current Vaccinations required for
 - Child care / preschool
 - Elementary school
 - Middle school
 - High school

- New required vaccines
 - Middle School
 - High School

Hepatitis B

- Infant's first dose can be administered either
 - Birth dose at hospital, or
 - Between 6 and 8 weeks of age

- Three dose series
 - First and second dose separated by at least 28 days
 - Second and third dose separated by at least eight weeks
 - First and third dose separated by at least 16 weeks
 - Infants should be at least 24 weeks of age for third dose

Diphtheria, Tetanus and Pertussis (DTaP)

- ❑ Four to five doses required for school entry
- ❑ Last dose must be given on or after the 4th birthday
- ❑ DTaP only licensed for infants and children under 7 years of age
- ❑ DT is available for children who cannot have the pertussis component

Measles, Mumps and Rubella (MMR)

- ❑ Two doses of MMR are required for children entering school
- ❑ Required for children kindergarten through 12th grade
- ❑ Dose one and two must be spaced at least 28 days apart

Varicella (Chickenpox)

- ❑ Two doses required for children kindergarten through 5th grade
 - ❑ Doses one and two should be spaced at least 28 days apart
 - ❑ Exempt if proof of disease from medical provider

- ❑ One dose required for children 6th through 10th grade
 - ❑ Recommended that all children have two doses of varicella vaccine
 - ❑ Exempt if proof of disease from medical provider

Polio (IPV)

- ❑ Three to four doses required for school entry
- ❑ Last dose on or after the 4th birthday
- ❑ Last dose of polio must be spaced at least 6 months from previous dose

ACIP Adolescent Schedule

Vaccines aren't just for infants!

Immunization is the single most important way parents can protect their children against serious diseases.

	7 - 10 Years	11 - 12 Years	13 - 18 Years
Tetanus, Diphtheria, Pertussis (Tdap)	✓	✓	✓
Meningococcal Conjugate (MCV4)		✓ (1 dose)	✓ (1 dose; Booster at 16)
Human Papillomavirus (HPV)		✓ (3 doses)	✓
Influenza	Every flu season! Children 6 months through 8 years old who receive a flu vaccine for the first time should be given two doses, four weeks apart.		
Hepatitis B	✓	✓	✓
Poliovirus (Polio)	✓	✓	✓
Measles, Mumps, Rubella (MMR)	✓	✓	✓
Varicella (Chickenpox)	✓	✓	✓
Hepatitis A	✓	✓	✓
Pneumococcal	Recommended for older children with certain medical conditions that place them at high risk.		

✓ Vaccine to be given if child is catching up on missed doses.

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Tetanus, Diphtheria and Pertussis (Tdap)

- ❑ Recommended for children 11 and older
- ❑ Required for all children in Missouri entering 8th grade
- ❑ Children who cannot have the pertussis component can receive Td vaccine instead

MCV Vaccine Information

- ❑ Meningococcal disease facts
- ❑ Recommendations for vaccinations
- ❑ Required vaccination for some colleges & universities
- ❑ Required vaccination for Missouri school attendance beginning 2016 - 2017

Meningococcal (MCV4)

- Protects against strains: A, C, Y and W-135

- Two dose series
 - 11 through 15 years of age
 - 16 years and older

- Required for the 2016-2017 school year
 - 8th grade entry
 - 12th grade entry

Meningococcal B (MenB)

- ❑ Provisional recommendation for children 16 years of age and older
- ❑ Outbreaks of meningococcal disease serogroup b
- ❑ Individuals with a higher risk of disease
 - Damaged spleen
 - Spleen removed
 - Sickle Cell Disease

Human Papillomavirus (HPV)

- ❑ Recommended for adolescents beginning at 11 years of age
- ❑ HPV4 and HPV9 can be administered to both boys and girls
- ❑ HPV2 can only be administered to girls
- ❑ Three dose series
- ❑ Any series started with HPV4 can be finished with HPV9

Human Papillomavirus (HPV)

- ❑ Protects against HPV Cancers
 - ❑ HPV types 16 and 18 causes
 - ❑ Cervical, oropharyngeal, anal and other genital cancers
- ❑ Vaccine is safe and effective
 - ❑ 85% effective against types 16 and 18
 - ❑ 90% effective against types 6 and 11
- ❑ Immune response is best at 11 to 12 years of age
- ❑ Protect before exposure

Clinical Case Studies

Determine the following information for the next few slides using today's date:

- ❑ Child's age (using today's date)
- ❑ Is the child current on vaccinations
- ❑ Recommended vaccines

Date of Birth 11/11/2010

DTaP	Polio	Hepatitis B	Hib	PCV13	Rota-virus	MMR
1/20/12	1/20/12	11/11/10	1/20/12	1/20/12	1/20/12	12/15/12
3/25/12	3/25/12	1/20/12	3/25/12	3/25/12	3/25/12	4/25/15
5/1/12	5/1/12	3/25/12	5/1/12	5/1/12	5/1/12	Varicella
4/25/15	4/25/15	5/1/12	4/25/15			12/15/12
						4/25/15
					HPV	Influenza
Tdap	Hepatitis A	MCV				
	4/25/15					

Date of Birth 7/30/2010

DTaP	Polio	Hepatitis B	HiB	PCV13	Rota- virus	MMR
9/30/10	9/30/10	7/30/10	7/30/10	9/30/10	9/30/10	7/30/12
7/30/12	7/30/12	8/30/10	7/30/12	8/14/12		12/2/15
12/2/15	12/2/15	9/30/10				Varicella
						8/14/12
						12/2/15
					HPV	Influenza
Tdap/ Td	Hepatitis A	MCV				
	12/2/15					

Date of Birth 8/12/2006

DTaP	Polio	Hepatitis B	Hib	PCV 13	Rota-virus	MMR
10/12/06	10/12/06	08/12/06	10/12/06			8/13/11
8/13/11	8/13/11	09/12/06				10/29/12
		10/12/06				Varicella
		8/13/11				8/13/11
						11/30/11
					HPV	Influenza
Tdap/ Td	Hepatitis A	MCV				8/13/11
	8/13/11					10/29/15

Date of Birth 11/15/2002

DTaP	Polio	Hepatitis B	Hib	PCV 13	Rota-virus	MMR
01/18/03	01/18/03	11/15/02	01/18/03			11/30/03
03/18/03	03/18/03	01/18/03	03/18/03			01/22/07
05/20/03	05/20/03	03/18/03	11/30/03			Varicella
11/30/03	01/22/07	05/20/03				01/22/07
01/22/07						
					HPV	Influenza
Tdap/ Td	Hepatitis A	MCV				11/30/03
	01/22/07					01/05/04
						01/22/07

Date of birth 1/15/2001

DTaP	Polio	Hepatitis B	HiB	PCV13	Rotavirus	MMR
8/31/02	8/31/02	1/15/01	8/31/02	8/31/02		8/31/02
12/15/02	12/15/02	8/31/02				12/7/08
3/2/03	3/2/03	3/2/03				Varicella
	12/7/08					
					HPV	Influenza
Tdap/Td	Hepatitis A	MCV				
Td 12/7/08						

Date of Birth 12/10/2002

DTaP	Polio	HepatitisB	HiB	PCV13	Rotavirus	MMR
2/10/03	2/10/03	12/10/02	2/10/03			3/10/07
4/10/03	4/10/03	2/10/03	4/10/03			1/11/04
6/25/03	6/25/03	4/10/03	6/25/03			Varicella
3/10/07	3/10/07	6/25/03				1/11/04
					HPV	Influenza
Tdap/Td	Hepatitis A	MCV				
02/10/14						

Date of Birth 4/25/2004

DTaP	Polio	Hepatitis B	HiB	PCV13	Rotavirus	MMR
6/25/04	6/25/04	4/25/04	6/25/04			5/5/05
8/31/04	8/31/04	6/25/04	8/31/04			5/25/08
2/25/04	2/25/04	8/31/04	5/5/05			Varicella
5/5/05	5/25/08	2/25/04				5/5/05
5/25/08						
					HPV	Influenza
Tdap/Td	Hepatitis A	MCV				
Td 4/1/09						

Date of Birth 7/31/1999

DTaP	Polio	Hepatitis B	HiB	PCV	Rotavirus	MMR
9/25/99	9/25/99	7/31/99	9/25/99			10/3/03
11/20/99	11/20/99	11/20/99	11/20/99			11/3/03
02/10/00	2/10/00	2/10/00	10/3/03			Varicella
10/3/03	10/3/03					10/3/03
						2/4/04
					HPV	Influenza
Tdap/Td	Hepatitis A	MCV			8/2/15	
7/31/12	8/2/15	8/2/15			10/2/15	
					12/4/15	

Date of birth 8/1/2000

DTaP	Polio	Hepatitis B	HiB	PCV	Rotavirus	MMR
12/1/00	12/1/00	8/1/00	12/1/00	12/1/00		10/2/01
10/2/01	10/2/01	12/1/00	10/2/01	10/2/01		8/1/04
8/1/04	8/1/04	10/2/01				Varicella
						10/2/01
						8/1/04
					HPV	Influenza
Tdap/Td	Hepatitis A	MCV			8/1/13	
Td 10/14/05	10/2/01	12/15/14			12/15/14	
Tdap 8/1/13	8/1/04					

Immunization Exemptions

- ❑ Medical Exemption
 - ❑ Available for daycare/ preschool and school
 - ❑ File only once

- ❑ Parental Exemption
 - ❑ Available for daycare only
 - ❑ Renewed annually

- ❑ Religious Exemption
 - ❑ Available for school
 - ❑ File only once

Who carries exemptions

- ❑ Local Public Health Agencies
- ❑ Physician Office
- ❑ School Nurses

Addressing Exemptions

Make sure parent/ guardian understands the risks of not vaccinating:

- ❑ Inform
- ❑ Be aware
- ❑ Know
- ❑ Document refusal

Questions?

Contact information:

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