

IMMUNIZATION SCHEDULE FOR CHILDREN

Figure 1. Recommended immunization schedule for persons aged 0 through 18 years - United States, 2014

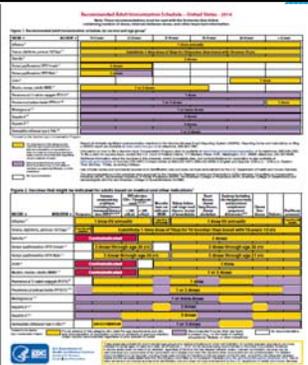
Vaccine	Birth	1-2 mo	3-5 mo	6-11 mo	12-15 mo	16-18 mo	19-23 mo	2-4 yrs	4-6 yrs	11-12 yrs	16-18 yrs
Hepatitis B (HepB)	1	2	3								
Diphtheria, tetanus, and acellular pertussis (DTaP)		1	2	3	4	5					
Poliovirus (IPV)		1	2	3	4	5					
Measles, mumps, and rubella (MMR)					1	2					
MMR2											
MMRV											
MMRV2											
MMRV2 + Hib											
Hib (diphtheria, tetanus, acellular pertussis, and Hib conjugate)											
Hib (diphtheria, tetanus, acellular pertussis, and Hib conjugate) - 4th dose											
MMRV2 + Hib											
MMRV2 + Hib (4th dose)											
MMRV2 + Hib (5th dose)											
MMRV2 + Hib (6th dose)											
MMRV2 + Hib (7th dose)											
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MMRV2 + Hib (25th dose)											
MMRV2 + Hib (26th dose)											
MMRV2 + Hib (27th dose)											
MMRV2 + Hib (28th dose)											
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MMRV2 + Hib (30th dose)											
MMRV2 + Hib (31st dose)											
MMRV2 + Hib (32nd dose)											
MMRV2 + Hib (33rd dose)											
MMRV2 + Hib (34th dose)											
MMRV2 + Hib (35th dose)											
MMRV2 + Hib (36th dose)											
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MMRV2 + Hib (92nd dose)											
MMRV2 + Hib (93rd dose)											
MMRV2 + Hib (94th dose)											
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MMRV2 + Hib (96th dose)											
MMRV2 + Hib (97th dose)											
MMRV2 + Hib (98th dose)											
MMRV2 + Hib (99th dose)											
MMRV2 + Hib (100th dose)											

2014 CATCH-UP PEDIATRIC SCHEDULE

FIGURE 1. Catch-up immunization schedule for persons aged 0 months through 18 years who are late or who are more than 1 month behind - United States, 2014

Vaccine	Age	Number of doses	Interval between doses	Notes
Hepatitis B (HepB)	0-18 months	3	1 month apart	1st dose at birth, 2nd at 1-2 months, 3rd at 6-18 months
Diphtheria, tetanus, and acellular pertussis (DTaP)	0-18 months	5	2-3 months apart	1st dose at 2-6 months, 2nd at 4-6 months, 3rd at 12-15 months, 4th at 18-24 months, 5th at 4-6 years
Poliovirus (IPV)	0-18 months	4	4-8 weeks apart	1st dose at 12 weeks, 2nd at 14 weeks, 3rd at 18-24 months, 4th at 4-6 years
Measles, mumps, and rubella (MMR)	12-15 months	2	3-5 years apart	1st dose at 12-15 months, 2nd at 4-6 years
MMR2	4-6 years	1	-	1st dose at 4-6 years
MMRV	12-15 months	1	-	1st dose at 12-15 months
MMRV2	4-6 years	1	-	1st dose at 4-6 years
Hib (diphtheria, tetanus, acellular pertussis, and Hib conjugate)	12-15 months	1	-	1st dose at 12-15 months
Hib (diphtheria, tetanus, acellular pertussis, and Hib conjugate) - 4th dose	18-24 months	1	-	1st dose at 18-24 months
Hib (diphtheria, tetanus, acellular pertussis, and Hib conjugate) - 5th dose	4-6 years	1	-	1st dose at 4-6 years
Hib (diphtheria, tetanus, acellular pertussis, and Hib conjugate) - 6th dose	12-15 months	1	-	1st dose at 12-15 months
Hib (diphtheria, tetanus, acellular pertussis, and Hib conjugate) - 7th dose	18-24 months	1	-	1st dose at 18-24 months
Hib (diphtheria, tetanus, acellular pertussis, and Hib conjugate) - 8th dose	4-6 years	1	-	1st dose at 4-6 years
Hib (diphtheria, tetanus, acellular pertussis, and Hib conjugate) - 9th dose	12-15 months	1	-	1st dose at 12-15 months
Hib (diphtheria, tetanus, acellular pertussis, and Hib conjugate) - 10th dose	18-24 months	1	-	1st dose at 18-24 months
Hib (diphtheria, tetanus, acellular pertussis, and Hib conjugate) - 11th dose	4-6 years	1	-	1st dose at 4-6 years
Hib (diphtheria, tetanus, acellular pertussis, and Hib conjugate) - 12th dose	12-15 months	1	-	1st dose at 12-15 months
Hib (diphtheria, tetanus, acellular pertussis, and Hib conjugate) - 13th dose	18-24 months	1	-	1st dose at 18-24 months
Hib (diphtheria, tetanus, acellular pertussis, and Hib conjugate) - 14th dose	4-6 years	1	-	1st dose at 4-6 years
Hib (diphtheria, tetanus, acellular pertussis, and Hib conjugate) - 15th dose	12-15 months	1	-	1st dose at 12-15 months
Hib (diphtheria, tetanus, acellular pertussis, and Hib conjugate) - 16th dose	18-24 months	1	-	1st dose at 18-24 months
Hib (diphtheria, tetanus, acellular pertussis, and Hib conjugate) - 17th dose	4-6 years	1	-	1st dose at 4-6 years
Hib (diphtheria, tetanus, acellular pertussis, and Hib conjugate) - 18th dose	12-15 months	1	-	1st dose at 12-15 months
Hib (diphtheria, tetanus, acellular pertussis, and Hib conjugate) - 19th dose	18-24 months	1	-	1st dose at 18-24 months
Hib (diphtheria, tetanus, acellular pertussis, and Hib conjugate) - 20th dose	4-6 years	1	-	1st dose at 4-6 years
Hib (diphtheria, tetanus, acellular pertussis, and Hib conjugate) - 21st dose	12-15 months	1	-	1st dose at 12-15 months
Hib (diphtheria, tetanus, acellular pertussis, and Hib conjugate) - 22nd dose	18-24 months	1	-	1st dose at 18-24 months
Hib (diphtheria, tetanus, acellular pertussis, and Hib conjugate) - 23rd dose	4-6 years	1	-	1st dose at 4-6 years
Hib (diphtheria, tetanus, acellular pertussis, and Hib conjugate) - 24th dose	12-15 months	1	-	1st dose at 12-15 months
Hib (diphtheria, tetanus, acellular pertussis, and Hib conjugate) - 25th dose	18-24 months	1	-	1st dose at 18-24 months
Hib (diphtheria, tetanus, acellular pertussis, and Hib conjugate) - 26th dose	4-6 years	1	-	1st dose at 4-6 years
Hib (diphtheria, tetanus, acellular pertussis, and Hib conjugate) - 27th dose	12-15 months	1	-	1st dose at 12-15 months
Hib (diphtheria, tetanus, acellular pertussis, and Hib conjugate) - 28th dose	18-24 months	1	-	1st dose at 18-24 months
Hib (diphtheria, tetanus, acellular pertussis, and Hib conjugate) - 29th dose	4-6 years	1	-	1st dose at 4-6 years
Hib (diphtheria, tetanus, acellular pertussis, and Hib conjugate) - 30th dose	12-15 months	1	-	1st dose at 12-15 months
Hib (diphtheria, tetanus, acellular pertussis, and Hib conjugate) - 31st dose	18-24 months	1	-	1st dose at 18-24 months
Hib (diphtheria, tetanus, acellular pertussis, and Hib conjugate) - 32nd dose	4-6 years	1	-	1st dose at 4-6 years
Hib (diphtheria, tetanus, acellular pertussis, and Hib conjugate) - 33rd dose	12-15 months	1	-	1st dose at 12-15 months
Hib (diphtheria, tetanus, acellular pertussis, and Hib conjugate) -				

### IMMUNIZATION SCHEDULE FOR ADULTS




### IMMUNIZATIONS FOR SCHOOL



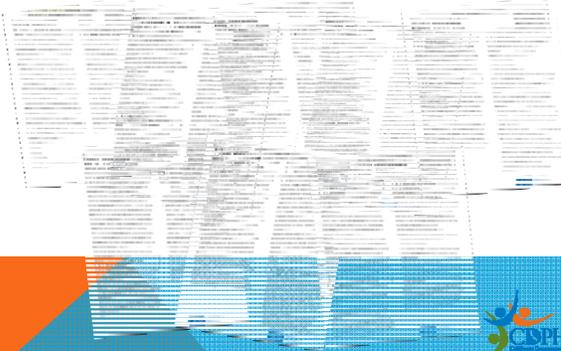

### BEFORE YOU GIVE IMMUNIZATIONS



- Introduce yourself
- Explain what you will be doing
- Make sure the parent and patient are comfortable
- If parent has questions, let them talk to the provider




### VACCINE INFORMATION STATEMENTS




### PATIENT SCREENING

- Insurance/VFC eligible
- Vaccine history
- Contraindications



### SCOPE OF MEDICAL ASSISTANTS & IMMUNIZATIONS

- MAs work under the license of the MD, PA, or NP
- Vaccine orders must be written, never verbal
- Give only immunizations ordered by licensed medical staff
- Licensed medical staff must be in the building when you give shots
- Report mistakes immediately






### IMMUNIZATION SUPPLIES



**SAFETY SYRINGES**



**ALCOHOL PREP PADS**



**BANDAGES**



**PRE-FILLED SYRINGES AND SAFETY NEEDLES**



**SHARPS DISPOSAL CONTAINER**



**GLOVES (OPTIONAL - OR USE PER FACILITY POLICY)**



### VACCINE SAFETY



**7 RIGHTS FOR MEDICATION ADMINISTRATION**

1. RIGHT PATIENT

2. RIGHT MEDICATION

3. RIGHT TIME

4. RIGHT DOSE

5. RIGHT ROUTE

6. RIGHT SITE

7. RIGHT DOCUMENTATION



### VACCINE ORDERS

- Provider writes vaccine orders
- CAIR Route Slip may be used
- Can be part of Progress Note or a separate page
- Make sure you can read and understand them
- If you have questions, ask!






### WASH YOUR HANDS



ALCOHOL BASED HAND SANITIZER

- Before preparing vaccines
- Before and after patient contact



Wash for at least 15 seconds



### SAFETY ENGINEERED SYRINGES & NEEDLES




- Designed to decrease needle sticks
- Required by OSHA
- Be familiar with the different types
- Make sure you know how to use the ones in your office
- Report all needle sticks



### MANUFACTURER-FILLED SYRINGES












### RECONSTITUTING VACCINE

DILUENT







VACCINE



### SITE MAPS

**Immunization Site Map**



**Immunization Site Map**





### NO IMMUNIZATIONS BACK HERE!





### COMFORT MEASURES



**INVOLVE PARENTS AND PATIENTS BEFORE, DURING AND AFTER SHOTS!**



### COMFORTING RESTRAINT







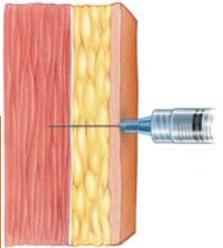
### PREPARING THE INJECTION SITE



- IDENTIFY THE INJECTION SITE
- CLEAN THE INJECTION SITE WITH ALCOHOL
- LET IT DRY



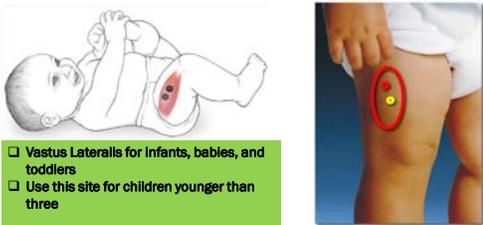
### INTRAMUSCULAR (IM) INJECTIONS



- 1" LENGTH
- 23- or 25-GAUGE NEEDLE
- INSERT ENTIRE NEEDLE AT 90 DEGREES



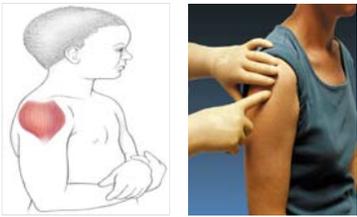
### INTRAMUSCULAR (IM) SHOTS FOR BABIES AND TODDLERS



- Vastus Lateralis for infants, babies, and toddlers
- Use this site for children younger than three



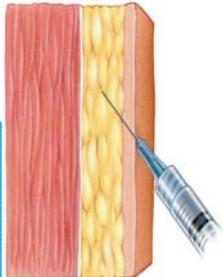
### INTRAMUSCULAR (IM) SHOTS FOR ADOLESCENTS AND ADULTS



- Deltoid for anyone older than three
- The deltoid is three fingers below acromion process



### SUBCUTANEOUS (SC) INJECTIONS

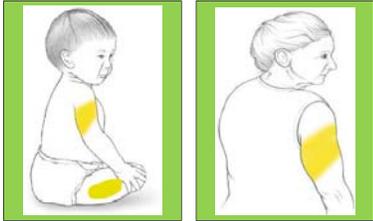


- 5/8" LENGTH
- 25-GAUGE NEEDLE
- INSERT ENTIRE NEEDLE AT 45 DEGREES



### SUBCUTANEOUS (SC) SHOTS FOR CHILDREN AND ADULTS

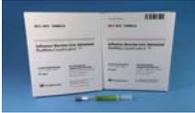
- Upper leg for children
- Upper, outer arm for older children and adults




### ORAL VACCINES




### NASAL VACCINE









### PROPER DISPOSAL







### AFTER THE VACCINES








### DOCUMENTATION

CSPH Patient Immunization History

Age	Group	Req	Start Date	Age	Provider	Status
12/11/2014	1	1	12/11/2014	12/11/2014	Dr. David Jones	Completed
12/11/2014	2	1	12/11/2014	12/11/2014	Dr. David Jones	Completed
12/11/2014	3	1	12/11/2014	12/11/2014	Dr. David Jones	Completed
12/11/2014	4	1	12/11/2014	12/11/2014	Dr. David Jones	Completed
12/11/2014	5	1	12/11/2014	12/11/2014	Dr. David Jones	Completed
12/11/2014	6	1	12/11/2014	12/11/2014	Dr. David Jones	Completed
12/11/2014	7	1	12/11/2014	12/11/2014	Dr. David Jones	Completed
12/11/2014	8	1	12/11/2014	12/11/2014	Dr. David Jones	Completed
12/11/2014	9	1	12/11/2014	12/11/2014	Dr. David Jones	Completed
12/11/2014	10	1	12/11/2014	12/11/2014	Dr. David Jones	Completed

Immunization Record and History

Age	Group	Req	Start Date	Age	Provider	Status
12/11/2014	1	1	12/11/2014	12/11/2014	Dr. David Jones	Completed
12/11/2014	2	1	12/11/2014	12/11/2014	Dr. David Jones	Completed
12/11/2014	3	1	12/11/2014	12/11/2014	Dr. David Jones	Completed
12/11/2014	4	1	12/11/2014	12/11/2014	Dr. David Jones	Completed
12/11/2014	5	1	12/11/2014	12/11/2014	Dr. David Jones	Completed
12/11/2014	6	1	12/11/2014	12/11/2014	Dr. David Jones	Completed
12/11/2014	7	1	12/11/2014	12/11/2014	Dr. David Jones	Completed
12/11/2014	8	1	12/11/2014	12/11/2014	Dr. David Jones	Completed
12/11/2014	9	1	12/11/2014	12/11/2014	Dr. David Jones	Completed
12/11/2014	10	1	12/11/2014	12/11/2014	Dr. David Jones	Completed



### DOCUMENTING COMBINATION VACCINES

Age	Group	Req	Start Date	Age	Provider	Status
12/11/2014	1	1	12/11/2014	12/11/2014	Dr. David Jones	Completed
12/11/2014	2	1	12/11/2014	12/11/2014	Dr. David Jones	Completed
12/11/2014	3	1	12/11/2014	12/11/2014	Dr. David Jones	Completed
12/11/2014	4	1	12/11/2014	12/11/2014	Dr. David Jones	Completed
12/11/2014	5	1	12/11/2014	12/11/2014	Dr. David Jones	Completed
12/11/2014	6	1	12/11/2014	12/11/2014	Dr. David Jones	Completed
12/11/2014	7	1	12/11/2014	12/11/2014	Dr. David Jones	Completed
12/11/2014	8	1	12/11/2014	12/11/2014	Dr. David Jones	Completed
12/11/2014	9	1	12/11/2014	12/11/2014	Dr. David Jones	Completed
12/11/2014	10	1	12/11/2014	12/11/2014	Dr. David Jones	Completed





### BE PREPARED FOR EMERGENCIES









### VAERS & VERP

#### VAERS

**Vaccine Adverse Event Reporting System (VAERS)**

- Report side effects and outcomes
- Give patient and provider names
- Type of facility
- Vaccine information
- Online, fax, and mail

#### ISMP Vaccine Error Reporting Program (VERP)

**Vaccine Error Reporting Program (VERP)**

- Report wrong vaccine/patient/dose/etc.
- Type of facility
- Type of practitioner
- Confidential
- Online only



### YOU CAN MAKE A DIFFERENCE!

