

CDC Immunization Resources for Providers

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and Respiratory Diseases

April 2014

The Best Resource

- **Knowledgeable immunization staff are critical**
 - Storing and handling vaccines properly
 - Assessing the immunization status of patients correctly
 - Educating patients and their families
 - Administering vaccines safely
 - Screening for contraindications and precautions
 - Preparing vaccines correctly
 - Ensuring the correct route, site, and technique
 - Documenting administered vaccines accurately
 - Medical chart
 - Immunization Information System
 - Patient's vaccine administration record

Immunization Twitter

@CDCIZlearn

is a leading source for healthcare providers on immunization training, recommendations, and information across the lifespan



Tweets



CDC IZ Learn @CDCIZLearn · 5 hrs
#CDC talks 2014 childhood & adolescent imz schedules and adult imz recs & practice standards: 1.usa.gov/1kiwxtz

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Dr. Tom Frieden @DrFriedenCDC · Mar 27
South East Asia Region just declared polio-free! Wonderful tribute to global collaboration and front-line work. Now just two regions to go.

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CDC IZ Learn @CDCIZLearn · Mar 26
Children traveling internationally-even those under 1yr-need MMR! See recs for #vax before & after travel. 1.usa.gov/

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CDC IZ Learn @CDCIZLearn · Mar 25
Get CE credits for #CDC presentation IZ resources. 4/2/14. 1.usa.gov/1jn1W

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CDC IZ Learn @CDCIZLearn · Mar 24
Patient w/ fever & rash? Keep #meas Philippines. 1.usa.gov/1dHyLih

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CDC IZ Learn @CDCIZLearn · Mar 21
Learn more about #vaccine administr video: bit.ly/NzSitS

[View media](#)



CDC IZ Learn @CDCIZLearn · Mar 19
Vaccinate children on time for best protection from disease: CDC's Dr. Andrew Kroger in @Immunize_USA blog. bit.ly/1IPBoDJ

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CDC IZ Learn
@CDCIZLearn

Brush up on best practices for #vaccine storage & handling. Get CDC's toolkit here: 1.usa.gov/1d2m7u4

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8:46 AM - 19 Mar 2014

Vaccine Storage and Handling

Vaccines and Immunizations Home

Immunization Schedules

Recommendations and Guidelines

Advisory Committee on Immunization Practices (ACIP)

► Vaccine Storage & Handling

Vaccine Administration

Recalled Vaccines

Reminder Systems and Strategies for Increasing Vaccination Rates

Vaccines & Preventable Diseases

Basics and Common Questions

Vaccination Records

Vaccine Safety and Adverse Events

For Travelers

For Specific Groups of People

Campaign Materials

Publications

[Vaccines and Immunizations Home](#) > [Recommendations and Guidelines](#)

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Vaccine Storage and Handling

Recommendations and Guidelines

At a Glance

Proper vaccine storage and handling practices play a very important role in protecting individuals and communities from vaccine-preventable diseases.

Vaccine quality is the shared responsibility of everyone, from the time vaccine is manufactured until it is administered.



Resources on Proper Vaccine Storage and Handling

- [Vaccine Storage and Handling Toolkit](#) is a **comprehensive resource** for providers on vaccine storage and handling recommendations and best practice strategies. It includes considerations for equipment both storage units and thermometers, strategies for maintaining the cold chain, routine storage and handling practices, inventory management and emergency procedures for protecting vaccine inventories. *NEW Nov 2012*

Note: The Vaccine Storage and Handling Guide has become outdated and will not be updated. Please consult the [FDA's package inserts](#) found easily on the IAC website. *Feb 2013*

- [Interim Storage and Handling Guidance](#) *Oct 2012*

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 **Medscape**
from IACIMD



Running Time: 5:07 mins
Date Released: 06/27/2011

**CDC Commentary -
Make No Mistake:
Vaccine
Administration,
Storage, and
Handling**

Dr. Andrew Kroger offers 7 steps to help prevent vaccine administration errors

www.cdc.gov/vaccines/recs/storage/default.htm

Vaccine Storage & Handling TOOLKIT

November | 2012



Centers for Disease
Control and Prevention
National Center for Immunization
and Respiratory Diseases

www.cdc.gov/vaccines/recs/storage/toolkit/storage-handling-toolkit.pdf

Vaccine Storage and Handling Toolkit

- Contents are based on:
 - Recommendations of the Advisory Committee on Immunization Practices (ACIP)
 - Manufacturer's product information
 - Studies from the National Institute for Standards and Technology (NIST)
- The toolkit outlines best practice strategies and recommendations on:
 - Equipment considerations for storage units and thermometers
 - Maintaining the cold chain
 - Routine storage and handling practices
 - Inventory management
 - Emergency procedures for protecting vaccine inventories

Vaccine Label Examples

Diphtheria toxoid – Tetanus toxoid - and acellular Pertussis-Containing Vaccines

DTaP

Ages: 6 weeks through 6 years
Use for: Any dose in the series
Route: Intramuscular (IM) injection

DTaP-IPV (KINRIX)

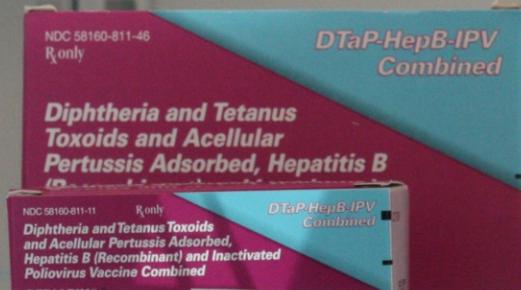
Ages: 4 years through 6 years
Use for: DTaP dose #5
IPV dose #4
Route: Intramuscular (IM) injection

DTaP-IPV-HepB (Pediatrix)

Ages: 6 weeks through 6 years
Use for: DTaP & IPV: Doses 1, 2, and/or 3
HepB: Any dose in series
Do NOT use for the HepB birth dose
Route: Intramuscular (IM) injection

DTaP-IPV/Hib (Pentacel)

Ages: 6 weeks through 4 years
Use for: DTaP & IPV Doses 1, 2, 3, and/or 4
Hib: Any dose in the series
Route: Intramuscular (IM) injection
Reconstitute before using
ONLY use the manufacturer supplied diluent
Beyond Use Time: Store appropriately and use within 30 minutes of reconstitution



DTaP-IPV-HepB (Pediarix)

Ages: 6 weeks through 6 years
Use for: DTaP & IPV: Doses 1, 2, and/or 3
HepB: Any dose in series
Do NOT use for the HepB birth dose
Route: Intramuscular (IM) injection



RV5 (RotaTeq)

Ages: 6 weeks up to 8 months 0 days
Maximum age for 1st dose is 14 weeks 6 days
Route: Oral (PO)
Do NOT inject

Vaccines and Immunizations Home

Immunization Schedules

Recommendations and Guidelines

Vaccines & Preventable Diseases

Basics and Common Questions

Vaccination Records

Vaccine Safety and Adverse Events

For Travelers

For Specific Groups of People

Campaign Materials

Publications

News and Media Resources

Calendars and Events

► Education and Training

Immunization Courses

NetConferences

[Vaccines and Immunizations Home](#)

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Education & Training

For Health Professionals

On this Page

- [Immunization Courses](#)
(includes broadcasts, webcasts, and self study)
- [Epidemiology & Prevention of Vaccine-Preventable Diseases course](#)
- [NetConferences](#)
- [Curriculum Brochure](#)
- [On-Site Training](#)
(courses conducted by CDC Trainers)
- [Podcasts](#)

See also: [Patient Education Resources](#)

Immunization Courses



Immunization courses are offered in several formats: broadcasts, webcasts, DVD, CD ROM, and web-based. Most are free of charge. [Continuing Education](#) (CE) is available for some of these products.

For each program, you'll find all print materials for courses (including slides), broadcast scripts, updates, and resources. Details include registration, course description and objectives, faculty, continuing

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Vaccine
Administration,
Storage, and
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Dr. Andrew Kroger
offers 7 steps to help
prevent vaccine
administration errors
and vaccine storage
and handling errors.

Immunization: You Call The Shots

Vaccines and Immunizations Home

Immunization Schedules

Recommendations and Guidelines

Vaccines & Preventable Diseases

Basics and Common Questions

Vaccination Records

Vaccine Safety and Adverse Events

For Travelers

For Specific Groups of People

Campaign Materials

Publications

News and Media Resources

Calendars and Events

Education and Training

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NetConferences

On-Site Training

Podcasts

Patient Education

[Vaccines and Immunizations Home](#) > [Education and Training](#)

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You Call The Shots

Web-based Training Course

At a Glance

This product was developed through the Project to Enhance Immunization Content in Nursing Education and Training, which is supported by funding from the National Center for Immunization and Respiratory Diseases (NCIRD) of the Centers for Disease Control and Prevention (CDC), through a Cooperative Agreement with the [Association for Prevention Teaching and Research](#).



Need Continuing Education or a Certificate of Participation?

After viewing the video, participants can go to CDC's online learning system at www.cdc.gov/tceonline/ to register for and obtain CE credit. General instructions are available in the [CE How-to Guide](#).

Now Available

- [Vaccine Storage and Handling-2014](#) **JAN 2014**
Scroll to bottom of page and click "continue" to start program
- [Vaccines For Children \(VFC\)-2014](#) **JAN 2014**
Scroll to bottom of page and click "continue" to start program
- [Hepatitis A](#) **Mar 2013**
- [Understanding the Basics: General Recommendations on Immunization](#) **Oct 2012**

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 Centers for Disease Control and Prevention
1600 Clifton Rd
Atlanta, GA 30333

 800-CDC-INFO 
(800-232-4636) 

TTY:
(888) 232-6348 

[Contact CDC-INFO](#)

www.cdc.gov/vaccines/ed/youcalltheshots.htm

Immunization
You Call the Shots

Comments Glossary Exit Back Next

Influenza

> Objectives

> About Influenza

> About Influenza Vaccine

> Indications for Vaccination

> Contraindications and Precautions to Vaccination

> Use of the VIS
"INACTIVATED INFLUENZA VACCINE: What you need to know" and "LIVE, INTRANASAL INFLUENZA VACCINE: What you need to know"

> Vaccine Storage and Handling

> Vaccine Administration

> Adverse Reactions Following Vaccination

> Resources

Objectives

At the conclusion of the session, the participant will be able to accomplish the following:

Immunization
You Call the Shots

Comments Glossary Exit Back Next

Vaccine Storage and Handling

> Objectives

> Introduction

> Storage and Handling Plans

> Staff

> Storage and Temperature Monitoring Equipment

> Storage and Handling Best Practices

> Inventory Management

> Resources

Objectives

By completion of this module - Vaccine Storage and Handling - the learner will be able to:

Immunization
You Call the Shots

Comments Glossary Exit Back Next

Vaccines for Children

> Objectives

> Overview

> Provider Enrollment

> Eligibility

> ACIP's Role in the VFC Program

> Record Maintenance

> Supplied Vaccine

> Vaccine Borrowing

> Vaccine Information Statements

> Storage and Handling

> Vaccine Management

> Compliance Site Visits and Provider Education

> Fraud and Abuse

> Resources

Vaccines for Children

Click Here to Continue

HPV Vaccine Resources for Healthcare Professionals



HPV Vaccine is Cancer Prevention

Overview

Tools for Your Practice

Handouts to Give to Patients & Parents



Resource Spotlight



Overview

Tools for Your Practice

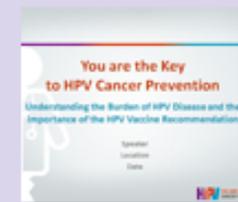
Handouts to Give to Patients & Parents



Watch a short video to remind you why YOU are the key to preventing HPV-related cancers. [5:35 mins]

- HPV is so common that almost everyone will be infected with HPV at some point in their lives; however most people will never know they have been infected.
- HPV exposure can occur with any type of intimate sexual contact.
- In the U.S., HPV causes about 17,000 cancers in women, and about 9,000 cancers in men each year.

Resource Spotlight



Understanding the Burden of HPV-Related Cancers

[Click to request by email](#) this slide presentation, which you can customize for your audience.



Tips for Talking to Parents about HPV Vaccine  [1 page]

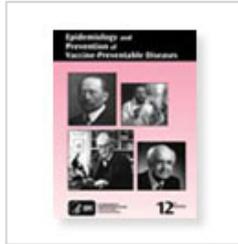
HPV Vaccine is Cancer Prevention

Overview

Tools for Your Practice

Handouts to Give to Patients & Parents

HPV Specific Resources for Healthcare Providers



[**"The Pink Book" HPV Chapter**](#)



[**HPV Vaccine Clinician Fact Sheet**](#)



[**HPV Portal**](#)



[**HPV Vaccine Can't Wait**](#)

Medscape Materials



[**Medscape HPV Vaccine**](#)



[**Medscape Back to School Vaccines**](#)



[**HPV Vaccine Now Recommended for Boys and Young Men**](#)



[**Recommending HPV Vaccine Successfully**](#)

Resources for the Full Adolescent Immunization Platform



www.cdc.gov/vaccines/who/teens/for-hcp/hpv-resources.html



Vaccines & Immunizations

Immunization Courses

Get continuing ed credit with CDC online courses

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In the Spotlight

- Noninfluenza Vaccination Coverage Among Adults – United States, 2012, MMWR (Feb 7)
- 2014 Adult Immunization Schedules (Feb 3)
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Vaccines & Immunizations Topics

Immunization Schedules

Schedules for providers, easy-to-read schedules, instant scheduler for children up to 6 years old, catch-up immunization scheduler tool, adolescent & adult quiz (11 yrs & up), adult immunization scheduler tool ...more

Vaccines in the United States

Vaccine shortages and delays, questions answered about vaccines, who should not be vaccinated, potential new vaccines,

http://www.cdc.gov?url=http%3A/www.cdc.gov/vaccines/default...

Email This Page From CDC.gov

Document Title: Vaccines: HOME page for Vaccines and Immunizations site
http://www.cdc.gov/vaccines/default.htm

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Vaccine Information for Parents



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Health Care Professionals

NEW FEB 2013

Other CDC Vaccines and Immunization Resources

➤ Questions? E-mail CDC

- **Providers**

nipinfo@cdc.gov

- Parents and patients

www.cdc.gov/cdcinfo

➤ Website

www.cdc.gov/vaccines

➤ Influenza

www.cdc.gov/flu

➤ Vaccine Safety

www.cdc.gov/vaccinesafety