

**Influenza Vaccines:
Recommendations of the
Centers for Disease Control
and Prevention and the
Advisory Committee on
Immunization Practices**

**Satellite Conference and Live Webcast
Tuesday, August 14, 2012
1:00 – 2:00 p.m. Central Time**

**Produced by the Alabama Department of Public Health
Video Communications and Distance Learning Division**

Faculty

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Objectives

- **By the end of this program the participants will be able to:**
 - **Verbalize the circulating strains for the 2012-2013 influenza season**
 - **Define the recommended age groups to receive the influenza vaccine**

Objectives

- **Define the high-risk populations recommended to receive the influenza vaccine**
- **Ensure vaccines are handled, stored and administered properly**
- **Provide patient education for prevention and control of influenza**

Objectives

- **Be familiar with and be able to properly document all required information**

**According to the CDC,
the Single Best Way
to Prevent the Flu
Is to Get an
Influenza Vaccine
Each Season**

There Are Two Types of Flu Vaccines

- “Flu shots”
 - Inactivated vaccines (containing killed virus) that are given with a needle

There Are Two Types of Flu Vaccines

- There are three flu shots being produced for the United States market
 1. Regular seasonal flu shot
 - “Intramuscular” which means it is injected into muscle
 - Usually in the upper arm

There Are Two Types of Flu Vaccines

- Has been used for decades
- Approved for use in people 6 months of age and older, including healthy people, people with chronic medical conditions, and pregnant women

There Are Two Types of Flu Vaccines

2. A hi-dose vaccine for people 65 and older
 - Intramuscular
 - First made available during the 2010-2011 season

There Are Two Types of Flu Vaccines

3. An intradermal vaccine for people 18 to 64 years of age
 - Injected with a needle into the “dermis” or skin
 - Made available for the first time during the 2011-2012 season

There Are Two Types of Flu Vaccines

- The nasal-spray flu vaccine
 - A vaccine made with live, weakened flu viruses that is given as a nasal spray
 - Sometimes called LAIV for “Live Attenuated Influenza Vaccine”

There Are Two Types of Flu Vaccines

- The viruses in the nasal spray vaccine do not cause the flu
- LAIV is approved for use in healthy people 2 to 49 years of age who are not pregnant

Basic Infection Control Practices

- Cover your cough / sneeze
- Wash hands with soap and water
- Properly dispose of tissue in garbage
- Stay away from crowded areas when sick / fever

Administration / Preparation

- Q-sheet (questionnaire)
- IMM-66 (permission slip)
 - Provide the Imm 66P for pregnant women
 - This is the pregnant information sheet, (located in the ADPH document library)

Administration / Preparation

- Handwashing / sanitize or gloves
- Can draw medication and inject with same syringe
 - No need to change needle unless contaminated or damaged
- 0.25ml IM 6- 35 months anterolateral thigh

Administration / Preparation

- 0.5ml IM, Deltoid Muscle
 - Ages 3 years and older
- 22-25 g, 1-1½" needle

The Seven Rights of Medication Administration

- The "Rights of Medication Administration" should be applied to each encounter when vaccines are administered
- These rights include:
 1. The right patient
 2. The right vaccine or diluent

The Seven Rights of Medication Administration

3. The right time

- Includes administering at the correct age, the appropriate interval, and before vaccine or diluent expires

4. The right dosage

The Seven Rights of Medication Administration

5. The right route, needle length, and technique

6. The right site

7. The right documentation

MDV Vaccines

- Use until expiration date on vial or date otherwise stated on the manufacturer's product information
- Rotate stock so the vaccine with the earliest expiration date is used first
- Do not store vaccine in refrigerator with food or other items

VAERS

- Vaccine Adverse Event Reporting System
- Report patients complaints after receiving the vaccine
- Three ways to report:
 - Online
 - www.vaers.org

VAERS

– Fax

- 1 – 877 – 721 – 0366

– Mail

- PO Box 1100
Rockville, MD 20849-1100

Intranasal

- Intranasal (NAS) Route
 - The live attenuated influenza vaccine (LAIV, FluMist) is currently the only vaccine administered by the nasal route
 - The vaccine dose (0.2 mL) is inside a special sprayer device

Intranasal

- A plastic clip on the plunger divides the dose into two equal parts
- The patient should be seated in an upright position with head tilted back
- Instruct the patient to breathe normally

Intranasal

- The provider should gently place a hand behind the patient's head
- The tip of the nasal sprayer should be inserted slightly into the naris
- Half of the contents of the sprayer (0.1 mL) are sprayed into the nostril

Intranasal

- The dose-divider clip is then removed and the procedure is repeated in the other naris
- Detailed information on the nasal administration of LAIV is included in the manufacturer's product information

Intranasal

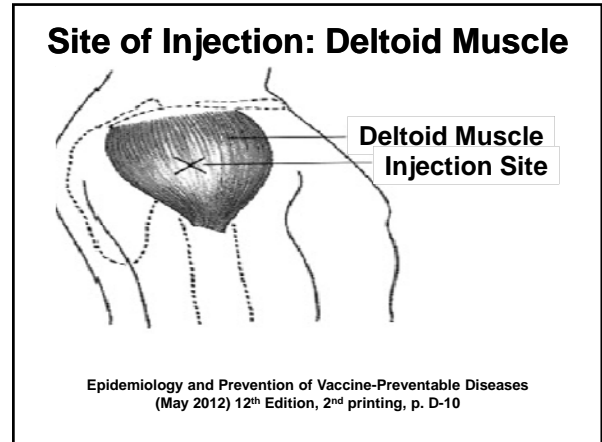
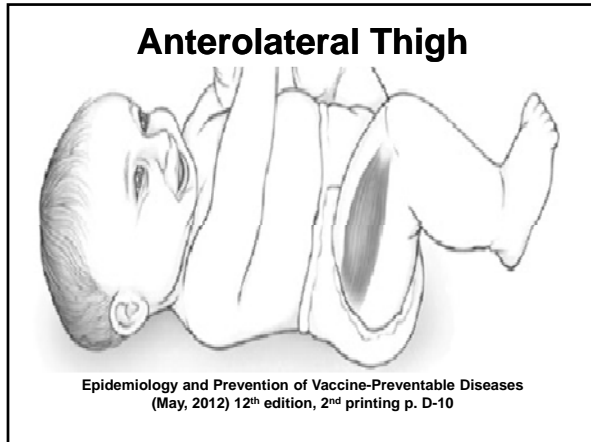
- The dose does not need to be repeated if the patient coughs, sneezes, or expels the dose in any other way

Vaccine Information Statements (VISs)

- Provide to each patient prior to vaccination
- VAERS information provided on the VIS
- Answer any questions the patient might have



Epidemiology and Prevention of Vaccine-Preventable Diseases
(May, 2012) 12th Edition , 2nd printing p. D-7



- ### Admin / Prep
- Do not recap needle
 - Activate needle safety device
 - Follow most recent recommendations
 - clinic protocol / MMWR
 - Refer to Epidemiology and Prevention of Vaccine-Preventable Diseases (Pinkbook), 12th ed. May 2012

- ### Documentation
- All vaccines administered should be fully documented to include:
 - Date of administration
 - Vaccine manufacturer
 - Site of injection
 - Vaccine lot number

- ### Documentation
- Name and title of the person who administered the vaccine
 - Address of the clinic or facility where the permanent record will reside

- ### Documentation
- Vaccine information statement (VIS) type
 - Date printed on the VIS
 - Date VIS given to patient or parent / guardian

Contact Us:

- <http://www.adph.org/immunization/>
- <http://www.adph.org/influenza/Default.asp?id=1367>
- 1 – 800 – 469 – 4599
- Local County Health Departments
- Area Immunization Managers
- Immunization Outreach Managers

References

- Centers for Disease Control and Prevention Retrieved from <http://cdc.gov/vaccines/>
- Centers for Disease Control and Prevention Retrieved from: <http://www.cdc.gov/flu/about/disease/index.htm>
- Epidemiology and Prevention of Vaccine-Preventable Diseases (2011). 12th ed. 2nd printing. Washington DC: Public Health Foundation.
- <http://www.cdc.gov/vaccines/pubs/pinkbook/default.htm>
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