Public Health Nurse Orientation
Services to Prevent and Control Communicable Disease

Section II:
Immunizations

Learning Objectives
After completing the module, participants should be able to:

- Apply safe immunization practices to their own nursing practice
- Locate resources to guide safe immunization practice

Healthy People 2010 Objective:
Achieve and maintain effective vaccination coverage levels for universally recommended vaccines among young children: 90%

Wisconsin Division of Public Health Immunization Program

Vision: To eliminate vaccine preventable disease through immunization.

Website: http://dhfs.wisconsin.gov/immunization/aboutus.htm

Immunization Definitions and Terms
- Acellular vaccine
- Adjuvants
- Advisory Committee on Immunization Practices (ACIP)
- Anaphylaxis
- Antibody
- Antigens
- Antiserum
- Antiviral
- Attenuated vaccine
- Community immunity
- Combination vaccine
- Conjugate vaccine
- Contraindication
- Efficacy rate
- Excipient
- Guillain-Barre Syndrome (GBS)
- Immune globulin
- Immunity
- Immunization
- Immunosuppression Inactive vaccine
- Incidence
- Incubation period
- Isolation
- Live vaccine
- Pandemic
- Passive immunity
- Polysaccharide vaccines
- Quarantine
- Recombinant
- Seroconversion
- Susceptible
- Titer (Immune Status Test)
- Vaccination
- Waning immunity

Safe Immunization Practice
- Primary Prevention
- Delegated Function
  - Wisconsin Statute Chapter 441

http://nxt.legis.state.wi.us/nxt/gateway.dll/?f=templates&f=default.htm
Wisconsin Immunization Resources

- Wisconsin Immunization Program
- Your Regional Immunization Consultant

Safe Immunization Practice: Vaccine Administration

Safe Immunization Practice

- Immunization Program Policy and Procedure Manual April 2008, Division of Public Health, Immunization Program

http://dhs.wisconsin.gov/immunization/

Immunization Resources

- Epidemiology and Prevention of Vaccine Preventable Diseases 2008 “Pink Book”
- Yellow Book
- American Academy of Pediatrics, “Red Book”
- Advisory Committee on Immunization Practices (ACIP)
- The National Center for Immunization and Respiratory Diseases (NCIRD)

Immunization Resources

- Revised Standards for Immunization Practices (Center for Disease Control and Prevention)
- 1-800-CDC-INFO
- IAC's vaccination resources every practice should have (Immunization Action Coalition)

Safe Immunization Practice: Storage and Handling
Safe Immunization Practice: Screening and Checklists

- Skills Checklist for Pediatric Immunization
  (Epidemiology and Prevention of Vaccine Preventable Diseases 2007)
- Adult checklists:
  - Do I Need Any Vaccinations Today?
  - You’re Never Too Old to Get Shots
- Screening Questionnaires:
  - Child and Teen Immunization
  - Adult Immunization
  (Immunization Action Coalition)

Safe Immunization Practice: Screening and Checklists

- Anti-body Live Vaccine Interval Table
- Immunization of Immunocompromised Patients Tables
- Vaccine Excipient and Media Summary
- Minimum ages and intervals
  (Epidemiology and Prevention of Vaccine Preventable Diseases 2008 "Pink Book")

Safe Immunization Practice: Health Teaching

A notation needs to be made in each patient's permanent medical record at the time vaccine information materials are provided indicating:

- edition date of the Vaccine Information Statement distributed
- date the VIS was provided
- name, address and title of the individual who administers the vaccine
- date of administration
- vaccine manufacturer and lot number of the vaccine used

Safe Immunization Practice: Infection Control

It's Federal Law - use of VISs
(Center for Disease Control and Prevention & Immunization Action Coalition)
Safe Immunization Practice: Vaccine Inspection

Safe Immunization Practice: Filling Syringes

Safe Immunization Practice: Administration

Subcutaneous

Intramuscular

Source: Epidemiology and Prevention of Vaccine Preventable Diseases 2007

Safe Immunization Practice: Dosage, Route, Site:

Intramuscular Administration Techniques

Source: Epidemiology and Prevention of Vaccine Preventable Diseases 2007

All ages: Dose, Route, Site, and Needle Size
(Immunization Action Coalition)
Safe Immunization Practice: Site Selection

- Poster: Anatomic sites—delivery in infants & children
  Available in English and Spanish, California Distance Learning
- Vaccine Administration Guidelines: Epidemiology and Prevention of Vaccine Preventable Diseases, 'The Pink Book', 2008

Safe Immunization Practice: Waste Disposal

Wisconsin Department of Natural Resources
Medical and Infectious Waste Management Program

Safe Immunization Practice: Comfort Measures

- "Immunization Techniques" form (video) (California Distance Learning)
- Comforting Restraint for Immunizations (flyer) (English and Spanish) (California Distance Learning)
- Comforting Measures (poster) (California Distance Learning)

Safe Immunization Practice: Multiple Vaccines

Safe Immunization Practice: Special Situations

Nonstandard Administration: Bleeding Disorders

Safe Immunization Practice: Special Situations

Latex Allergies

Fainting
**Safe Immunization Practice: Special Situations**

- ACIP General Recommendations on Immunizations
- Medical Management of Vaccine Reactions in Children and Teens
- Medical Management of Vaccine Reactions in Adults
- CDC, Epidemiology and Prevention of Vaccine Preventable Diseases, Pink Book 2008
- American Academy of Pediatrics, Red Book

**Safe Immunization Practice: Recording Vaccine Administration**

1. Date the vaccinations were given
2. Vaccine manufacturer and lot number of the vaccine administered
3. Name, address where the information will be stored, and the signature and title of the individual who administered the vaccine
4. Edition, or date of publication, of the Vaccine Information Statement
5. Date the Vaccine Information Statement was given to the patient.

**Recording vaccine administration**
(Immunization Action Coalition)

**Safe Immunization Practice: Wisconsin Immunization Registry**

**RECI N**

RECI N stands for Regional Early Childhood Immunization Network. RECI N is a computer program that shares immunization information with many doctors' offices, public health departments, and schools.

**Safe Immunization Practice: Vaccine Adverse Event Reporting System (VAERS)**

Website: http://vaers.hhs.gov/

**National Vaccine Injury Compensation Program (VICP)**

Website: http://www.hrsa.gov/vaccinecompensation/
Wisconsin Student Immunization Law: A Brief History

July 1975
- Polio, DTP and measles required at Kindergarten (K) entrance and licensed day care centers.
- Parents could sign "intents" to immunize.
- Waivers for religious and health reasons available.

May 1980
- Schools and day care centers notify local district attorney of non-compliant students.
- DA petitions court to order compliance or possible fine up to $25 per day.
- Personal conviction waiver added.

May 1990
- Mandatory exclusion of non-compliant children in grades K through 5 if the previous year’s school district compliance level falls below 95% (beginning in July 1995).
- Parent of non-compliant student issued 2 legal notices.

May 1992
- Indemnification of physicians covering public health clinics.

April 1996
- Annual legislative report required by DHFS.

June 1997
- Release of immunization information without parental consent between providers and schools or day care centers.

August 2003
- 4-day grace period added, applies to age dependent vaccines.

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