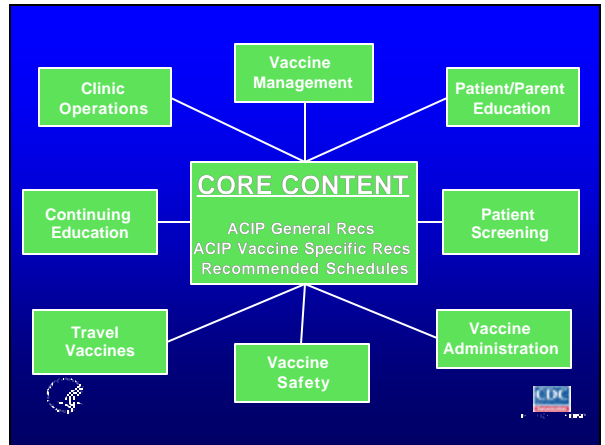


Developing a "Toolkit" for Orienting and Training Immunization Staff



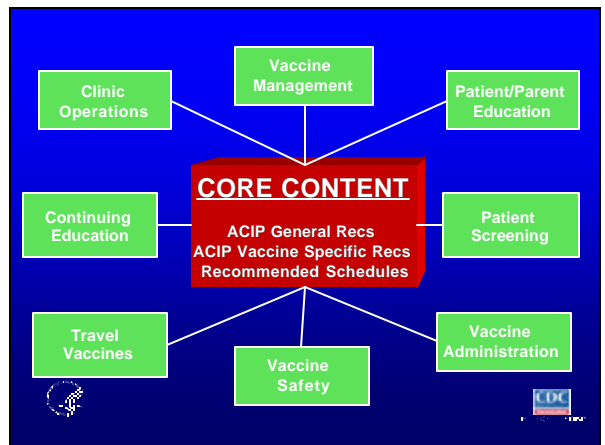
Donna L. Weaver, MN, RN, Nurse Educator
Centers for Disease Control and Prevention
National Immunization Program
Immunization Services Division
37th NIC, Chicago, IL



Competency Based Training & Education

• Checklist is available from the CA Distance Learning Health Network (CDLHN)

www.immunize.org/genr_d/issue273.htm#n2



ACIP General Recommendations on Immunization



- Provides basic guidelines for immunization practice
 - Continuing education available
- www.cdc.gov/mmwr/preview/mmwrhtml/rr5102a1.htm



Recommended Immunization Schedules



- Childhood/Adolescent schedule for birth – 18 years of age
 - Adult schedule for 19 years of age and older
- www.cdc.gov/nip/racs/child-schedule.pdf
www.cdc.gov/nip/racs/child-catch-up.pdf
www.cdc.gov/nip/racs/adult-schedule.pdf



Vaccine Specific ACIP Recommendations

Comprehensive Recommendations	Advisory Committee
Diphtheria, Tetanus, and Pertussis (DTaP)	Advisory Committee on Immunization Practices (ACIP)
Hepatitis A (HepA)	Advisory Committee on Immunization Practices (ACIP)
Hepatitis B (HepB)	Advisory Committee on Immunization Practices (ACIP)
Human Papillomavirus (HPV)	Advisory Committee on Immunization Practices (ACIP)
Influenza (Flu)	Advisory Committee on Immunization Practices (ACIP)
Measles, Mumps, and Rubella (MMR)	Advisory Committee on Immunization Practices (ACIP)
Polio (IPV)	Advisory Committee on Immunization Practices (ACIP)
Pneumococcal (PCV)	Advisory Committee on Immunization Practices (ACIP)
Tdap	Advisory Committee on Immunization Practices (ACIP)
Tetanus, Diphtheria, and Pertussis (Tdap)	Advisory Committee on Immunization Practices (ACIP)
Zoster (Shingles)	Advisory Committee on Immunization Practices (ACIP)

- Provides written recommendations for the routine administration of specific vaccines
- www.cdc.gov/nip/publications/ACIP-list.htm



Epidemiology and Prevention of Vaccine-Preventable Diseases



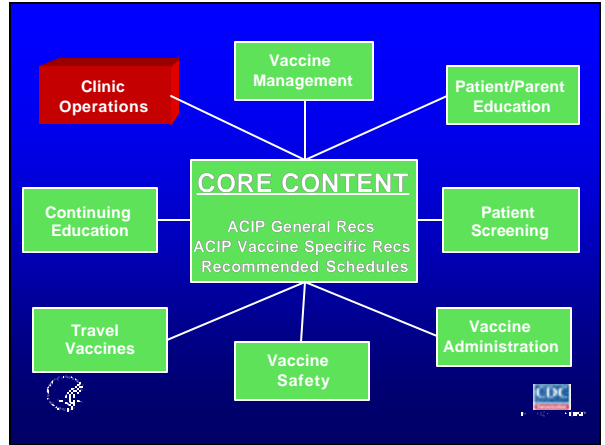
- This course provides the most current information available in the field of immunization.
 - The "Pink Book" is a comprehensive source of epidemiologic data and vaccine recommendations. (Available in a variety of formats & CE is available)
- www.nhnp.cdc.gov/nhnp/epv03/factsheet.asp
www.cdc.gov/nip/publications/pink/



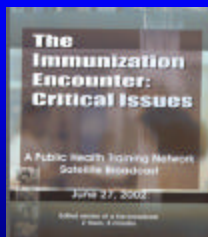
Summary of ACIP Recommendations



- These tables provide summaries of the ACIP recommendations
www.immunize.org/catg.d/rules1.pdf
www.immunize.org/catg.d/p2011b.pdf



The Immunization Encounter: Critical Issues



- This course addresses issues encountered in the routine immunization clinic: patient intake & screening, vaccine administration & management, documentation, & adverse events. (Currently available only by web archive)
www.phppo.cdc.gov/phtn/webcast/imm-encounter/webcast.asp



Clinic Supplies Checklist

Community-Based Immunization Clinic Supplies Checklist	
Needs for Staff	Vaccine Information Statement (VIS) Kit
Needs for Office	Payment and Office Supplies
Needs for Supplies	Emergency Kit
Blanket Materials	Clinical Tools

- This is a checklist of supplies needed to conduct an immunization clinic
www.immunize.org/catg.d/p3046chk.htm



Emergency Protocols

INITIAL OFFICE MANAGEMENT OF ANAPHYLAXIS

1. CALL FOR MD

2. EVALUATE PRESENT FOR ANAPHYLAXIS

Respiratory	Wheezing, stridor, tachypnea, hypoxemia
Cardiovascular	Hypotension, tachycardia, dizziness, syncope
GI	Abdominal pain, vomiting, diarrhea
Other	Urticaria, angioedema, conjunctivitis, rhinitis

3. CALL 911 If no response to treatment or if patient is deteriorating.

GENERAL TREATMENT

- Administer epinephrine as soon as possible.
- Give oxygen by nasal cannula (15-20 L/min) if hypoxic.
- Give intramuscular (IM) epinephrine 0.1-0.5 mg (0.1 mg/kg) if hypotensive.
- Give intravenous (IV) fluids if hypotensive.

SPECIFIC TREATMENT OF ANAPHYLAXIS (do not wait for lab results)

Epinephrine (1:1000)	0.1-0.5 mg (0.1 mg/kg)
Albuterol (2.0%)	2-4 puffs
IV fluids	10-20 mL/kg
IV antihistamines	1-2 mg/kg
IV corticosteroids	1-2 mg/kg

4. TRANSPORT TO ACUTE CARE FACILITY



- CPR certification
- The AAP Red Book & ImmunoFacts are excellent resources on guidelines for "Treatment of Anaphylactic Reactions"
 - www.aap.org/hst/webpage.cfm?&DID=15&WebPage_ID=65
 - www.immunofacts.com/products.html

Record-keeping

Immunization Record for Adults

Name	DOB	Sex	Address	City	State	Zip	Phone	Occupation	Education	Religion	Marital Status	Insurance	Signature	Date

Immunization Record for Children

Name	DOB	Sex	Address	City	State	Zip	Phone	Occupation	Education	Religion	Marital Status	Insurance	Signature	Date

- Age-appropriate vaccine administration records are available in the Pink Book
 - www.cdc.gov/nip/publications/pink/Appendices/AA/axRecordAdult.pdf
 - www.cdc.gov/nip/publications/pink/Appendices/AA/axRecordChild.pdf

Record-keeping



VACCINE INFORMATION STATEMENTS
WHAT YOU NEED TO KNOW

By Federal law, all vaccine providers should provide parents with an appropriate Vaccine Information Statement (VIS) before a routine shot.

The vaccine contains gelatin for some. Vaccine Information Statements (VIS) are available in Spanish and other languages upon request.

CONTRAINDICATIONS

1. Allergic reaction to a vaccine component
2. Allergic reaction to gelatin
3. Allergic reaction to egg protein
4. Allergic reaction to antibiotics
5. Allergic reaction to latex

Precautions and Warnings

1. Do not use if the rubber stopper is missing or damaged.
2. Do not use if the rubber stopper is cracked or broken.
3. Do not use if the rubber stopper is leaking.
4. Do not use if the rubber stopper is discolored.
5. Do not use if the rubber stopper is damaged.

Other information

For more information, visit www.cdc.gov/vaccines/imz/vis/

October 1, 2001

- The ACIP General Recommendations on Immunization provides guidelines for record-keeping.
 - www.cdc.gov/mmwr/preview/mmwrhtml/g5102a1.htm
 - VIS Instruction Booklet
 - www2.cdc.gov/nchsnp_odp/NI/NIOrderform.asp

Personal Immunization Record

Immunization Record for Adults

Name	DOB	Sex	Address	City	State	Zip	Phone	Occupation	Education	Religion	Marital Status	Insurance	Signature	Date

Immunization Record for Children

Name	DOB	Sex	Address	City	State	Zip	Phone	Occupation	Education	Religion	Marital Status	Insurance	Signature	Date

- Personal immunization records are available from many state immunization programs
- The IAC offers two adult immunization records
 - www.immunize.org/adultizcards/pictures.htm
 - www.immunize.org/smallpoxizcards/index.htm

VFC Eligibility

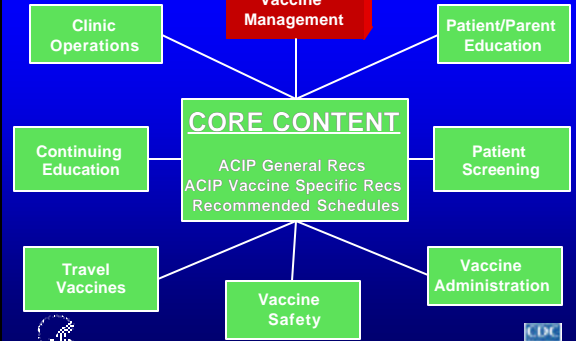


VFC eligibility information available from NIP

www.cdc.gov/nip/vfc/Provider/ProvidersHomePage.htm



Vaccine Management



Immunization Registries



Registry information is available from NIP

www.cdc.gov/nip/registry/Default.htm



Vaccine Management



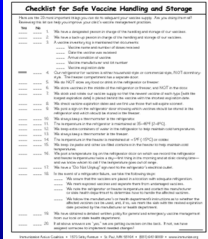
The "Ice, Champagne, and Roses" video provides guidelines for vaccine storage & handling and is available from NIP

https://www2.cdc.gov/nchsip_od/PIWeb/NIPorderform.asp

www.cdc.gov/nip/publications/pink/appendices.htm (Appendix D)



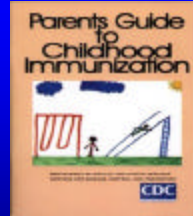
Vaccine Management



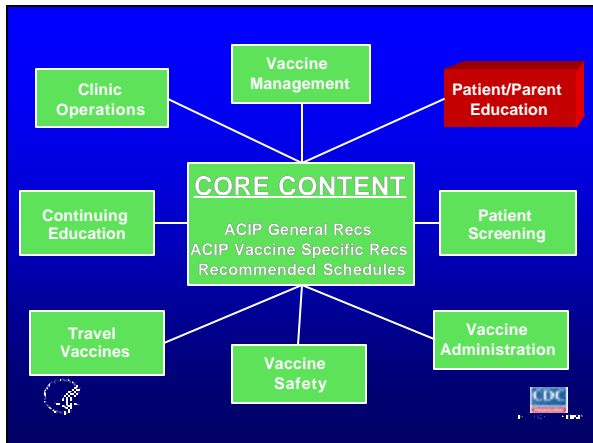
- A vaccine storage & handling checklist and summary of errors to avoid are available from the IAC
www.immunize.org/catg.d/p30335chk.pdf
www.immunize.org/catg.d/p30336.pdf



Patient/Parent Education



- A booklet that provides basic information about vaccine-preventable diseases from NIP
www.cdc.gov/nip/publications/Parents_Guide/default.htm
- NIP webpage with information for the public
www.cdc.gov/nip



Patient/Parent Education



- A book that contains detailed instructions and camera ready copies of VISs is available from NIP
www2.cdc.gov/nchs/stp_od/PIWeb/NIPorderform.asp
- VISs available in >20 languages from the IAC
www.immunize.org/vis/index.htm#index



Patient/Parent Education

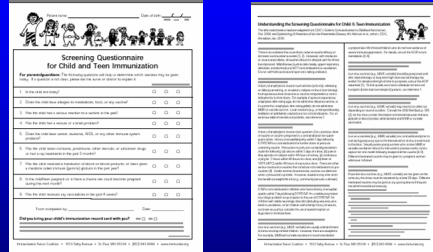


- This booklet and video provide basic information about how vaccines work & why they are recommended



http://vaccine.chop.edu/order_hc_profes.shtml

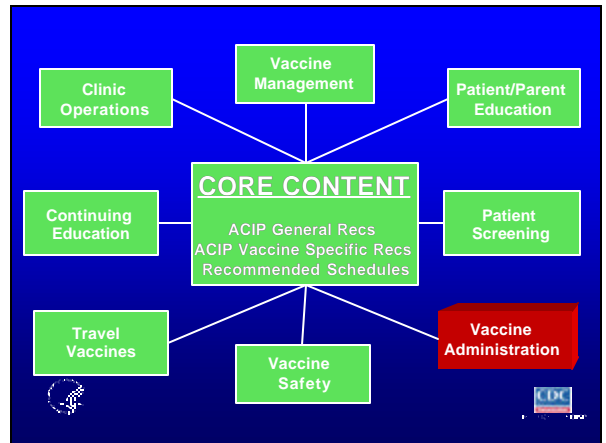
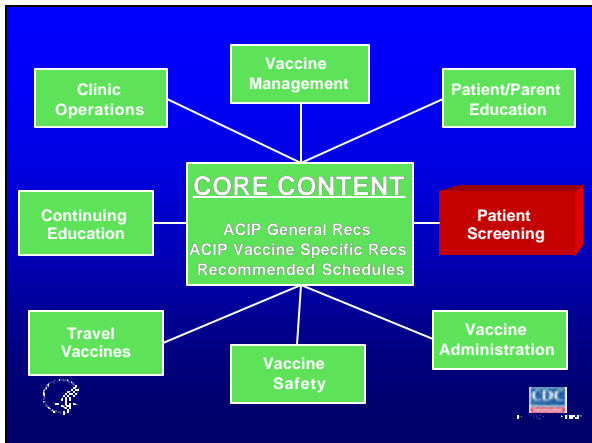
Patient Screening



- Child and teen immunization screening tool with rationale for questions (also available for adults)



www.immunize.org/catg.d/p4066scr.htm



Vaccine Administration



The ACIP General Recommendations on Immunization provides guidelines for vaccine administration
www.cdc.gov/mmwr/preview/mmwrhtml/r5102a1.htm
www.immunize.org/catg.d/p2020.pdf



Vaccine Administration



- Information sheets to help parents support and care for their children before during and after the shots



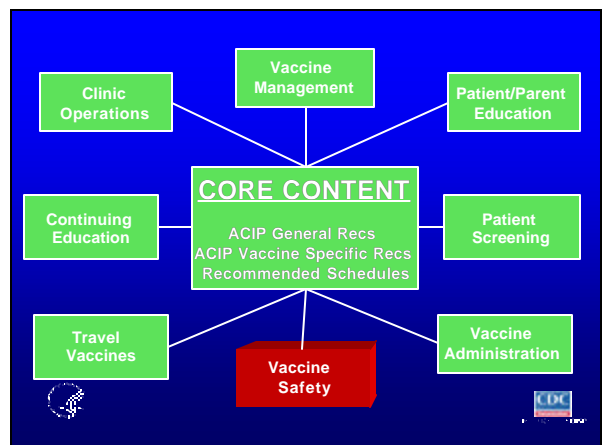
www.cdc.gov/ncidod/diseases/immunization/docs/parents/before_the_shots.pdf
www.cdc.gov/nip/publications/pink/Appendices/A/AftertheShots.pdf



Vaccine Administration



- Video and posters provide guidelines on proper needle size, site, and technique for vaccine administration
www.immunize.org/genr.d/issue273.htm#p2



Vaccine Safety



Vaccine safety research and training are available from NIP
www.cdc.gov/nip/home_hcp.htm



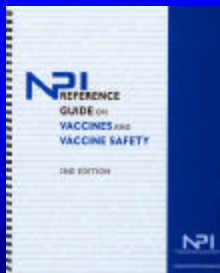
Vaccine Safety



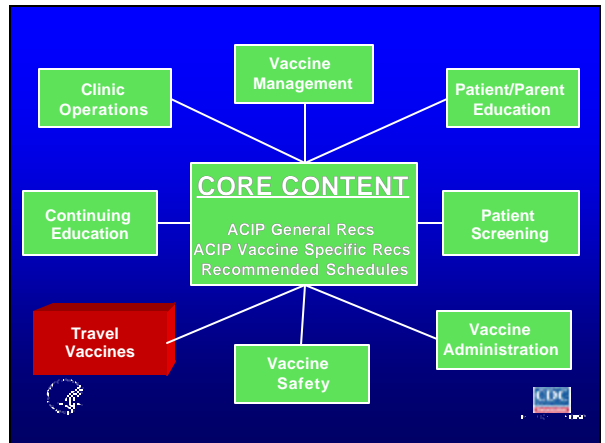
- Video and tear sheets address primary vaccine safety concerns
http://vaccine.chop.edu/order_hc_prof_shtml



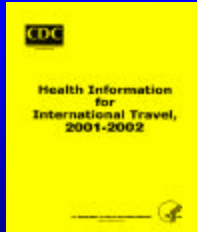
Vaccine Safety



- This guide offers concise information on how vaccines work and vaccine safety issues
www.partnerforimmunization.org/guidebook.html



Travel Vaccines



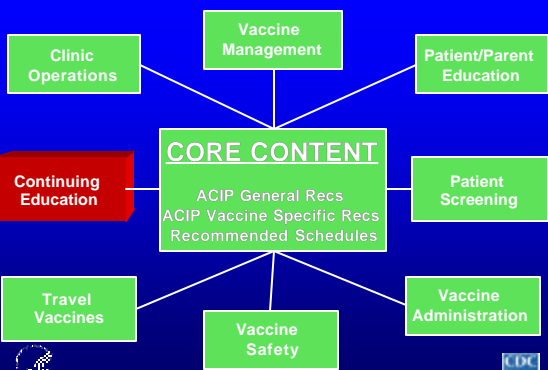
- CDC travel website
<http://www.cdc.gov/travel/>
- Yellow Book
<http://www.cdc.gov/travel/yb/index.htm>



Continuing Education



- NIP website
www.cdc.gov/nip



Continuing Education



- CDC bioterrorism website
www.bt.cdc.gov/



Continuing Education



- CDC Morbidity and Mortality Weekly Reports
www.cdc.gov/mmwr/



Continuing Education



- National Network of Immunization Information (NNII)
www.immunizationinfo.org/



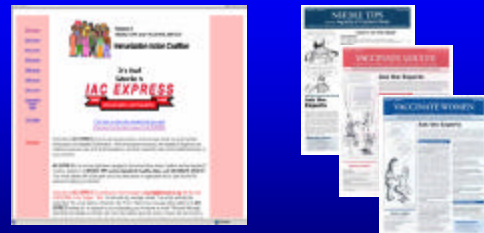
Continuing Education



- CDC Public Health Training Network
www.phppo.cdc.gov/phtn/default.asp
www.phppo.cdc.gov/phtn/online/



Continuing Education



- IAC Express
www.immunize.org/eenr_d.htm
Needle Tips; Vaccinate Adults; Vaccinate Women
www.immunize.org



Continuing Education



- A comprehensive resource of ACIP recommendations, the Pink Book, registry, surveillance and vaccine safety information.



- CD-Rom can be ordered from NIP

https://www2.cdc.gov/nchsip_od/PIWeb/NIPorderform.asp



QUESTIONS

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- Jennifer Hamborsky, MPH, CHES
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