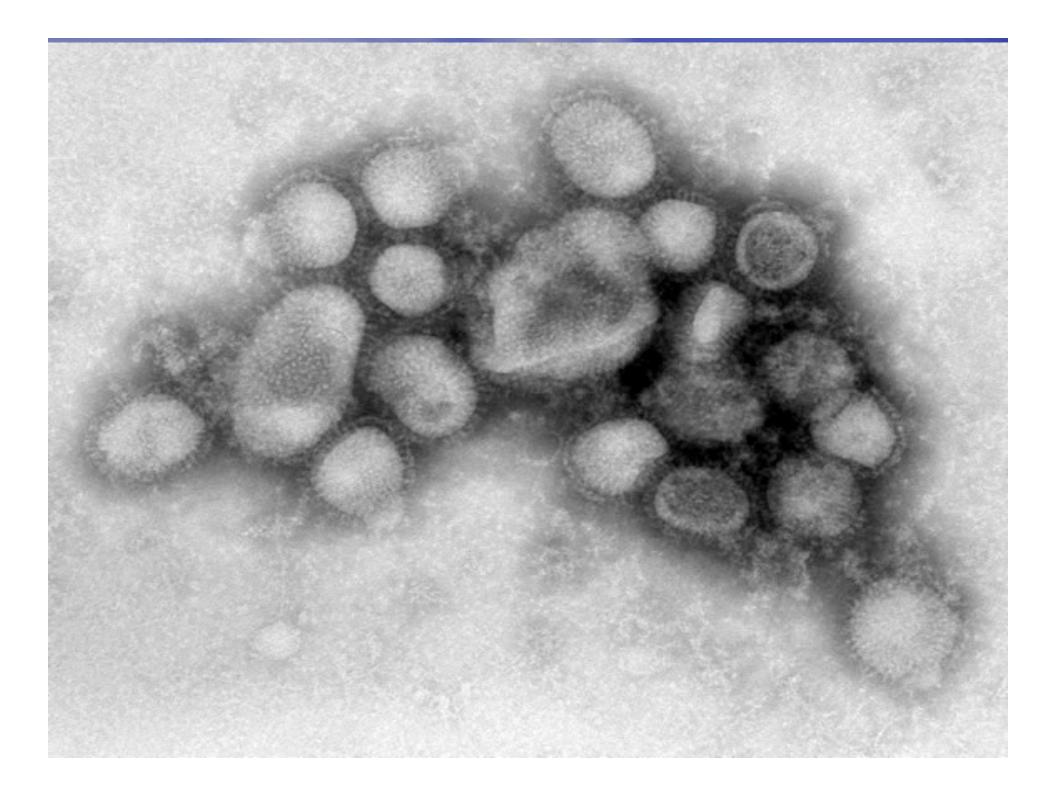


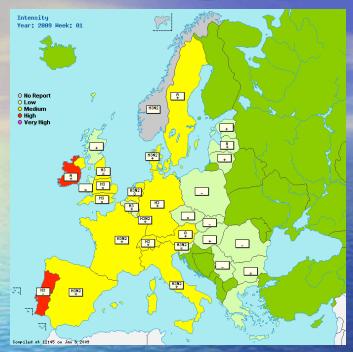
ADULT IMMUNIZATIONS

- **4**Childhood Immunizations:
- Cost effective and health cost saving since many decades
- Pertusis, Polio, Measles and Rubella
- **4**Adult Immunizations:
- 1970 Universal campaign, cost effective but not health care saving (Pneumococcal and Influenza). "Epidemic" oriented





SWINE INFLUENZA







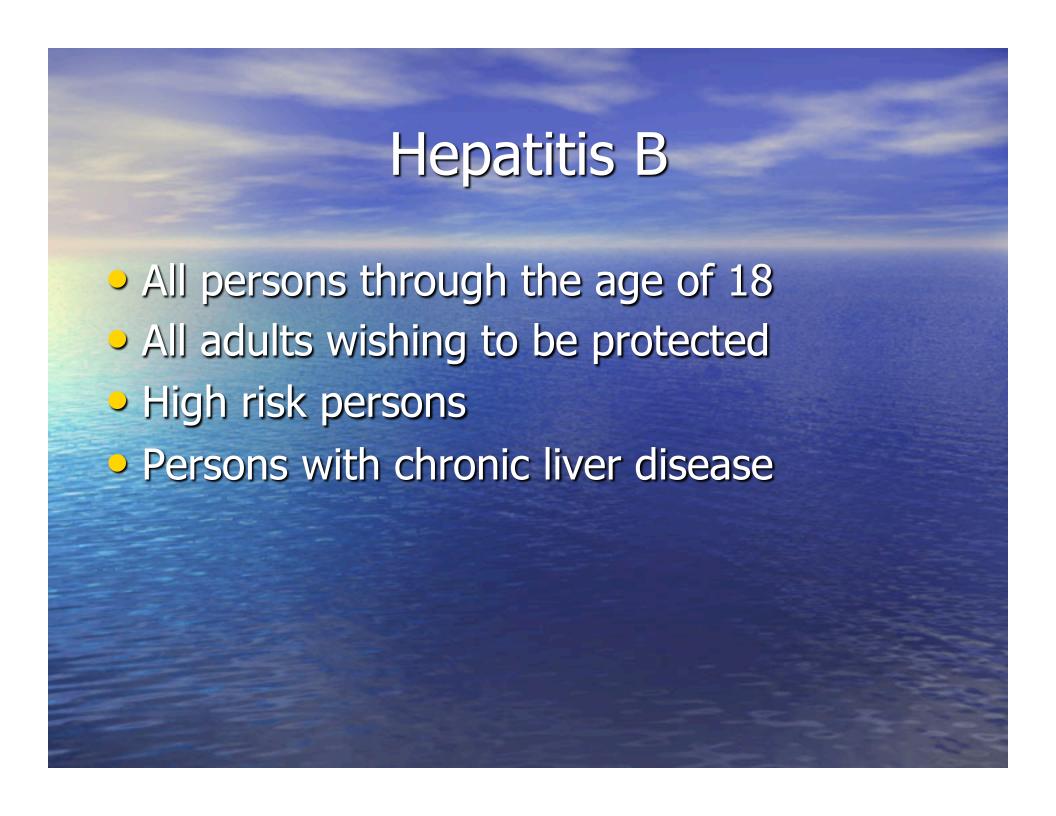


#Most adult vaccines are administered intra-muscular or sub-cutaneously

Buttocks are not recommended for any adult vaccine except for large volume vaccines (most immune globulins)



- All vaccines can cause local reactions, flu like syndromes (life or live attenuated vaccines),
- Allergic reactions (influenza/ poultry allergy)
- Guillan-Barré like paralysis (poliomyelitis)

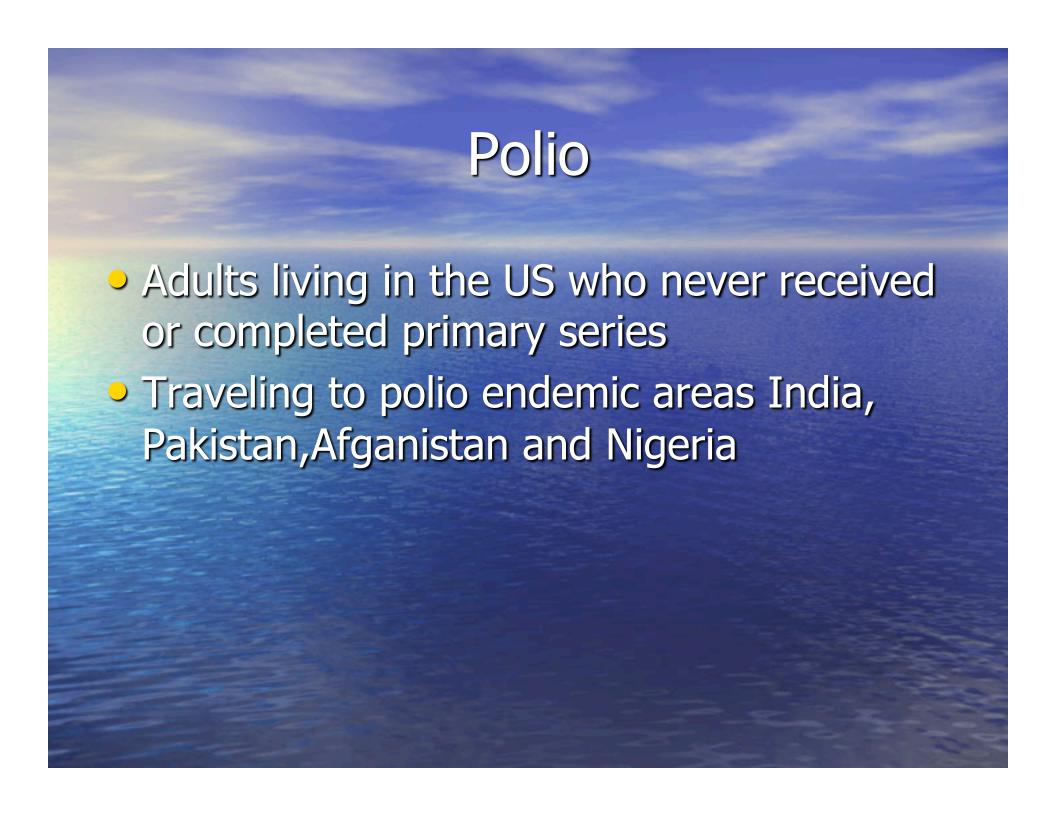




- All persons wishing to be protected against HAV
- Persons who travel or work in all countries except, US, Western Europe, New Zealand, Australia, Canada, Japan
- Persons with chronic liver disease
- Men who have sex with men
- Injecting and no injecting drug users
- Laboratory personnel who work with HAV in experimental settings
- People who receive clotting factors
- Food handlers*
- Unvaccinated adults 40 or younger with recent (2 weeks) exposure
- Persons over 40 with recent exposure immune globulin preferred

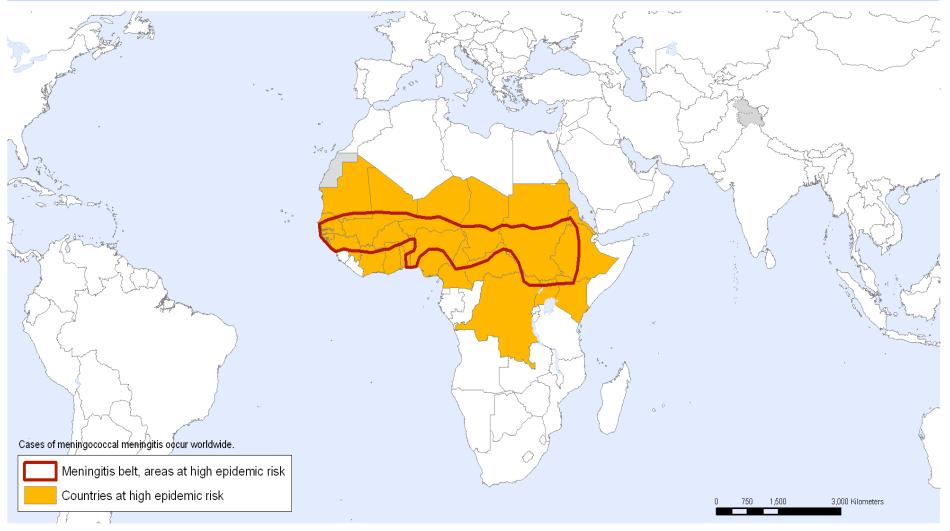
Tetanus diphtheria and pertussis

- All adults who lack written documentation
- Wound management with > 5 years adm.
- If pregnant- Td or Tdap in 2nd and 3rd trimester
- Tdap only- adults younger than 65 that have not already received Tdap
- Child care providers and grandparents under 65 should be prioritized for vaccination
- Health care providers should be prioritized for vaccination





Meningococcal meningitis, countries or areas at high risk, 2008



The boundaries and names shown and the designations used on this map do not imply the expression of any opinion whatsoever on the part of the World Health Organization concerning the legal status of any country, territory, city or area or of its authorities, or concerning the delimitation of its frontiers or boundaries. Dotted lines on maps represent approximate border lines for which there may not yet be full agreement.

Data Source: World Health Organization Map Production: Public Health Information and Geographic Information Systems (GIS) World Health Organization



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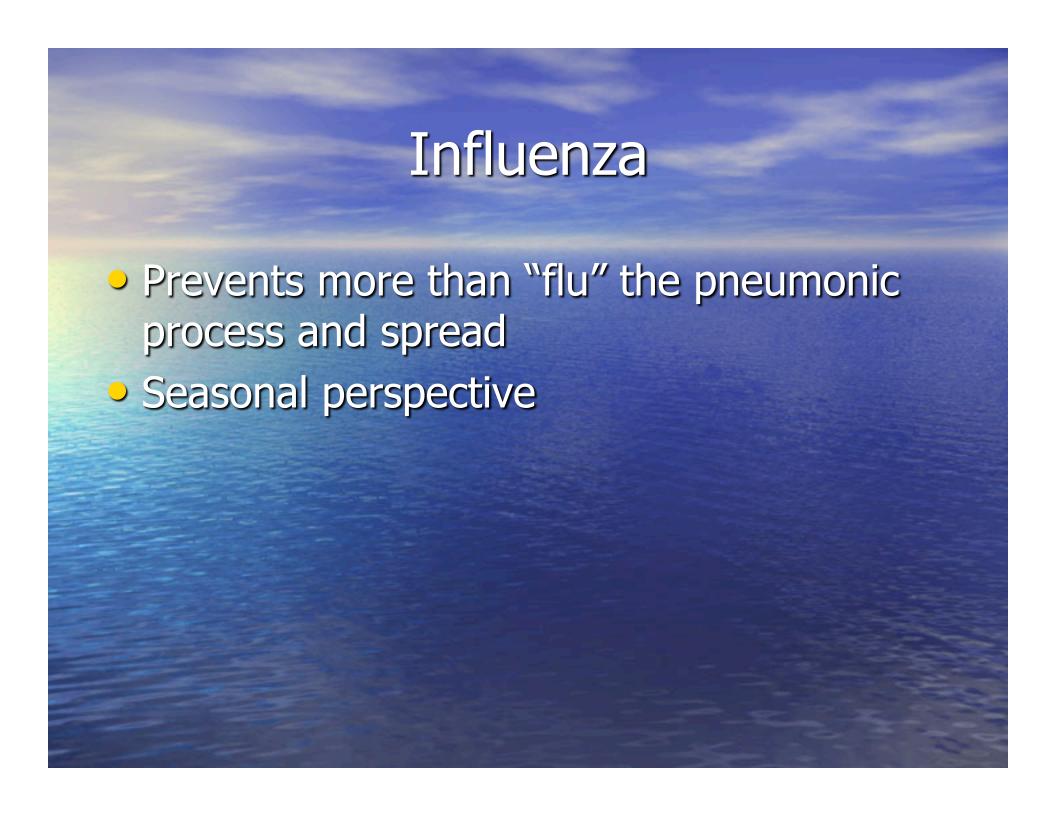


Zoster





- Persons born in 1957 or later (specially born outside US) should receive at lest one dose of MMR unless there is proof of immunity
- Persons of high-risk groups should receive at least two doses
- Women of childbearing age without proof of immunity





- All persons 50 and older
- All persons who want to reduce the like hood of becoming ill with influenza
- Persons with medical problems
- Persons living in chronic care facilities
- Persons who work with high rick people
- Students or personnel living in dormitories
- Travelers at risk for influenza traveling to endemic areas of influenza(see traveling reports)

Pneumococcal

- More than Pneumonia prevents the systemic invasive component like bacteremia
- No evidence support for a booster each 5 years except persons over 65 and organ recipients and imunocompromised
- Given IM reduce the chance of adverse reactions

Pneumococcal polysaccharide

- Persons 65 or older
- Persons with chronic illness such as:

Asplenia

Hodgkin's

Multiple Myeloma

Chronic Renal Disease

Cancer

Nephrotic Syndrome

Marrow or organ Transplantants

Chemotherapy or corticosteroid therapy

Smokers and COPD

