

Advisory Committee on Immunization Practices: Influenza Session

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Influenza Vaccine Working Group Members Kathy Neuzil, Chair

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- Hank Bernstein (AAP)
- Douglas Campos-Outcalt (AAFP)
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- Mary Vernon-Smiley (CDC)
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Workgroup Activities 2009

- Seasonal vaccine safety data updates
- Presentations from vaccine manufacturers
 - Adjuvanted seasonal and H5N1 vaccines
- Antiviral issues
 - Antiviral resistance among seasonal H1N1
 - Interim guidelines for pandemic H1N1 treatment
 - Annual treatment and chemoprophylaxis recommendations
- Pandemic H1N1 discussions
 - Immunology
 - Epidemiology
 - Vaccine development
 - Program planning

Special ACIP Influenza Session: Goals

- Discuss and vote on antiviral guidance for both seasonal and pandemic H1N1 virus infections
- Provide background on pandemic H1N1 issues for ACIP in preparation for activities and decisions in summer and fall 2009

Considerations for Pandemic A/H1N1 Vaccination Program

- Need for clear program goals, roles and responsibilities
- Timelines for a vaccine program must consider the possibility of an “early wave”
 - What vaccines are likely to be available, when, and in what quantities?
 - What basic information is needed to inform recommendations on use of a vaccine, preferably a licensed vaccine? When will it be available?
- How might a pandemic influenza vaccine program co-exist with a seasonal program?

Major Outcomes of Influenza Session

- Epidemiology and virology
 - Pandemic H1N1 virus circulation continues in many parts of United States
 - Pandemic H1N1 morbidity largely among children and younger adults
 - Large proportion of young population likely susceptible
 - Co circulation of seasonal and pandemic viruses possible later in 2009
- Pandemic H1N1 vaccine development
 - Proceeding as planned
 - Timelines for availability and supply not certain and depend on formulation and production constraints
 - Initial vaccine likely to be similar to seasonal vaccine formulations (not adjuvanted)

Major Outcomes of Influenza Session

- Vaccine program implementation
 - Plan for near simultaneous seasonal and H1N1 vaccine programs
 - Communication of complex vaccination recommendations will be challenging
 - Uncertainties re availability, formulation, program scale and demand
- Assessment
 - Vaccine effectiveness and safety plans in place

Early use of seasonal vaccine

- Current ACIP guidelines indicate use can begin when vaccine available
 - Provides protection even when early circulation of influenza viruses
 - No evidence for clinically important waning immunity among those vaccinated in late summer and early fall
 - Reduces overlap between pandemic and seasonal vaccine campaigns

Manufacturers' projections for availability of 2009-10 seasonal influenza vaccines*

- Total ~120 Million doses
 - ~15 M doses available by mid August
 - ~40M doses available by Sep 1
- >90% shipped by November 1
- Preservative-free and infant-toddler doses formulations included in early releases

*Aggregated data for planning purposes

ACIP role and plans

- Review epidemiologic data, vaccine studies, and program planning
- Develop and review plans for vaccination targeting and early receipt of vaccine
 - Need to reassess existing vaccine prioritization plan
- Suggest ways to reduce impact on seasonal vaccination program
- Begin development of guidance for pandemic influenza H1N1 vaccine use
- Likely July or August public meeting