MedImmune Influenza Update

2012 National Influenza Vaccine Summit

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Contents

- Product overview
- Burden of influenza B
- Value of quadrivalent vaccines
MedImmune’s Approved Influenza Vaccines

- **FluMist**
  - To supply ~13 million doses for the **2012-2013** season
  - Shipping expected to begin in July – August 2012
  - More information at www.flumist.com

- **FluMist Quadrivalent**
  - Approved by FDA on February 29, 2012
  - Available for the **2013-2014** season
  - Prebooking to begin late 2012
  - More information at www.flumistquadrivalent.com

Influenza B represents a significant burden: ~24% of all circulating influenza, both B lineages co-circulating since 2001

- Influenza B causes seasonal influenza epidemics with resulting morbidity affecting all age groups
  - There are two antigenically distinct influenza B lineages – Yamagata and Victoria; there is little or no cross-protection between lineages
  - Lineage of circulating B strain did not match vaccine in 5 of 10 US seasons (2001-2011)

Influenza Viral Surveillance: % of all circulating viruses that were Type B

1. CDC. Epidemiology and Prevention of Vaccine-Preventable Diseases., 2011.
Quadrivalent vaccines are designed to
  • Eliminate B-lineage mismatch
  • Provide broad protection against influenza B

CDC Outcomes Model
  • An estimated 2.7 million cases over 8 seasons may have been averted with the use of a quadrivalent vaccine (range: 2,200 to 1,300,000 cases per season)

Limitations of the Model
  > It remains unclear how much additional public health benefit would be gained by including a second influenza B strain
  > Vaccine production, vaccine coverage, vaccine efficacy, and virologic circulation are key variables in modeling potential outcomes
  > Season-by-season variability depends on the annual effectiveness of vaccines, the annual population vaccine coverage, the overall burden of influenza during a given season, and the proportion of each influenza B virus lineage circulating

Questions