

Influenza Vaccine Session

Anthony Fiore, MD, MPH

Influenza Division

National Center for Immunization and Respiratory Diseases
Centers for Disease Control and Prevention

Advisory Committee on Immunization Practices Meeting
February 27, 2008



Agenda: Influenza Session

- **Influenza surveillance update (Fiore)**
- **Influenza vaccine strain selections 2008-09 (Alexander Klimov, CDC)**
- **Oseltamivir-resistant influenza A (H1N1) (Klimov)**
- **Influenza vaccine effectiveness among 6-23 month old children, 2005-6 and 2006-7 seasons (David Shay, CDC)**
- **Expanding influenza vaccination recommendations to include all 5-18 year old children (Fiore)**
- **Influenza Vaccine Workgroup Report: Key issues regarding expansion (Kathy Neuzil, Chair, ACIP Influenza Vaccine Workgroup)**
- **Influenza vaccination recommendations, 2008 (Fiore)**
 - **Vote**
 - **VFC Vote (Greg Wallace, CDC)**

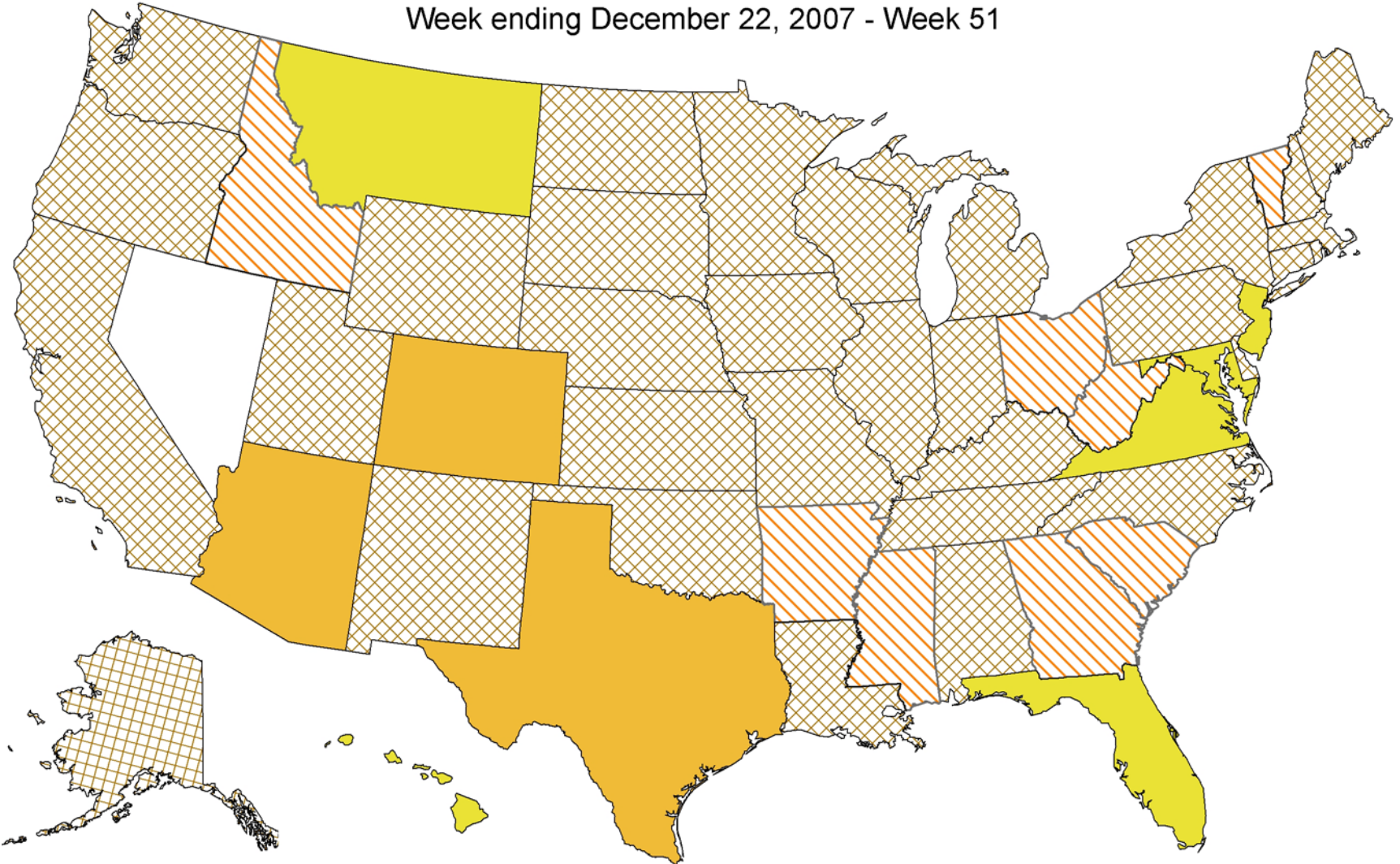
Influenza Activity in the United States, February 2008*

***Influenza Division, CDC Preliminary data**



Weekly Influenza Activity Estimates Reported by State & Territorial Epidemiologists*

Week ending December 22, 2007 - Week 51



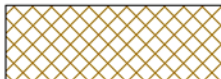
No Report



No Activity



Sporadic



Local



Regional

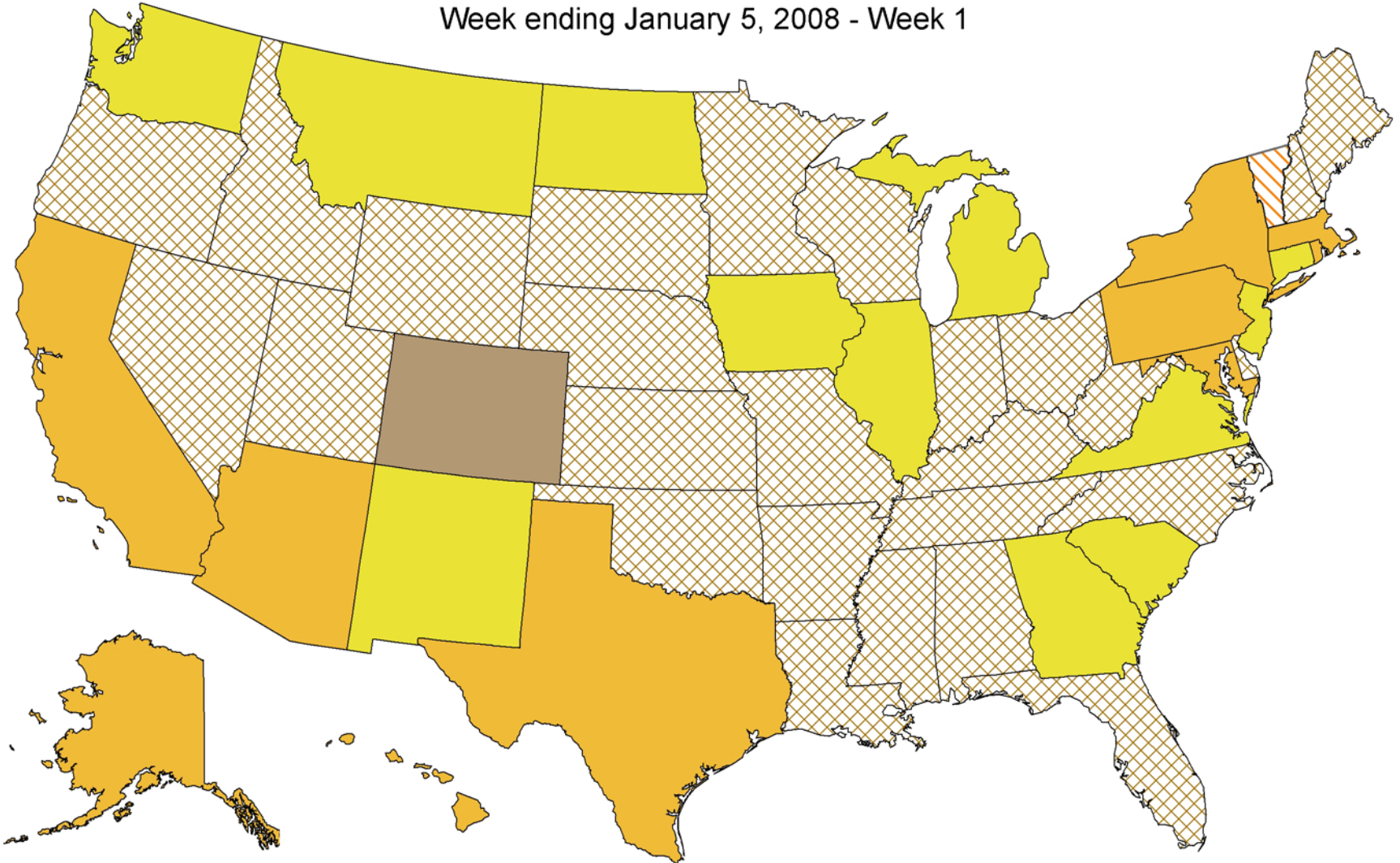


Widespread



Weekly Influenza Activity Estimates Reported by State & Territorial Epidemiologists*

Week ending January 5, 2008 - Week 1



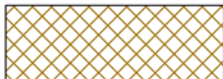
No Report



No Activity



Sporadic



Local



Regional

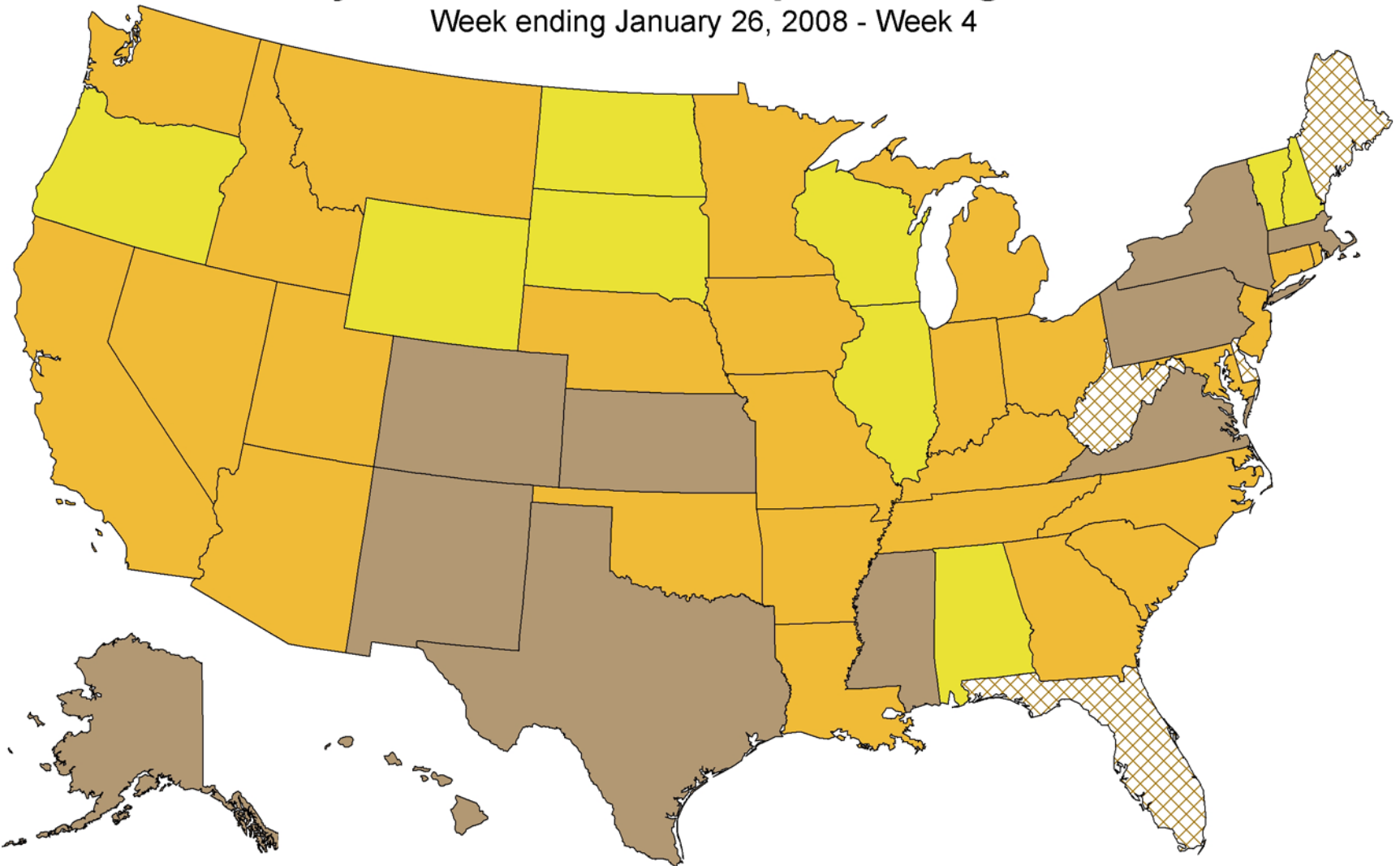


Widespread



Weekly Influenza Activity Estimates Reported by State & Territorial Epidemiologists*

Week ending January 26, 2008 - Week 4



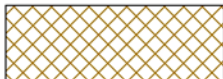
No Report



No Activity



Sporadic



Local



Regional

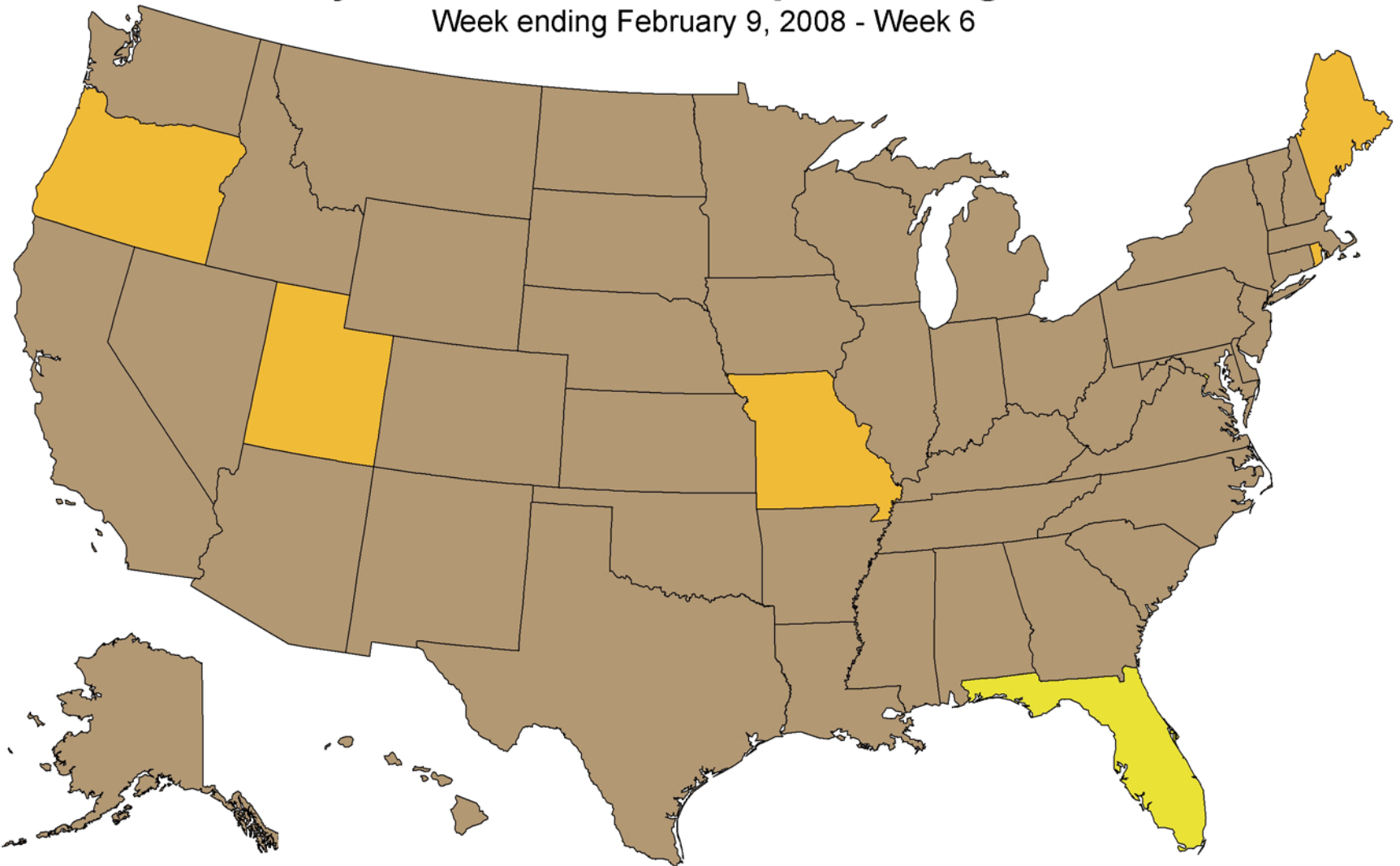


Widespread



Weekly Influenza Activity Estimates Reported by State & Territorial Epidemiologists*

Week ending February 9, 2008 - Week 6



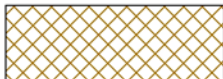
No Report



No Activity



Sporadic



Local



Regional

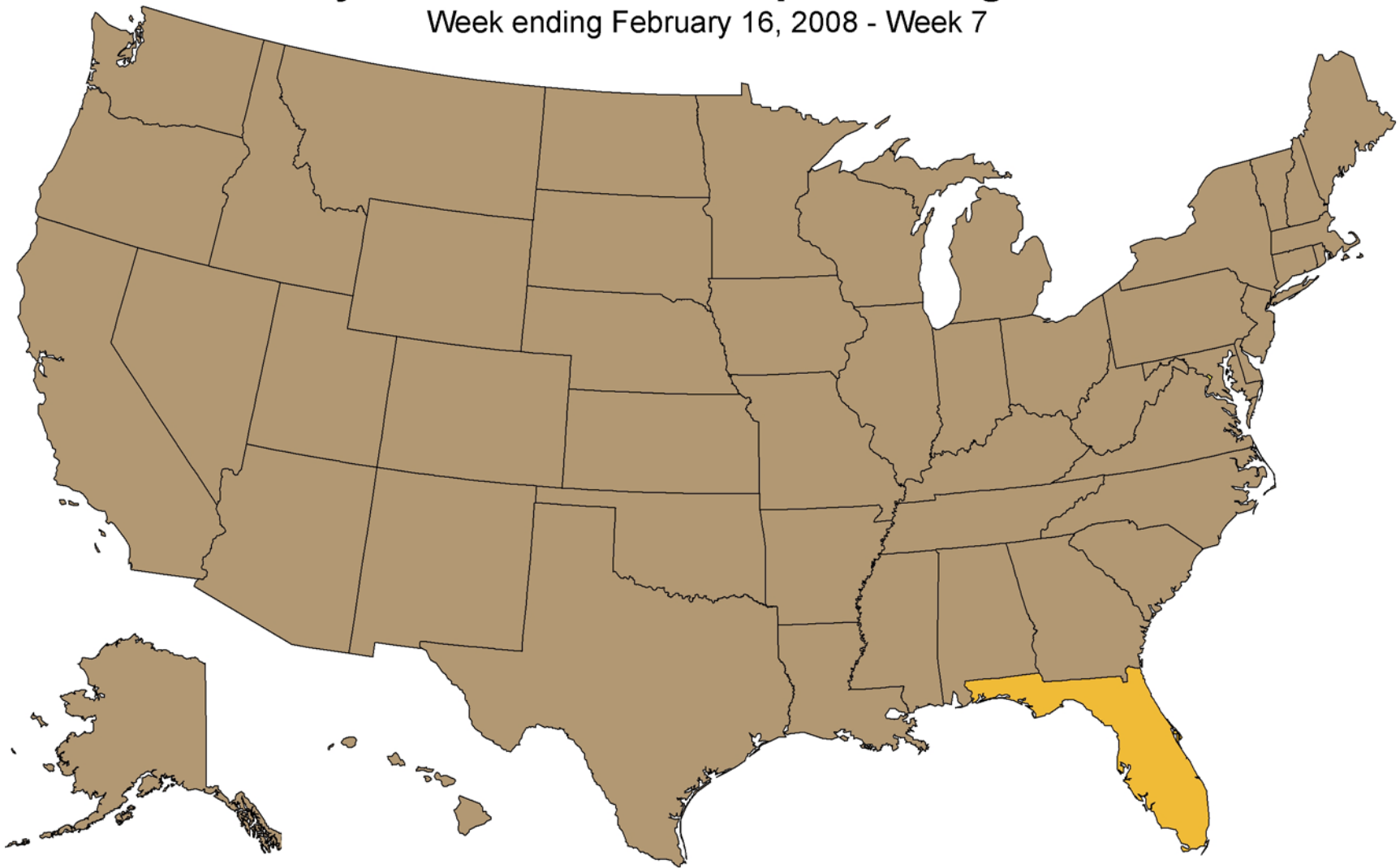


Widespread



Weekly Influenza Activity Estimates Reported by State & Territorial Epidemiologists*

Week ending February 16, 2008 - Week 7



No Report

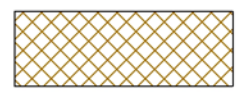
No Activity

Sporadic

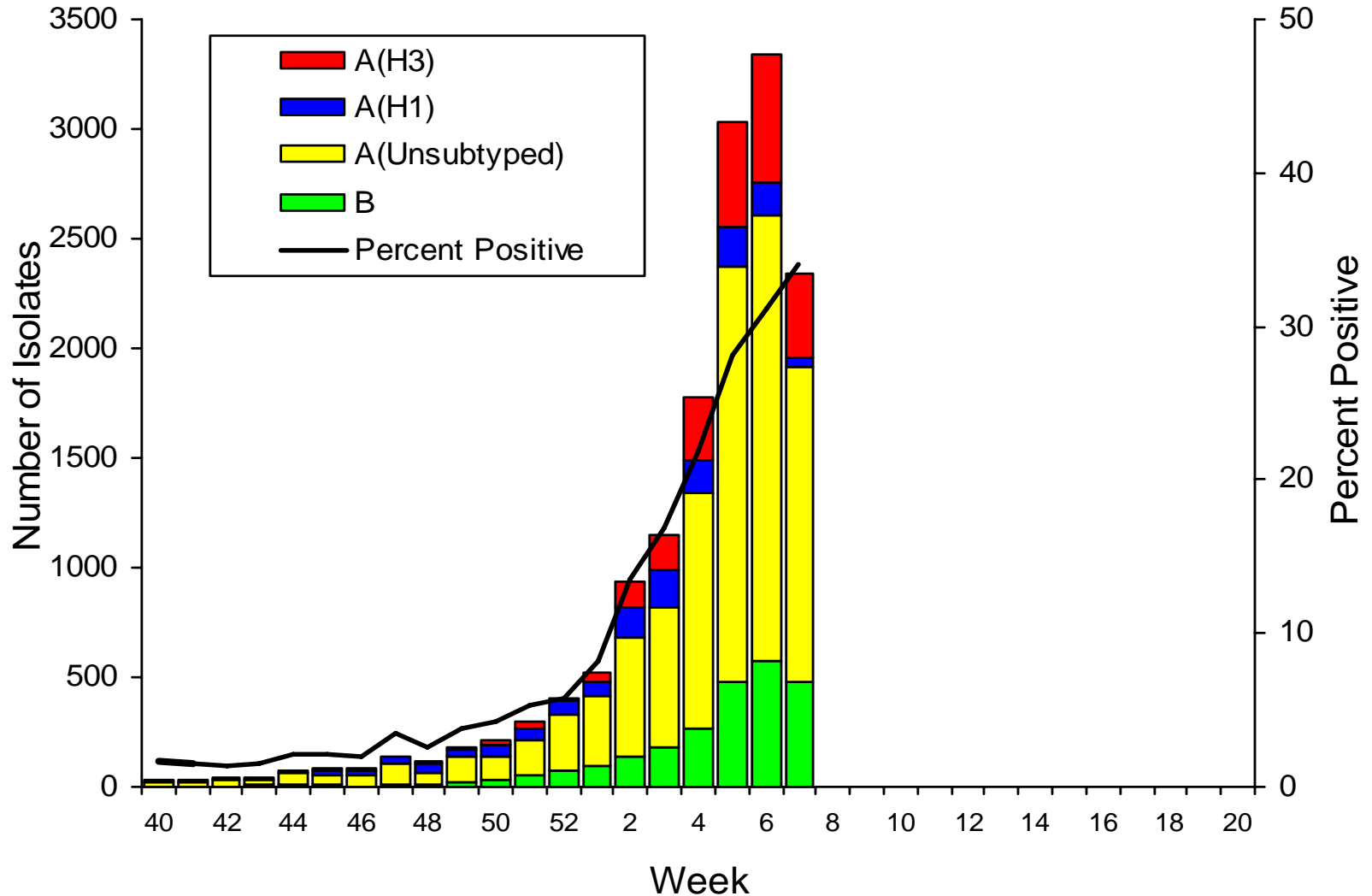
Local

Regional

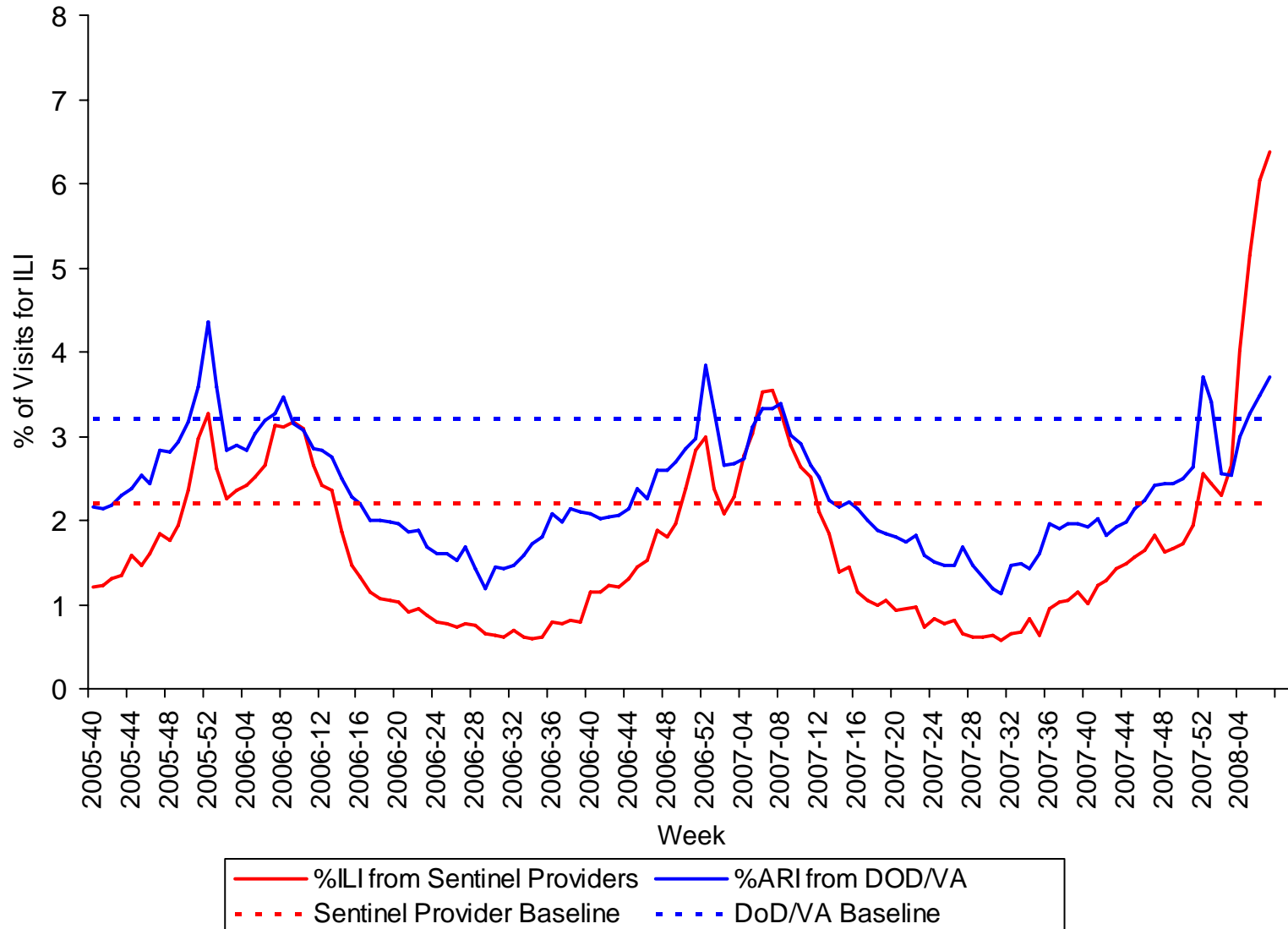
Widespread



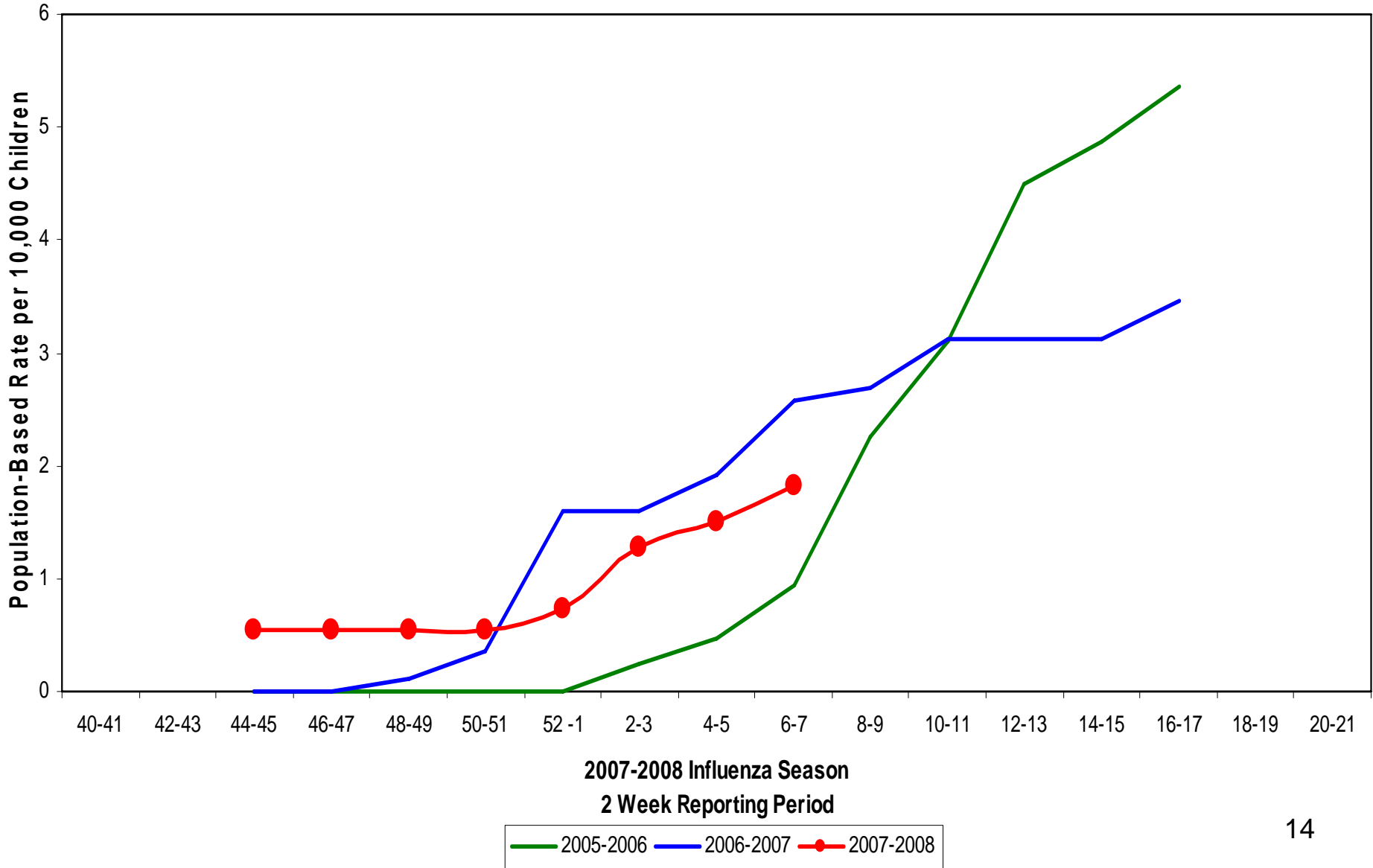
U.S. WHO/NREVSS Collaborating Laboratories National Summary, 2007-08



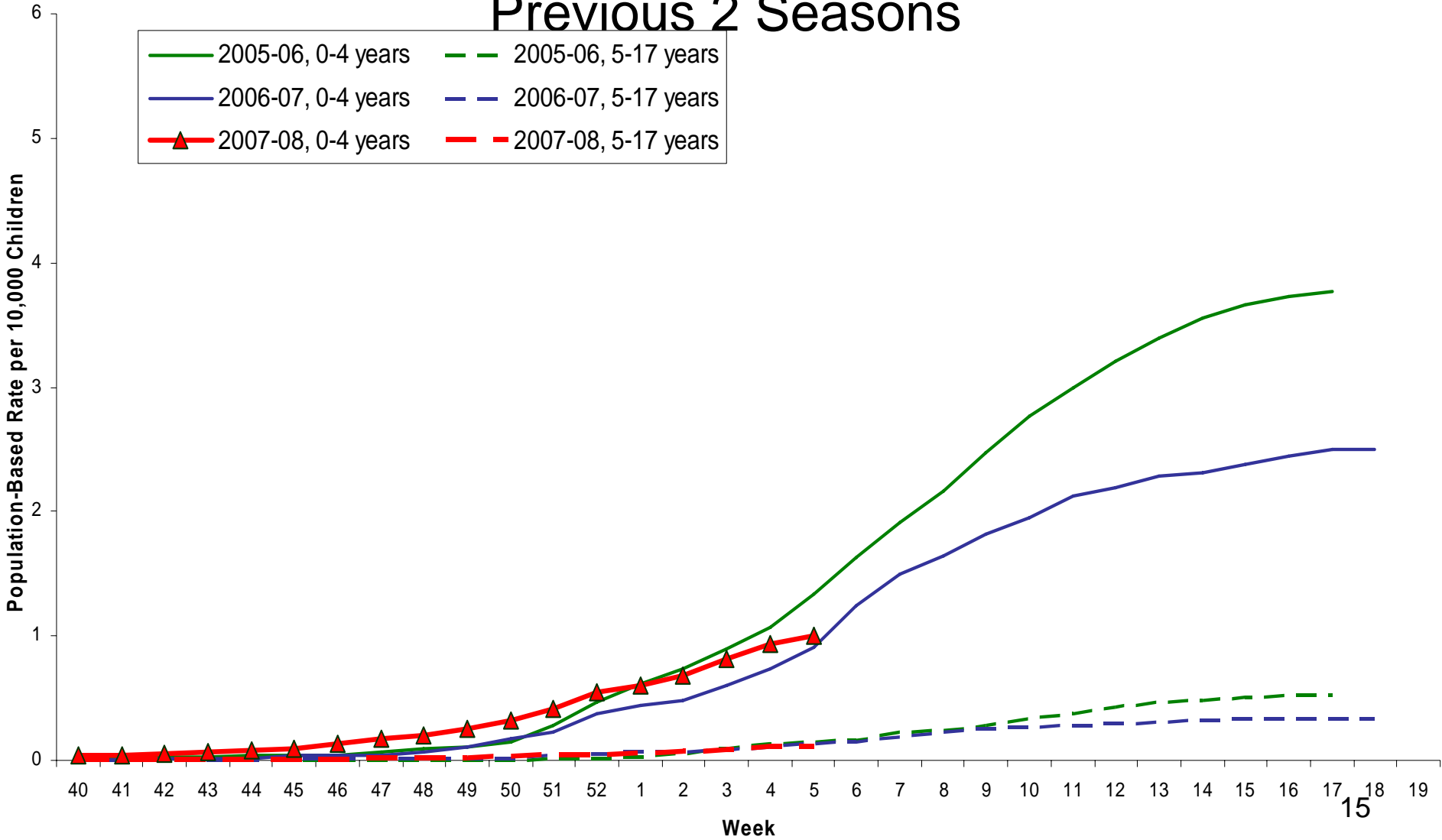
Percentage of Visits for ILI & ARI Reported by Sentinel Providers and BioSense Outpatient Facilities, National Summary



**New Vaccine Surveillance Network (NVSN)
 Laboratory-Confirmed Influenza: Cumulative Hospitalization
 Rates for Children 0 - 4 Years, 2007- 08 and Previous 2 Seasons**



Emerging Infections Program Laboratory-Confirmed Influenza Cumulative Hospitalization Rates for Children Aged 0-4 and 5-17 years, 2007-2008 and Previous 2 Seasons



Surveillance for Deaths among Children with Laboratory-Confirmed Influenza Virus Infection, 2007-08 Season

- As of February 23, 2008, CDC has received 24 reports of influenza-associated deaths among children <18 years old
 - Median age 4.2 years (range, 29 days – 15 years)
 - Of 18 tested for bacterial coinfection, 9 had *S. aureus* invasive infection
 - 5 MRSA
 - Vaccination status
 - Unvaccinated or unknown (15)
 - Ineligible (< 6 months old) (3)
 - Vaccinated (1)
 - Partially vaccinated (1)
 - Unknown (4)
- 2006-2007: 73 deaths
- 2005-2006: 47 deaths
- 2004-2005: 46 deaths
- 2003-2004: 153 deaths

