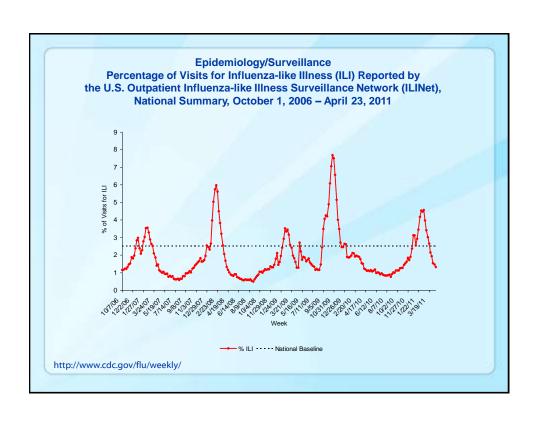


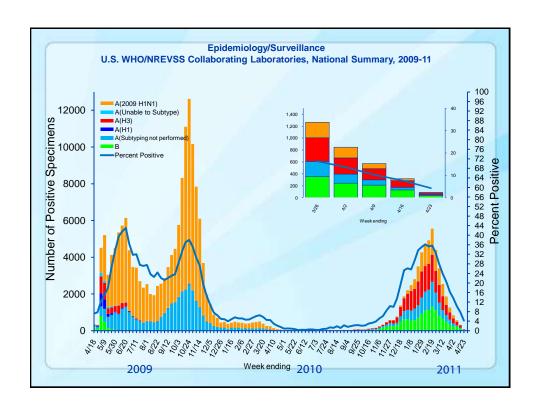
### 2010-2011 Influenza Season: Vaccination program challenges and accomplishments

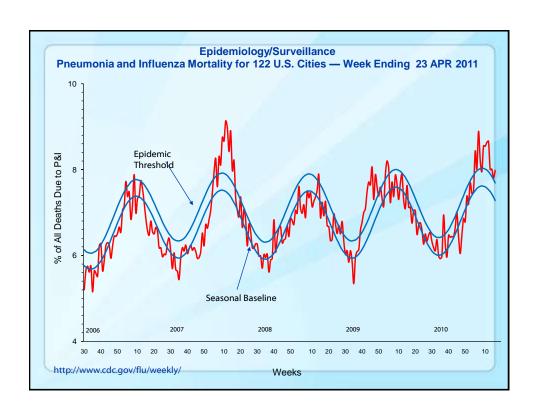
- Challenges
- Overview of the flu season
- How to increase vaccination coverage?
  - Universal recommendation
  - Safe, well-matched vaccine
  - Increased vaccine supply
  - Diverse venues offering vaccination
  - Education and outreach
- Estimated vaccine coverage

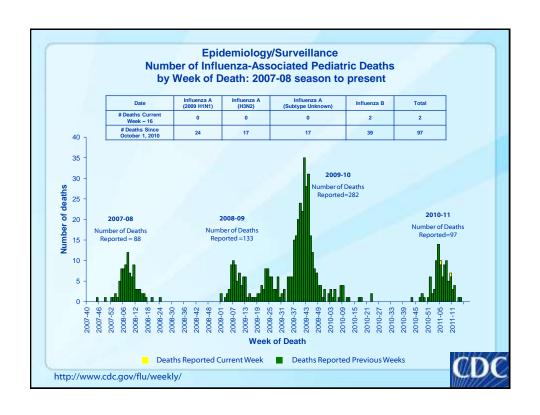
### 2010-2011 Influenza Season Challenges

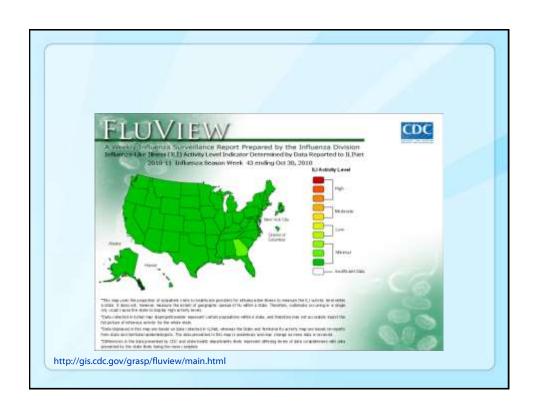
- First "post-pandemic" season
  - High seasonal vaccine coverage in 2009-10 driven by pandemic
  - Public interest in vaccination?
- First season with universal flu vaccination recommendations
- Unprecedented vaccine supply
- New venues for vaccination

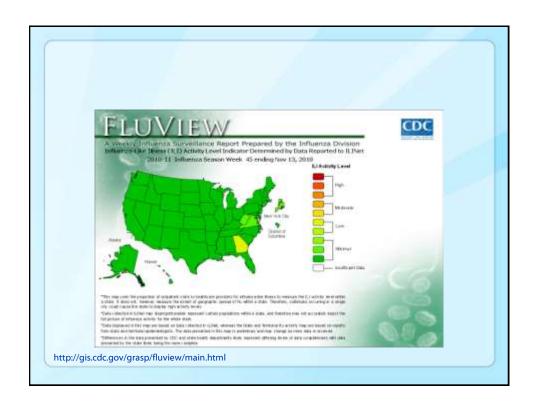


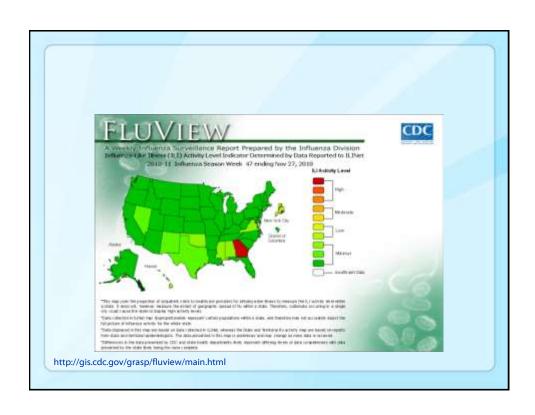


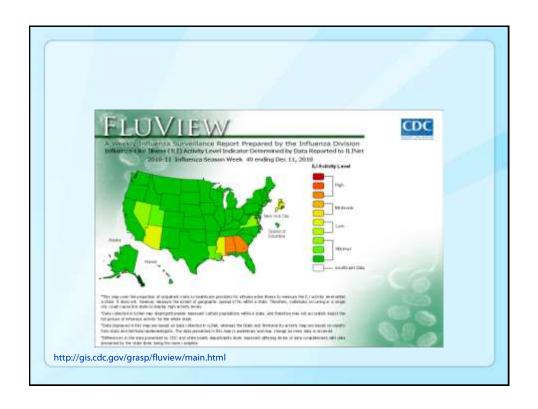


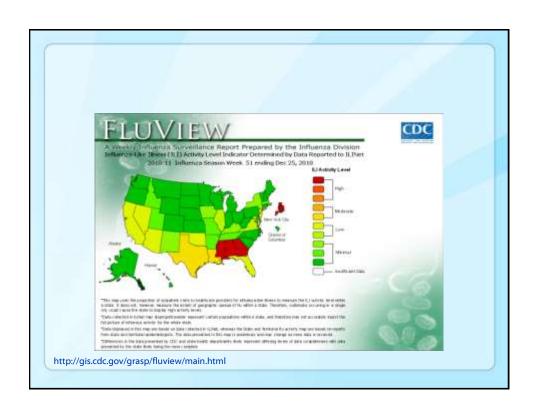


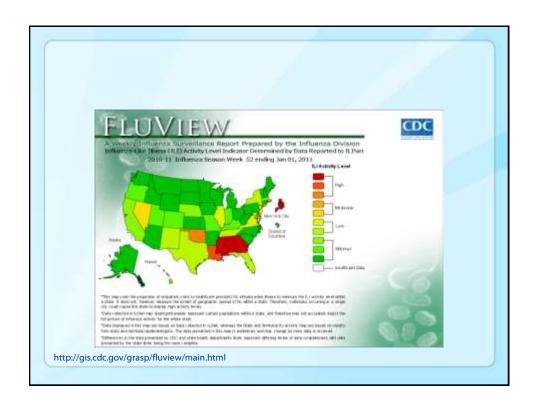


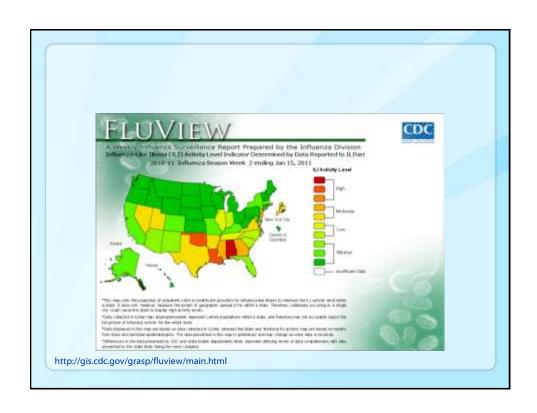


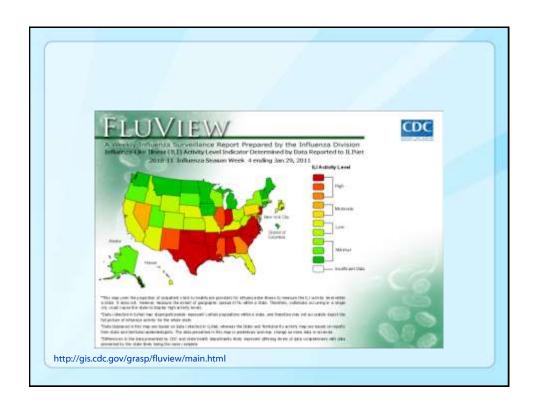


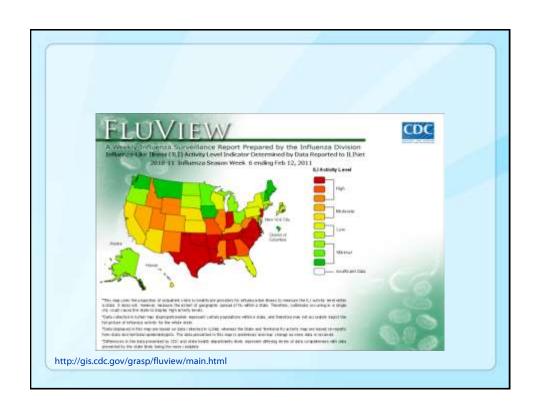


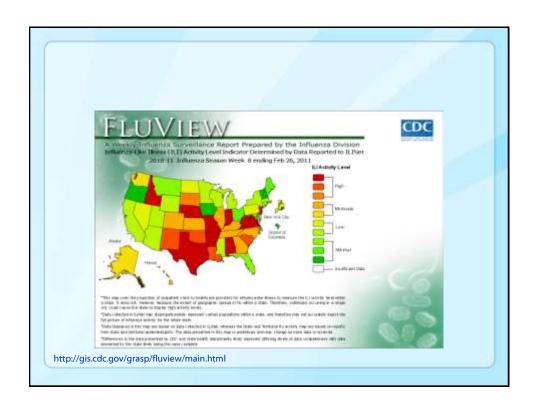


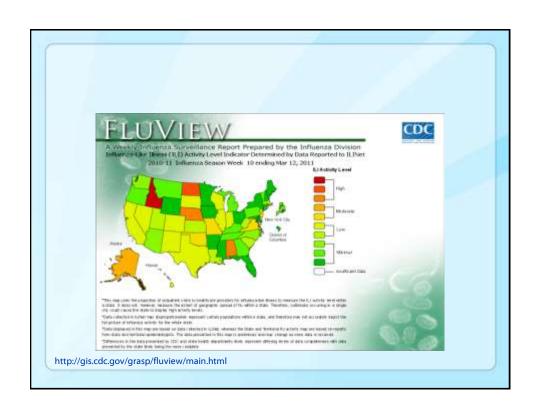


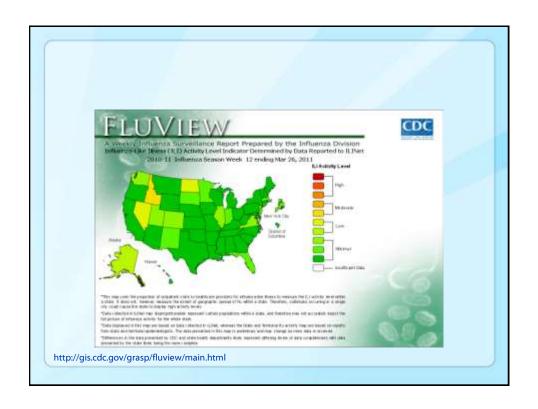


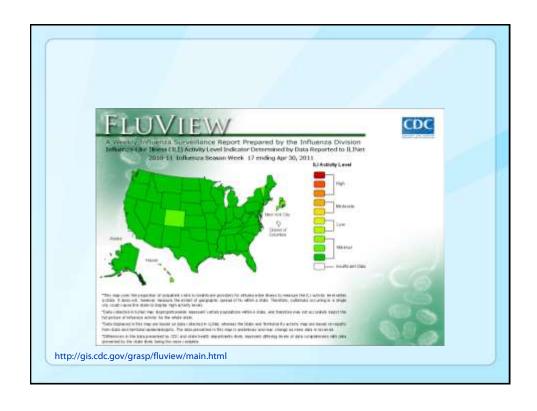








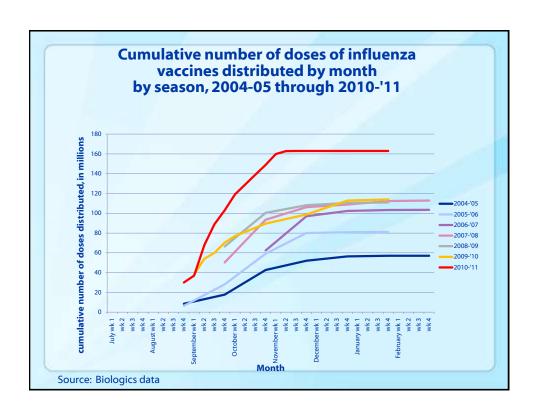


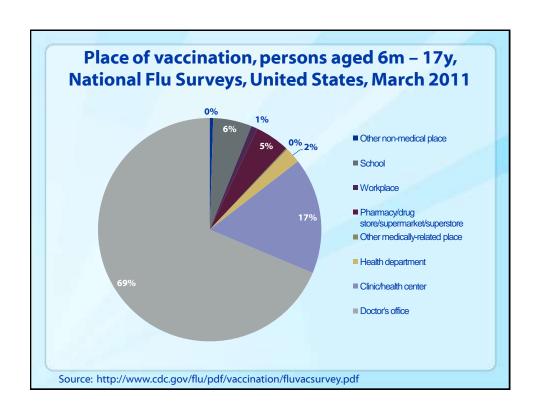


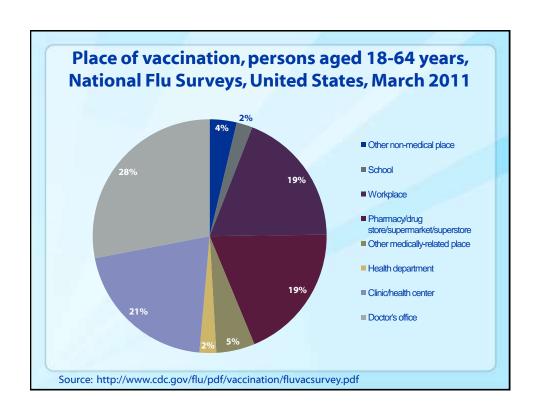
#### How safe was the 2010-2011 influenza vaccine?

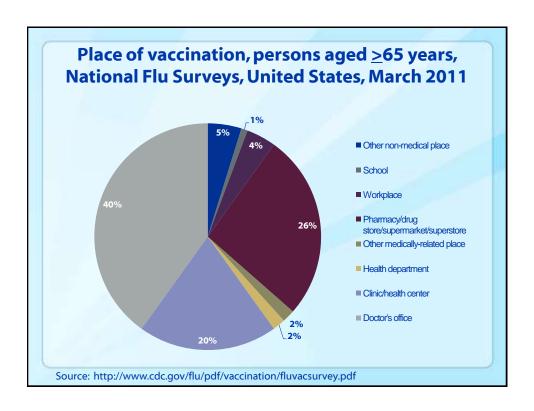
- □ Background: association of CSL TIV with febrile seizures Australia, Fall 2010
- □ VSD detects an increased rate of febrile seizures in 12 -23 month olds with concurrent use of TIV and PCV13\*
- □ Attributable risk: 61 febrile seizures per 100,000 concurrent doses of TIV, PCV13 in 12 -23 month olds
- □ No elevated risk for TIV without PCV13
- Referred to ACIP General Recommendations Working Group
  - Possible missed opportunities if concomitant vaccination is discouraged
  - Risk/benefit of vaccination vs. infection

\*http://www.cdc.gov/vaccines/recs/acip/slides-feb11.htm#immunsafety









# Place of Influenza Vaccination Among Pregnant Women and HealthCare Personnel, 2010-11 Influenza Season November 2010 Internet Panel Survey -- United States

- ☐ By mid-November 2010, 49% of *pregnant women* were or definitely intend to be vaccinated this influenza season
- Place of vaccination
  - Doctor's office (57%).
  - Pharmacy or drug store (12%)
  - Work place (8%)
  - Hospital (7%)
- □ By mid-November 2010, 62% of *HCP* were already or definitely intended to be vaccinated this influenza season
- ☐ The most common place of vaccination was at work (79%)

#### Source:

http://www.cdc.gov/flu/pdf/vaccination/DingInternetPanelSurveyPregnantWomen.pdf; http://www.cdc.gov/flu/pdf/vaccination/BlackNovemberHCPsurveyResults.pdf



iroup	2008-09 (%)1	2009-10 (%) <sup>2</sup>	2010-11(%)
verall (persons aged <u>&gt;</u> 6 mos)	33	41	42
Children, 6 mos-17 years	29	44	46 - 50
6 mos-4 years	44	62	54 - 61
Persons ≥ 18 yrs	34 - 36	40	41
Persons 18-49 yrs, at high risk	33	38	35
Persons 19-49 yrs, not at high risk	20 - 23	28	26
Persons 50-64 yrs	40 - 42	45	46 - 48
Persons ≥ 65 yrs	66 - 67	70	70 - 75

## Seasonal Influenza Vaccination Coverage by Race/Ethnicity: 2008-09 thru 2010-11 Seasons

Group	2008-09 (%) 1	2009-10 (%) <sup>2</sup>	2010-11 (%) <sup>3</sup>
Race/ethnicity (adults)			
White, non-Hispanic	37 – 39	44	45
Black, non-Hispanic	26 – 27	33	38(±11)
Hispanic	22 – 25	29	29
Race/ethnicity (children)			
White, non-Hispanic	30	43	47 - 48
Black, non-Hispanic	30	37	30 (±20) - 50
Hispanic	31	47	54(±15) - 58

- 1. NHIS estimates, online at: <a href="http://www.cdc.gov/vaccines/stats-surv/nhis/2009-nhis.htm">http://www.cdc.gov/vaccines/stats-surv/nhis/2009-nhis.htm</a>; unpublished 2008-09 BRFSS
- 2. BRFSS/NHFS, online at: http://www.cdc.gov/flu/professionals/vaccination/coverage\_0910estimates.htm; MMWR, January 14, 2011/60; and unpublished
- 3. March 2011 NFS, online at: <a href="http://www.cdc.gov/flu/professionals/vaccination/vaccinecoverage.htm">http://www.cdc.gov/flu/professionals/vaccination/vaccinecoverage.htm</a>; unpublished data, NIS, CDC; unpublished data, BRFSS, CDC

### Seasonal Influenza Vaccination Coverage of HCP and Pregnant Women: 2008-09 thru 2010-11 Seasons

Group	2008-09 (%)	2009-10 (%)	2010-11 (%)
Pregnant women	6-19 <sup>1</sup>	32-51 <sup>3</sup>	44(±28)-49 <sup>5</sup>
Health care personnel	53 <sup>2</sup>	62 <sup>4</sup>	62 - 65(±10) <sup>5</sup>
Hospital staff		72	68 (±5.3)
Ambulatory/Outpatient/Dental		64	60 (±6.5)
Long Term Care		54	48 (±8.4)
Other		48	40 (±6.6)

- 1. MMWR, August 6, 2010 / 59(rr08);1-62
- 2. NHIS estimates, online at: <a href="http://www.cdc.gov/vaccines/stats-surv/nhis/2009-nhis.htm">http://www.cdc.gov/vaccines/stats-surv/nhis/2009-nhis.htm</a>; unpublished 2008-09 BRFSS
- 3. MMWR, December 3, 2010 / 59(47);1541-1545 and CDC unpublished NHFS data
- 4. MMWR, April 2, 2010/59(12);357-362
- NFS (unstable estimates) and internet panel estimates, online at: <a href="http://www.cdc.gov/flu/professionals/vaccination/vaccinecoverage.htm">http://www.cdc.gov/flu/professionals/vaccination/vaccinecoverage.htm</a>

### Vaccination in the 2010-2011 Influenza Season: What did the US achieve?

- Despite the expected challenge of "flu fatigue", overall vaccine coverage maintained last season's increases
  - Children
  - Pregnant women
  - Health care personnel in hospitals
- Multiple venues were accessed for vaccination
- Challenges for the coming season
  - Maintain the gains
  - Vaccination coverage among adults with risk conditions ~ 35%
  - Vaccination coverage among healthcare personnel in long term care and other settings

