

Monthly Influenza Vaccination Uptake: United States, 2007-08 & 2008-09

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PURPOSE

- Show 2008-09 and/or 2007-08 national monthly distribution of influenza vaccination from three data sources—NHIS, BRFSS, SDI—by selected key population sub-groups
- 2. Compare SDI estimated monthly pattern of influenza vaccination uptake during the past two seasons with patterns from NHIS and BRFSS

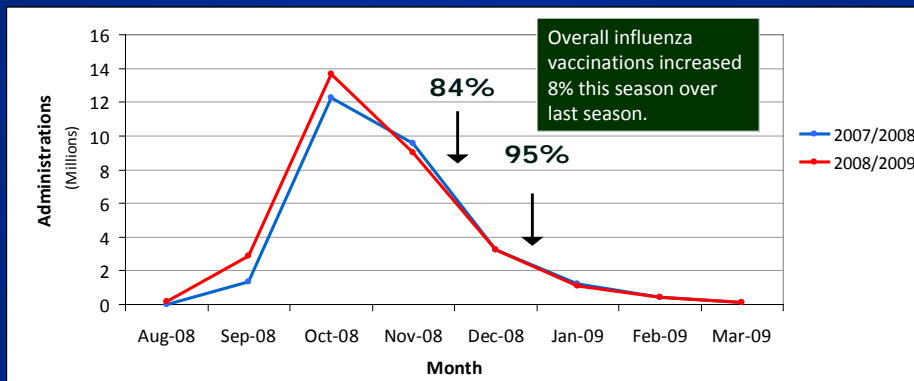


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Influenza vaccinations, physician offices 2008-09 & 2007-08 *



*Flu administrations (n): 2008-09 = 1.8M; 2007-08 = 1.6M

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Estimating seasonal coverage of influenza vaccination, NHIS

- NHIS data sets with the final full-season coverage data are posted 14 months after the season, in **June**
 - April – July interviews provide full-season coverage
- Early release selected results are posted 6 months following each quarter
 - In **June**, 2 months post season, December interviews provide:
 - Aug – Nov uptake
 - Predict full-season coverage for past season using past monthly uptake curves
 - In **Sept**, March interviews can be used for past season's preliminary near-full-season coverage.

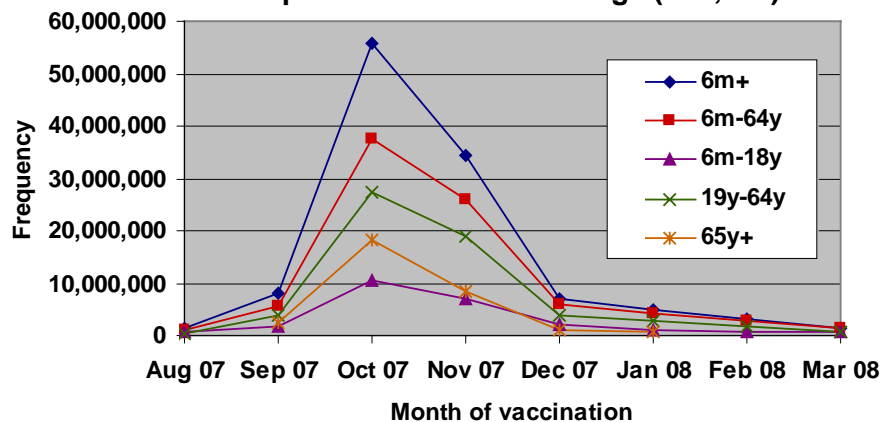


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Figure 1. Influenza vaccinations, 2007-08 season by age & month for persons 6 months of age (n=3,807)



Data source: CDC/NCHS, National Health Interview Survey, 2008 preliminary data. Estimates based on household interviews; sample of noninstitutionalized civilians.

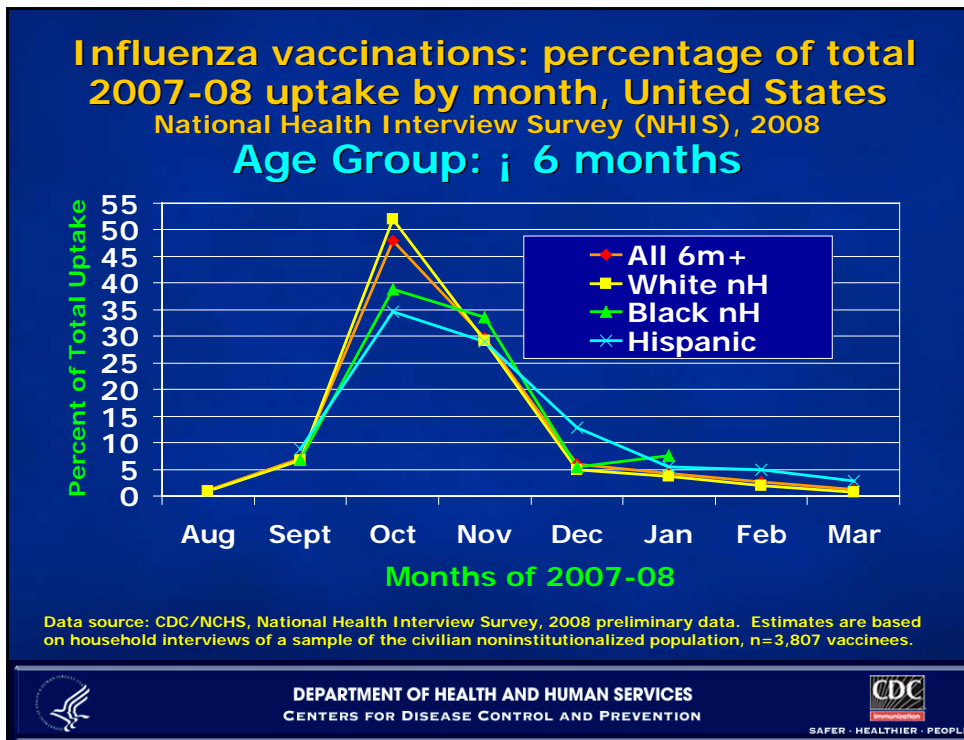
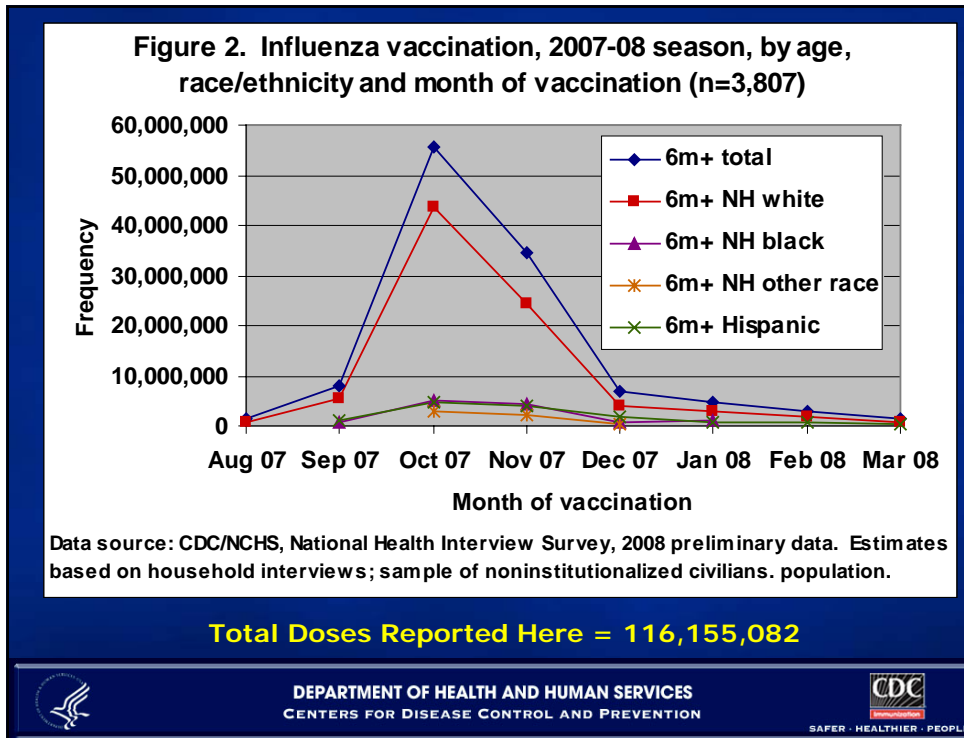
Note: 116,155,092 reported doses received (plus 3.1 million child 2nd doses); 115 million doses distributed (minus 5% for wasted doses); Equals a 9% over-reporting bias (119.3/109.3 million = 1.09)

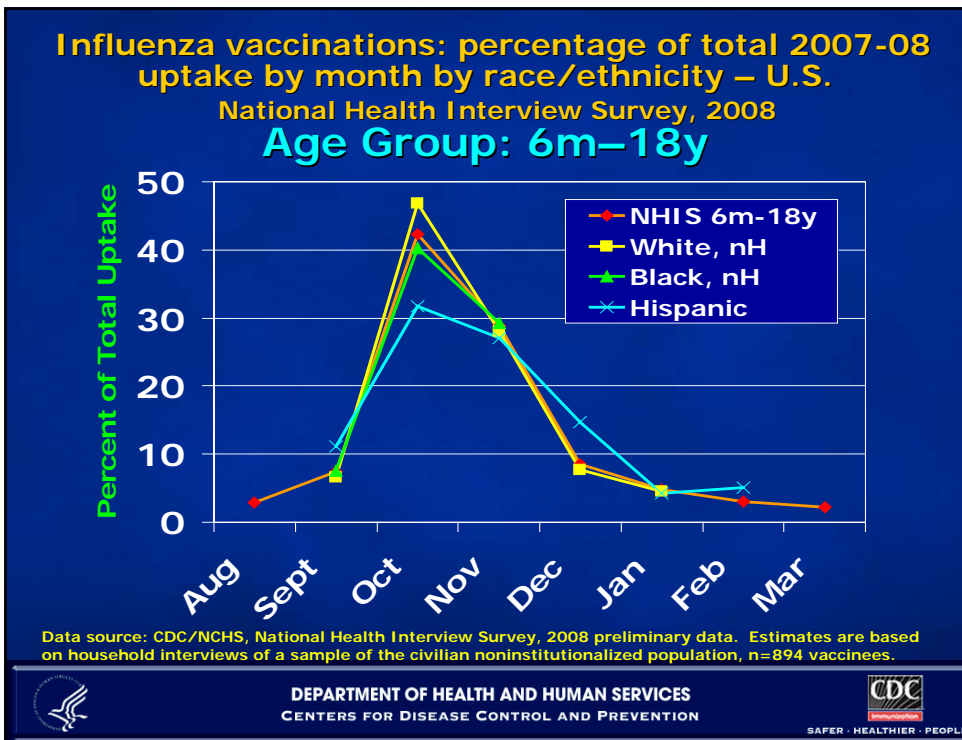
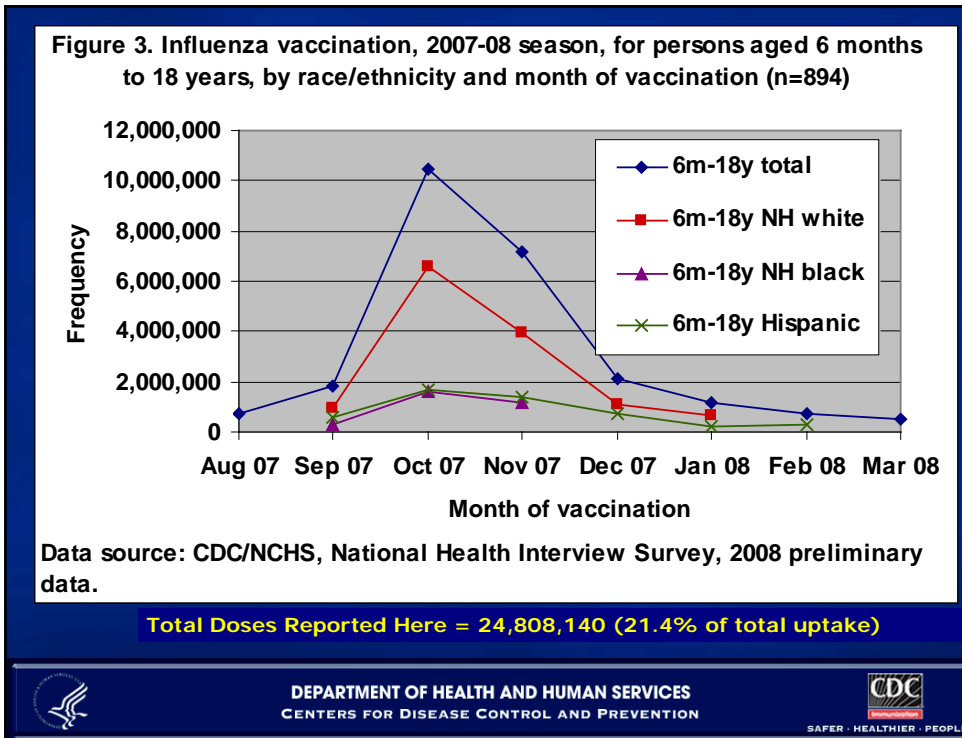


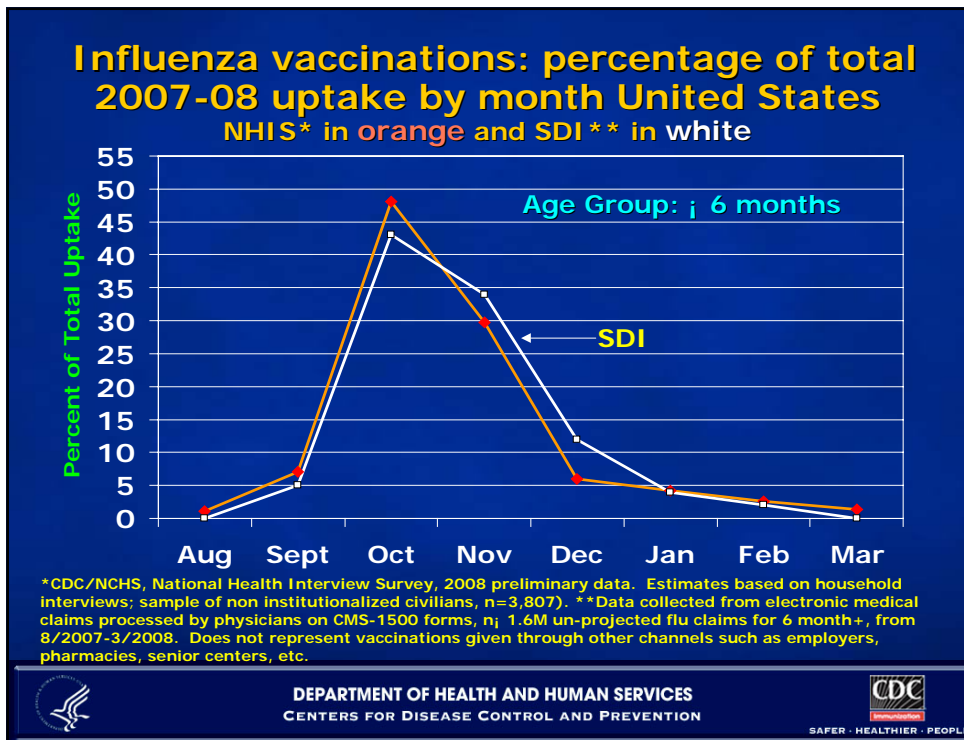
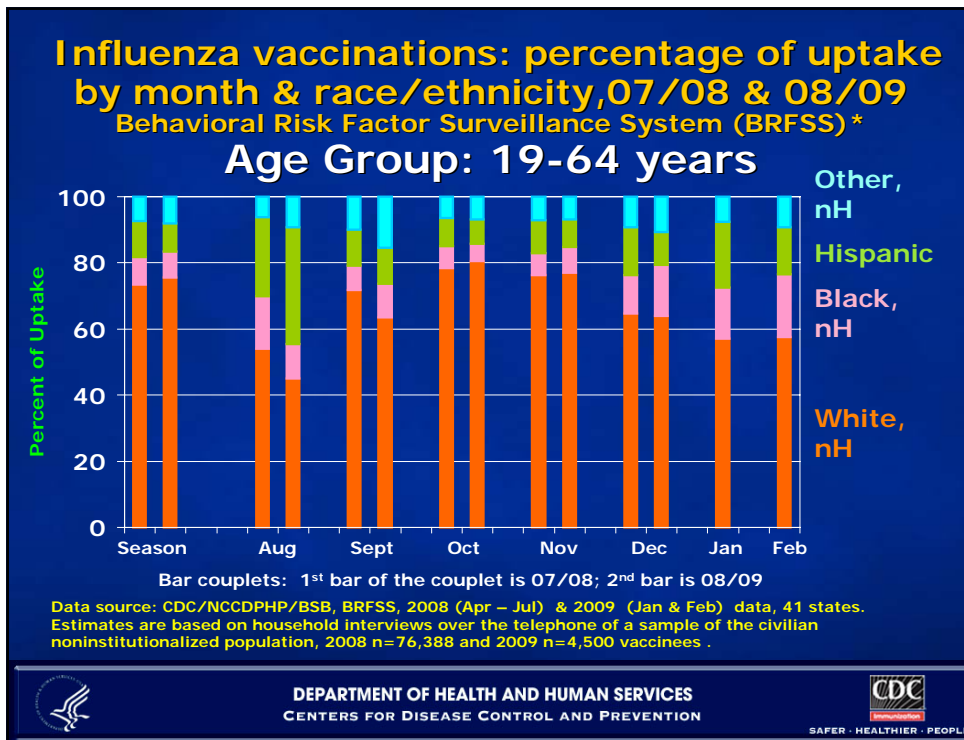
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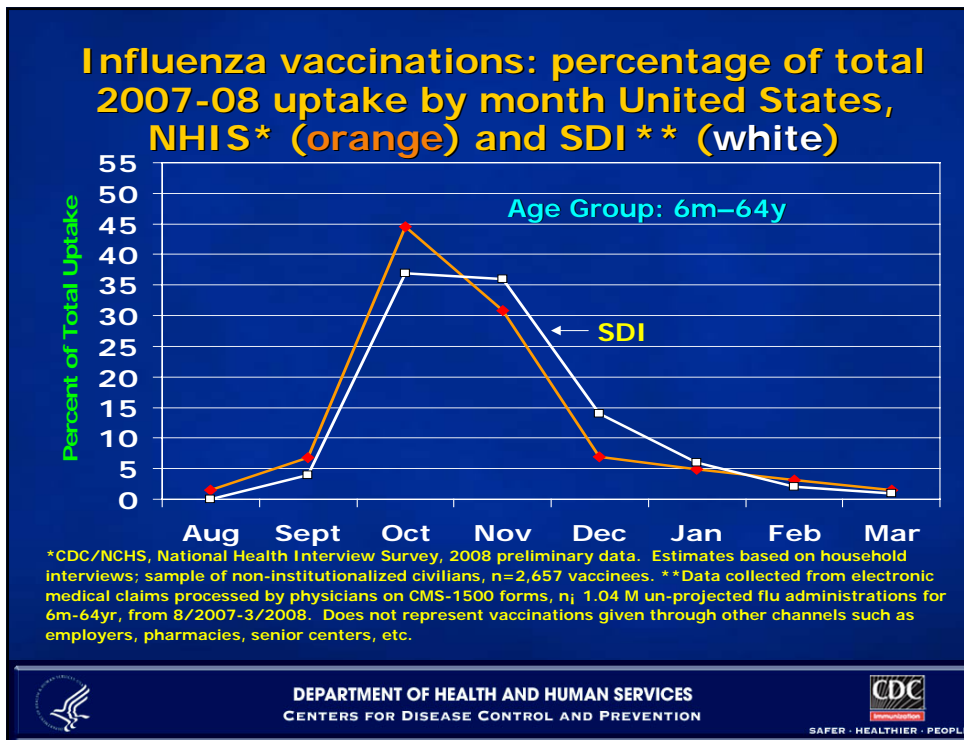
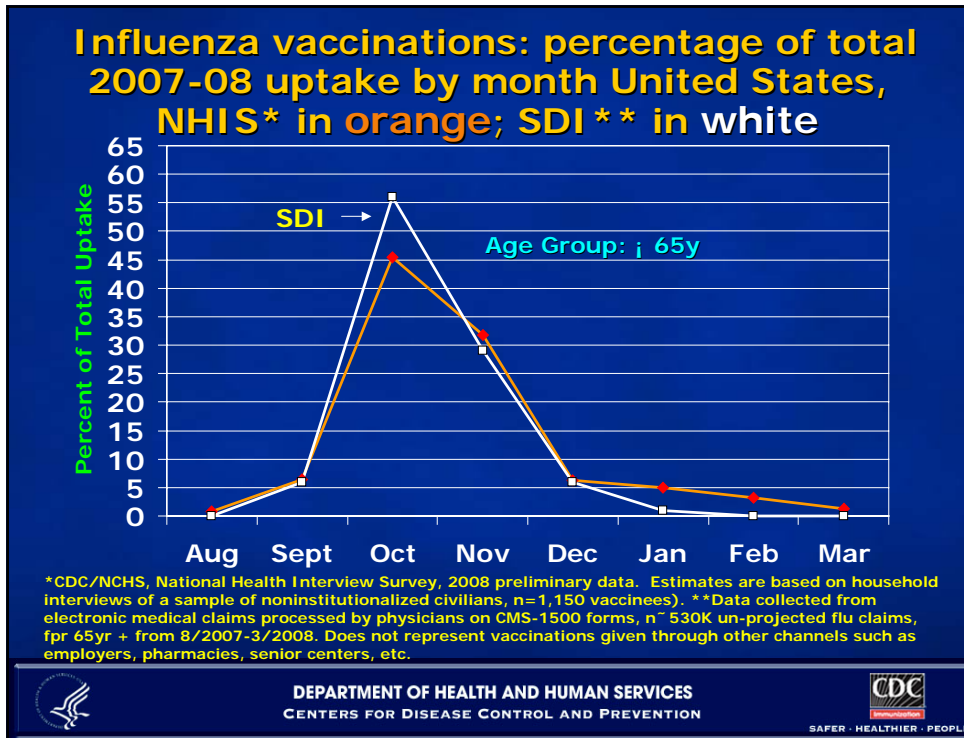


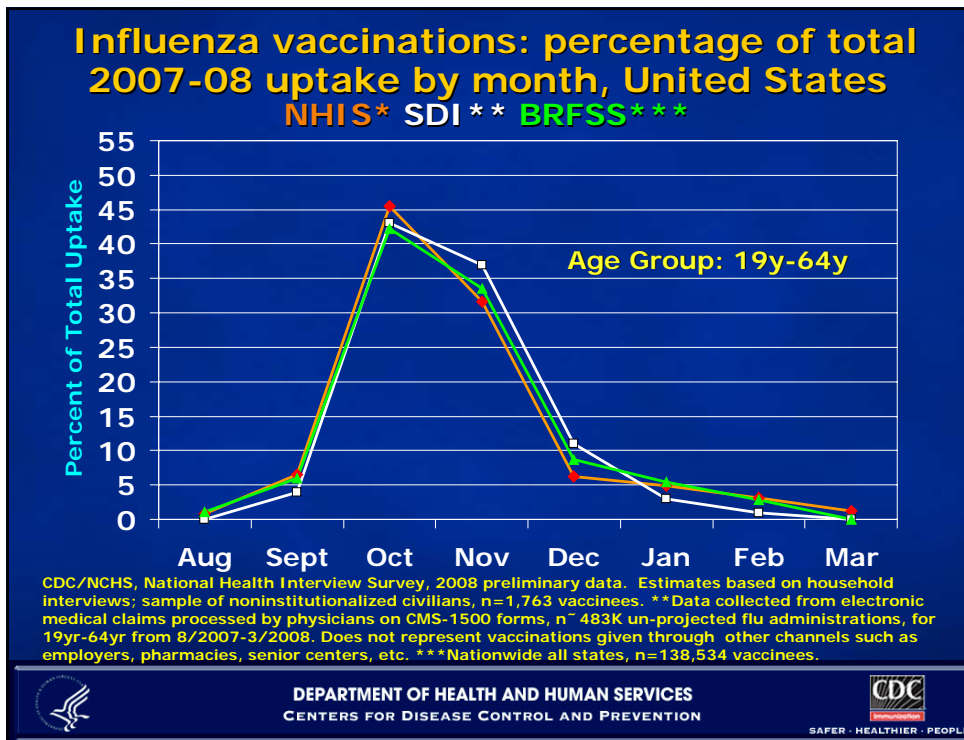
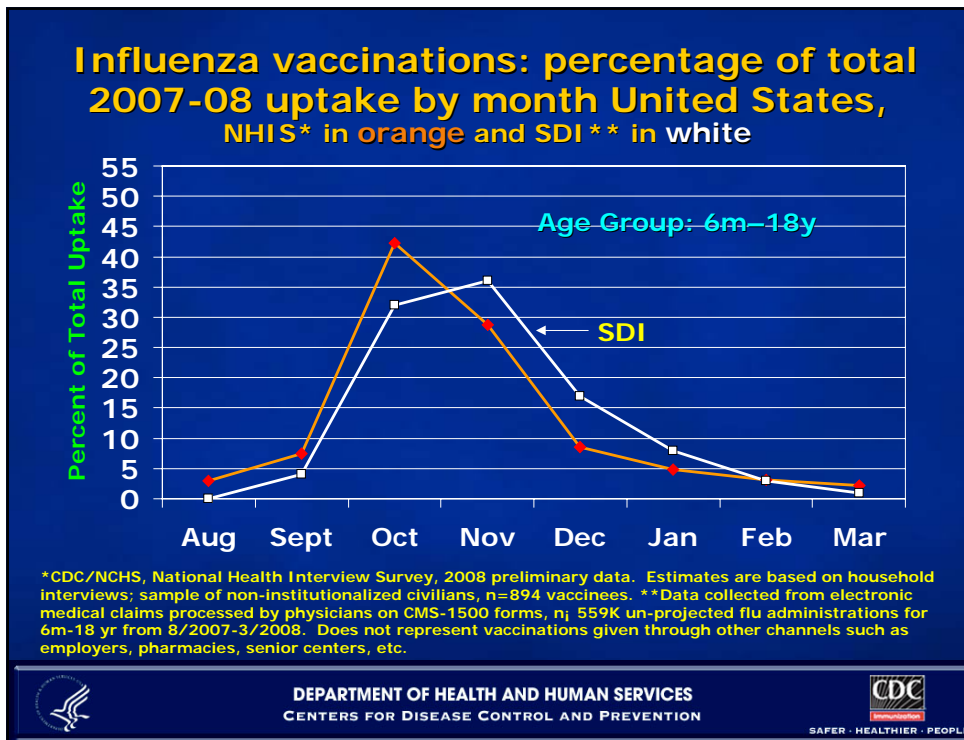
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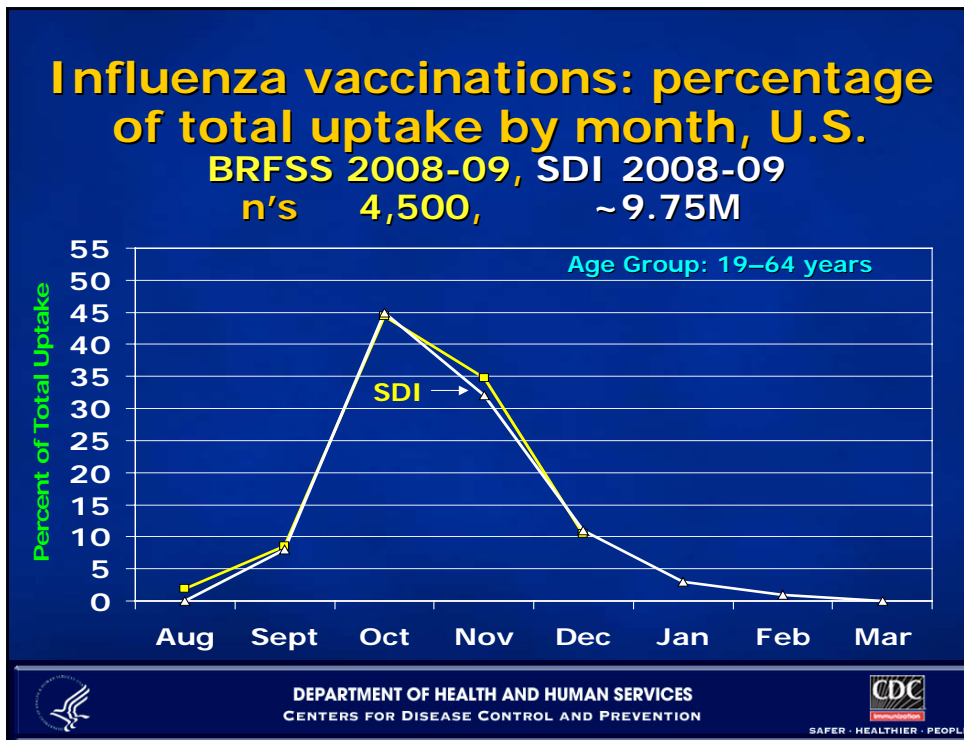
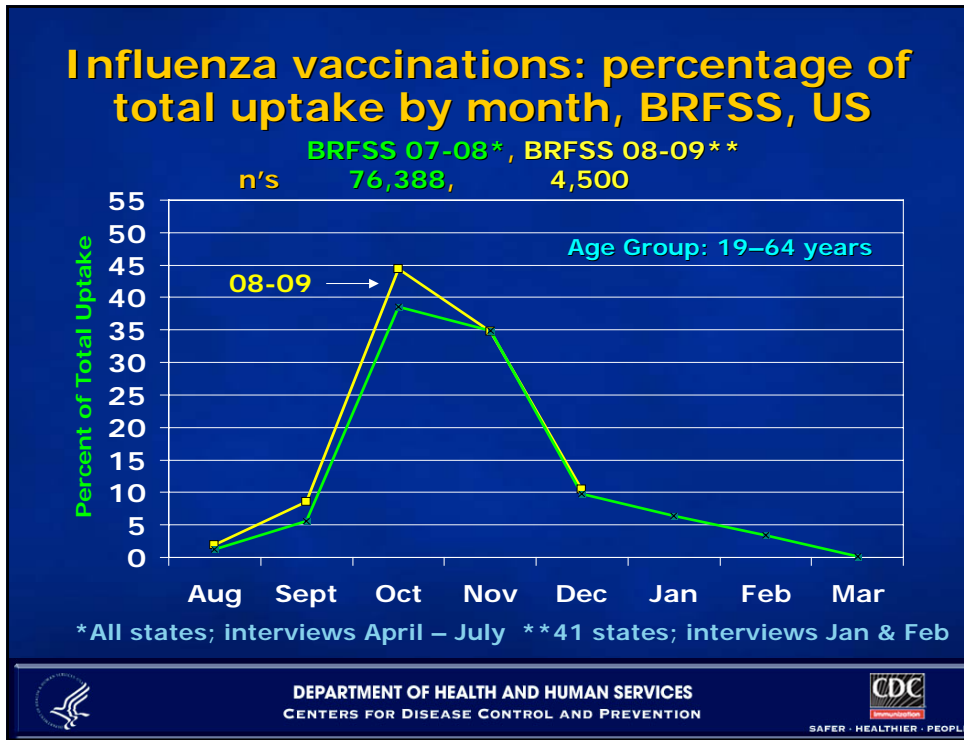












Summary & Conclusions-1

- Vaccination uptake according to SDI, increased by 8% in 2008-09 compared to 2007-08; 84% of doses were administered by end of Nov; 95% by end of Dec.
- Monthly distribution of vaccination uptake was quite similar season to season with possibly a greater proportion in Sept and Oct during 2008-09
- Hispanics were over-represented among vaccinees a lot in Aug, some in Jan; blacks some Dec & Jan, more in Feb



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Summary & Conclusions-2

- Physician-processed claims have similar pattern to self-report by month, slightly lower in Oct and higher in Nov and especially in Dec; shift to the right more pronounced among children
- BRFSS showed very similar monthly vaccination distribution patterns as NHIS & SDI, and in 2007-08 compared to 2008-09



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