

2010 Immunization Update

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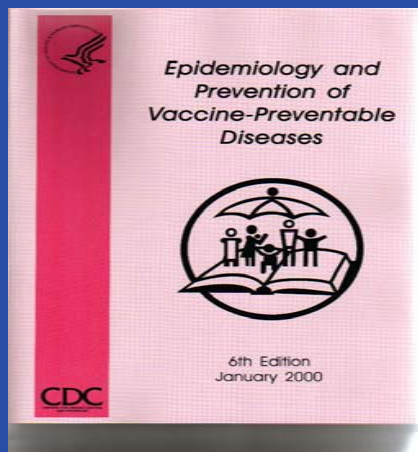
Disclosures

- **Speaker has no financial conflict with manufacturers of any product named in this presentation**
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SAVE THE DATE!

CDC Epidemiology and Prevention of Vaccine Preventable Diseases 2010 Course

November 3-4, 2010 – Incline Village, NV



Brochure available in April, 2010

Two Rotavirus Vaccines



Pentavalent Combination Vaccines

- DTaP, Hib, IPV (**Pentacel®**)
- DTaP, Hep b, IPV (**Pediarix®**)



Many DTaP containing products

Know how to read the vials and syringes



Major Hib Vaccine Shortage Over

- **Hib vaccine supply**
 - PedvaxHIB (Merck) now available
- **Routine number of vaccine doses restored (July, 2009)**
 - Healthy children booster dose can be reinstated
 - “Catch-up” during routine visits
 - **Childcare law**
 - CDPH has issued a “Special Immunization Schedule” .
These requirements remain in effect for 2010
- **Hib vaccine shortage declared over September 18, 2009 now **Hiberix®** available for booster dose**

Replaced by



**COMPANY WHO MAKES THE VACCINE
PZIZER (WYETH)**

IMPORTANT NEWS

Pneumococcal Vaccine Expansion

- Emerging disease serotypes not in PCV 7 vaccine (19a)
- 6 expanded serotypes identified

Licensure completed for PCV 13

VFC providers will be notified shortly (by April 1) about migration to PCV 13

PCV 13 recommendations are the same as PCV7 (for now)

PLEASE: Review this vaccine with your staff

Influenza Virus Vaccine

Influenza vaccine composition:

2009-2010

A/Brisbane/59/2007 (H1N1)-like

A/Brisbane/10/2007 (H3N2)-like

B/Brisbane/60/2008-like

2010-2011

A/California/04/2009 (H1N1)

A/Perth/10/2009 (H3N2)-like

B/Brisbane/60/2008-like

Live Attenuated Influenza Vaccine (LAIV)



Inactivated Influenza Vaccine (TIV)





MMWR™

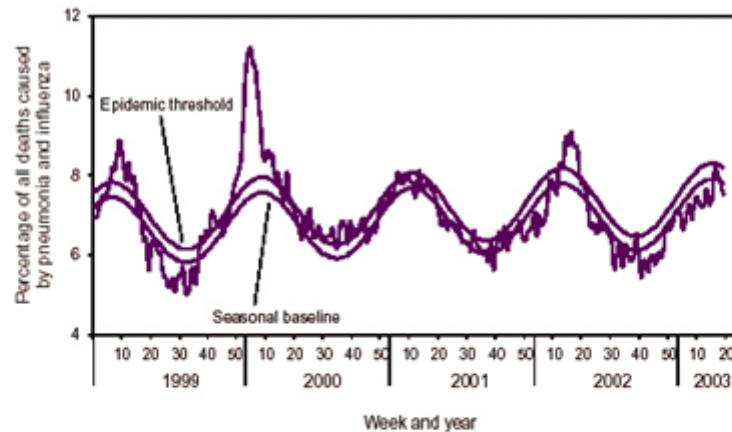
Morbidity and Mortality Weekly Report

Recommendations and Reports

July-August, 2010

Prevention and Control of Influenza

Recommendations of the Advisory Committee on Immunization Practices (ACIP)



INSIDE: Continuing Education Examination

DEPARTMENT OF HEALTH AND HUMAN SERVICES
CENTERS FOR DISEASE CONTROL AND PREVENTION

FLU VACCINE CATEGORIES



ANY QUESTIONS?

Flu Vaccine Identification Guide

Children 6–35 months old

Manufacturer	Brand Name	Presentation
sanofi pasteur	Fluzone® No Preservative ¹	0.25 mL single-dose syringe



Persons 36 months & Older*

Manufacturer	Brand Name	Presentation
sanofi pasteur	Fluzone® No Preservative ¹	0.5 mL single-dose vial
sanofi pasteur	Fluzone® No Preservative ¹	0.5 mL single-dose syringe
sanofi pasteur	Fluzone®	5.0 mL multi-dose vial



Persons 4 years & Older*

Manufacturer	Brand Name	Presentation
Novartis	Fluvirin®	5.0 mL multi-dose vial



Healthy Persons 5–49 years old*

Manufacturer	Brand Name	Presentation
MedImmune Vaccines, Inc.	FluMist®	0.2 mL single-dose nasal sprayer



Adults 18 years & Older*

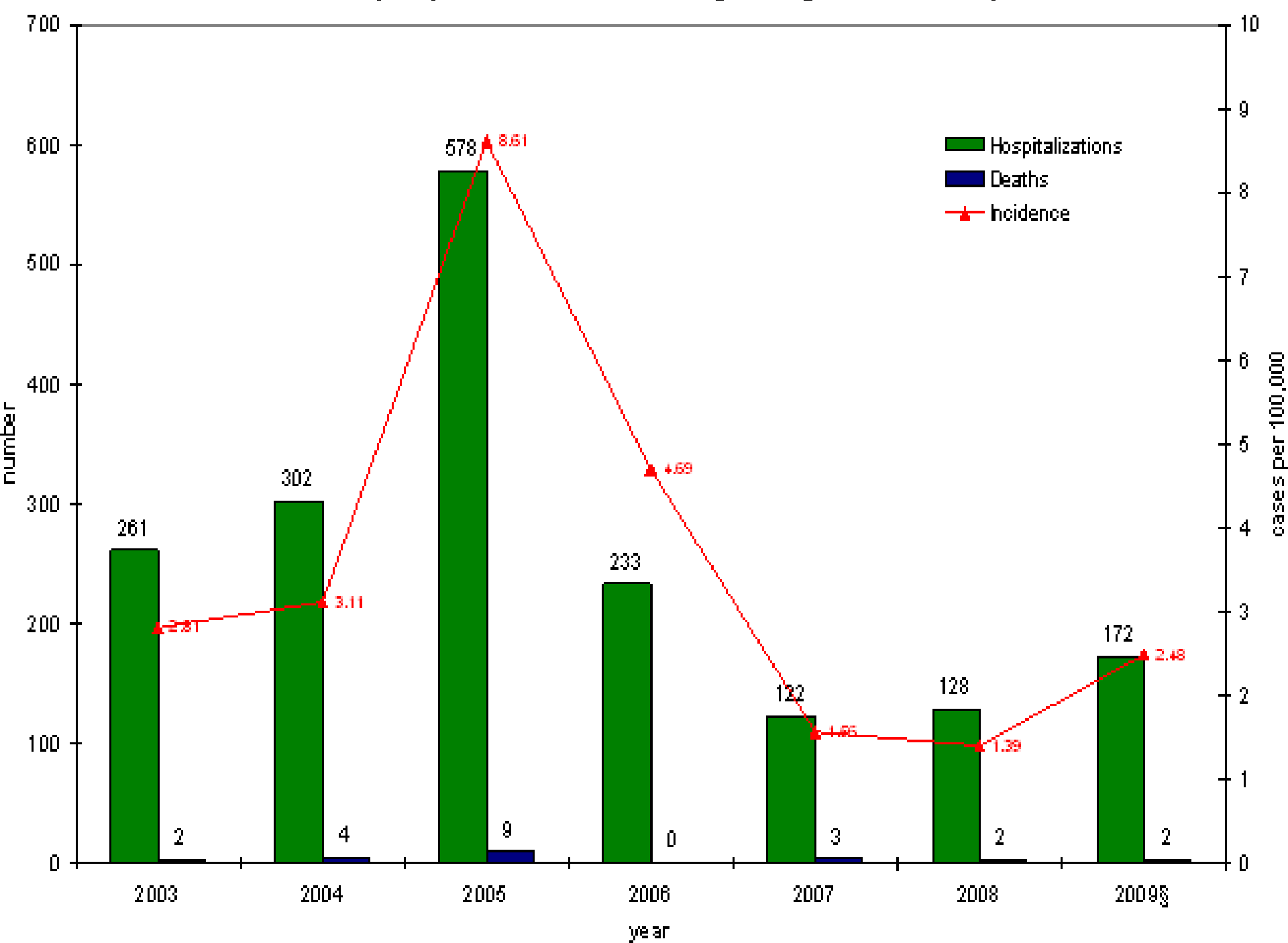
Manufacturer	Brand Name	Presentation
GlaxoSmithKline	Fluarix® No Preservative ¹	0.5 mL single-dose syringe
GlaxoSmithKline	Flulaval®	5.0 mL multi-dose vial



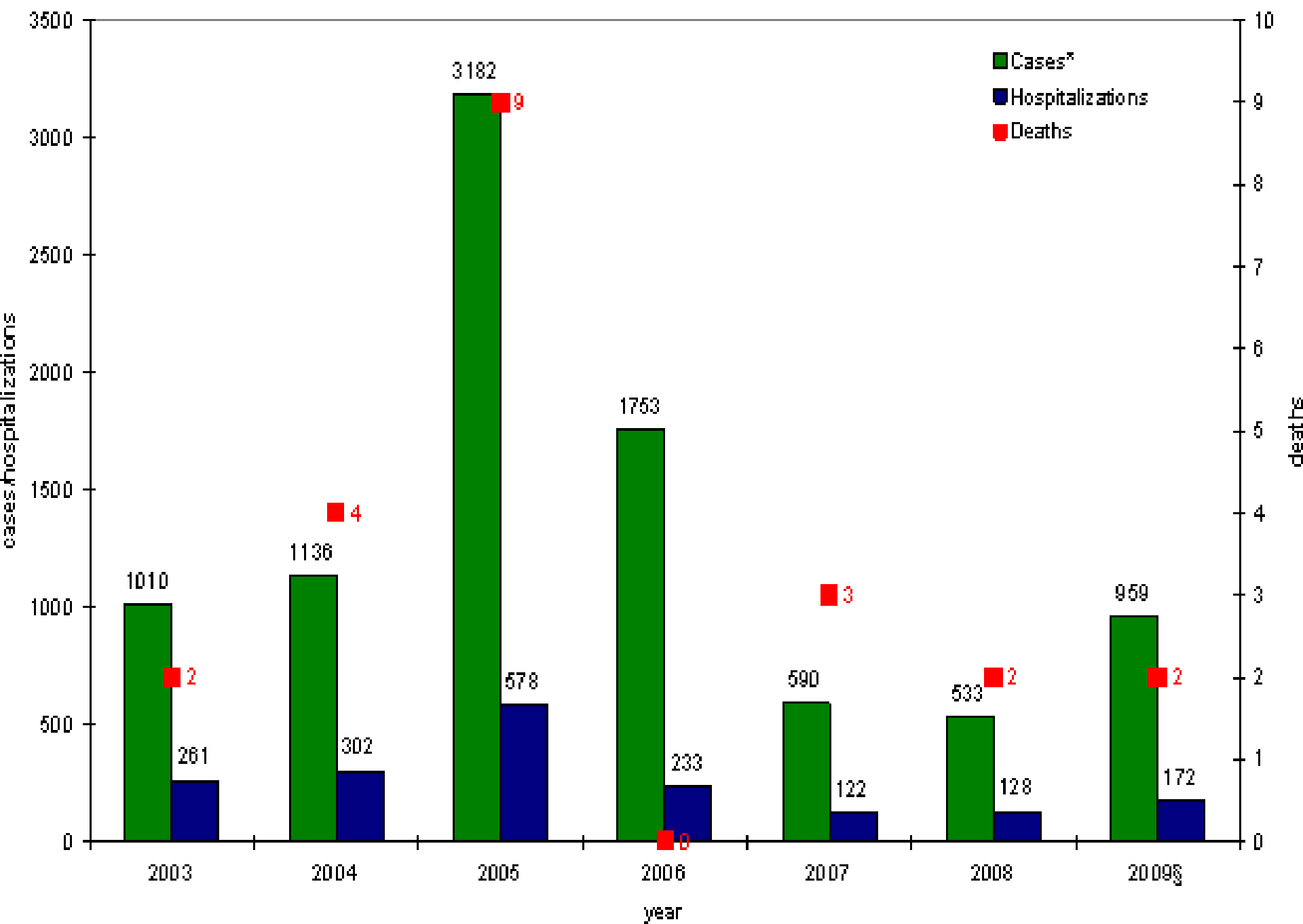
¹ Since July 1, 2006, California law (Health and Safety Code 124172) requires children younger than 3 years of age and pregnant women receive preservative-free influenza vaccine.

Tdap

Pertussis incidence, hospitalizations and deaths by onset year -- California, 2003-2009






Number of pertussis cases, hospitalizations and deaths, by onset year -- California, 2003-2009



Recommended Immunization Schedule for Persons Aged 7 Through 18 Years—United States • 2010

For those who fall behind or start late, see the schedule below and the catch-up schedule

Vaccine ▼	Age ►	7–10 years	11–12 years	13–18 years
Tetanus, Diphtheria, Pertussis ¹			Tdap	Tdap
Human Papillomavirus ²	see footnote 2		HPV (3 doses)	HPV series
Meningococcal ³		MCV	MCV	MCV
Influenza ⁴		Influenza (Yearly)		
Pneumococcal ⁵		PPSV		
Hepatitis A ⁶		HepA Series		
Hepatitis B ⁷		Hep B Series		
Inactivated Poliovirus ⁸		IPV Series		
Measles, Mumps, Rubella ⁹		MMR Series		
Varicella ¹⁰		Varicella Series		

 Range of recommended ages for all children except certain high-risk groups
 Range of recommended ages for catch-up immunization
 Range of recommended ages for certain high-risk groups

Two Human Papillomavirus Vaccines (HPV)

- Gardasil™
Currently available in VFC
- Cervarix™

Letter to VFC providers when federal contract approved



MCV 4

Currently available vaccine MCV 4

Menactra® (sanofi-pasteur)

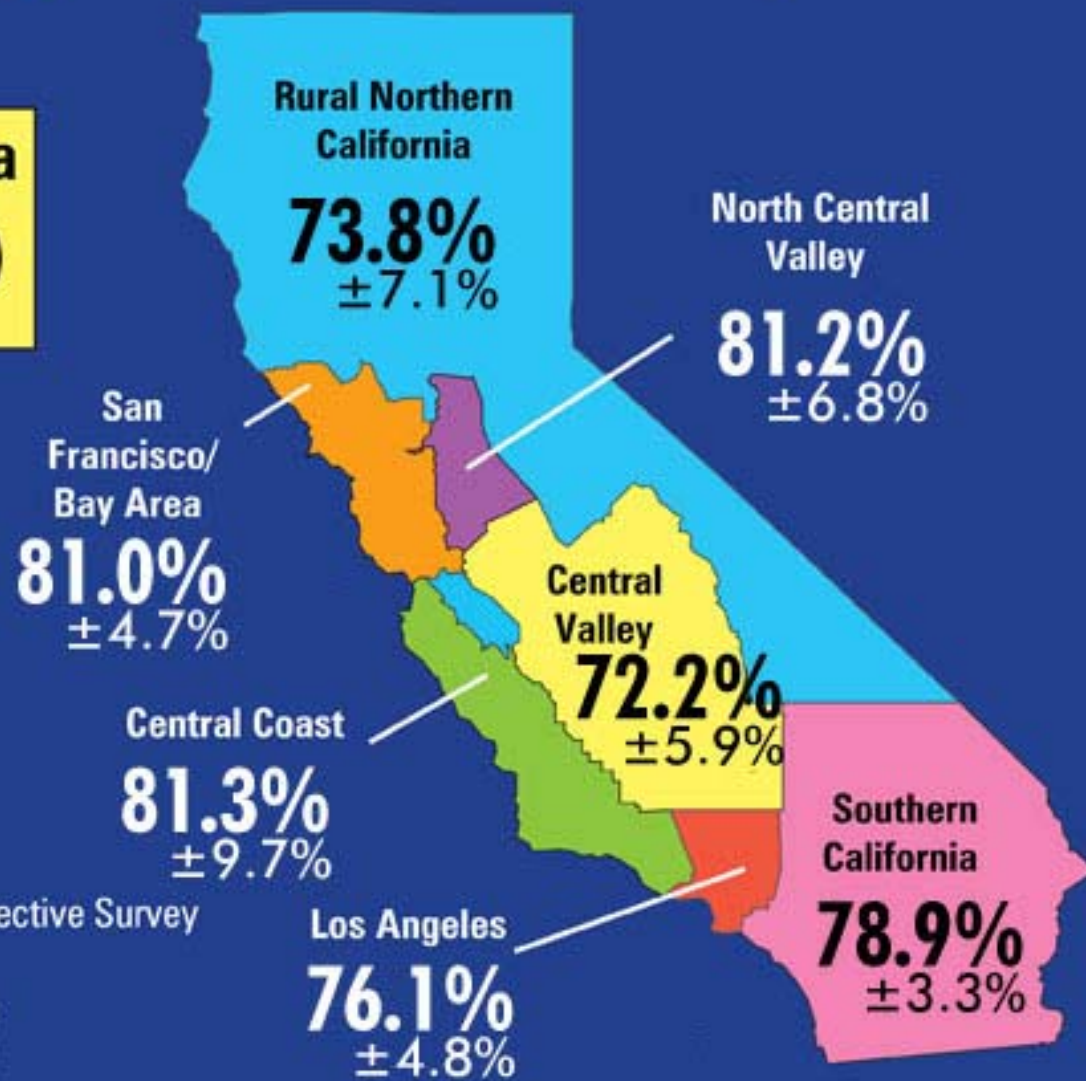
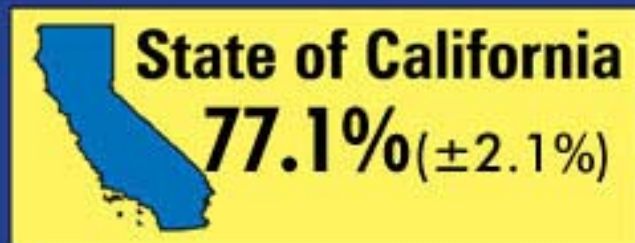
Liquid ready to use formulation

The US Food and Drug Administration (FDA) has approved a quadrivalent meningococcal vaccine **Menveo (Novartis Pharmaceuticals)**

Menveo requires dilution

Anticipate VFC availability some time in late spring or summer

Immunization Coverage Among Kindergarteners at 24 months of Age 4:3:1 Series (4 DTaP, 3 polio, 1 MMR)



Based on the 2006 Kindergarten Retrospective Survey
sample of 2,592 California Kids
California Department of Health Services
Immunization Branch • September 2006

THANK YOU!



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