

Uptake of Rotavirus Vaccine and Adherence to ACIP Age Recommendations

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October 25, 2007**



DEPARTMENT OF HEALTH AND HUMAN SERVICES



Rotavirus Vaccine Pentavalent (RotaTeq®)

- Recommended by ACIP February 2006
 - Three doses: ages 2, 4, 6 months
- Dose 1: age 6-12 weeks
- Subsequent doses 4-10 weeks apart
- No doses after age 32 weeks

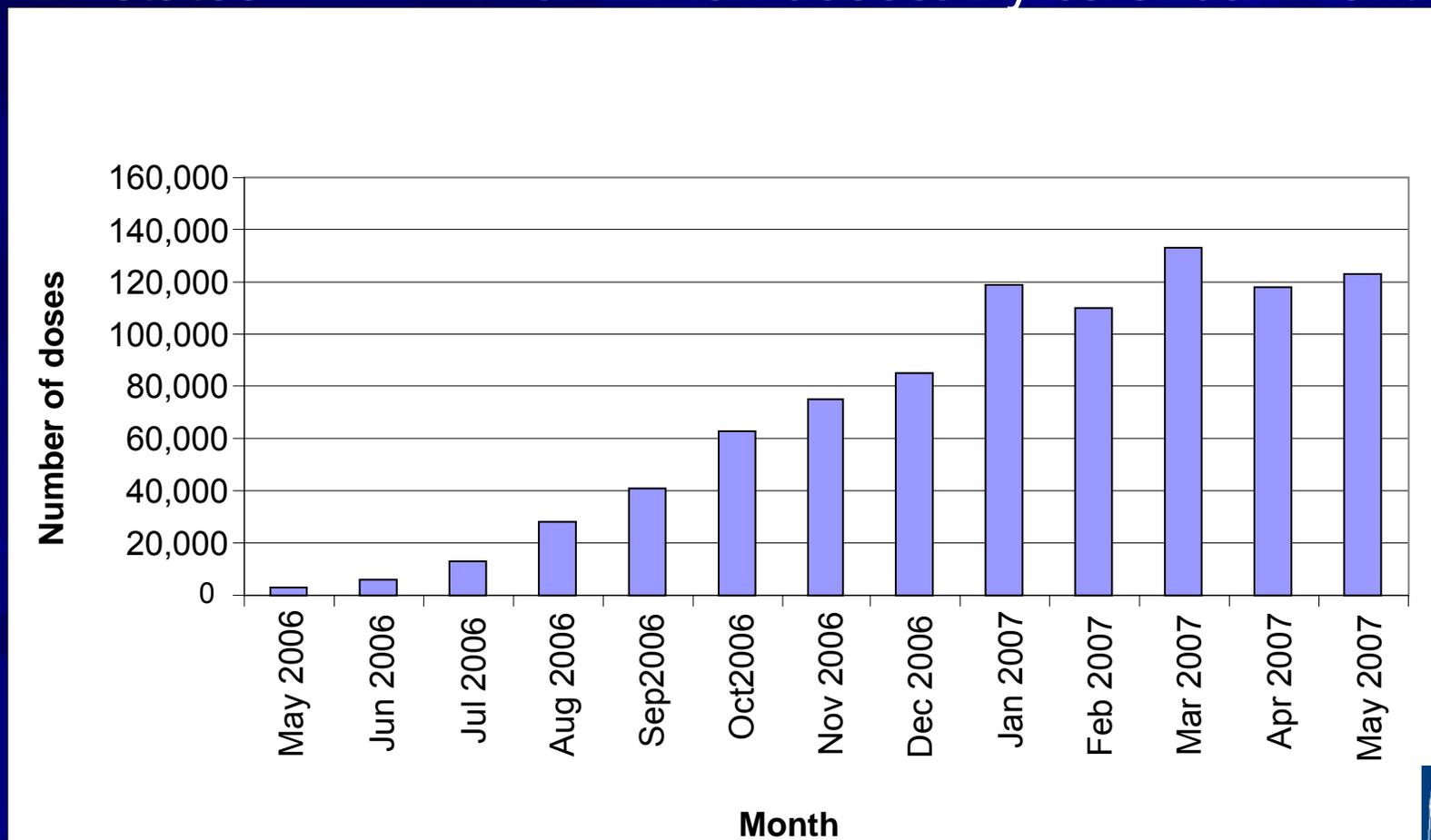
Data Sources

- Sentinel Area Immunization Information Systems (“sentinel site registries”)
- Vaccine Safety Datalink (VSD)
- State Immunization Information Systems (“state registries”)

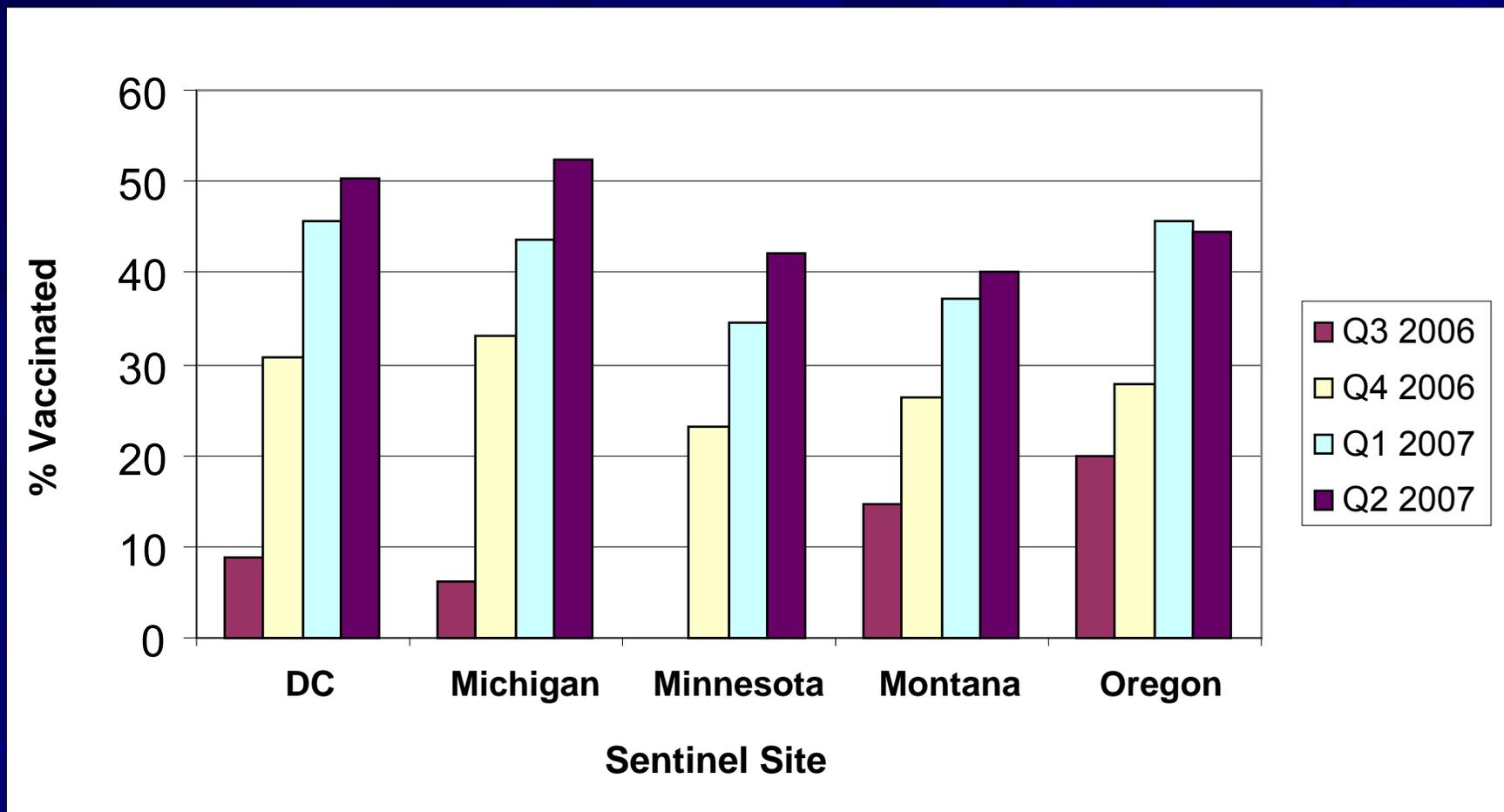
RV doses in State Immunization Registries May 2006 - May 2007

--36 states and DC: 1.6 million doses

--27 states : 1.1 million doses. By calendar month:



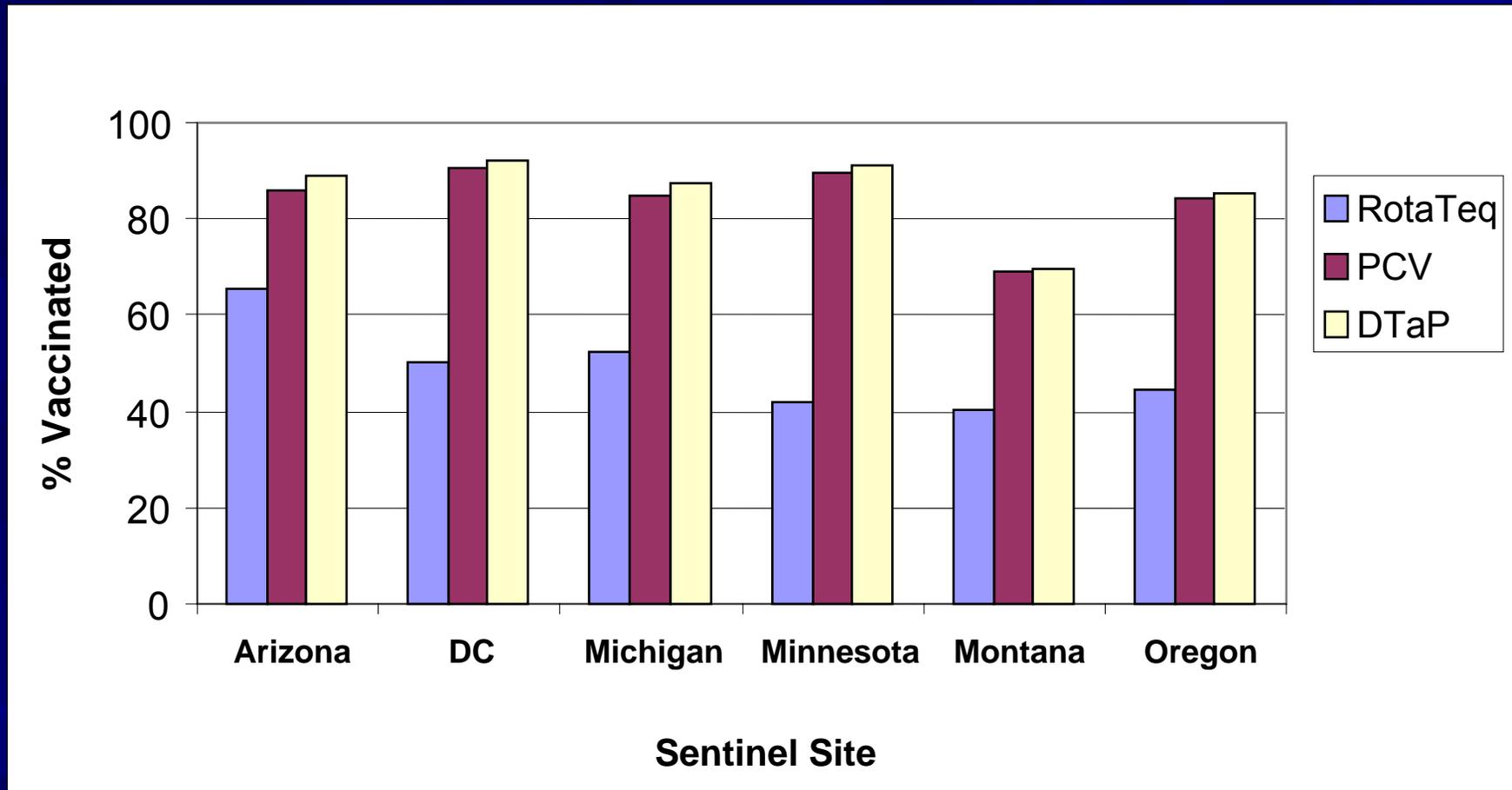
Dose 1 RV coverage among infants aged 3 months Sentinel Site Immunization Registries, by quarter



Number (approx) of infants aged 3 months in registry, Q2 2007:

DC: 200 MN: 200 MT: 500 OR: 500 AZ: 800 MI: 7,400

Dose 1 RV, DTaP and PCV7 coverage among infants aged 3 months Sentinel Site Immunization Registries, Q2 2007

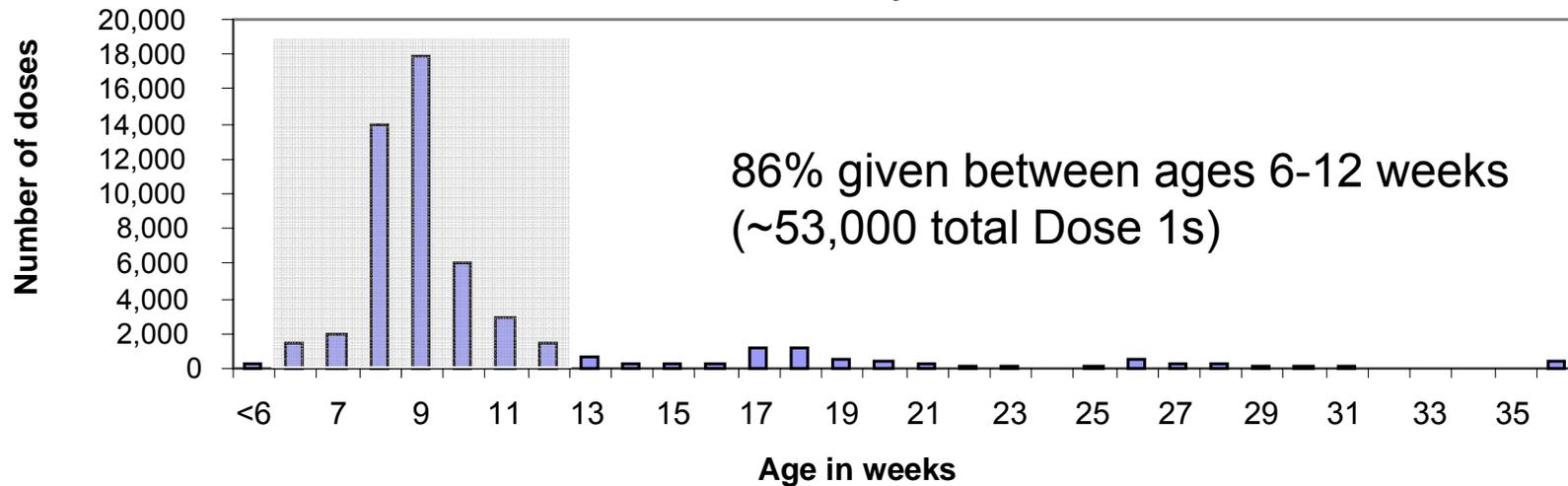


Number (approx) of infants aged 3 months in registry, Q2 2007:

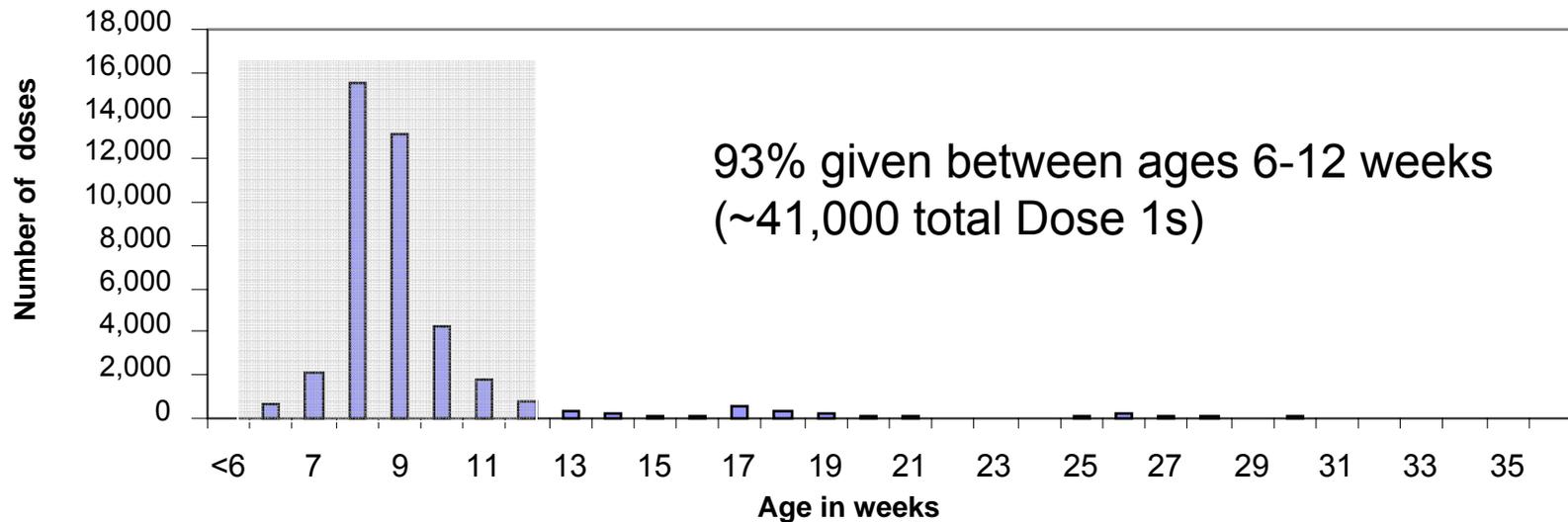
DC: 200 MN: 200 MT: 500 OR: 500 AZ: 800 MI: 7,400

Age at Receipt of RV: Dose 1

Immunization Information System Sentinel Sites



Vaccine Safety Datalink

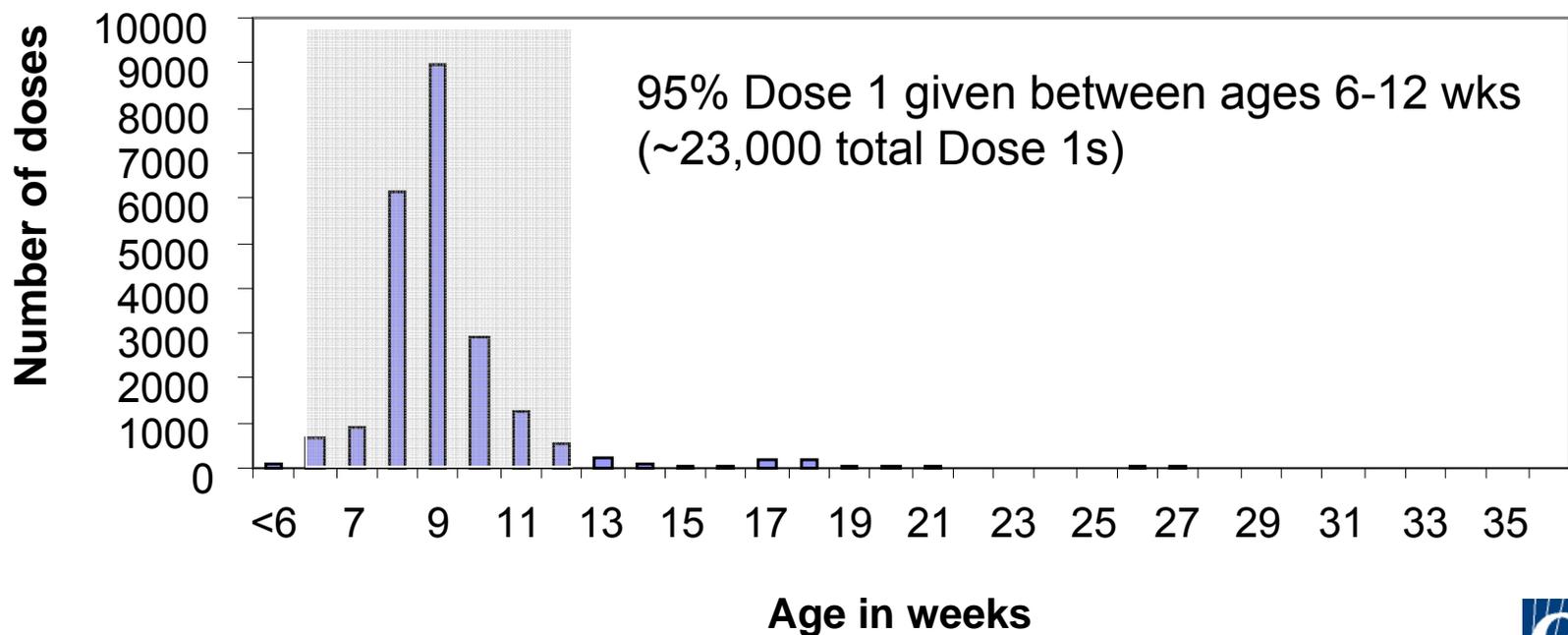


Age at Receipt of RV: Dose 1

Limitation: These are first doses recorded in registry.
Are they all true Dose 1s?

--27 State Registries: 79% given between ages 6-12 weeks
(~622,000 total Dose 1s)

Sentinel Site Registries: Restricted to infants with ≥ 3 RV doses



Age at Receipt of RV

- Very small proportion total doses given before age 6 weeks or after age 32 weeks

<u>Source</u>	<u>% doses <6 wks</u>	<u>% doses >32 wks</u>
Sentinel Site Registries	0.2	1.5
VSD	<0.1	0.7
27 State Registries	0.1	1.8

Rotavirus Vaccine: Pentavalent (RotaTeq®) Summary

■ Coverage

- Approximately 50% Dose 1 coverage among infants aged 3 months in Sentinel Site Registries, May 2007

■ Adherence to ACIP age recommendations

- High in Sentinel Site Registries and VSD

Acknowledgments

■ NCIRD

- Haley Clayton
- Daniel Payne
- Lauren Stockman
- Minnie Wang
- Umesh Parashar

■ ISD

- Diana Bartlett
- Laura Zimmerman
- Warren Williams

■ ISO: VSD

- James Baggs
- Paul Gargiullo
- Eric Weintraub
- Sites participating in VSD

■ Sentinel Area

Immunization Information Systems

- Roger Volp: AZ
- Rosemarie McLaren: DC
- Kyle Enger: MI
- Karen White: MN
- Bekki Wehner: MT
- James Gaudino: OR

■ State Immunization Information Systems