

Immunization Information Systems: Use for Tracking Adolescent and Adult Immunizations

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Immunization Information System Overview

Discussion Points:

- **What is an immunization information system (IIS)?**
- **Who needs an IIS and why?**
- **Immunization Information System Status**
- **IIS Capacity to Track Adolescent and Adult Vaccinations**



Immunization Information Systems are systems that:

- Record all shots on all children given by all providers in a geopolitical catchment area.
- Have functions and features needed by an immunization program (e.g. vaccine inventory management, adverse event reporting etc.);
- Have interoperability with other health information systems including Electronic Medical Records (EMR).



Immunization Information Systems

Who Needs Them?

Immunization programs need immunization information systems because:

- Science should drive programs
- Management and informatics are sciences used by immunization information systems
- Immunization information systems provide operational support to immunization programs, providers, and parents by:
 - automating evidence-based strategies
 - producing real-time data to ensure that children are protected and
 - assisting programs to deploy their resources efficiently and effectively



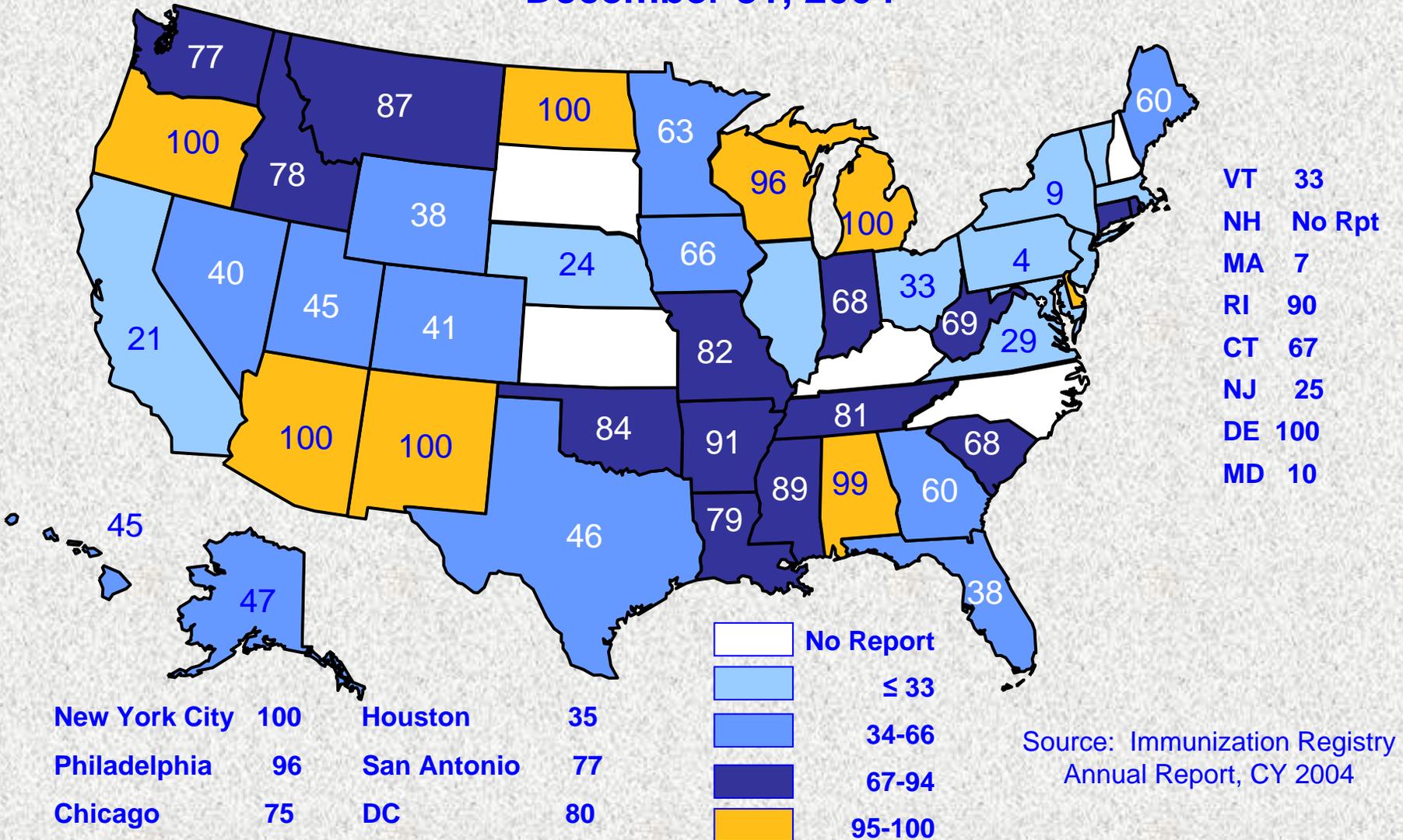
Immunization Information Systems

Why they are Needed

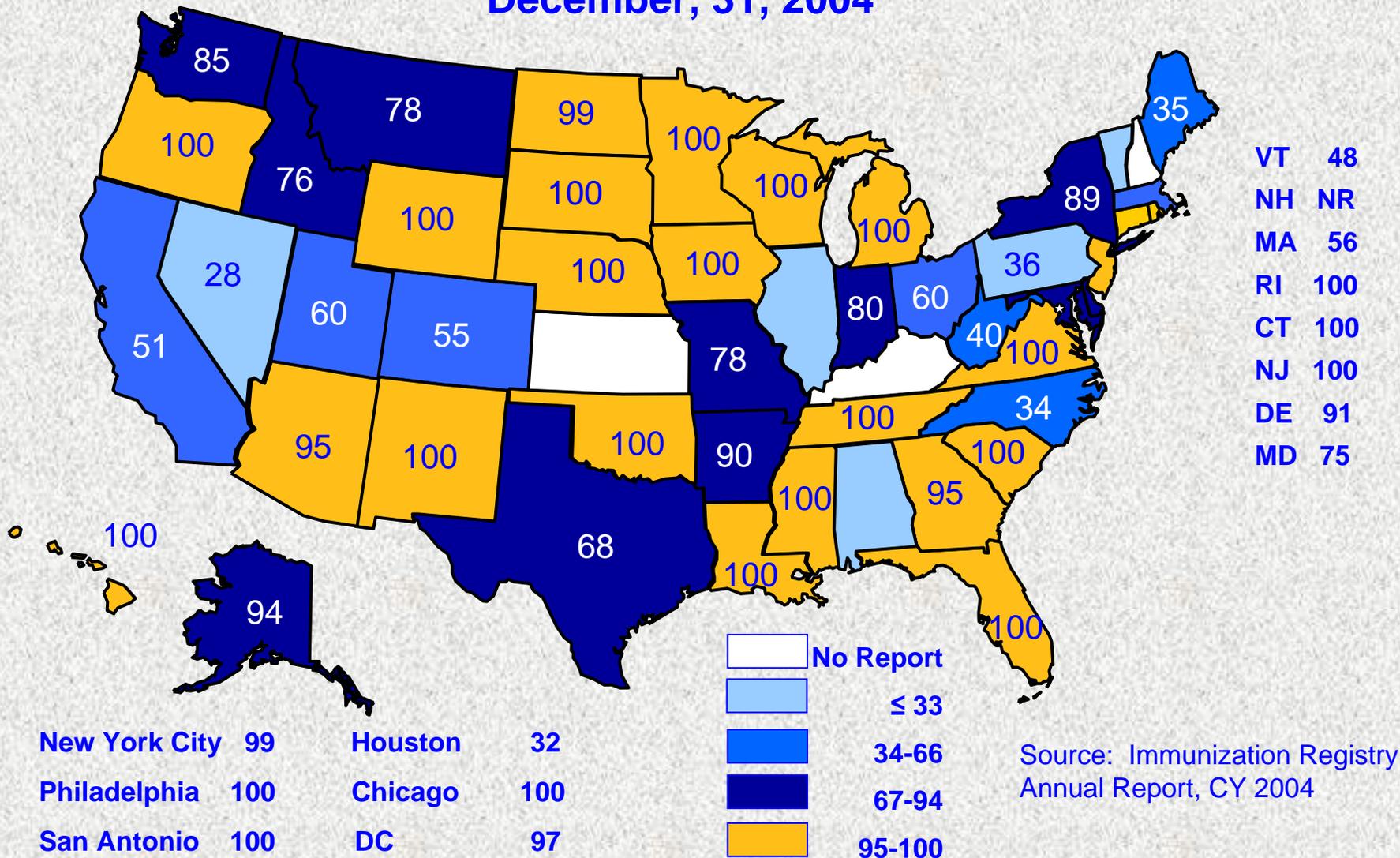
- 4 million births/year (11,000/day)
- Extra-immunization
- Resources for immunization activities are diminishing
- Few providers use reminder/recall
- Parents and providers overestimate coverage
- New vaccines keep being added
- Population mobility
- As a source of experience for the development of Electronic Medical Records



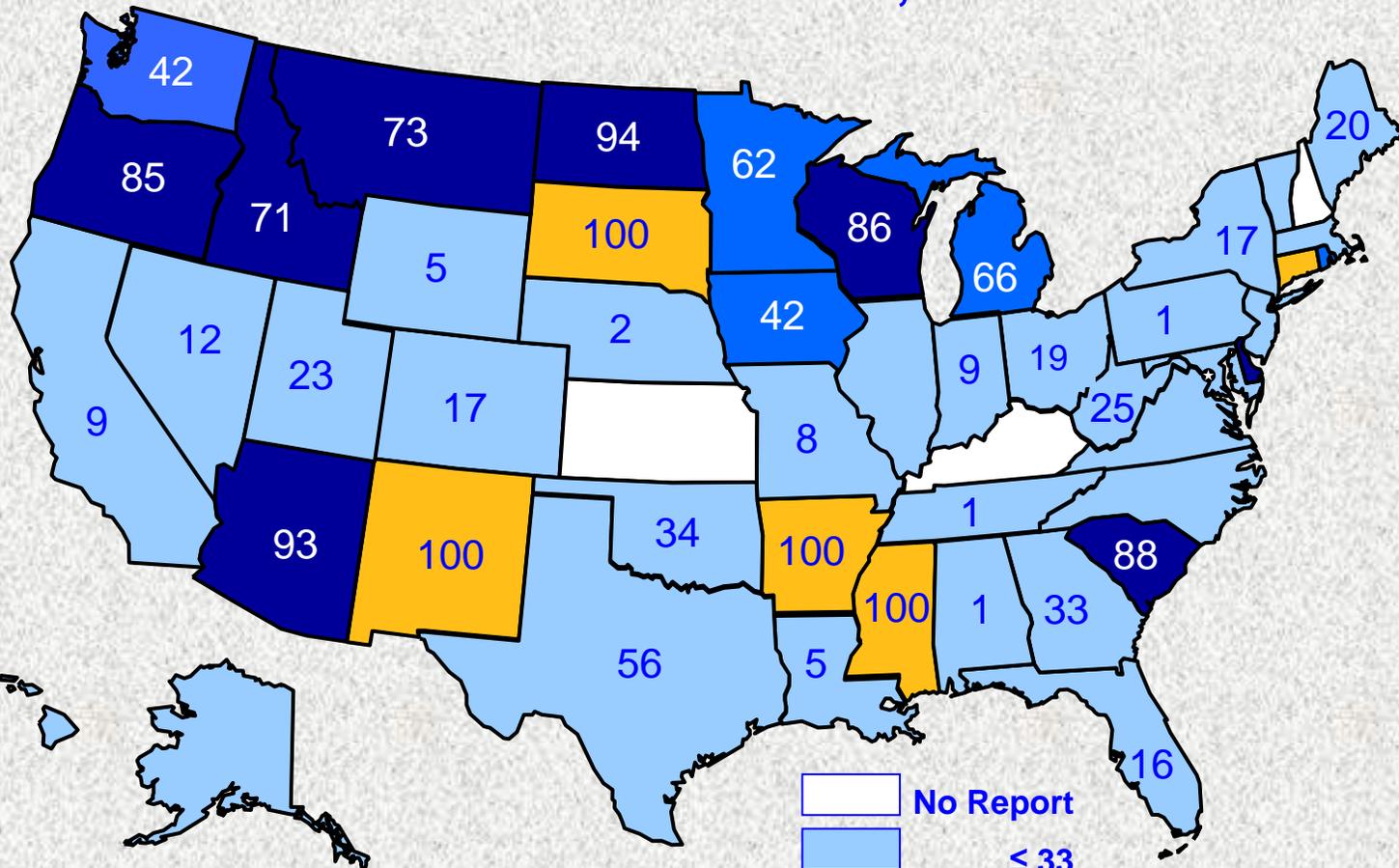
Percentage of U.S. Children >4 months and < 6 years with 2+ Immunizations in Immunization Information Systems, December 31, 2004



Percentage of Public Provider Sites Actively Participating in Immunization Information Systems by Grantee, December, 31, 2004

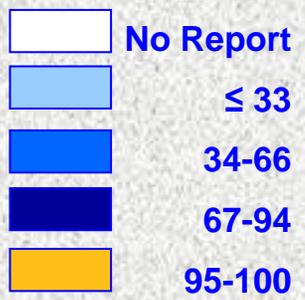


Percentage of Private Provider Sites Actively Participating in Immunization Information Systems by Grantee, December 31, 2004



VT	14
NH	1
MA	3
RI	61
CT	100
NJ	20
DE	90
MD	1

New York City	73	Houston	7
Philadelphia	96	San Antonio	95
Chicago	10	DC	93



Source: Immunization Registry Annual Report, CY 2004



IIS Capacity to Track Adolescent and Adult Vaccinations

From 2004 Immunization Registry Annual Report data:

- About 20% (12 of 56 grantees) report that they include birth to < 23 years of age in their IIS.
- About 70% (37 of 56 grantees) report that they include all ages in their IISs.



IIS Capacity to Track Adolescent and Adult Vaccinations

From 2004 Immunization Registry Annual Report data:

- About 45% (25 of 56 grantees) report that they track children born to HBsAG unknown/positive mothers for intensified Hep B surveillance with their IISs.



IIS Capacity to Track Adolescent and Adult Vaccinations

From 2004 Immunization Registry Annual Report, grantees report the following programs or agencies have access to their IIS data:

WIC	73.2%
Hospitals	53.6%
MCO	51.8%
Corrections	37.5%
Colleges	32.1%
STD	30.4%
Long Term Care	8.9%



Immunization Information Systems: Use for Tracking Adolescent and Adult Immunizations

- **This workshop will explore the successes and barriers to implementing IISs to track hepatitis B vaccination of adolescents and adults, including completion of the vaccine series.**
- **Our panel members will discuss the experiences of two CDC immunization program grantees – Washington, D.C. and Minnesota.**

