



AIRA
AMERICAN IMMUNIZATION
REGISTRY ASSOCIATION

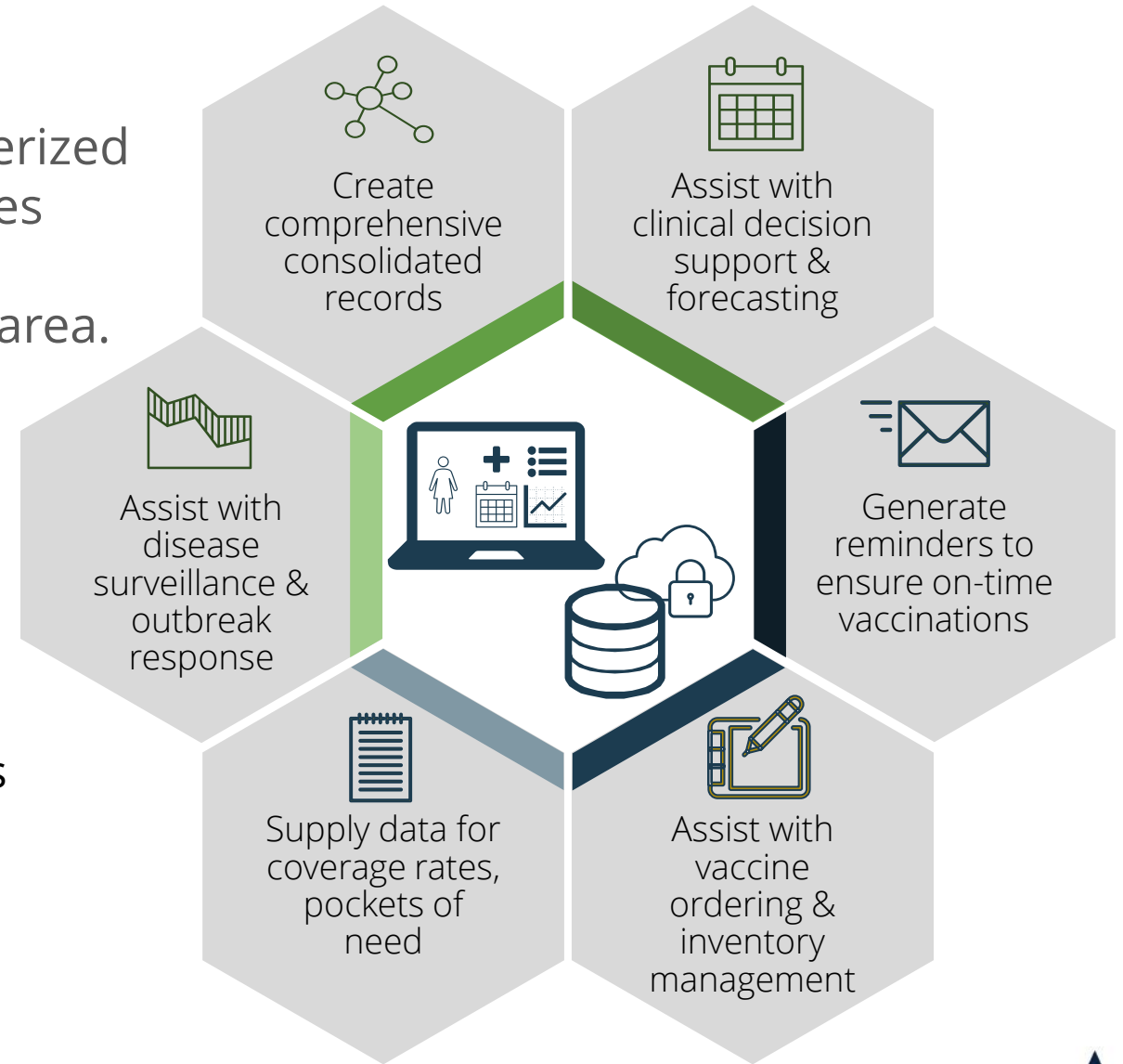
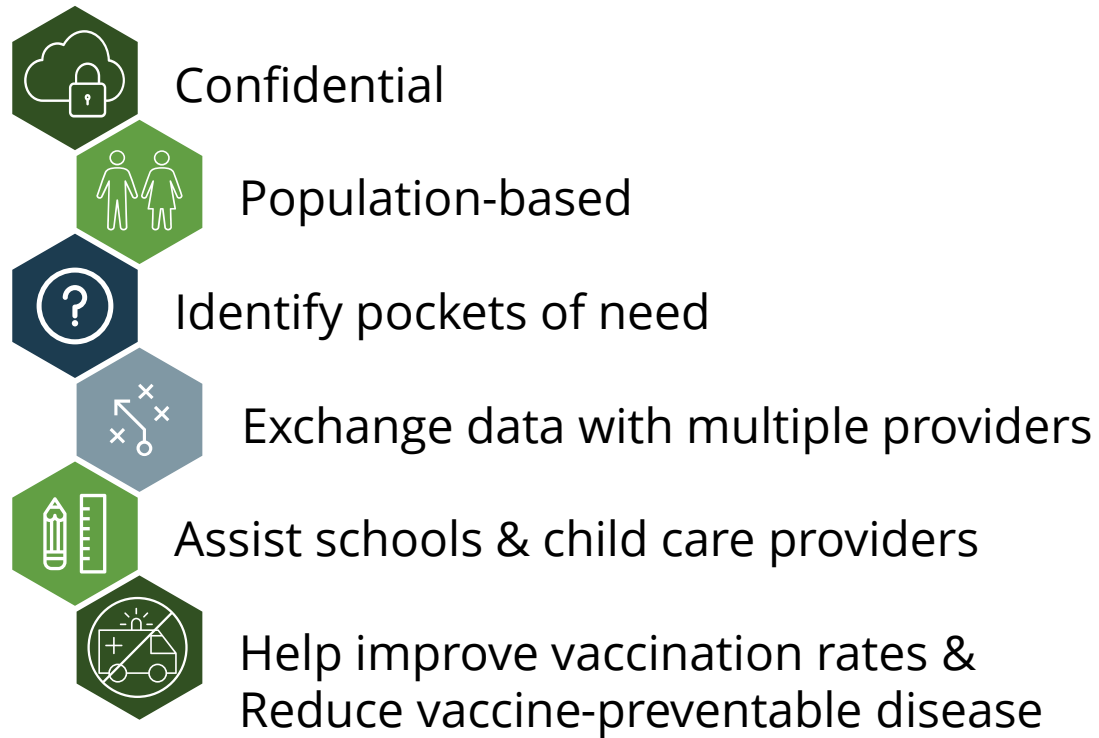
Immunization Information Systems (IIS)

NCSL State Public Health Symposium
June 22, 2022

Rebecca Coyle, Executive Director
American Immunization Registry Association

IIS...

are confidential, population-based, computerized databases that record all immunization doses administered by participating providers to persons residing within a given geopolitical area.



Most IIS Data Comes From Data Exchange



VITAL STATISTICS

VITAL RECORDS

ELECTRONIC HEALTH
RECORDS (EHR)

PHARMACY SYSTEMS

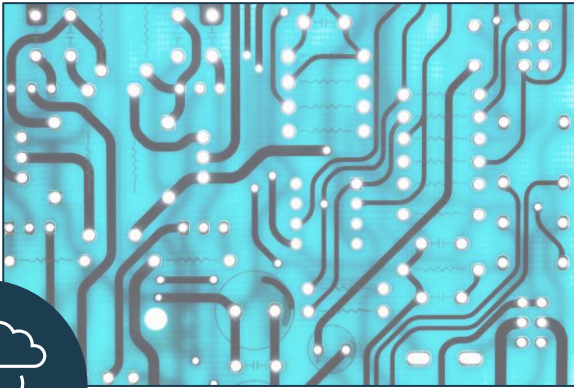
OTHER SYSTEMS

In 2020, there were **121,000**
data exchange connections





Policy



Technology



Operations



Workforce



Policies



Policies to consider

Does your state have IIS enabling legislation?

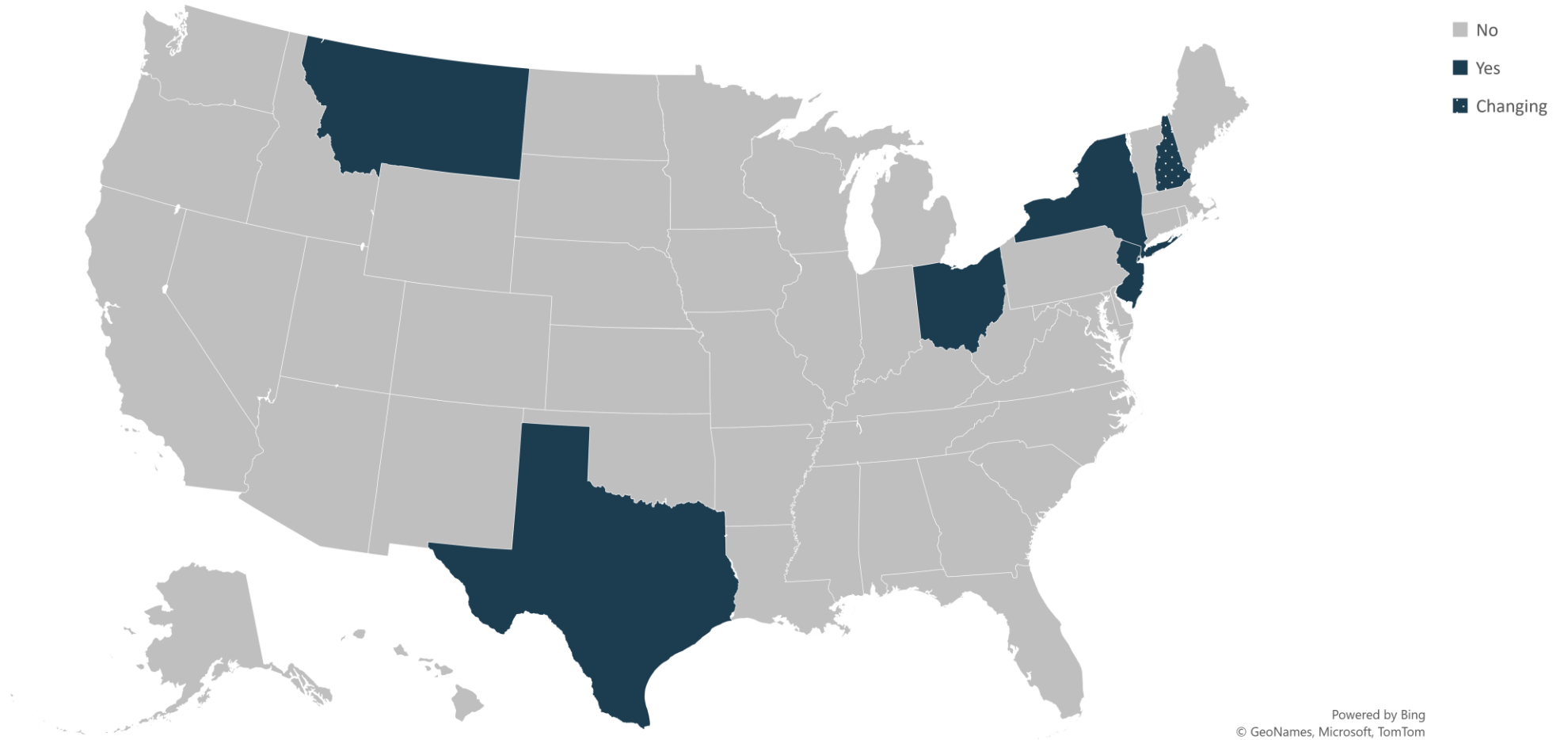
- Law/statute may be silent

Consent

- Is consent required?
- Is it required for specific populations (≥ 19)



Opt-in Required for Adults (19+)



Policies to consider

Does your state have IIS enabling legislation?

- Law/statute may be silent

Consent

- Is consent required?
- Is it required for specific populations (≥ 19)

Reporting to IIS

- Is it required for specific populations (e.g., 0-18)
- Is it required for specific provider types (e.g., pharmacies)



Required provider reporting for vaccinations administered for individuals >19 years

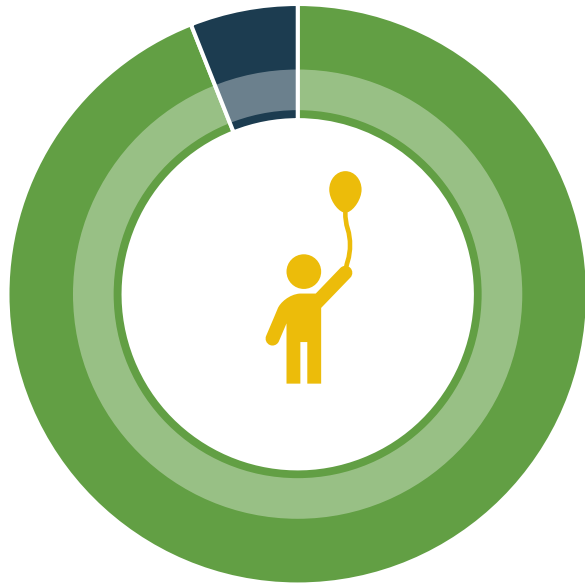
- **16** required for all vaccinations from all providers
- **12** required for all vaccines, but only from specific providers
- **7** only for adult vaccines provide through the state vaccine program
- **3** yes, for specific vaccinations from specific providers
- **16** no requirements



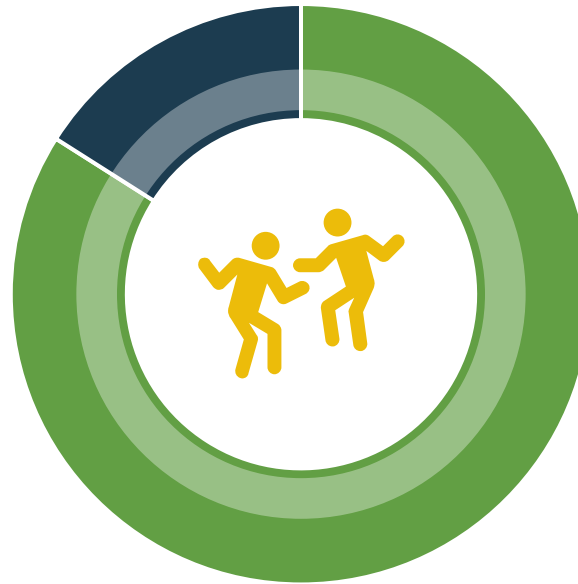
Data Capture



Data Capture Across All IIS – 2020



Children Under 6:
94%



Adolescents 11-17:
84%

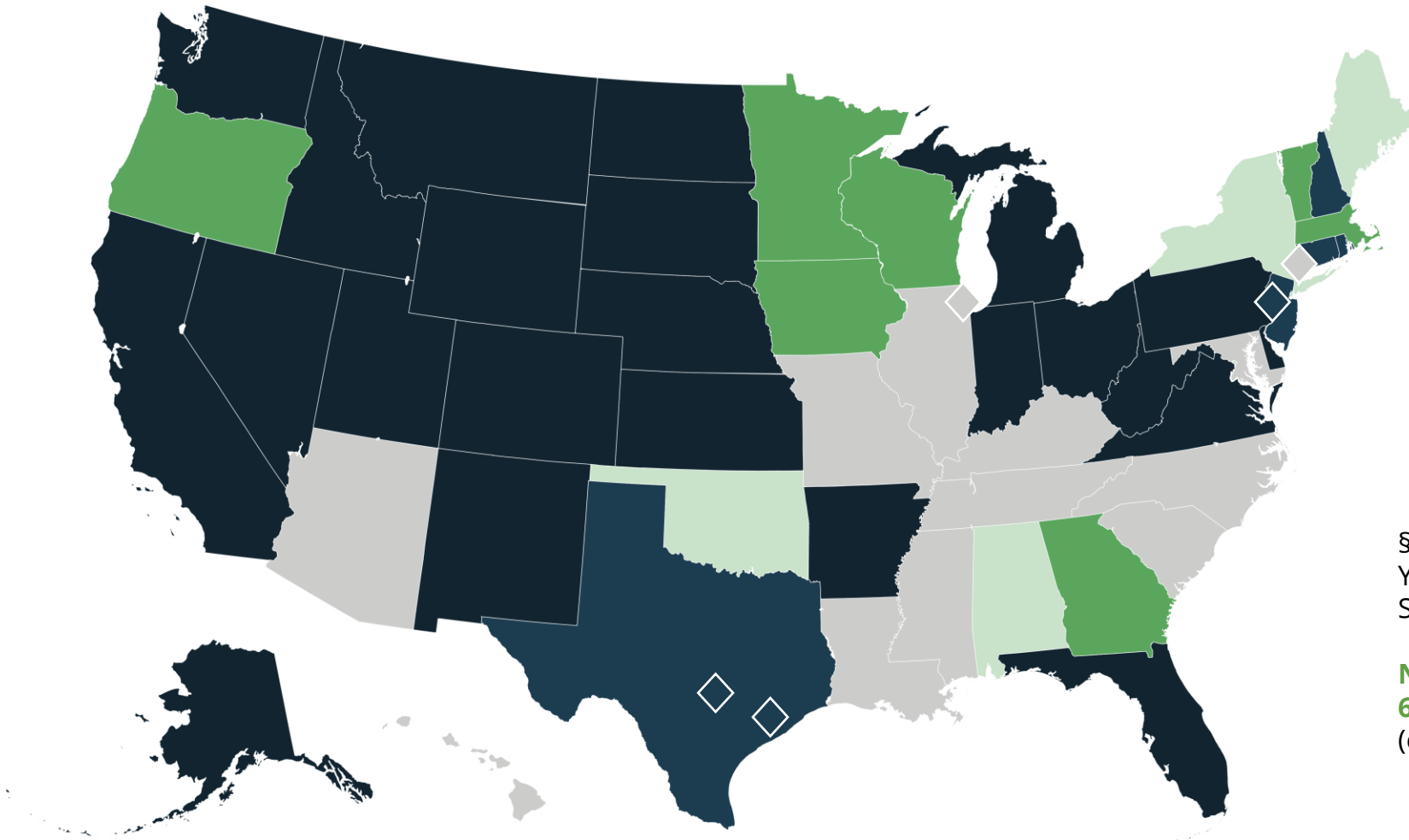


Adults 19+:
68%

- *Participation for children and adolescents requires two or more vaccines*
- *Participation for adults requires at least one adult vaccine*



Percentage of adults aged ≥ 19 years participating in an IIS
United States, five cities§, and D.C., 2020 (adapted)



■ <25% ■ 25-49% ■ 50-74% ■ 75-94% ■ $\geq 95\%$



**Adults 19+:
68%**

§Chicago, Houston, New
York City, Philadelphia,
San Antonio

National Participation:
68%
(excluding Territories)



Purpose & Utility



Policies to consider

Access

- Who can have access and for what purposes?
 - Clinical care
 - Schools
 - Other public health programs, Medicaid, etc.?
 - Payers?

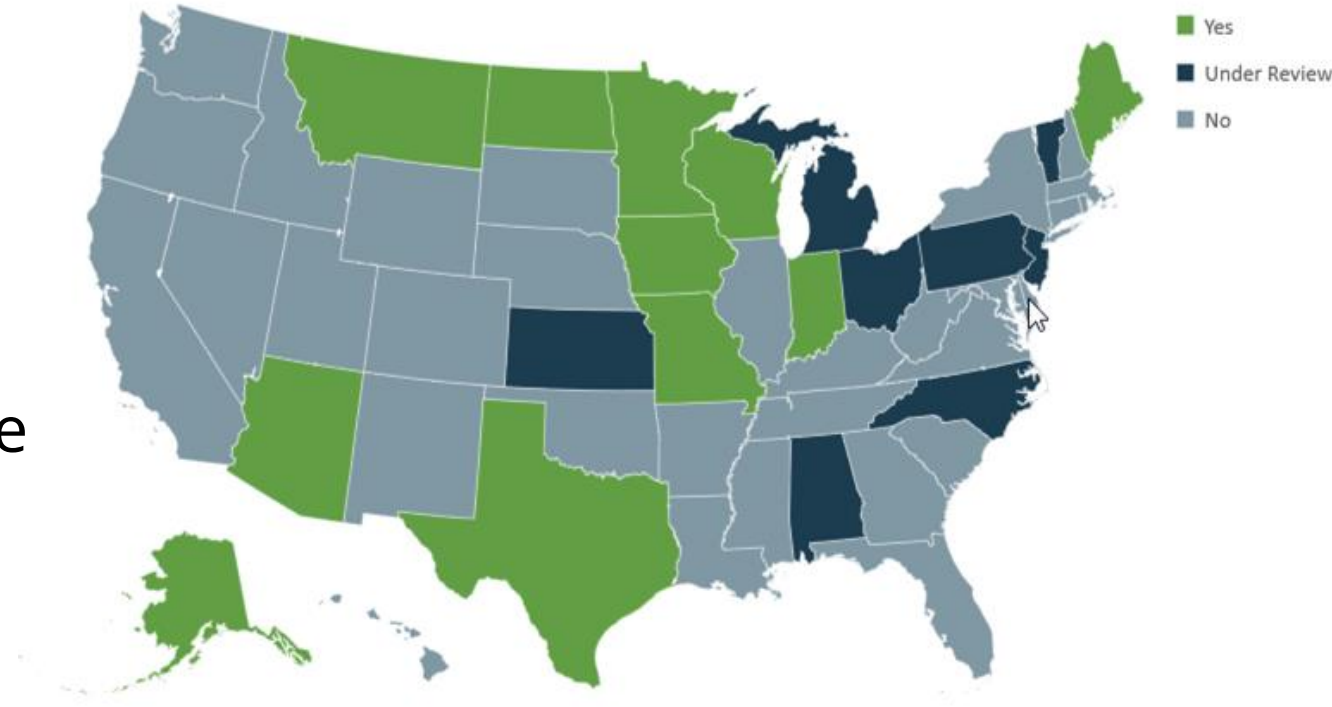
Data Use

- What can data be used for?
- In what format can data be shared (aggregate, deidentified, etc.)
- Research?



Consumer Access

- There are differences across the U.S.
- Each state determines
 - Who can access the IIS
 - What records it will provide
 - What format(s) it will provide



The Evolution of Vaccine Records

VACCINE	Date Given MO/DAY/YR	DOCTOR OR CLINIC	DATE NEXT DUE
1	AUG 25 1989	State of Hawaii, PHN	
2	10/24/88	JOSEPHINE COUNTY HEALTH DEPT.	
3	10/24/88	JOSEPHINE COUNTY HEALTH DEPT.	
4	1-1-93	JOSEPHINE COUNTY HEALTH DEPT.	
5			
DPT	1	AUG 25 1989 State of Hawaii, PHN	
diphtheria, pertussis (whooping cough), tetanus	2	10/24/88 R. F. FINEBERG MD/HS	
DT or Td	3	10/24/88 R. F. FINEBERG MD/HS	
	4	10-9-89 JOSEPHINE COUNTY HEALTH DEPT.	
	5	1-1-93 JOSEPHINE COUNTY HEALTH DEPT.	
	6	3-17-97 Olivia Leo Codes	
MEASLES			
RUBELLA	10-9-89	JOSEPHINE COUNTY HEALTH DEPT.	
MUMPS			
Hemophilus fl.	2-26-90	JOSEPHINE COUNTY HEALTH DEPT.	
OTHER			
T.B. - first test done 6/25/85: Neg.			
Hep			
VACCINE REACTIONS AND OTHER NOTES:			
EXEMPTION-VACCINE:	PROVIDER:	DATE:	

COVID-19 Vaccination Record Card

Please keep this record card, which includes medical information about the vaccines you have received.

Por favor, guarde esta tarjeta de registro, que incluye información médica sobre las vacunas que ha recibido.

Last Name _____ First Name _____ MI _____
 Date of Birth _____ Patient number (medical record or NS record number) _____

Vaccine	Product Name/Manufacturer Lot Number	Date	Healthcare Professional or Clinic Site
1 st Dose COVID-19		mm / dd / yy	
2 nd Dose COVID-19		mm / dd / yy	
Other		mm / dd / yy	
Other		mm / dd / yy	

HPV Vaccine
Not due until May 4, 2021
Previously done: 11/4/2020
[Learn more](#)

Meningitis ACWY Vaccine
Not due until October 28, 2022
Previously done: 12/15/2015, 2/8/2013, 5/18/2012, ...
[Learn more](#)

Tdap / DTaP / Tetanus Immunization
Not due until October 28, 2022
Previously done: 12/15/2015, 2/8/2013, 5/18/2012, ...
[Learn more](#)

Hepatitis B Vaccine
Completed on May 18, 2012
Previously done: 5/18/2012, 1/9/2012, 10/28/2011
[Learn more](#)

Hepatitis A Vaccine
Completed on May 10, 2013
Previously done: 5/10/2013, 11/9/2012
[Learn more](#)

IPV Vaccine
Completed on December 15, 2015
Previously done: 12/15/2015, 5/18/2012, 3/18/2012, ...
[Learn more](#)

MMR Vaccine
Completed on December 15, 2015
Previously done: 12/15/2015, 11/9/2012
[Learn more](#)

COVID-19 Vaccination Record Card

NAME: ANYPERSON/JOHN B. DATE OF BIRTH: 01/20/1951

1	Vaccine Product, Lot #348712	03/12/2021, Dose 1 Issuer Clinic, IAL 1.4
2	Vaccine Product, Lot #436732	04/01/2021, Dose 2 Issuer Clinic, IAL 1.4

SMART[®] Health Card

SMART[®] Health Card

You can import your COVID-19 Vaccination Record into any app that accepts SMART Health by clicking Download SMART Health Cards or scanning the QR code below.

COVID-19 Vaccination Record Card

NAME: ANYPERSON/JOHN B. DATE OF BIRTH: 01/20/1951

1	Vaccine Product, Lot #348712	03/12/2021, Dose 1 Issuer Clinic, IAL 1.4
2	Vaccine Product, Lot #436732	04/01/2021, Dose 2 Issuer Clinic, IAL 1.4

SMART[®] Health Card

“I am not an advocate for frequent changes in laws and constitutions, but laws and institutions must go hand in hand with the progress of the human mind. As that becomes more developed, more enlightened, as new discoveries are made, new truths discovered and manners and opinions change, with the change of circumstances, institutions must advance also to keep pace with the times...”



Thank you!

More information @ www.immregistries.org



Extra Slides



Federal laws relevant to IIS

- Health Insurance Portability and Accountability Act (HIPAA)
 - **Is the IIS a covered entity? A hybrid?**
- Family Educational Rights and Privacy Act (FERPA)
 - Protects the privacy of student education records but indirectly affects data exchange between schools/IIS
- 21st Century Cures Act
 - Health information reform, includes provisions around TEFCA (Trusted Exchange Framework and Common Agreement)



Technology

- Update and maintain systems
- Enhancements,
- New developments
- Monitor quality etc.
- System security

Operations

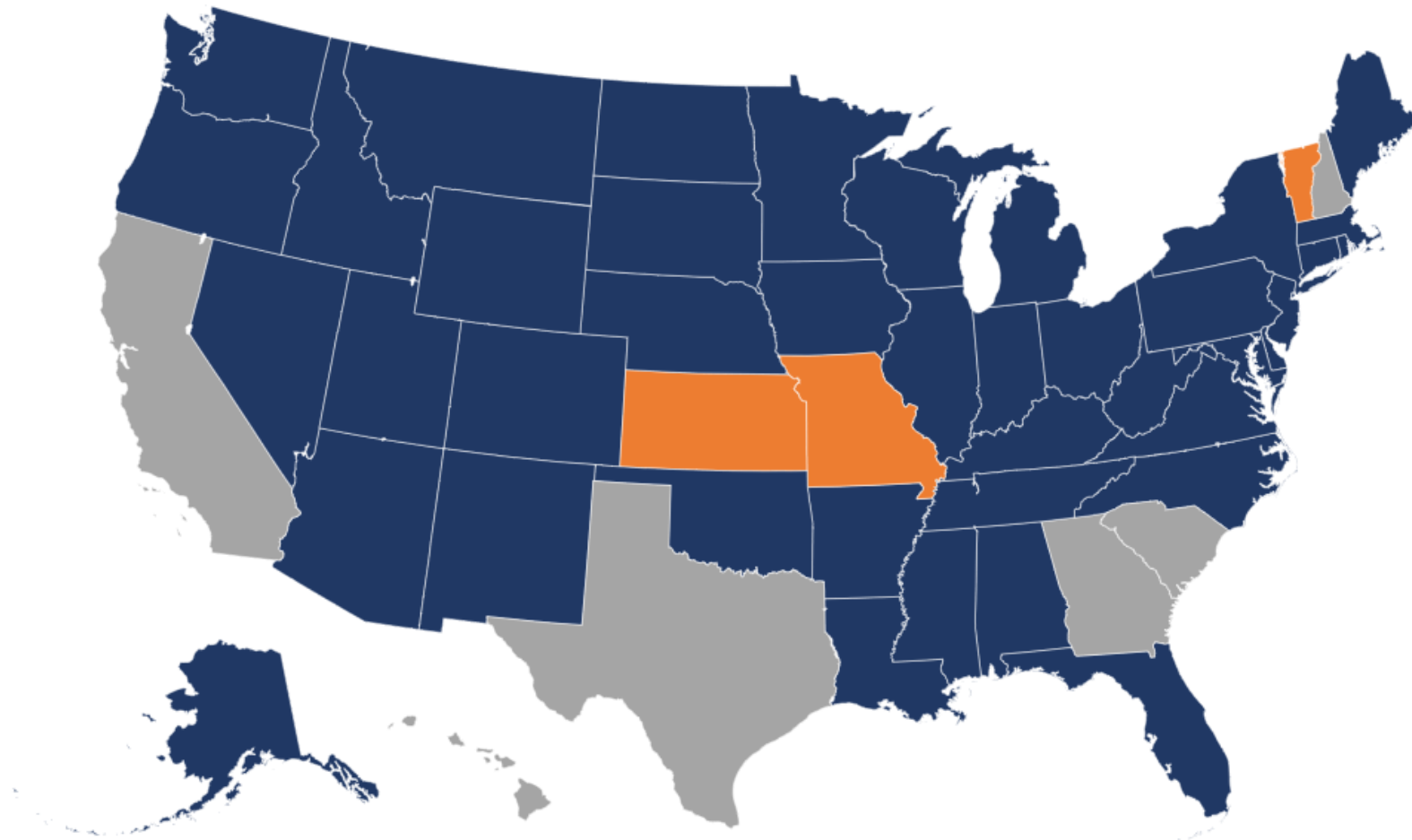
- Funding to support IIS
- State funds can open the door to more funds (Medicaid match funds), state priorities
- Integration

Bidirectional Data Exchange

- In 2020, IIS reported **over 121,000** HL7 data exchange connections
 - 2021 data forthcoming
- **~58%** of connections were bidirectional
 - ~46% in 2019



Interjurisdictional MOU Signatories



■ Signed ■ Not Signed ■ 2015/2016 MOU

Powered by Bing
© GeoNames, Microsoft, TomTom

