"Everybody In? Let's Update the IIS Functional Standards Together!"

OR

Functional Standards Fixer Upper

Jan Hicks-Thomson, MSW, MPA, A&W

Public Health Analyst
Immunization Information Systems Support Branch

Janet Fath, PhD

IIS Operations Team Lead
Immunization Information Systems Support Branch

AIRA National Meeting, April 2017

National Center for Immunization & Respiratory Diseases

Immunization Information Systems Support Branch

20th BIRTHDAY

Functional Standards Organization

Functional Standards Use

GOALS

Standards

Operational Guidance Statement

Operational Guidance Statement

Operational Guidance Statement

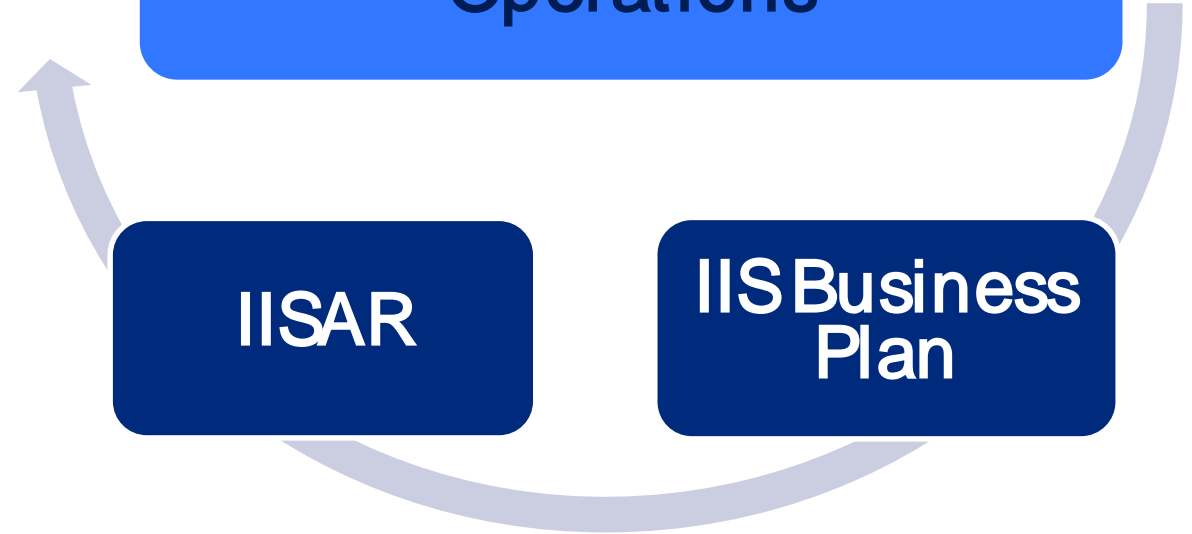Operational Guidance Statement

Operational Guidance Statement

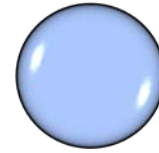**Immunization Program Operations**

IISAR

IIS Business Plan
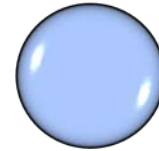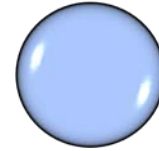
IISSB Technical Assistance

Development Process
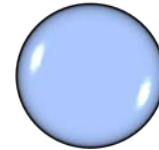
IIS Functional Standards Workgroup

AIRA Post-NIC Workshop
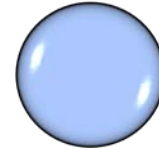
Key Informants

Community Input

AIM IIS Subcommittee

Partners
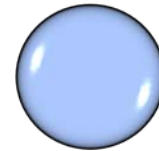
2018 -2022 IIS Functional Standards Participants
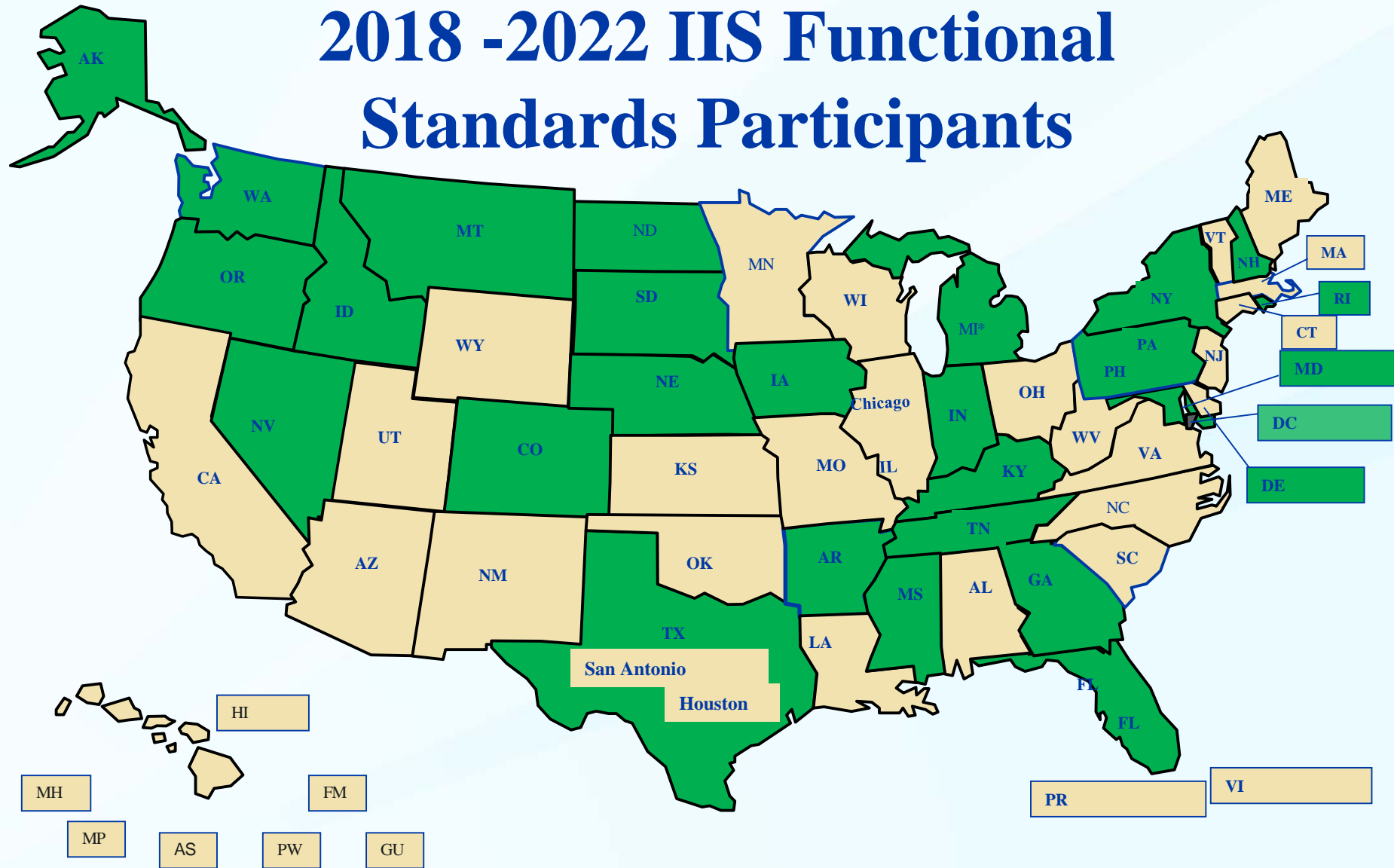
Essential Infrastructure Standards
Framing and Foundation

Demographic and Immunization Data

Confidentiality

Physical Security

Digital Security

User Support

Supporting Clinicians in Delivering Age Appropriate Immunizations

Interoperability

Clinical User Access

Deduplicate Records

Deduplicate Vaccine Events

Clinical Decision Support

Supporting Clinicians in Delivering Age Appropriate Immunizations

Manage Patient Active/Inactive Status

Document Dose Level VFC Eligibility

Support Vaccine Recalls

Support VAERS Reporting/Investigation

Supporting the Control and Management of Vaccine Preventable Disease Outbreaks

Support Public Health Response During Outbreaks

Support School and Child Care Immunization Efforts

Support Program Emergency Response Activities

Support and Inform Stakeholder Efforts to Improve Immunization Rates

Support Immunization Rate Assessment

Support Reminder and Recall

Provide Immunization Records

Assure Data Access for Stakeholders

Exchange Data with Other Jurisdictions

Support Providers in Meeting the Requirements of VFC, State and Local Vaccine Programs

Support Vaccine Management and Quality Assurance

Support Data Exchange with VTrckS

Support Inventory Management and Reconciliation

Support Decrementing of Doses Administered

Provide Data or Produce Reports for Immunization Programs

The Newly Permitted ...

- Support for public health emergency response
- Support for VFC, state and local business processes and quality assurance
- IIS help desk and training support for IIS users
- IIS data exchange with IIS in other jurisdictions

Permit Specs Available Now!

2018 – 2022 IIS Functional Standards Crosswalk to 2013 – 2017 IIS Functional Standards

Framework of the Document

This document depicts the 2018 – 2022 IIS Functional Standards in bold, followed by the corresponding Standards from 2013 – 2017.

1.0 **The IIS contains complete and timely demographic and immunization data for children, adolescents and adults residing or immunized within its jurisdiction.**

> 2013/17 (FS 3.1): The IIS provides consolidated demographic and immunization records for persons of all ages in its geopolitical area, except where prohibited by law, regulation, or policy.

> 2013/17 (FS 3.4): The IIS can store all IIS Core Data Elements (see Appendix B). (OGS: 1.6)

> 2013/17 (FS 3.5): The IIS can establish a record in a timely manner from sources such as Vital Records for each newborn child born and residing at the date of birth in its geopolitical area. (OGS: 1.1)

> 2013/17 (FS 3.6): The IIS records and makes available all submitted vaccination and/or demographic information in a timely manner. (OGS: 1.5)

2.0 **The IIS implements written and approved confidentiality policies that protect the privacy of individuals whose data are contained in the system.**

> 2013/17 (FS 4.1): The IIS program has written confidentiality and privacy practices and policies based on applicable law or regulation that protect all individuals whose data are contained in the system.

Assessing the Updated Home

- Immunization Information System Annual Report
- Not every stud, floor-board or piece of insulation will be inspected
- Some answers are yes/no; others require data
- Development is underway – CDC will seek your input

What Goes in the House?
(or "show me the data!")

- Patient demographic / vaccination related data
- VTrckS-EXIS exchange data
- Transport data
- VFC business process data
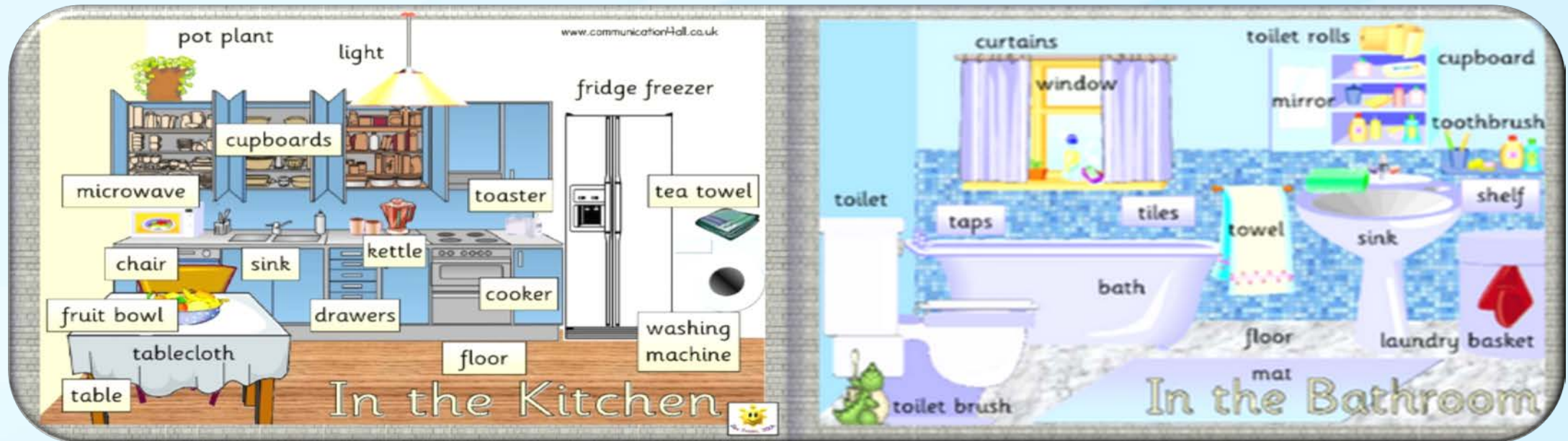
Draft Data Elements Available Now!
(for patient demographics and vaccine events)

Immunization Information System Functional Standards 2018 –2022
Patient Demographic and Vaccine Event Related Data Elements

Patient Demographic Data Elements		Vaccine Event Data Elements
Date of history of vaccine preventable disease	Patient Multiple Birth Indicator	Contraindications/Precautions
Ethnicity	Patient Name: First	Contraindications/precautions observation date
History of Disease/Titer	Patient Name: Last	Data Enterer Identifier
History of vaccine preventable disease	Patient Name: Middle	Dose Level Public Private Indicator
Mother's Name: First	Patient primary language	Evaluation Reason
Mother's Name: Last	Patient Status indicator-IIS effective date	Evaluation Status
Mother's Name: Maiden Last	Patient Status Indicator-IIS Level	Exemptions/refusals date
Mother's Name: Middle	Patient Status indicator-Provider effective date	Exemptions/refusals of vaccine
Patient address: County	Patient Status indicator-Provider level	Recorder IIS-AO ID
Patient address: City	Patient Telephone Number	Vaccination Administration Date
Patient address: Country	Patient Telephone Number Type	Vaccination Event Record Type (administered/historical)
Patient address: State	Protection Indicator	Vaccinator IIS-AO ID

D – R – A – F – T

Acks

How Will We Finance Our IIS Home?

- Mixed funding
- Maximize federal match
  - 90/10 and other Medicaid match opportunities
- Traditional / Non-traditional public and private partnerships
- Decrease costs through:
  - Shared development
  - Shared services
  - Business process efficiencies
- Prioritize activities based on available funding
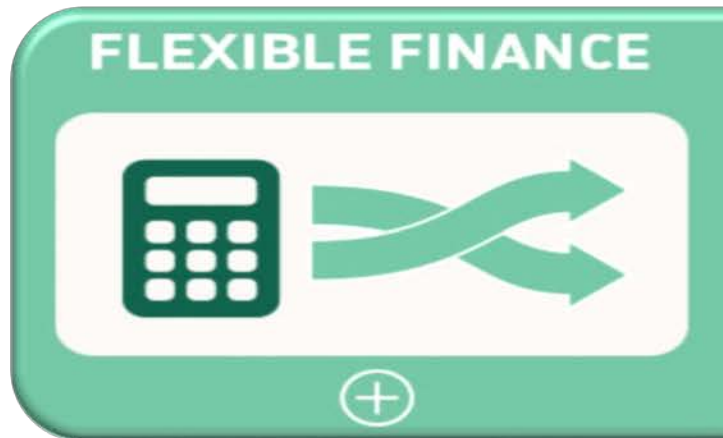
Will All Homes Meet All Standards?

- All should strive to meet the Standards
- IIS Maturity, Program priorities, and assessment should identify areas of focus
- Reflect your progress in your IISAR
- Include your strategies for progress in you Business Plan

Quotable Quotes

The functional standards provide a roadmap to where we want all of the IIS to go.

Standards make us feel like the work we are doing is validated.

We are not there yet, but believe this is achievable.

These are very good standards and guidance, but not every state is in the same place at meeting the Standards.

We're making great progress. The IIS has changed the paradigm of public health – we give data back to providers … we are so successful.

Acks

Key Informants:

Michelle Hood – NB

Kim Tichy, IA

Eric Larson, AIRA

Beth Cox, CDC

Jenne McKibben, OR

Tracy Little, OR

Gerri Yett, AK

Matt Bobo, AK

Kim Salisbury-Keith, RI

Tricia Washburn, RI

Michael Flynn NY

Nathalie Hartert, TN

Kelly Moore, TN

Catherine Harrelson, TN

Workgroup Members

Elaine Lowery, PHII

Mary Beth Kurilo, AIRA / PHII

Rebecca Coyle, AIRA

Rob Savage

Amy Groom, IHS

Baskar Krishnamoorthy, FL

Bob Swanson, MI

Mary Woinarowicz, ND

Denise Wilson, GA

Vendors:

Brad Couse, Envision

Wheeler, Gary , HP

Rae Barr, STC

Noam H. Arzt, HLN

CDC Team

Warren Williams

Laura Pabst

Janet Fath

Ulrica Andujar

Loren Rogers

Bobbie Strickland

Susan Brown

Stuart Myerburg

David Lyalin

Laura Pabst

Staff:

Bill Brand, PHII

Natalie Viator, PHII

Sara Sanford, PHII

Jan Hicks-Thomson, CDC

Contact

Jan Hicks-Thomson, MSW, MPA, A&W

Public Health Analyst

Immunization Information Systems Support Branch

Telephone: (404) 718-1555

Email: IISINFO@cdc.gov

Janet Fath, PhD

Operations Team Lead

Immunization Information Systems Support Branch

Telephone: (404) 639-6070

Email: IISINFO@cdc.gov

For more information please contact Centers for Disease Control and Prevention

1600 Clifton Road NE, Atlanta, GA 30333
Telephone, 1-800-CDC-INFO (232-4636)/TTY: 1-888-232-6348
E-mail: cdcinfo@cdc.gov   Web: www.cdc.gov