Build up your IIS workforce!

AIRA 2021 National Meeting

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August 4, 2021

Public Health Informatics Institute

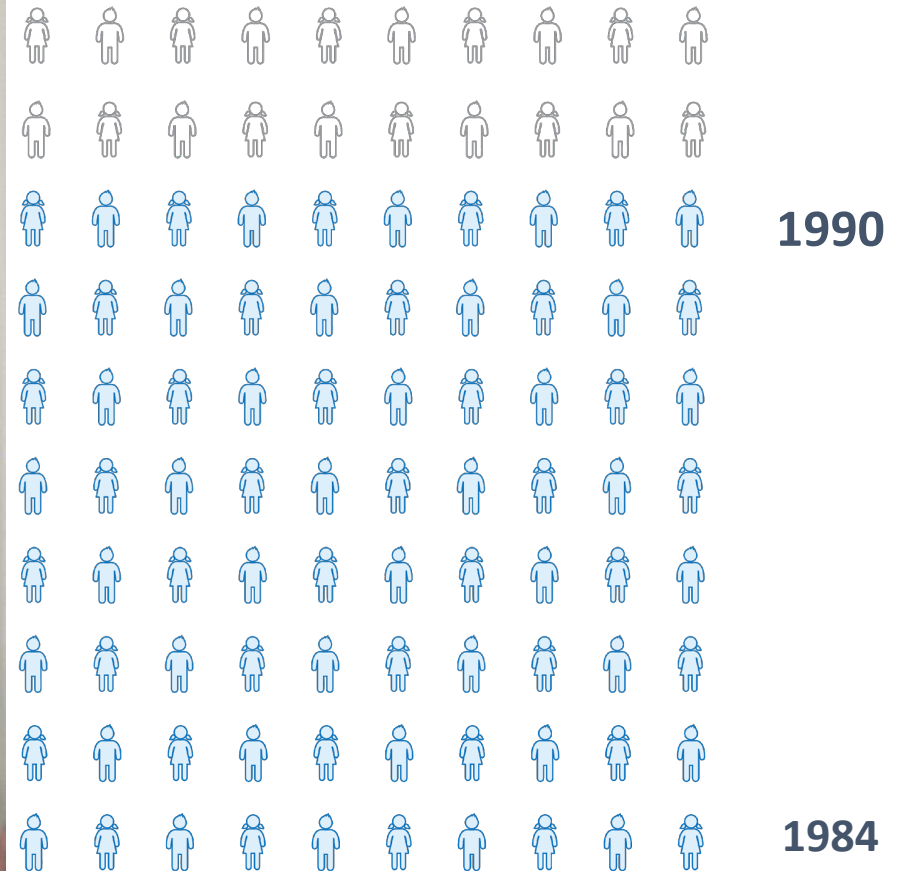THE TASK FORCE FOR GLOBAL HEALTH

Who we serve

150+ Countries

Why it all began

DR. WILLIAM H. FOEGE

1990

1984

We apply deep expertise & partnerships to:

ELIMINATE DISEASES

- Polio
- Viral Hepatitis
- Neglected Tropical Diseases (NTDs)

ENSURE ACCESS TO VACCINES

- Development: safety protocols
- Delivery: Supply chains, health care systems & building vaccine confidence

STRENGTHEN HEALTH SYSTEMS

- Train & equip epidemiologists
- Deliver essential medicines
- Help public health teams build & use digital information systems

MISSION

Advance health outcomes worldwide by guiding public health organizations to effectively access, use, and share information through the application of current and innovative information technologies.

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What we do:

- Workforce development
- Capacity-building
- Shared solutions and products
- Process analysis and requirements development
- Technical assistance

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Poll time!

- Raise your hand if your IIS team has onboarded new people since COVID-19 started.

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Poll time!

- Raise your hand if YOU started working in immunizations/IIS since COVID-19 started.

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IIS Core Competency Model

**Immunization Information System (IIS)
Core Competency Model**

July 2021

Public Health Informatics Institute

IIS

Driving question: What does an IIS team have to *know* and *do* to be high-performing?

Link to Core Competency Model

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Domain name →

Definition →

Competency statements →

IIS Core Competency Model

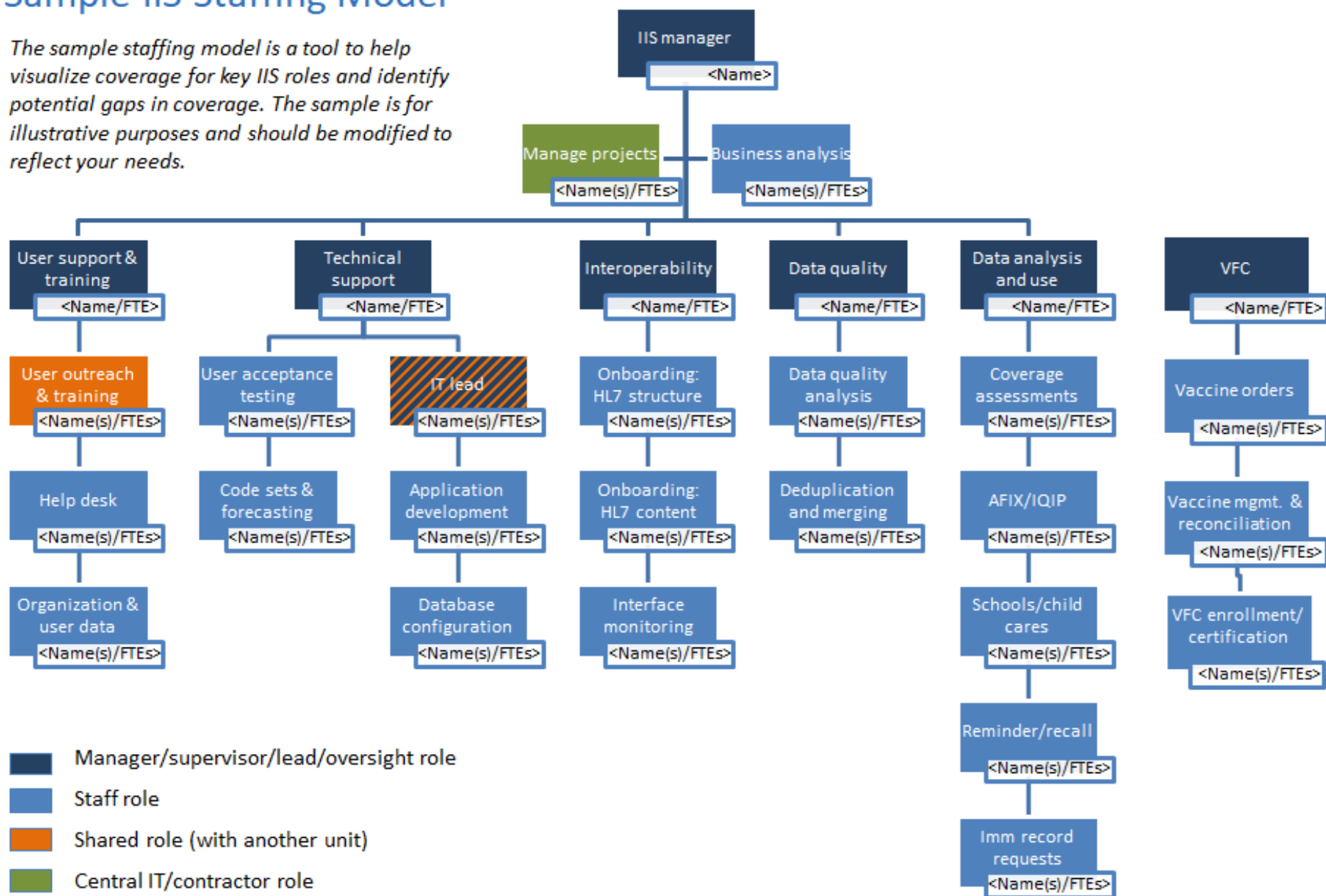# IMMUNIZATION INFORMATION SYSTEM (IIS) CORE COMPETENCY MODEL

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Staffing Tools

Sample IIS Staffing Model

The sample staffing model is a tool to help visualize coverage for key IIS roles and identify potential gaps in coverage. The sample is for illustrative purposes and should be modified to reflect your needs.

IIS manager
<Name>

Manage projects
<Name(s)/FTEs>

Business analysis
<Name(s)/FTEs>

User support & training
<Name/FTE>

Technical support
<Name/FTE>

Interoperability
<Name/FTE>

Data quality
<Name/FTE>

Data analysis and use
<Name/FTE>

VFC
<Name/FTE>

User outreach & training
<Name(s)/FTEs>

User acceptance testing
<Name(s)/FTEs>

IT lead
<Name(s)/FTEs>

Onboarding: HL7 structure
<Name(s)/FTEs>

Data quality analysis
<Name(s)/FTEs>

Coverage assessments
<Name(s)/FTEs>

Vaccine orders
<Name(s)/FTEs>

Help desk
<Name(s)/FTEs>

Code sets & forecasting
<Name(s)/FTEs>

Application development
<Name(s)/FTEs>

Onboarding: HL7 content
<Name(s)/FTEs>

Deduplication and merging
<Name(s)/FTEs>

AFIX/IQIP
<Name(s)/FTEs>

Vaccine mgmt. & reconciliation
<Name(s)/FTEs>

Organization & user data
<Name(s)/FTEs>

Database configuration
<Name(s)/FTEs>

Interface monitoring
<Name(s)/FTEs>

Schools/child cares
<Name(s)/FTEs>

VFC enrollment/ certification
<Name(s)/FTEs>

Reminder/recall
<Name(s)/FTEs>

Imm record requests
<Name(s)/FTEs>

Legend:
- Manager/supervisor/lead/oversight role
- Staff role
- Shared role (with another unit)
- Central IT/contractor role

Link to Staffing Tools

Immunization Information System (IIS) Trainer

Sample Role Description

March 2016

Public Health Informatics Institute

informatics ACADEMY
Informed decisions. Healthier populations.

Roles descriptions include:

- IIS manager
- Project manager
- Business analyst
- Help desk technician
- Data quality analyst
- Data entry deduplication specialist
- Data extract analyst
- Interface analyst
- Testing analyst
- Trainer

What other roles are there within an IIS team that need a role description with associated competencies?

Link to Staffing Tools

Trainings and eLearnings

Welcome to IIS Email Course

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Fundamentals of IIS courses

BLUEPRINT ENDPOINT
IISs have trusted data to:
1. Assess national, state, and local immunization coverage
2. Identify vulnerable populations and pockets of need
3. Support responses to emerging needs

AVAILABLE

COMPLETE

VALID

TIMELY
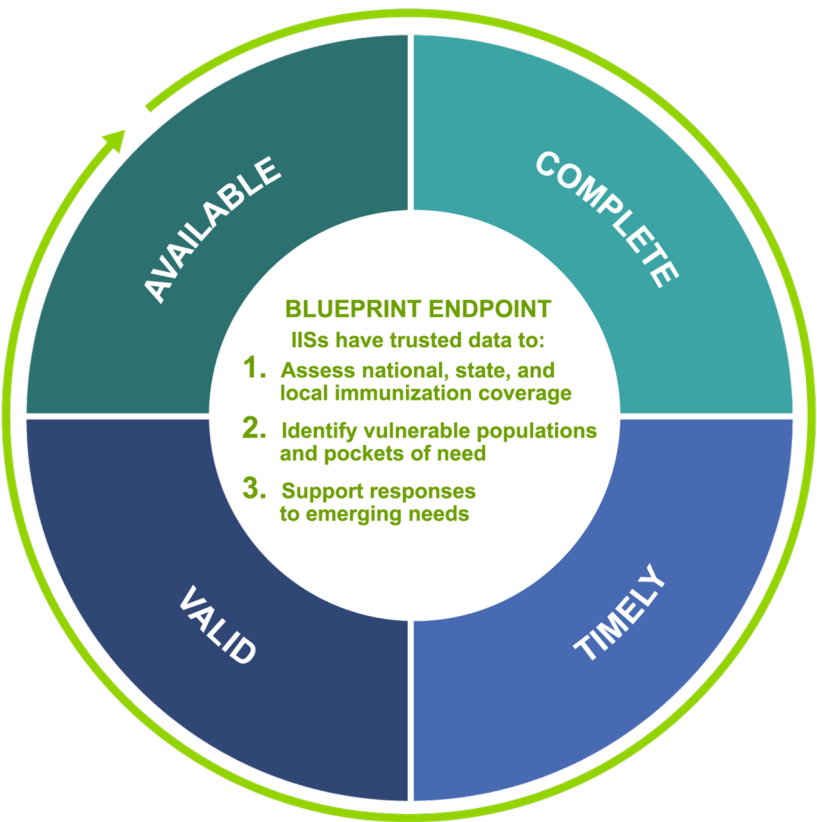
ENABLING CHARACTERISTICS

ACCURATE	CONSISTENT	UNIQUE

Data Quality

Interoperability

Patient   Clinician
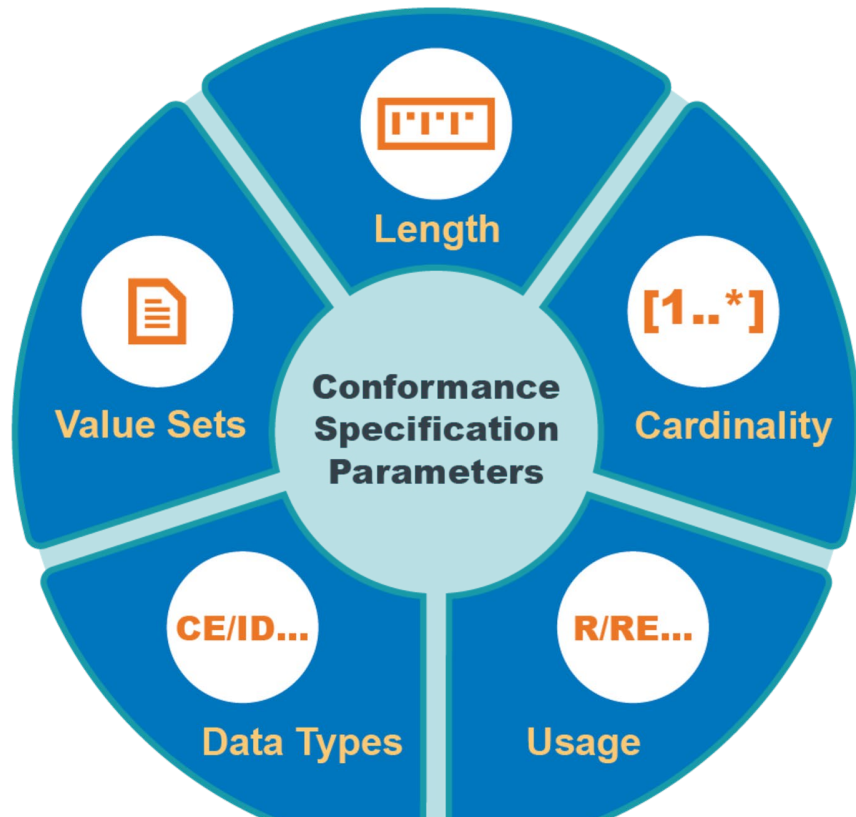
EHR

Immunization Update
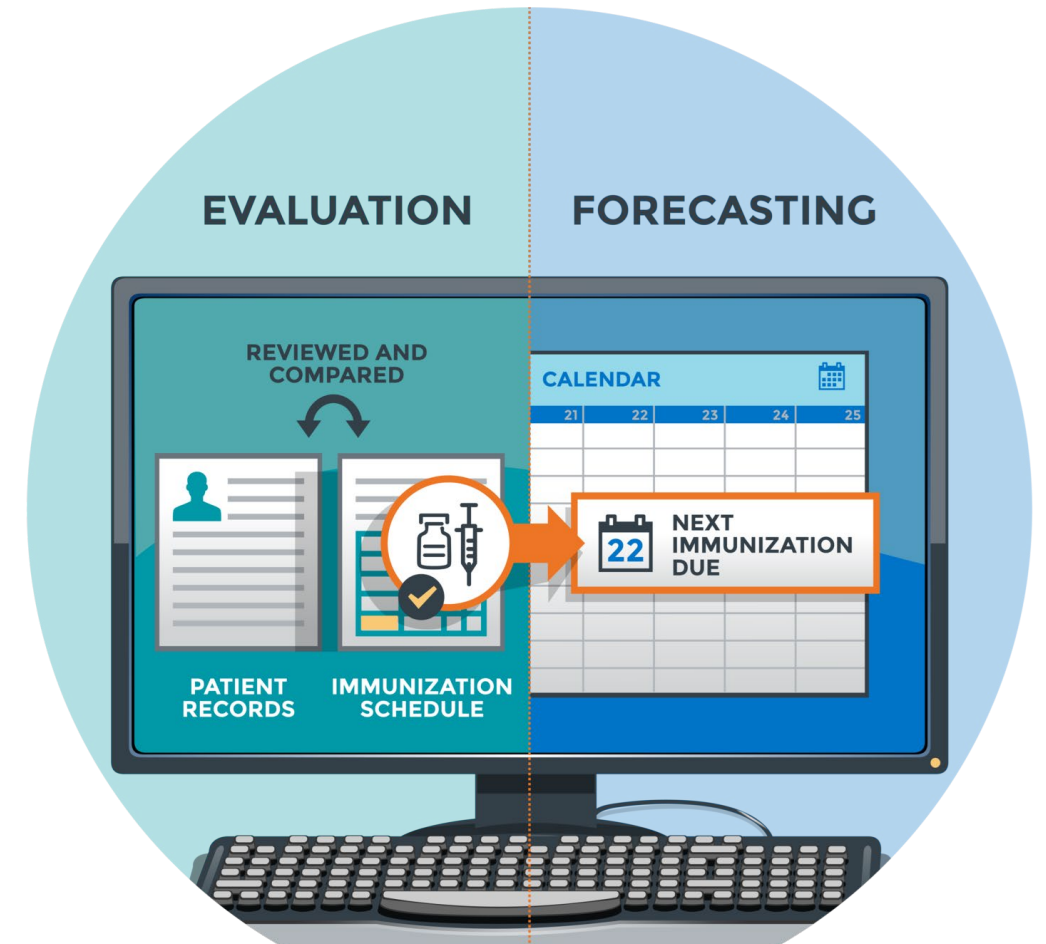
EHR

① Update

Interface

② Acknowledgement

IIS
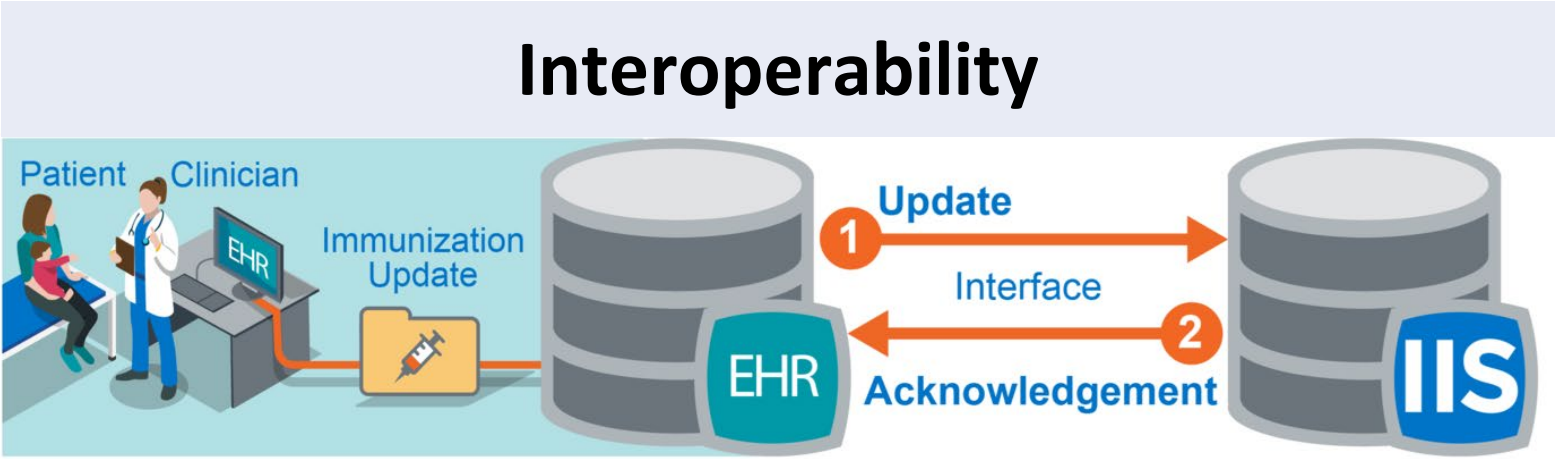
Basics of HL7

PID|1||3123^^^NIST-MPI-1^MR||Richardson^Russell^Clint^^^^L|Billington^^^^^^M|20150415|M||

1002-5^American Indian or Alaska Native^CDCREC|543 Blount Drive^^Bozeman^MT^59715^USA^P||

^PRN^PH^^^406^5557690|||||||||||2186-5^Not Hispanic or Latino^CDCREC||N|1|||||N

More advanced IIS topics

Advanced HL7

Immunization Evaluation & Forecasting

Poll time!

- If we created training courses, what topics would be most helpful for your team?
  - New staff
  - Existing staff

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phii.org/IISHub

IIS | Learning Hub | Training and tools for managing immunization information systems

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Poll time!

- How else can PHII best support you and your staff?
  - Trainings
  - Toolkits
  - Technical assistance
  - Workshops

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Questions?

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