



Current State- Jurisdictional PHA

ONC HITAC Public Health Data Systems Task Force

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The Goal

- To provide data for Public Health action.
 - Data to Information to Action
- Get the right information in the right hands at the right time
 - Manual data entry is burdensome for all (public health nurses and DIS)
 - Resources are limited- need more people doing PH and less data entry
- Regardless of interface- success is dependent on the completeness, accuracy, reliability, and timeliness of data inputs
- Regardless of interface, efficiency is impacted by the conformance of the data files received

Challenges-

- Variability - 2 flavors
 - Jurisdiction
 - What's reportable, how it should be reported, deviations/variability in local technical specifications
 - Balance between standardization and jurisdictional legal authority & reporting requirements
 - Program
 - Supported by categorical funding
 - Program specific requirements and program specific solutions can lead to redundancy and inefficiency
- Addressing variation
 - eCR
 - AIRA IIS Measurement and Improvement Program

Challenges-

- Lack of conformance –
 - Lesson learned from EHR certification
 - Optionality and ambiguity leads to wide interpretation of standards for implementation
 - Focus on syntax, but not so much content or quality
 - Results in processing burden, leading to delay and further variation
- Data Quality and Completeness-
Patient Address-
 - Pressure to sacrifice quality for quantity
 - Patient address & Jurisdiction assignment
 - Race and Ethnicity
 - Coded values
 - Missing clinical or laboratory details like specimen
 - Results in phone calls and delay

Considerations

- PH evolution- need to build systems that are scalable and extensible
- Standards continue to evolve–
 - We will always have new standards and new silver bullets
 - FHIR is the new CDA
 - Address optionality & ambiguity
 - Ensure interoperability standards meet needs of PH and evolve
- Accountability for meeting interoperability standards
 - Look beyond connectivity and syntax to semantics and content
- Leverage learn lessons from existing certification programs- what worked, what didn't

