



### SHIELD Priority Areas:

#### Knowledge Management

Promoting an integrated approach to identifying, capturing, evaluating, retrieving, and sharing lab data and ensuring that data is understandable, reproducible, and useful

**Action:** harmonization of data standards/development of lab data repository

#### Systems Thinking

Reengineering the laboratory data transfer process in a manner that prioritizes safety, integrity, and graceful evolution over time above all else

**Action:** production and expansion of "data reliability" metrics

#### Enhanced Analytic Data Storage

Developing an authoritative source for laboratory data representation that supports existing data models and is accessible by all entities that create or use laboratory data

**Action:** creation of an IVD Data Store

#### Ecosystem Engagement

Collaborating and sharing perspective across industry, agency, and discipline, as well as educating stakeholders about laboratory data interoperability

**Action:** collaboration with Health IT stakeholders for feedback and validation (e.g., HLT)