

Interoperability: Utah NBS

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Data Interoperability: What does it mean?

- **Device Management: NBS Program – Provider Interactions**

- Medical Device registration

- Inventory Management

- Device order and use

- Collection of Specimens (Device Logistics)

- **Pre-analytical Phase**

- Accurate demographic information

- Timely collection of NBS

- Timely transport to NBS Laboratory

- Registration at arrival

- Communication phase with providers regarding unsatisfactory specimens (recollection, training)

Data Interoperability: What does it mean?

- **Analytical: Laboratory Environment**

 - General LIMS functions

 - Cloud-functionality interoperability (Agile COOP solution)

 - Easily configurable LIMS (Internally, externally)

 - Easy connectivity with diagnostic reference laboratories and 3rd parties

- **Post-analytical Phase**

 - Follow-up (result dissemination)

 - Reference laboratory connectivity

 - EHR connectivity

 - Long-term follow-up: automated and ad-hoc solutions

 - KPI capabilities (internal, external)

Data Interoperability: Support Requirements

- Device Management Solution
- Cash/Revenue Cycle Support Solutions
- Laboratory Information Management System
 - Laboratory Interface Solutions
 - COOP capabilities
 - Scalability
- Chain-of-Custody Environment
- Customer Engagement
 - Results
 - Training*
 - Long-term Follow-up Solutions
 - Data Sharing (data repositories, registries)

Data Interoperability: Support Requirements

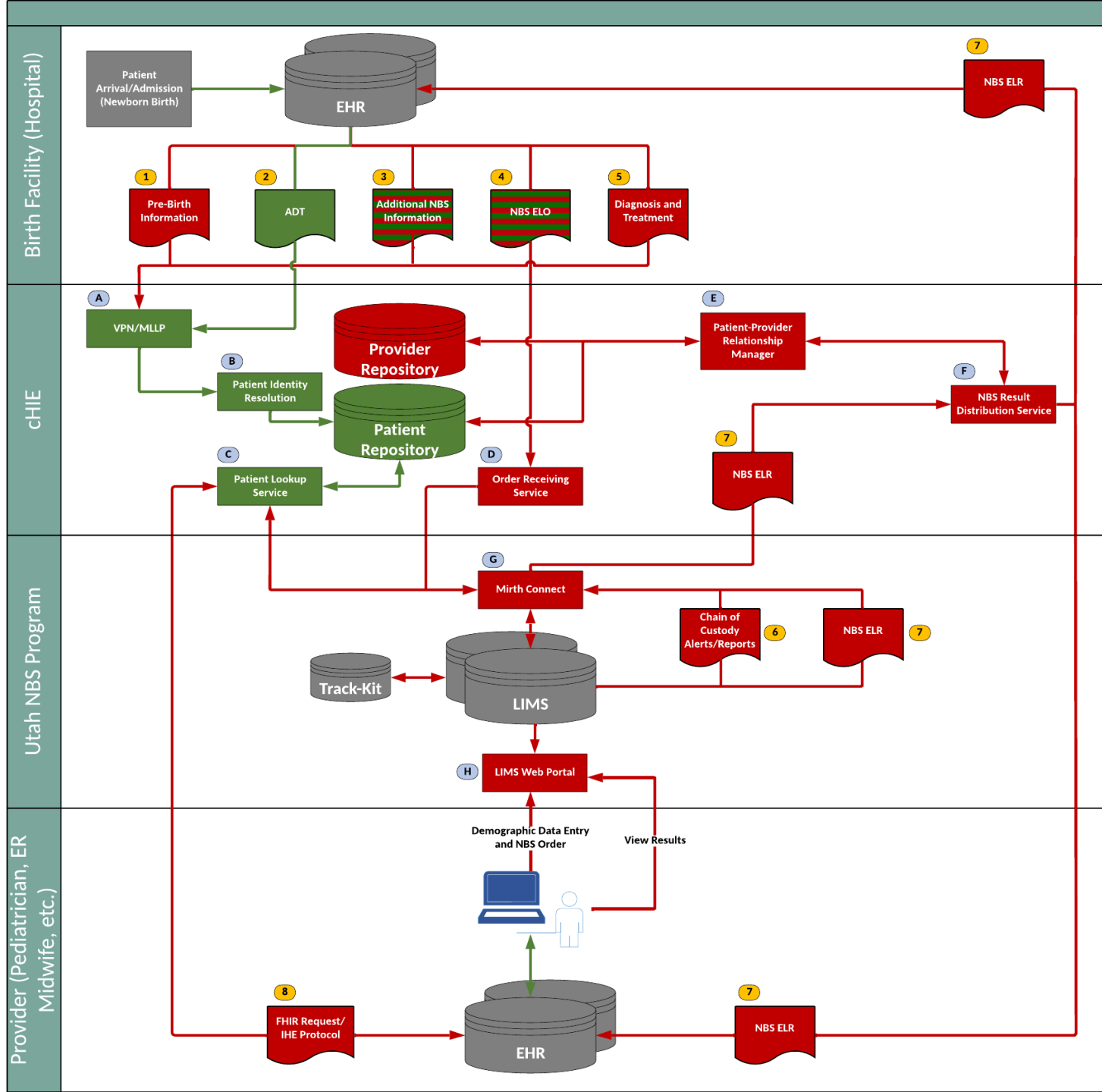
- Device Management Solution
- Cash/Revenue Cycle Support
- Laboratory Information Management System
- Chain-of-Custody Environment
- Customer Engagement

Results

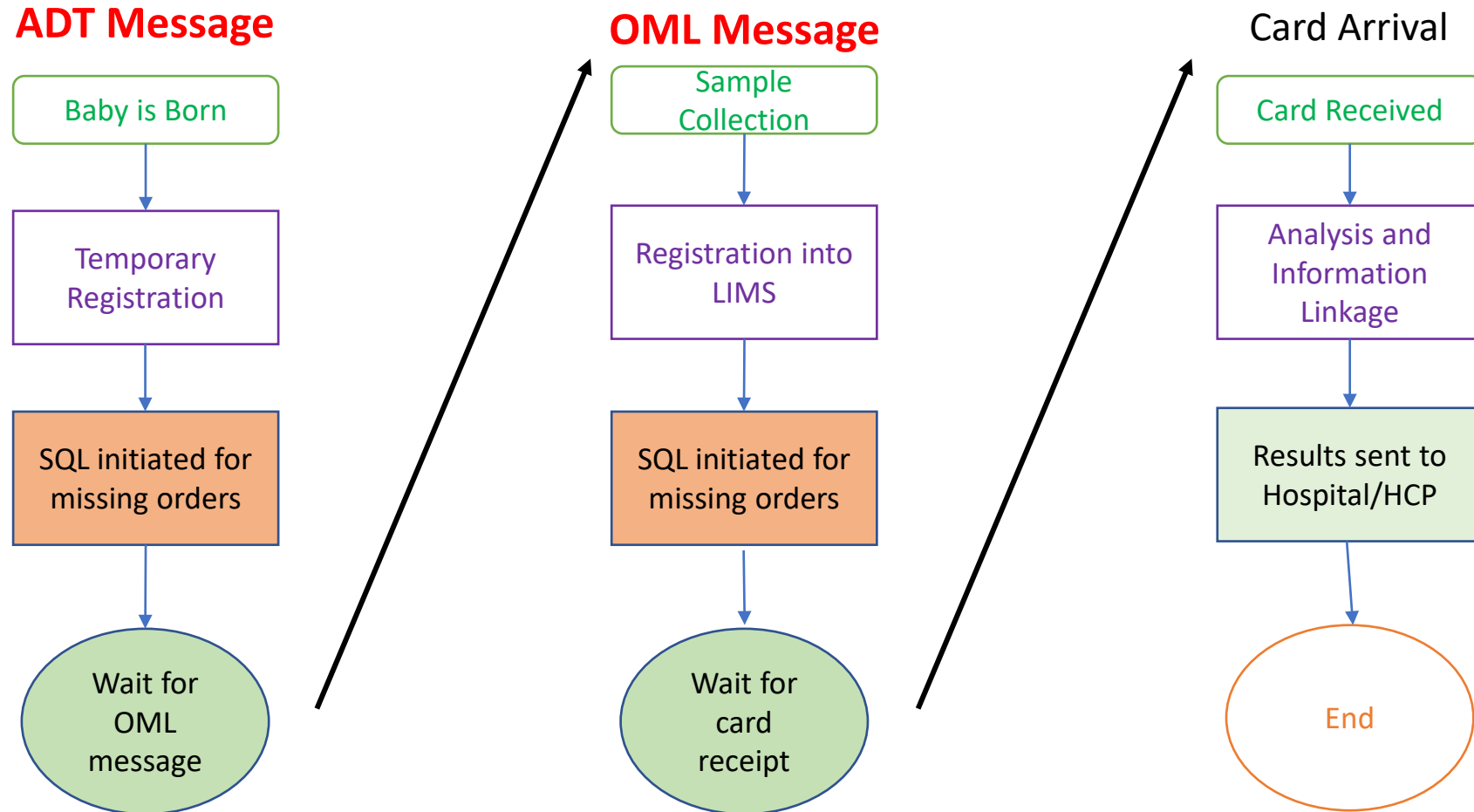
Training

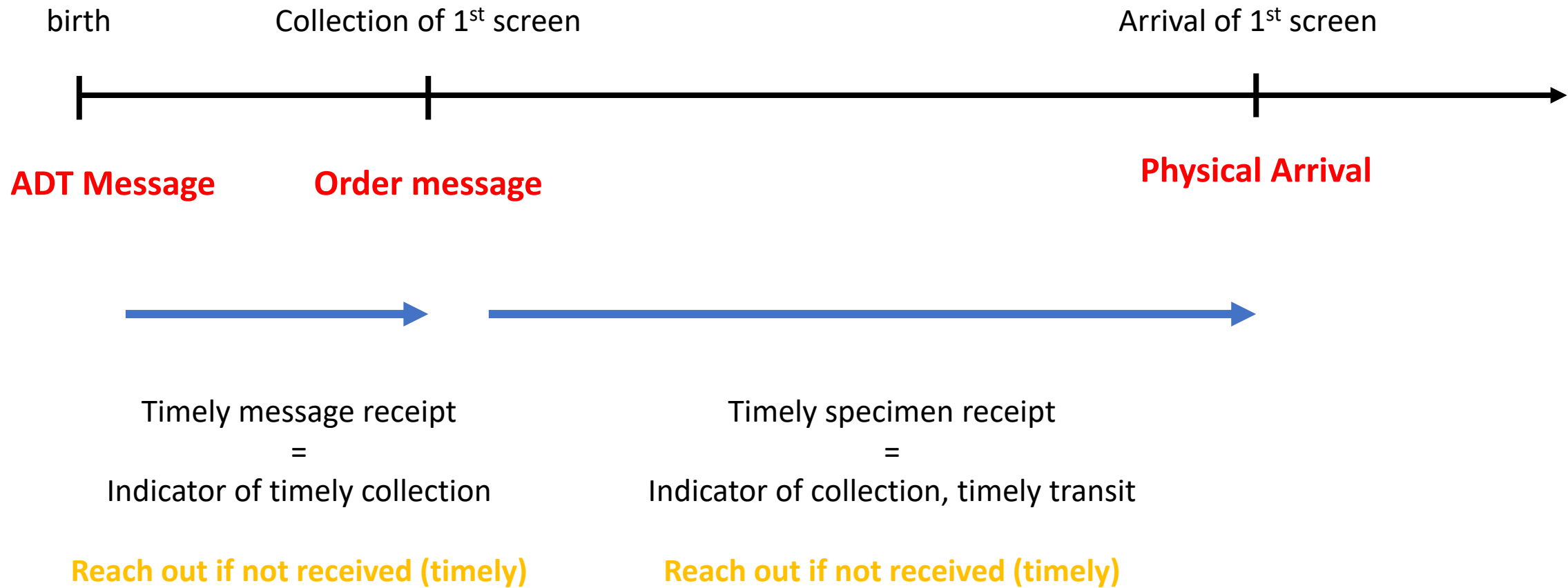
Long-term Follow-up Solutions

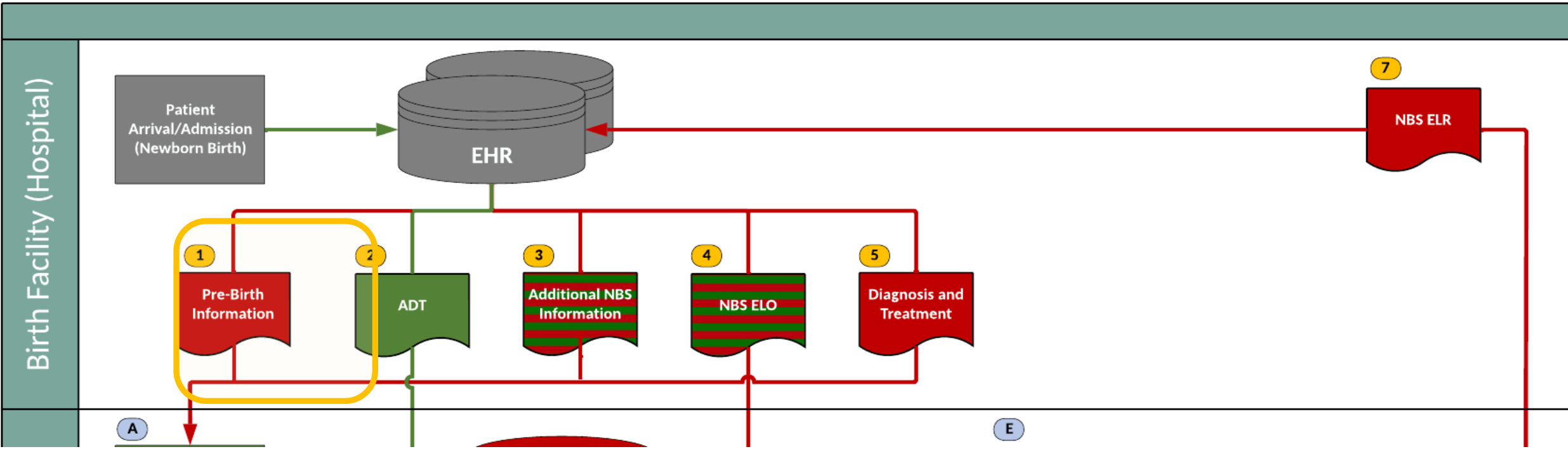
Data Sharing (data repositories, registries)



Chain-of-Custody Environment

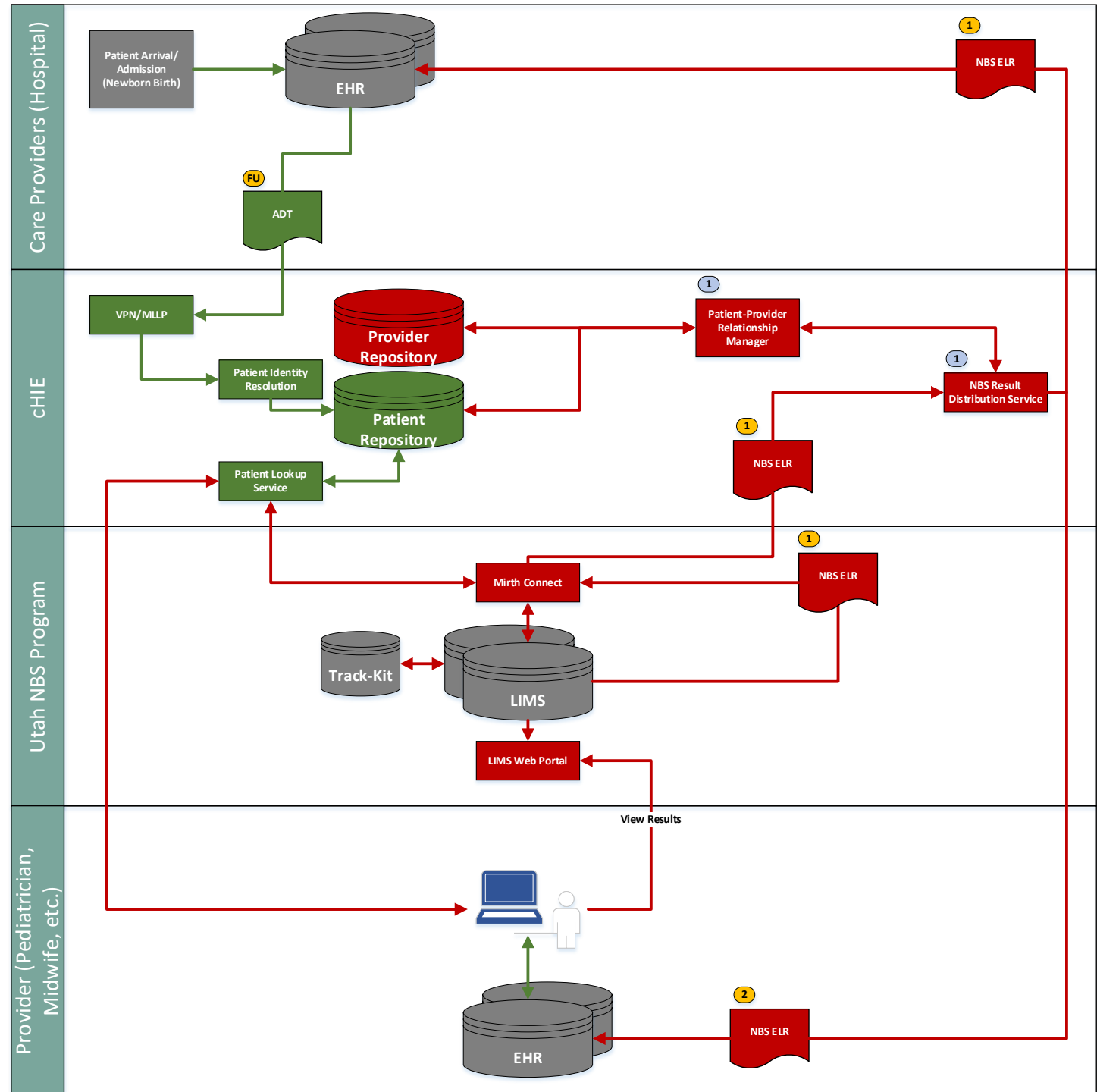




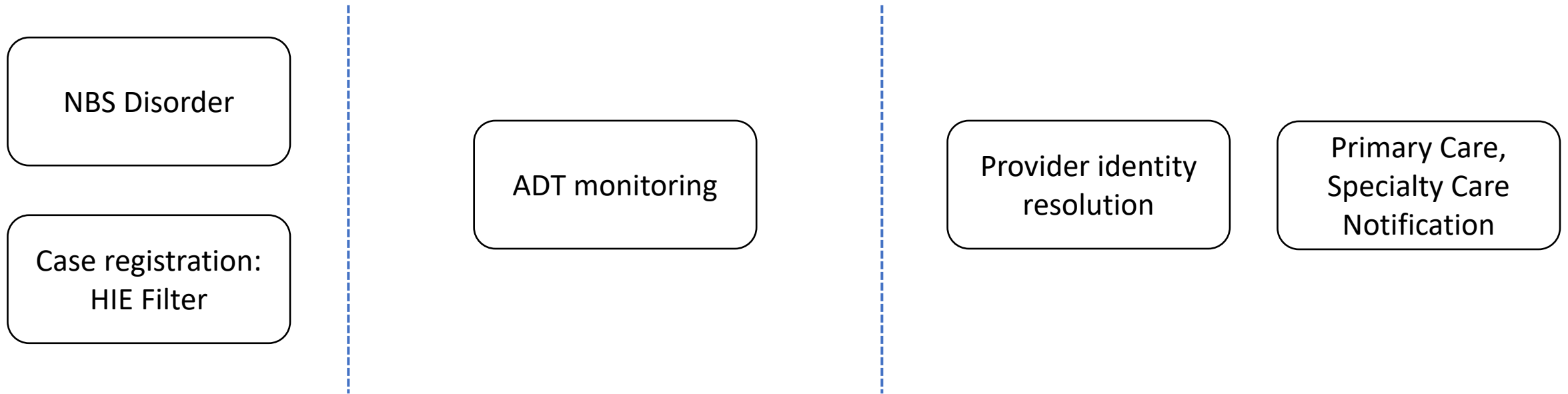


Towards a Sustainable LT-Follow-up Solution

- Scalable
- Central system or distributed solution
- Automated but also ad-hoc, acute
- Actionable
- Very limited models available to study or adopt



ADT Message: Foundation for LT-Follow-up



HRSA-Funded Utah Project

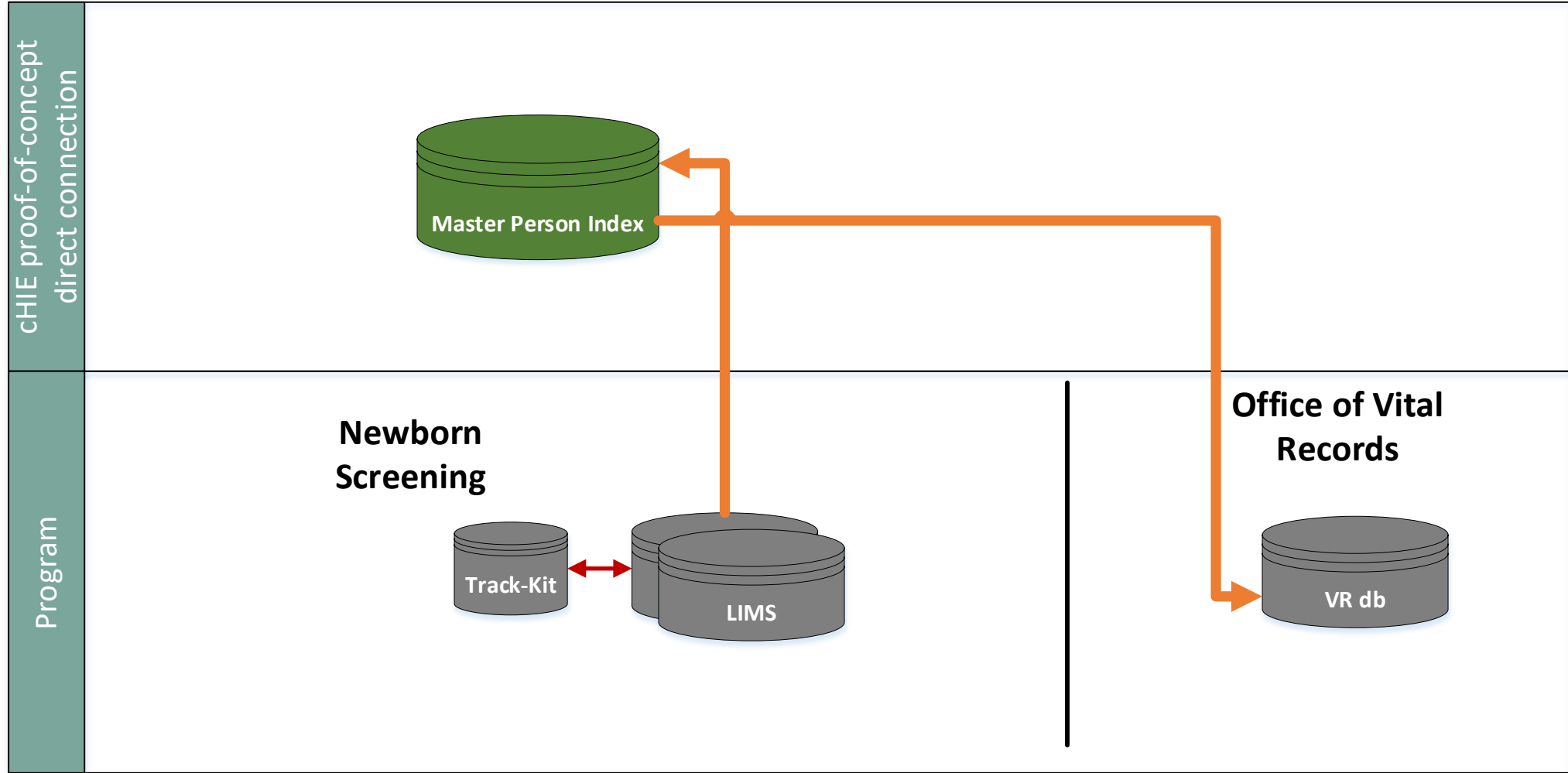
Goal:

Connecting Utah NBS program with the Office of Vital Records

Why:

Data cleaning, Record consolidation, Introduction of inter-OU efficiencies

Proof-of-Concept Study showing Feasibility



Data Interoperability: HRSA Award

