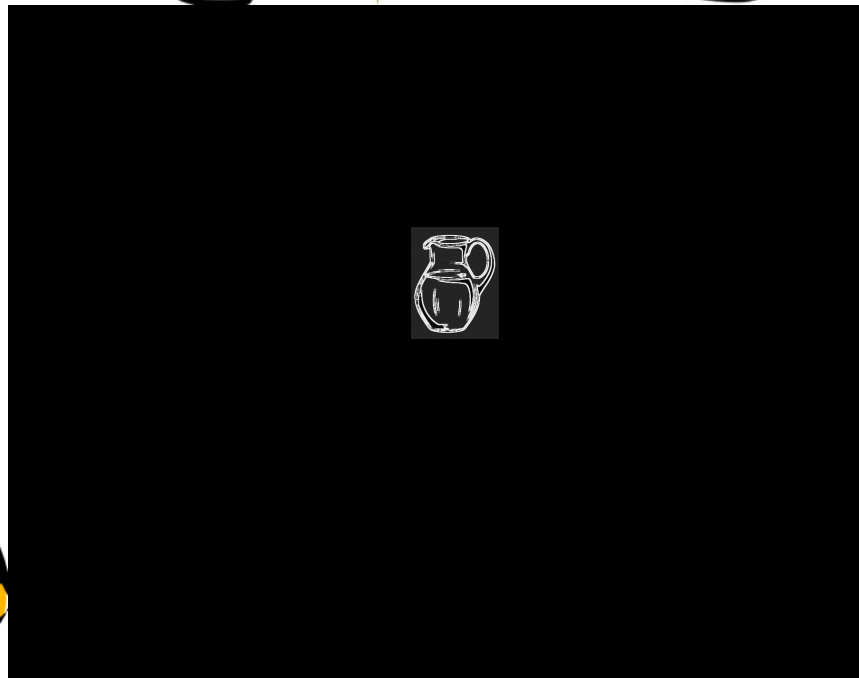
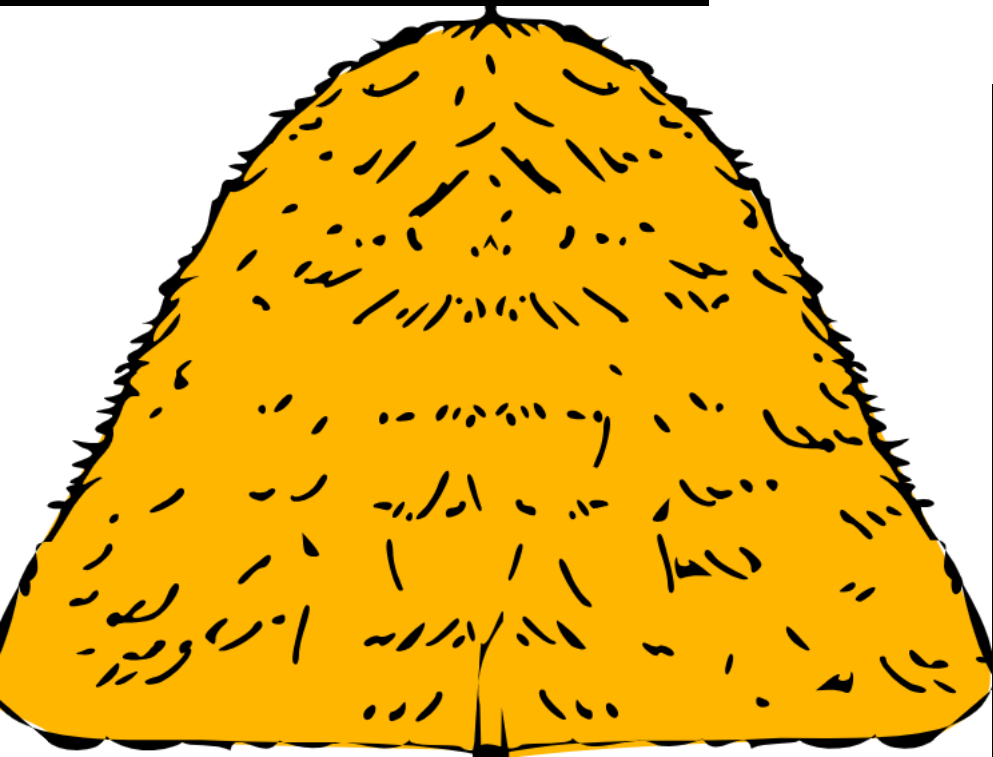
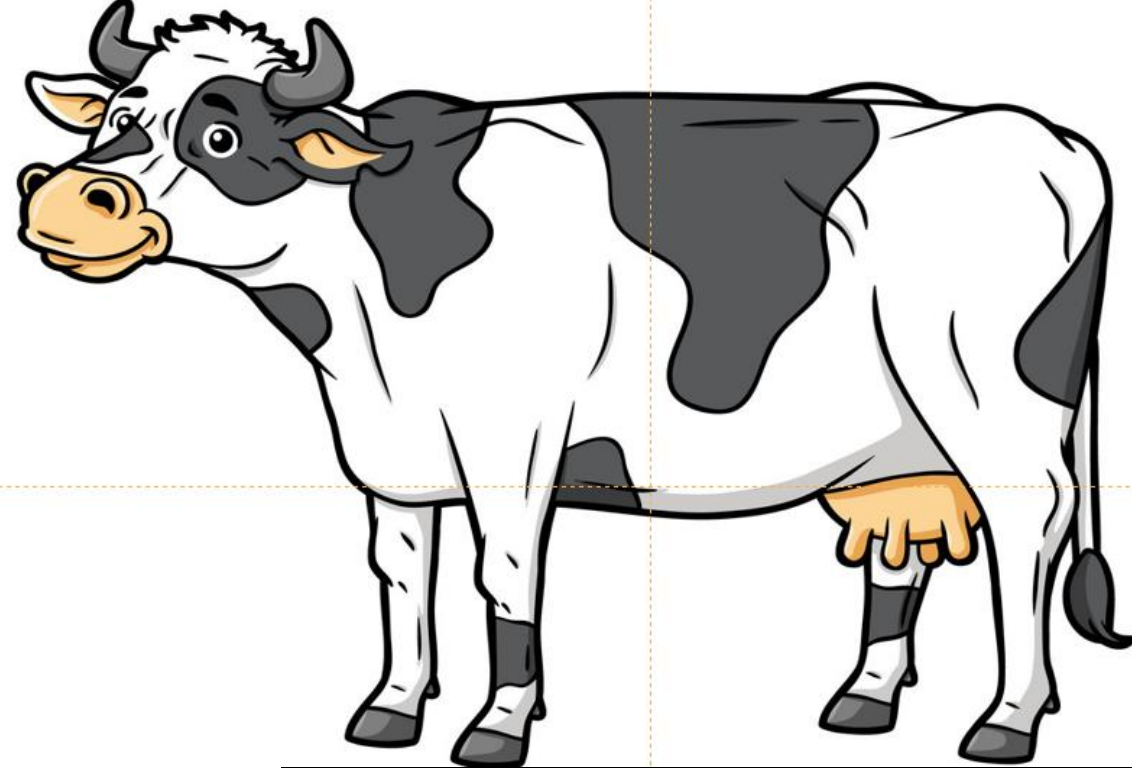
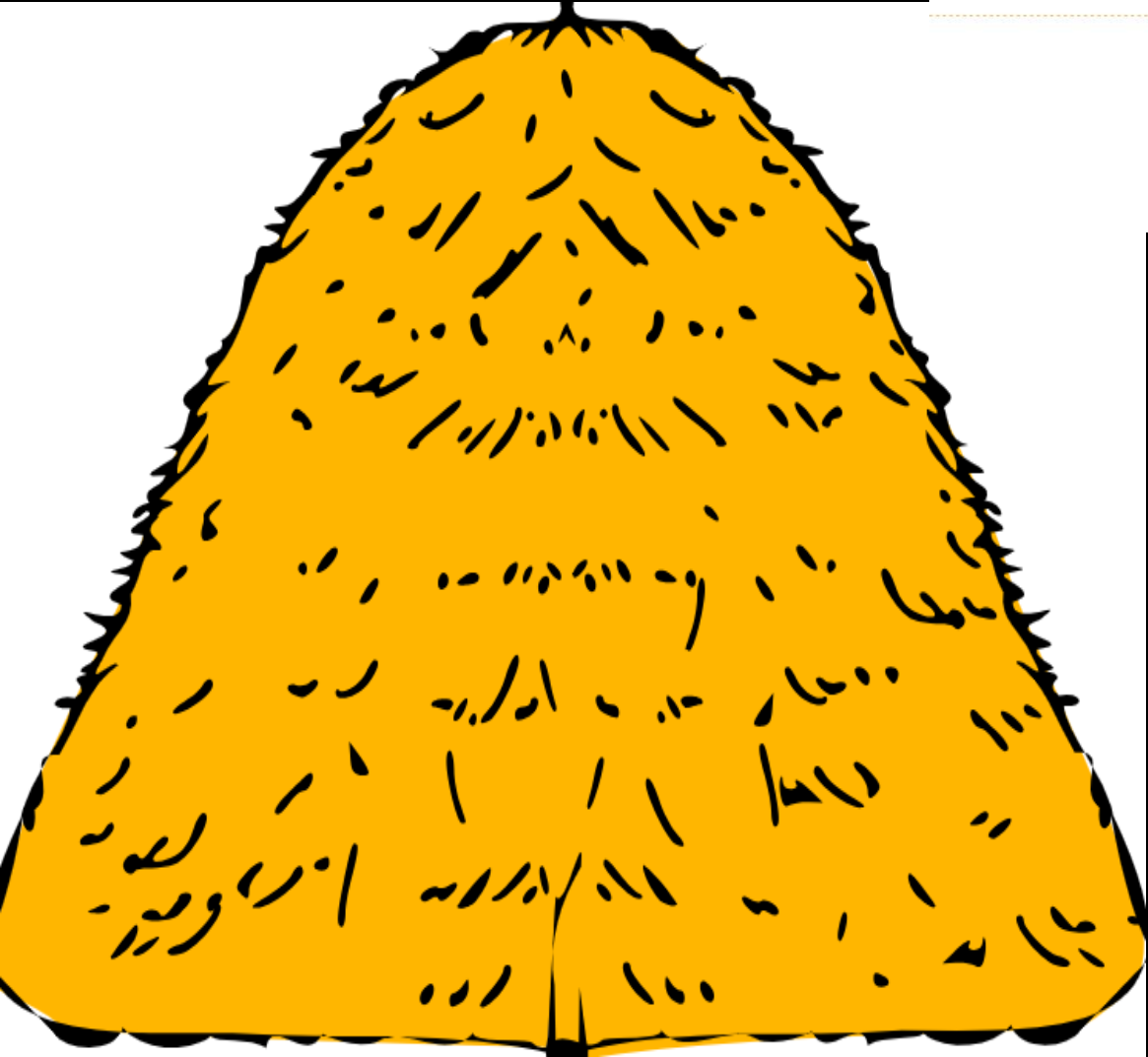
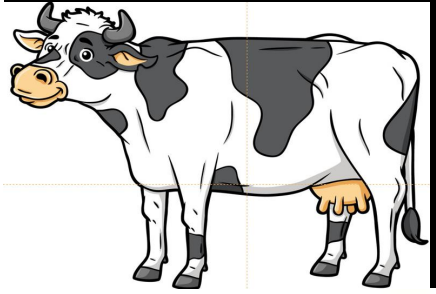
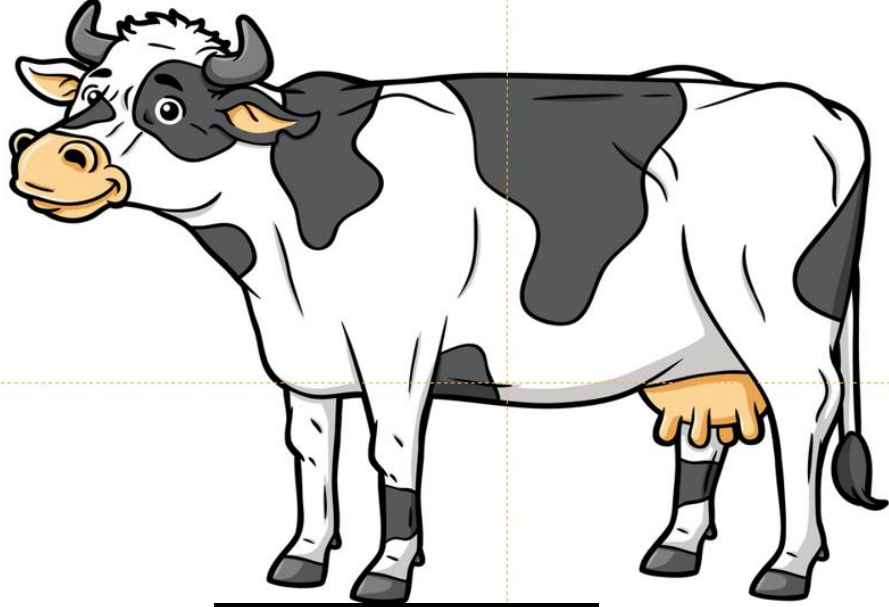


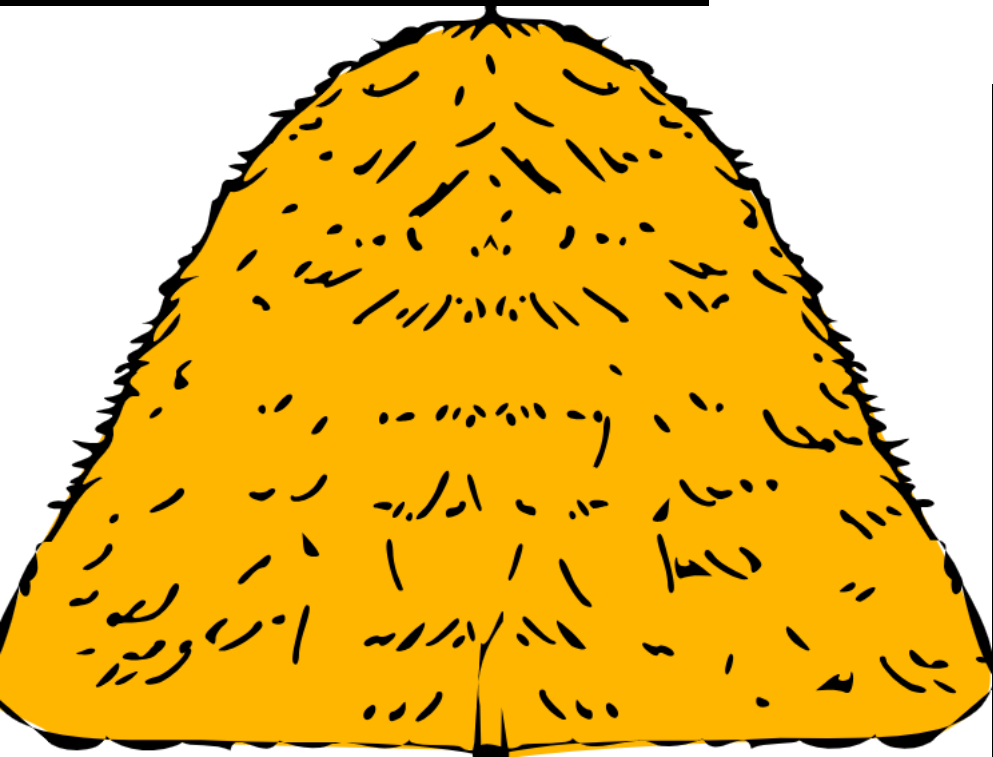
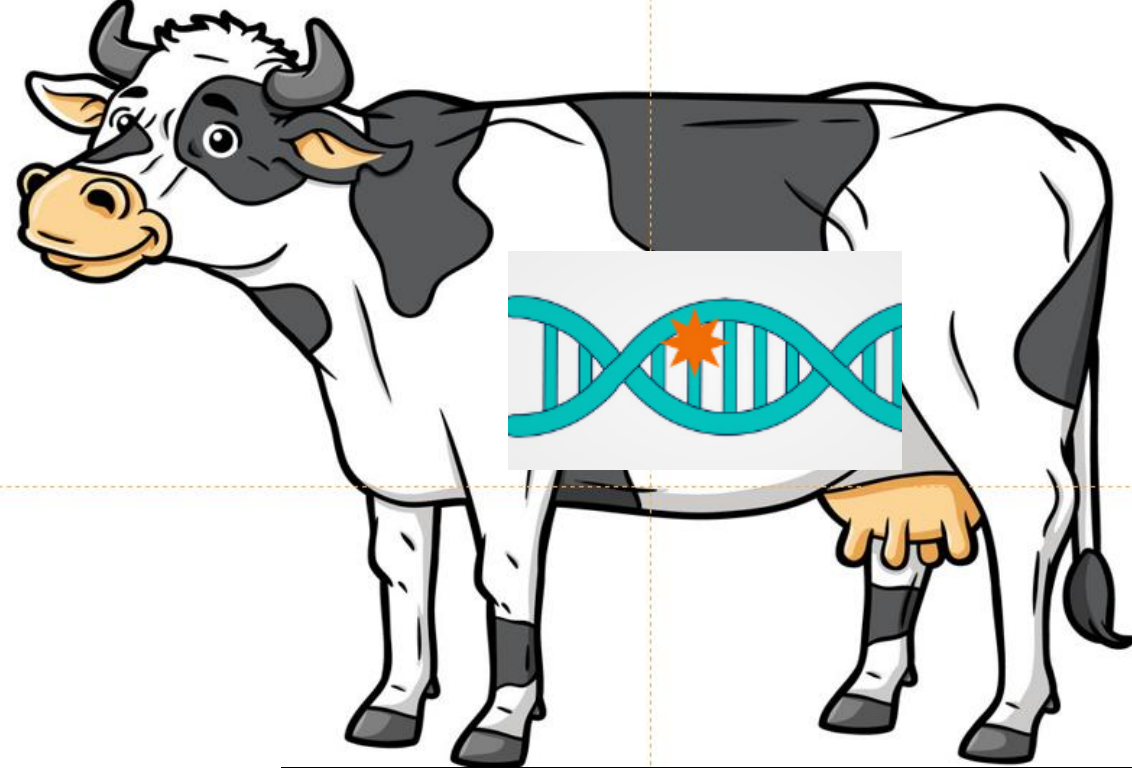
Healthcare Interoperability

Phil Beckett, PhD

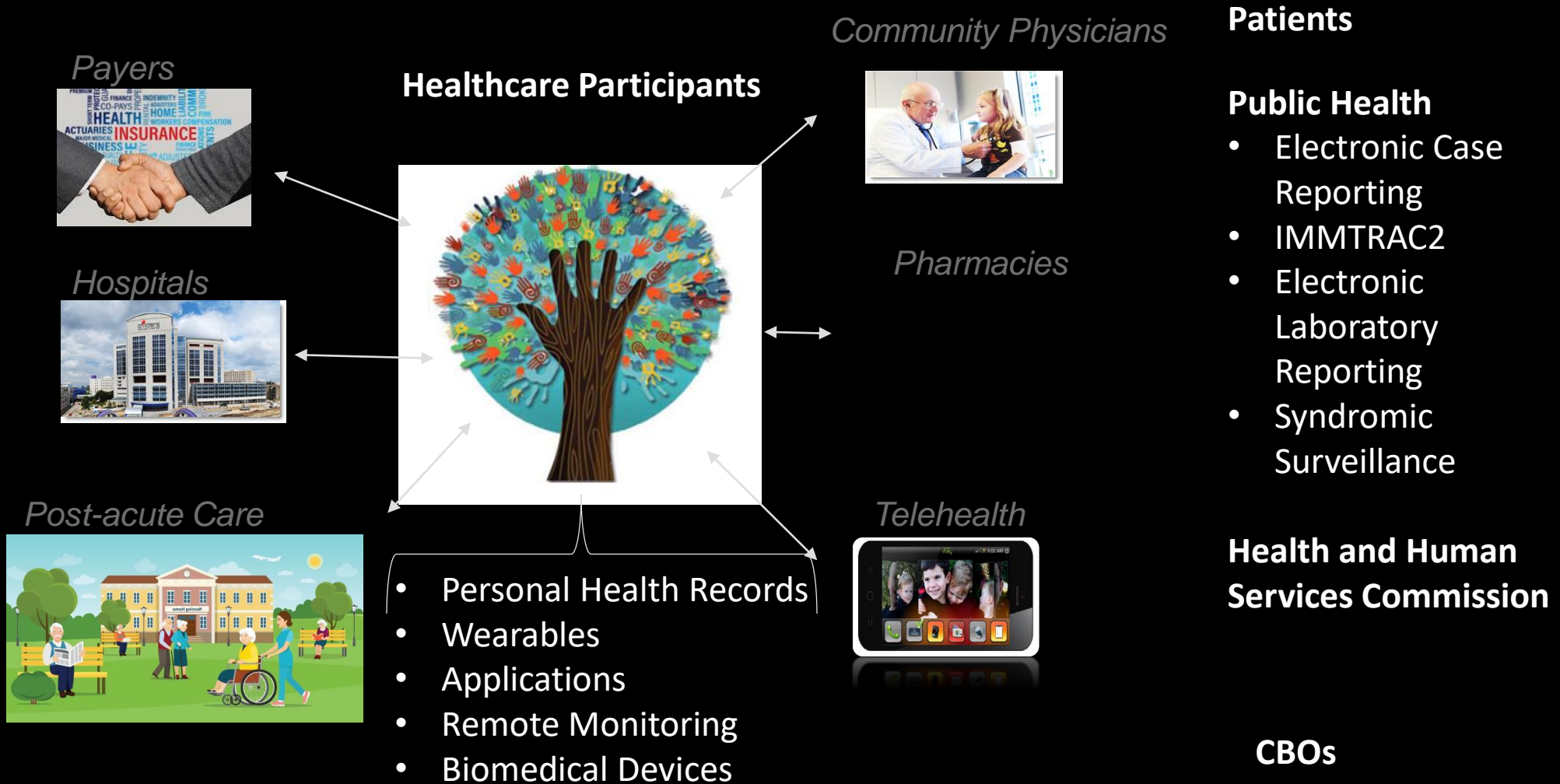








CARE COMPLEXITY - INTEROPERABILITY STAKEHOLDERS



Healthcare efficiencies

Administrative costs

- \$812 billion on administration in 2017, amounting to \$2497 per capita (34.2% of national health expenditures)

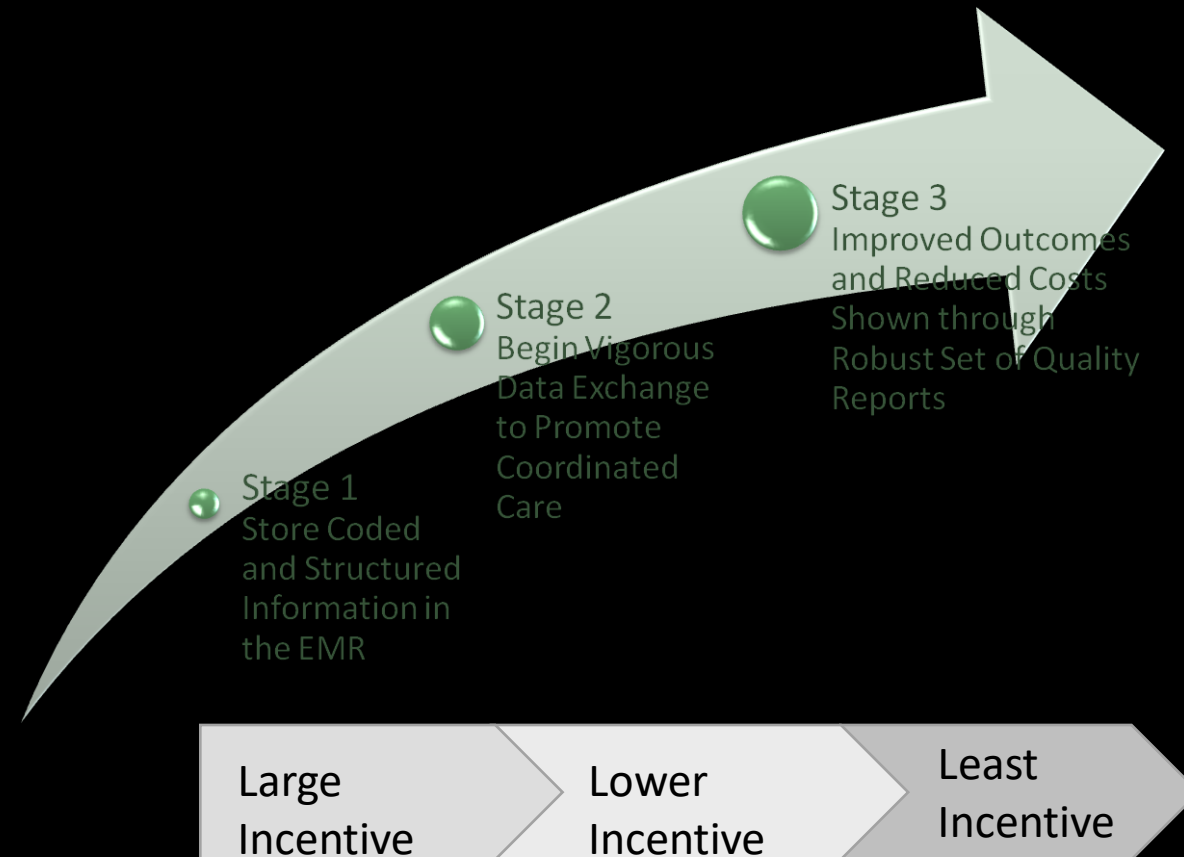
• *Ann Intern Med.* 2020;172[2]:134

Clinical costs

- To Err is Human – 1999 - 44,000 to 98,000 people die each year as a result of preventable medical errors
- Today?

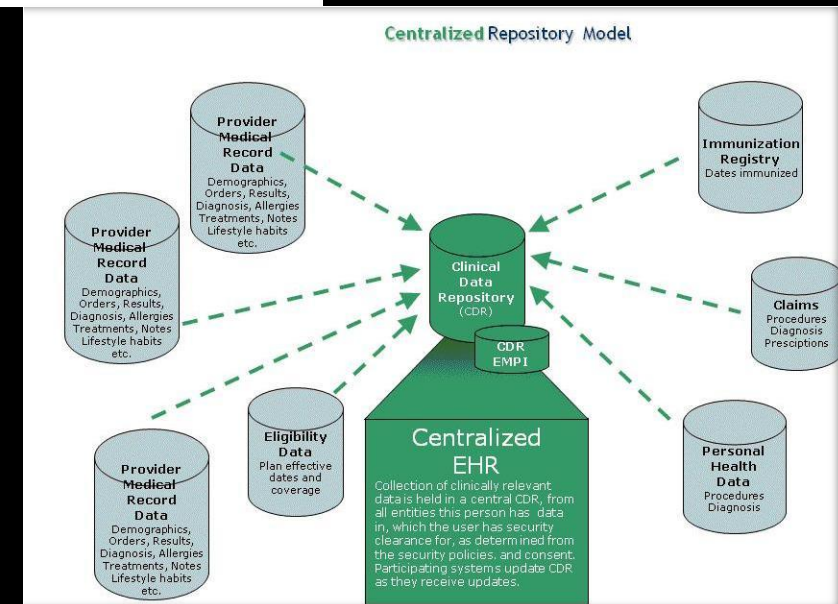
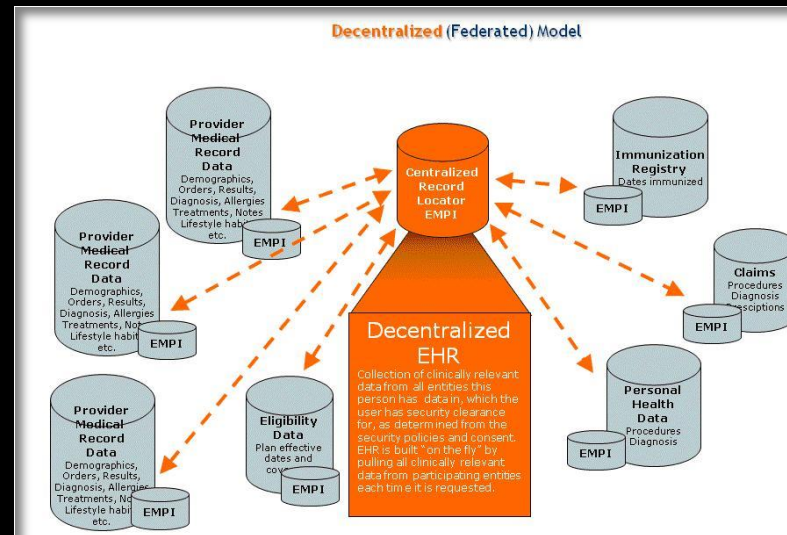
Systematic process for M/U Implementation

- Federal mandate to Office of the National Coordinator- 2009: *“facilitate and expand the secure, electronic movement and use of health information among organizations according to nationally recognized standards.”*



Key Components of a Health Information Exchange

- Real-time exchange
- Clinical data from EMR's and claims data
- Data aggregation – federated vs. conventional vs. hybrid
- Patient matching – electronic Master Patient Index
- Data normalization



C3HIE Capabilities

- Aggregated patient lookup
- Data push into customer systems (CCD, ADT)
- Real-time, clinical reporting for quality, utilization, population health, public health, care coordination
- Electronic referral system
- Alerts and discharge notification – TCM, CCM
- Connection to TX HIEs and national HIEs
- Connectivity to DoD & VA
- Individual Access
- RPM

The eHealth Exchange

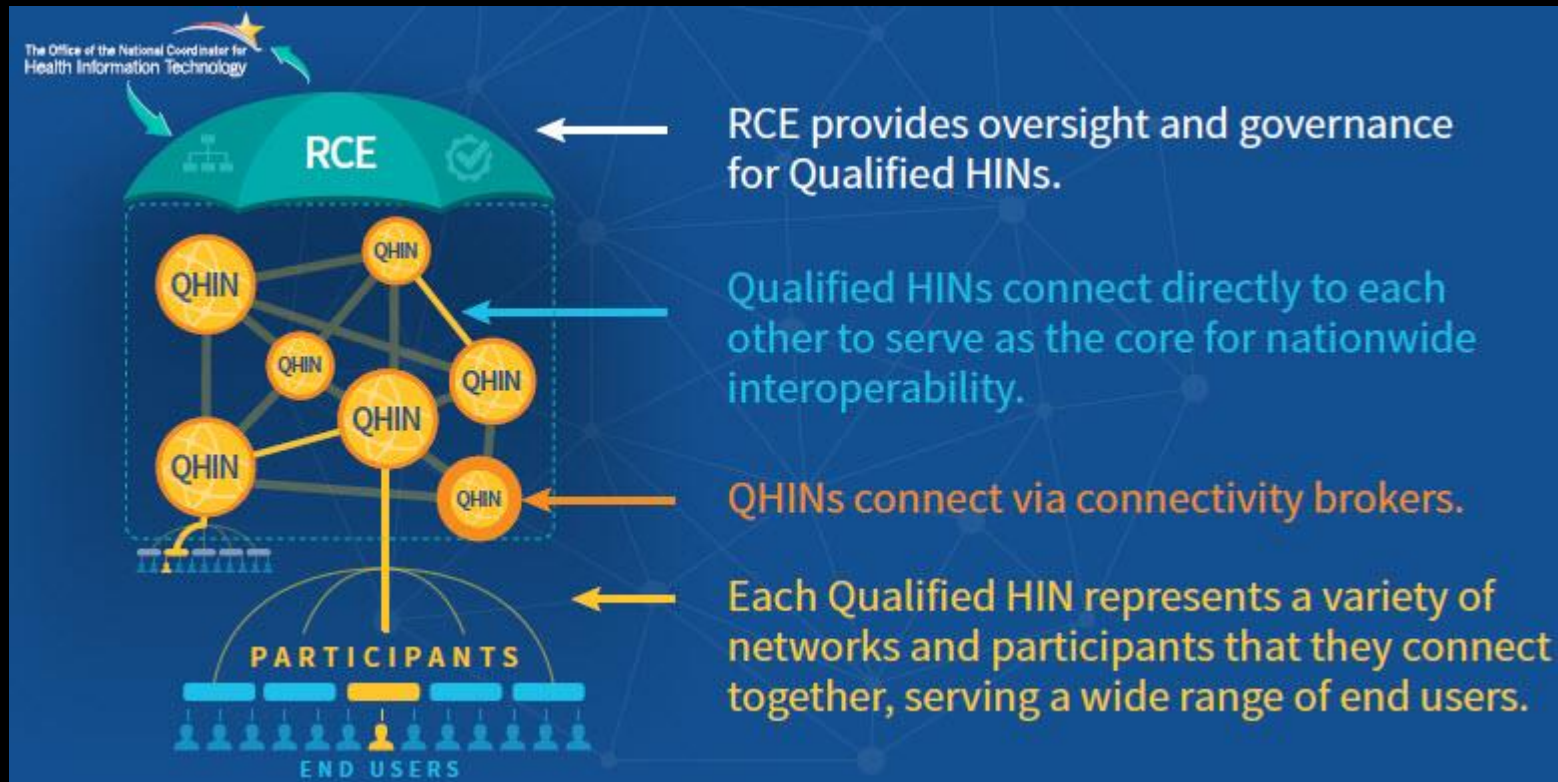
A rapidly growing network for securely sharing health information



Shared Trust Framework

Common Standards, Specifications & Policies

TEFCA



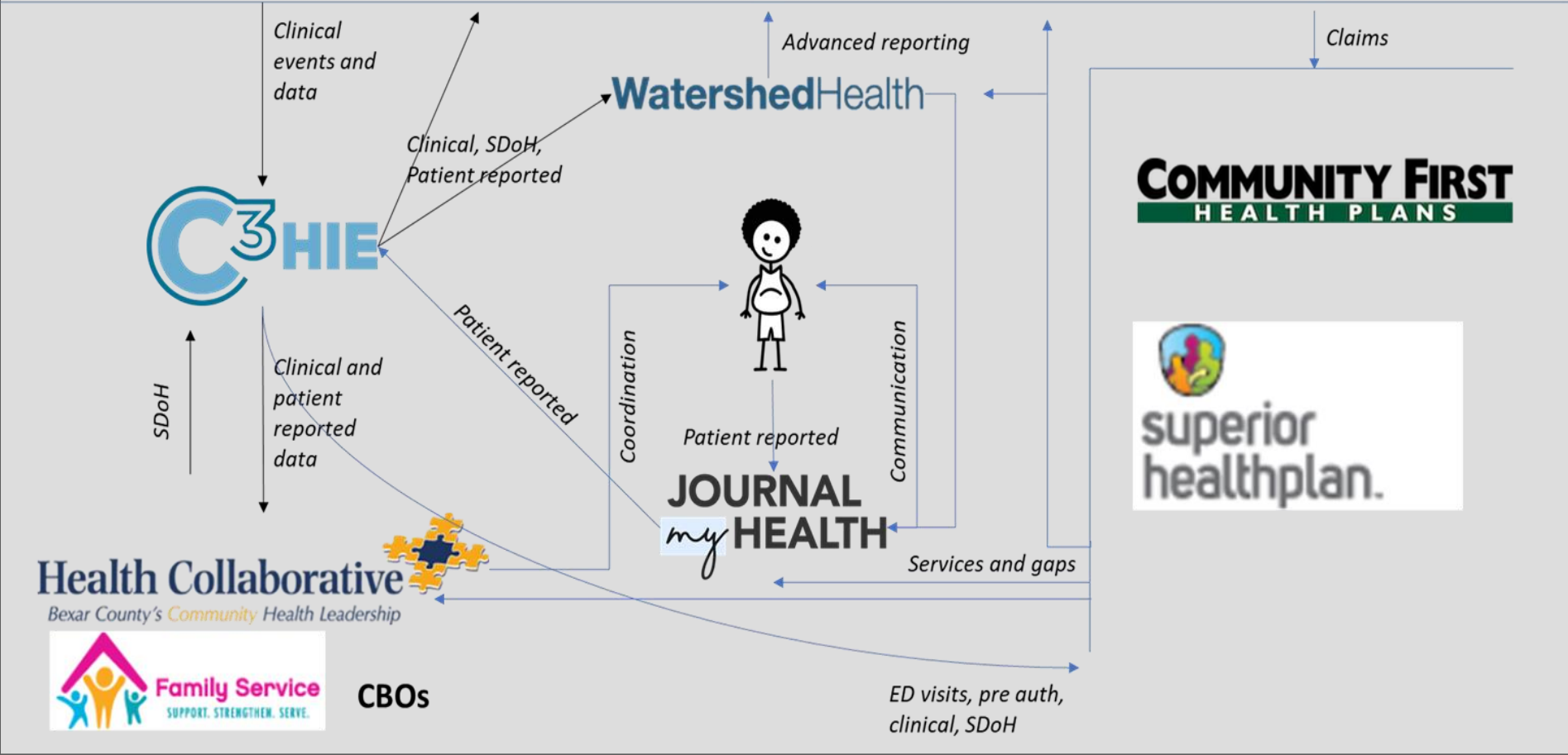
Barriers to exchange...

- Value
- Workflow/data presentation/access
- Competition
- Security and Privacy

Revenue opportunities related to interoperability

- Risk based contracts
- Population risk stratification and triage
- TCM
- CCM
- RPM
- Electronic pre authorizations
- CHIRP/ATLIS
- NMDOH
- Consumer engagement

Community integrations



Questions?