What's New in CDRH Data Modernization Effort?

Alison Russo, Chief Data Officer, Office of Strategic Partnerships and Technology Innovation, CDRH

Randi Scott, Data Scientist Lead, Office of Strategic Partnerships and Technology Innovation, CDRH

Charlie Haggart, Chief Data Steward, Office of the Center Director, CDRH

Center for Devices and Radiological Health Data Modernization – CDRH Enterprise Datahub (CEDh)

Enterprise Datahub

- **Single source of truth for all Center data**
  - Integration and harmonization of disparate data;
  - Quality, consistent data with trustworthy results.

- **Modernization of current Datawarehouse**
  - Cloud-based architecture;
  - Reusable, reliable and quality-based technologies.

- **Scalability**
  - Process;
  - Technology;
  - Human resources.

Business Centered Architecture

- **Detailed conceptual models**
  - Domain-level logical models;
  - Full-scale physical models.

- **Data Governance**
  - Pragmatic, collaborative and impact focused;
  - Guiding principles;
  - Near-term goals.

- **Data Stewardship**
  - Organization;
  - Process;
  - Artifacts.

Analytic & Data Science Infrastructure

- **Reporting, Analytic and Data Science Strategy**
  - Multi-analytic tool environment;
  - Integrated reporting structures.

- **Semantic Layer**
  - Common data language;
  - Use and integration;
  - Strategy and extensible.

- **Artificial Intelligence and Machine Learning**
  - Examples of projects;
  - Use and implementation;
  - Governance strategy.