Chaos

Different Cultures
Different Sources
Decentralized
Different Databases
Different Methods
Lack of Governance
Data Driven Organization

Centralize Data & Analytics

Journey
ONE SOURCE OF TRUTH

HR

Health Plan Data

Health Services Data
BI Developers
BI Analysts
BI Advanced Analytics
BI Systems Developers
Building the Foundation:
- Data Warehouse
- Data Governance
- Standardization
- On Demand

Current State:
- Single Data Warehouse
- Standard Data Governance
- Standard Benchmarking
- Strategic & Embedded Partners
- On Demand Data

Data Dictatorship

Data Democracy

Year 2

Year 3

Year 1

Data Desert

Data Anarchy

Less Central Control

More Central Control

Less Agility

More Agility

No data available

No actionable (defined or comparable) data
Centralized Team
+
Enterprise Data Warehouse
+
Common Language (Governance)
+
Culture Shift

Data Democracy
BRINGING DATA TOGETHER WITH TECHNOLOGY

Source Systems

CDW

Cubes

Hadoop

DV

BI

EDW
Leadership Support

Common Dictionary

Technical Enforcement

Processes Assessing Data Integrity
Quick

Agile

Dependable Data

Actionable (Needs Vs. Wants)
Horizontal vs. Vertical

Slow, Slow, Slow…

FAST
Federated
Changing Environment of Healthcare
Systems are Set up to Take Care of the Sick
Intervene Before We Get Sick
Fee For Service to Value Based
POPULATION HEALTH = SHIFT TO VALUE
Chaos

Various definitions
Viewed as a tool
Viewed as a technique
Siloed approaches
Lack of coordination
Lack of outcomes
BUILDING A FOUNDATION
COLLABORATION AS A FOUNDATION

Why Sanford Health is sharing patient data with its academic neighbors

Sioux Falls, S.D.-based Sanford Health hopes to improve its own clinical outcomes by sharing patient data with nearby universities.

Through the Sanford Data Collaborative project, six institutions — including Sanford Research, the health system’s research arm — will receive patient data stripped of personal information. The data, including clinical, financial, operational and quality information, is gathered from patient visits to Sanford’s 45 hospitals and almost 300 clinics.

Each of the six institutions pitched their own research project and will work separately to conduct studies on cancer.
Medical Care to Health Care
AI - Machines Learning From Experience
Questions