

Data – It Shouldn't Be This Hard

Lessons from the Trenches

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Data Blueprint



Health Care Data Management

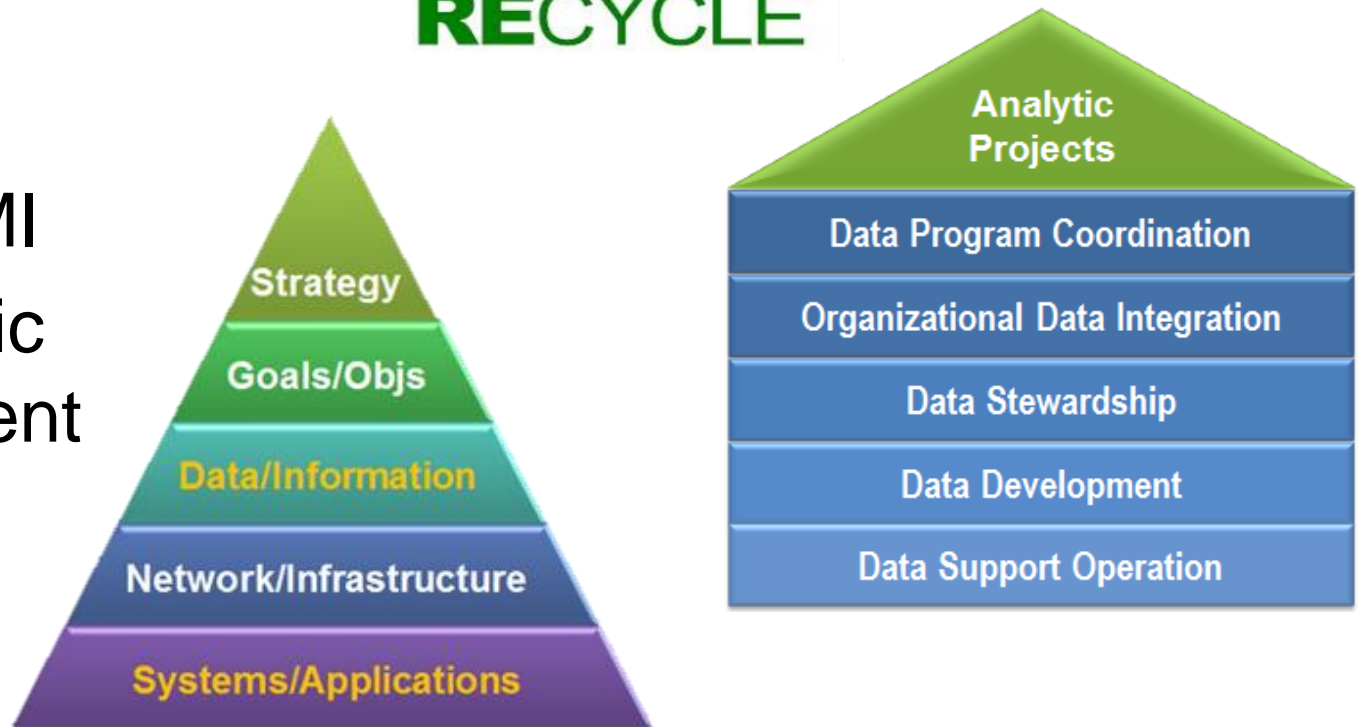
Foundational Strategies

- Data ROT
- DM Practices



Processes

- CMM/CMMI
- Data-centric Development



Analytics in Health Care

Descriptive

Ask: What happened? What is happening?

Find: Structured data

Show: Profiles, Bar/Pie charts, Narrative



- ▶ Organization-wide
- ▶ Volume and Noise
- ▶ Utility

Predictive

Ask: What will happen? Why will it happen?

Find: Structured/unstructured data

Show: Risk Profiles, Pros/Cons, Care Recs

- ▶ Meaningful scoring
- ▶ Actionable recs

Prescriptive

Ask: What should I do? Why should I do it?

Find: Unstructured/structured data

Show: Strategic Goals, Support Recs

- ▶ Realistic goals
- ▶ Support
- ▶ Manage & measure

Achieving Your Goals

Data Analytic Factors

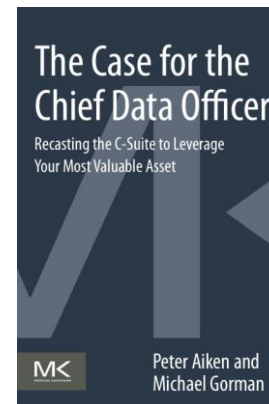
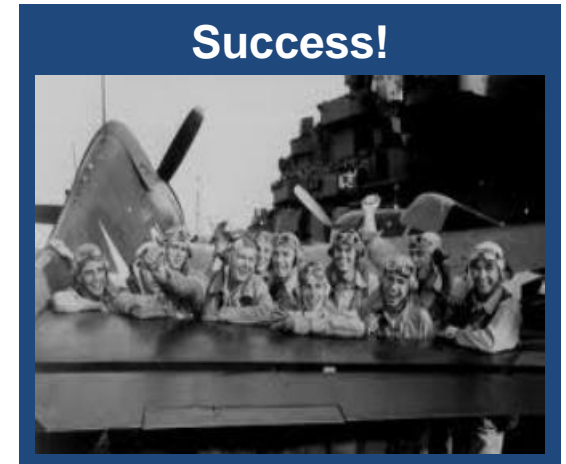
- Implementation Strategies
- Repeatable & Scalable Solutions

Organizational Factors

- Governance Models
- Aligning Data and IT
- Chief Data Officer

Success Factors

- SLOTS
- Last is First



Resources

- DAMA
- eHealth Initiative
- HealthIT.gov
- HIMMS – Analytics
- Healthcare Informatics
- HealthIT.gov
- International Medical Informatics Association
- HHS – Privacy
- ONCHIT
- SHARPS

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