

Community-Based Models for Health Information Exchange to Support Health and Healthcare

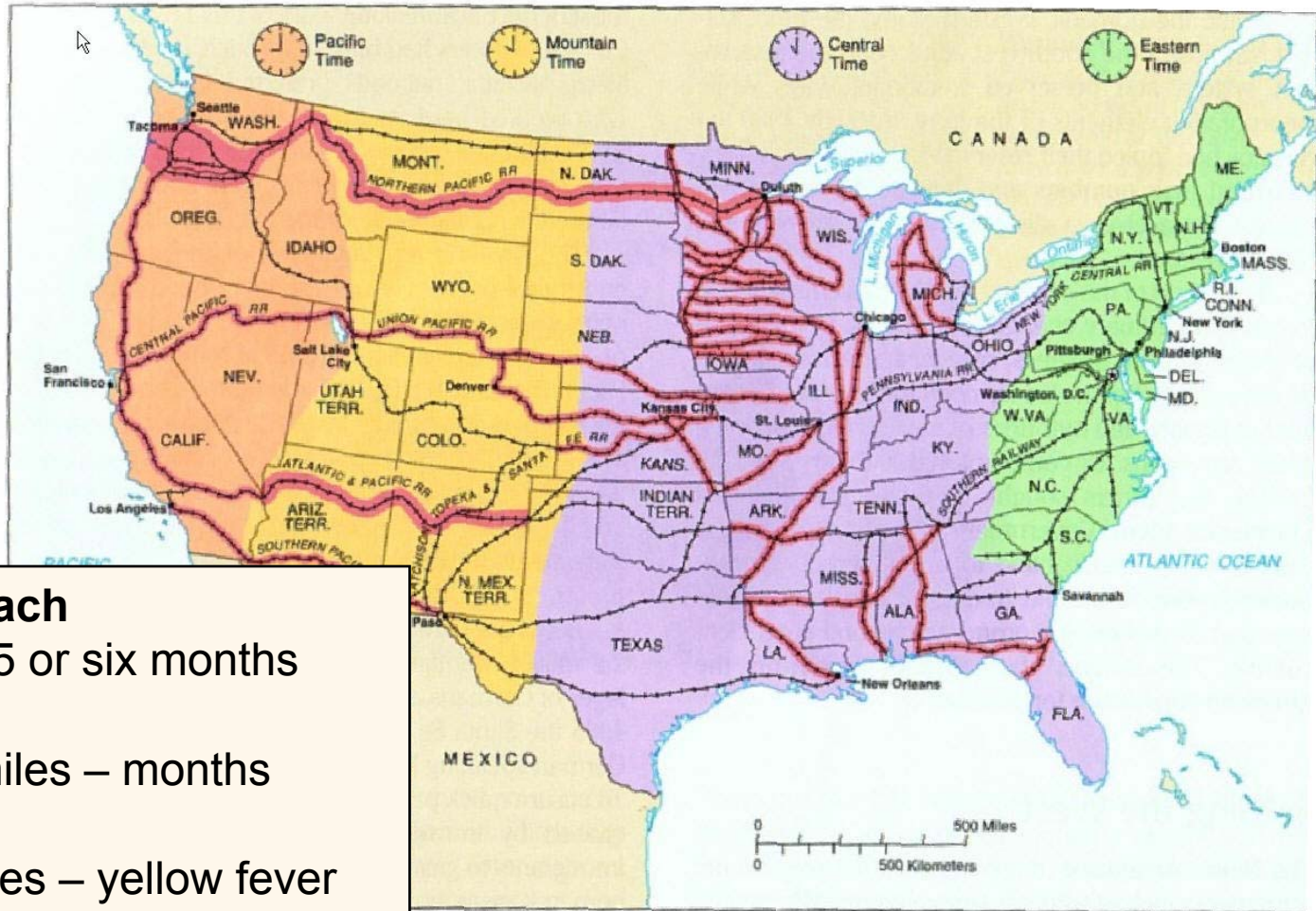


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Volunteer eHealth
Initiative

Recent funding: AHRQ Contract 290-04-0006

This presentation has not been approved by the Agency for Healthcare Research and Quality

Transformational Change is our Heritage



- **Stagecoach**
\$1000 – 5 or six months
- **Sea**
18,000 miles – months
- **Panama**
6,000 miles – yellow fever
- **Train (1870)**
\$150 – 5 days – First Class!!



The Ideal



Volunteer eHealth Initiative

The Reality



Volunteer eHealth Initiative

All of This Simply to Build a Track



Volunteer eHealth Initiative

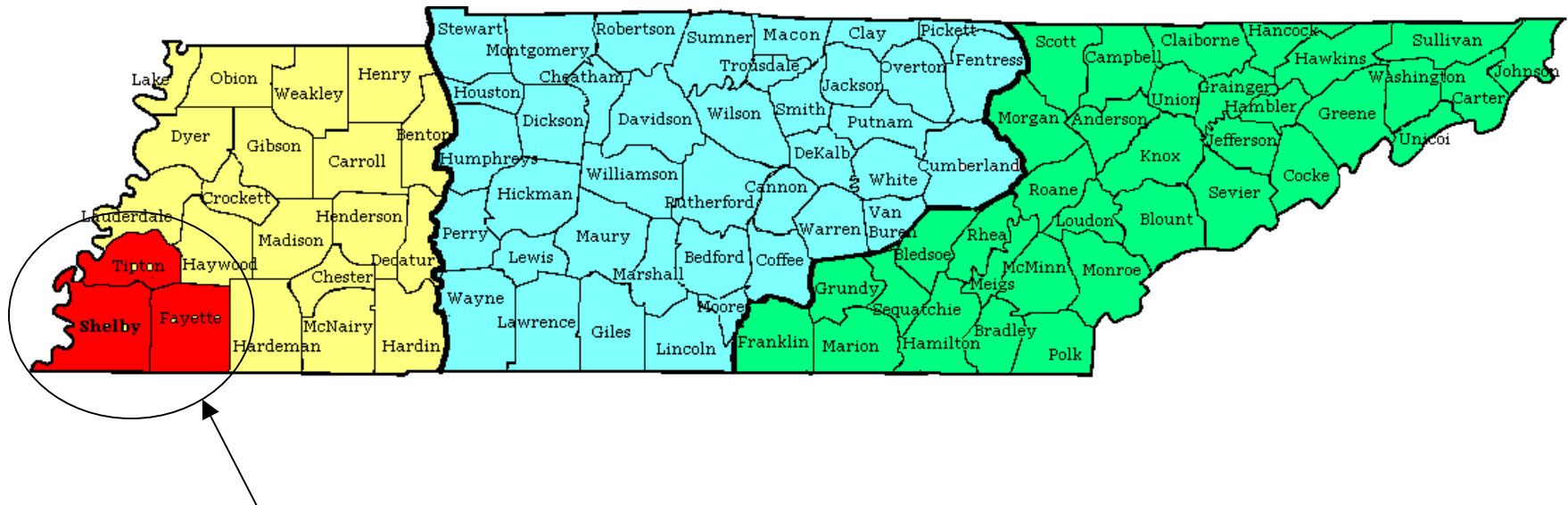
One Track: Tennessee Volunteer eHealth Initiative

Overall goal is to create a system of care that is:

- Patient-family focused
- Clinical, not financial at present
- Longitudinal, not episodic
- Regional, not institutional
- Private, secure, and trusted
- Measurable impact on all stakeholders and on the population health
- Complementary to current efforts
- Do no harm – including minimizing the number of parallel initiatives and meetings
- May extend reach to broader range of practitioners
- Will evolve over time
 - Clinical and financial
 - Self-sustaining, non-for-profit “Regional Health Authority”
 - Setting realistic standards – both in technology and in best medical practices



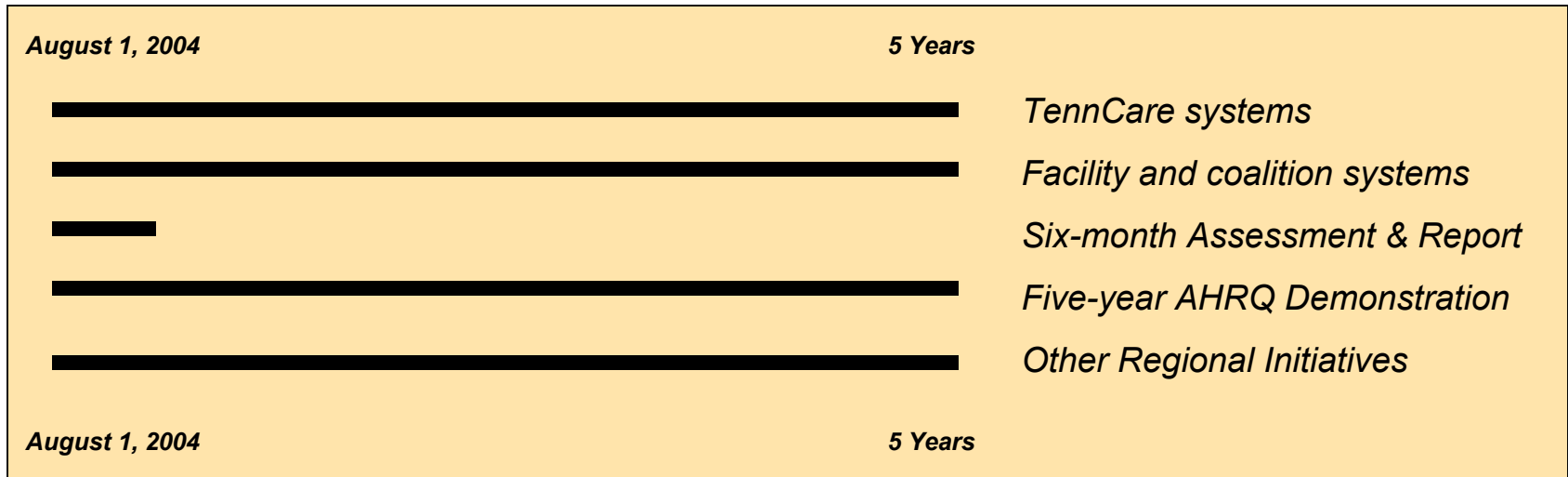
The regional focus will be on the following three counties: Shelby, Fayette and Tipton.



Health care is regional and a significant number of individuals seeking care in Tennessee are residents of one of 8 bordering states



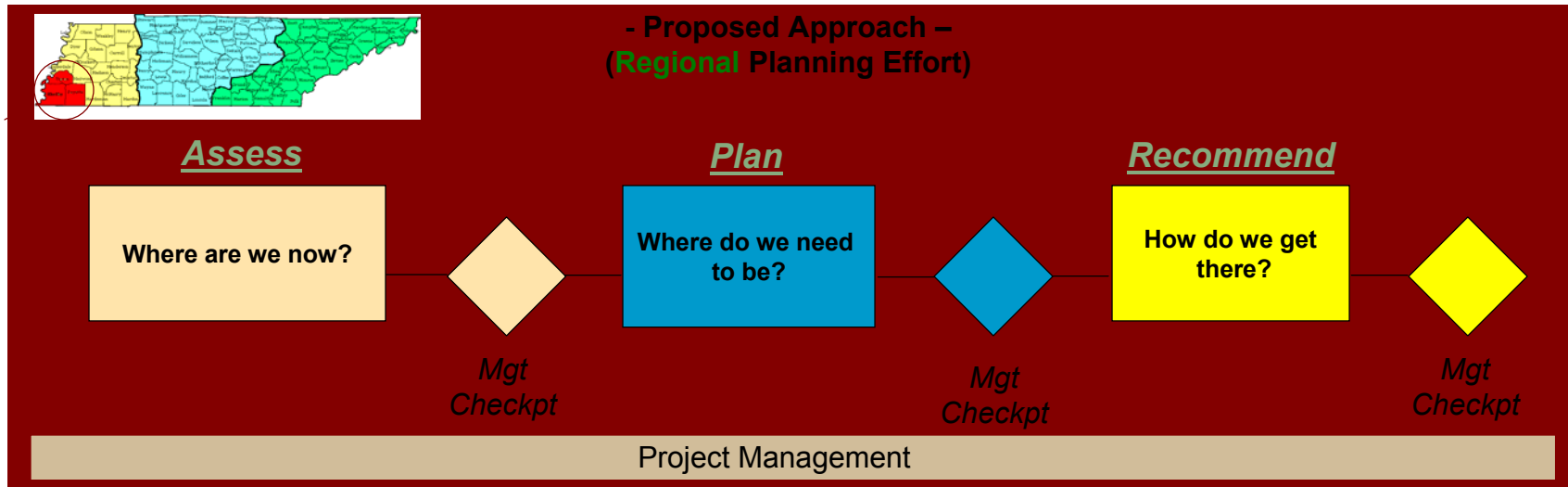
The Context – Five Types of Effort



- Administrative and clinical systems required for addressing TennCare operational issues
- Enhancing the information infrastructure at facilities and coalitions within the State
- Six-month assessment and creation of models for evolving a regional health information infrastructure (through Vanderbilt, in collaboration with Accenture)
- Five-year demonstration pilot in the Three-County Region
- Other regional initiatives



A Three-Phased Approach to Planning



Assessment Deliverables

- Facility Summaries
- Survey Results
- National Best Practices
- Standards
- Assessment Framework
- Regional Breakouts for the State
- List of Potential Obstacles/Barriers
- Project Management toolset
- Governance Model
 - Diagrams
 - Charters
 - Roles and Responsibilities
 - Decision-making flow

Planning Deliverables

- Prioritized set of outcomes
- Future State Model
 - Technology Architecture
 - Impact to processes
 - Impact to organization structure
- Gap analysis (state of readiness)
- Benefit Realization Model
- Identification of programmatic linkages
- Proposed list of core entities and data elements

Recommendation Deliverables

- Workplan for implementation of Volunteer eHealth in SW Tennessee
- Identification of funding alternatives
- Preliminary assessment of other regions
- Key issues / risks related to the implementation of the Volunteer eHealth Initiative



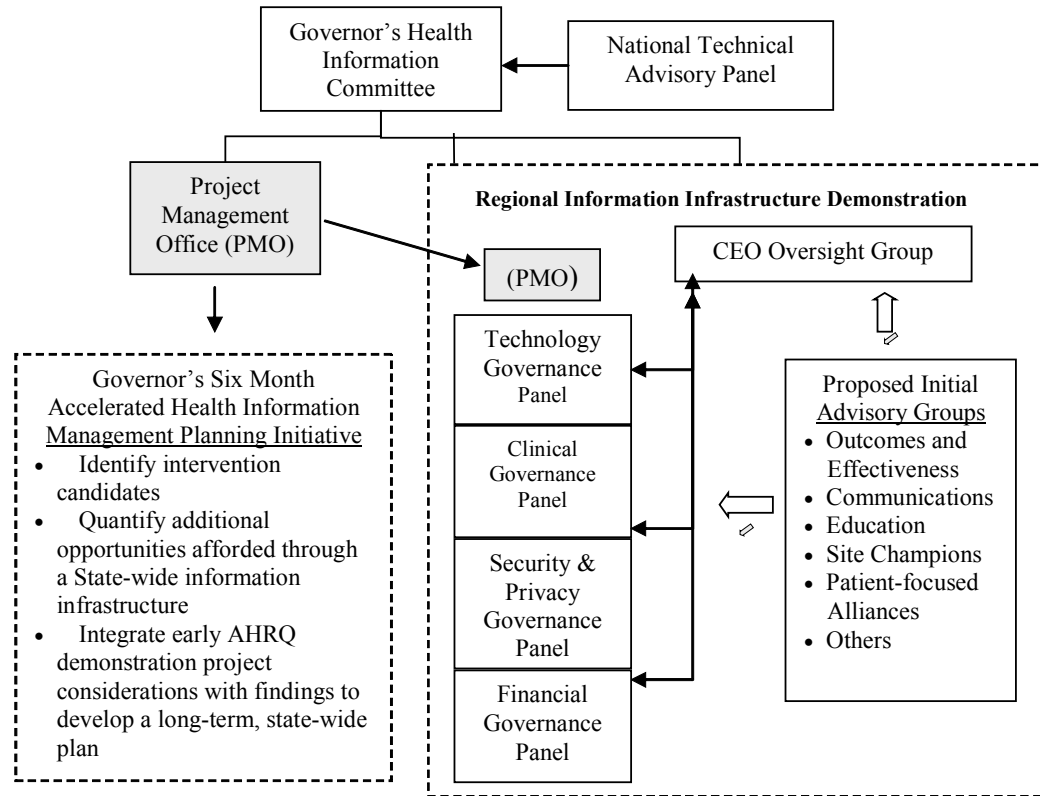
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Initial Assessment Categories

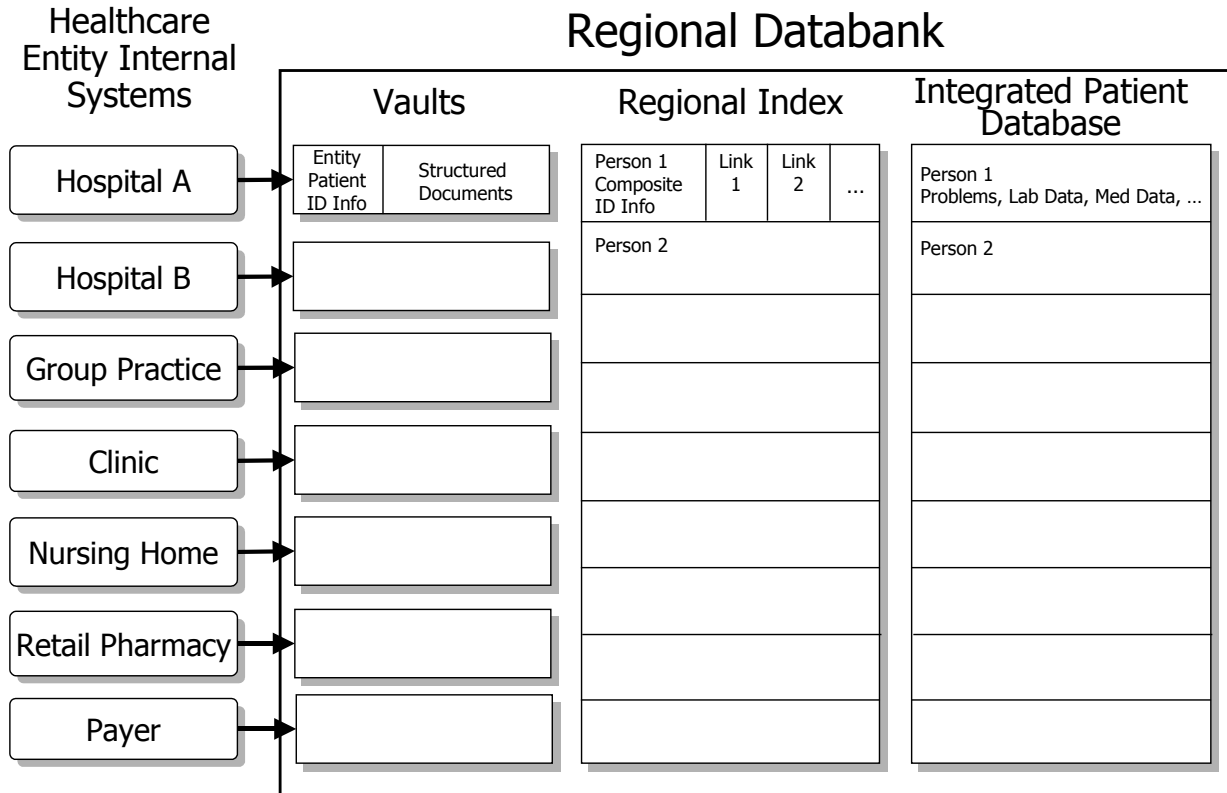
Assessment Category	Definition
Sponsorship	Assess the organization's ability to participate in the Volunteer eHealth Initiative pilot in the Memphis region
Priority & Resources	Identification of key projects and priorities for the organization in the near-term and long-term
Experience	Understanding the organization's experience with large scale and collaborative projects
Technical Infrastructure	Assess the organization's technology systems and architecture in place today and planned for the future (e.g. clinical systems, security, communications)
Affiliations and Networks	Understand the organization's current involvement in any collaborative projects, physician affiliation with the organization, and relationships with area providers (e.g. nursing homes, labs, imaging centers).
Environmental Influences	Understand the Internal and external influences motivating the organization to partake in patient centric projects.



Governance



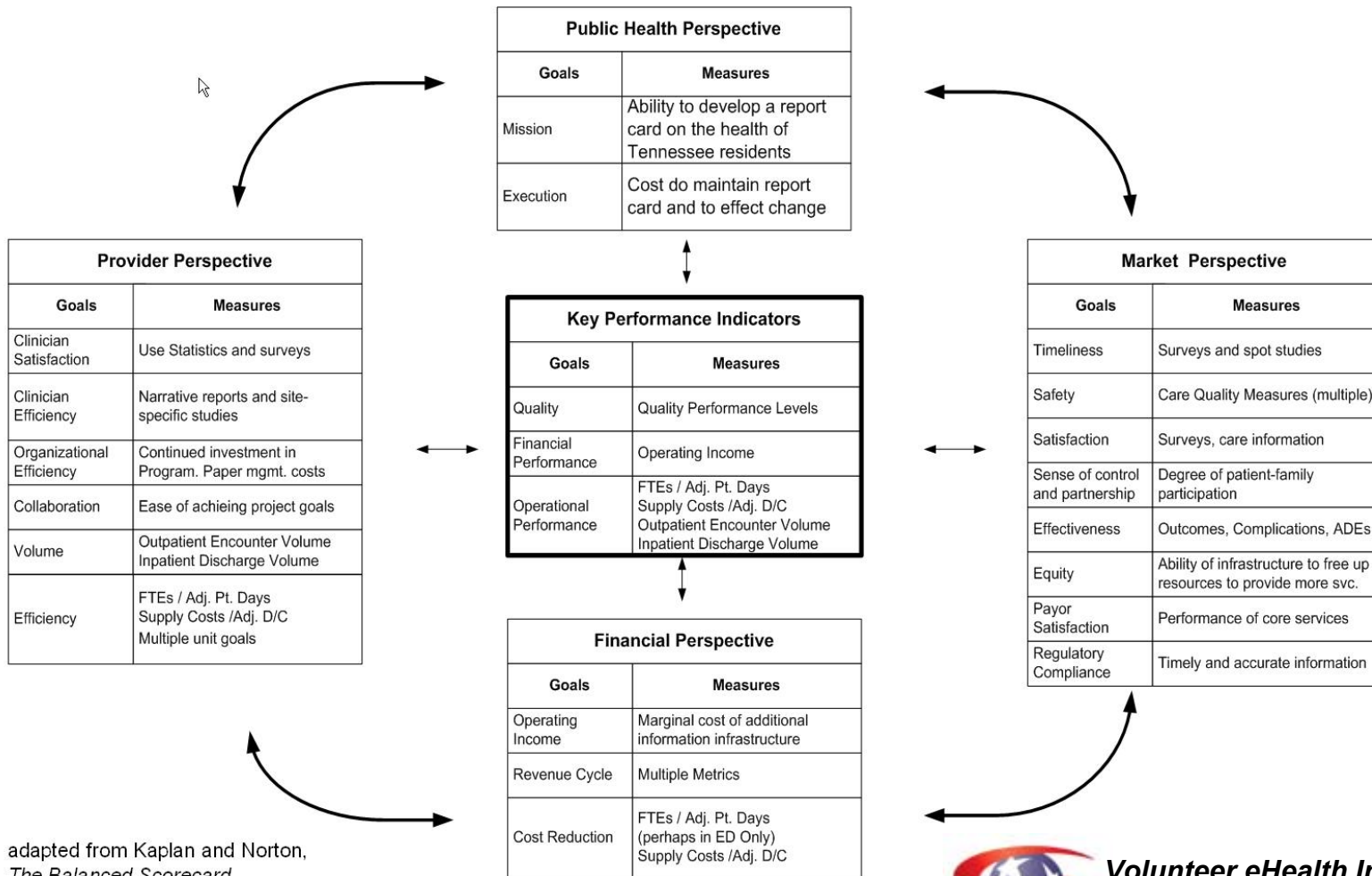
Advanced Regional Databank



Regional Databank Model. Standards have been incorporated into the internal systems of the Healthcare Entities for certain data types. An integrated patient database now sits beside the vaults to merge the data into a patient record supporting full two-way interoperability for those data



Balanced ScoreCard



adapted from Kaplan and Norton,
The Balanced Scorecard



Volunteer eHealth Initiative

Face Offs



- Competing Proposals
 - Carve outs for quick wins
 - Not invented here syndrome
- Practices – Plans/payers
 - Pay for use -> P4P?
- Hospitals – practices
 - How to establish consistent linkages
- Care delivery systems – patients
 - How to establish a comprehensive system?
- All need a single “track” and coordination
 - Data standards, business protocols, protections



Transforming Health Care and Medical Practice

- We are overhauling the engine while speeding down the track
- We have gone from insufficient interest to unconstrained exuberance
- When will this help the medical practice?
- Need more than financial incentives
- Need help in transforming their work flows and lowering their overhead
- Need financing mechanisms to avoid high up-front costs in people and time
- Need “certified” products (and their vendors need a stable environment!)

