From Healthcare to Health

Federal Health Futures Group
Presentation to the
Foresight Roundtable
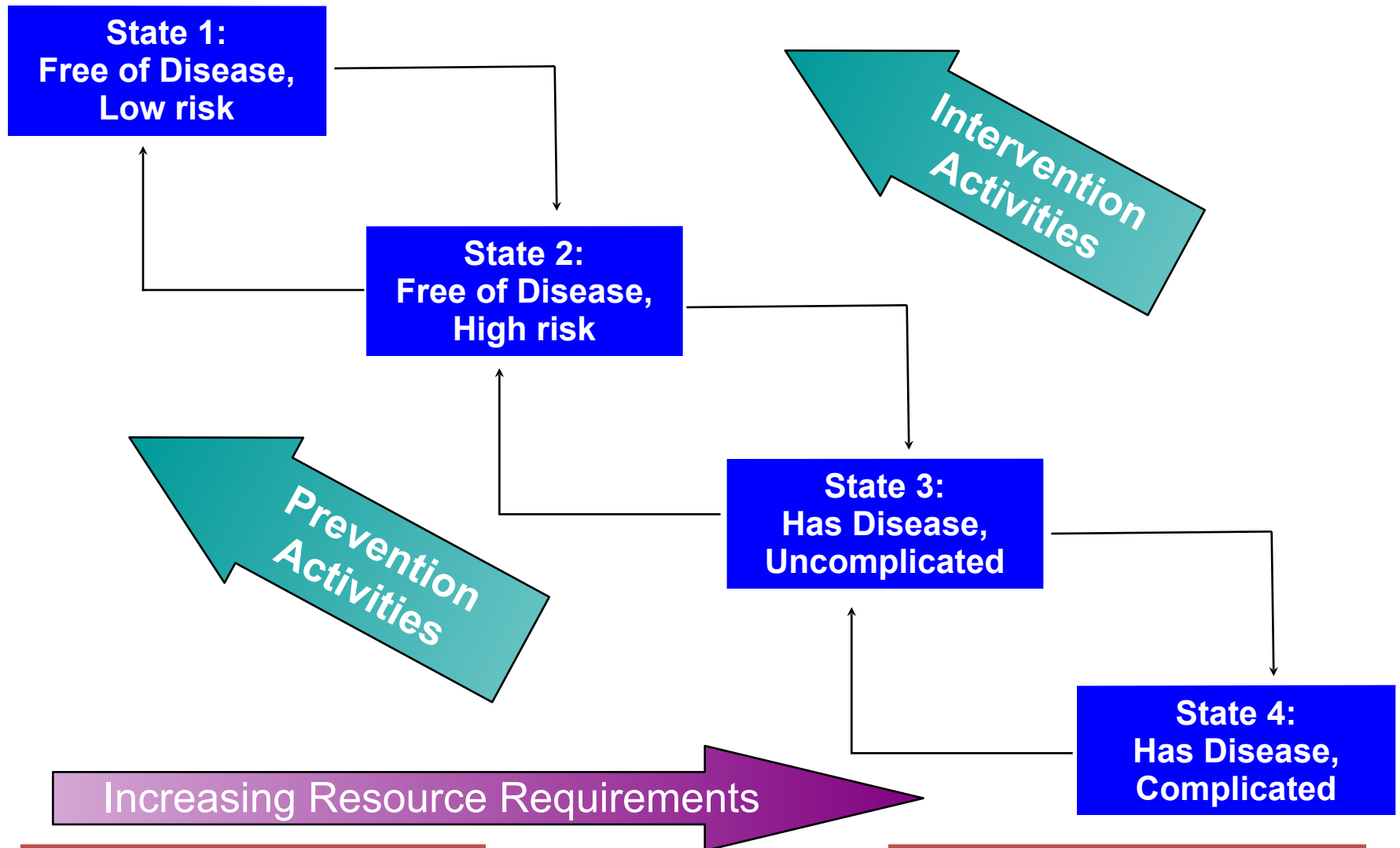
Dr. Ahmed Calvo

Dr. Brian J. Masterson

27 March 2013
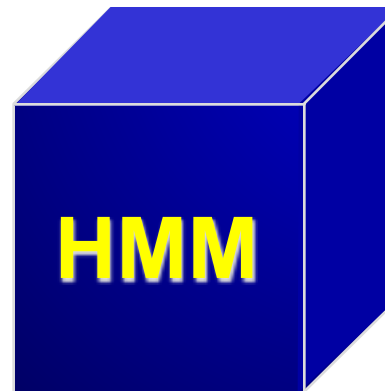
Health Care Management Model

Logic Structure

State 1:
Free of Disease,
Low risk

State 2:
Free of Disease,
High risk

State 3:
Has Disease,
Uncomplicated

State 4:
Has Disease,
Complicated

Intervention Activities

Prevention Activities

Increasing Resource Requirements

Health Care Management Model

Conceptual Structure

Scenario Data

Clinical Data

- Population Data
- Allocation Policy
- Access Barriers
- Resource Capacities

HMM

- **Disease States**

- **Clinical Programs**
  - **Resource Consumption Rates**
  - **Disease State Transition Probabilities**
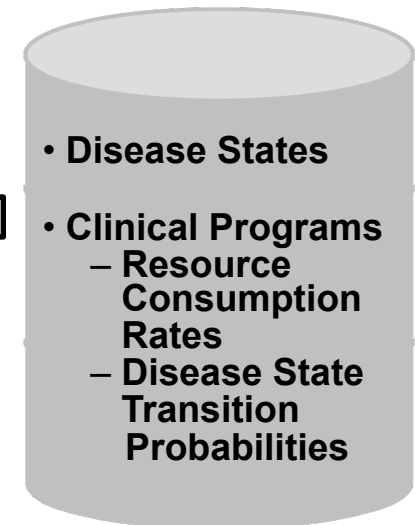
Disease Profile over time
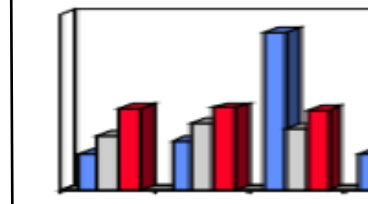
Workload over time
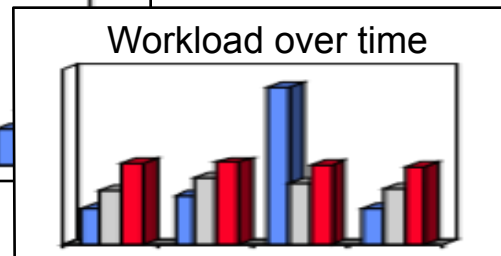
Health Care Management Model

Projected Analytic Results
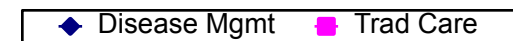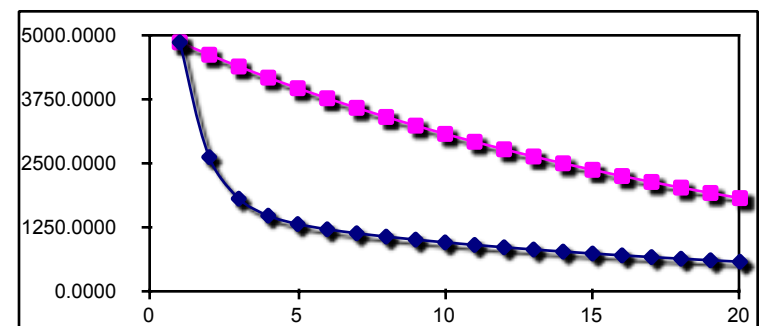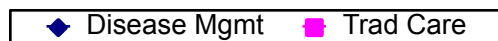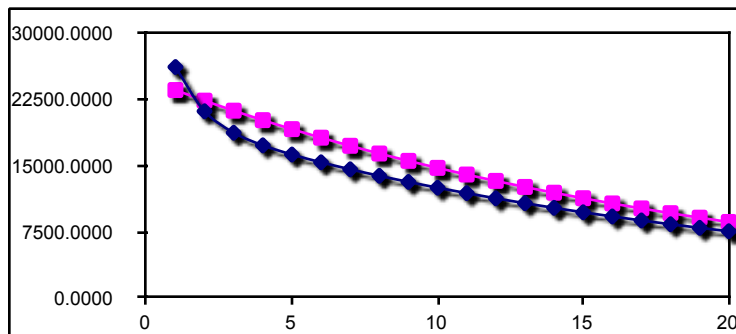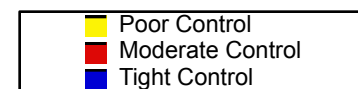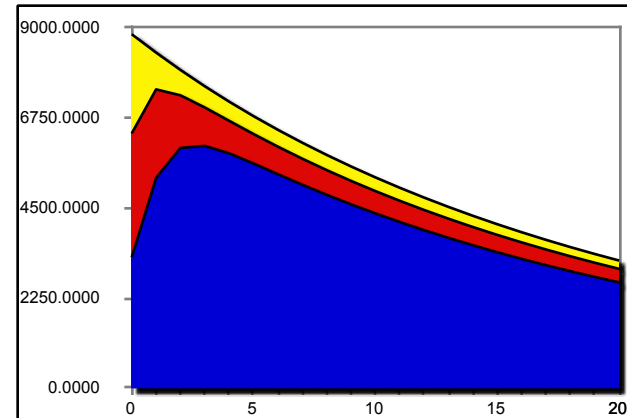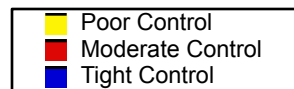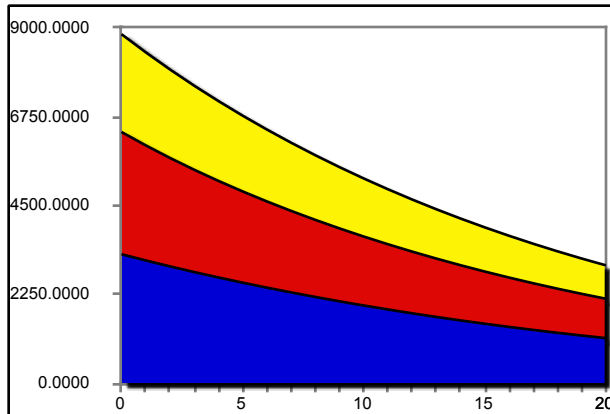
Aspirational Model
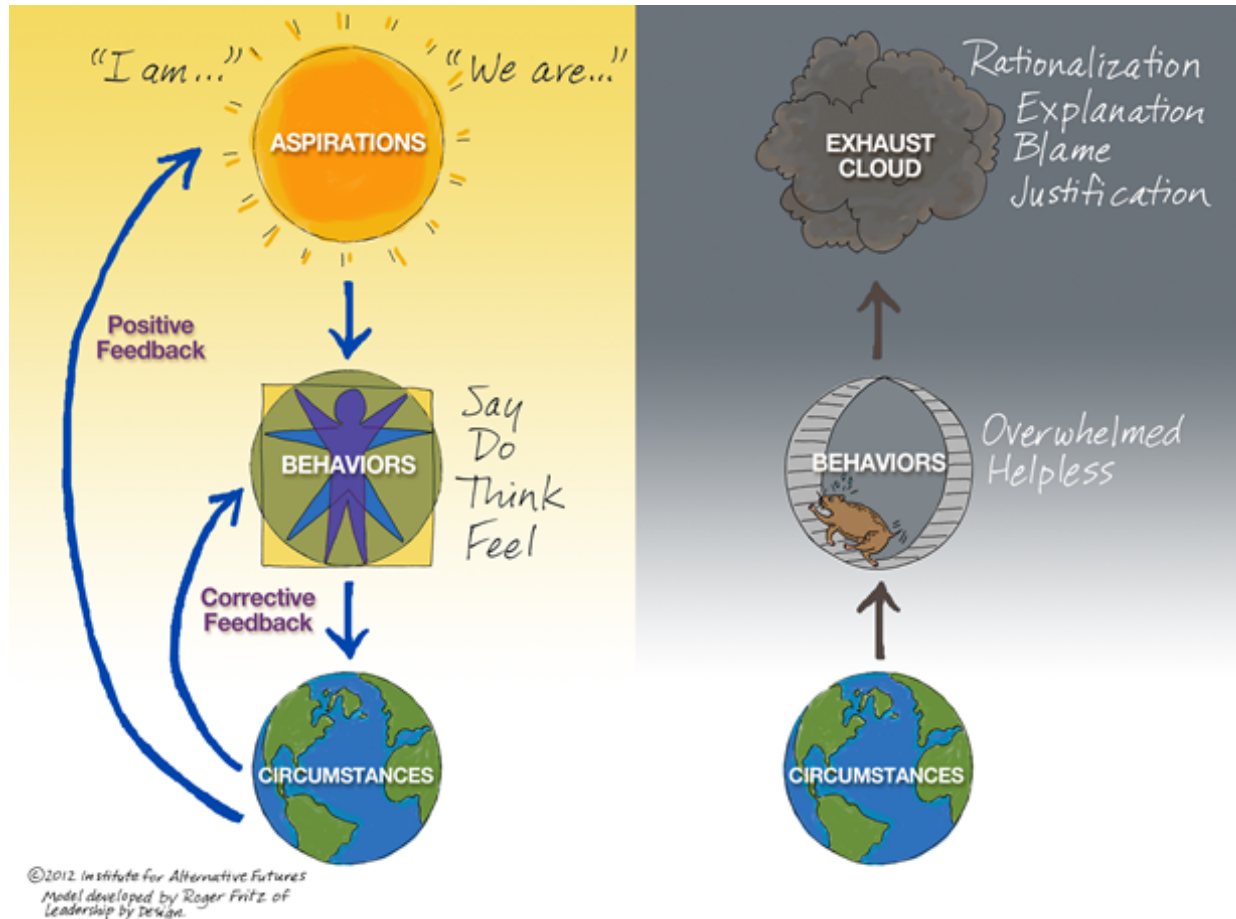
Control your future or be a victim of the future

Futures-Based Agile Thinking

Inspiration Phase – (2010-2011)

- Implemented Scenario-Based Methodology (Alternative Futuring)
- Identified 4 Transformational/Environmental Issues

Ideation Phase – (2011-2012)

- Developed 8 Strategic Themes from 854 Strategic Implications
- Postulated 5 axioms --- Evolved 6 Pathways to the future
- 3 integrative thrusts : leadership development; wisdom; resource stewardship

Implementation – (2012-2013)

- Framework for mapping the present to the future
  - Vector to White House summit on creating wellness
  - Summits as fast-moving pacing events
  - Learning Labs and Focused Meetings
  - Support Team / SMEs

Strategic Themes

- Strategic Themes
  - Strategic Planning and Alliances
  - Healthcare Diplomacy
  - Recruiting and Training
  - Translational Research
  - Disaster Response
  - Information Assurance
  - Patient Centric Healthcare
  - Surveillance, Prevention and Control
  - Meaningful Measures
  - Challenging Ethics

- Backcasting
  - Reach back (2027) to a more definable waypoint
  - Define archetypes for consideration to address themes in 2027

AFMS Vector or String

2015

2027

2035

2045
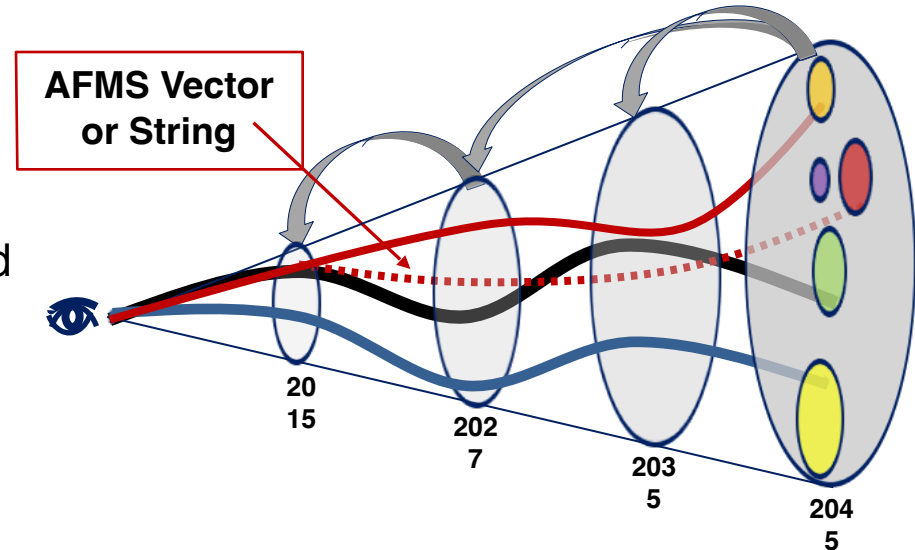
Learn ~ Innovate ~ Forecast ~ Test!
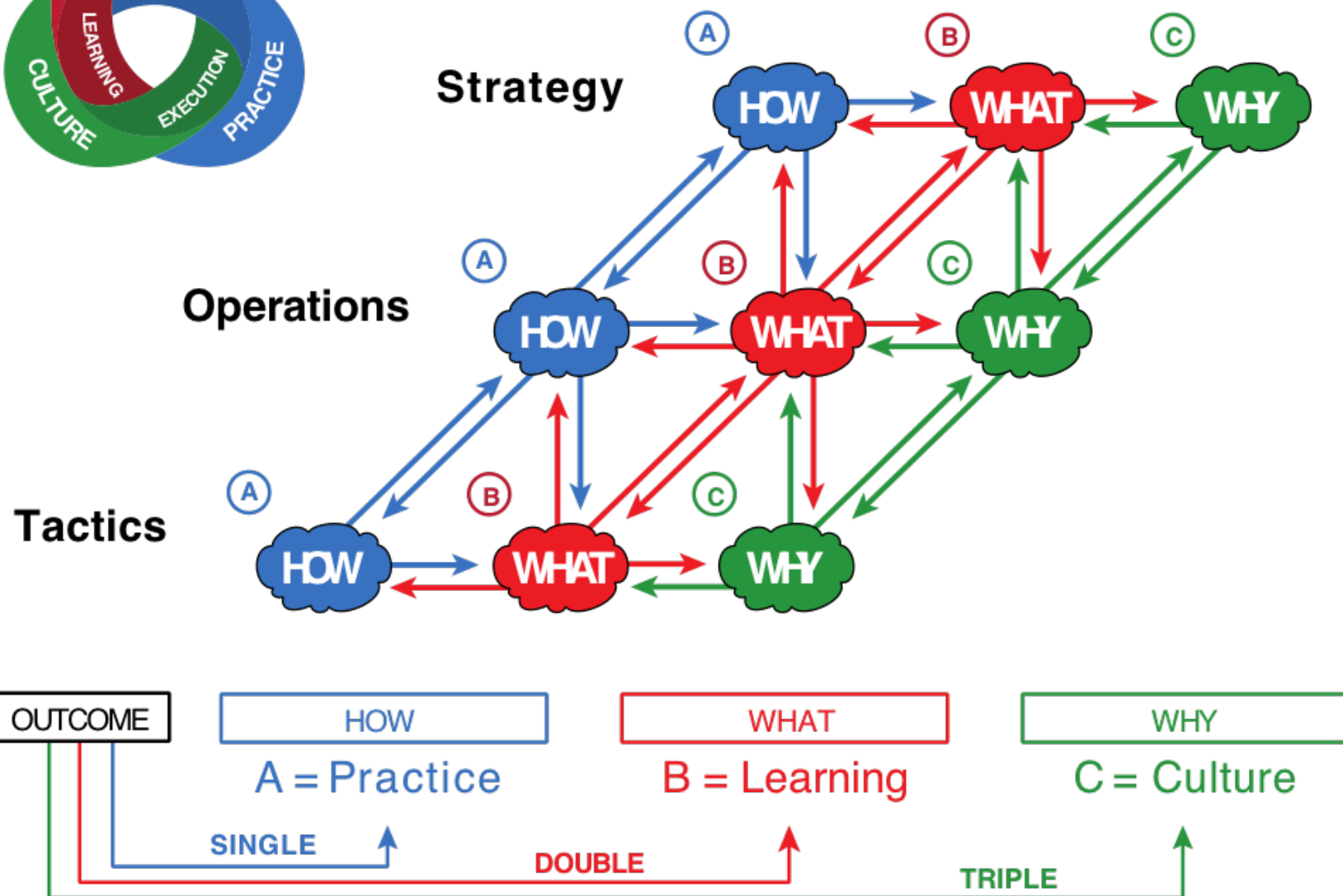
FHF

Ubiquity of Data

Connectivity
social networking standards

Implementation of Organizational Learning

Patient-Clinician Collaboration

3/13

9/13

1/12
Interagency
Collaboration
FHF

Net-centric Leadership → Curriculum
NDM → Medical Chair
Fellowships → Partnerships

1/14
Consilience
Health Conference
White House

Conference on Health

▲ Advanced Infomatics / Analytics
• MAX → MAX Health
• DebateGraph
• GIS

▲ Charter

▲ Methodology-Documentation
• ABC - Execution of Strategy
  Cultural Transformation
• Affiliation to AMSUS
  military medicine
  VA/DOD/HRSA

November
2012-13
(Next 12 Months)

▲ Agenda Development
Workgroup Summits
Focus Groups

▲ Prepare for White House Health Conference

▲ HealthNet Assessment Cell
ONA concept
Net Present Value

▲ Grand Rounds Program
The Innovation of Medicine

Federal Health Strategy Map

HHS National Quality Strategy Domains

1. Patient and Family Engagement
2. Patient Safety
3. Care Coordination
4. Population and Pu...
5. Efficient Use or He...
6. Clinical Processes a...

- Identify common priorities
- Identify common principles
- Outline common objectives

Veterans Health Administration Mission, Vision, Principles and Strategic Plan Goals

VHA Mission
Honor America's Veterans by providing exceptional health care that improves their health and well being.

VHA Vision
VHA will continue to be the be...
benefits by providing exemplary ...
based. This care will be delivere...
environment that supports learnin...
emphasize prevention and popul...
through education, research, and...

VHA Principles
Patient-centered: Prevention/...
Providing Value: Data-driven/...

VHA Goals 2013-2018
1. Provide veterans personali...
2. Achieve measurable impro...
3. Align resources to deliver ...

US PHS Goals

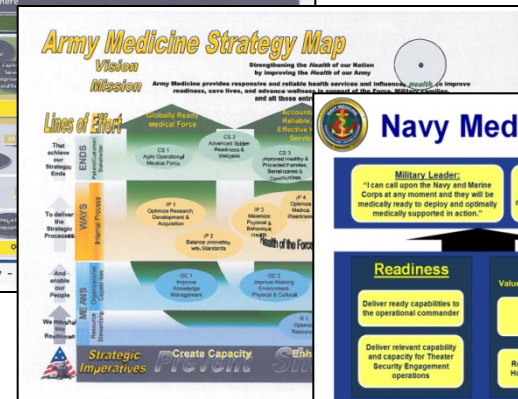|	Relevance	Maximized	Ready	Value-added
	Shared vision drives mission-focus, common perspective, optimized collaboration	Intention towards optimally resourced, trained and integrated Corps	Ensure preparedness focus and articulate duality of mission	Leverage Corps position within and across interagency initiatives to
	Duality of mission; Efficiency of personnel use; Alignment with collective strategies	Most accurate and efficient trainings to ensure required tools; Collaborative trainings	Mobilization Corps aligns interagency efficiencies as mission requirements	
	Expertise is applied to higher-order concepts of health and impacts cross-cutting initiatives	Training and experience is developed in models of meta-analysis and leadership	Expertise and resources for preparedness are broadly focused, addressing a determinants health	

AFMS Strategy Map

U.S. AIR FORCE

MISSION: "Ensure medically fit forces, provide expeditionary medics, and improve the health of all we serve to meet our Nation's needs"

VISION: "Trusted Care, Anywhere"

Integrity -

Army Medicine Strategy Map

Vision
Mission

Lines of Effort

Strategic Imperatives

Navy Medicine Strategy Map

Military Leader: "I can call upon the Navy and Marine Corps at any moment and they will be medically ready to deploy and optimally medically supported in action."	**Warfighter:** "My family and I are in the best possible medical hands while on Active Duty and when I retire."	**U.S. Public:** "Our interests are being well protected by our Navy and Marine Corps and resources are being appropriately utilized to that end."
Readiness	**Value** Value = (Quality X Capability) / Cost	**Jointness**
Deliver ready capabilities to the operational commander	Manage enrollee network cost/recapture care	Leverage joint initiatives to optimize performance of Navy Medicine's mission
Deliver relevant capability and capacity for Theater Security Engagement operations	Realize full benefit from Medical Home Ports and Neighborhoods	Improve Navy Medicine interoperability

Strategic Enabling Objectives
Optimize use of medical informatics, technology and telemedicine
Standardize clinical, non-clinical, and business processes
Improve strategic communications and alignment

World-Class Care...Anytime, Anywhere

Federal Health Strategic Matrix

Leadership	Readiness	Value	Quality
Optimize Healthiness	Agility	Prioritize Investment	Increase Access
Team Effectiveness	Resiliency	Excellence in Execution	Cost Efficiency

Leadership Development

Collaborative Partnership — Federal Collaboration

Knowledge Access	Strengthen Communications	Interagency Initiatives	Standardization
Situational Awareness	Focused Acquisition	Choice/Options	Continuous Care

Wisdom Generation

Research and Development — Innovation, Science, Technology

Accountability	Transform Management	Recapture Care	Facility Renewal
Risk Taking	Strengthen Systems	Manage Cost	Fiscal Stewardship

Resource Stewardship

Education and Training — Health as a Team Sport

Knowledge, Data Management, and Analytics

Humanitarian Response

Bringing the Pieces Together

Value Stream of the WIN Initiative
Human Flourishing

National Quality Strategy

Wellness Initiative for the Nation

National Prevention Strategy

WIN
WELLNESS INITIATIVE FOR THE NATION

↑ Growth

Disparity ↓

↑ Quality

Cost ↓

Grow
Connect
Live
Survive

Pyramid of Prosperity

Environment

Psychological Resilience

Physical Exercise and Sleep

Beneficent Purpose

Optimum Nutrition and Substance Use

Social Integration

Health Care

Core Components

Productivity ↑

Preparedness ↑

Prosperity ↑

← *Value Proposition* →

↓ National Debt

↓ National Medical Bill