



The Journey to Accountable Care:
 Why an integrated approach to population-health?

Elliott Fisher, MD, MPH
 Director, The Dartmouth Institute for Health Policy and Clinical Practice
 John E. Wennberg Distinguished Professor, Geisel School of Medicine

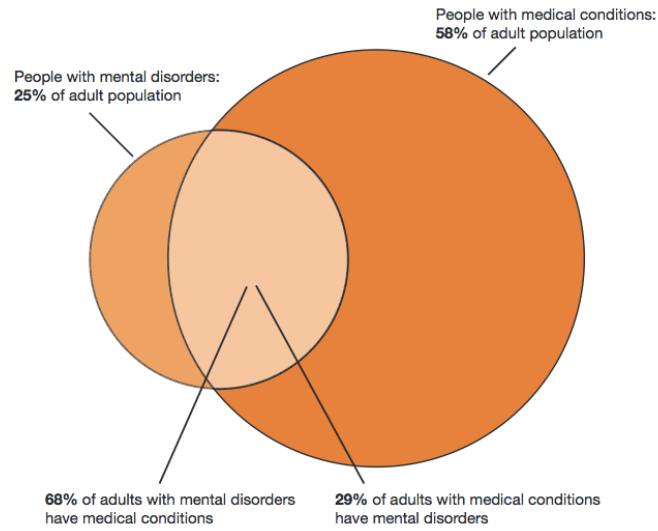


Why the concern?
 Determinants of Health; Contribution of Mental Illness

| Study | Behavior | Social Factors | Environment | Genetics | Medical Care |
|-----------------------------|----------|----------------|-------------|----------|--------------|
| DHHS, 1980 | 50% | | 20% | 20% | 20% |
| McGinnis, 1993 JAMA | 38% | | 3% | | |
| McGinnis, 2002, Health Aff. | 40% | 15% | 5% | 30% | 10% |
| Mokdad, 2004, JAMA | 39% | | 5.4% | | |
| Daniels, 2009 PLOS Medicine | 36% | | | | |
| Brookse, County Health Rank | 30% | 40% | 10% | --- | 20% |

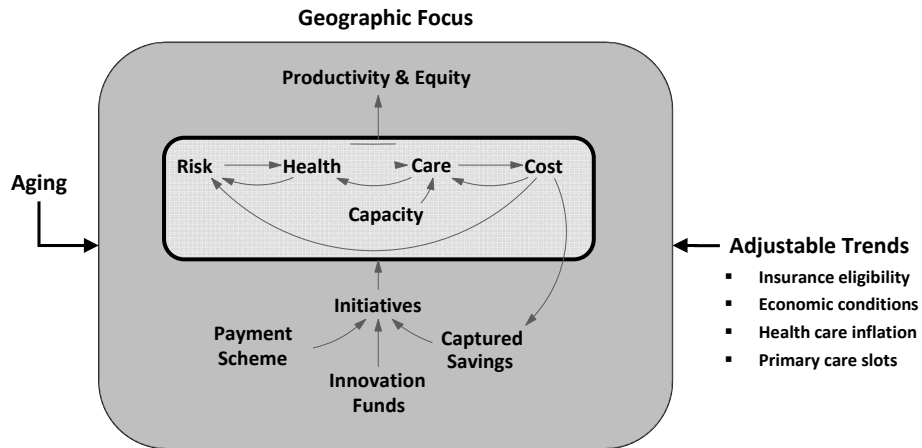
And: Tholts, J Health and Social Behavior, 2010: Stress 25-40%

Why the concern? Contribution of Mental Illness



Druss BG, Mental Disorders and Medical Comorbidity; Robert Wood Johnson Foundation Synthesis Report #21; 2011

The Opportunity Insights from ReThink Health System Dynamics Model



Source: Bobby Millstein, Systems Dynamic Model, ReThink Health

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The Opportunity Insights from ReThink Health System Dynamics Model

ReThink Health - Atlanta

Introduction | Create New Scenario | Results | Select Scenario | Map | About

Select Initiatives... Sliders Set the Reach, Intensity, and Cost for Each Initiative*

- Risk** **Enable Healthier Behaviors** Start: 2012
- Care** **Reduce Crime** Start: 2012
- Capacity** **Reduce Environmental Hazards** Start: 2012
- Cost** **Create Pathways to Advantage Student** Start: 2012
- Trends** **Family** Start: 2012

Buttons: Reset All, Fund Initiatives

Model Version 2a1: 12.26.12

The Opportunity Insights from ReThink Health System Dynamics Model

ReThink Health - Atlanta

Introduction | Create New Scenario | Results | Select Scenario | Map | About

Decide How to Fund Initiatives...

- Establish an Innovation Fund**
How much (millions per year): \$0 to \$500M
How long (years): 0 to 30
- Move to Contingent Global Payments**
What fractions are covered under global payment?
Medicare: 0% | Medicaid: 0% | Commercial: 0%
- Capture & Reinvest a Negotiated Split of Health Care Cost Savings**
How much will be available to the community from...
Benchmarks adjust: Medicare: 50% | Medicaid: 50% | Commercial: 50%
- Share Captured Savings with Providers**
How much will be shared with...
Physicians: 0% | Hospitals: 0%

Buttons: Reset All, Back to Initiatives, Simulate

Model Version 2a1: 12.26.12

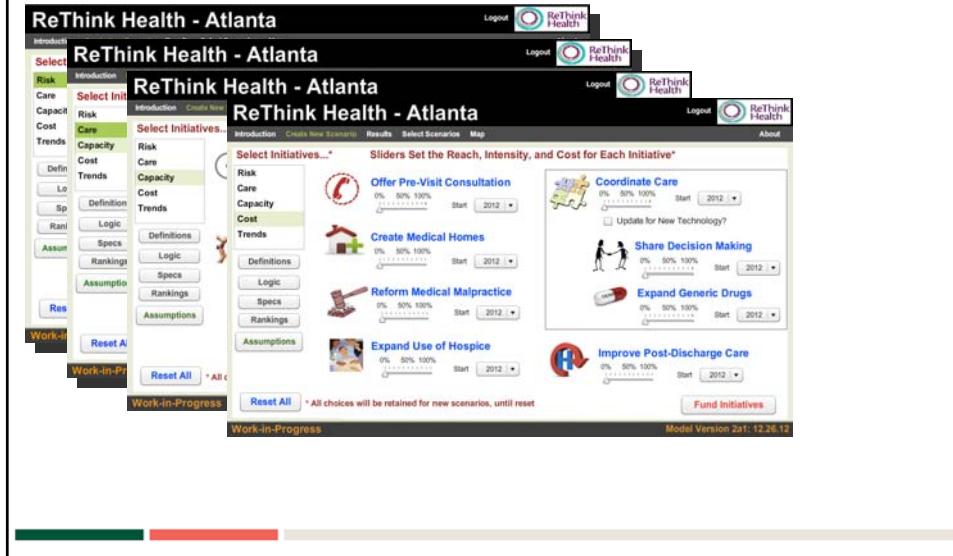
The Opportunity Insights from ReThink Health System Dynamics Model

The screenshot displays the 'ReThink Health - Atlanta' software interface. The main window is titled 'ReThink Health - Atlanta' and features a navigation menu on the left with categories: Risk, Care, Capacity, Cost, Trends, and Definitions. The central area is titled 'Select Initiatives...*' and contains several initiative cards. Each card includes a title, a progress indicator (0%, 50%, 100%), a start year (2012), and a 'Fund Initiatives' button. The visible initiatives are: 'Improve Care for Physical Illness' (with a 'PHYS' icon), 'Support Self-Care' (with a 'Self-Care' icon), 'Improve Care for Mental Illness' (with a 'MNTL' icon), and 'Reduce Hospital-Acquired Infection' (with a 'HAI' icon). A 'Reset All' button is located at the bottom left, and a 'Fund Initiatives' button is at the bottom right. The status bar at the bottom indicates 'Work-in-Progress' and 'Model Version 2a1: 12.28.12'.

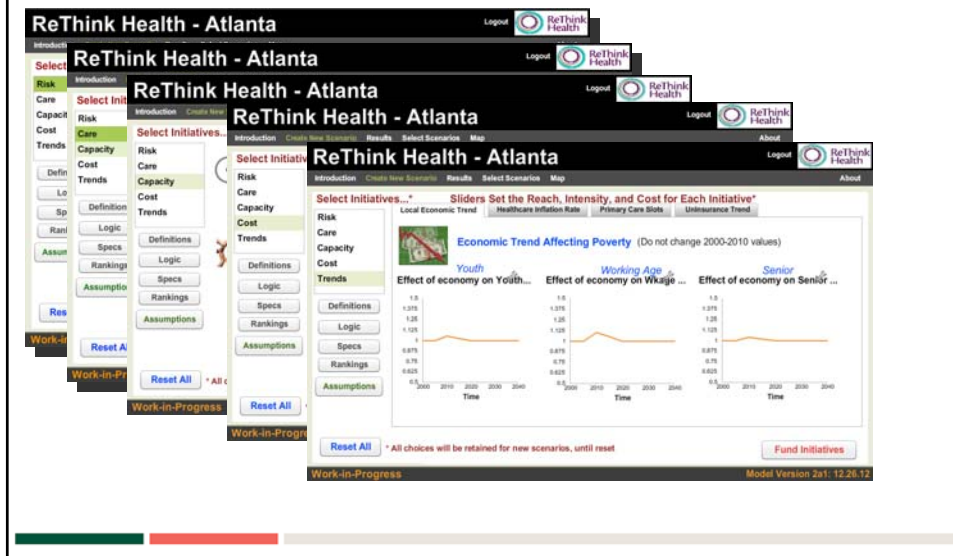
The Opportunity Insights from ReThink Health System Dynamics Model

The screenshot displays the 'ReThink Health - Atlanta' software interface, showing a different set of initiatives. The main window is titled 'ReThink Health - Atlanta' and features a navigation menu on the left with categories: Risk, Care, Capacity, Cost, Trends, and Definitions. The central area is titled 'Select Initiatives...*' and contains several initiative cards. Each card includes a title, a progress indicator (0%, 50%, 100%), a start year (2012), and a 'Fund Initiatives' button. The visible initiatives are: 'Redesign Primary Care for Efficiency' (with a 'PC' icon), 'Recruit Primary Care Providers' (with a 'PC' icon), 'Increase Hospital Efficiency' (with a 'HAI' icon), and 'FQHC' (with a 'FQHC' icon). A 'Reset All' button is located at the bottom left, and a 'Fund Initiatives' button is at the bottom right. The status bar at the bottom indicates 'Work-in-Progress' and 'Model Version 2a1: 12.28.12'.

The Opportunity Insights from ReThink Health System Dynamics Model



The Opportunity Insights from ReThink Health System Dynamics Model



The Opportunity Insights from ReThink Health System Dynamics Model

The image shows a stack of five overlapping screenshots of the ReThink Health - Atlanta software interface. The top-most screenshot is the 'Decide How to Fund Initiatives...' screen. It features several interactive elements:

- Establish an Innovation Fund:** A slider for 'How much (millions per year)' ranging from \$0 to \$30M and 'How long (years)' ranging from 0 to 30.
- Move to Contingent Global Payments:** A section asking 'What fractions are covered under global payment?' with sliders for Medicare (0%), Medicaid (0%), and Commercial (0%).
- Capture & Reinvest a Negotiated Split of Health Care Cost Savings:** A section with checkboxes for 'Capture and Reinvest' and 'Benchmarks adjust', and sliders for Medicare (50%), Medicaid (50%), and Commercial (50%).
- Share Captured Savings with Providers:** A section with a slider for 'How much will be shared with...' ranging from 0% to 100% for Physicians and Hospitals.

Other screenshots in the stack show the 'Select Initiatives' and 'Introduction' screens, which include navigation menus and various configuration options. The interface is consistently branded with the ReThink Health logo and 'Work-in-Progress' status indicators.

The Opportunity Insights from ReThink Health System Dynamics Model

The image shows a screenshot of the ReThink Health - Atlanta software interface, specifically the 'Progress Toward Core Values' summary screen. The screen displays a table of metrics and their percentage changes relative to the baseline at Year 2040. The scenario is 'Healthy Beh, Self Care, PCP Eff, Cord Care, CGP SS'.

| Category | Metric | Value |
|--------------------|--------------------------------|----------|
| Health | Death rate | -22.0% |
| | Severe physical illness | -20.7% |
| | Untreated mental illness | -24.3% |
| Inequity | Disadvantaged group | -8.9% |
| | Disadvantaged deaths | -7.9% |
| Care | Adequacy prev/chron care | 51.3% |
| | PCP sufficiency Medicaid | 0.0% |
| | PCP sufficiency, Disadv-Unins | 25.5% |
| Cost | Nonurgent episodes to ER | -40.9% |
| | Inpatient stays | -27.1% |
| | Readmission rate | -35.6% |
| Spending & Savings | Program spending, at 2040 | \$244M |
| | Program spending, cumul | \$5.50B |
| | Unspent funds, cumul | \$158M |
| Productivity | Net costs, at 2040 | -\$1.68K |
| | Spending vs indicated, at 2040 | 1.00 |
| Productivity | Value of productivity | 6.1% |
| | Workforce care costs, per cap | -18.1% |

At the bottom of the screen, it says 'Work-in-Progress' and 'Model Version 2e: 08.01.13'. A note at the bottom reads 'Click variable name to see graph over time'.