

A Sustainable Financial Model for Improving Population Health

NNPHI: Leading Change Through Innovative Solutions May 20, 2014

Jim Hester



CHAOS – Where Brilliant Dreams Are Born[~] – I CHING IMAGE[~], image #3 Before the beginning of great brilliance, there must be Chaos. Before a brilliant person begins something great, they must look foolish to the crowd.

What's the Problem?

- Example: St. Albans VT presentation to SIM population health workgroup 5/13/14
- Broad based community coalition led by Northwestern Medical Center
- Clear understanding of determinants of health
- Data driven needs assessment
- Clear measureable goals



Source: U. of Wisc. Population Health Institute, 2012

Focusing Our Efforts

- The Committee used Results Based Accountability (RBA), data, and evidence-based practice to identify key outcomes:
 - Increase the overall health of residents by decreasing the percentage of overweight and obese individuals;
 - Expand resources for biking and walking;
 - Increase the number of employers offering a wellness program in which greater than 50% of the employees participate.
- The Committee has done research on evidence-based best practices to guide our strategy.



The Dream: A Solution That

Implements multiple interventions with widely varying timeframes and options for funding

Manages the process over extended period of time

Provides a transition to sustainable funding from short term start up grants

Theme

- The health care system is transitioning from payment rewarding volume to value based on the Triple Aim
- This could enable more sustainable funding for improvements in population health by tapping both payment streams and new sources of capital.
- A sustainable model will include a community health system integrator and a balanced portfolio of interventions financed by diverse funding vehicles
- However, key building blocks are missing and need to be developed rapidly before the window of opportunity closes



Outline

 Integrating population health into delivery system reform

- Improving health: theory of action
- Components of a sustainable model
 - Community Integrator
 - Building and managing a portfolio
- Case Study: Vermont
- Seizing the opportunity

I. Integrating Population Heath into Delivery System Payment Reform

Strategy
Status
Challenges

Why Delivery System Reform?

Goal:	Access to affordable, quality health care for all
Issue:	Performance of existing system results in unsustainable costs
Approach:	Transformation of the current system to achieve and reward the Triple Aim outcomes

New aligned payment model is a necessary but not sufficient condition for transformation

US Health Care Delivery System Evolution

Health Delivery System Transformation Critical Path



Window of Opportunity: Integrating Financing of Population Health into Delivery System Reform

11

Measures of Success

- Better health care:Improving patients' experience of care within the Institute
of Medicine's 6 domains of quality: Safety, Effectiveness,
Patient-Centeredness, Timeliness, Efficiency, and Equity.Better health:Keeping patients well so they can do what they want to
do. Increasing the overall health of populations: address
behavioral risk factors and focus on preventive care.
- Lower costs throughLowering the total cost of care while improving quality,Improvement:resulting in reduced expenditures for Medicare, Medicaid,
and CHIP beneficiaries.

Delivery Transformation Continuum



Tools to Empower Learning and Redesign: Data Sharing, Learning Networks, RECs, PCORI, Aligned Quality Standards

State Innovation Models

6 testing states and 19 design states

State Health Care Innovation Plans: refers to a document that describes a broad array of transformative strategies with the focus on:

- 1. Comprehensive delivery system redesign and payment reform.
- 2. Strategies to integrate community- based healthy living interventions that improve population health.
- 3. Transformation of the health care payment model to reward for continuous improvement and value based health outcomes containing the total cost of care.

Providers Are Driving Transformation

- More than 50,000 providers are providing care to beneficiaries as part of the Innovation Center's current initiatives
- 488 ACO's: doubled in last year (253 Medicare ACOs)
- More than 5 million Medicare FFS beneficiaries are receiving care from ACOs
- More than 1 million Medicare FFS beneficiaries are participating in primary care initiatives

Status: Growing Opportunity

- Broad diffusion of language supporting better health for populations
- New payment models being tested at scale
- Signs of payers aligning in initial regional markets, e.g., Comprehensive Primary Care Initiative
- BUT, delivery system evolution lags rhetoric, with broad distribution across Halfon's scale
 - A very few exploring path to 3.0

Challenges for Population Health Financial Models

- Other dimensions of value have a long history in payment models
 - Interventions better understood
 - Measures and instruments developed
 - Accountability more clear cut
- Tasks of transforming to managing total cost and patient experience are all consuming
- Population health business case is complex and involves impacts from multiple sectors over extended times
- Confusion between quality of care and population health

Threats

Payment models for population health in early stage

- Population health traditionally funded by grants
- Infrastructure and tools for population health are not well developed.
 - Analytic models for projecting long term impacts
 - Evidence for business case fundamentally different from impact on risk factors (CMS vs. CDC)
 - Robust measures for learning, accountability and payment
- Risk: new payment models will be established with no meaningful population health component

II. Improving Population Health

Determinants of health modelStrategy

Definitions

- Public health refers to programs and infrastructure, i.e., the means
- Population health refers to the outcome of improved longevity and quality of life

Population health is the health outcomes of a group of individuals, including the distribution of such outcomes within the group... It is understood that population health outcomes are the product of multiple determinants of health, including medical care, public health, genetics, behaviors, social factors and environmental factors.

IOM Roundtable on Improving Health 2013

Population Health



Theory of Action

- Multiple levels of action: practice, community, region/state, federal
- Integration at community level of clinical services, public health programs and community based interventions
- Balanced portfolio of interventions with
 - full spectrum of time horizons
 - different degrees of evidence (critical to include tests of innovations)



Theory of Action (cont.)

- > Address need for both operating revenue stream and capital for infrastructure development
- > Multi-sector investments and benefits
- Capture portion of savings/benefits for reinvestment for initial sustainability
- > Tap into innovative sources of capital

III. Key Components of Sustainable Financial Model

 Overview of growing inventory of innovative financing vehicles

 Building a balanced portfolio of interventions

 Community level structure: Community Health System

Inventory of Financing Models

Payment for clinical services- (2.0 based)

- Global Budget/Capitation
- Shared savings
- PMPM care coordination fee modified by performance
- > Multi-sector programs
- > Other funding sources

Inventory of Financing Models

> Multi-sector programs

- Blended: comingled
- Braided: coordinated targeting
- Medicaid/Medicare waiver:
 - TX 1115 for social determinants of health
 - MD global hospital budget

Inventory of Financing Models

Other funding sources

- Hospital community benefit
- Community development, e.g., CDFI
- Social capital, e.g., social impact bonds
- Foundations: Program Related Investments (PRI)
- Prevention/wellness trusts

Issue: fragmentation, lack of coordination IOM Roundtable on Pop Health 2/2014

Model: Charitable Hospital Community Benefit

- Payment mechanism: how does it work
 - 3000 tax exempt hospitals/systems must file an annual report (schedule H) of their "community benefit" with IRS.
 - \$15-20B federal/state/local tax exemption benefits
 - Heavy accounting for ER-based charity care/Medicaid losses
- Time frame: Annual –linked at IRS reporting on community health needs assessment
- Risk profile: Low/Medium
- Status: As ACA coverage for current uninsured increases, charity care should decrease, freeing resources for non-clinical investments
- Examples/Resources:
 - Cincinnati Children's Hospital Community Health Initiative (CHI): Asthma Readmissions/Housing Policy ++
 - Catholic Health Association (900 Hospitals)
 www.chausa.org/communitybenefit

Model: Community Development Financing (CDFI)

- Payment mechanism: how does it work?
 - Tied to banks' Community Reinvestment Act compliance
 - Helps structure subsidized financing to community development corporations and other investors for projects in low income areas
 - Heavy emphasis on affordable housing, but moving to support development of community health centers, grocery stores, and other "upstream" areas
- Time frame: Longer term (10-30 years)
- Risk profile: CDFI functions to reduce financial risk for projects
- Status: ~1,000 nationwide, weighted toward urban areas
- Example(s) and resources:
 - The Reinvestment Fund: Pennsylvania Fresh Food Financing Initiative
 - New Jersey Community Capital (NJCC): construction of child care facilities

Model: Pay for Success or Social Impact Bond

- Payment mechanism: how does it work?
 - Publicly financed program identified with known interventions and proven returns. Capital needed to scale intervention Create investment model for returns based on performance metrics an private investors deliver capital.
- Time frame: Short term (1-3 years)
- Risk profile: Moderate (with experience). Needs risk mitigation and high financial returns to attract capital.
- Status: Started in UK... implemented in social sector. Some uptake in USA in social sector/early in health
- Example(s) and resources:
 - Health Impact Bond (Fresno), asthma—Collective Health LLC/The California Endowment, MediCal program
 - Rikers Island/NYC: recidivism Goldman Sachs/Bloomberg Foundation
 - Utah: early childhood education: Pritzker/Goldman Sachs/United Way

Building a Balanced Portfolio

No silver bullet – need to

> Build case and close on specific transactions

Balance portfolio in terms of

- Spectrum of time horizons for impacts
- Level of evidence/risk: test innovative interventions
- Scale

Aggregate and align revenue streams and capital

Manage and leverage private and public investment to achieve greater impact

Intervention	Target population	Implementation partners	Financing vehicle	Time frame	Risk/evidence	Savings sharing vehicle
Intensive care coordination	Dual eligible high utilizers	Accountable care organizations	Shared savings	Short	Low risk	Community benefit
Integrated housing– based services	Medicaid eligible, multiple chronic illness	Medicaid managed care plan, housing corporation	Capitation	Short	Low risk	Performance contract
Innovative use of remote monitoring	Medicare eligible, multiple chronic illness	Medicare Advantage Plan, private foundation	Grant	Short	High risk	None
YMCA diabetes prevention program	Commercial insured and self insured	Commercial health plan, self- insured employers	Shared savings	Medium	Medium	Performance contact
Expand early childhood education	Reduce adverse childhood events	Preschool educators	Pay for Success, Social Impact Bonds	Long	Medium	Investing in Social Impact Bond
Community walking trails	Community	Nonprofit hospital	Community benefit	Long	Medium	

TABLE 1 Sample Balanced Portfolio for Community Health System

Source: Hester, J.A. and P.V. Stange. 2014. *A sustainable financial model for community health systems*. Discussion Paper, Institute of Medicine, Washington, DC. http://www.iom.edu/Global/Perspectives/2014/SustainableFinancialModel.

Community Level Structure: Community Health System

Building a Community Health System

'Every system is perfectly designed to obtain the results it achieves.'

Approach

- System redesign at multiple levels
 - Primary care practice level: Enhanced medical homes
 - Community health system: 'neighborhood' for medical home
 - State/regional infrastructure and support e.g. Health IT, multi-payer payment reform
 - National: Medicare participation
- Start in pilot communities

Structure of an CHS

The CHS is made up of

- Backbone organization for governance structure and key functions
- Intervention partners to implement specific short, intermediate, and long term health-related interventions
- Financing partners who engage in specific transactions

Key Functions of a CHS

A community centered entity responsible for improving the health of a defined population in a geographic area by integrating clinical services, public health and community services

Convene diverse stakeholders and create common vision

Conduct a community health needs assessment and prioritize needs

Build and manage portfolio of interventions

Monitor outcomes and implement rapid cycle improvements

Support transition to value based payment and global budgets

Facilitate coordinated network of community based services
CHS: Enhanced Financial Role

- Oversees the implementation of a balanced portfolio of programs
- Uses a diverse set of financing vehicles to make community-wide investments in multiple sectors
 - Builds business case for each transaction specific to population and implementation partner: ~ bond issue
- Contracts with Intervention partners for short, intermediate, and long term health-related interventions
- Measures the "savings" in the health care and non-health sectors and captures a portion of these savings for reinvestment
- Supports transition to value based payment
 - Potential vehicle for global payments for integrated bundle of medical and social services

Backbone Organization's Aggregation and Alignment of Investments and Reinvestments



Partial Examples

- > Akron, Ohio (Accountable Care Community)
- Minnesota (Accountable Health Community)
 - Hennepin Health: Hennepin County
 - SIMs testing award
- ReThink Health communities
 - Atlanta: ARCHI
 - Upper Connecticut River Valley
 - Pueblo, Colorado

IV. Case Study: Vermont

600,000 total population

13 Hospital Service Areas define 'community systems'

Payers: 3 major commercial + 2 public

History of collaboration: bipartisan and multistakeholder



Vermont's Reform Strategy

- 1. Coverage expansion (Green Mountain Care 2007): reduction in uninsured to 8%
- 2. Health IT Fund for HIE and EMR (2008) as catalyst for improved performance
- 3. Green Mountain Care Board (2010): consolidate state powers
- 4. Move toward single payer 2017
- 5. State Innovation Model implementation grant
- 6. Delivery system reforms spread statewide
 - Blueprint for Health: Chronic illness prevention and care
 - ACO: Statewide (OneCare), ~ 50% of residents 41

Blueprint for Health: Building a Primary Care Foundation

- Advanced Primary Care Practices (PCMHs)
- Community Health Teams Core & Extended
- Multi-Insurer Payment Reforms
- Health Information Infrastructure
 - Central Clinical Registry
 - Health Information Exchange
 - Evaluation & Reporting

Community Self-Management Programs



Department of Vermont Health Access



Smart choices. Powerful tools.

Patient Centered Medical Homes # NCQA Recognized Practices in Vermont



Vermont SIM Grant

Population Health Workgroup

Charge: resource for the other working groups: payment models, performance reporting, service coordination

- ways to incorporate population health principles
- how to contribute toward improving the health of Vermonters

Priorities:

- Measures of population health eg ACO payment and monitoring
- Test innovative financing options for paying for population health and prevention
- Identify and support exemplars of effective community-focused interventions such as St Albans RISE and Rethink Health of the Upper Valley.

"Healthy people, healthy communities."

We will be an exceptional place for individuals and families to live, play and work; a region where we individually and collectively recognize and act on our right and responsibility to shape our own health and health care system. To support this vision, we will develop a sustainable, integrated community-centered health, healthcare and human services system that makes the Upper Connecticut River Valley a region with:

- (a) the healthiest population;
- (b) timely access to what is needed to be healthy;
- (c) the highest quality, lowest cost health care possible;
- (d) a vibrant, innovative economy; and
- (e) a population engaged in shaping our own health system.

Provider-Overview Vital Communities Service Area

Gifford Medical Center Randolph CAH - 25 Beds Incl. Integrated Nursing Home (Menig)

VA Medical Center White River Jct./Hartford Veteran's Hospital - 74 Beds

Mt. Ascutney Hospital & Health Center Windsor CAH - 25 Beds Incl. Integrated Inpatient Rehabilitation

Springfield Hospital Springfield CAH - 25 Beds Incl. 7 Integrated Federally Qualified Health Centers

- Academic Medical Center
- Critical Access Hospital
- Veteran's Hospital





Dartmouth-Hitchcock Medical Center Lebanon AMC (PPS)- 396 Beds Incl. Integrated Ambulatory Surgery Facility

Alice Peck Day Memorial Hospital Lebanon CAH - 25 Beds Incl. Integrated Assisted and Independent Living Facilities (Woodlands/Harvest Hill)

Visiting Nurse & Hospice of Vermont and NH W. Lebanon Home Health & Hospice Service area 3,300 sq. mi.

New London Hospital New London CAH – 25 Beds Incl. Integrated Long-term Care Facility (Clough)

Valley Regional Hospital Claremont CAH – 25 Beds

Strategy

Build a balanced set of initiatives –combining both upstream and downstream interventions as well as balancing focus on specific populations and the entire population

Create a sustainable funding structure for initiatives:

- Identify strategies for reinvesting a portion of healthcare savings upstream in creating a Healthy Community
- Explore using community benefit funds to seed a Wellness Trust

Shift health care payment models to align financial incentives with desired results: Analyze options for

- Transitioning to global health care payment programs and
- Aligning provider incentives with value

Sequence the implementation of initiatives in the context of both short term and long term strategies

V. Seizing the Opportunity

 ✓ Experimentation and accelerated development
✓ Concluding thoughts

Period of Experimentation to Create

- Working examples of community integrators with enhanced financial competencies
- Successful collaboration with stakeholders with innovative financing vehicles
- > Better tools
 - Analytic models for projecting impacts
 - Measures for monitoring, accountability and payment: FFRDC project

> Evidence on financial impact across sectors

Challenges

- > Timeline: Need to lengthen/reframe time for outcomes
 - Federal agencies more likely to follow than lead:
 - CMS culture, eg HCIA guidelines
 - Issues around CBO/OMB scoring of waivers
- > Tapping shared savings from medical and other sectors
 - Link to CHNA for hospitals
- Creating community Integrator:
 - Develop financial role of managing balanced portfolio, closing transactions with partners
 - Avoid competing integrator models
- Collaborating with and adding value to innovative financing sectors
- Clash of cultures of major stakeholders: hospital executives, public health officers, CMS operating engine, private investors

Some Promising Opportunities for Developing Working Models

- CMS State Innovation Models: 6 testing and 19 design states
- Possible CMS test of models that incentivize lifelong health management eg community Accountable Health Systems (Aspen Institute 9/25/13)
- Way to Wellville contest (HICCup): 5 communities for 5 years
- > Advancing Frontiers in Sustainable Financing: ReThink Health/RWJ
- Healthy Base Initiative & Operation Live Well: DOD
- Moving Health Care Upstream: Nemours and UCLA/Kresge

Moving Health Care Upstream

Nemours and UCLA project funded by Kresge Foundation

Goal: The Moving Health Care Upstream Initiative aims to identify, support, and spread innovative health system strategies to improve community health.

Three networks of 3.0 communities: 1) Collaborative Innovation, 2) Learning and 3) Interest

Tactics:

- Develop and test innovations to identify promising tools and strategies.
- Harness and share best and promising practices for improving community health.
- Catalyze cross-sector stakeholders to spread the adoption of innovative community health delivery strategies.

Evolving Role for Public Health

Major implications for Public health enterprise

- More collaborative role likely
- What is our new value add? How build on known PH strengths?
- New competencies and tools needed

PHI's can play a key role in accelerating the transition

What Can PHI's Do?

Help identify and create initial success stories in community integrators

- Invite stakeholders from innovative finance vehicles to the table: seek them out
- Learn their language and culture

Identify the new value add/role of public health and facilitate the transition

Come to the breakout session

How to Finance Population Health?

A simple question to ask, but one remarkably difficult to answer

We won't get the community health system we need until we learn how to answer it. It may be when we no longer know what to do, we have come to our real work, and that when we no longer know which way to go, we have begun our real journey

Wendell Berry