HealthPartners' National Quality Forum endorsed measure of Total Cost of Care

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HealthPartners

- · Not-for-profit, consumer-governed
- Integrated care and financing system
 - 12,000 employees
 - Health plan
 - 1.36 million members in Minnesota and surrounding states
 - Medical Clinics
 - 500,000 patients
 - 800 physicians
 - HealthPartners Medical Group
 - Stillwater Medical Group
 - 35 medical and surgical specialties
 - 50 locations
 - Multi-payer
 - Dental Clinics
 - 60 dentists
 - Specialties: oral surgery, orthodontics, pediatric dentistry, periodontics, prosthodontics
 - 20 locations
 - Four hospitals
 - Regions: 454-bed level 1 trauma and tertiary center
 - Lakeview: 97-bed acute care hospital, national leader in orthopedic care
 - Hudson: 25-bed critical access hospital, award-winning healing arts program
 - Westfields: 25-bed critical access hospital, regional cancer care location







Who We Are

Health is what we do. Partnership is how we do it.

Mission: Why we're here

Improve the health of our members, our patients and the community.

Vision: Where we're headed

Through our innovative solutions that improve health and offer a consistently exceptional experience at an affordable cost, we will transform health care.

We will be the best and most trusted partner in health care, health promotion and health plan services in the country.

Values: How we act

PASSION • TEAMWORK • INTEGRITY • RESPECT

We live our values thru our Promises to Each Other & our Promises to Patients, Families & Members.

Strategies: What we do

PEOPLE • HEALTH • EXPERIENCE • STEWARDSHIP

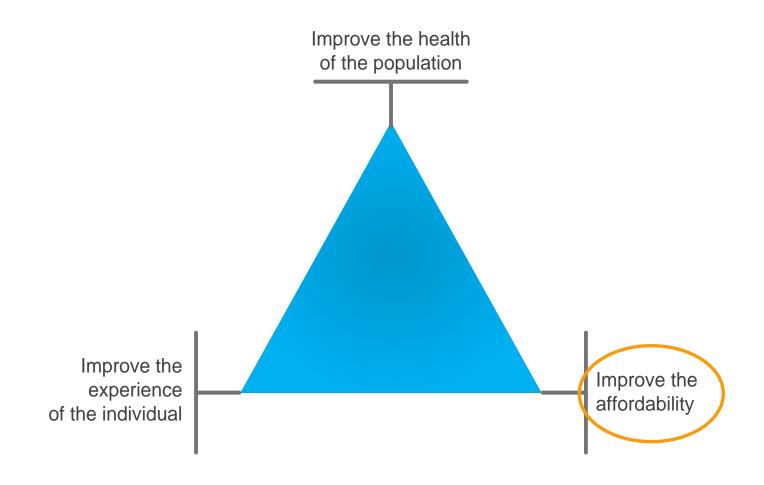
We approach our work and create our work plans by focusing on four dimensions.

Results: How we will know we did it

Balanced scorecard: Reporting that tracks our progress in the four dimensions

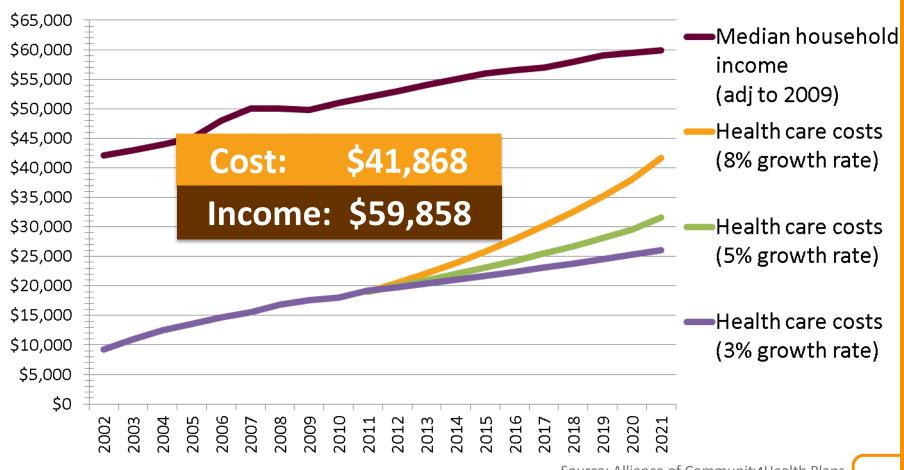
Partners for Better Health: The long-term road map for our work in the Health, Experience and Stewardship dimensions also known as the Triple Aim.

The Triple Aim Moving from Volume to Value



Why cost is a real issue

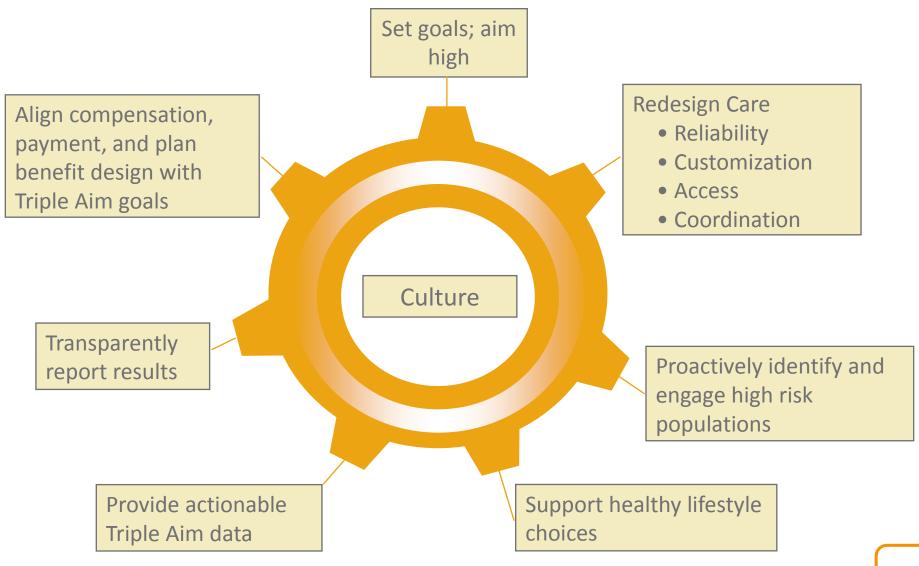
With Median Household Income (projected to 2021)



Partners for Better Health Goals 2014

Health Success	Experience Success	Affordability Success
Improved health for our customers and community as measured by: •Better well being, more satisfied and healthy lives. •The best local and national health outcomes and the best performing health care costs in the region.	Deliver an exceptional experience that customers want and deserve at an affordable cost as measured by: •The best performance on customer's willingness to recommend our clinics, hospitals and health plan to family and friends. •Feeling well-supported,	Lower health care costs for our customers as measured by: •Cost trends that are at or below general inflation (Consumer Price Index, a leading economic indicator). •The best performing overall health care costs in the region. •HealthPartners clinics and
	respected and cared for throughout life.	hospitals will be in the best 10 percent in the region in overall costs of health care.

Triple Aim: Transformation Elements



Evaluating Triple Aim Performance

Health Outcomes Consumer Experience Affordability Staying Healthy Satisfaction **Total Cost of Care** • Adult weight screening^{2*} Access³ Total Cost Index (TCI) for Full Population² • Preventive Services Up to Date^{2**} • Convenient appointments • Breast Cancer Screening^{1*} • Seeing the doctor of your choice Care Coordination Effectiveness • Cervical Cancer Screening^{1*} • Getting an appointment routine care • Colorectal Cancer Screening^{1*} • Getting an appointment for illness or injury • Total Cost Index (TCI) TCI Chronic Conditions² Cancer Screening Combined^{1*} • Waiting in the reception area Chlamydia Screening in Women^{1*} • Waiting in the exam room (e.g. Diabetes, Heart Failure, etc) • TCI for Service Components² (IP, OP, Prof, Rx) Childhood Immunizations^{1*} • Information by phone during clinic hours • Information by phone after clinic hours • Resource Use Index (RUI) for Full Population² Communication³ RUI Chronic Conditions² **Getting Better** How well doctor and staff listen (e.g. Diabetes, Heart Failure, etc) Avoidance of Antibiotic Treatment of Adult Bronchitis¹ . Time with the doctor • RUI for Service Component² (IP, OP, Prof, Rx) Treatment for Children with URI^{1*} Patient Management Risk-Adj Metrics² Decision Making³ Testing Children for Pharyngitis^{1*} • Explanations about tests or procedures • E&M Utilization² (primary, specialty) • Ouality of Care³ Lab/Path Utilization² Willing to recommend Standard Radiology² Living with Illness • High Cost Risk-Adj Metrics² • Asthma: Use of Appropriate Medications 1* •Total Acute Admissions and IP & OP Surgery² Safety and Avoidable Events COPD: Spirometry evaluation^{1*} • Emergency Department Utilization² • Depression: Optimal Depression Care² Medications³ • High Tech Radiology² Diabetes: Optimal Diabetes Care^{1*} Explanations about medications • Episode of Care (TCI, RUI)² Appropriate Blood Sugar (A1c)^{1*} • Explanations about medication side effects • Referral Partners (TCI, RUI)² Appropriate Blood Pressure^{1*} Health IT1 • Primary and Specialty Care Appropriate LDL Cholesterol^{1*} • Electronic health record • Inpatient and Outpatient Care • Tobacco Use^{1*} • Computerized test results • Daily Aspirin as appropriate1* · Health problems and doctor orders • Hypertension: Controlling High Blood Pressure^{1*} **Pharmacy Services** · Preventive care reminders and data • Optimal Vascular Care 1** • Electronic prescribing Generic Utilization Rate² Appropriate Blood Pressure^{1*} • Sending data to affiliated hospitals • Primary Care Appropriate LDL Cholesterol^{1*} · Sending data to hospitals outside of system Specialty Care • Tobacco Use^{1*} Safety Assessment Survey² • Top 25 Medications, generic alternatives² Daily Aspirin^{1*} · Safety culture • Safe use of sample medications • Safe use of anticoagulation medications Safe use of abbreviations · Refilling medications safely · Controlled substances

Sources: 1. Minnesota Community Measurement

2. HealthPartners Measurement

3. HealthPartners Consumer Choice Survey measure

*Denotes NQF endorsed measure or similar to NQF endorsed

**Denotes 1 or more components of measure are NQF endorsed

^HealthPartners measure awaiting NQF Board Ratification Grey shaded measures are supporting affordability improvement measures

National Quality Forum (NQF) Endorsed

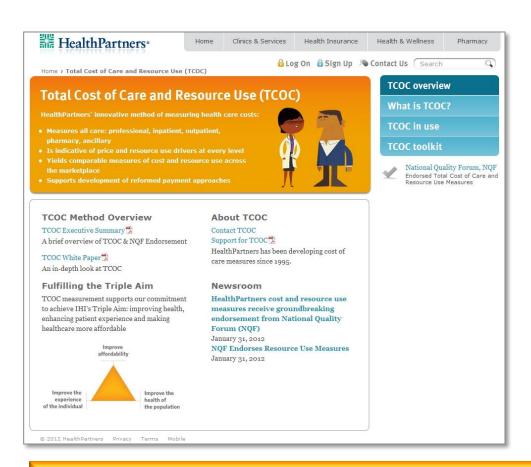
HealthPartners Total Cost of Care and Total Resource Use measures are the first population-based measures endorsed by NQF.

Rigorous 12 Month Application & Pass/Fail Review Process

- First-ever Call for Resource Use and Cost Measurement Specifications (January 2011):
 - Importance (literature review)
 - Scientific Acceptability, including reliability and validity testing
 - Usability (is it actionable)
 - Feasibility (can others replicate it)
- Dedicated Resource Use Steering Committee Evaluation
- Public and NQF Member Comment
- NQF Member Vote
- Consensus Standards Approval Committee
- NQF Board of Directors Ratified Endorsement (January 2012)

www.healthpartners.com/tcoc

www.healthpartners.com/tcoc



- Full transparency
 measurement methods and
 logic available in the public
 domain, free of charge
- The site contains all information related to the NQF submission, as well as the TCOC white paper and examples of the measurement in use
- TCRRVs and the SAS code to apply them are licensed free of charge

More than 30 organizations have licensed or inquired about use of the measures, including community collaboratives, government agencies, health plans, researchers and medical groups.

What is Total Cost of Care & Resource Use?

- At a high level, it's a **population-based measure** that can be **attributed** to medical groups for **accountability**
- Includes all care and treatment costs
 - Professional, facility inpatient and outpatient, pharmacy, lab,
 radiology, and other ancillary services
- Measures overall performance of a medical group relative to other groups
- Illness burden adjusted for accurate comparisons and benchmarking
- Sorts out price differences and resource use drivers
- Developed in partnership with medical groups

How does it work?

Calculations

The Total Cost Index is a measure of a medical group's risk adjusted cost effectiveness at managing a population for which they provide care, crossing all health care services.

Total Cost Index = Risk Adjusted PMPM / Peer Group Risk Adjusted PMPM

The Resource Use Index is a risk adjusted measure of the frequency and intensity of all health care services utilized to manage a medical group's patients.

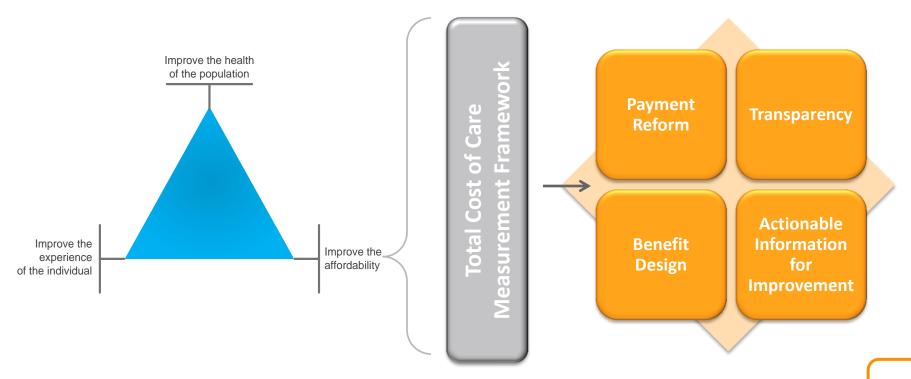
Resource Use Index = Risk Adjusted Resource Use PMPM / Peer Group Average
 Risk Adjusted Resource Use PMPM

Total Cost uses actual amount paid to a medical group.

Total Resource Use removes price to focus on utilization of health care services and resources.

How is it used? Balancing the Triple Aim with TCOC Metrics

Total Cost of Care compliments the robust standard measurement approaches and benchmark information in the quality and experience domains.



Payment Reform

Current

- Shared Savings based on Total Cost of Care Performance
 *Over 80% of health plan members are cared for by medical groups with these agreements this includes HPMG and most of our contracted partners
- Medical group Incentive for Triple Aim results
- Latest data shows most in Phase 1 are beating TCOC targets and will receive a Shared Savings payment

Future

- Accountable Care Organization (ACO) payments
- Global payment
- Lower share in fee-for-service payments

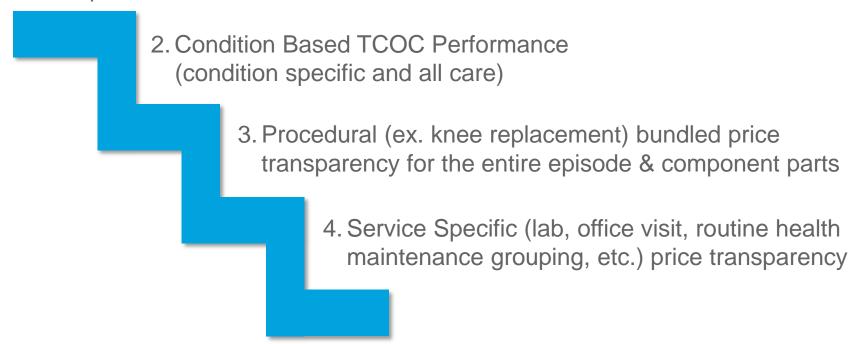


Benefit Design

- Tiered benefit design uses Total Cost of Care as basis for evaluating cost assessments
- Reference pricing and defined contribution benefits with selections based on medical group Total Cost of Care Performance
- Narrow networks

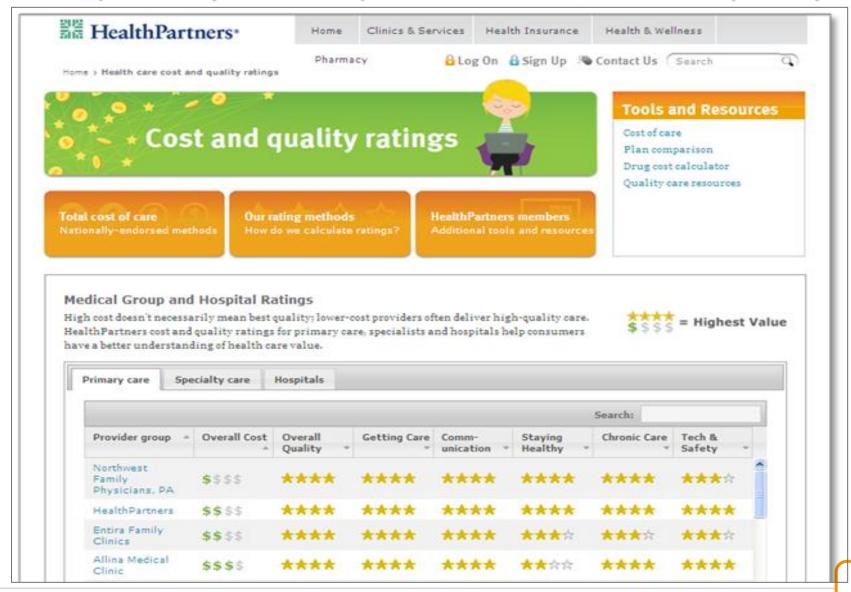
Transparency: A Multifaceted Approach

1. Population Based TCOC Performance



Multiple approaches to meet variable consumer and stakeholder needs.

Transparency: healthpartners.com/costandquality



Actionable Information:

Translating Information to Action

Financial View

Contract performance monitoring

Benchmarking View

- Practice performance compared to peers
- Identify areas of opportunity to drive Improvement
- By condition & episode
- Referral partner performance
- Pharmacy use and generic prescribing

Patient-Level View

- Support care redesign and practice improvement
- Customized to care system work flow and improvement priorities
- Includes information like predicted risk, ED, hospital use and physician prescribing profiles

Total Cost of Care Data



HEALTHPARTNERS - 201

Total Cost of Care Report - Rolling 12 Months: April through March - 2010, 2011 & 2012

- -Risk Adjusted Total Cost of Care Metrics
- -Total Spend Including Clinics, Hospitals, Rx and Referral Providers
- -Attributed, Commercial, Continuously Enrolled, Excluding Bables and 65+
- -Total Reimbursement Capped at \$100,000

Potential Opportunity (TCI)

Potential Opportunity (Pricing)

Potential Opportunity (RUI)

Potential Opportunity (Patient Mgmt Util)

Potential Opportunity (High Cost Util)

Highlighted cells indicate >= 1.01 after rounding

		Members		Average ACG Score		TCI			Price I	indexed to 2	012	Resource Use Indexed to 2012			
Provider Group	2010	2011	2012	2010	2011	2012	2010	2011	2012	2010	2011	2012	2010	2011	2012
HEALTHPARTNERS	98,381	95,516	88,284	1.08	1.07	1.05	0.96	0.97	0.98	0.94	0.98	0.99	0.98	0.98	0.99
Metro Total	312,938	308,824	296,932	1.06	1.06	1.05	1.00	1.00	1.00	0.95	0.98	1.00	1.01	1.00	1.00

The first through third quarier results should be viewed as preliminary indicators to year end results due to fluctuations in membership and its corresponding impact on continuous enrollment and ACG risk score assignments

		Patient Management Utilization Measures														
	E&M Count		E&M Count		unt E&M Count		% PC		Lab/Path		Standard		Rx Count		% Ge	neric
	Index	(Total)	Index	(PC)	Index	(Spec)	E&	M* Count Index		Rad		Index		Rx*		
Provider Group	2011	2012	2011	2012	2011	2012	2011	2012	2011	2012	2011	2012	2011	2012	2011	2012
HEALTHPARTNERS	0.97	0.97	0.94	0.93	0.99	1.01	51%	49%	1.07	1.07	1.01	1.01	0.97	0.97	80%	84%
Metro Total	1.00	1.00	1.00	1.00	1.00	1.00	52%	51%	1.00	1.00	1.00	1.00	1.00	1.00	79%	83%

"Measure is not risk adjusted

		High Cost Utilization Measures												
	Admit Count Index			IP Surg Count Index		ER Count Index		OP Surg Count Index		ch Rad (ER)	Hightech Rad Index (nonER)		% i Highted	ER ch Rad*
Provider Group	2011	2012	2011	2012	2011	2012	2011	2012	2011	2012	2011	2012	2011	2012
HEALTHPARTNERS	1.00	0.99	0.98	1.04	0.95	0.93	0.95	0.96	0.92	0.93	0.92	0.92	17%	17%
Metro Total	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	17%	16%

"Measure is not risk adjusted

	Service Category TCI								Price Index							Resource Use Index						
	IP.	ra	OP	TCI	Prof	TCI	Rx	TCI	IPP	rice	OPF	Price	Prof	Price	IPI	RUI	OP	RUI	Prof	fRUI		
Provider Group	2011	2012	2011	2012	2011	2012	2011	2012	2011	2012	2011	2012	2011	2012	2011	2012	2011	2012	2011	2012		
HEALTHPARTNERS	0.95	0.96	0.86	0.87	1.04	1.05	0.95	0.95	0.95	0.95	0.91	0.91	1.03	1.03	1.00	1.01	0.95	0.95	1.00	1.01		
Metro Total	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00		

Condition Focused

Population-based Total Cost of Care can be drilled down to a condition level, splitting out price and resource use.

	Overall Indices											
Condition	Members	TCI	Price Index	RUI								
ARTHRITIS	600	1.02	1.02	1.03								
ASTHMA	1,500	1.06	1.02	1.03								
BACK PAIN	3,500	1.03	0.99	1.04								
CHF	50	1.03	1.00	1.03								
CHRONIC RENAL FAILURE	105	0.91	1.03	0.89								
COPD	175	0.91	1.08	0.85								
DEPRESSION	2,300	1.04	0.99	1.05								
DIABETES	1,300	1.05	1.00	1.03								
HYPERLIPIDEMIA	3,700	1.03	1.02	1.03								
HYPERTENSION	3,500	1.06	1.02	1.04								
ISCHEMIC HEART DISEASE	350	1.00	0.99	1.00								
ALL OTHER CONDITIONS	12,500	1.07	1.02	1.05								
Provider XYZ	26,000	1.03	1.00	1.03								





Applying TCOC to this Situation



- Urgent Care or Emergency Department?
- Imaging
- DME
- Primary and Specialty Care Coordination
- Surgery
- Physical Therapy

To avoid these things . . .

- Preventable hospital admissions/readmissions
 - 2/3 related to chronic conditions
 - 1/3 related to procedures/surgeries
- Avoidable emergency room visits
- Unnecessary lab testing
- Use of higher cost drugs when generic is available
- Unnecessary use of hi-tech diagnostic imaging (MRI & CT scans)
- Care provided in higher cost setting when another venue is available (e.g., same day surgery center)
- Price increases

. . . do these things (Triple Aim Project Portfolio)

Keep people healthy

- Preventive care
- Optimal health for patients with diabetes, vascular disease, depression, asthma
- Engage patients in healthy lifestyles
- Provide coordinated care for patients with chronic/complex conditions
 - We call this "population health;" "care management;" "care transitions."
- Practice evidence-based care
 - Appropriate use of generics, imaging and lab
 - Back and neck pain
 - Low-risk chest pain protocol
 - Joint replacement pathway
 - Cancer care pathways
 - Pain management
 - Hospital checklists/order sets
 - And many more . . .

Engage patients and communities

- Reduce disparities
- Use shared decision making
- Provide patient centered care at end of life

Offer more convenient and affordable options

- Call, Click, or Come In
- virtuwell

Avoid harm by eliminating

- Hospital acquired conditions
- Falls, pressure ulcers

Do what we do efficiently

- Develop standardized reliable processes (care model process)
- Reduce waste

How?

Culture

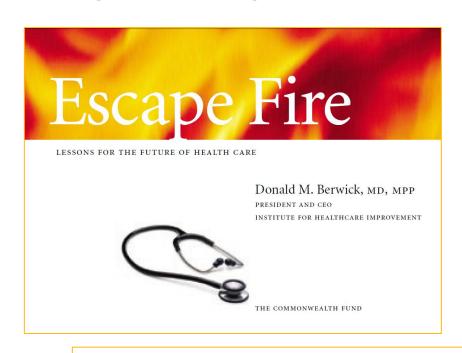
Care Design



Our Physician Culture:

'Health is what we do, partnership is how we do it'





PERSPECTIVE

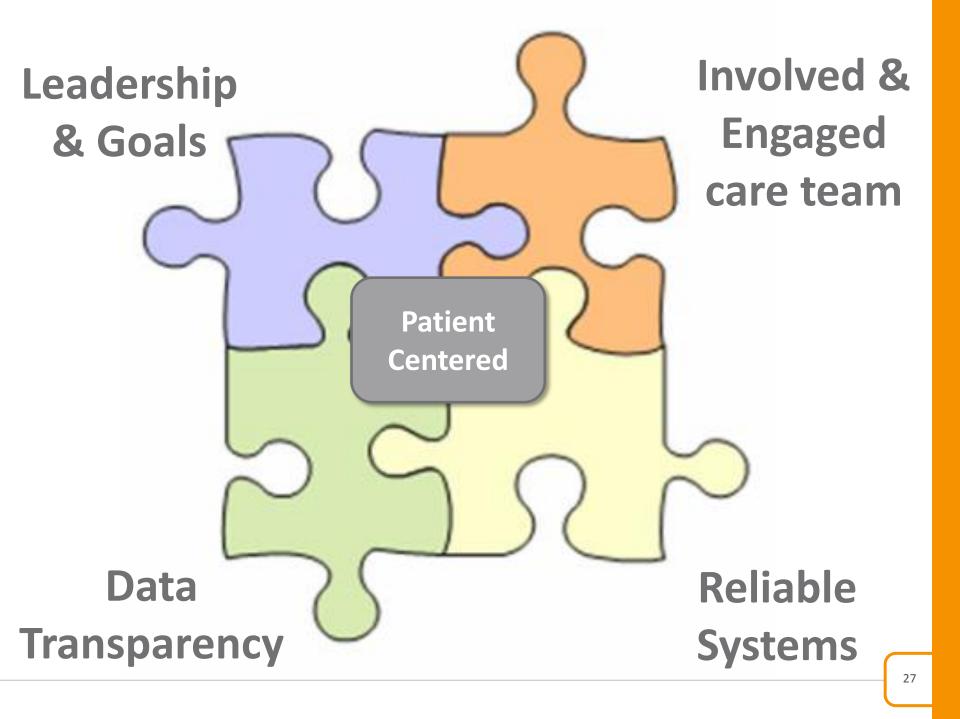
Zen and the Art of Physician Autonomy Maintenance

James L. Reinertsen, MD

The miracles of scientific medicine propelled physicians to an unparalleled level of clinical autonomy during the 20th century. During the past 20 years, physician autonomy has been declining, in part because the public has become aware that physicians are not consistently applying all of the science they know. One of medicine's most cherished professional values, individual clinical autonomy, is an important cause of the sometimes suboptimal performance in the timely and consistent application of clinical science: thus, it contributes to the decline in overall professional

autonomy. This paper calls for physicians to practice the science of medicine as a profession so that society will allow physicians to continue practicing the art of medicine as individual professionals. In a Zen-like paradox, physicians must give up autonomy in order to regain it.

Ann Intern Med. 2003;138:992-995. For author affiliation, see end of text. www.annals.org



Care Design Principles

We use the following design principles to ensure our care achieves Triple Aim results.

Four Care Design Principles

Reliability

Reliable processes to systematically deliver the best care

Customization

Care is customized to individual needs and values

Access

Easy, convenient and affordable access to care and information

Coordination

Coordinated care across sites, specialties, conditions and time

Visit Cycle and Care Team Roles



Reception

- Insurance verification
- Check-in
- Scheduling
- Message triage
- Forms

Visit Manager

- Registry
- Message triage
- LPN standing orders
- Test results
- Immunization

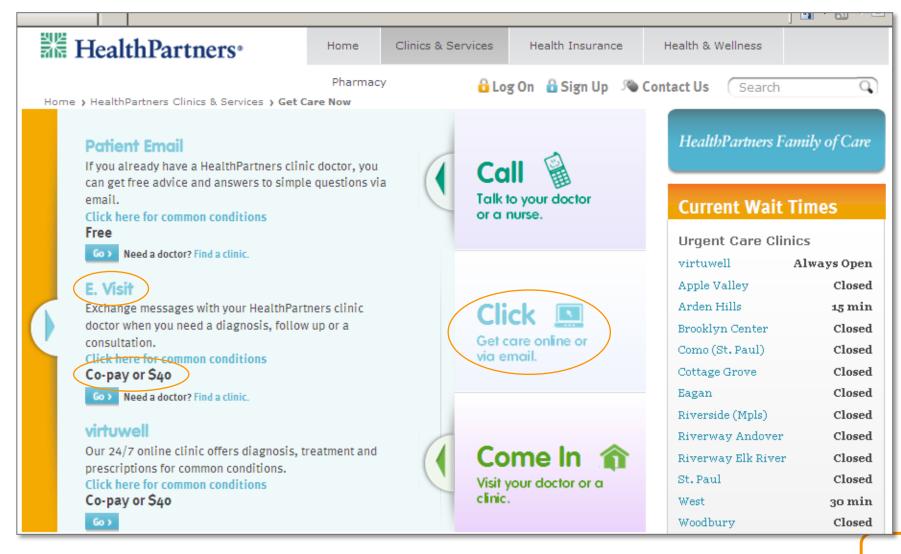
RN's

- Phone triage
- Protocol driven care
- Warfarin management
- Medication refill
- Abnormal test triage
- Care Coordination
- Action Plan

Physician / Provider

- Leader of care team
- Diagnosis and treatment
- Engaging patients in their care
- Directing members of care team
- Care plans

Access: Patient Choice



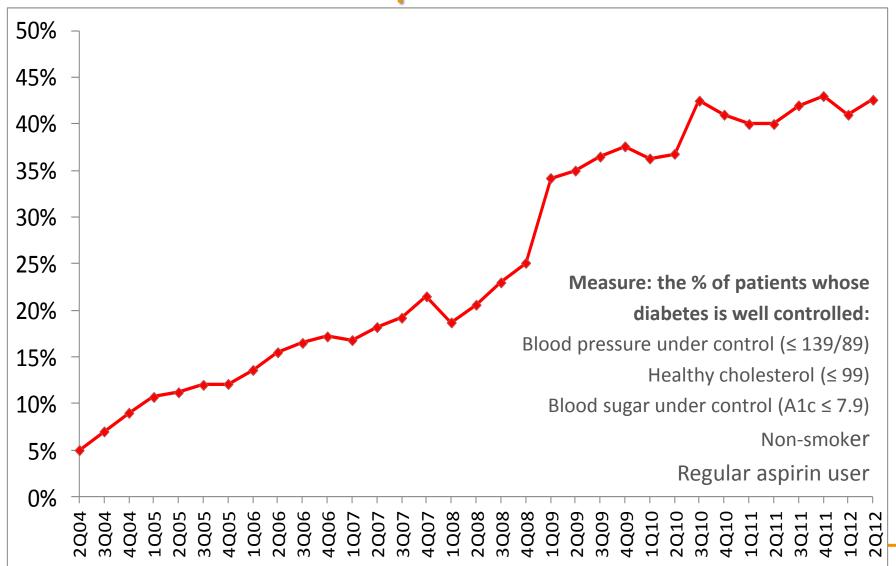
virtuwellTM at a Glance





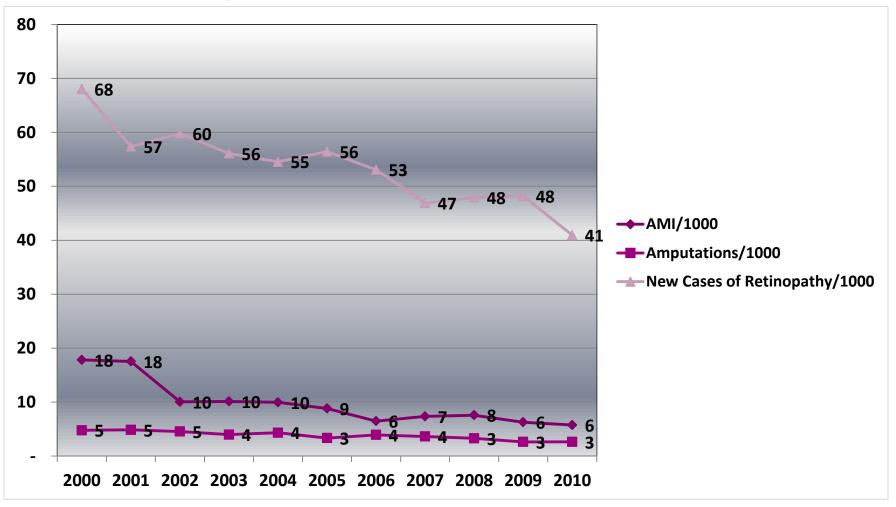
- Available around the clock 24/7/365
- Custom treatment plan with prevention advice
- A simple \$40 price, insurance accepted
- Money-back guarantee
- Free and easy triage if higher level of care needed
- Free 24/7/365 follow-up care
- Ability to connect with a nurse practitioner anytime
- 99% would highly recommend

Chronic Care: Optimal Diabetes Care



Chronic Care: Diabetes

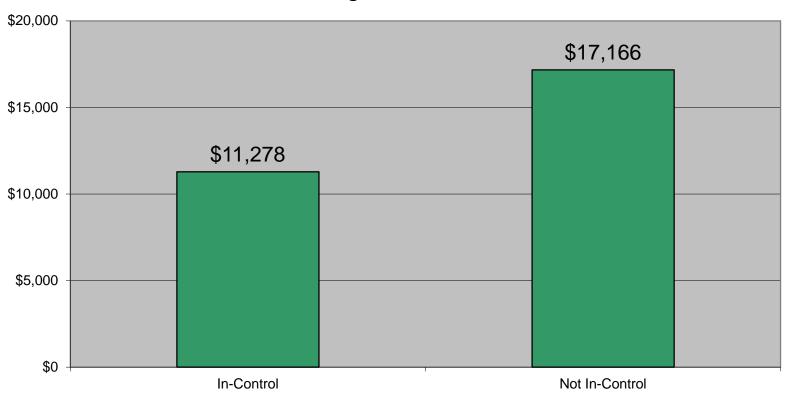
Avoided Complications



TCOC: Diabetes

HealthPartners Diabetes Optimal Health Outcomes Savings

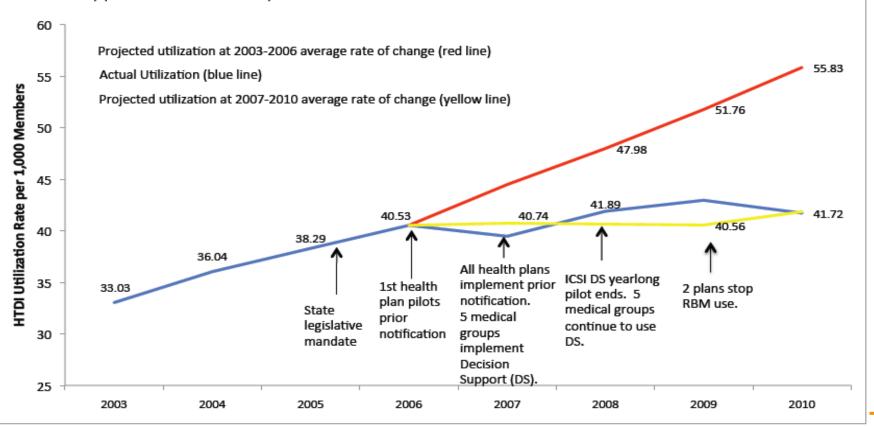
Average Diabetic PMPY



Hi-Tech Diagnostic Imaging

Aggregate HTDI Utilization Rate per 1,000 Members, 2003-2010
Aggregate Data Include: BCBS, HealthPartners, Medica, UCare and MNDHS FFS
Outpatient Data for Members Affected by Health Plan's HTDI Initiative

*Membership profile differs across health plans



Coordinated Care

Lung Cancer Pathway

- Consistent, coordinated approach to providing evidence-based care
- Partnership between primary care, oncology, pulmonary and thoracic surgery
- Pathway is built into electronic record
 - One order for all lung nodules and cancers
 - Standardized treatment algorithms based on best evidence
 - Ability to measure outcomes
- Impact for patients
 - Builds confidence and trust when patient has one care plan across all specialties
 - Increases satisfaction when care is coordinated by the same nurse
- Pathways also in place for colorectal, esophageal, pancreatic and brain cancers

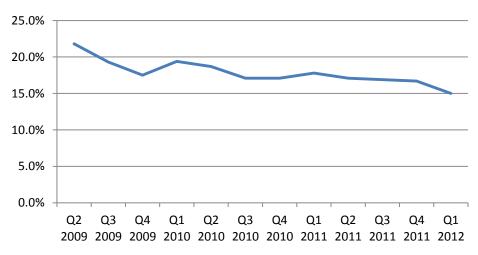
Care Transitions

Reducing Readmissions

Reduce readmissions through collaboration of our hospital, clinics, care management and pharmacy services:

- Identify high risk patients
- Create care plans and implement health coaching
- Participate in medication "boot camp"
- Schedule orders for follow-up clinic appointment
- Coordinate care with home care and other resources
- Simplify patient discharge instructions
- Engage patients in "teach back" methods
- Call patients post discharge

Readmission Rate



Emerging Triple Aim Projects

- Opioids
 - Standard approach to procedure pain management
 - Care plans for chronic pain
- Population Health
 - Healthy lifestyle support
 - Care management for complex patients
- Behavioral Health
 - Depression and anxiety care manager
 - Seriously mentally ill
- Specialist as population consultant

Results

- In top 25 national in NCQA's Health Insurance Plan rankings for 2010/11
- Obtained Medical Home recognition across all clinics
 - NCQA Primary Care Medical Home highest level designation
 - State of MN Health Care Home certification in Primary Care and Infectious Disease
- AMGA 2012 Acclaim Award recipient
- Hospital: Leapfrog Group's Top Hospital designation 2009/10/11
- Benchmark employee satisfaction
- Physician satisfaction (AMGA Survey)
 - 25th percentile \rightarrow 88th percentile
- Achieved margin target in each of last 9 years
- Plan administrative costs at 5.4%; medical group cost trend has moderated (0.5% average fee schedule increase 2004-11)

Thank you! Questions?