

Variations in Spending and Quality The Journey to Accountable Care

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Challenges facing global health systems Rising costs, uneven quality

Chicago Teachers Worried Over Health Benefit Costs Strike

TOPICS: HEALTH COSTS, STATES

SEP 10, 2012

Concerned over negotiating the cost of their health benefits with their school district, Chicago teachers walk off the job for the first time in 25 years.



Challenges facing global health systems Rising costs, uneven quality

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REVIEW ARTICLE

A New, Evidence-based Estimate of Patient Harms
Associated with Hospital Care

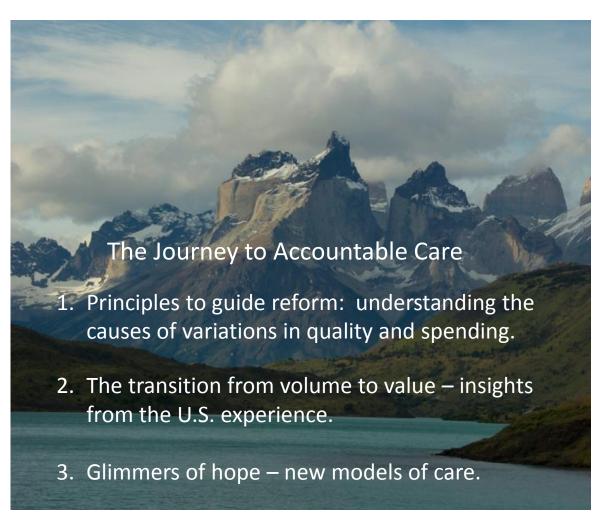
John T. James, PhD

210,000 to 400,000 deaths per year



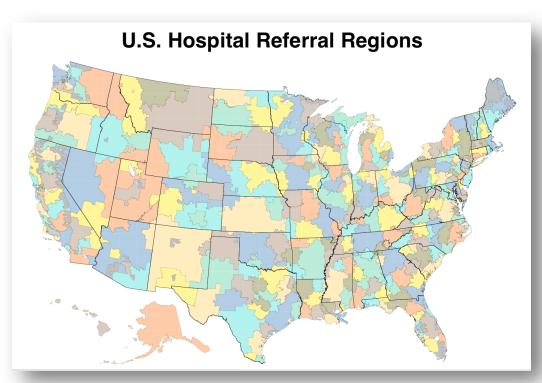
GEISEL SCHOOL OF MEDICINE AT DARTMOUTH

Opportunity Learning from Variations in Practice and Spending





Understanding Variations in Quality Differences in rates of specific interventions and outcomes



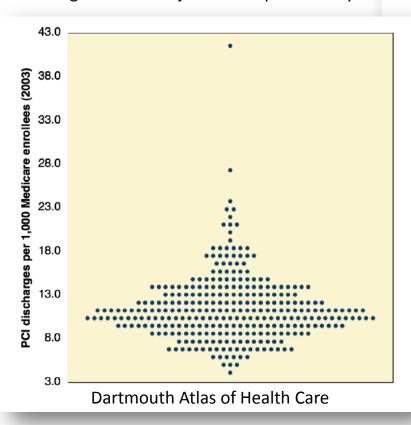
Dartmouth Atlas of Health Care



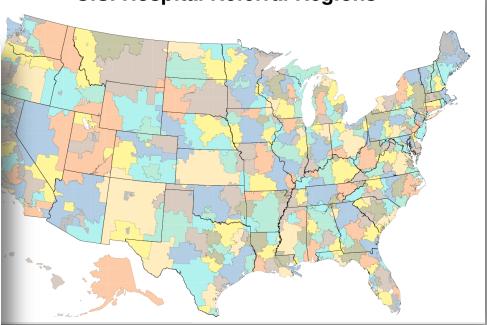
Understanding Variations in Quality Differences in rates of specific interventions and outcomes

Percutaneous Coronary Interventions

Age-sex-race adjusted rate per 1000 by HRR



U.S. Hospital Referral Regions



Dartmouth Atlas of Health Care



Understanding Variations in Quality Inadequate evidence – uncertainty about outcomes

SPECIAL REPORT

THE THROMBOLYSIS IN MYOCARDIAL INFARCTION (TIMI) TRIAL

Phase I Findings

The NEW ENGLAND JOURNAL of MEDICINE

ESTABLISHED IN 1812

AUGUST 14, 2008

VOL. 359 NO. 7

Effect of PCI on Quality of Life in Patients with Stable Coronary Disease



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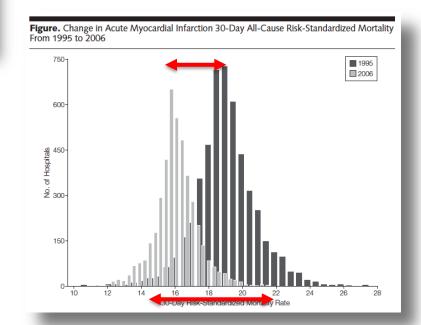
Understanding Variations in Quality Failure to deliver effective care safely and reliably

The NEW ENGLAND JOURNAL of MEDICINE

SPECIAL ARTICLE

Strategies for Reducing the Door-to-Balloon Time in Acute Myocardial Infarction

Elizabeth H. Bradley, Ph.D., Jeph Herrin, Ph.D., Yongfei Wang, M.S.,
Barbara A. Barton, R.N., Tashonna R. Webster, M.P.H., Jennifer A. Mattera, M.P.H.,
Sarah A. Roumanis, R.N., Jeptha P. Curtis, M.D., Brahmajee K. Nallamothu, M.D.,
David J. Magid, M.D., M.P.H., Robert L. McNamara, M.D., M.H.S.,
Janet Parkosewich, R.N., M.S.N., Jerod M. Loeb, Ph.D., and Harlan M. Krumholz, M.D.



Bradley EH et al. *NEJM*. 2006;355(22):2308-20. Krumholz et al. *JAMA*. 2009;302(7):767-773



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Understanding Variations in Quality Failure to align care with informed patient preferences

Annals of Internal Medicine

ARTICLE

Patients' and Cardiologists' Perceptions of the Benefits of Percutaneous Coronary Intervention for Stable Coronary Disease

Michael B. Rothberg, MD, MPH; Senthil K. Sivalingam, MD; Javed Ashraf, MD, MPH; Paul Visintainer, PhD; John Joelson, MD; Reva Kleppel, MSW, MPH; Neelima Vallurupalli, MD; and Marc J. Schweiger, MD



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Patients: 88% believed PCI would reduce risk of MI

Cardiologists: 43% would do PCI even if no benefit

Chan PS, et al. . *JAMA* 2011;306(1):53-61. Rothberg, MB et al. *Ann Intern Med.* 2010;153:307-313.

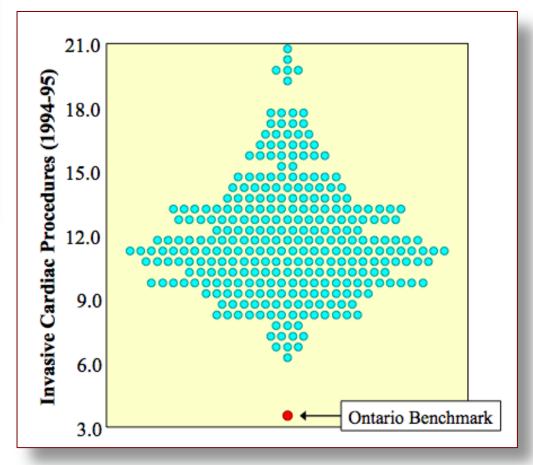


Understanding Variations in Quality The importance of shared decision-making

FOR HEALTH POLICY & CLINICAL PRACTICE
GEISEL SCHOOL OF MEDICINE AT DARTMOUTH



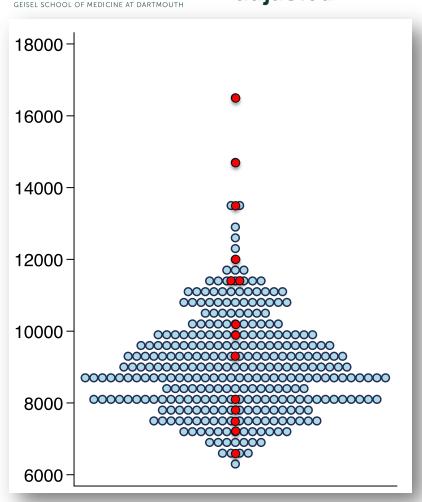
Wrong-side surgery: 1 in 1000 Wrong-patient surgery 1 in 5





Understanding Variations in Spending

Per-capita 2009 Medicare Spending, age, sex, race adjusted

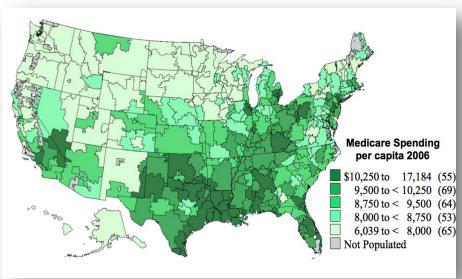


Miami, FL	\$16,639
McAllen, TX	\$14,576
Manhattan, NY	\$13,453
Los Angeles, CA	\$12,711
Detroit, MI	\$11,647
Chicago, IL	\$11,646
Philadelphia, PA	\$10,640
San Francisco, CA	\$9,913
Cincinnati, OH	\$9,388
Lebanon, NH	\$8,124
Minneapolis, MN	\$7,734
Des Moines, IA	\$7,382
Rochester, MN	\$7,120
La Crosse, WI	\$6,532



Understanding Variations in Spending

60% greater in high cost regions: where is the money going?



Per-Capita Spending

Low (pale): \$3,992

High (green): \$6,304

Difference: \$2,312 (61%)

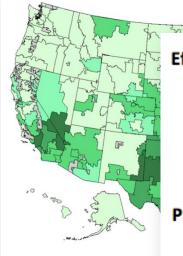
Initial Study

- 1 million Medicare beneficiaries with heart attack, colon cancer, hip fracture
- Followed for up to five years after initial hospitalization
- Compared content, quality and outcomes of care across spending levels



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Understanding Variations in Spending Where is the money going? Ratio of high to low spending



Effective Care: Benefit clear for all

Reperfusion in 12 hours (Heart attack)

Aspirin at admission (Heart attack)

Mammogram, Women 65-69

Pap Smear, Women 65+

Pneumococcal Immunization (ever)

Preference Sensitive: Values matter

Total Hip Replacement

Total Knee Replacement

Back Surgery

CABG following heart attack

Supply Sensitive: Often avoidable care

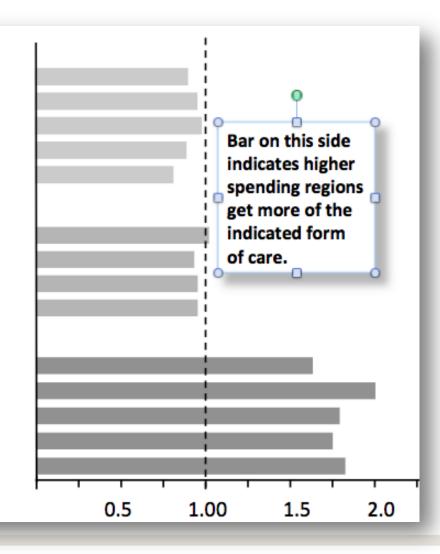
Total Inpatient Days

Inpatient Days in ICU or CCU

Evaluation and Management (visits)

Imaging

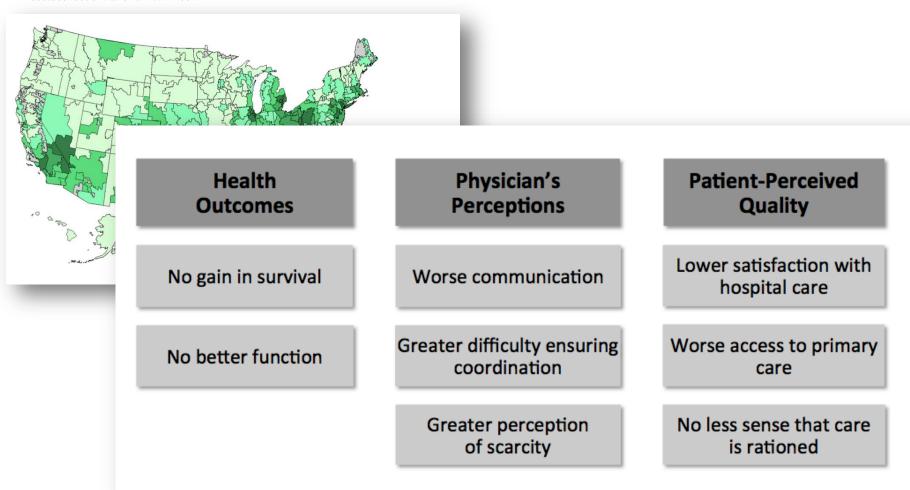
Diagnostic Tests





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Understanding Variations in Spending Any benefit from greater use of supply-sensitive care?

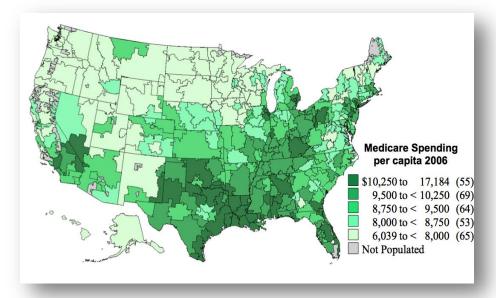


Sources: (1) Fisher et al. Ann Intern Med: 2003; 138: 273-298; (2) Baicker et al. Health Affairs web exclusives, October 7, 2004; (3) Fisher et al. Health Affairs, web exclusives, Nov 16, 2005; (4) Skinner et al. Health Affairs web exclusives, Feb 7, 2006; (5) Sirovich et al. Ann Intern Med: 2006; 144: 641-649; (6) Fowler et al. JAMA: 2008; 299: 2406-2412.



Understanding Variations in SpendingWhy the variations?

FOR HEALTH POLICY & CLINICAL PRACTICE
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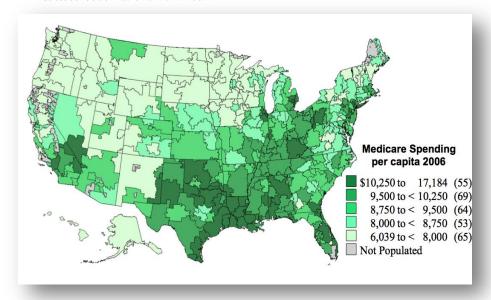
Why the variation in spending?

Sources: (1) Fisher et al. Health Services Research: 2000; 34: 1351-62; (2) Goodman et al. NEJM: 2002; 346: 1538-44; (3) Sirovich et al. Archives of Internal Medicine: 2005; 165: 2252-6; (4) Wennberg et al. Health Affairs web exclusives, November 16, 2005; (5) Skinner et al. Health Affairs: 2005; 25: w34-47; (6) Baicker et al. Health Affairs: 2006; 25: w355-67; (7) Barnato et al. Journal of General Internal Medicine 2009; 24: 695-701; (8) Anthony et al. Health Affairs 2009; 28: 864-73.



Understanding Variations in SpendingWhy the variations?

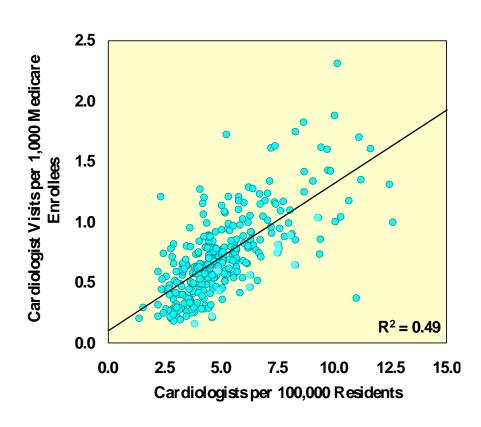
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Why the variation in spending? Not preferences or malpractice Not just fee-for-service



Understanding Variations in Spending Why the variations?



Why the variation in spending?

Not preferences or malpractice

Not just fee-for-service

Supply is important (about 50%)

Sources: (1) Fisher et al. Health Services Research: 2000; 34: 1351-62; (2) Goodman et al. NEJM: 2002; 346: 1538-44; (3) Sirovich et al. Archives of Internal Medicine: 2005; 165: 2252-6; (4) Wennberg et al. Health Affairs web exclusives, November 16, 2005; (5) Skinner et al. Health Affairs: 2005; 25: w34-47; (6) Baicker et al. Health Affairs: 2006; 25: w355-67; (7) Barnato et al. Journal of General Internal Medicine 2009; 24: 695-701; (8) Anthony et al. Health Affairs 2009; 28: 864-73.



Understanding Variations in SpendingWhy the variations?

For a patient with well-controlled high blood pressure – and no other problems – when would you schedule the next visit?

Why the variation in spending? Not preferences or malpractice Not just fee-for-service Supply is important (about 50%)

Clinical judgment? Evidence-based care – NO Supply-sensitive decisions?



Understanding Variations in Spending Why the variations?

For a patient with well-controlled high blood pressure – and no other problems – when would you schedule the next visit?

Other vignettes included:

Admission for mild heart failure

Referral to specialist

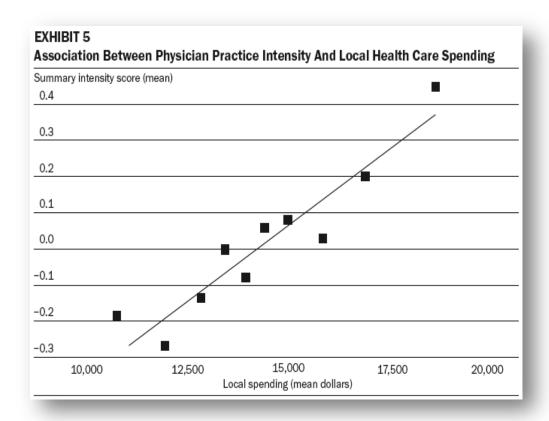
Order advanced imaging for back pain

Why the variation in spending? Not preferences or malpractice Not just fee-for-service Supply is important (about 50%)

Clinical judgment? Evidence-based care – NO Supply-sensitive decisions?



Understanding Variations in SpendingWhy the variations?

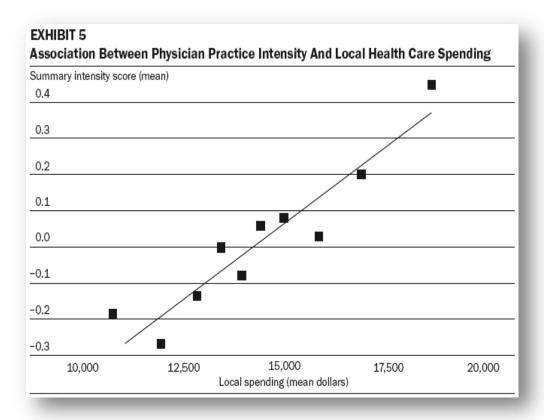


Why the variation in spending? Not preferences or malpractice Not just fee-for-service Supply is important (about 50%)

Clinical judgment?
Evidence-based care – NO
Supply-sensitive decisions?
Intensity score predicts spending



Understanding Variations in SpendingWhy the variations?



Why the variation in spending? Not preferences or malpractice

Not just fee-for-service Supply is important (about 50%)

Clinical judgment?
Evidence-based care – NO
Supply-sensitive decisions?
Intensity score predicts spending

→ Why local propensity to "do more"

Sources: (1) Fisher et al. Health Services Research: 2000; 34: 1351-62; (2) Goodman et al. NEJM: 2002; 346: 1538-44; (3) Sirovich et al. Archives of Internal Medicine: 2005; 165: 2252-6; (4) Wennberg et al. Health Affairs web exclusives, November 16, 2005; (5) Skinner et al. Health Affairs: 2005; 25: w34-47; (6) Baicker et al. Health Affairs: 2006; 25: w355-67; (7) Barnato et al. Journal of General Internal Medicine 2009; 24: 695-701; (8) Anthony et al. Health Affairs 2009; 28: 864-73.



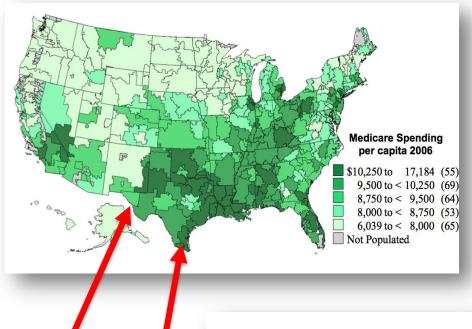
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El Paso

McAllen

Sources: (1) Fisher et al. Health Service

Understanding Variations in Spending Why the variations?



Why the variation in spending?

Not preferences or malpractice Not just fee-for-service Supply is important (about 50%)

Clinical judgment? Fyidence-based care - NO Supply-sensitive decisions? Intensity score predicts spending

→ 'Why local propensity to "do more"

THE NEW YORKER

ANNALS OF MEDICINE

THE COST CONUNDRUM

What a Texas town can teach us about health care.

by Atul Gawande

"Here ... a medical community came to treat patients ... as profit centers."

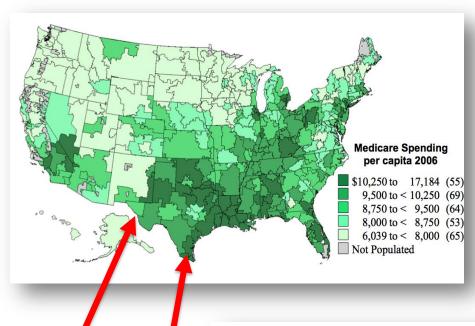
1538-44; (3) Sirovich et al. Archives of Internal Medicine: 2005; 165: 2252-6; (4) Wennberg et al. Health Annual web exclusives, november 10, 2005, (5) Skilling et al. Health Affairs: 2005; 25: w34-47; (6) Baicker et al. Health Affairs: 2006;

25: w355-67; (7) Barnato et al. Journal of General Internal Medicine 2009; 24: 695-701; (8) Anthony et al. Health Affairs 2009; 28: 864-73.



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Understanding Variations in Spending Why the variations?



"This is the problem we have to solve."

> President Barack Obama June 4, 2009

THE NEW YORKER

ANNALS OF MEDICINE

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Sources: (1) Fisher et al. Health Service

McAllen

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JUNE 1, 2009

1538-44; (3) Sirovich et al. Archives of Internal Medicine: 2005; 165: 2252-6; (4) Wennberg et al. Health Annual west exclusives, november 10, 2005, (5) Skinner et al. Health Affairs: 2005; 25: w34-47; (6) Baicker et al. Health Affairs: 2006;

"Here ... a medical community

came to treat patients ... as

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25: w355-67; (7) Barnato et al. Journal of General Internal Medicine 2009; 24: 695-701; (8) Anthony et al. Health Affairs 2009; 28: 864-73.



Origins Principles to guide reform

Underlying Problem

Supply drives utilization. Local capacity and practice styles are powerful determinants of decisions and spending.

Absent or poor data leaves practice unexamined and unable to improve; choices uninformed by evidence.

Flawed conceptual model: Health is produced by face-to-face visits with physicians. Care is fragmented.

Wrong incentives reinforce model, reward fragmentation, induce overuse of unnecessary care.

Key Principles

Address the problem of supply-driven care through shared-decision-making; rethink how and where care is delivered.

Better information that engages physicians, supports improvement; informs consumers and patients.

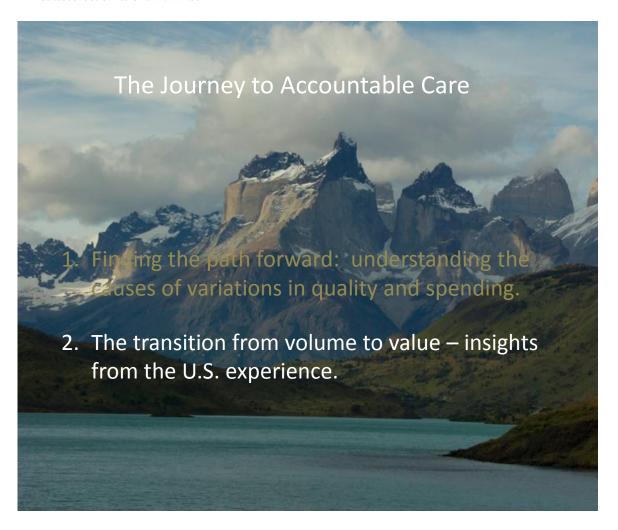
New model: *It's the system*. Establish organizations capable of redesigning practice and eliminating waste.

Rethink our incentives: Realign incentives – both financial and professional – with aims.



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ChallengeVariations in Practice and Spending

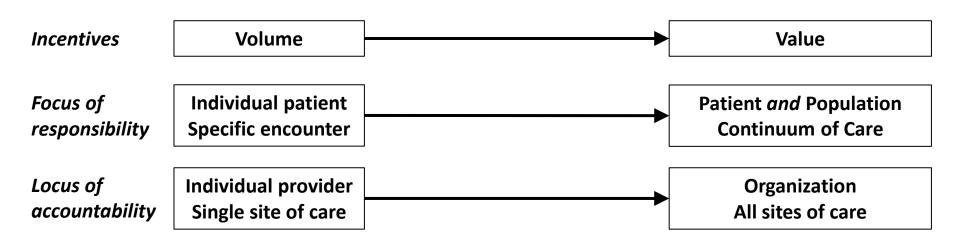




Where are we now?

The transition from volume to value is underway







Where are we now?

Emerging value-based payment models

Medical Home

Theory: Small monthly payment to support core primary care functions;

payment is in addition to fee-for-service

Limitations:

Leaves responsibility largely on shoulders of primary care clinicians

No incentives for specialists or hospitals to support improvement

No incentive to reduce referrals or total cost of care (in most models)



Where are we now?

Emerging value-based payment models

Medical Home

Theory: Small monthly payment to support core primary care functions; payment is in addition to fee-for-service

Limitations:

Leaves responsibility largely on shoulders of primary care clinicians

No incentives for specialists or hospitals to support improvement

No incentive to reduce referrals or total cost of care (in most models)

Episode (Bundled) Payments

Theory: single payment for episode (e.g. joint replacement); encourages collaboration across providers to improve care

Limitations:

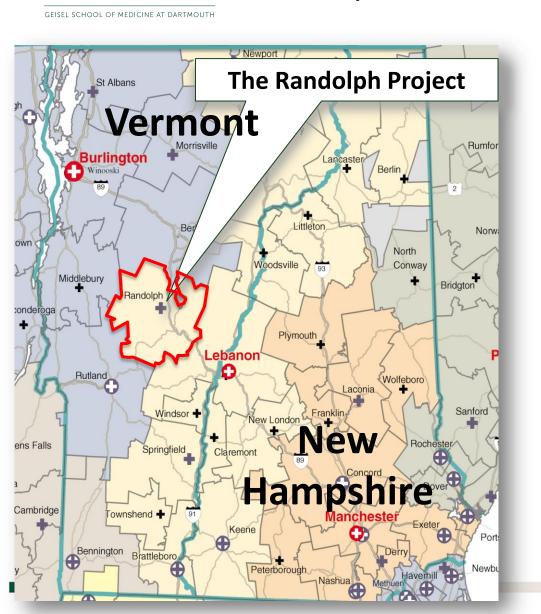
Boundaries are difficult to define;

Requires someone to accept bundled payment and manage care Incentive to provide more episodes remains (rewards volume)



Accountable Care Organizations

Pilot Project



Context:

Rural community
5000 residents
General hospital – 15 beds
Nursing home – 30 beds
20 primary care providers (MD, RN)
General surgery, Obstetrics

Concept:

Determine total current spending Project spending forward Determine actual spending Share savings

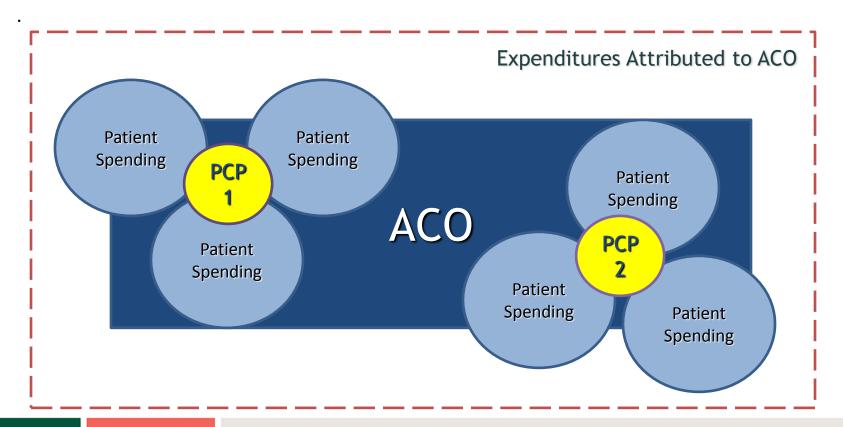


Accountable Care Organizations

Calculating ACO Spending

- 1. Identify primary care providers (PCP) in the ACO: MD & Nurse Practitioners
- 2. Determine patients cared for by these providers
- 3. Calculate spending for **all** services (ACO and non-ACO providers)

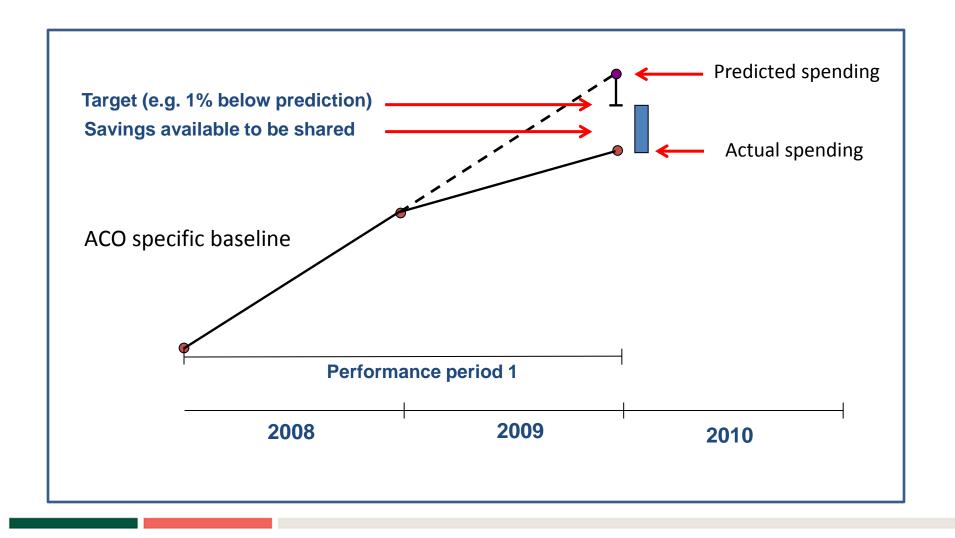
 Note: only some of spending will be by ACO providers (dark blue box)





Accountable Care Organizations

Determining spending targets and shared savings





Accountable Care Organizations

How might savings be distributed?

Projected FFS spending based on target All of the savings growth rate 1% Reduction in Costs go to Payers Level at which shared savings begin Additional 2% Reduction in Costs Additional 2% Reduction in Costs **Actual ACO FFS spending**



Accountable Care Organizations

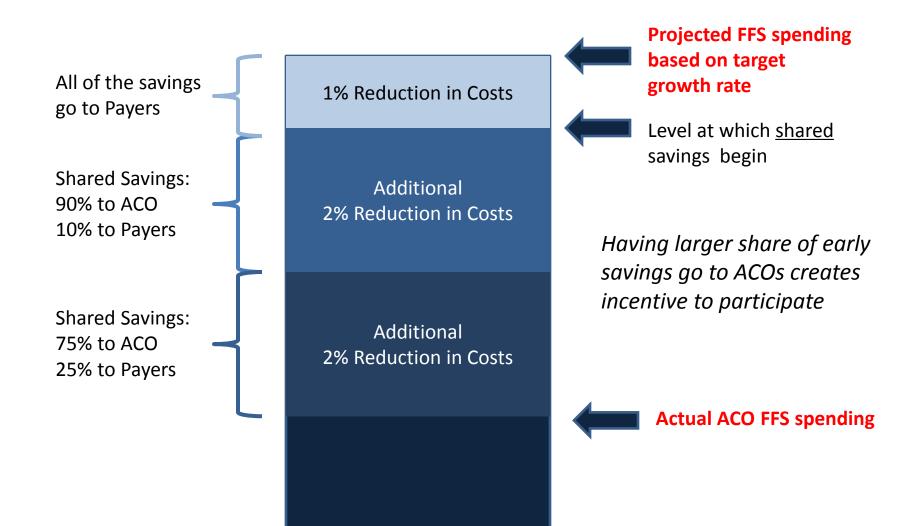
How might savings be distributed?

Projected FFS spending based on target All of the savings growth rate 1% Reduction in Costs go to Payers Level at which shared savings begin **Shared Savings:** Additional 90% to ACO 2% Reduction in Costs 10% to Payers **Shared Savings:** Additional 75% to ACO 2% Reduction in Costs 25% to Payers **Actual ACO FFS spending**



Accountable Care Organizations

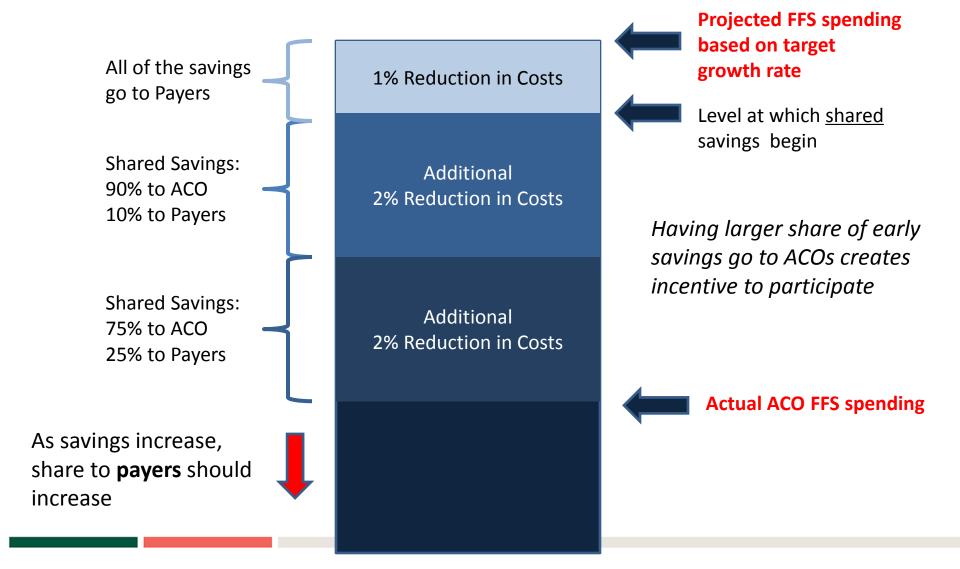
How might savings be distributed?





Accountable Care Organizations

How might savings be distributed?





Accountable Care Organizations

Share of savings also depends upon achieving quality targets

Patient/Caregiver Experience

- 1. CAHPS: Getting Timely Care, Appointments, and Information
- 2. CAHPS: How Well Your Doctors Communicate
- 3. CAHPS: Patients' Rating of Doctor
- 4. CAHPS: Access to Specialists
- 5. CAHPS: Health Promotion and Education
- 6. CAHPS: Shared Decision Making
- 7. CAHPS: Health Status/Functional Status

Preventive Health

- 14. Influenza Immunization
- 15. Pneumococcal Vaccination
- 16. Adult Weight Screening and Follow-up
- 17. Tobacco Use Assessment and Tobacco Cessation Intervention
- Depression Screening
- 19. Colorectal Cancer Screening
- 20. Mammography Screening
- 21. Screening for High Blood Pressure

Care Coordination/ Patient Safety

- 8. Risk-Standardized, All Condition Readmission
- 9. Ambulatory Sensitive Conditions Admissions: Chronic Obstructive Pulmonary Disease or Asthma in Older Adults (AHRQ Prevention Quality Indicator (PQI) #5)
- Ambulatory Sensitive Conditions Admissions: Congestive Heart Failure (AHRQ Prevention Quality Indicator (PQI) #8
- 11. Percent of Primary Care Physicians who Successfully Qualify for an EHR Program Incentive Payment
- 12. Medication Reconciliation: Reconciliation After Discharge from an Inpatient Facility
- 13. Falls: Screening for Fall Risk

At Risk Populations

Diabetes Composite (All or Nothing Scoring):

- 22. Hemoglobin A1c Control (<8 percent)
- 23. Low Density Lipoprotein (<100)
- 24. Blood Pressure <140/90
- Tobacco Non Use
- Aspirin Use
- 27. Diabetes Mellitus: Hemoglobin A1c Poor Control (>9 percent)
- 28. Hypertension (HTN): Controlling High Blood Pressure
- 29. Ischemic Vascular Disease (IVD): Complete Lipid Panel & LDL Control (<100 mg/dL)
- 30. Ischemic Vascular Disease (IVD): Use of Aspirin or Another Antithrombotic
- 31. Heart Failure: Beta-Blocker Therapy for Left Ventricular Systolic Dysfunction
- Coronary Artery Disease (CAD) Composite: All or Nothing Scoring: Drug Therapy for Lowering LDL-Cholesterol
- 33. Coronary Artery Disease (CAD) Composite: All or Nothing Scoring: Angiotensin-Converting Enzyme (ACE) Inhibitor or Angiotensin Receptor Blocker (ARB) Therapy for Patients with CAD and Diabetes and/or Left Ventricular Systolic Dysfunction



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Accountable Care Organizations

Initial National Pilot Project

ORIGINAL CONTRIBUTION

Spending Differences Associated With the Medicare Physician Group Practice Demonstration

Carrie H. Colla, PhD

David E. Wennberg, MD, MPH

Ellen Meara, PhD

Jonathan S. Skinner, PhD

Daniel Gottlieb, MS

Valerie A. Lewis, PhD

Christopher M. Snyder, PhD

Elliott S. Fisher, MD, MPH

O IMPROVE CARE AND SLOW cost growth, pavers are increas-

Context The Centers for Medicare & Medicaid Serv accountable care organization (ACO) programs designe cost growth. The ACOs resemble an earlier pilot, the M tice Demonstration (PGPD), in which participating phy payments if they achieved lower cost growth than loca gets. Although evidence indicates the PGPD improved about its effect on costs.

Objective To estimate cost savings associated with the eficiaries dually eligible for Medicare and Medicaid.

Design Quasi-experimental analyses comparing preinter intervention (2005-2009) trends in spending of PGPD part We compared estimates using several alternative approa

Physician Group Practice (ACO) Demonstration

Savings Achieved

All High-cost Patients

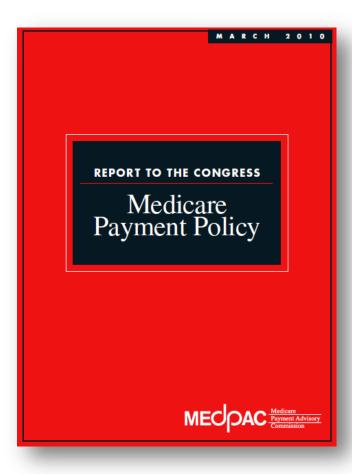
All Systems 1% 5% Marshfield 9% 11%

Colla et al. JAMA 2012; 308 (10): 1015



Accountable Care Organizations

General Approach



Design principles

- Population cared for by physician groups
 Defined by geography (local service area)
 Patients choose their PCP
 Patients attributed to primary care providers
- Target budget
 Projected from recent total one year costs
 Shared savings if spending is below target
- Existing or new organizations:
 Make it easy to start down the path (low risk)
 Provider-payer partnerships common
- Focus on outcomes
 Quality improvement a requirement

 Total cost of care
- Patient choice



Where are we now?

ACOs are largest component of US payment reform

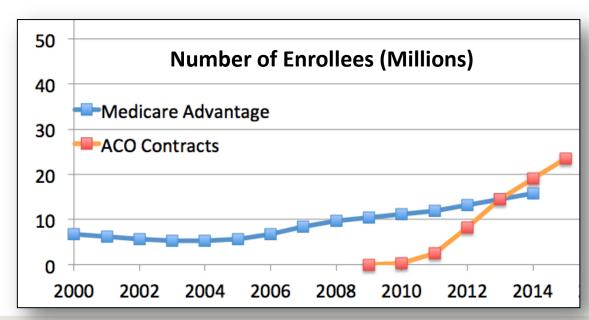
ACO payment model continues to expand: 751 ACOs (August 2015)

Leadership Types of Contracts

Physician Group: 308 Government only 352

Hospital led: 339 Commercial only 245

Other 104 Both: 142



Sources: Kaiser Family Foundation; Leavitt Partners



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What do ACOs look like?

Hospital-based ACO – Iowa Health (Now Unity Point)





What do ACOs look like?

Hospital-based ACO – Iowa Health (Now Unity Point)

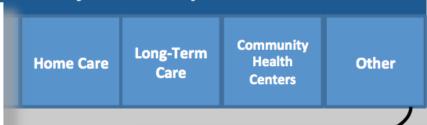
New relationships and responsibilities require new capabilities

ORGANIZED SYSTEM OF CARE ("OSC")

Leadership: physician directed "sites of care" leadership collaborating within a "defined authority matrix"

Technical Capabilities

- Quality measurement
- Financial reporting
- Risk stratification
- Population management
- Chronic disease management
- Advanced IT tools



ASED CARE - C

Leadership Skills

- Strategic planning
- Managing organizational change
- Negotiation
- Team building, coaching
- Physician engagement
- Community partnerships



What do ACOs look like?

Physician-led ACO

Optimus Healthcare Partners, Summit NJ		
Organizational Structure	Partnership between two IPAs: Vista Health Systems IPA and Central Jersey Physician Network	
Physicians	550 physicians; mostly solo / small office practices; 60+ specialists	
Payer-Partners	Private: Horizon Blue Cross Blue Shield; others pending Public: MSSP	
ACO Governance	Four physician-driven committees: quality, finance, medical/management/utilization, credentialing	
Payment Model	Private: PCP care management fees, netted against shared savings Public: Upside only Shared Savings,	
Attributed Patients	Private: 40,000 patients under BCBS contract Public: 27,000 Medicare beneficiaries under MSSP	
Distribution of Shared Savings	30% to Optimus operations; 70% to providers (almost all to physicians).	



What are we learning?

Early results are promising

Quality:

ACO performing better than FFS

ACOs are almost all meeting required quality targets

Cost:

Overall savings:

➤ Magnitude of savings is modest:

Medicare Shared Savings Program (MSSP): 0.3% - 1%;

Pioneer (years 1 and 2): 0.5% - 2%

Savings increase over time:

Pioneer: total savings grew: $\$88m \rightarrow \$96m \rightarrow \$120m$

MSSP: 27% of ACOs had savings year 1; 37% by end of year 2

Massachusetts BCBS ACO – at 4 years, savings were 6.8%

But

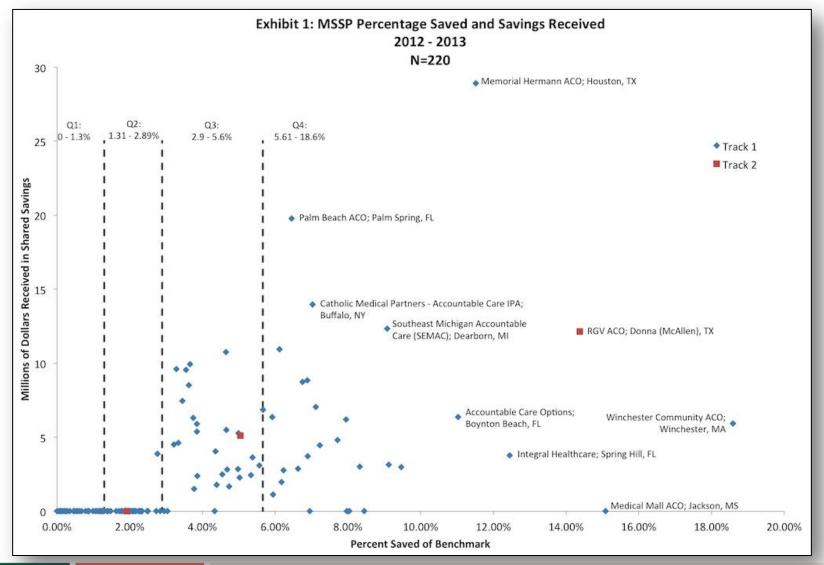
Only half of ACOs achieving savings at outset; only 25% receiving bonus



GEISEL SCHOOL OF MEDICINE AT DARTMOUTH

What are we learning now?

Performance varies – Medicare Shared Savings Program





What are we learning now?

Can research help guide further reforms?

Empirical evidence – better performance in:

- ➤ High cost regions / high cost ACOs
- Smaller ACOs
- ➤ Prior experience with risk contracts
- > Stronger care management capabilities
- ➤ More "high cost / high need" enrollees

Impressions

Leadership:

- Commitment to move organization to ACO model
- > Capacity to learn and execute

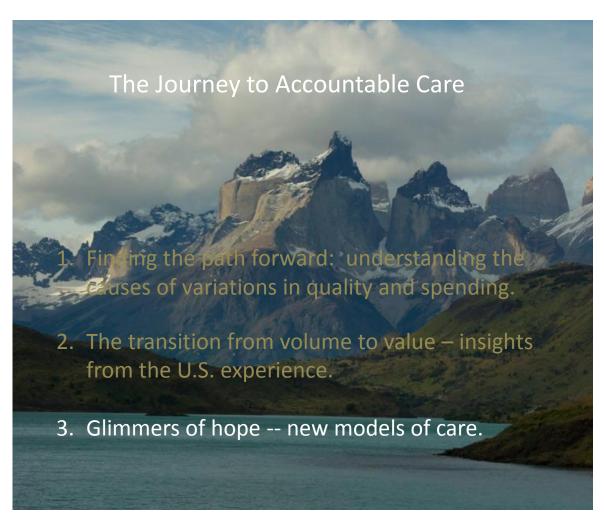
Data: to support patient management and care improvement

Degree of alignment: of payment across payers (single business model)



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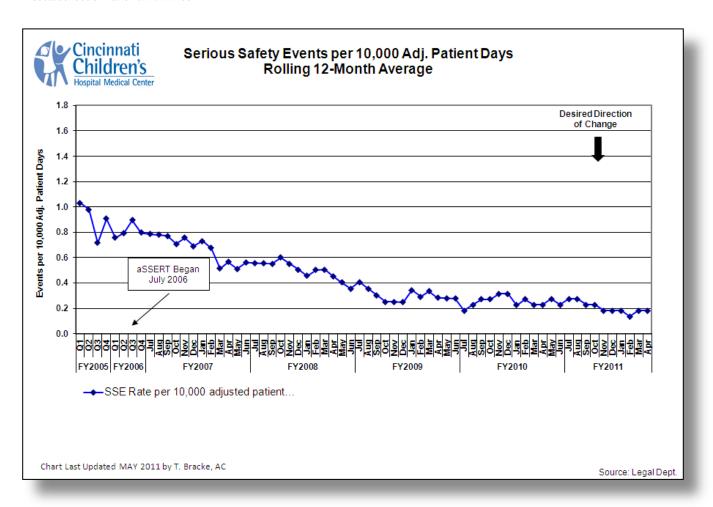
ChallengeVariations in Practice and Spending





Science of Improvement is Taking Root Improving adherence to evidence-based practice

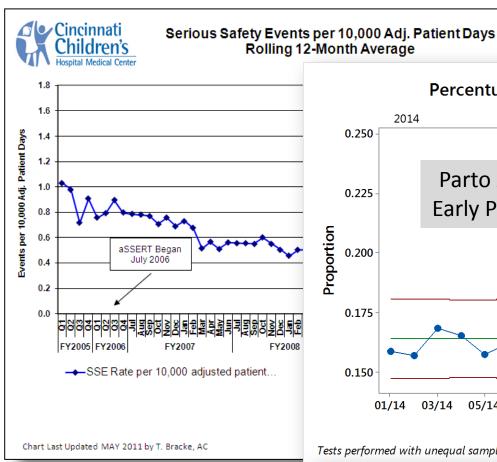






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Science of Improvement is Taking Root Improving adherence to evidence-based practice



Percentual de partos vaginais - Grupo Piloto 2014 2015 0.250 UCL=0.2468 Parto Adequado 0.225 **Early Pilot Results** P=0.2110 **Proportion** 0.200 0.175 LCL=0.1752 0.150 03/14 05/14 07/14 09/14 11/14 01/15 03/15 05/15 07/15 Mês Tests performed with unequal sample sizes











FOR HEALTH POLICY & CLINICAL PRACTICE
GEISEL SCHOOL OF MEDICINE AT DARTMOUTH

New Models of Primary Care

Team-based care; Health Coaching; Shared-decision-making

MEDICAL HOMES: A SOLUTION?

By Robert J. Reid, Katie Coleman, Eric A. Johnson, Paul A. Fishman, Clarissa Hsu, Michael P. Soman, Claire E. Trescott. Michael Erikson, and Eric B. Larson

The Group Health Medical Home At Year Two: Cost Savings, Higher Patient Satisfaction, And Less Burnout For Providers



Harry Shriver



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The Group Health Medical Home At Year Two: Cost Savings, Higher Patient Satisfaction, And Less Burnout For Providers

Introduced shared decision-making in Primary Care for lower extremity joint replacements in 2009

Over 6 months

38% fewer knee replacements

26% fewer hip replacements

12 – 21% lower costs



Harry Shriver



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New Models of Specialty Care Training, Protocols, and Telemedicine



The NEW ENGLAND JOURNAL of MEDICINE

ORIGINAL ARTICLE

Outcomes of Treatment for Hepatitis C Virus Infection by Primary Care Providers

Sanjeev Arora, M.D., Karla Thornton, M.D., Glen Murata, M.D.,
Paulina Deming, Pharm.D., Summers Kalishman, Ph.D., Denise Dion, Ph.D.,
Brooke Parish, M.D., Thomas Burke, B.S., Wesley Pak, M.B.A.,
Jeffrey Dunkelberg, M.D., Martin Kistin, M.D., John Brown, M.A.,
Steven Jenkusky, M.D., Miriam Komaromy, M.D., and Clifford Qualls, Ph.D.



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What does the future hold? It is up to us



Kori Krueger, MD Marshfield Clinic

Physician Group Practice (ACO) Demonstration

	Savings Achieved		
	All Patients	High-cost Group	
All Systems	1%	5%	
Marshfield	9%	11%	



GEISEL SCHOOL OF MEDICINE AT DARTMOUTH

What does the future hold?

Improvement?

It is up to us



Kori Krueger, MD Marshfield Clinic

System incentives: shared savings; focus on all patients

Measures: quality, outcomes, and costs

Data feedback: MD performance shared, to motivate

Teams to support practice change

Physician Group Practice (ACO) Demonstration

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