

Patient is in control	Evidence-based decision making
Customized according to patient needs & values	Care is anticipated & population-based
Continuous healing relationships	Transparency is necessary
Free flow of information for care team	Safety is a system property
Coordination among clinicians is priority	Waste is continuously decreased



Evidence-based Patient is in control decision making Care is anticipated & Customized according to population-based patient needs & values Continuous healing Transparency is relationships necessary Free flow of information in Safety is a system care team property HIS Coordination among Waste is continuously clinicians is priority decreased

Evidence-based Patient is in control decision making Care is anticipated & Customized according to population-based patient needs & values Continuous healing Transparency is HIS relationships necessary Free flow of information in Safety is a system care team property Coordination among Waste is continuously, clinicians is priority decreased



Care is anticipated & Patient is in control population-based Customized according to Coordination among clinicians in priority patient needs & values Continuous healing Transparency is relationships necessary Safety is a system Free flow of information property Evidence-based decision Waste is continuously decreased making







A STRONG PRIMARY CARE BASE

Observational evidence is clear that healthcare systems that emphasize primary care (access, continuity, comprehensiveness, care coordination) achieve:

Better Health Outcomes

- Better health in areas with higher primary care supply
- Attributes of primary care associated with better outcomes

Lower Costs

Areas with higher primary care supply have lower costs

Better Equity

Primary care mitigates the adverse health effects that come with social disadvantage

In US & Canada, Patient-Centered Medical Home (PCMH) has emerged as the vehicle to rapidly reinvigorate primary care





PRIMARY CARE IS A TEAM SPORT



WHAT IS THE PATIENT-CENTRED MEDICAL HOME?

Reinvigorating core attributes of primary Care

(access, longitudinal relationships, comprehensiveness, coordination)

System supports for chronic illness care & prevention

(HIT, delivery team redesign, self management support, decision support)

Advanced information technologies

(EHRs, registries, reminders, patient portals, SDM tools, etc.)

Supportive physician payment methods

(promotes primary care & "triple aim" goals, not just volume)





PATIENT-CENTREDNESS

- Growing body of evidence that patient & family engagement is associated with higher quality at same or lower cost (Cosgrove, et al. 2103; Green and Hibbard 2012; Hibbard, et al. 2013)
- PCMH seeks to engage patients & families in ways that matter to them





WHAT DOES PATIENT-CENTREDNESS MEAN?

Core Concepts:

- Dignity & Respect Providers listen to & honor patient/family perspectives & choices. Values, beliefs & cultural backgrounds are incorporated into care
- Information Sharing Providers communicate & share complete/ unbiased information in ways that are affirming and useful. Patients and families receive timely, complete, and accurate information
- Participation Patients & families are encouraged & supported in decision-making at the level they choose
- Collaboration Patients & families collaborate in policy & program development, care delivery design, implementation, & education

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ABOUT GROUP HEALTH...

- Integrated healthcare insurance& delivery system
- Revenues (2013): \$3 billion
- ~ 600,000 patients & 10,000 staff

Multispecialty group practice

- ~1,000 physicians
- 26 primary care
- 6 specialty units

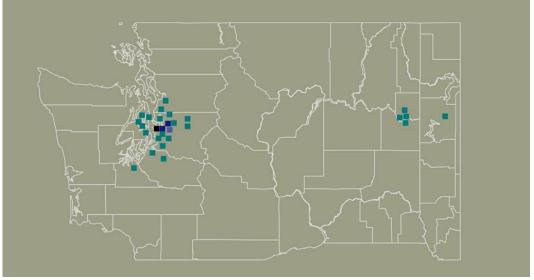
Contracted network

• >9,000 providers, 39 hospitals

Group Health Research Institute

- \$48 million (2013), 60 scientists
- >250 active grants





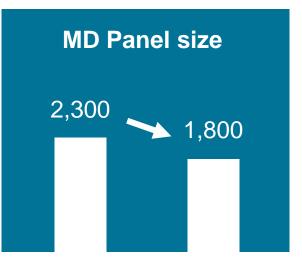
SOME HISTORY...

Primary care emphasized from origins, but by mid-2000's, infrastructure was weakening & underperforming

- Loss of efficiency with EMR implementation
- "Advanced access" brought increased visits but greater total cost of care (more ER visits, more specialty visits, more admissions)
- Decreasing quality performance
- Significant burnout with loss of staff
- Decreasing patient satisfaction

GROUP HEALTH'S MEDICAL HOME

Structural Changes:





Enhanced & colocated Teams

2 2









GROUP HEALTH'S MEDICAL HOME

4 Key Changes to Process of Care

Virtual Medicine

From: most visits are in person

To: patients can easily access by email, phone

Care Management

From: chronic care is inconsistent & reactive

To: chronic care is consistent, coordinated, and proactive

Visit Preparation

From: unprepared & reactive approach to visits

To: time maximized by efficient preparation

Outreach

From: uncoordinated, retrospective, & insufficient

To: prospective outreach on care gaps & sentinel events

GROUP HEALTH'S MEDICAL HOME

4 Key Enhancements to Practice Management

Phone Management

Phone calls are directly managed by care team with goal of "first call resolution"

Team Huddles

Every day starts with a team huddle to agree on clinical & logistic topics

Standard Management Practices

Regular rounding by clinical leaders to review process metrics & problem solve

Quality Improvement Large & small scale PDCA cycles aimed at continuous improvement





EVALUATION OF GROUP HEALTH'S MEDICAL HOME



Reid RJ et al, Health Affairs 2010;29(5):835-43 Reid RJ et al, Am J Manag Care 2009;15(9):e71-87

Medical Home Components (企)

- Year 1: 94% more emails, 12% more phone consultations, 10% fewer calls to consulting nurse, & other changes
- Year 2: Changes persisted

Patient Experience (企)

- Year 1: small, statistically significant changes in 6/7 scales including access, quality of MD interactions, care planning
- Year 2:Changes persisted in 5/7 scales

MD & Staff Burnout (₺)

- Year 1: Emotional exhaustion dropped by half at medical home with no change in controls.
- Year 2: Changes lessened but remained significant

Downstream Utilization (♣)

- Year 1: 29% fewer ER visits, 11% fewer preventable hospitalizations, 6% fewer but longer in-person visits
- Year 2: Significant changes persisted

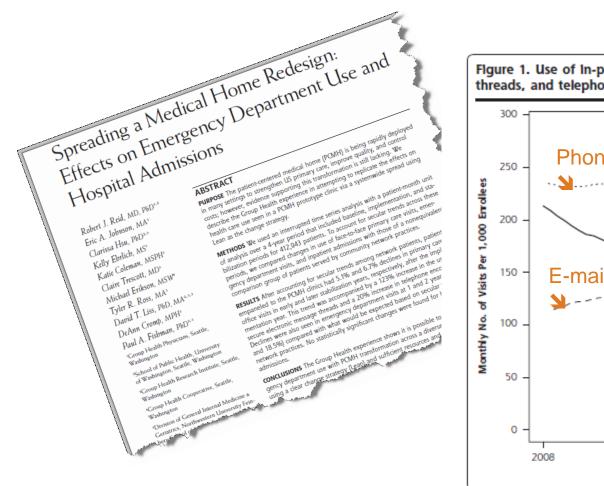
Costs (⇔ or ♣)

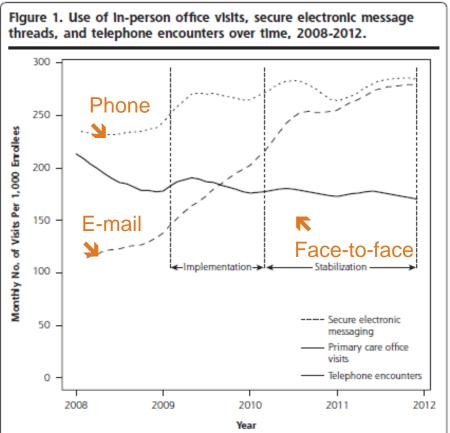
- Year 1: No significant difference in total costs between patients in prototype and control clinics
- Year 2: Lower patient care costs approached stat significance in prototype (~\$10 PMPM; p=0.08)





EVALUATING THE MEDICAL HOME SPREAD





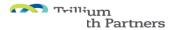
Reid RJ, Johnson EA, Hsu C, et al. Ann Fam Med 2013;11:S19-S26





Some Medical Home Learnings....

- Clinical workflows must be redesigned to accommodate shift towards "virtual care"
 - Scheduled phone visits
 - Secure messaging
 - Outreach activities
- Tasks must be distributed among team members to maximize skills and efficiencies
 - More meaningful use of medical assistants and lay health workers
 - Professional staff working to "top of licensure" (physicians, pharmacists, nurses)
 - Use patient segmentation approaches to match service intensity with risk/need
- Work interdepencies requires dedicated focus on improving team work
 - Clearer delineation as to who "is on the team" and how they work together
 - Focus improving accuracy and timeliness of interteam communication





Relational Coordination Theory

For better...



Shared goals

Shared knowledge

Mutual respect

Frequent communication

Timely communication

Problem-solving communication



Some final reflections...

- The patient voice is potent and a catalyst for change
- Information exchange is only step one; redesigning workflows to effectively use information is step two.
- Information exchange is needed between and within care teams.
- Effective team work involves informational and relational dimensions
- Patient-facing HIT technologies are a key to the future
- Clinical leadership and change management is essential





