



Patient-centered. Physician-led.



Embracing Patient Care Data
Improving Outcomes
and
Your Bottom Line
(or...Using Data & MACRA for Fun & Profit)

Jaan Sidorov MD

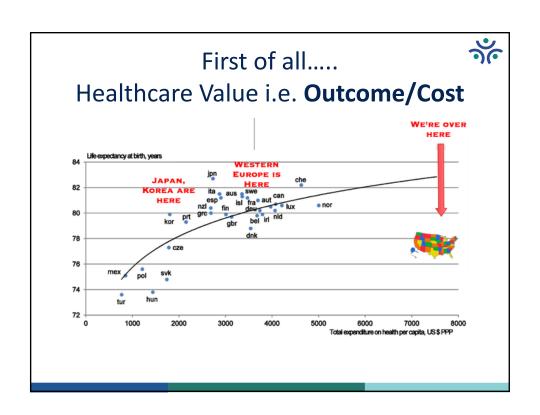
Care Centered Collaborative at the
Pennsylvania Medical Society



Using Data for Fun and Profit

Describe the:

- limits of "value-based" care in the U.S.
- · barriers to measuring quality
- role of physician leadership in microsystems
- · responses to insurer meddling
- resources required to collect, analyze and act on quality measurement
- impacts of MACRA



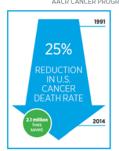


Why U.S. Healthcare Value Ain't That Bad

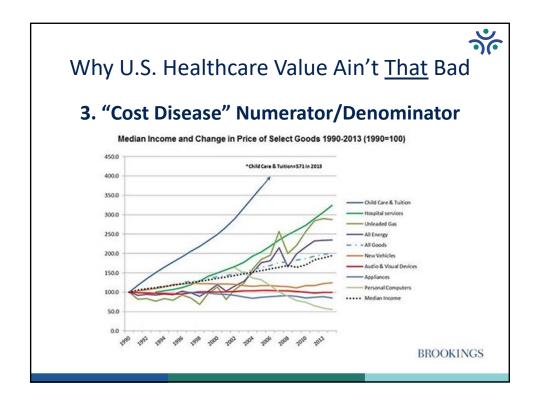
1. The "Iron Triangle"

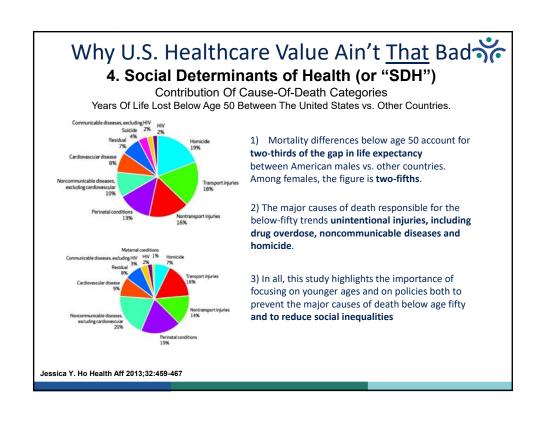
"Two Out of Three": Access vs. Cost vs. Quality







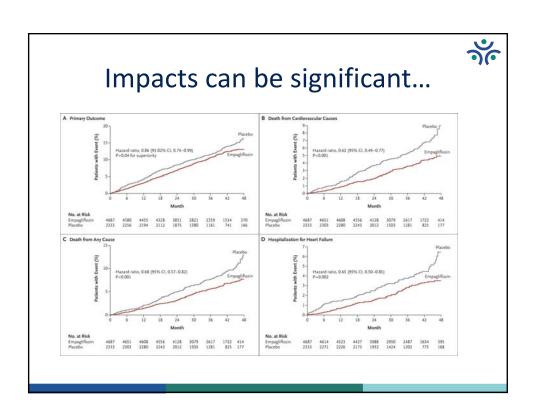






But What About Quality?







...but are more often modest...

PMC full text: J Med Internet Res. 2015 Apr; 17(4): e92.

Published online 2015 Apr 10. doi: 10.2196/jmir.4052
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Table 3

Changes in body weight and A1c of participants over time.

	Starters (4+ lessons)				Completers (9+ lessons)			
	Weight loss, % change (SE) ^a	P value	A1c, change (SE) ^a	P value	Weight loss, % change (SE) ^a	P value	A1c, change (SE) ^a	P value
16 weeks- Baseline	5.0 (0.3)	<.001	0.03 (0.06)	.55	5.2 (0.3)	<.001	0.03 (0.06)	.62
Year 1-Baseline	4.7 (0.4)	<.001	-0.38 (0.07)	<.001	4.9 (0.5)	<.001	-0.40 (0.07)	<.001
Year 2-Baseline	4.2 (0.8)	<.001	-0.43 (0.08)	<.001	4.3 (0.8)	<.001	-0.46 (0.08)	<.001
Year 2-Year 1	-0.5 (-0.4)	.25	-0.06 (0.07)	.39	-0.5 (-0.5)	.20	-0.06 (0.07)	.38

⁸Adjusted means from linear mixed models



And often don't reduce costs

21 peer reviewed articles examining the association between integration, cost and quality Am J Manag Care 2013;19(5):e175-e184

REVIEW ARTICLE

Effects of Integrated Delivery System on Cost and Quality

But....higher quality – even if modest can be achieved at the same cost

and Harold Paz, MD, MS

"The vast majority of studies we reviewed have shown that integrated delivery systems have positive effects on quality of care. Few studies linked use of an integrated delivery system to lower health service utilization. Only one study reported some small cost savings."



3 Minutes



What is the biggest barrier to assessing quality?



Other Barriers?

- Disconnected from the real world.....
- Threats to professional autonomy...
- Tool to penalize bad apples
- Lack of time....
- Lack of money....
- *Pursuing* quality measures are a function of knowledge, persuasion and decision....
- *Using* insights is a function of attitudes, beliefs and values.

Addington: Facilitators and barriers to implementing quality measurement Can Fam Physician 2010;56(12):1322 Schuster M: Measuring the cost of quality measurement. JAMA 2017;318:1219



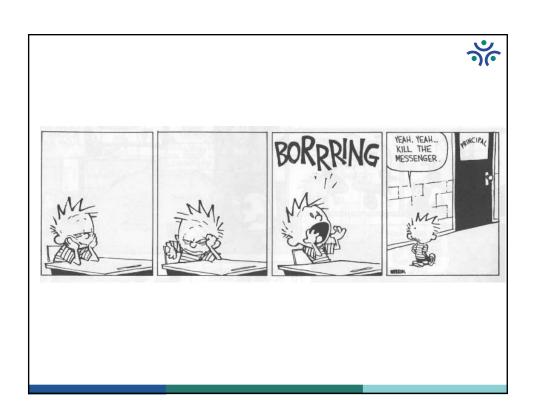
Other Barriers

Process Measures

- 1. Don't always lead to desired outcomes
- 2. Aren't always captured
- 3. Rarely are a single link to an outcome
- 4. Can lead to unintended consequences

Outcome Measures

- 1. Not always linked to medical care
- 2. Not always measurable
- 3. Not risk adjusted
- 4. Can lead to unintended consequences





Physician Support for MACRA?

Drew et al: Provider perspectives on APMs. Pop Health Manag Jan. 2017 N=242 with an interest in population health. Likert 1 (strongly disagree) - 5 (strongly agree)

Under Alternative Payment Models.....

Domain	Overall	Health System Leader	Physician Leader	Non- leader Physician	P value
changes in my practice/system have hindered its ability to provide high-quality care.	3.00 (1.19)	2.61 (1.05)	3.16 (1.26)	3.27 (1.12)	P<.05
I feel more professionally satisfied.	2.69 (1.13)	3.11 (0.89)	2.46 (1.23)	2.54 (1.10)	P<.05
my practice/system has hired new staff to manage patients effectively	3.41 (1.39)	4.05 (1.14)	3.20 (1.39)	2.83 (1.40)	0.001
Attitudes Toward Alternative Payment Models (AAPM) Scale	3.05 (0.52)	3.28 (0.42)	2.91 (0.57)	2.95 (0.47)	0.003

http://online.liebertpub.com/doi/full/10.1089/pop.2016.0128



Local Physician Leadership "Clinical Microsystems"



- Collective goals & actions at the work unit
- 2. Evidence-based vs. patient centered care
- 3. Monitor performance
- 4. Improve performance

Contrary to teaming No....

- formal authority
- · protected time
- training
- mentorship
- institutional support

Bohmer RMJ: Leading clinicians and clinicians leading. NEJM 2013;368:1468

Local Physician Leadership The "SPAM-R" Approach to Measurement

- Is it Simple?
- Can it be Piloted (and changed)?
- Will it be Accepted (and is locally relevant)?
- Is there *Merit*? (buy in)?
- If so, will the Resources be Committed?

Berwick: Disseminating innovations in healthcare. JAMA 2003;289(15):1969



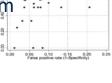
Insurer Meddling?

Inaccurate lists

Yes, and all tests have false positives/negatives

Alert Fatigue

- Yes, and you can outsource to team
- Substitutive, not Additive work
- "Not my patient!"
- there's no doc-patient relationship Lacks Scientific Excellence.....





Scientific Evidence

The TIRESOME ENGLAND JOURNAL of MEDICINE

JULY 26, 2017

Less-Than-Pristine Data Analytics Associated with the Premature Death of Kittens in Pennsylvania.

Dawn Believit, M.D., M.P.H., Max Bias, M.D., M.P.H., Dresden Blinders, Ph.D., Ivory Tower, M.D., Mind Madeup, M.D., Wanda Morestats, M.D., M.P.H., Jimmy DaNumbers, M.D., Cantu Proveit, M.D., M.P.H., Ima Academe, M.D., Tzume Enkissmybutt, M.D., M.P.H., Shant Lookagain, M.D., Fetch Moredata, M.D., Vera Skeptical, M.D., Ima Peacock, M.D., for the PREORDAINED-II Investigators

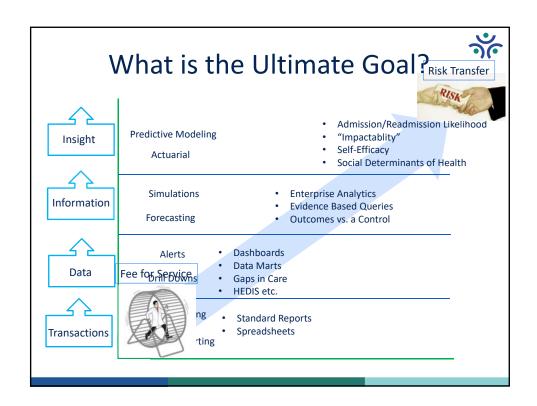
ABSTRACT

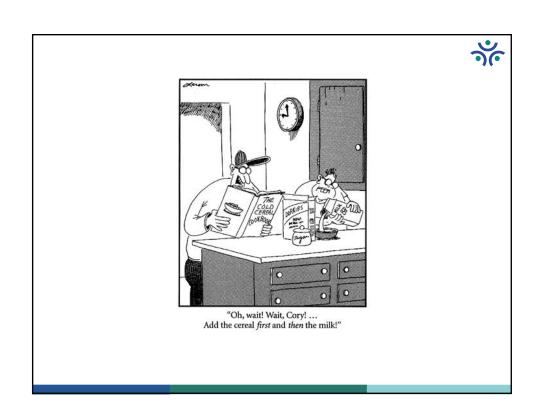
It is unclear if physician-led investigation of local outcomes is ineffective or evil in the care of outpatients. Some studies suggest this approach leads to an inordinately high rate of baby feline expirations.

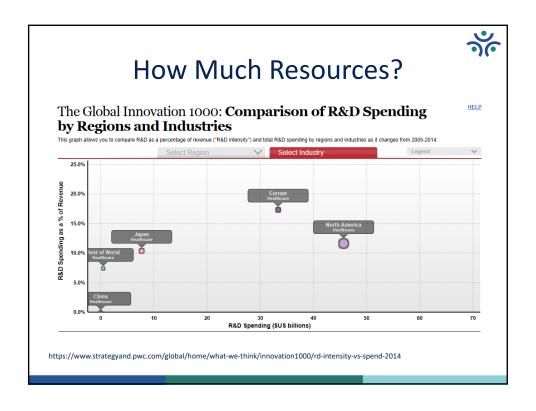
METHODS

In this study, we non-randomly selected studies from journals only we read and performed an analysis of the data using criteria that have no meaning to anyone who actually, takes care of patients in the real world. We assigned ourselves to looking at the studies and when we were done, we made sure our impression fit a preordained conclusion.

the Appendix. Address reprint requests to Dr. Believit at Massachusetts Monopoly Hos Whip the Numbers Departmen











Hawthorne Effect

- Often unconscious behavioral changes due to an awareness of being observed, plus
- Compliance with the wishes of the observers





Directionality

A (clinical) tide raises all (measurement) boats Direct.... and Indirect.

"Cervical Cancer Screening"

- Denominator: all women 21-64 years of age
- Numerator: screened every 3 years

"Mammogram Reminders"

- Denominator: all patients with a mammogram
- Numerator: entered into a reminder system

The results will vary by payor, clinic or analyst, but ALL should improve over baseline.



Then What? Patient Enrollment



- Recruitment that uses incentives, is culturally appropriate via multiple channels, including mail, telephony and social media.
- Data are stored in Registries: multisourced repositories of formatted data
 - Easy extraction and manipulation of individual or grouped information including demographic, insurance claims, survey, clinical and other data.
- Challenges: recruitment rates typically run 5-15% thanks to limited patient incentives and lack of physician buy-in, time and compensation of work effort.



Then What? Education/Intervention



- Old: print materials, one-on-one face-toface and telephonic instruction
- New: education that leverages behavior change using psychological principles of recruitment, engagement, assessment of barriers, formulation of strategies to overcome barriers, goal setting, coaching, support and follow-up.
- Includes "texting," variations of email and social media such as Facebook.
- Challenges: disconnected from the electronic health record and physician input

Then What? Non-Physician Involvement





- Collaborative assessment, planning, facilitation and advocacy for care options and services to meet an individual's health needs through communication and available resources to promote quality costeffective outcomes
- Provides education, promotes informed decision making, develops a care plan that coordinates insurance benefit designs, psychosocial issues, input of family, community resources and the physicians' judgment.
- Associated with greater frequency of self care, control of lifestyle behaviors, problem solving, medication compliance and improved outcomes
 - Facilitate patient enrollment
 - Advocate on behalf of the intelligent adoption of guidelines
- Collaborate & Integrate providers



3 Minutes



What Quality Measures are your Best Opportunity?





Public Law 114-10 114th Congress

An Act

To amend title XVIII of the Social Security Act to repeal the Medicare sustainable growth rate and strengthen Medicare access by improving physician payments and making other improvements, to reauthorize the Children's Health Insurance Program, and for other purposes. <<NOTE: Apr. 16, 2015 - [H.R. 2]>>

Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled, <<NOTE: Medicare Access and CHIP Reauthorization Act of 2015. 42 USC 1305 note.>> SECTION 1. SHORT TITLE; TABLE OF CONTENTS.

(a) Short Title.--This Act may be cited as the `Medicare Access and CHIP Reauthorization Act of 2015''.(b) Table of Contents.--The table of contents of this Act is as follows:

Sec. 1. Short title; table of contents.

TITLE I--SGR REPEAL AND MEDICARE PROVIDER PAYMENT MODERNIZATION



Passed the House on March 26, 2015 (392–37) Passed the Senate on April 14, 2015 (92–8) Signed into law by President Barack Obama on April 16, 2015



January 25, 2017

The Honorable Donald J. Trump President of the United States The White House 1600 Pennsylvania Avenue, N.W. Washington, D.C. 20500 The Honorable Michael R. Pence Vice President of the United States The White House 1600 Pennsylvania Avenue, N.W. Washington, D.C. 20500

Dear Mr. President and Mr. Vice President:

On behalf of the nation's leading clinicians, employers, hospitals, biopharmaceutical companies, pharmacists, patients, consumer groups and insurance providers, we are writing to underscore our commitment to advancing the highest quality, most cost-effective healthcare system in the world. We call upon Congress and the Trump Administration to help us achieve this goal.

This work has been spurred by nearly two decades of bipartisan leadership and was most recently accelerated by this Congress' overwhelming passage of the Medicare Access and CHIP Reauthorization Act (MACRA). Through private and public sector alignment, the move toward value-based care is succeeding, measurably improving healthcare quality and contributing to historically low costs. Now is not the time for policymakers to signal a shift away from value-based care, either through action or inaction.

We, the undersigned, strongly support this movement and are committed to working with Congress and the Trump Administration to build the next generation of healthcare policy. As you take up the mantle of addressing the challenge of improving quality while safely reducing costs, we strongly urge you to continue focusing on driving value-based, patient-centered payment models that incent healthcare innovation. Together, we share a vision for a modernized.

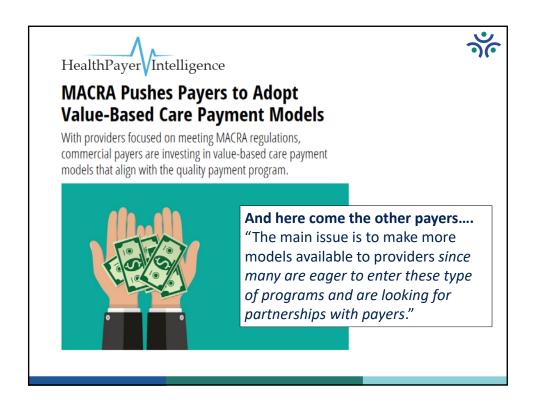


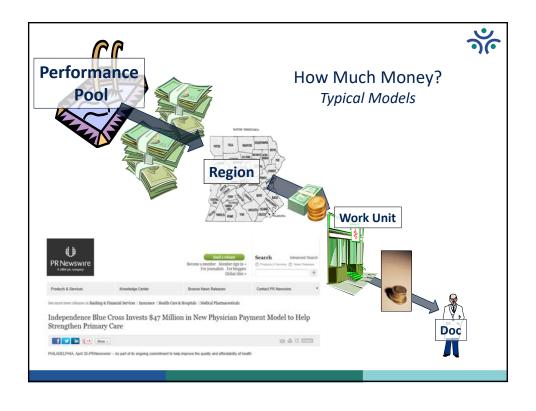
Linking Dollars to Quality

MIPS Performance Years, Payment Years and Adjustments, and Category Weighting								
Performance	Payment Year	Payment Adjustments	MIPS Category Welghting					
Year			Quality	Cost	ACI	CPIA		
2017	2019	+/- 4%	60%	0%	25%	15%		
2018	2020	+/- 5%	50%	10%	25%	15%		
2019	2021	+/- 7%	30%	30%	25%	15%		
2020	2022	+/- 9%	30%	30%	25%	15%		

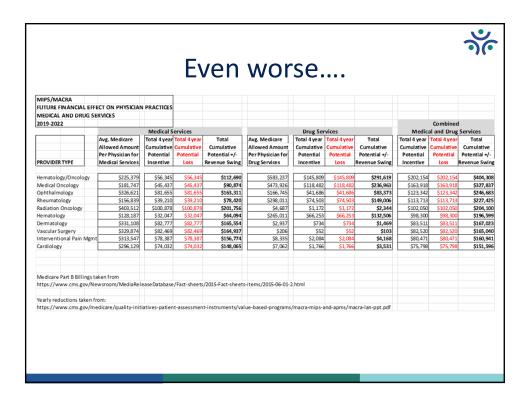
Quality: Report at least six quality measures: 60 points **ACI and CPIA** are based on "Attestation"

ACI: Protecting PHI, ePrescribing, health information exchange etc.....
CPIA: Full credit for NCQA, URAC or other Patient Centered Medical Home
(PCMH); there are other improvement activities....



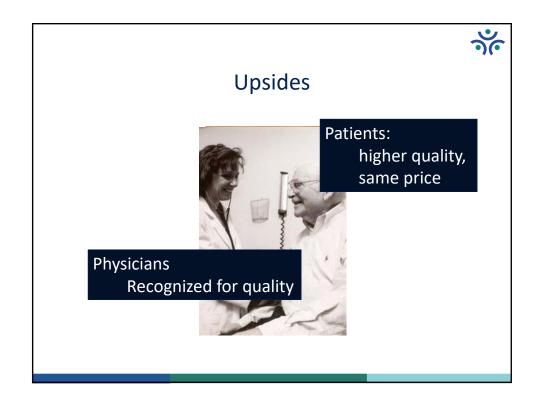


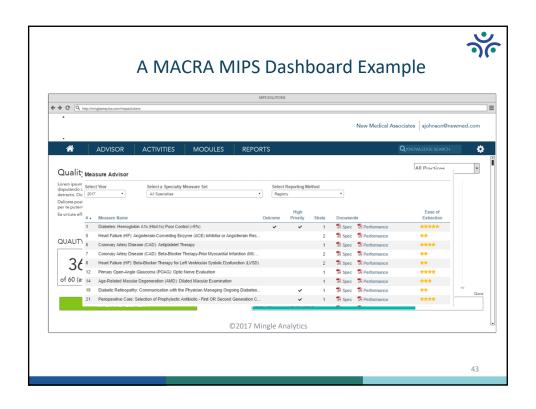


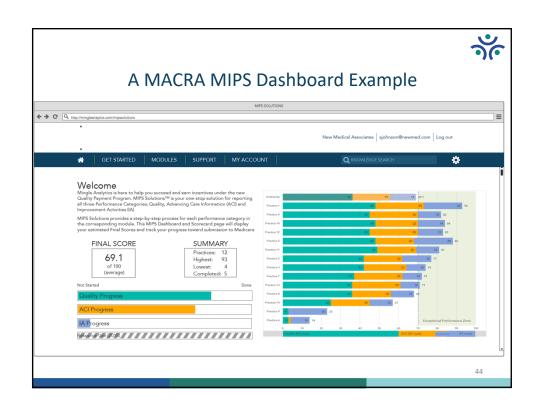


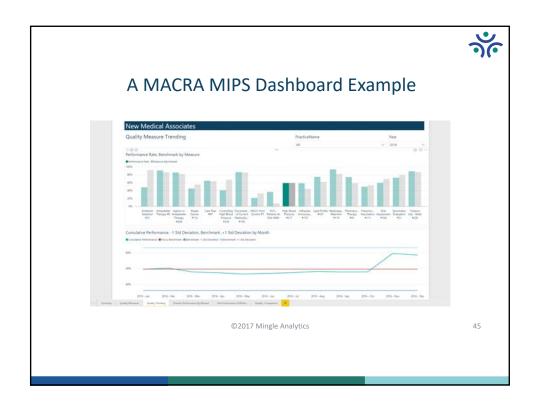


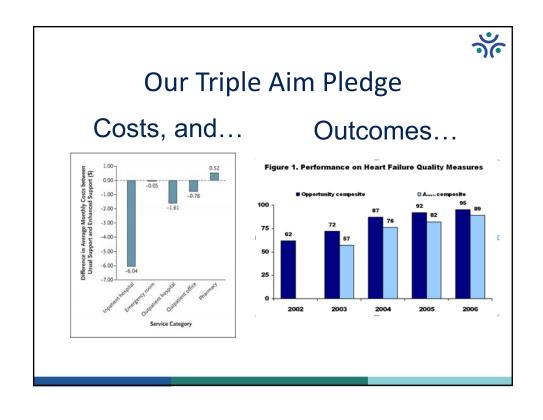
Some MACRA Upsides?

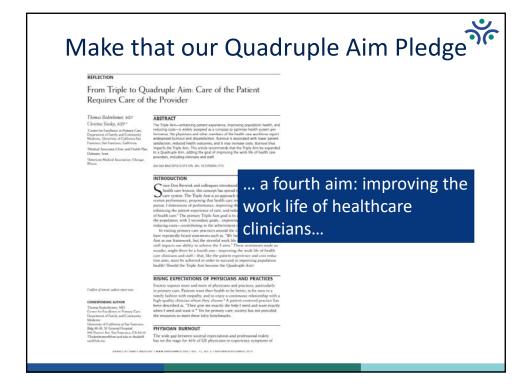












In Conclusion



- "Administrative Time"
- Substitutive Work
- One OA assigned part time to patient record reviews
- 0.5 day/week for summary data reviews and enrollment updates
- Overhead flexed to value-based payments



Using Data for Fun and Profit

Describe the:

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- impacts of MACRA