

Primum Non Nocere: First Do No Harm

Heidi Meyer, M.D.Diplomate, American Board of Integrative Holistic Medicine

Integrative Holistic Medicine Integrative Family Medicine SCPMG San Diego



Primum Non Nocere: First Do No Harm

Nothing to disclose

Goals: participants will be able	
To understand the players involved in the American Healthcare system	
To understand forces that affect the daily practice of medicine in America, and YOUR practice of medicine	
To understand the extent of mood disorders and suicide in the medical profession	
4. To be able to begin a personal journey towards full understanding of our health system, with the goal of affecting positive change for both providers and patients	
CME OBJECTIVES: Translate successfully established tools and skills in integrative medicine into clinical care and achieve a high level of pt satisfaction	
Optimize health, quality of life and clinical outcomes through personalized	
evidence-based clinical care (use of shared decision making) Physician WELINESS MAISER PERMANENTE.	
A Thought Experiment	
What if I asked you to invest in a business	
-	
Physician Wellness Maiser Permanente.	
Strange Times	
Perhaps the most volatile Likely the best in terms of	
health care system in the world "very sick" (tertiary) care	
 The most complex in terms of payment and care delivery Perhaps the worst in terms of care equity (social justice) 	
The most expensive Losing providers to early retirement, burnout,	
impairment, and suicide at	
alarming rates	
Physician May rates promaneurs	

"Health systems thus have three fundamental objectives.

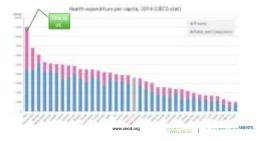
These are:

- improving the health of the population they serve;
- responding to people's expectations;
- providing financial protection against the costs of ill-health."

WHO World Health Report, 2000 Physician Neclines | Maiser Permanente.



The Most Expensive System on Earth..

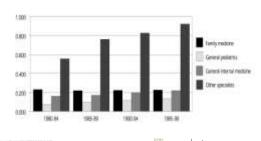


...with average outcomes overall

How did we get here?		
1010: The Flavour Papart	Creation of anguinities in the	
1910: The Flexner Report —embraces the all- science mode of German	Creation of specialties in the 1930-70's as technology explodes:	
medical education.	 1942 — first penicillin treatment. 	
"The Flexner model remains in place, the foundation of the	■ 1957 — Salk polio vaccine.	
magnificent edifice that is American medicine." Dr. Thomas P. Duffy, The Flexner Report, 00 Years Late, 2011	1971 — First CT scan.1977 — First MRI performed.	
Years Later, 2011 2		
	Physician Kaiser Permanente. WELLNESS	
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Half of what we do may	be wrong.	
	ed Clinical Evidence, <u>81 completed a review</u> roject found that slightly more than a third of	
· · · · · · · · · · · · · · · · · · ·	likely to be effective; 15% are harmful,	
are of unknown effectiveness."	e-off between benefits and harms; and 50%	
http://www.traquelitespressedings.org/article/fettitle-d	Physician WELLNESS KAISER PERMANENTE	
		-
The Set Up		
A medical school system	with a top-down curriculum	
 A post-graduate training of education is provided in to 	culture where most of our ertiary care centers	
And 80% of it's graduates	s continue to work in those	
centers, where less than	5% of all medical care occurs	
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The most telling graphic in American medicine	
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map://www.magm.rug.dou/por/10.1/doc/nrtcu/nt20/1/doc/s442011 /WELLNESS	
"I learned a lot of things in medical school, but mortality wasn't one of them."	
-Atul Gawande, Being Mortal	
Physician Wellness Maiser permanente.	
The Set Up	
helps a minority of patients to "ratings" and patient-driven Direct-to-consumer marketing medicine	
Lack of pricing transparency No risk to NOT participate in Payment system rewards care of the sick, procedures and devices	
the risk pool * Low number of PCP's whose income is often a fraction of	
the specialists that far outnumber them	

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What determines physician payment in the U.S?

- The resource based relative value scale (with Medicare conversion factors)
- The RUC (a group of 29 physicians appointed by the AMA who meed 3 times a year and decide how much each code should be paid)
- Medicare (whose fee system is essentially accepted from the RUC, and is then copied by private insurers as the minimum billable for a code)
- Congress

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		Mindrespo.com	Physician WELLNESS	KAISER PERMANENTE

The Set Up

Who gets to be a doctor?

- Those who do extremely well on standardized testing
- High GPA
- Likely to have a physician as a parent
- Unlikely to grow up in an underserved environment and unlikely to practice in one



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The Set Up

What are these people like?

- They carry traits that make them more vulnerable to depression (neuroticism, conscientiousness) and make suffer from it at a rate 3 times the general population
- Not familiar with failure
- Variable emotional intelligence



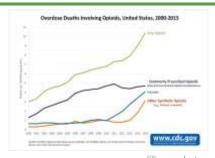
The Set Up What kind of doctors are these people likely to become?	Specialists who deal with a limited number of complex issues that do not need to consider the larger picture Average, or perhaps, worse communicators Depressed and burnt-out Surrounded by failure, a broken system, increasing demands, they are likely to become disillusioned	
The Set Up What kind of medicine will they practice?	Burn-out may be responsible for up to 1/3 of all medical errors In a search for "work-life balance", they will do LESS medicine They will seek out other practice styles that affords them more control As burn-out increases, emotional detachment increases→ "bedside manner"	
	Physician Wellness Kaiser Permanente	
		ı
Could it be, we complete	our training with a very specific toolbox,	
but somehow believe it	is the best toolbox in the world???	
What if we realized we an when we need dozens?	re fighting the battle with one weapon,	

"Diagnosis is simply another form of judgement."	
Rachel Naomi Remen, <u>Kitchen Table Wisdom</u>	
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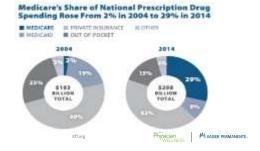
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http://www.nature.com/news/p person-trials	ersonalized-medicine-time-for-one- is-1.17411#/b1	
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FI	Language and the language BBI and	
The most recent o	bservational study on PPI use:	
 "After adjustment for age, 	, sex, atrial fibrillation, hypertension, diabetes, heart	
failure, peptic ulcer, cance	er, chronic kidney disease, and use of nonsteroidal current use of a PPI was associated with a 20%	
increased risk for stroke, confidence interval [CI], 1	with an incidence rate ratio (IRR) of 1.19 (95%	
confidence interval [Ci], 1	1.14 - 1.24, P < .000 <i>1).</i>	
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http://www.meds 24	kajev, 2 Physician Physician Wellness Kalser Permanente.	
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Number of PPI Rx	FIIIS IN KP SCAL	
YEAR	DISTINCT FILLS OF PPIs	
2017 2016	128,251 240,169	
2015	212,748	
2014 2013	197,172 179,526	
2013	179,526 162,818	
2011	144,900	

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Physician Physic	
"Nearly 2 decades ago, we were encouraged to be more aggressive about treating pain, often without enough training and support to do so safely. This	
treating pain, often without enough training and support to do so safely. This coincided with heavy marketing of opioids to doctorsThe results have been devastating."	
-Dr. Vivek H. Murthy, U.S. Surgeon General, August 2016	
NPMA.	
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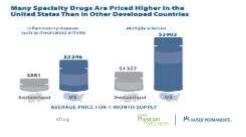


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Rising Drug Costs



U.S. pricing-all the market will bear



The Biggest Industry on Earth: Pharma

Industry	Net Margin In 2016
Pharma: Generic	30%
Investment Managers	29.1%
Tobacco	27.2%
Pharmamajor	25.5%
Internet Software/Services	25%
Blotechnology	24.6%
Savings Banks	24%
II Services	25%
Regional Banks	23%
Major Banks	22.9%

Forbes.com

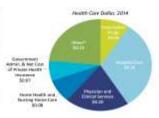
Physician KAISER PERMANENTE:

Pharma: for profit, publically traded



Pharma: powerful lobbying





Pharma: buying votes

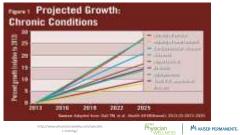


Opensecrets.org

Pharma: buying votes Lobbying Totals, 1998-2015

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Why are our patients getting ill?

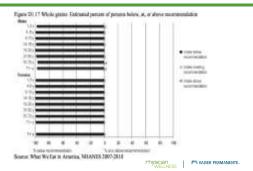


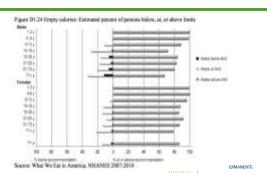
Do We Know How to Stay Well?

- 7 of the top 10 leading causes of death in the United States are due to chronic diseases
- Not eating a healthy diet or getting enough physical activity increases a person's chance of having a chronic disease
- The United States spends \$147 billion on obesity-related health care costs each year
- The United States spends \$117 billion on health care costs associated with inadequate physical activity each year.

cuc.gov

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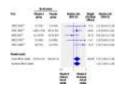




We Don't Study Nutrition Well

A side note: how to critically interpret studies on vitamins/minerals

- Meta-analysis, included 9 trials, 5 of which examined hemorrhagic stroke
- Baseline vitamin E levels never obtained
- Dose ranged from 111-800IU of vit E
- RDA: 30-50IU, the amount in a typical MVI
- This is 2-16 times higher the RDA
- · Cited in 42 other papers in PubMed



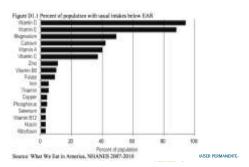
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Got Vitamin E?

- To get your RDA of vitamin E (30 IUs) you could eat:
 - √5 cups of canned tomato sauce OR
 - √4 cups cooked spinach OR
 - √18 cooked eggs OR
 - √13 oz tofu OR
 - √6 tbs sunflower seeds OR
 - √5 tbs almond butter

Dr. Tierona Low Dog, <u>Fortify</u> <u>Your Life</u>, 2016

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Nutrition deficiencies in the U.S. population	
Warner (#403 to 1986)	
### ### ### ### ### ### #### #########	
Vitamin C(16 y) 8 Partition indicates were	
Witness A (19 y) (III) Section	
Percent of people with nutrition deficiencies [N]	
RESPLEJ HOWARD COLUMN C	
We don't have good methods to determine nutrition	
levels	
"Despite NHANES 2001–2002 dietary intake data demonstrating that 93% of	
the U.S. population consumed less than the Estimated Average Requirement	
(EAR) for vitamin E, for decades mean serum vitamin E concentrations have remained consistently adequate, with less than 1% of the population vitamin	
E deficient."	
https://www.col.gov/markforregor/pdf/sit.pdf	
So what do we have so far?	
 A cadre of doctors who have all the right traits to make them highly 	
specialized—and depressed, average communicators, working in an	
opaque, fractured system driven by high cost pharmaceutical meds, short patient visits, and most work in places only about 1% of our patients will ever	
need	
Those doctors also eat poorly, exercise little, and are getting more obese—	
just like their patients!	
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What will happen to these people?

- They will suffer depression at twice the national rate
- Up to 80% will endorse burnout within the first year of residency
- The men in this profession will suicide at twice the national rate
- The women in this profession will have an 80% success rate for suicide, equivalent to the average American male
- Which will give them a suicide rate up to FOUR times that of the average American



Suicide is one of the leading causes of death in our profession



Suicide rate in male physicians is 1.41 times greater than for age-matched males in the general population

Schemhammer E, Colditz G, Am J Psych, 2004



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The Silent Epidemic

"although physicians globally have a lower mortality risk from cancer and heart disease relative to the general population (presumably related to knowledge of self care and access to early diagnosis), they have a significantly higher risk of dying from suicide, the end stage of an eminently treatable disease process. Perhaps even more alarming is that, after accidents, suicide is the most common cause of death among medical students"



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We	Harm	Ourse	lves

 The most reliable estimates of successful completion of suicide range from 1.4-2.3 times the rate achieved in the general population. Although female physicians attempt suicide far less often than their counterparts in the general population, their completion rate equals that of male physicians and, thus, far $\,$ exceeds that of the general population (2.5-4 times the rate by some estimates).





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We do not see things as they are. We see things as we are. - -The Talmud



Use of Integrative Medicine by our Patients	
About 1/2 of U.S. adults use integrative therapies	
 Most common modality: supplements Over \$30B/year is spent on "alternative" therapies or supplements 	
Most common reason: pain	
Most common supplement: fish oil Most common manipulative therapy: chirapyactic	
Most common manipulative therapy: chiropractic	
https://nccill.nih.gov/research/s tatistics/NHIS/2012/key-findings SOMO Physician VELLNESS A KAISER PERMANENTE.	
First, Do No Harm	
We are failing at keeping out oath, both to our patients and ourselves We have failed to exist all years and participated by a second of the	
 We have failed to critically and continuously examine a system that is breaking down 	
We have failed to educate the public about the system's failings	
 Outside forces, like big pharm, are driving the system, not us 	
gpus I	
Physician Majer Permanente.	
First, Do No Harm	
Saving America's doctors, and the system in which they treat Americans,	
requires a radical, bottom-up culture shift	
It requires all the qualities doctors typically do not have	
 It requires we select medical students and educate them is a drastically different way 	
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First, Do No Harm	-
It requires a re-wiring of the expectations of the primary care physician and	
specialist	
 It requires aligning the time and money given to primary care physicians to actually reflect the level of care they provide and the amount of value they create in the system 	
All this has to be done in the political arena	
Physician Wellness **A Kaiser Permanente.**	
What We Know	
Resilience, a learnable skill, fights off burnout	
 Models of care that leverage teams may fix both burnout and improve care of 	
chronic disease	
 As doctors, en bloc, we or societies that represent us, have insidiously contributed to a culture where profit comes before care 	
 As doctors, we are, for the most part, oblivious to how they system we operate in, actually works 	
Frustration often comes from ignorance	
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"See, I have set before you this day the choice; good and evil, the blessing and the curse, life and death. Therefore, choose life!"	
-Deuteronomy	
ggwa	
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	"It is never to late to be what you might have been	u"	
	Anais Nin		
		Physician M Kaiser Permanente. WELLNESS	
	Sources		
	Atul Gawande, Being Mortal		
	 Ted Epperly, <u>Fractured</u> Elizabeth Rosenthal, <u>An American Sickness</u> Rachel Naomi Remen, <u>Kitchen Table Wisdom</u> 	h Rosenthal, An American Sickness	
	 Jameson Jones, <u>First, Heal Thyself</u> Andrew Weil, <u>Why Our Health Matters</u> 		
	 Marcia Angell, <u>The Truth About Drug Companies</u> Cdc.gov Graham-center.org 		
	Nih.govMedscape.com		
		Physician Kaiser Permanente	
	Sources		
http://www.pbs.org/newshour/rundown/the-real-story-behind-the-worlds-first-antibiotic/ http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3178858/ https://www.wsj.com/articles/SB10001424052748704657304575540440173772			
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