

Disclosures



Medical Editor at Elsevier Medical Publishing

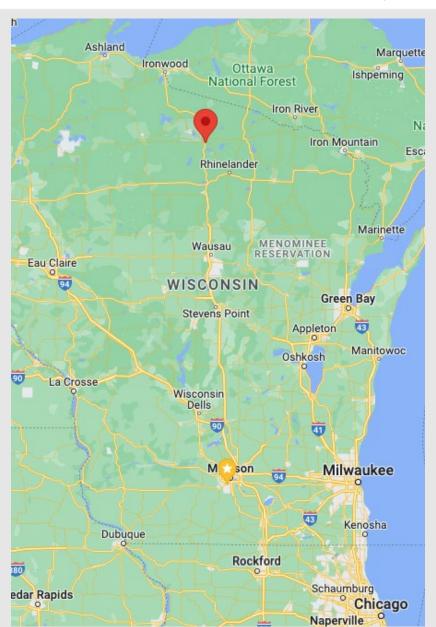
- Co-Editor: Textbook of Family Medicine
- Co-Editor: Current Therapy
- Co-Editor: Integrative Medicine
- Editor in Chief: Primary Care Practice Update

no relevant conflicts to this presentation

Kate Newcomb MD. Woodruff, WI





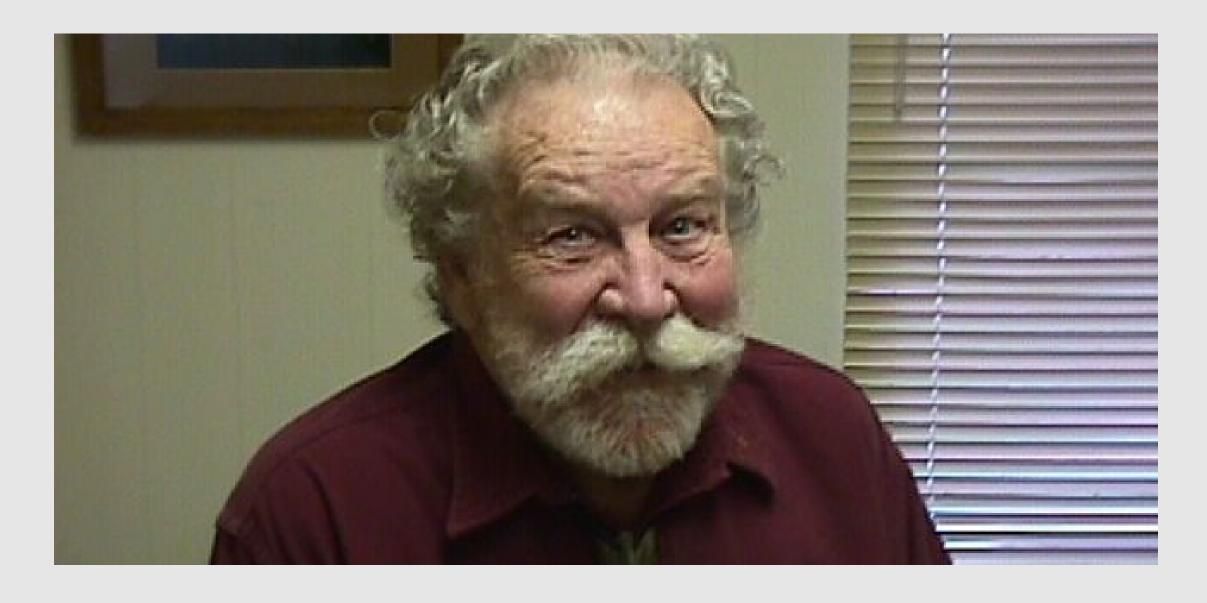


That to which we give attention grows

"The dream of reason did not take power into account"
-Paul Starr

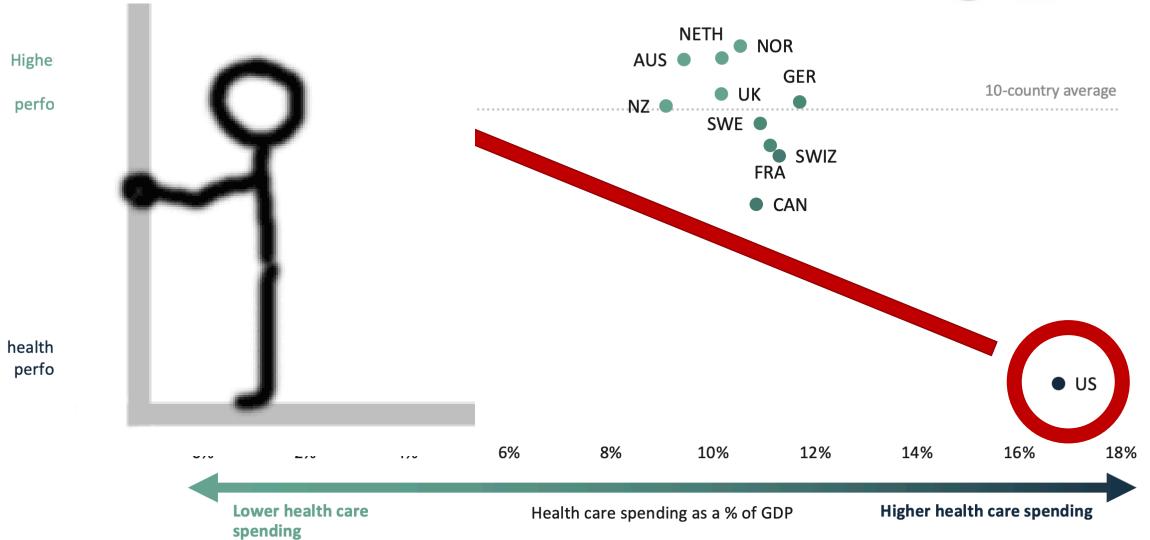
Gizmo





Health Care System Performance Compared to Spending

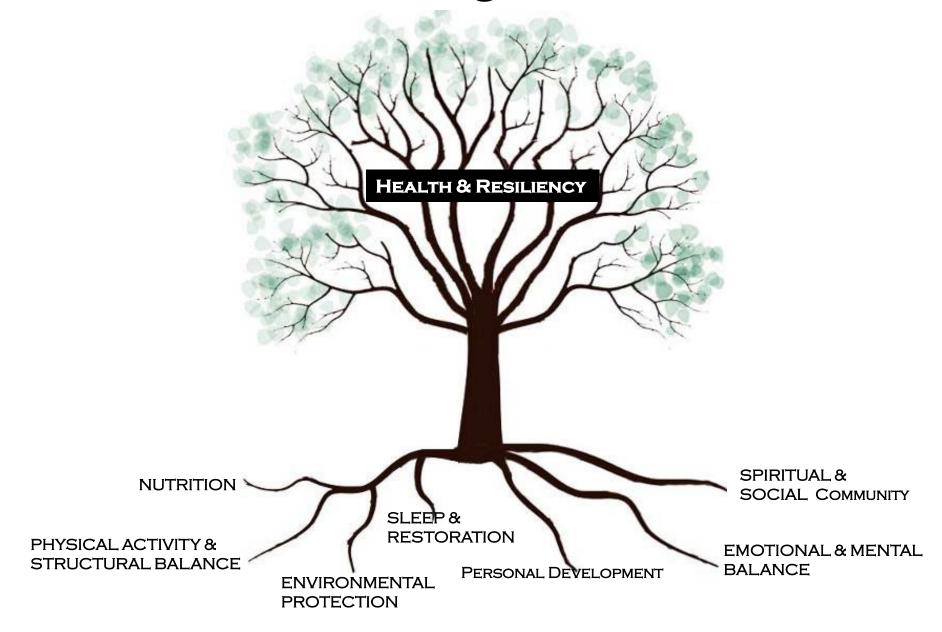


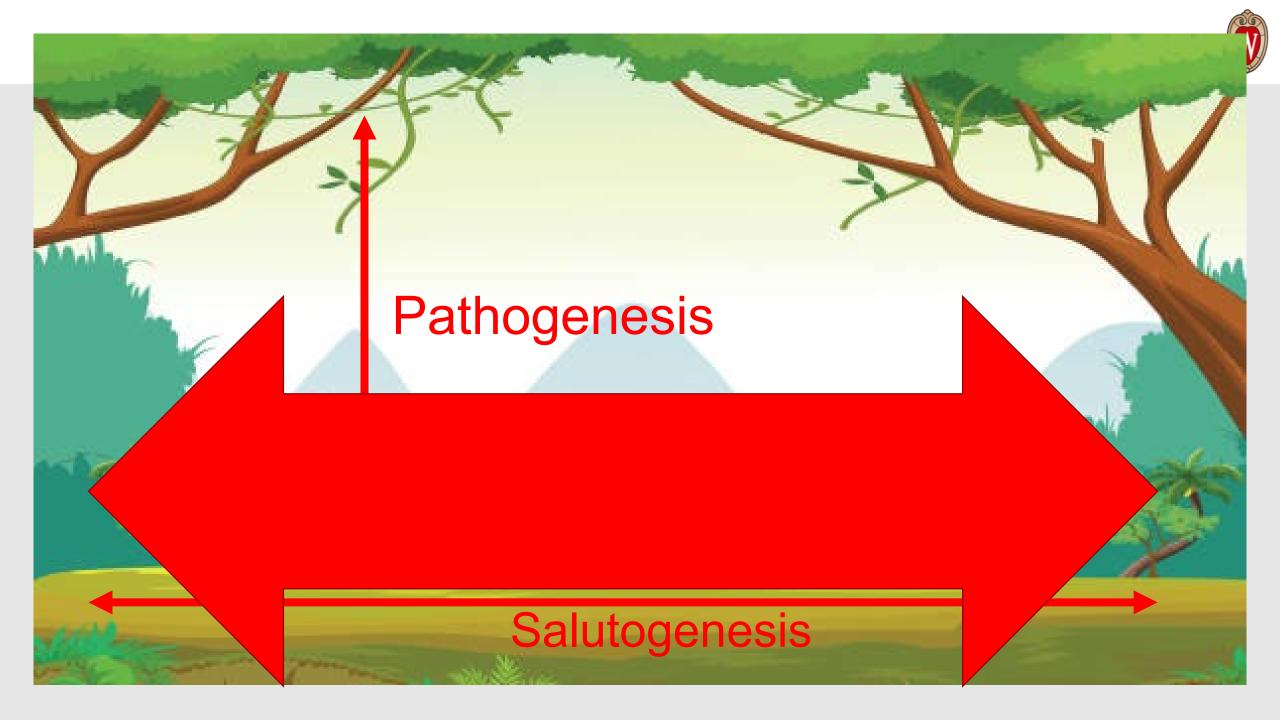


Note: Health care spending as a percent of GDP. Performance scores are based on standard deviation calculated from the 10-country average that excludes the US. See How We Conducted This Study for more detail.

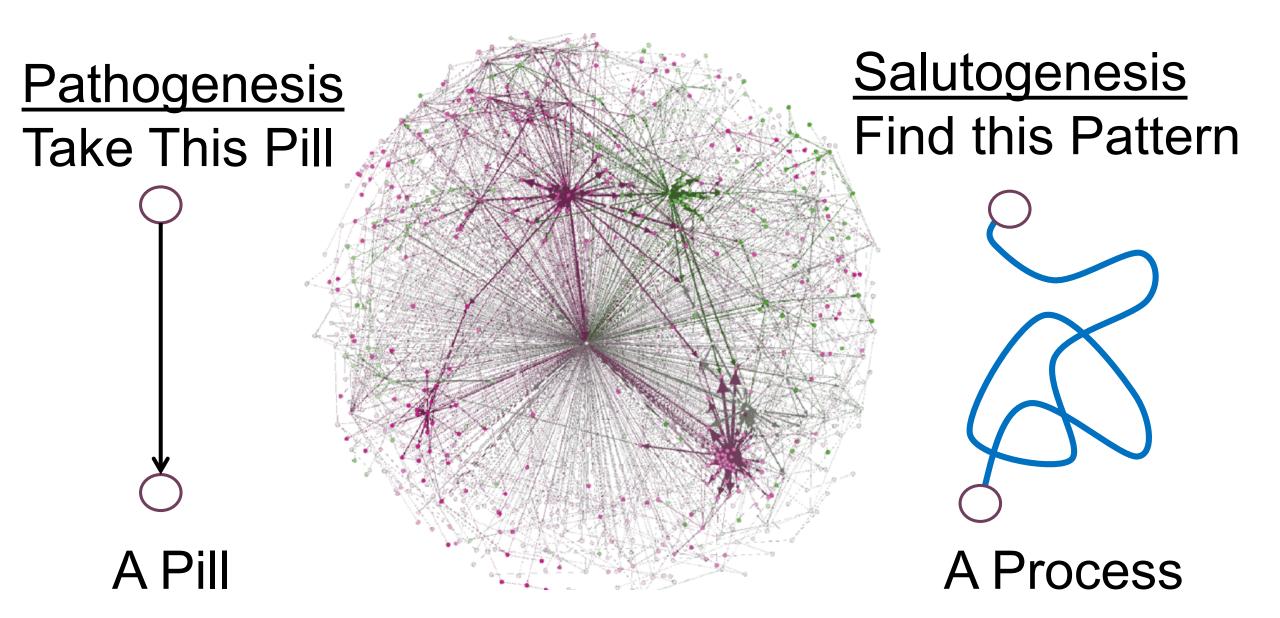
Data: Spending data are from OECD for the year 2019 (updated in July 2021).

Salutogenesis



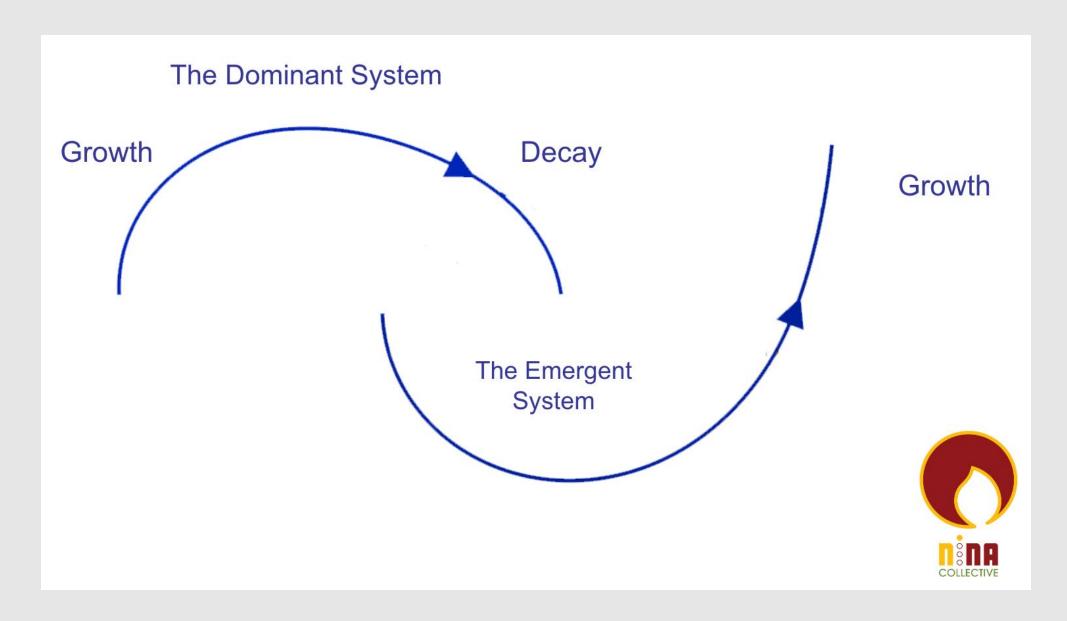


Systems Science Guides Salutogenic Science



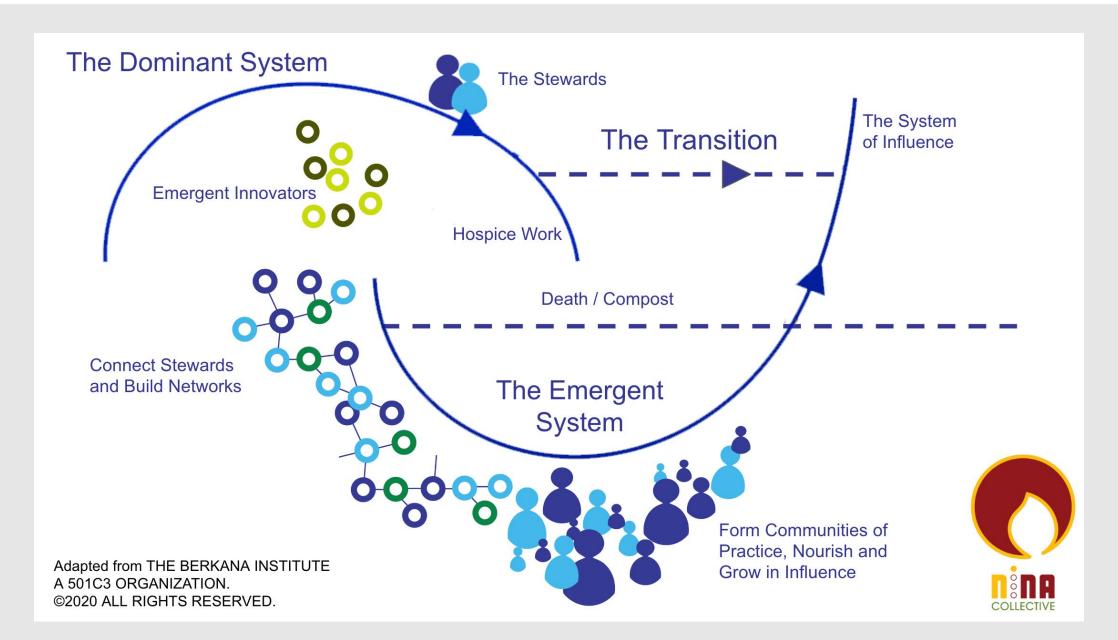
The Two Loop Model of Evolving Systems





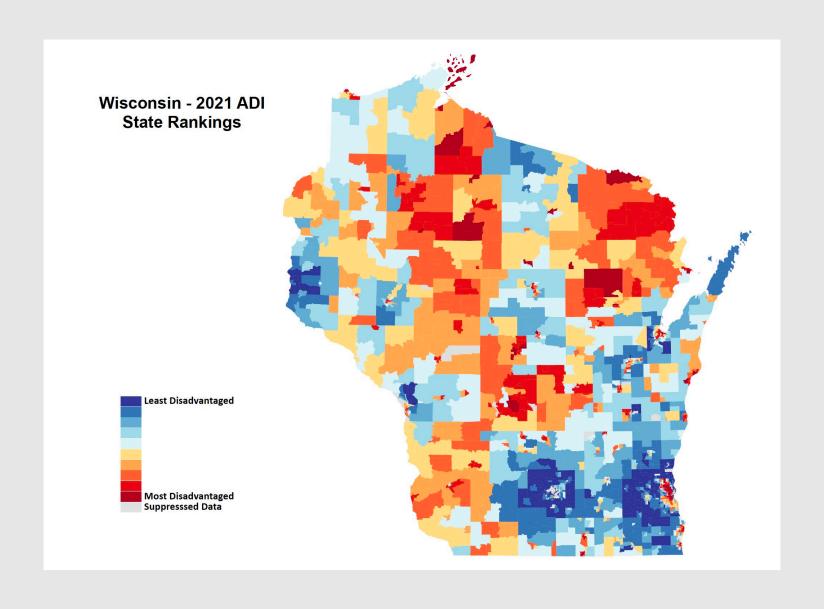
Salutogenic Science = Emergent System





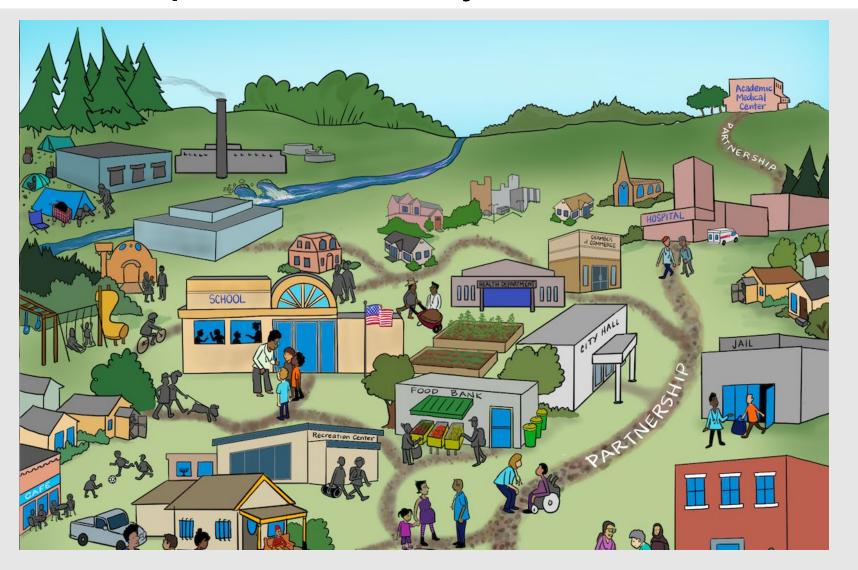
Wisconsin Area Deprivation Index





What is the optimal Primary Care Team....





that matches the needs of a unique community?



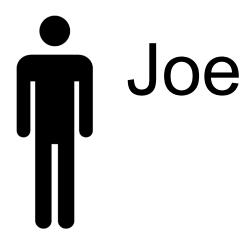
VS



Artificial Intelligence

Authentic Intelligence

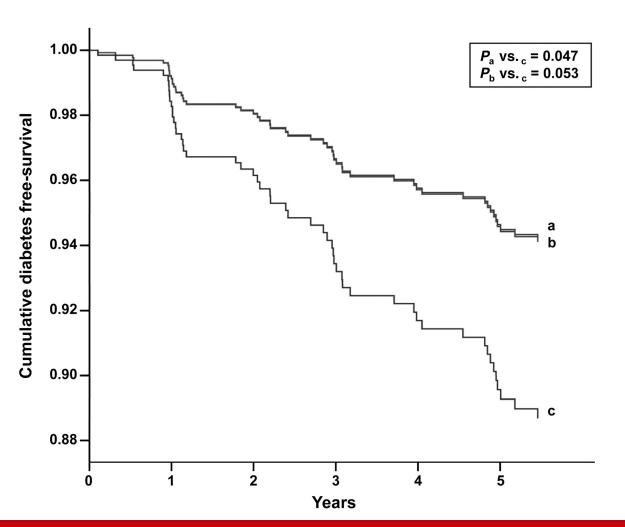
Pill or Process?



56 yo male with new onset type II DM, A1C of 7.8, TG of 287 and elevated AST and ALT

Salutogenic vs Pathogenic Intent?

Type of Food = What Mattered



52% reduction in diabetes in those with 3 risk factors.

1)Control (Low fat)

2)Med Diet (Olive Oil)

3)Med Diet (Nuts)

No calorie restriction

No weight loss

No increase in exercise

Benefits remain!!

Reduction in the incidence of type 2 diabetes with the Mediterranean diet: results of the PREDIMED-Reus nutrition intervention randomized trial. Diabetes Care. 2011 Jan;34(1):14-9. 2010

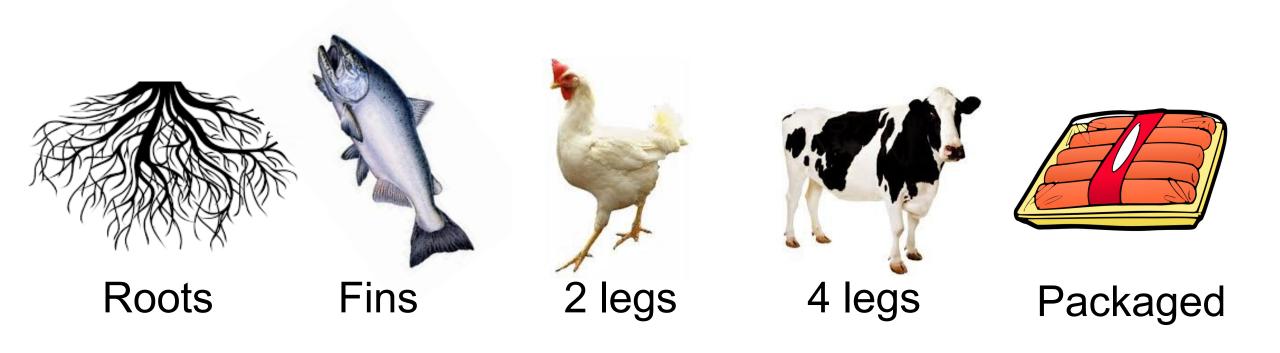
Artificial Intelligence: Wearables





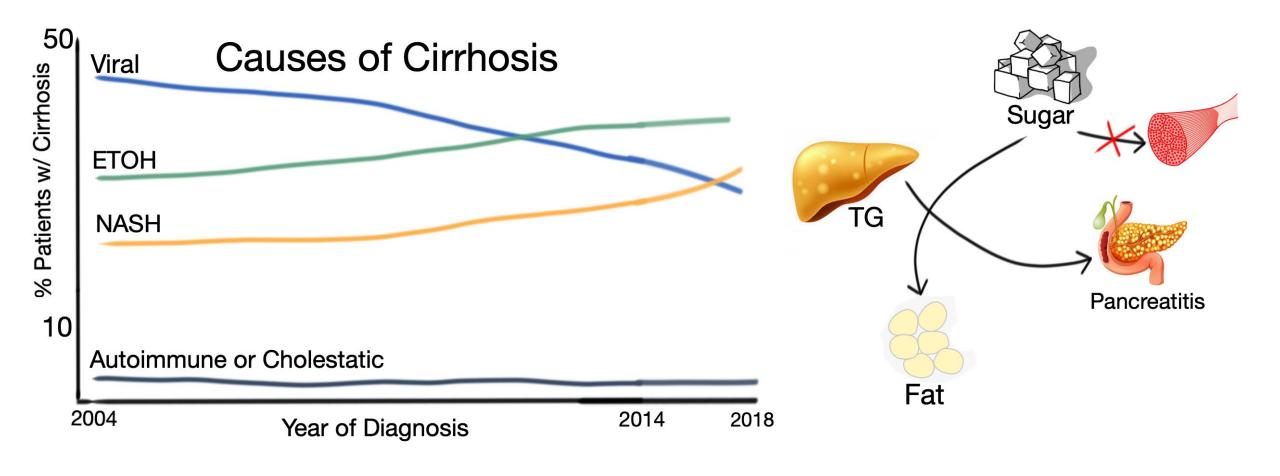
Microsensor documents amount, and types of food eaten (Tufts University)

Sources of Protein.....



Best

Moderation



Koutoukidis DA, et al. Association of Weight Loss Interventions With Changes n Biomarkers of Nonalcoholic Fatty Liver Disease: A Systematic Review and Meta-analysis. JAMA Intern Med. July 1, 2019.

Nutrition Facts

Serving Size 2/3 cup (55g) Servings Per Container About 8

Amount Per Serving	
Calories 230	Calories from Fat 72
	% Daily Value*
Total Fat 8g	12%
Saturated Fat 1g	5%
Trans Fat 0g	
Cholesterol 0mg	0%
Sodium 160mg	7 %
Total Carbohydrate	e 37g 12 %
Dietary Fiber 4g	16%
Sugars 1g	
Protein 3g	
Vitamin A	10%
Vitamin C	8%

Nutrition Facts

8 servings per container

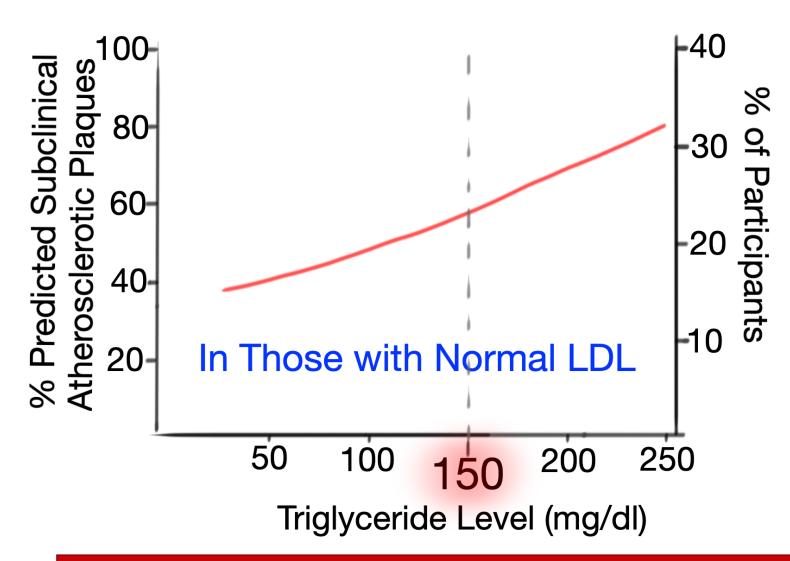
Serving size 2/3 cup (55g)

Amount per serving

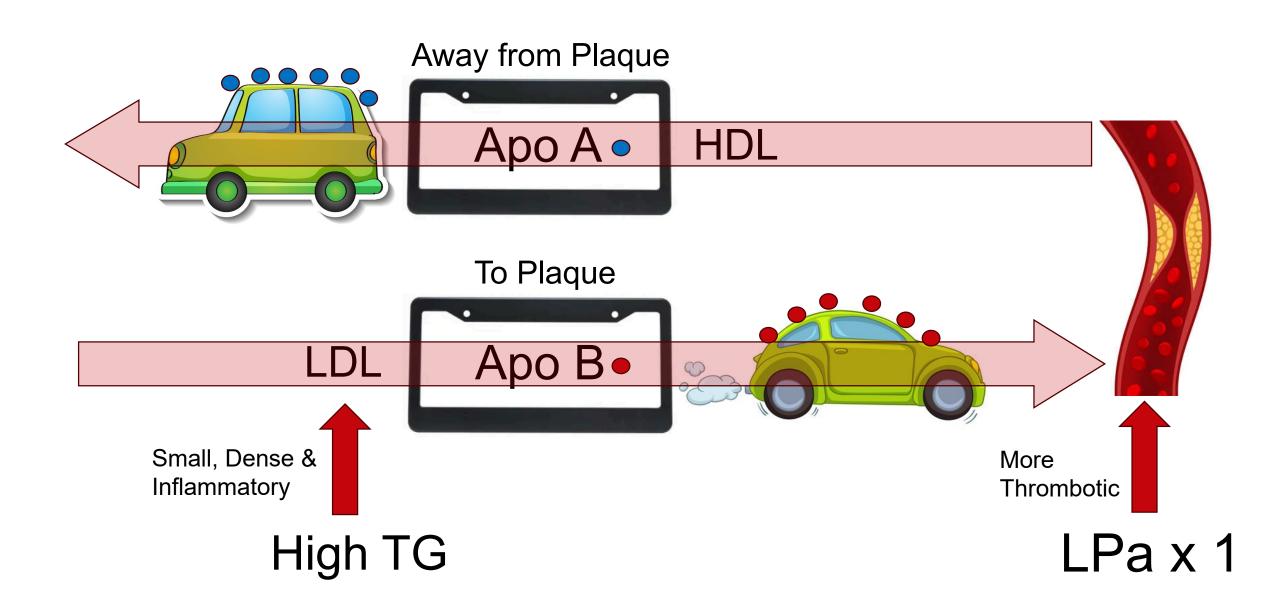
Calories

230

% Daily	Value*
Total Fat 8g	10%
Saturated Fat 1g	5%
Trans Fat 0g	
Cholesterol 0mg	0%
Sodium 160mg	7%
Total Carbohydrate 37g	13%
Dietary Fiber 4g	14%
Total Sugars 12g	
Includes 10g Added Sugars	20%
Protein 30	

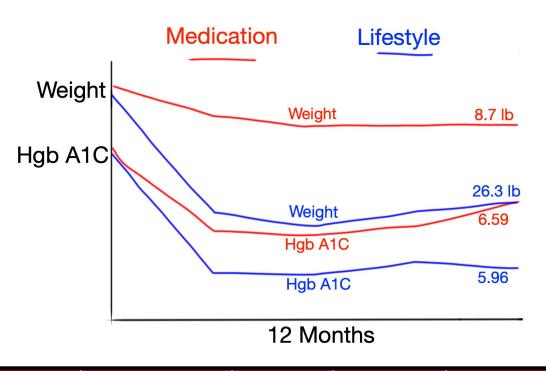


Raposeiras-Roubin S, et al. Triglycerides and Residual Atherosclerotic Risk. JACC. VOL. 77, NO. 24, June 22nd, 2021.



The DiRECT and DIADEM-I Trials





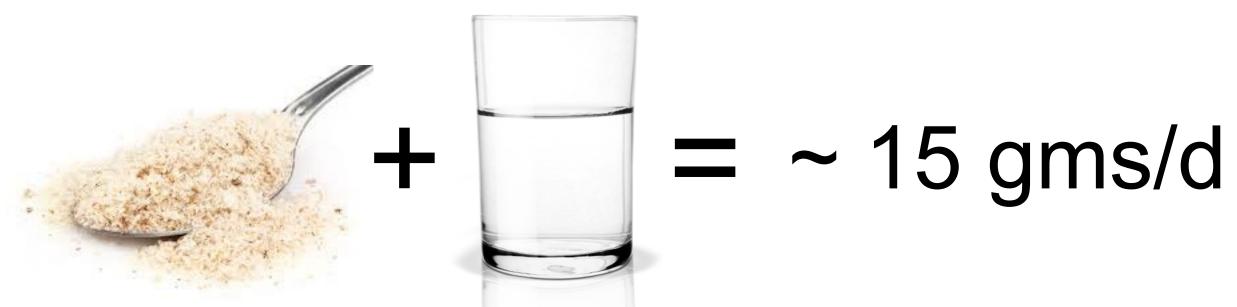
After 12 months	Weight	Remission	% on DM Rx	% on Lipid Rx		QOL	Physical Activity
Lifestyle	↓26.3 lb	61%	6% (3 to 1)	26%	71%	\uparrow	\uparrow
Medication	↓8.7 lb	12%	81% (3 to 5)	76%	49%	\	\

Fiber

The most cost effective, value-based therapy in health care?

10 cents per day w/ little harm

Reduce A1C by 0.58% = 13.1 gms of Soluble Fiber Daily



1 Tbsp = 5 gms fiber

(Range = 3.5 - 7 gms)

8-10 oz of Water Dosed 3x/ day before meals

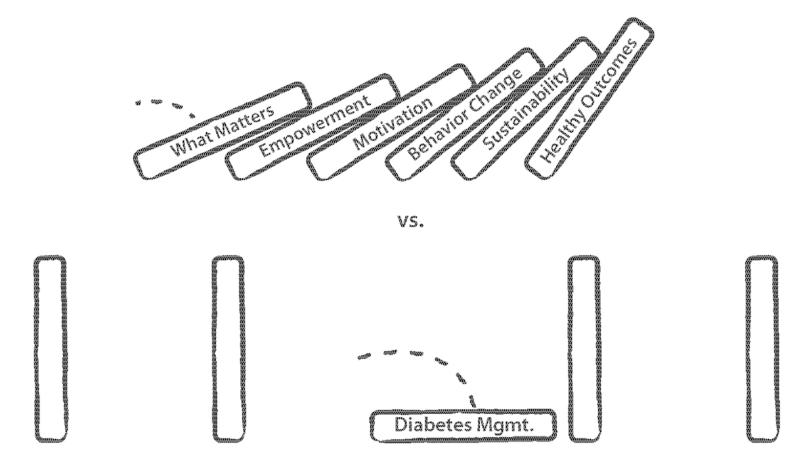
Jovanovski E, Khayyat R, Zurbau A, et al. Should Viscous Fiber Supplements Be Considered in Diabetes Control? Results From a Systematic Review and Meta-analysis of Randomized Controlled



Changing the conversation for our Veterans:

What do you want your health for?

What Matters and Why?

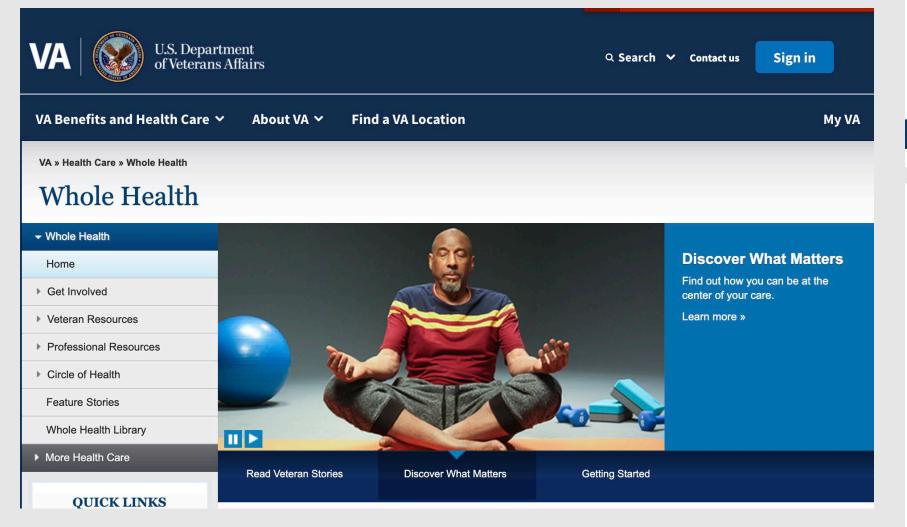


The definition of hell is a place where nothing connects with nothing.

-T.S. Eliot-

https://www.va.gov/wholehealth/

Personal Health Inventory



Live Whole Health.



PERSONAL HEALTH INVENTORY

Use this circle to help you think about your whole health.

- "Me" at the center of the circle: This represents what is important to you in your life, and may include your mission, aspirations, or purpose. Your care focuses on you as a unique person.
- Mindful awareness is about noticing what is happening when
 - Your everyday actions make up the green circle. Your options and choices may be affected by many factors.
- he next ring is professional care itests, medications. ents, surgeries, and counseling). This section include: ementary approaches like acupuncture and yoga.
- er ring includes the people, places, and resources in unity. Your community has a powerful influence or rsonal experience of health and well-being.



where you feel you are on the scales below from 1-5, with 1 being not so good, and 5 being great.

Physical Well-Being	O 1 NOT SD GOOD	O 2	O 3	0 4	O 5 GREAT
Mental/Emotional Well-Being	O 1 NOT SO GOOD	O 2	O 3	04	O 5 GREAT
Life: How Is it to live your day-to-day life?	O 1 NOT 50 GOOD	O 2	O 3	O 4	O 5

Live Whole Health.	a La Ini	
IR 10-930	REVISED 01/2022	P96814

Where You Are and Where You Would Like to Be

For each area below, consider "Where you are" and "Where you want to be "Write in a number between 1 (low) and 5 (high) that best represents where you are and where you want to be. You do not need to be a "5" in any of the areas now, nor even

Building Blocks of Health and Well-being	Where I am Now (1-5)	Where I Want to Be (1-5)
Moving the Body: Our physical, mental, and emotional health are impacted by the amount and kind of movement we do.		
Recharge: Our bodies and minds need rest in order to optimize our health. Recharging also involves activities that replenish your mental and physical energy.		
Food and Drink: What we eat, and drink can have a huge effect on how we experience life, both physically and mentally.		
Personal Development: Our health is impacted by how we spend our time. We feel best when we can do things that really matter to us or bring us joy.		
Family, Friends, and Co-Workers: Our relationships, including those with pets, have as significant an effect on our physical and emotional health as any other factor associated with well-being.		
Spirit and Soul: Connecting with something greater than ourselves may provide a sense of meaning and purpose, peace, or comfort. Spiritual connection can take many forms.		
Surroundings: Surroundings include where we live, work, learn, play, and worship— both indoors and out. Safe, stable, and comfortable surroundings have a positive effect on our health.		
Power of the Mind: Our thoughts are powerful and can affect our physical, mental, and emotional health. Changing our mindset can aid in healing and coping.		
Professional Care: Partnering with your health care team to address your health concerns, understand care options, and define actions you may take to promote your health and goals.		

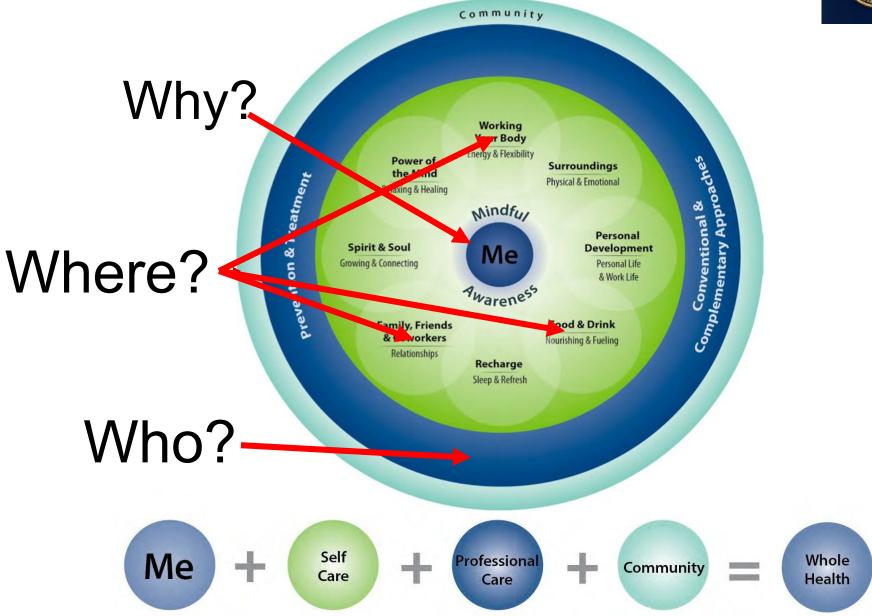
Now that you have thought about what matters to you in all of these areas what would your life look like if you had the health

What might get in the way? How might you st	tart?
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After completing the Personal Health inventory, talk to a friend, a family member, your health coach, a peer, or someone on your health care team about areas you would like to explore further. Or visit www.va.gov/wholehealth.

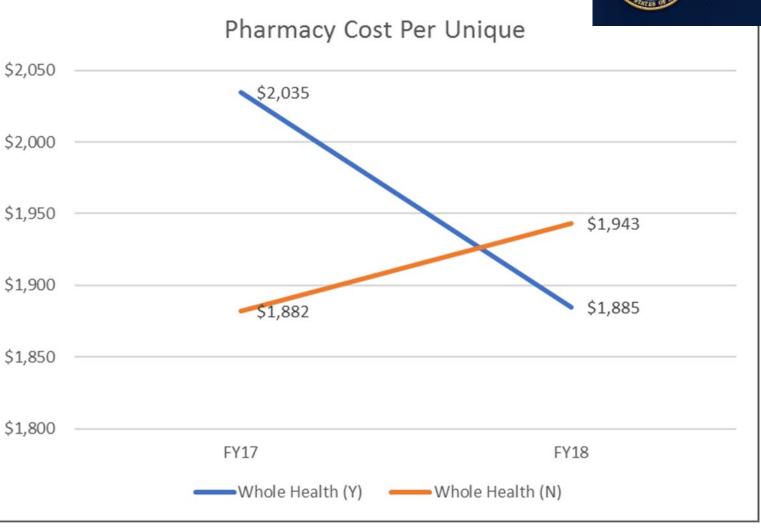
"CIRCLE OF HEALTH"







FY 17-18 Pharmaceutical Costs



WH Cohorts FY17 N= 57,459 FY18 N= 77,009

You can now add Patient Goals to the top of the Problem List in our Health Record

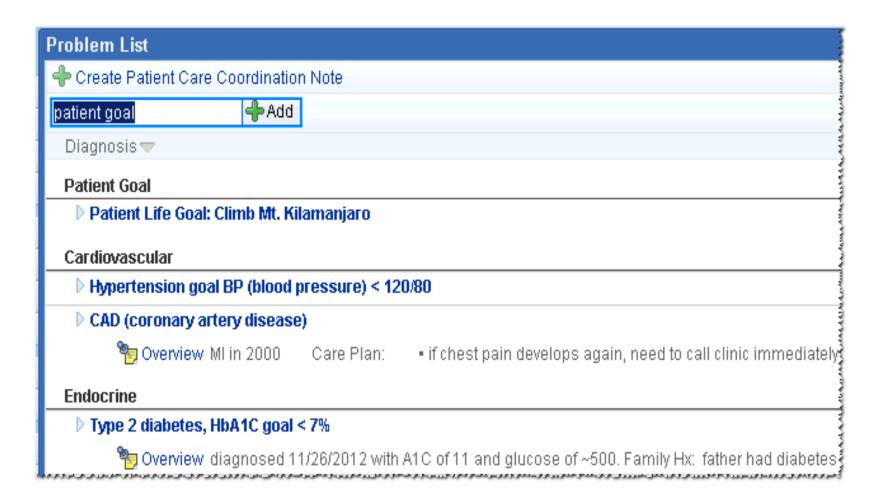
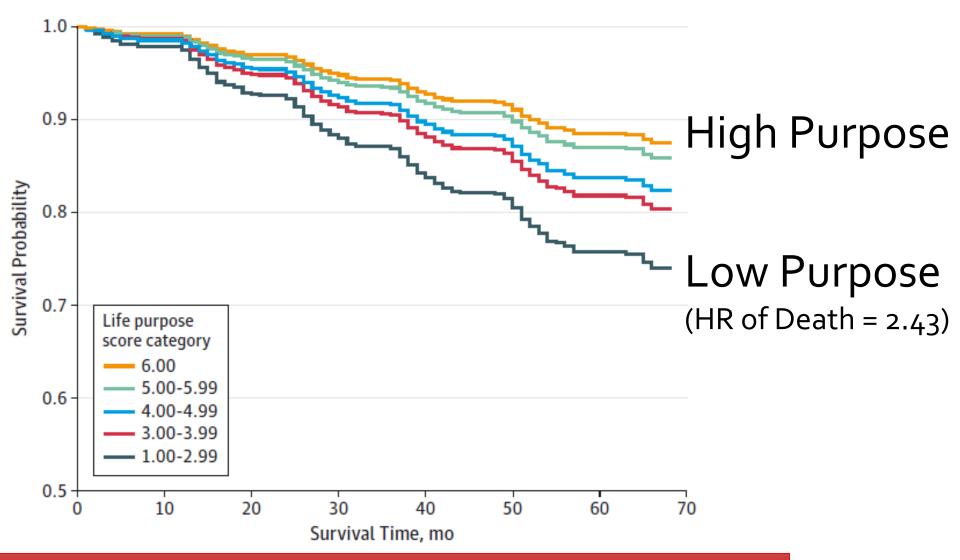


Figure. Survival Curves Illustrating the Association Between Life Purpose and Mortality



Alimujiang A, et al. Association Between Life Purpose and Mortality Among US Adults Older than 50 Years. JAMA Open. 2(5):2019

Value-Based Payment = Paying for Health







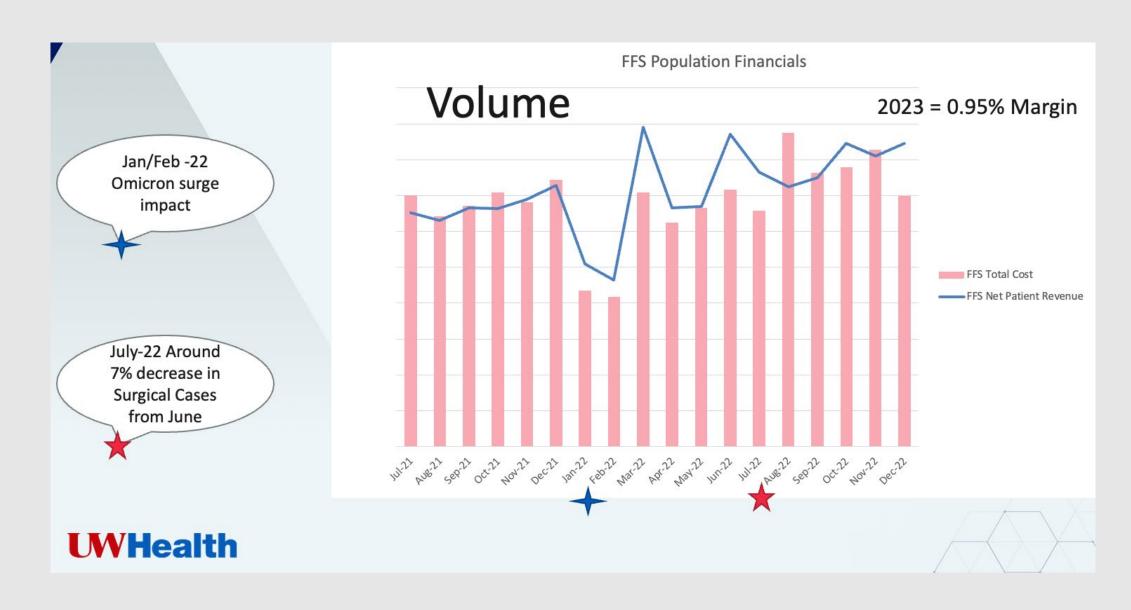
Value-Based • Capitated • Bundled • Prospective

Fragmented
Reactive
Disease-Centric

Coordinated/Team
Based
Pro-Active
Health-Centric

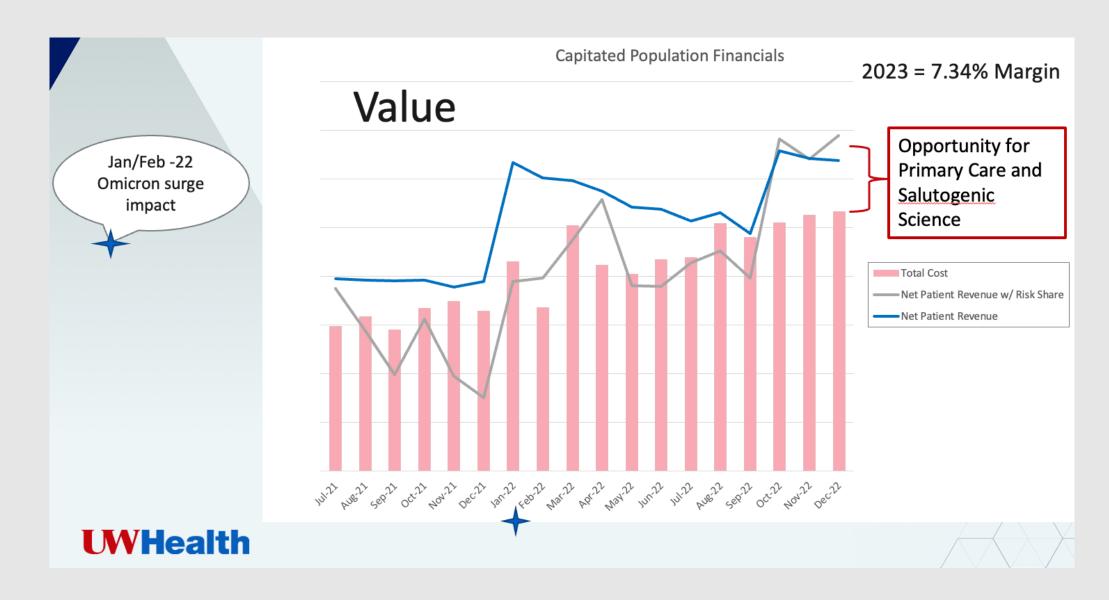
Margin of the Find It-Fix It, Throughput Model





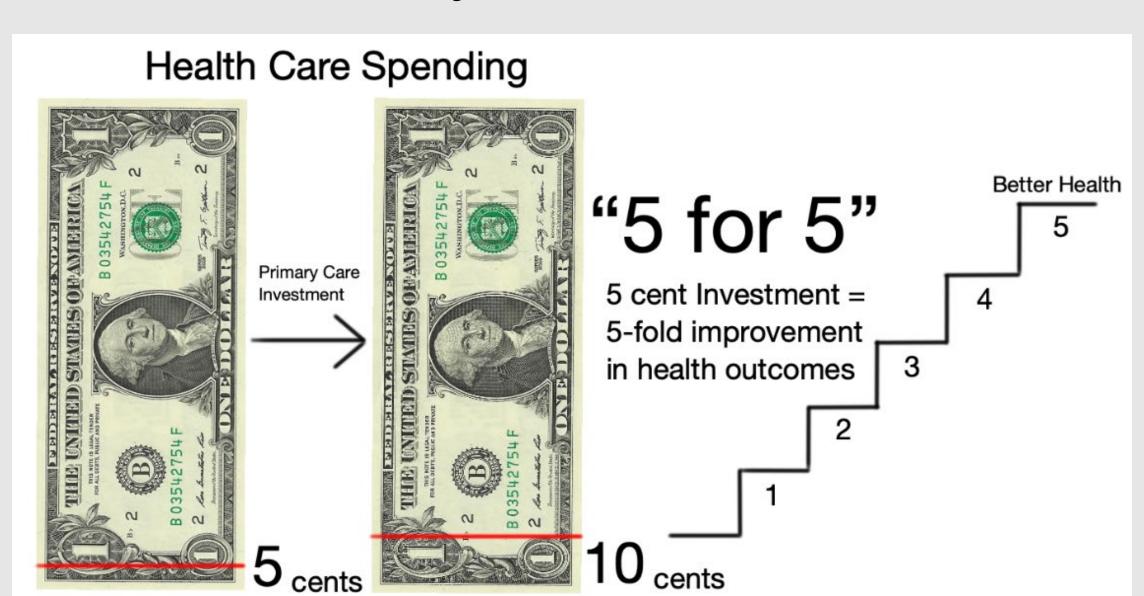
Margin for Value and Salutogenic Science





Primary Care Investment







The Quadruple Aim **Improved** Better Clinician Outcomes Experience sts

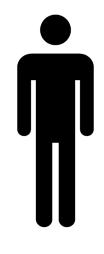
Situation

- Medically-tailored meals offer a costeffective strategy to managing chronic conditions.
- GLP-1 medications require long-term use and come at a high cost.
- Trulicity = \$706/mo, \$8472/yr.
- Opportunity to align strengths of provider [UW Health] and payer [Quartz] in a payvider relationship that offers more integrative whole health elements and achieves the quadruple aim.

What about Joe?

Pathogenic Joe

Rx List:
Metformin
Empagliflozin
Lisinopril
Rosuvastatin
ASA
Sertraline



Salutogenic Joe

Rx List: Soluble fiber

Salutogenic Science finds a way in.....



