

The most important characteristics for an entrepreneur are the same that guide all of life:

Passion, Integrity

Courage and Resilience.

Ginny Pribanic

INTENSE

Pittsburgh Made

And Proud...





Entrepreneur

Serial Entrepreneur Applying new technologies To old problems.



MedRespond

CMU – Based Conversational Al Simulates Conversations with Patients https://www.youtube.com/watch?v=nflfOLbwN7A

Fit for Surgery Outcomes

Case Study: 50% Cost Reduction

Open heart surgery program delivers unmatched outcomes with leading healthcare systems

50%
reduction in 30-day
post-discharge costs

309/o reduction in 180-day post-discharge costs average minutes of engagement per patient

99%

1mproved patient satisfaction scores

Patients report that the Conversational Coach eases their anxiety and provides their families critical guidance to know how to support them





"This is a game changer"

- Cardiac Chair

100% of patients reported improved care experience

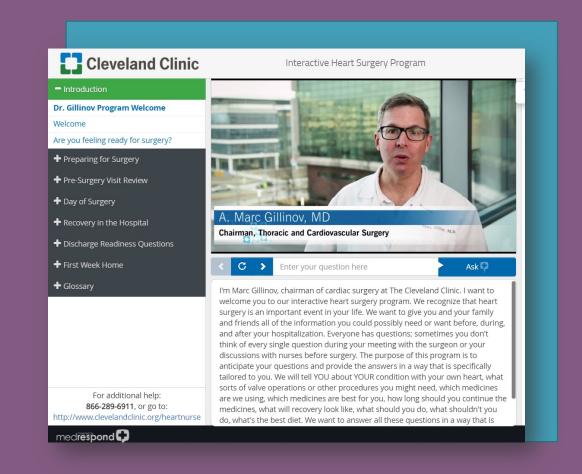
Cleveland Clinic valve repair/replacement surgery patients agree that the MedRespond program improved their overall experience of care:

Strongly agree: 93%

• Agree: 7%

Disagree: 0%

Strongly Disagree: 0%

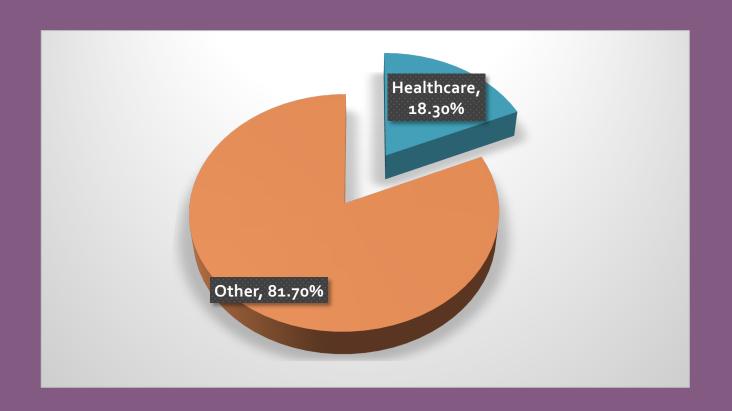


So ...

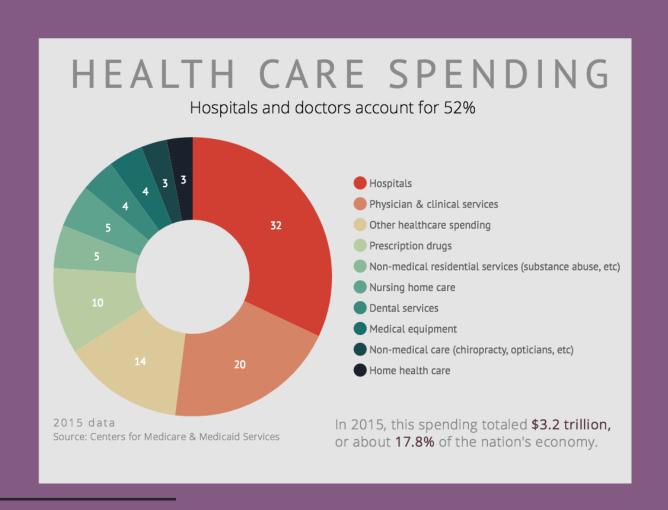
What's the Big Deal About Healthcare?

It's a REALLY Big Deal!

2021: U.S. Health Care Spending Reached \$4.3 Trillion 18.3% of GDP



Two Key Sectors Represent Over Half Of All Spending Hospitals and Doctors Account for 52%



Service Delivery Is Well Understood And Accessible

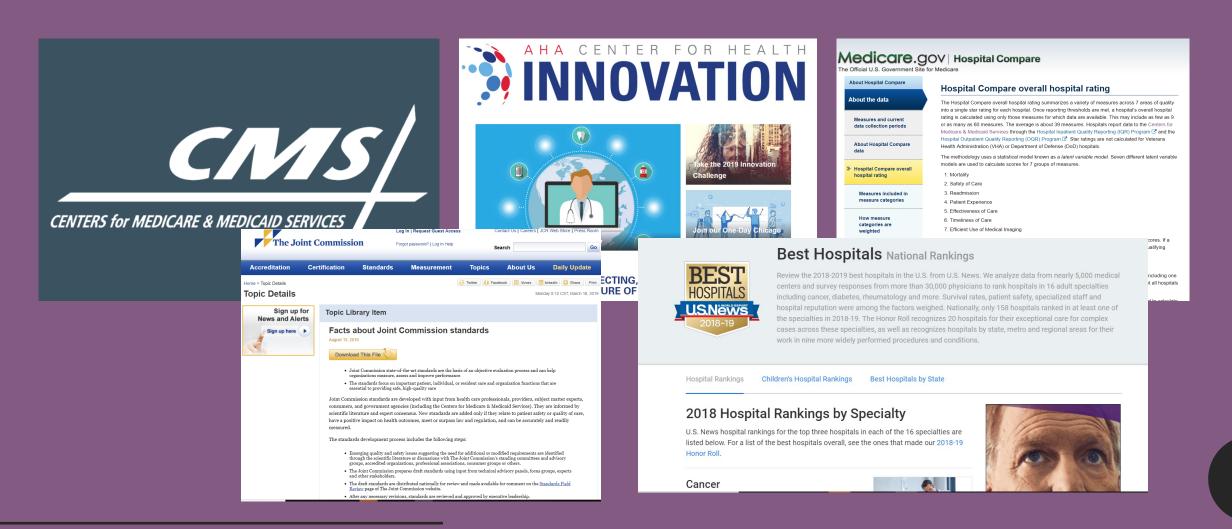
Total Number of All U.S. Hospitals 6,210

Total Staffed Beds in All U.S. Hospitals 931,203

Total Admissions in All U.S. Hospitals 36,510,207

Total Expenses for All U.S. Hospitals \$1,060,933,249,000

Industry Analytics are Plentiful



So ...

What's the Problem?

A Big Problem that Started with COVID-19
And Keeps Getting Worse!

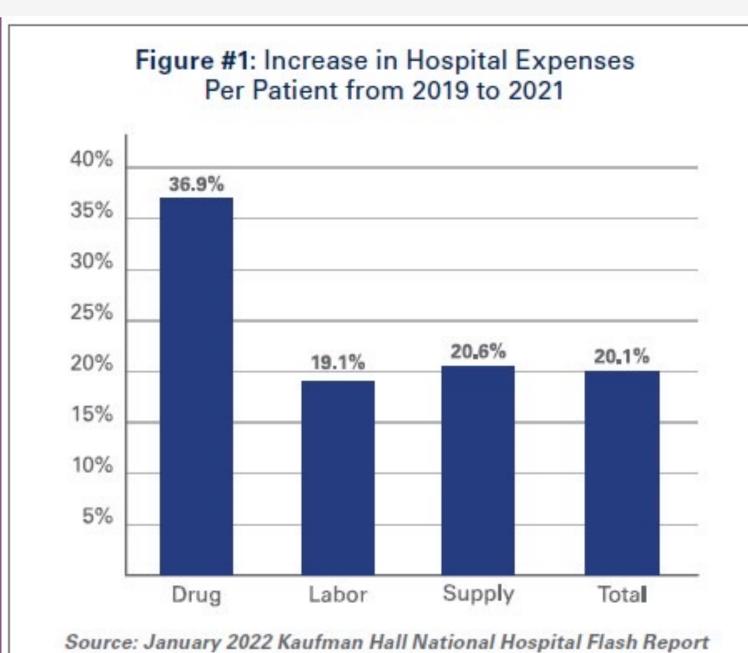
Hospital Expenses Skyrocketing

Drugs + 36.9%

Labor + 19.1%

Supply +20.0 %

Total +20.1 %



© Virginia Flavin Pribanic, 2023

Hospital Staffing Crisis

- > Hospital employment is down approx 100,000 from pre-pandemic levels
- > Increased reliance on contract staff:
 - ➤ In 2019, hospitals spent 4.7% of total nurse labor for contract travel nurses
 - > January 2023 that skyrocketed to 38.6%
- Contracting rate have increased significantly, 213%
- Recovering increased costs limited by long term contracts.

Healthcare Industry Imbalance

Insurers Turn Billion-Dollar Profits

- > Humana \$1.2 billion in third quarter profits
- Cigna's third quarter profits hit \$2.8 billion.
- CVS Health third quarter revenue jumped 10% \$81.2 billion,

Providers Reporting Big Losses

- CommonSpirit Health \$1.3 billion operating loss for the 12-months end on June 30.
- Ascension, \$1.8 billion loss for the fiscal year's end in June.
- Community Health System \$42 million net loss for the third quarter in October

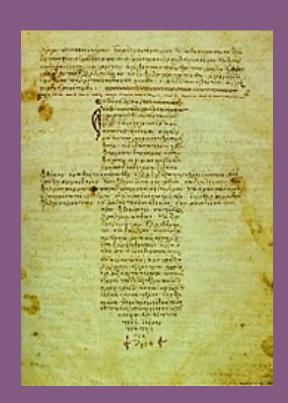
Healthcare Is:

- I. A Political Football a privilege or a right?
- II. Responsible for lives
- III. Highly complex
- IV. Highly regulated
- V. Complex and evolving payment models
- VI. Under incredible pressure

I. Innovation Cannot Jeopardize Lives

- 1. Improve upon current standard of care
- 2. Above all cause no harm
- 3. Improve efficiency

Key Challenge Is Proving It!



Challenge Proving It - Lack Of Data

- 1. Interoperability is still a challenge
- 2. Electronic health records are rigid
- 3. Critical data not coded
- 4. Clinical data separated from claims data
- 5. Lack of transparency of healthcare costs
- 6. Lack of defined standards consistency

Proving Efficacy Is A Challenge!

II. Hospital Systems are Complex

- 1. Mergers and acquisitions create complex organizations
- 2. Several hospitals
- 3. Hundreds of practices, outpatient centers, labs and clinics
- 4. System level leadership
- 5. Hospital level leadership
- 6. Service line leadership
- 7. Layer in governing committees, clinical committees,

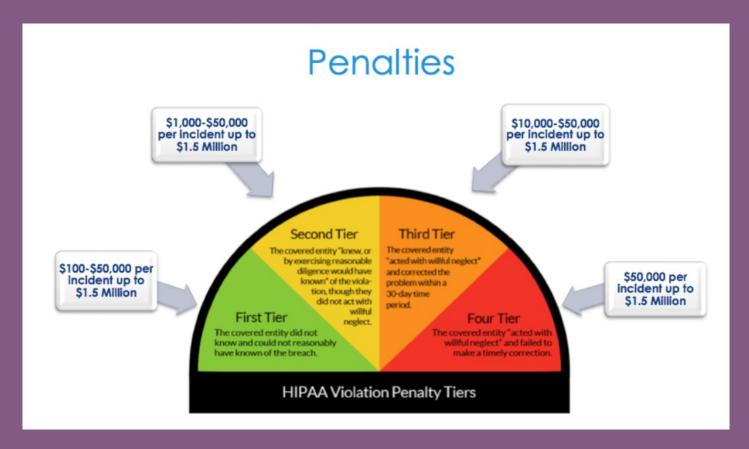
Who Is The Decision Maker And Process?

III. Healthcare Is Heavily Regulated

- 1. FDA
- 2. JAHCO
- 3. Legal requirements
- 4. Compliance
- 5. Internal Review Boards (IRB)
- 6. Confidentiality and HIPAA
- 7. Data security

The Scrutiny And Requirements Will Take Time!

Penalties can be significant – e.g.: HIPAA violations ...



Source: HHS, Federal Register.gov

Malpractice is Real

NY hospital mandated to pay \$62 million to women who underwent an ectopic pregnancy surgery and ended up in intensive care and suffered three heart attacks. She ended up with skin grafts, a colostomy, and two below-the-knee amputations. The jury found the responsible physician guilty of straying from the required care standards.

In 2010, a NY physician performed a thigh operation on a woman which ended up as a botched surgery. The jury found him guilty of failing to advise his patient on the risks associated with the surgery and using an inappropriate surgical technique, he was ordered to pay \$60 million.

In 2011, a 6-year-old boy was left with cerebral palsy and permanent brain damage after undergoing 25 surgeries in Chicago, Illinois. The boy was born with some health problems that were not life-threatening. It is alleged that the doctor used <u>some</u> <u>unproven techniques</u> to carry out several surgeries. They settled their medical malpractice case <u>for \$30 million</u> in 2016.

IV. Complex Buying Process

- 1. Decisions often siloed
- 2. Many decision makers and levels
- 3. Many decision influencers
- 4. Many gate keepers supply chain, legal, IT-cybersecurity
- 5. Formularies limit treatment choices

Points To Very Long Sales Cycle: 18 -24 months

Evolving Payment Models

- 1. Formerly Fee-for-service
- 2. Evolving to value-based and bundled payments
- 3. Hybrid is negotiated payments, e.g. liver transplant
- 4. Who benefits from an innovation can shift

Strategy Must Support The Evolving Landscape!

V. Providers are incredibly stressed

- 1. Victims of doing more with less overloaded
- 2. Operating under razor-thin margins
- 3. Innovation is an additional burden
- 4. Cynical that innovation will help workflow
- 5. Gaining support of those who will use it

Innovations must be easy to buy, easy to use!

Individual Interests Can Impede Adoption

- 1. Great investment in status quo
- 2. Physician culture want control
- 3. Conflicting motivations within
- 4. teams
- 5. Not invented here
- 6. Nobody does it better

All Can Lengthen And/Or Stop Sales Process!

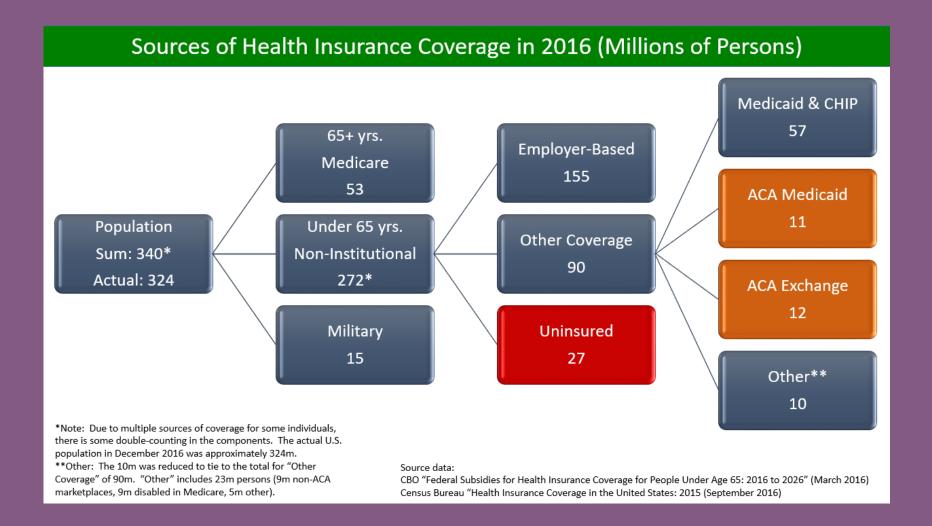
Complex System of Payments

- 1. Third party government or private or combination
- 2. Insurers must approve innovation and price
- 3. Insurers may disagree

Billing and insurance-related (BIR) costs for traditional Medicare and Medicaid hover around 2 percent to 5 percent, while those for private insurance is about 17 percent.

https://www.americanprogress.org/article/excess-administrative-costs-burden-u-s-health-care-system

Complicated Payor Network



Healthcare Challenge:

Address Healthcare Inequality by Impacting the Social Determinants of Health

X conomic Stability	Neighborhood and Physical Environment	Education	Food	Community and Social Context	Health Care System
Employment .	Housing	Literacy	Hunger	Social integration	Health coverage
Income Expenses	Transportation Safety	Language Early childhood education	Access to healthy options	Support systems Community engagement	Provider availability
Debt Medical bills	Parks Playgrounds	Vocational training			Provider linguistic and cultural competency Quality of care
Support	nigher ,	Higher education		Discrimination	

Health Outcomes

Mortality, Morbidity, Life Expectancy, Health Care Expenditures, Health Status, Functional Limitations

Healthcare Industry Imbalance

nsurers Turn Billion-Dollar Profits

- Humana \$1.2 billion in third quarter profits
- Cigna's third quarter profits hit \$2.8 billion.
- CVS Health third quarter revenue jumped 10% \$81.2 billion,

Providers Reporting Big Losses

- CommonSpirit Health \$1.3 billion operating loss for the 12-months end on June 30.
- Ascension, \$1.8 billion loss for the fiscal year's end in June.
- Community Health System \$42 million net loss for the third quarter in October



So What Is The Take Away ...

- 1. Target innovations that improve existing process rather than replace to ease adoption
- 2. Focus on ease of use
- 3. Map out workflows for all stake holders
- 4. Understand the buying process
- 5. Understand path to scalability early
- 6. Prepare for long sales cycle need funds to survive
- 7. Prepare for low success rates need deep pipe

Never give up!

"It's hard to beat a person who never gives up."

Babe Ruth

Major League Baseball Hall of Famer.

Thank You!

Call if I can help you.



Virginia Flavin Pribanic President & CEO MedRespond, LLC

Cell: 412-443-6776 virginia.pribanic@medrespond.com



Why Start Ups Fail

1.	No market need	42 percent
2.	Lack of cash	29 percent
3.	Inappropriate team	23 percent
4.	Strong competition	19 percent
5.	Pricing and cost issues	18 percent
6.	Bad core product	17 percent
7.	Lack of a business model	17 percent
8.	Bad marketing	14 percent
9.	Customer neglect	14 percent
10.	Bad timing	13 percent
11.	Loss of focus	13 percent
12.	Intra-team conflicts	13 percent
13.	A pivot gone bad	10 percent
14.	Lack of passion	9 percent
15.	Bad location	9 percent

⁻ A New Study Reveals the 20 Factors That Predict Startup Failure: Do Any Apply to You? www.entrepreneur.com/article/308447