Passion into Practice: A Shared Journey Along the New Frontier of Healthcare Informatics

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Session Objectives

• Experience a personal journey of passion into practice for a clinical informaticist. Understand why it is important to tune in to your own inspiration in order to connect with the passion you have for your work.

• Discuss the importance of using informatics in real time to enable improved outcomes. Data becomes information, information becomes knowledge and knowledge becomes wisdom.

• Discuss the importance of being a nurse, an informaticist, a business leader and a good troublemaker.

• Introduce thinking about the next steps in informatics beyond alerts and evidenced-based practice and what are the roadblocks that stand in the way of true practice-driven care.

• Understand the importance of showing the power of informatics.
How my passion became practice

Allow your passion to become your purpose, and it will one day become your profession.

--Gabrielle Bernstein
"To go out there and prove what I can do has taught me a lot about who I am."

— Simone Biles

“You must do the things you think you cannot do.”

— Eleanor Roosevelt

“Devote today to something so daring even you can’t believe you’re doing it.”

— Oprah Winfrey

“Change is the law of life. And those who look only to the past or present are certain to miss the future.”

— John F. Kennedy

“The glory of medicine is that it is constantly moving forward, that there is always more to learn. The ills of today do not cloud the horizon of tomorrow, but act as a spur to greater effort.”

— William James Mayo
The night I decided to become a nurse – Age 10

I am going to make a difference…….. I am going to organize the chaos and help to save lives
And then I did this....

I was a new nurse, baby was in trouble, mom put her trust in me
And so began my journey with Informatics

I learned early on that.....

- Patients needs are multi-dimensional
- Critical decisions require real-time information
- Certain protocols are more effective than others
- Technology is slow in helping to fast-track effective treatments

...... And I learned that I am very impatient when it comes to figuring out better ways to help patients
I am a nurse with a strong voice who has evolved into a business leader, convincing other business leaders how informatics multiplies the value of our presence at the bedside.
I refused to live inside rules that did not make sense.

I became the best troublemaker I could be.
So, as a troublemaking clinician, I used my passion to help make information useful……

…to create systems that do the work we need done
And my passion became practice

- Data has become information...
- Information has become knowledge...
- Knowledge has become wisdom...
- Wisdom – real time wisdom is saving patients’ lives
Our ship has come in! The data has arrived.

- We have to get moving beyond just evidence-based practice and use informatics to speed things up!
- Learn from the data to modify practice protocol much sooner!
Start to apply Data Science capabilities...

Imagine having data from millions of patients available to fast-track clinical improvements in REAL TIME
Is this progress? Yes, but............

1887

2017

It took 130 years to get from here to there
We’ve gotten better, faster, smarter

"I believe that this nation should commit itself to achieving the goal, before this decade is out, of landing a man on the moon and returning him safely to Earth."

(JFK, 1961)

And in 8 years, we were on the moon.

If we can do that, we can do this......

With Informatics.........

Within _____ years, we will:

• Eliminate _____ million defects in care
• Save _____ thousand lives
• Avoid $____ millions in unnecessary expense
But we have a problem: Research Bench to Bedside – it takes how long????

The answer is 17 years, what is the question: understanding time lags in translational research Zoë Slote Morris, Steven Wooding, Jonathan Grant (2011) Journal of the Royal Society of Medicine, Vol 104, Issue 12
And with almost 4 million lives at stake in the next 13 years, we cannot wait that long.

CANCER – 2nd leading cause of death in the United States

FROM 8 million TO 13 million

Source: American Cancer Society: Global Cancer Facts & Figures, Second Edition

cancer.gov
An example of the informatics equivalent to walking on the moon: The real-time modification of practice today, not 17 years from now.

Maintain your passion—pick one thing, track it, and show how powerful informatics can be today.
But there are barriers holding us back.
Working through the barriers to achieving practice-driven care through informatics:

Sharing what we know and how we know it.... we can be better at this!

SHARE YOUR KNOWLEDGE!
There are organizations and "troublemakers" out there who are doing great things with informatics.
Working through the barriers to achieving practice-driven care through informatics:

- A portal for every doctor, another portal for every hospital

Patients could have up to 8 portals and mailboxes – and we’re “surprised” they don’t make better use of them 😊
Working through the barriers to achieving practice-driven care through informatics:

• Lack of true interoperability
  • No standard definition that defines the need
  • No NPI
  • No data standards
  • No transmission standards

Data that supports healthcare informatics should be a Garden of Eden
Instead, it’s a Tower of Babel.
Working through the barriers to achieving practice-driven care through informatics:

Data Standards

- Gurney
- Stretcher
- Transports
- Bed
- Cart
- Trolley
- Cot
- Litter
- Pram

Standardizing data sounds simple, but it’s not.
Working through the barriers to achieving practice-driven care through informatics:

Unique Patient Identifier

In our lifetime? I say YES!!
Surmounting these barriers will lead us to the Informatics of the future

GOAL:
Removing variation in care & reducing negative outcomes
Now you know all about my journey of passion to practice. What will yours be?

- What is your story? What inspired you?
- Are you thinking like a business leader and a nurse?
- Are you being a good troublemaker?
- Are you thinking about data science and your moonshot?
- Are you staying aware of the roadblocks to practice-driven care?
- Are you ready to do one cool thing to show the power of informatics?
Remember..... you aren't changing the life of one patient, you are changing the life of millions.
“I have an almost complete disregard of precedent, and a faith in the possibility of something better. It irritates me to be told how things have always been done. I defy the tyranny of precedent. I go for anything new that might improve the past”.

Clara Barton (1888)
QUESTIONS & DISCUSSION
Contact Information

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