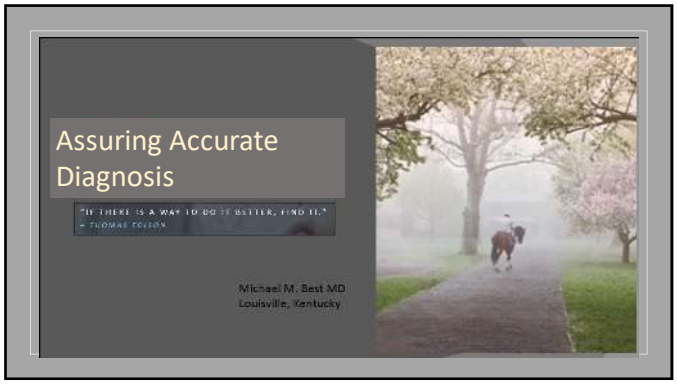

1

Michael Best, MD

- Orthopedic surgeon
  - Hand and Spine Surgeon
- Owner and CEO, The Assessment Centers
- Founder and Chief Medical Officer Clinical Decision Solutions
- University of Louisville School of Medicine Instructor, Orthopedic Surgery (1982 to present)
- International Academy of Independent Medical Evaluators (IAIME) Committee Case Reviewer (2001 to present)

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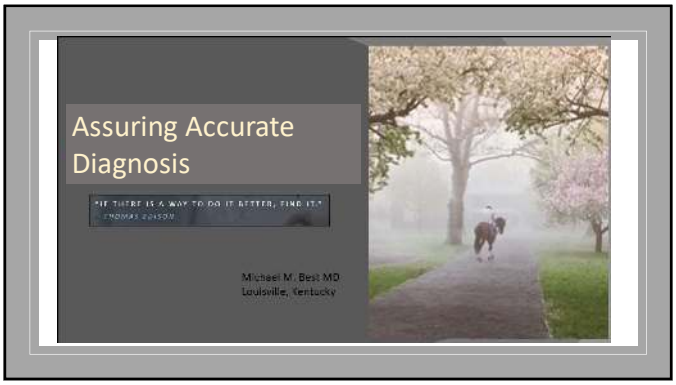
2

The problem:

Diagnoses are often inaccurate and this results in problems, for everyone.

3



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In the early 2000's we were asked by three international companies:
an airline
an auto manufacturer
a blue jeans manufacturer
to evaluate and help reduce their Workers' Compensation costs

We reduced costs 32%...

5

Penn Medicine

Accuracy of Diagnosis

"Competency Examination in Musculoskeletal Medicine" given to both medical and surgical residents; graduates of 37 U.S. medical schools

- 87% of medical residents failed.
- 82% of surgical residents failed.
- (a passing grade was 73%)

6

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So... 80% get a "D" or "F"

The AMA --- 1.1 million MD's in the US...

Are 900,000 MD's incompetent in Musculoskeletal Diagnosis and Treatment ???

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- Musculoskeletal diseases affect more than one out of every two persons in the United States age 18 and over, and nearly three out of four age 65 and over.

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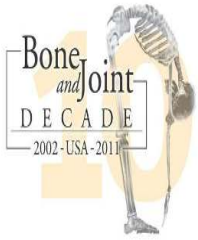

- In 2004 total cost attributed to patients with musculoskeletal diseases of **$849 billion**, or 7.7 percent of the US GDP.

9

- Musculoskeletal conditions such as arthritis and back pain affect more than 1.7 billion people worldwide.
- Second greatest cause of disability.
- 4th greatest impact on the overall health of the world population when considering both death and disability.

10

The Basis of the Problem --

...Mis-diagnosis

11

IN THE NEWS --- Medical Mis-diagnosis

INSTITUTE OF MEDICINE 1999	INSTITUTE OF MEDICINE 2015	MAYO CLINIC 2017
Institute of Medicine	Institute of Medicine	
"To Err is Human : Building A Safer Health System "	"Improving Diagnosis in Healthcare "	Mayo Clinic: 21% of Patients Are Misdiagnosed

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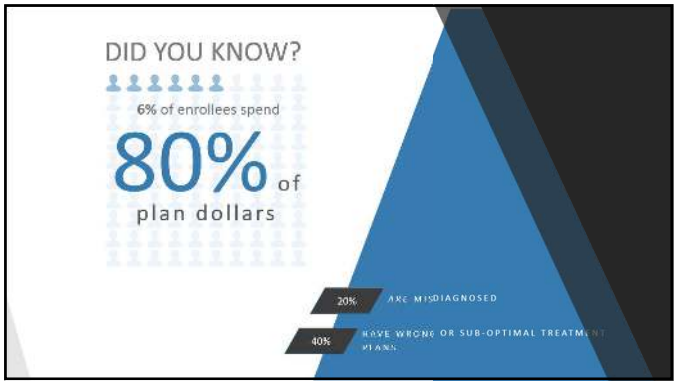

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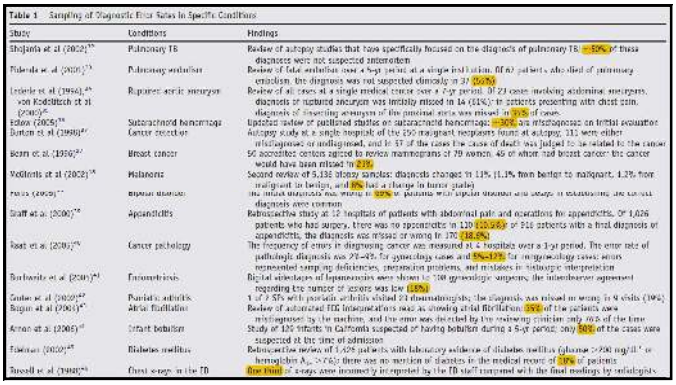

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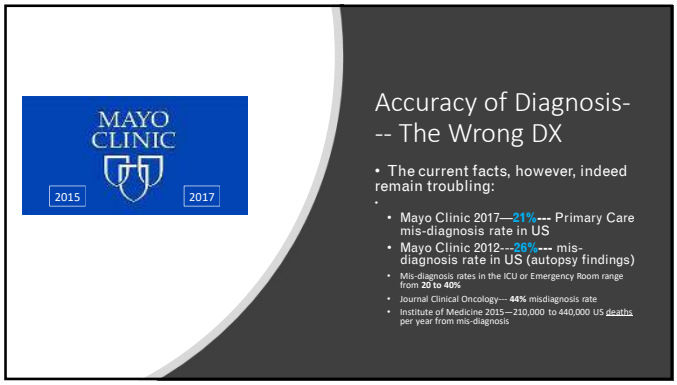

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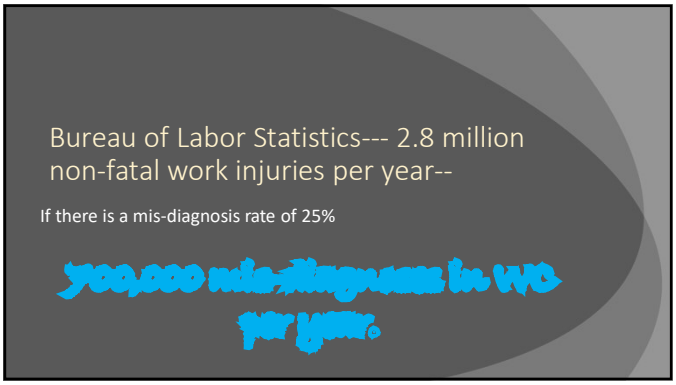

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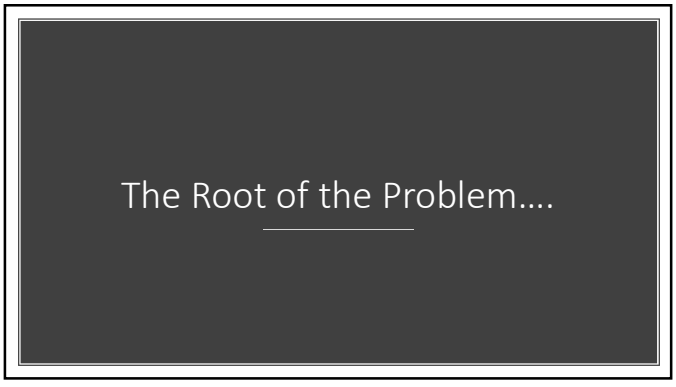

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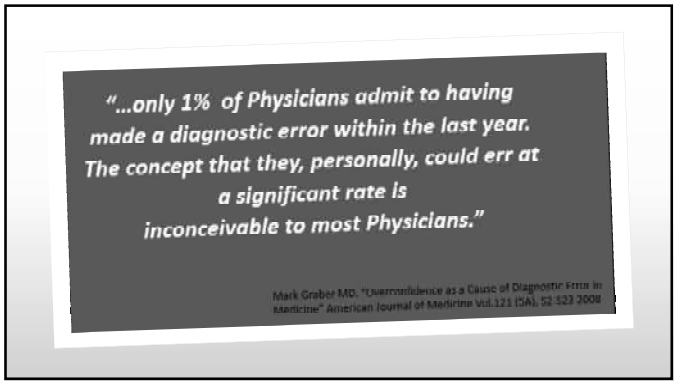

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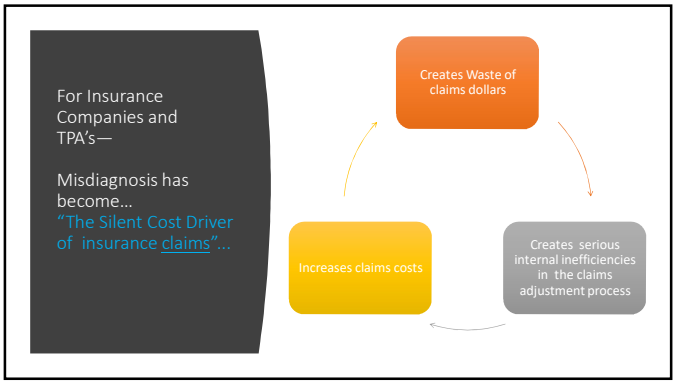

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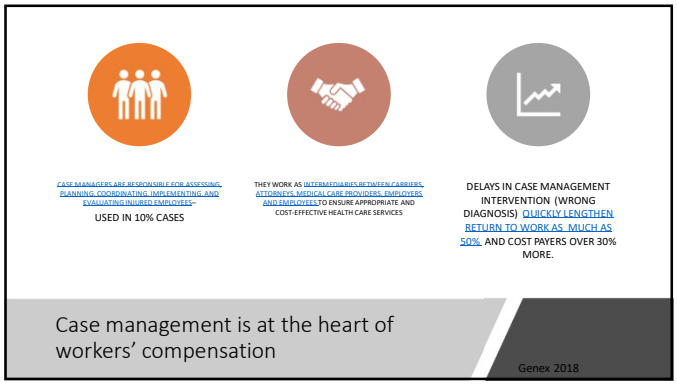

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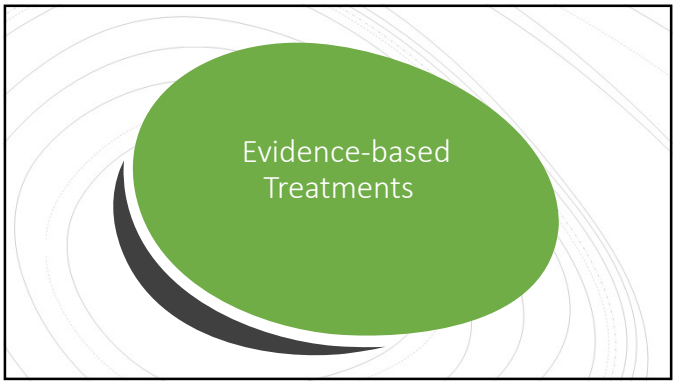

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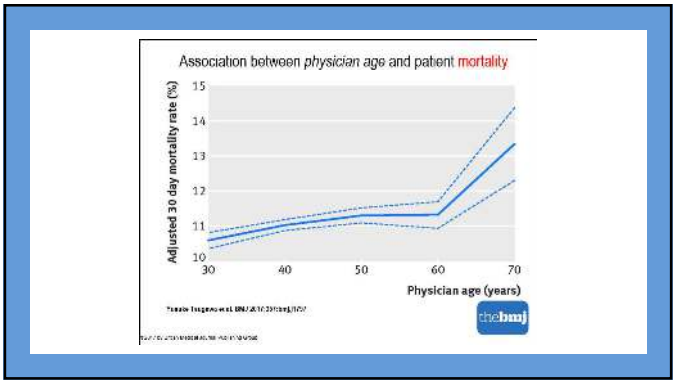

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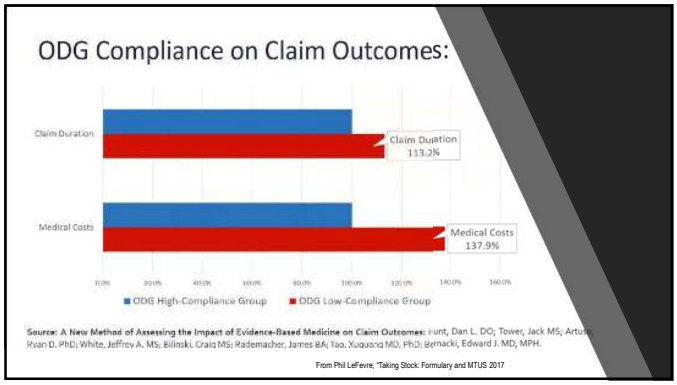

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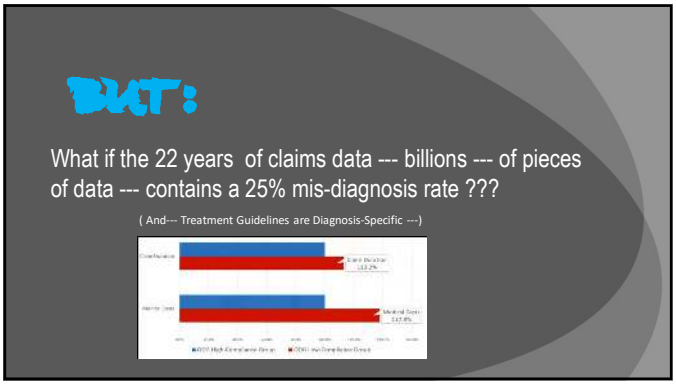

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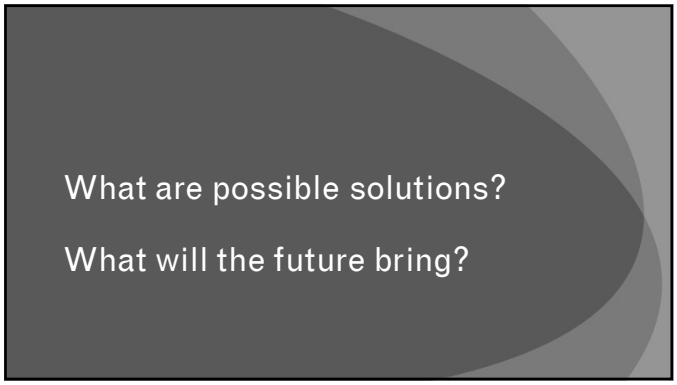

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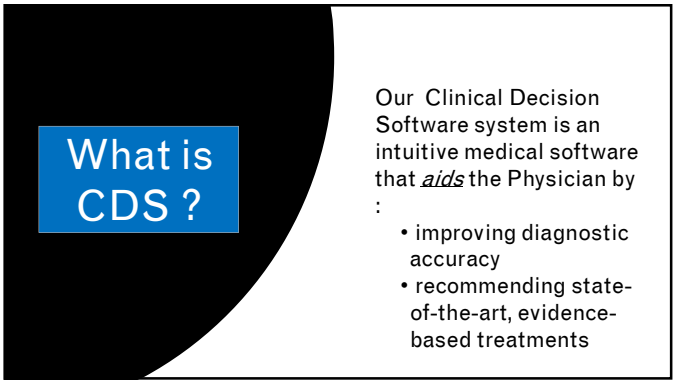

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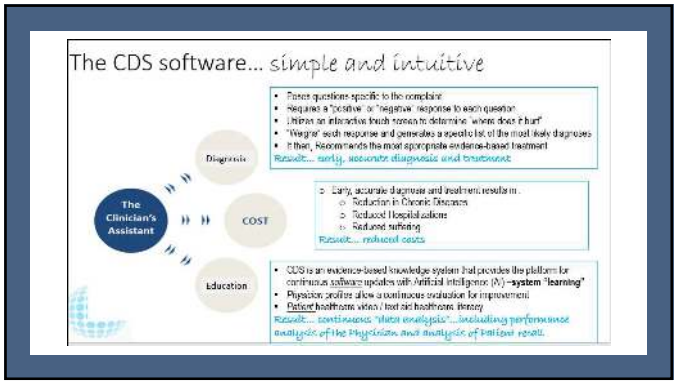

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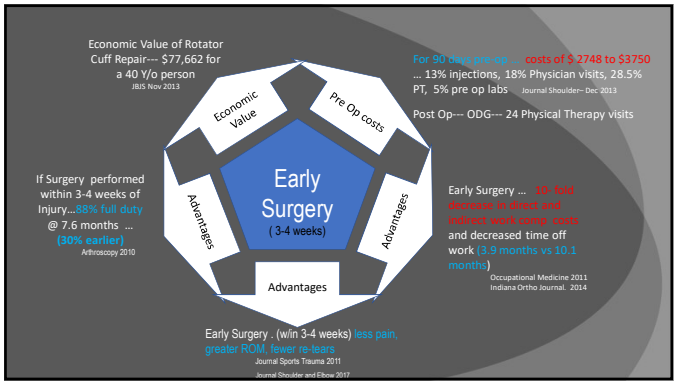

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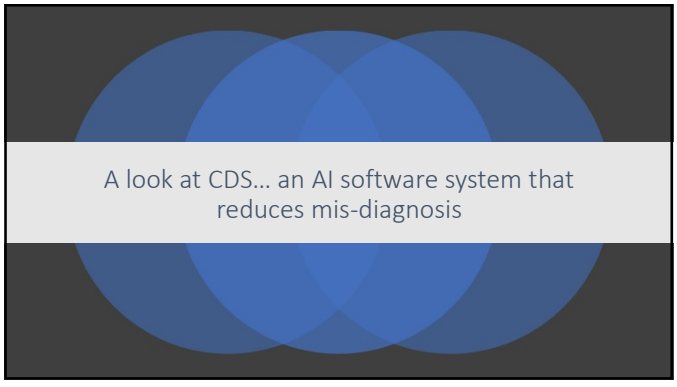

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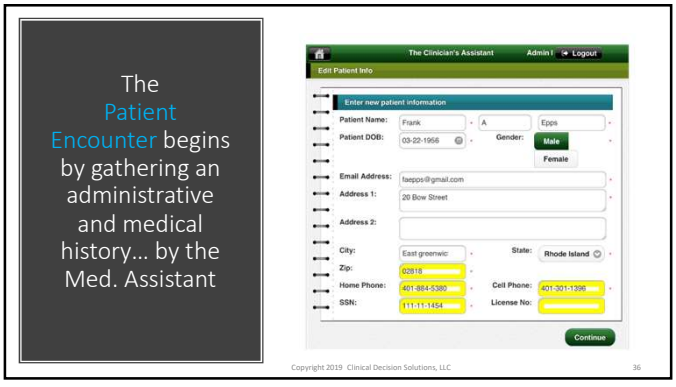

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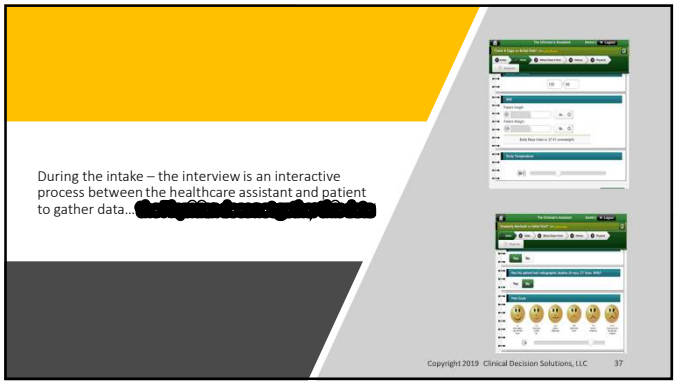

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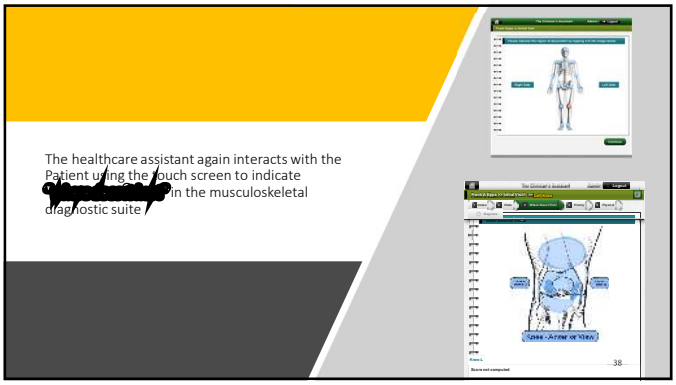

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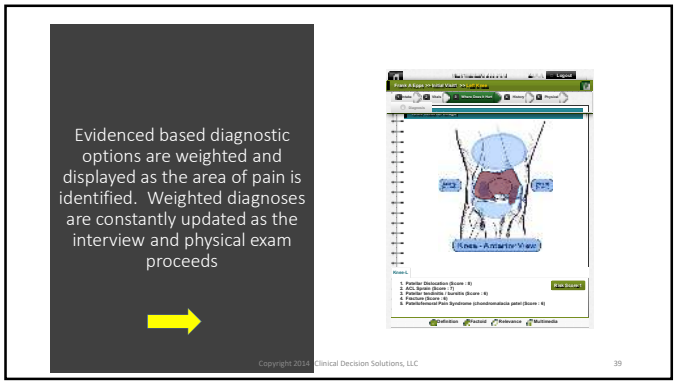

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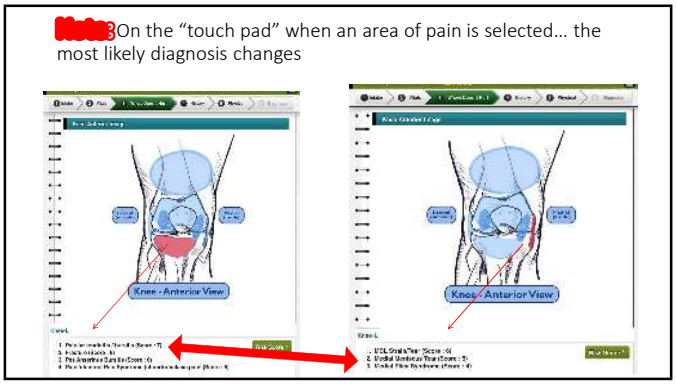

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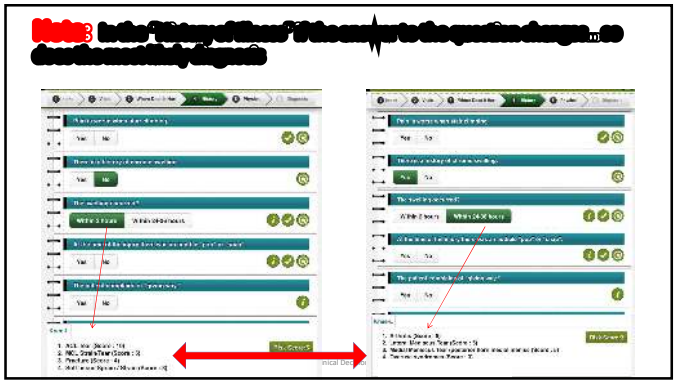

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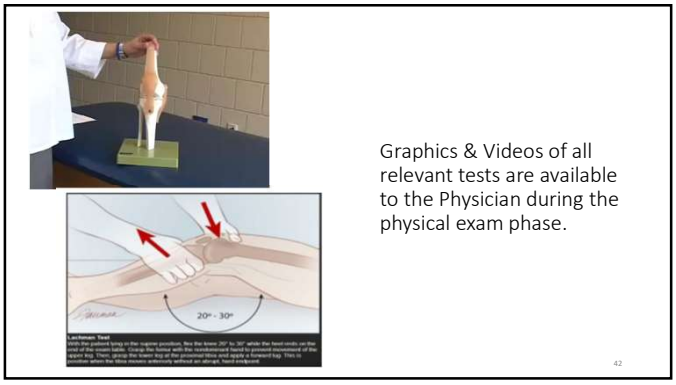

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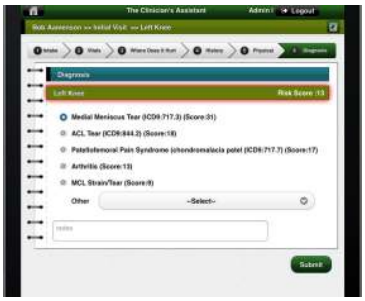
The Physician has the option of choosing a pre-determined diagnosis or overriding the program with his/her own diagnosis



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A Evidence-based *Plan of Care* is prescribed for the patient that accessible to the patient, therapist and caregiver online

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Patient education videos are provided for review between the health care assistant and the patient while at the clinic and are also available on-line for the patient.

45

The Results...

Improved Accuracy of Diagnosis	Increased use of Evidence-based Treatment	Reduced Cost of Care--- **Truly a P4P platform**	Produces the first---**AI—Data Driven Care network**
Encourages **Early / Safe Return to Work**	Provides the ability to monitor the care provided by MD's, NP's, and PA's	Allows Physician to see and treat more patients (56% increase in total patient encounters over 3 years)	Improves injured worker satisfaction with care (increased MD-Patient interactions)

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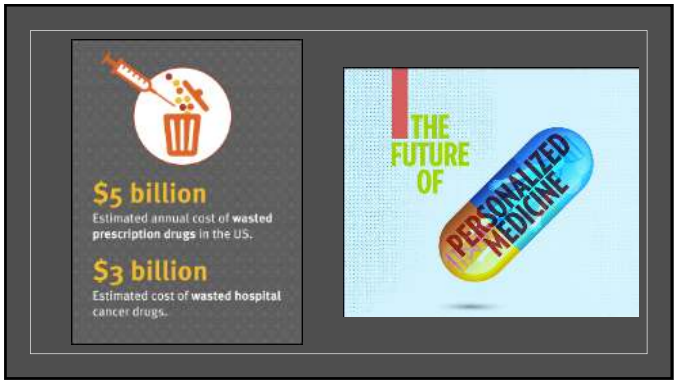

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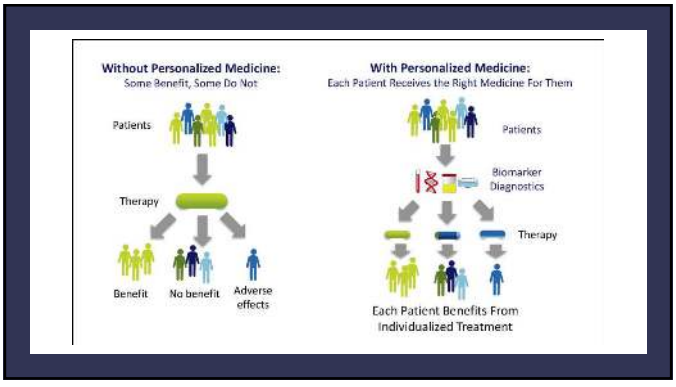

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Wayne Gretzky

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Thank You

Michael M Best, MD

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