

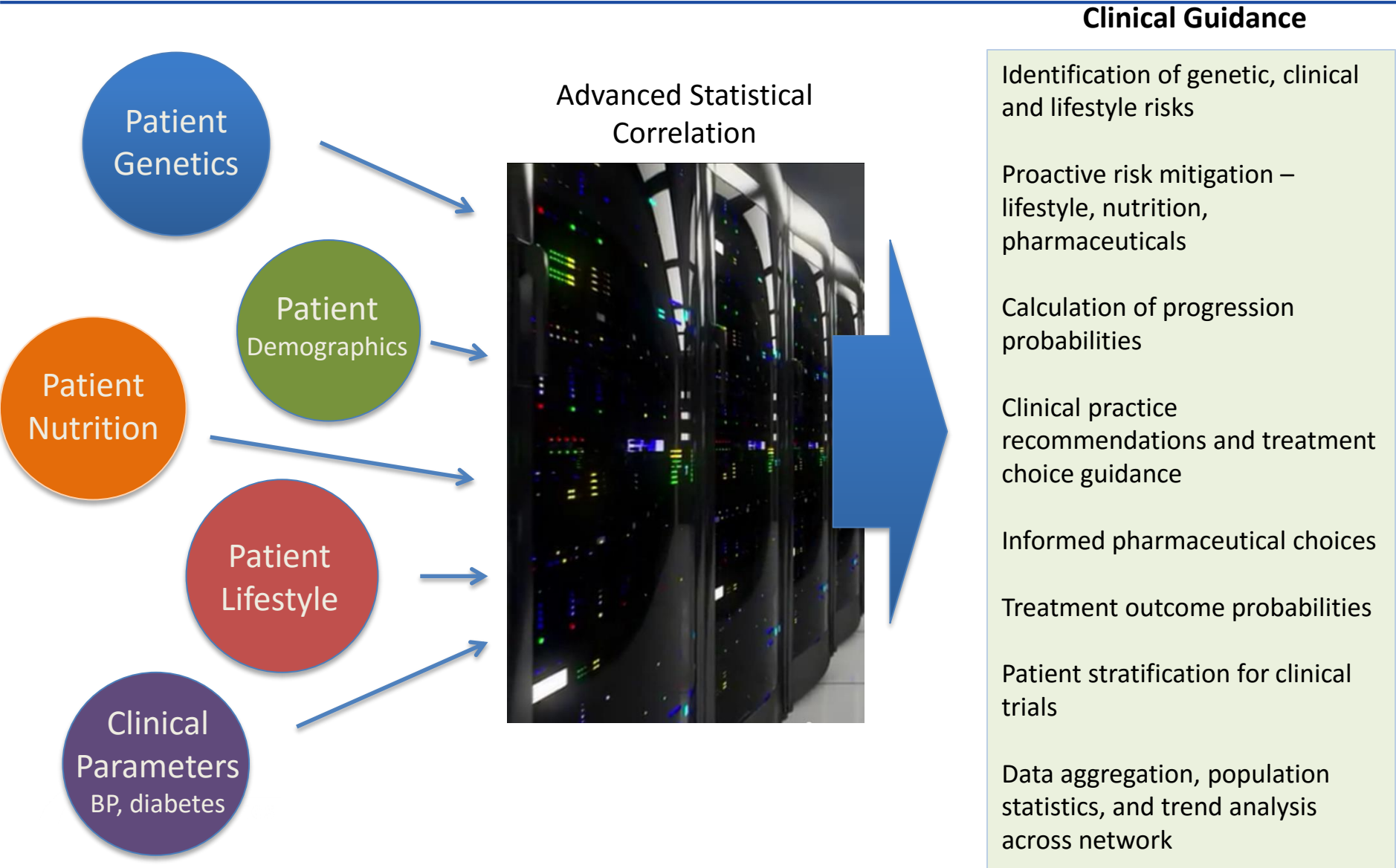
Computerized Analytics May Perform much of the Initial Diagnosis and/or Inform the Physician

- Who has perfect memory and can read everything needed?
Analytics platforms such as IBM Watson
- Computers have the potential to assist/perform:
Collecting patient symptoms, patient history, comparing to a large data base, identify successful and poor outcome of various treatments, provide informed recommendation of potential treatments with probabilities of success
- Examples
 - @Point of Care, Modernizing Medicine, QPID, Dxplain, Isabel, etc

Genomic Data will be Added to your Health Records



Correlating Genetics and Patient Parameters with Clinical Choices

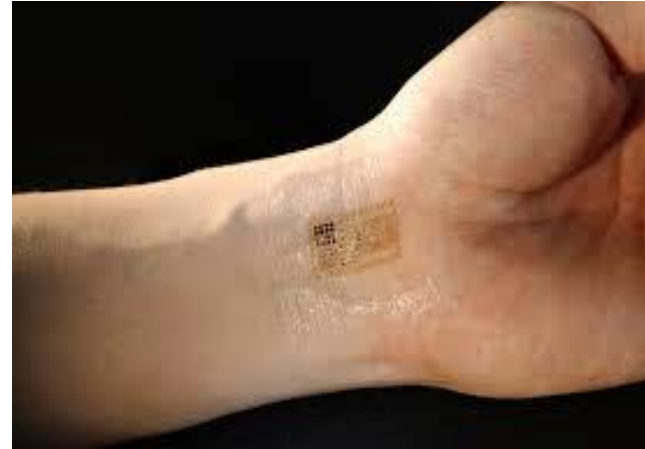


Increasing Role of Social Media

patientslikeme®



Real-time Diagnostics from Sensors



**Commercial Efforts such as those by MC10
with their Biostamp technology suite**

Improved Emergency Care



Emergency room will know your issues and history before you arrive



Specialized field care can be applied based on your history

Focus on Health



Use data to demonstrate how you as individual can maintain and improve health



Increased use of health physicians versus care physicians

A Health Journey Map



Genetic Impact



Proactive
Wellness



Social, Cultural
Spiritual Wellness



Healthcare

Rural Clinically Integrated Network

Kansas Heart and Stroke Collaborative

- **3-year, \$12.5 million** award from the Center for Medicare and Medicaid Innovation led by the University of Kansas Hospital and a **rural clinically integrated network** including a rural regional referral center, 10 Critical Access Hospitals, primary care providers, and specialists
- Develop a care delivery and payment model to **improve rural Kansans' heart health and heart attack and stroke outcomes** to reduce total cost of care for that population.

Goals

- Reduce total cost of care for target population by **\$13.8 million** (1.9 % savings)
- Reduce deaths from heart and cerebrovascular disease by **20 %**

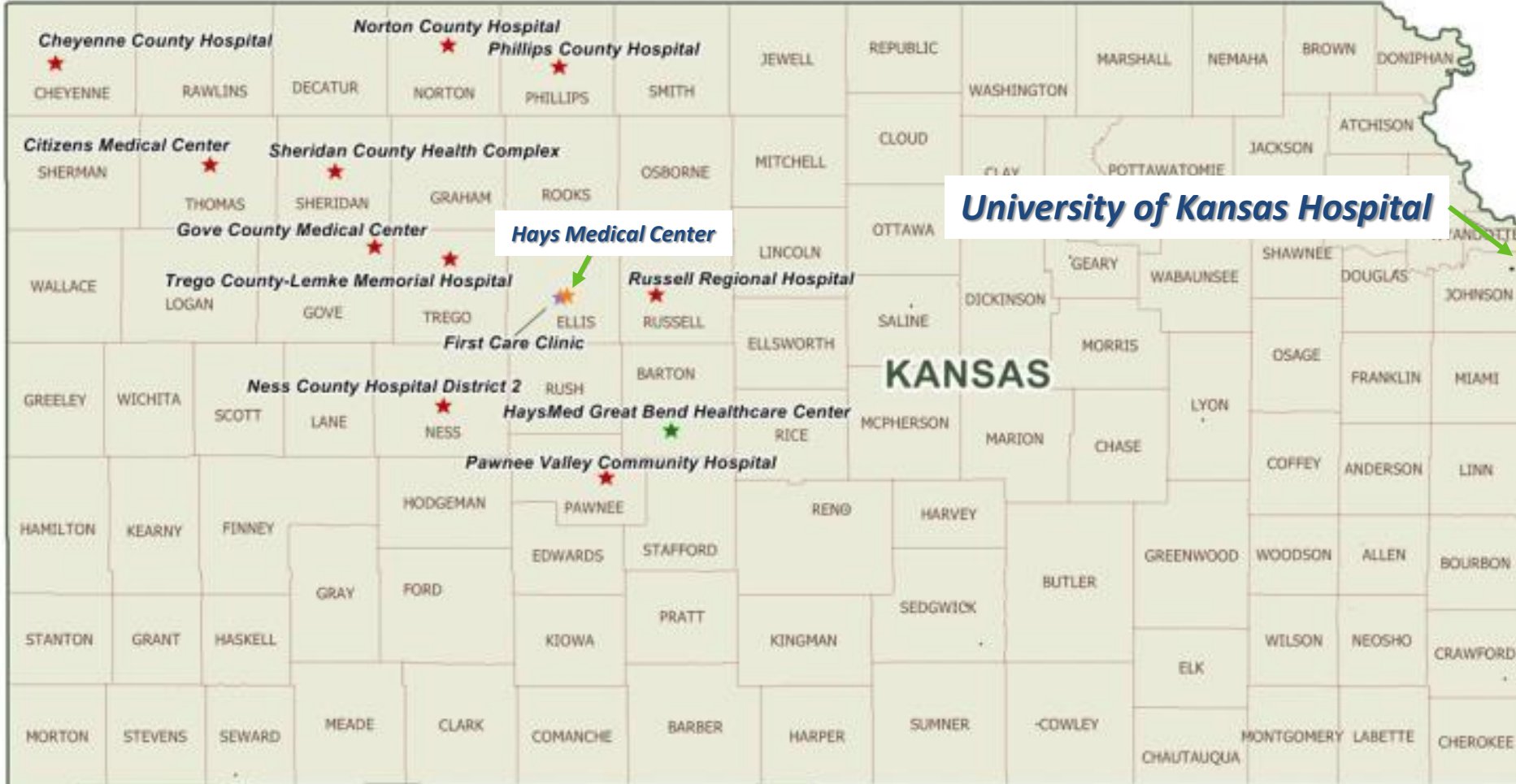
Analytics' Key Role

Functions:

- Identify at-risk patients
- Facilitate interoperable use of population health IT solutions with KHSC staff and vendors
- Track total cost of care for the KHSC patient population

Outcomes:

- Conduct real-time analysis and predictive modeling to develop a transformational payment model that incentivizes and supports treating the target population
- Assist in conducting performance evaluations reported to CMS



Hays Medical Center

University of Kansas Hospital

KANSAS

Cheyenne County Hospital

Norton County Hospital

Phillips County Hospital

Citizens Medical Center

Sheridan County Health Complex

Gove County Medical Center

Trego County-Lemke Memorial Hospital

Russell Regional Hospital

Ness County Hospital District 2

HaysMed Great Bend Healthcare Center

Pawnee Valley Community Hospital

First Care Clinic

Contact Information

Brian A. Worley
President and CEO
PYA Analytics
(865) 862-4196
bworley@pyaanalytics.com