KAIZENOVATE »»

TOPIC CATEGORY: HEALTHCARE TECHNOLOGY

Adjusted Reality: The Three Secrets of Artificial Intelligence and Virtual Care Delivery

CEU Categories: Ethics, Risk Management

Course Description: We are living in an unprecedented time of massive change – certainly in the world at large, and most definitely, in healthcare. While the last decade has focused on the value-based care proposition, triple aim (really quadruple when you include providers), new delivery models, and new payer models, simmering underneath all of those changes is a growing undercurrent with far greater reach. This soon to be tidal wave has the potential for both positive and negative impact. Rapidly evolving technologies – and meeting patients where they are (on their phones!) is creating a massive opportunity to improve patient outcomes and provider income. The application of AI technology is already beginning to have large scale impact. Empowering patients to create improved lifestyle behaviors through mobile app technology drives better patient outcomes. In this course, we will discuss the background data that drove the evolution of the first mobile app in chiropractic to show significant behavior change for patients in attending their prescribed care plan visits and their home exercise adherence. The published study of over 4,000 patients and the second platform in development will be discussed.

Learning Objectives: Can be 1 or 2 hours

1. Hour 1
   a. Ensure the audience understands background data and clinical algorithm technology and its application to healthcare and chiropractic
   b. Ensure the audience understands evidence-based behavior change science and its application to healthcare and chiropractic
   c. Ensure the audience understands data privacy and security technology and its application to healthcare and chiropractic
   d. Review the clinical implications of big data and analytics in a 4,000-plus patient clinical study.
   e. Build knowledge base on how data is being used to understand value creation in today's healthcare system

2. Hour 2:
    a. Examine various clinical use cases of AI in chiropractic, inclusive of outcome improvement and evidence-based care.
    b. Investigate the role of mobile health technology and gamification in enhancing compliance with chiropractic treatment plans and home exercises, including mechanisms for patient and provider behavior change.
    c. Discuss the principles of Remote Therapeutic Monitoring in chiropractic, its impact on patient outcomes, and its role in reducing overall healthcare costs.
    d. Review the mobile health technology of gamification to improve treatment plan and home exercise compliance. Understand the key mechanisms to patient and provider behavior change to drive improved outcomes and create greater value for patients and the healthcare system

References:

1. http://www.dynamicchiropractic.com/digital/index.php?i=1239&a_id=58151&pn=42&r=t&Page=42
2. https://www.forbes.com/sites/bernardmarr/2015/04/21/how-big-data-is-changing-healthcare/#28ad73192873
3. https://www.forbes.com/sites/bernardmarr/2017/11/29/this-is-why-blockchains-will-transform-healthcare/#218e1ad01ebe
4. https://www.ncbi.nlm.nih.gov/pubmed/29805337
5. https://hbr.org/2018/03/ai-will-change-health-care-jobs-for-the-better