INFORMATICS SYMPOSIUM

SEPTEMBER 21, 2018
Northern Kentucky University
Highland Heights, KY

FRIDAY, SEPTEMBER 21	
8:00 AM – 8:30 AM	**SET UP**
8:30 AM	**REGISTRATION**

9:00 AM – 10:00 AM	**SESSION 1**

UK HealthCare Response to the Opioid Crisis
Todd Hjorth, MPA, Associate Director Decision Support, University of Kentucky HealthCare

Abstract
How data analytics help shape the University of Kentucky's response to the opioid crisis

Objectives
1: Define the problem
2: Illustrate the response
3: Show work left to do

Todd Hjorth has spent 25 years in healthcare finance and decision support.

10:10 AM – 11:10 AM	**SESSION 2**

Cost Effective Ways for IT to Support EMRs
Mitch Bryant, IS Support Operations Manager, Norton Healthcare

Abstract
The implementation of new EMRs throughout the industry has greatly increased clinical effectiveness for clinicians and physicians but has also started to strain traditional help desk support service.

Expanding help desk support is a massive challenge with no easy solution, so it is very important that Service Centers find unique and cost-effective ways to support healthcare.

Discover how to bridge the gap for operational clinical support with low-cost, effective methods that provide a comprehensive approach for the entire healthcare system.

Objectives
1: Discover effective, low-cost ways to build support
2: Acquire in-depth training for clinical EMRs
3: Take your IT help desk to the next level

Mitch Bryant is the IS Operations Manager for the Support Center at Norton Healthcare in Louisville, KY, where he manages the support center services teams and telephone operators. Mitch is a certified HDI instructor, with additional certifications in ITIL, KCS, and as HDI Support Center Manager. He is the author of two HDI Focus books and has spent years supporting EMRs.

11:20 AM – 12:20 PM	SESSION 3

Systems Design: A Guide to Getting it Done

Patricia Estes, RN-BC, MSN, CPHIMS, Nurse Informaticist, University of Kentucky
Amanda Altman, RN, BSN

Abstract

Clinical Informaticists possess a unique vantage point in converging clinical and systems knowledge to impact organizational change. Join us as we discuss our lessons learned in creating and applying a standardized healthcare systems analysis tool.

Our adaptation of the IHI's Clinical Microsystems model provides seven integral areas of healthcare systems assessment and implementation. Using this model enables standard processes and checklist principles to ensure inclusion of key areas and stakeholders early in the discovery process and mitigates the risk of gross missteps.

Our discussion includes key questions to ask yourself throughout any change process to reduce the risk of implementation failure, and we will share lessons learned throughout our analysis, design, and implementation experiences.

Objectives

1: Explain the value of IHI Microsystems model
2: Evaluate clinical design using a standard tool
3: Incorporate a standardized tool in any environment

Patricia R. Estes, RN-BC, MSN, CPHIMS, is a clinical informaticist with 12 years of nursing experience and 10 years in healthcare IT.

Amanda Altman, RN, BSN, is a senior clinical systems coordinator with 14 years of nursing experience and 8 years in healthcare IT.

12:30 PM – 1:30 PM	LUNCH

1:30 PM – 2:30 PM	SESSION 4

Data Strategy, IoT, and Analytics Beyond the HER

Shawn Sutherland, CPHIMS, Manager of Patient and Member Outcomes, Information Builders

Abstract

AI, NLP, and Machine Learning are hot topics right now in healthcare analytics. All of these technologies have their place and will grow in use, but they require a data foundation to be truly leveraged. The challenge for healthcare organizations post EHR implementation is setting the data foundation necessary to move into the world of value-based, consumer-driven care. A proper data foundation sets the stage to close the data-to-information gap by properly integrating, enriching, harmonizing, and ensuring its quality.

In PwC's 2018 predictions for healthcare, they accurately forecast that AI will have a role to play in the industry but underscore that it cannot be done without first setting the foundations of Integration, Integrity, and Intelligence.

In this presentation, Shawn will harness 20 years of healthcare experience working for some of the most prestigious hospital systems and ACOs in the south to share key strategies that can accelerate get.

Objectives

1: Understand healthcare data complexity
2: Treat data as an asset to promote change
3: Consumerism in healthcare and ROI support cases

Shawn Sutherland's 20 years' experience ranges from Director of Analytics at UT Southwestern Medical Center to managing BI, value-based quality, and EHR implementation teams at Baylor Scott & White Health System. He has presented at national HIMSS and HDAA conferences, where he is an advisory board member.

2:40 PM – 3:40 PM	SESSION 5

Preparing Infrastructure for Digital Pathology

Cody Bumgardner, PhD, Pathology and Laboratory Medicine, UK HealthCare
Jan Bates, Technology Director, UK HealthCare
Vince Marletta, Account Executive, Windstream Enterprise — Facilitator

Abstract

The approval of digital pathology for primary diagnosis, combined with a reduced cost of whole-genome sequencing, stands to change our thinking of the size and context of patient records. Few enterprise networks, storage, and computational environments are prepared for the increased demands of data elements 30-60x larger than digitized radiology images. This panel discussion will examine the problem, provide real-world insights and network solutions to enable digital transformation here and beyond.

Objectives

1: Discuss requirements for sharing high-res images
2: Increasing demand requirements and network options
3: Digital pathology patient care benefit insights

Cody Bumgardner, PhD, is an Assistant Professor and Director of Informatics within the Department of Pathology and Laboratory Medicine at the University of Kentucky. Over the last 20 years, he has held leadership roles in the areas of IT architecture, software development, communications, research, and healthcare. (cody@uky.edu)

Jan Bates is a senior IT leader at UK HealthCare, an academic medical center in Lexington, KY. As Director of Systems Operations, Jan has oversight for the Data Center, Infrastructure, Networking, Platform, Storage and Virtualization teams. She has over 25 years of Healthcare IT experience. (jwbate0@email.uky.edu)

3:50 PM – 4:50 PM	SESSION 6

The Informatics Pause

Kevin Nortrup, CPHIMS, CSEP, Principal, Sugar Creek Solutions

Abstract

Only a small portion of presently available healthcare data is being utilized. Such concerns can only increase as Big Data, Healthcare Internet of Things, Body-Area Networks, and similar trends stockpile data even faster. Concurrent with this supply-side tsunami of healthcare data, there is also demand-side desperation for data to drive critical healthcare decisions. However, is it enough just to build pipelines between the two sides and then to open the valves?

This presentation underscores the importance of understanding and approaching healthcare as a system; it describes a simple, qualitative model of quality in a systems context; it illustrates the crucial role of Clinical Informatics with respect to quality in healthcare; and it explains how an Informatics Pause can lessen the likelihood of data-driven dysfunction and disaster.

Objectives

1: Describe the systemic nature of hospitals and healthcare
2: Explain the benefit of a qualitative model of quality
3: Discuss Clinical Informatics' role in quality

Kevin Nortrup, CPHIMS, CSEP, graduated summa cum laude from the University of Illinois in computer engineering. He is Principal at Sugar Creek Solutions and a member of SHS, IISE, and INCOSE. He is chapter Secretary for Indiana HIMSS, and he received the 2018 SHS/HIMSS Excellence in Healthcare Management Engineering/Process Improvement Award.

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