

Microsoft HUG Tech Forum

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Saturday, April 4, 2009

Hyatt Regency McCormick Place, Chicago
Regency Ballroom A

- Regulations
- Knowledge Management
- Patient Flow Logistics
- On Demand Clinical Intelligence
- Integration
- And more!

Microsoft
Health Users Group

Microsoft

HIMSS
USERS Groups

Held in conjunction with **HIMSS**09
Annual Conference & Exhibition

Schedule at a Glance

7:00 am – 8:00 am
Registration and Continental Breakfast

8:00 am – 8:15 am
Welcome and Introductions

8:15 am – 9:00 am
Opening Keynote

9:15 am – 10:15 am
Concurrent Education Sessions

10:15 am – 11:15 am
Concurrent Education Sessions

11:15 am – 11:30 am
Break

11:30 am – 12:30 pm
Education Sessions

12:30 pm – 1:30 pm
Lunch

1:30 pm – 2:30 pm
Concurrent Education Sessions

2:30 pm – 2:45 pm
Break

2:45 pm – 3:45 pm
Concurrent Education Sessions

3:45 pm – 4:00 pm
Break

4:00 pm – 4:15 pm
Tech Forum Summation

4:15 pm – 5:00 pm
Closing Keynote

Joint Sessions

Regency Ballroom A

8:00 am – 8:15 am

Welcome and Introductions

8:15 am – 9:00 am

Opening Keynote: Medical Records Are At Risk!

With the rise in medical identity theft and the lack of appropriate security controls to restrict access to authorized individuals, we are witnessing a serious risk to Electronic Protected Health Information (EPHI) that organizations are required to secure. Medical privacy is a critical component of quality medical care. Patients seeking care at a hospital or a health system today are concerned that their private medical information may be accessed inappropriately. In this session, we step through specific examples of breaches that have occurred recently as well as information about key regulations that your organization may need to be compliant with.

Uday Ali Pabrai, CISSP (ISSAP, ISSMP), CSCS
Chief Executive Officer
ecfirst

4:00 pm – 4:15 pm

Tech Forum Summation

4:15 pm – 5:00 pm

Closing Keynote: Regulatory Aspects of Assurance Cases

Assurance cases and, in particular, safety cases have grown in use in recent years. Their growth has been mostly in those areas where regulation is 'soft touch'. Mr. Fitzgerald will explore the possible use of Assurance Cases as part of FDA's role in regulating complex medical devices.

Brian Fitzgerald
Deputy Division Director, Division of Electrical and Software Engineering
US FDA



IT Pro Track

Regency Ballroom A

9:15 am – 10:15 am

Dealing with Tough Knowledge Management Issues with Amalga

Like many other organizations, Seattle Children's has a variety of operational systems including advanced scheduling and billing systems as well as computerized physician order entry. Despite collecting extensive amounts of data, everyone in the organization struggles with finding ways to access this broad collection of electronic data. Access to data is driven by three primary challenges: 1) Providing information to improve the ability to drive groundbreaking research; 2) Providing summary analytical data to improve hospital operations; and 3) Creating solutions to help stop the proliferation of "spread-marts" throughout the organization. Seattle Children's chose to Microsoft's Amalga as the best solution to meet all of these complex needs.

Ted Corbett

*Director, Knowledge Management
Seattle Children's Hospital*

10:15 am – 11:15 am

Designing, Developing, and Implementing an Integrated EHR, CPOE, and eMAR using Microsoft Technologies / Framework / Health Common UI in WPF by Brighton Hospital, Michigan

As a national leader in drug rehabilitation treatment, Brighton Hospital attracts patients coming from all around the United States as well as Ontario and Quebec, Canada. Not more than 2% of US Hospitals have implemented an EHR, CPOE and eMAR. Brighton adopted Microsoft's recommendations on Best Practices for designing and developing an integrated solution with a focus on Substance Abuse along with MCS as its development partner. This paper discusses the use of some of the latest developments, such as, Windows Presentation Foundation, Workflow Foundation, InfoPath & Forms Server, SharePoint Server, BizTalk Accelerator

for HL7 & HIPAA, and Microsoft .net Compact Framework for SmartPhone based Continuity of Care implementation.

Udayan Mandavia

*CEO
MCS-Medical
Communication
Systems, Inc.*

Denise Bertin-Epp

*President and Chief
Nursing Officer
Brighton Hospital,
Michigan*

Frank Sanzone

*CIO
Brighton Hospital,
Michigan*

11:30 am – 12:30 pm

Interoperability Across the Healthcare Organization: Uniting Patient Information with Integrated Document Management and Microsoft Software

Ranked as one of America's top three hospitals by *U.S. News & World Report*, the Cleveland Clinic bridges the gap between various clinical and administrative application using enterprise document management (EDM). The health system has created a comprehensive medical record that promotes interoperability and contributes to better patient care and satisfaction. Hospital software applications often operate independently. At the same time, they need to be a part of larger patient picture that provides a comprehensive view of the patient's medical record. This heterogeneous application environment makes it difficult to have a smooth, efficient flow of information. The Cleveland Clinic has broken these information silos and paper-based processes that plague information unity and slow processes, by scanning and importing documents and data with Hyland Software's OnBase EDM system.

Rob Lipowski

*Lead Systems Analyst,
Information Technology
Cleveland Clinic Health System*

Dan West

*Solutions Analyst
Hyland Software*

1:30 pm – 2:30 pm

Managing Your Healthcare Environment with PowerShell

Healthcare institutions are constantly searching for ways to save on IT expenditures while maintaining a high level of service to their customers. PowerShell, a free command-line shell and scripting language that is integrated with .NET, provides many opportunities for Information System workers to streamline processes and automate repetitive tasks. In this session, learn how Windows PowerShell has assisted with health systems monitoring at the Ohio State University Medical Center by enabling the automation of various processes. See examples of how PowerShell can increase your productivity by exposing the power of .NET, COM, WMI and Active Directory.

Wesley Stahler, MCS D

*Staff Specialist Technology Services – Server Team
The Ohio State University Medical Center*

2:45 pm – 3:45 pm

Solving the Dirty Little Secrets of Archiving with .Net and Assureon

With growing amounts of healthcare data stored locally and in the "cloud," innovative tools are needed to manage and protect that data. While Content Addressable Storage (CAS) archives have numerous benefits that make them a good choice for today's archiving needs, they also have some technical limitations that surprise many customers. Learn how the Microsoft .Net platform was leveraged by Nexsan to obliterate the Dirty Little Secrets of CAS archiving. In this session, the presenter will provide an overview of how Nexsan used Microsoft technology to architect the first .Net archive and the first virtual archive architecture which enables storage-as-a-service and maximizes energy savings in archived data. Hear how three Nexsan customers in the healthcare industry are utilizing this solution for the long-term storage of PACS images, medical records and more, meeting all compliance standards and regulations.

Gregg Pugmire

*EVP Business Development
Nexsan*

Clinical Informatics Track

Regency Ballroom B

9:15 am – 10:15 am

The Future of Patient Flow Logistics: LIVE!

Learn how multiple Microsoft technologies are leveraged and merged to form the underlying foundation for enterprise-wide workflow, visibility, real-time communication, and business insight that drive optimal patient flow logistics and performance improvement for many of the industry's most recognized hospitals.

Chris Aulbach

*VP, Product Management,
Product and Engineering
Premise Corporation*

Craig Gravina

*CTO, Product and Engineering
Premise Corporation*

10:15 am – 11:15 am

On Demand Clinical Intelligence

Clinical Looking Glass is helping to create a culture of improvement at Montefiore Medical Center by providing clinicians, researchers, quality improvement staff and administrators to create and run clinical outcome studies and do patient remediation follow-up in a HIPAA compliant way. Come see this breakthrough tool in action. We will also take a look under the hood at the plethora of Microsoft technologies and recommended practices that have been leveraged.

David Fletcher, MPH

*Director of Product Development
Emerging Health Information Technology
A subsidiary of Montefiore Medical Center*

11:30 am – 12:30 pm

Personal Health Records to Improve Health Information Exchange and Patient Safety

myHealthfolio is a PHR that is hosted by HealthVault and part of a broad Minnesota-based project to implement PHRs throughout the State population. Selected patients,

caregivers, and health providers of Willmar, Minnesota used the myHealthfolio PHR and evaluated what aspects of the PHR would be most helpful in caring for patients. The results found nearly universal interest in using the PHR regularly by both patients and health providers for accessing and exchanging health information including medication and medical history reconciliation and patient education. This session discusses the implications and process in using PHRs for health information exchange and presents results of a study of myHealthfolio that evaluates the PHR features that drive utilization and improve safety and quality of healthcare.

James Friction

*Professor
University of Minnesota*

1:30 pm – 2:30 pm

Verbal Orders via Virtual Clinical Information Agent

Computerized Physician Order Entry systems (CPOE) have proven to be hard to design and implement, costly to deploy and often with limited acceptance by end users. One of main reasons besides their undisputable complexity is the design of the GUIs for such systems. This proposal describes a project at the UCLA Ronald Reagan Medical Center in which a voice user interface (VUI) is used in lieu of the standard GUI. Verbal orders, which are commonly conveyed by physicians over the phone to nurses, can now be entered directly into the Electronic Medical Record by means of a Virtual Clinical Information Agent which can be reached by any phone 24/7. The system uses windows workflow, C# and .NET technologies and was developed using Microsoft Visual Studio 2005 and Microsoft SQL server 2005.

Val Nenov

*Adjunct Professor, Department of Neurosurgery
Ronald Reagan UCLA Medical Center*

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2:45 pm – 3:45 pm

Integration of a Comprehensive Medical and Dental EMR System with Microsoft HealthVault Using Microsoft Silverlight and Microsoft Health Common User Interface (CUI)

Lack of good user experience, practice management integration and easy customizable user interfaces and clinical workflows have been a barrier for healthcare providers in the adoption of clinical applications. Integrating Microsoft HealthVault to a Medical and Dental Electronic health record interface allows healthcare providers to access patient information at the time of visit. Microsoft Silverlight has enabled developers to deliver the next generation of .NET based media experiences and rich interactive applications for the Web. The rich media applications offer a promising avenue for more adoption of clinical applications. Not many clinical applications use rich media to improve the user experience. With an easy to understand interface, rich interactive applications that physicians can customize to suit their needs and integration with Microsoft HealthVault, there is a greater potential of increased adoption of clinical applications.

Anand Gaddum

*Director, Healthcare Practice
iLink Systems*

Scotty Bolding

*Chairman
Ushealthrecord*

