Librarians' EMR Activities at the Claude Moore Health Sciences Library, University of Virginia Health System

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North Atlantic Health Sciences Libraries, Inc.
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The Claude Moore Health Sciences Library
University of Virginia

We are a…

- Mid-sized Academic Medical Library
- Magnet designated Academic Medical Center, Level 1 Trauma Center

Concerned about…

- The Library:
  - Knowledge Management Skills
  - Seamless Integration of Information Resources
  - Metadata Applications & Standards
  - Outreach
- The UVA Health System:
  - Patient Care & Safety
  - EMR Implementation & Optimization
  - Informatics & Achieving Meaningful Use
  - Standards (HL7, SNOMED CT, ICD-9, etc.)

A Quick How to Get Involved…

- Contacts from Library Directors
- Join Committees
- Express Interest at any Opportunity
- Literature Search Requests

“Just in Time!”

Chronology of Past EMR Activities

Date	Activity
May 2007-June 2008	Outpatient Document Inventory
January 2008-October 2008	Order Sets Cleanup
July 2008-November 2008	EMR RFP & Vendor Demos
April 2009-August 2010	EpicCare Design & Validation Teams
May 2010-August 2010	Smart-Set & Order Set Naming

Why is Metadata Important?

FORM NAME	ALTERNATE NAME	DOCUMENT TYPE	SETTING(s)	PROFESSIONAL LEVEL	DEFINITION & DATA ELEMENTS
•H&P (=History & Physical)	•Consult	•H&P	•Inpatient •Outpatient •Pre-op	•Licensed •Professional •Medical Students (some elements)	•Per JCAHO •Demographics •HPI • PMH • ROS • PE • Social Hx • Family Hx •Medications •Allergies • Assessment Plan

More Metadata Applications: Naming Conventions

SMART SET PROCEDURAL
Specialty Code – Subject – Procedures – UVA

ORTHO PROCEDURES UVA

SMART SET NON-PROCEDURAL
Specialty Code – Subject – Subject Modifier – Other Modifier – UVA

FAM ANNUAL PHYSICAL MALE GERIATRICS UVA

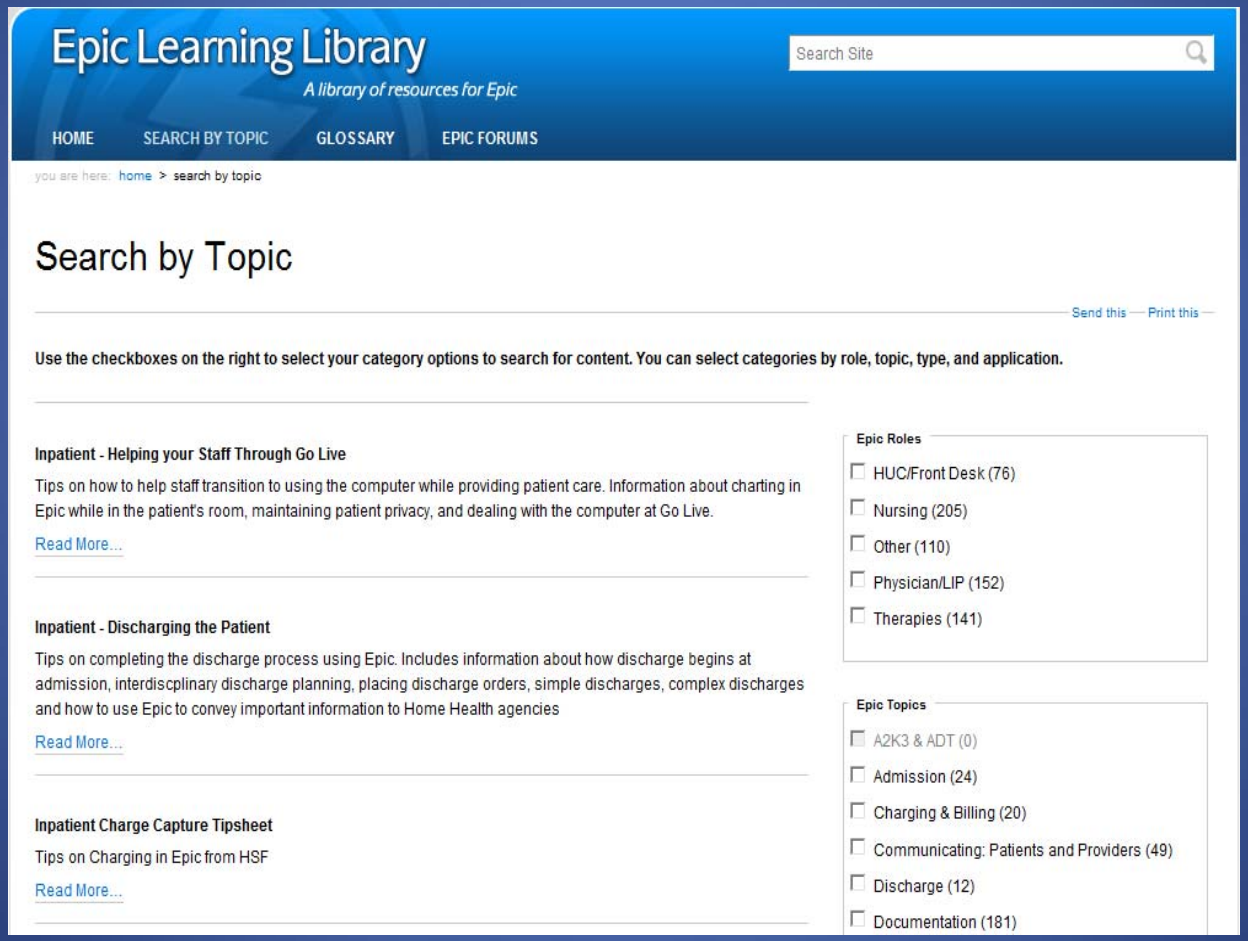
ORDER SET
Specialty Code – Subject – Subject Modifier – Type – UVA

VASC CAROTID ENDARTERECTOMY POST –OP UVA

Creating Standards: Subject Modifier Table

Modifier Code	Complete Name of Modifier
ADULT	Adult
ALG	Algorithm
AP	Assessment/Plan
CHRONIC	Chronic
DEPT	Department
FOLLOW UP	Follow up; don't use FU
GENERAL	General; don't use "GEN"
H&P	History & Physical
HPI	History of Present Illness
INITIAL VISIT	Initial visit; don't use IV

Current New Project:
The Epic Learning Library



Very New Project:
EpicCare Command Center
Data Analysis - Outpatient

- What were the frequently occurring issues?
- What was the response time to answering critical calls?
- What was a new workflow issue?
- What was an old workflow issue?

Data Analysis Aids in Knowledge Management, Teaching, and Training

"An understanding of biomedical informatics will assist future physicians as they decide not only what they need to know but also how to find what they need to know in the information infrastructure."

William W. Stead et al.
"Biomedical Informatics: Changing What Physicians Need to Know and How They Learn." *Academic Medicine* [Epud Ahead of Print] Web 27 August 2010.
DOI: 10.1097/ACM.0b013e3181f41e8c

The Need for Informatics

"…helping people to revisualize and redesign their information management skills and learn new ways of using clinical data to manage clinical practice and patient care. Informaticians are prepared to facilitate the transition process."

Sharon McLane, James P. Turley
"Informaticians: How They May Benefit Your Healthcare Organization."
Journal of Nursing Administation 2011 January 41 (1): 30
DOI: 10.1097/NNA.0b013e3181fc19d6

Informatics Involves…

- Information & Knowledge Resources
- Language & Terminology
- Environment & Culture of the Institution
- Integration of People
- Integration of Technology
- Integration of Procedures & Workflow

Future Projects & Roles

- MyChart Enhancements
- Library Representation in the Informatics Group
- EpicCare Command Center Data Analysis - Inpatient

Thanks!

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