

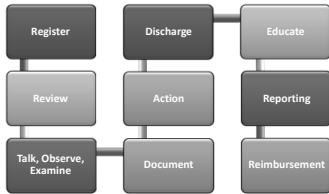
Unit 2 Part 2: "Under the Hood"

Component 7 – Working with HIT Systems

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Care Processes - HIT Support

- Registration
 - Admission, Discharge Transfer Systems (ADT)
 - Bed Management Systems (BMS)
 - Unique Identifier – i.e. Medical Record Number (MRN)



Component 7/Unit 2

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2

Care Processes - HIT Support

- Reviewing Patient Information
 - Retrieve patient record
 - Verifying demographics, etc.
 - Past medical history, etc.
- Talking, Observing, Examining



Component 7/Unit 2

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Version 2.0/Spring 2011

3

Care Processes - HIT Support

- Documentation
 - Copious
 - Pick lists, Voice Recognition, Structured Notes, Integrated Records, Patient-Centered, Kiosks, PHRs.....
 - Knowledge Resources & Decision Support

The slide shows a screenshot of the COCHRANE LIBRARY search interface on the left and a process flow diagram on the right. The diagram consists of a 3x3 grid of boxes: Register, Discharge, Educate (top row); Review, Action, Reporting (middle row); and Talk, Observe, Examine, Document, Reimbursement (bottom row). Lines connect the boxes horizontally and vertically.

Component 7/Unit 2 Health IT Workforce Curriculum Version 2.0/Spring 2011 4

Care Processes - HIT Support

Taking Action Performing/Ordering/Reviewing

- CPOE – Computerized Prescriber Order Entry
 - E-prescribing, Consults, Treatments, Diets, Labs, Tests...
- Guideline based Care <http://www.guideline.gov/>

The slide features an image of hands holding a pen over a document on the left and a process flow diagram on the right. The diagram is identical to the one in the first slide, showing a 3x3 grid of boxes: Register, Discharge, Educate; Review, Action, Reporting; and Talk, Observe, Examine, Document, Reimbursement.

Component 7/Unit 2 Health IT Workforce Curriculum Version 2.0/Spring 2011 5

Care Processes - HIT Support

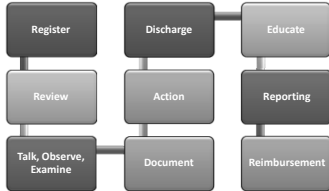
- Pre-Discharge/Discharge
 - Ties into ADT, bed management, discharge planning.....
- Education

The slide includes an image of a patient at a computer kiosk on the left and a screenshot of a medication list on the right. The medication list shows three entries: AZMACORE AERS 100 MCG/ACT IN, LINDINORAL TABS 10 MG O/E, and ALBUTEROL AERS 90 MCG/ACT IN. Each entry includes instructions and a 'Request a renewal' link. Below the list is a section for 'Personal notes about my medications' with a text input field.

Component 7/Unit 2 Health IT Workforce Curriculum Version 2.0/Spring 2011 6

Care Processes - HIT Support

- Reporting & Reimbursement
 - External (CDC, Immunization Registries, CMS, etc.) & Internal (Practice Improvement, Trending, etc.)
 - \$\$\$




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Version 2.0/Spring 2011

7

Summing Up Unit 2

- HIT support for care processes are similar and dissimilar depending on setting
- Core functions remain static
- Emerging sites of care & transformation of healthcare point to needs for information exchange/interoperable systems
 - Teams
 - Patients at the core
 - Shift away from acute to ambulatory
- HIT – pathway to  safety/quality/effectiveness

Component 7/Unit 2

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Version 2.0/Spring 2011

8



Component 7/Unit 2

Health IT Workforce Curriculum
Version 2.0/Spring 2011

9

References

- Middleton B, Ghandi T, & Bates D. The Role of Information Technology in Ambulatory Care Safety. 2002. Available from: http://www.partners.org/cird/pdfs/Middleton_FINAL_paper.pdf
- National Center for Research Resources. Electronic Health Records: An Overview. 2006. Available from: <http://www.ncrr.nih.gov/publications/informatics/EHR.pdf> (Use Chapters 1 & 2)
- Wager K, Lee F, & Glaser J. Managing Health Care Information Systems: A Practical Approach for Health Care Executives. 2009. Available from: www.uiowa.edu/.../12052003/year.html

Component 7/Unit 2

Health IT Workforce Curriculum
Version 2.0/Spring 2011

10
