

## Component 11: EHR Implementation In Specific Settings

### Unit 9: EHR Implementation in Specific Settings

#### Lecture 5

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## Understanding the Long- Term Care Setting

- Patients are usually called residents.
- Residents generally need assistance with activities of daily living (ADL)

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## Long Term Care Accreditation and Licensure

- Long term care is highly regulated.
- Federal regulations applying to Medicare and Medicaid
- State Licensure laws
- Surveys in response to state complaint investigations

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## Documentation Requirements

- Resident Assessment Instrument (RAI)
  - Minimum Data Set (MDS)
  - Resident assessment protocols (RAPs)
  - Utilization guidelines from the State Operations Manual

Center for Medicare and Medicaid Services, State Operations Manual Available from:  
<https://www.cms.gov/Manuals/ICM/list.asp>

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## Minimum Data Set

- The Minimum Data Set (MDS) is electronically submitted and is key to planning care
  - The repository is used to develop quality measures
  - The MDS is an assessment tool that is done at regular intervals
  - Information about the resident's health, physical functioning, mental status and general well being is collected
  - The information is used to develop and update care plans
- Version 3.0 has been implemented and technical assistance for implementation is available from CMS.
  - Version 3.0 mandates inclusion of the resident- giving them voice in their care
  - Family, guardians, and significant others may also be included
- The CMS website provides in depth information about the MDS ([http://www.cms.gov/MLNGenInfo/01\\_overview.asp](http://www.cms.gov/MLNGenInfo/01_overview.asp) and <http://www.cms.gov/MDSPubQandResRep/>)
  - Training materials
  - Technical specifications including software
  - Provider information
  - Vendor information

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## EHR in Long-Term Care

- Highly regulated
- Standard data set that is easily automated
- Workflow issues similar to acute care
- Budgets are lower
- Decision making demands are less

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## Drivers for EHR Adoption in LTC

What is driving the growth in EHRs in Long Term Care? In a Practice Brief from the American Health Information Management Association the following have been identified

1. Changing consumer expectations.
2. Quality of care and patient safety.
3. Administrative efficiency and effectiveness.
4. New business models.

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## Changing Consumer Expectation

- Culture shift: families and residents want electronic access to one another
- Families expect electronic communication with LTC to provide personal health information on resident.
- Consumer centric care and transparency is expected

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## Quality of Care and Patient Safety

“Implementing an EHR in an LTC facility can improve the quality of care depending on the software system and how it is implemented, utilized, and nurtured.” Practice Brief, AHIMA

- Reduction in medication-related errors
- Improved clinical documentation and decision making
- Health information exchange
- Tele-health and telemedicine

AHIMA. “EHR Adoption in LTC and the HIM Value.” *Journal of AHIMA* 82, no.1 (January 2011): 46-51 (expanded online edition).

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## Administrative Efficiency and Effectiveness

- Improved data analysis and audits
- Coding and links to billing
- Going green storage expenses

AHIMA. "EHR Adoption in LTC and the HIM Value." *Journal of AHIMA* 82, no.1 (January 2011): 46-51 (expanded online edition).

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## New Business Models

- Business partners such as acute care and ambulatory care may look to share information for coordination of care.
- Move towards accountable care organizations and bundled payments may influence new delivery models.

AHIMA. "EHR Adoption in LTC and the HIM Value." *Journal of AHIMA* 82, no.1 (January 2011): 46-51 (expanded online edition).

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## Long Term and Post-Acute Care (LTPAC) Collaborative

- Group of stakeholders with common interests and vision for health information technology in a broad range of providers:
  - Home and community-based services
  - Nursing homes
  - Assisted living
  - Long-term acute care hospitals,
  - Rehabilitation and post-acute care facilities
  - And many others
- Published "A Roadmap for Health IT in Long Term Care and Post Acute Care 2010-2012"

LTPAC HIT Collaborative. A Roadmap for Health IT in Long Term and Post-Acute Care (LTPAC). [cited 2011 March 11]. Available from: [http://library.ahima.org/xpedio/groups/public/documents/ahima/bck1\\_047578.pdf](http://library.ahima.org/xpedio/groups/public/documents/ahima/bck1_047578.pdf)

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## Roadmap for LTPAC

Prioritizing three sets of efforts:

1. Advocating for full participation, consideration, and benefits in national, state, and regional HIT efforts and incentives
2. Promoting effective demonstration and adoption of HIT by the LTPAC including EHR certification
3. Promote a person-centered vision of health and wellness across the health care spectrum of care

LTPAC HIT Collaborative. A Roadmap for Health IT in Long Term and Post-Acute Care (LTPAC). [cited 2011 March 11]. Available from: [http://library.ahima.org/xpedio/groups/public/documents/ahima/bok1\\_047578.pdf](http://library.ahima.org/xpedio/groups/public/documents/ahima/bok1_047578.pdf)

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## Future of EHR in LTC

- Growth is inevitable as electronic information exchange grows in other sectors
- Aging population will be expecting different services in long-term care that include EHRs
- Strong support from community of providers of long term care and post acute care

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## Tiger Place Senior Housing

- Reasons for EHR
  - When there are episodes of illness there is functional decline of residents
  - Looking at how to find earlier recognition of illness
  - Offering timely intervention designed to improve functional decline

Developing a Comprehensive Electronic Health Record to Enhance Nursing Care Coordination, Available from: <http://elidtech.missouri.edu/files/Papers/Pantz/Developing%20a%20Comprehensive%20Electronic.pdf>

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## Emphasis on Increased Quality

- Intent was to enhance nurse care coordination
- Integrate clinical data and using data from new technology
- Advance technology and clinical research

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## Technology That Replaces "EYES ON"

- Technology could assist with physiologic sensor activities
    - Motion sensors
    - Stove sensor
    - Bed sensor
    - All developed by University of Virginia
- 26 apartments in the Tiger Place had motion sensors, bed sensors, and stove sensors installed.

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## EHR Database/Secure Interfaces

- Includes standardized assessments of residents
  - Customizable access for
    - Researchers
    - Clinicians
    - Family members
    - Residents
- HIPAA rules do apply**

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## Resources

- A Roadmap for Health IT in Long Term and Post-Acute Care (LTPAC) Available from: [http://library.ahima.org/xpedio/groups/public/documents/ahima/bok1\\_047578.pdf](http://library.ahima.org/xpedio/groups/public/documents/ahima/bok1_047578.pdf)
- Amatayakul, Margaret K., Electronic Health Records: A Practical Guide for Professionals and Organizations, Fourth Edition, Chicago: AHIMA, 2009.
- Peden, Ann H., Comparative Records for Health Information Management, Albany, NY: Thomson Learning, 2005.
- Practice Brief, EHR Adoption in LTC and the HIM Value, Available from: [http://library.ahima.org/xpedio/iddpplg?ldcService=GET\\_HIGHLIGHT\\_INFO&QueryText=xPublishSite+%3Csubstring%3E+BoK+%3CAND%3E+\(xSource+%3Csubstring%3E+AHIMA+Practice+Brief+%3CNOT%3E+xSource+%3Csubstring%3E+AHIMA+Practice+Brief+attachment%3E+SortField=xPubDate&SortOrder=Desc&dDocName=bok1\\_048551&HighlightType=HtmlHighlight&dWebExtension=http](http://library.ahima.org/xpedio/iddpplg?ldcService=GET_HIGHLIGHT_INFO&QueryText=xPublishSite+%3Csubstring%3E+BoK+%3CAND%3E+(xSource+%3Csubstring%3E+AHIMA+Practice+Brief+%3CNOT%3E+xSource+%3Csubstring%3E+AHIMA+Practice+Brief+attachment%3E+SortField=xPubDate&SortOrder=Desc&dDocName=bok1_048551&HighlightType=HtmlHighlight&dWebExtension=http). See also, Appendix B: Vendor questionnaire for EHR system selection
- Centers for Medicare and Medicaid for Nursing Homes. Available from: <https://www.cms.gov/NursingHomeQualityInits/>
- Center for Medicare and Medicaid Services, State Operations Manual Available from: <https://www.cms.gov/Manuals/IOM/list.asp>
- Stratis Health website, health IT, nursing home tool kit. Available from: <http://www.stratishealth.org/expertise/healthit/nursinghomes/nhtoolkit.html>
- Developing a Comprehensive Electronic Health Record to Enhance Nursing Care Coordination, Available from: <http://eldertech.missouri.edu/files/Papers/Rantz/Developing%20a%20Comprehensive%20Electronic.pdf>