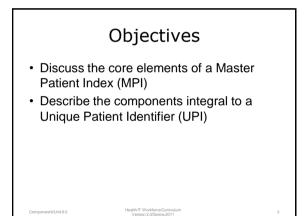


Unit 9-2 Administrative, Billing, and Financial Systems

This material was developed by Duke University, funded by the Department of Health and Human Services, Office of the National Co Health Information Technology under Award Number IU240C000024.



Patient Management and Billing

 Systems that support patient management functions

- Example

nt 6/Unit 9-2

- Patient identification
 - Master patient index

Vogel, LH, Perreault, LE., Management of Information in Healthcare Organizations, Shortliffe, EH. editor, Biomedical informatics: computer applications in health care and biomedicine. 3rd Edition. 2006

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Master Patient Index (MPI) An index referencing all patients known to an area, enterprise or organization Synonyms Patient Master Index (PMI)

- Master Person Index
- Enterprise Master Patient Index (EMPI)

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http://en.wikipedia.org/wiki/Master_Patient_Index

Master Patient Index

• AHIMA definition:

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 List or database created and maintained by a healthcare facility to record the name and identification number of every patient who has ever been admitted or treated in the facility

Pocket Glossary Health Information Management and Technology, AHIMA

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Purpose of the MPI

- Provides the index, location of, and access to a patient's EHR in an enterprise
- Facilitates intraoperability and the accurate creation of a longitudinal record
- Ensures accurate and complete linking of EHRs for HIE

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Reconciling and Managing EMPIs, AHIMA

Purpose of the MPI

- Establishes a streamlined governance process
- Accurately matches persons being registered for care with their existing medical records

Reconciling and Managing EMPIs, AHIMA

Core Elements of a MPI

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- Person name
- · Alias/previous/maiden names
- Date of birth
- Address

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- Telephone number
- · Health record number

AHIMA, 2010

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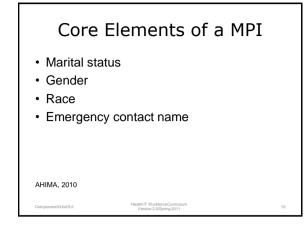
Core Elements of a MPI

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- Account/visit number
- · Name of attending physician
- Admission/encounter/visit date
- · Discharge or departure date
- · Patient disposition

AHIMA, 2010

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Unique Patient Identifier (UPI)

- Value permanently assigned to an individual for identification purposes
- Unique across the entire national healthcare system
- · Not shared with any other individual

National Committee on Vital and Health Statistics

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Functions a UPI Must Support

- · Identification of an individual
- Identification of information
- · Accurate identification functions
- Reduce healthcare operational cost and enhance the health status of the nation

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Components Integral to UPI An Identifier scheme Identification information Permanent data segment Longitudinal data segment Health service data segment

Components Integral to UPI

Index

- Organizational MPI
- Enterprise-wide MPI
- Registry MPI
- Information from previous episodes of care and different sites of care

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Components Integral to UPI

- · Mechanism to hide or encrypt the Identifier
- Technology infrastructure to search, identify, match, encrypt, etc.
- Administrative infrastructure including the Central Governing Authority

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Processes Integral to Patient Identification

· Scope of access

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- Within a single organization
- Enterprise wide access
- Nation wide access

National Committee on Vital and Health Statistics

Summary

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- Definition and core elements of a master patient index
- Current trends in establishing a national or unique patient identifier

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