CMS’ CROWNWeb Application
ICD-10 Codes and the Impact on CROWNWeb

Featuring
The Renal - Requirements, Communication, and Training (RCT) Contractor
and
3M Health Information Systems
Today’s Hosts

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Renal - Requirements, Communication, and Training (RCT) Contract

Michael Seckman is the Senior Trainer for the RCT team. He has 20 years experience in dialysis and 15 years in adult training. Mike was a Board of Nephrology Examiners Nursing and Technology (BONENT) Certified Hemodialysis Technician (CHT) for 10 years and conducted clinical in-services in hemodialysis clinics for a major dialysis manufacturer. He develops eLearning materials for the Project CROWNWeb website.
Patricia S. Wilson

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Patricia S. Wilson is a Senior Data Analyst for 3M Health Information Systems. As team lead for the company’s Healthcare Data Dictionary (HDD), Ms. Wilson is responsible for process flow, standard operating procedures, and job assignments. She is a member of the American Health Information Management Association (AHIMA), a voting member of International Health Terminology Standards Development Organisation (IHTSDO) Mapping Work Group, and member of the Logical Observation Identifiers Names and Codes (LOINC©).
What is the International Classification of Diseases (ICD)?
ICD Early History

- Used to provide standard classification of diseases for the purpose of health records
- 1700s: First attempt to classify diseases systematically by François Bossier de Lacroix
- 1891: Adoption of International List of Causes of Death developed by Jacques Bertillon
- 1898: Adoption of Bertillon Classification recommended by American Public Health Association for Canada, Mexico, and USA

Source: http://www.who.int/classifications/icd/en/HistoryOfICD.pdf
ICD Early History

- 1938: Adoption of International Lists of Diseases incorporated in Fifth Revision of International List of Causes of Death
- 1948: Responsibility of International Lists of Diseases of Death entrusted to World Health Organization (WHO)
- 1977: Publication of Ninth Revision of International Classification of Diseases (ICD)

Source: http://www.who.int/classifications/icd/en/HistoryOfICD.pdf
ICD Future Plans

- WHO’s preparation for Tenth Revision of ICD

- Tenth Revision includes more detailed classifications of disease causes and morbidity

- Tenth Revision of ICD used by other countries as early as 1994

- United States preparing to adopt Tenth Revision of ICD in October 2013

Source: http://www.who.int/classifications/icd/en/HistoryOfICD.pdf
ICD-10 and Its Impact on CROWNWeb
How Does ICD-10 Affect CROWNWeb?

On an Initial 2728, the Primary Cause Of Renal Failure is currently an ICD-9 code.
ICD-10 in CROWNWeb

CROWNWeb will contain the ICD-10 codes effective October 1, 2013.
Two-Step Approach: 4010 and 5010
Two-Step Approach

- Health Insurance Portability and Accountability Act of 1996 (HIPAA)
  - Requires Secretary of the Department of Health and Human Services (HHS) to adopt standards that must be used when electronically conducting certain healthcare administrative transactions

- Version 4010 currently in use

- Electronic billing may be submitted by 4010 or 5010.
4010A to 5010

- Increase Transaction Uniformity
- Support Pay for Performance
- Streamline Reimbursement
- Prepare for Conversion to ICD-10
- Increase the Diagnosis Codes Allowed on a Claim to 25
5010 Timeline

2011
- Jan. 1
  - Began testing with payers and providers
  - Began accepting Version 5010 claims (4010A continues)
  - Complete testing in December 2011

2012
- Jan. 1
  - All electronic claims must use 5010—4010A no longer accepted
ICD Coding: 
The Road Ahead
How Many Additional Codes?

- ICD-10 allows for more specification when submitting information.
- ICD-9 has 17,000 classifications of medical tests, diagnosis, and procedures.
- ICD-10 has approximately 155,000.
- Increase will allow for more specific detail.
Countries Using ICD-10

- Sweden
- Finland
- Poland
- Ireland
- UK
- Denmark
- Norway
- Iceland
- Germany
- Czech Republic
- The Netherlands
- France
- Austria
- Switzerland
- Canada
- Costa Rica
- Venezuela
- Colombia
- Brazil
- Argentina
- Japan
- China
- Thailand
- Singapore
- Australia
- New Zealand
ICD-9 Coding

Under the current ICD-9 codes, treatment would be billed as:

- E906.5 Bite by unspecified animal
  - Animal bite NOS
Proposed ICD-10 Coding

2010 ICD-10-CM External Cause Index > B Terms >

Bite, bitten by:
- alligator W58.01
- arthropod (nonvenomous) NEC W57
- bull W55.21
- cat W55.61
- cow W55.24
- crocodile W58.11
- dog W54.0
- goat W55.31
- hoof stock NEC W55.31
- horse W55.11
- human being (accidentally) W50.3
- with intent to injure or kill Y04.1
- as, or caused by, a crowd or human stampede (with fall) W52
- assault Y04.1
- homicide (attempt) Y04.1
- in fight Y04.1
- insect (nonvenomous) W57
- lizard (nonvenomous) W59.01
- mammal NEC W55.89
- marine W56.89
- marine animal (nonvenomous) W56.89
- millipede W57
- mammal NEC W55.81
- moray eel W56.51
- mouse W53.01
- person(s) (accidentally) W50.3
- with intent to injure or kill Y04.1
- as, or caused by, a crowd or human stampede (with fall) W52
But Wait….There’s More
What Can I Do to Prepare?

1. Talk to your current software vendor.
2. Talk to your clearinghouse or billing service if you use one.
3. Identify data reporting changes.
4. Identify potential changes to practice work flow.
5. Identify staff training needs.
6. Test with your clearinghouse or billing service.
7. Budget for implementation costs.
Welcome to the Centers for Medicare & Medicaid Services (CMS) ICD-10 Web site. Here you will find:

- Resources to help you prepare for the U.S. health care industry’s change from ICD-9 to ICD-10 for medical diagnosis and inpatient procedure coding
- Links to CMS Version 5010 information

These two transitions will require system and business changes throughout the health care industry. ICD-10 will affect coding for everyone covered by the Health Insurance Portability and Accountability Act (HIPAA), not just those who submit Medicare claims.
These GEMs may be more valuable to you than diamonds or other minerals.

**Generic Equivalence Maps** (GEMs convert ICD-9 to ICD-10 or ICD-10 to ICD-9).
Standardization of CMS Form 2744 (A&B) Using LOINC®
“In attempting to arrive at the truth, I have applied everywhere for information, but in scarcely an instance have I been able to obtain hospital records fit for any purpose of comparison. If they could be obtained, they would enable us to decide many other questions... They would show [subscribers] how their money was being spent [and] what amount of good was really being done with it...”

Florence Nightingale - Notes on a Hospital, 1873
Need for standardization through the Office of the National Coordinator for Health and Information Technology (ONC)

Data can be stored in three categories

- Narrative (free) text
- Structured data
  - Standardized
  - Not standardized
- Images
Goals of ONC

- **Interoperability** – the ability to exchange information between organizations

- **Comparability** – the ability to ascertain the equivalence of data from different sources

- **Data Quality** – the measurement of completeness, accuracy, and precision
In 2007, Consolidated Health Informatics (CHI) adopted LOINC® as standard for federally-required assessments:

- Assessment forms that include functioning and disability content
Brief History of LOINC®

- Logical Observation Identifier Names and Codes
- Organized by Clement McDonald, 1994
- Managed by Regenstrief Institute
- Create a universal language for observation identifiers
- Laboratory observations created first
Brief History of LOINC®

- Creation of clinical observations began in 1996.
- Survey instruments were added as part of CHI initiative for disability and assessments in 2007.
LOINC® Format for Surveys

- Consider existing survey and assessment instruments
- Guide clinical decisions
- Monitor health and functional status
- Assess service needs
- Evaluate treatment outcomes
- Stay consistent with Health Level Seven (HL7) message structure
General Comments

- Terms to be built based on comments from LOINC® Committee
- Desire for interoperability with other government agencies
- Additional CMS ESRD Surveys are candidates for LOINC®:
  - CMS Form 2728 - ESRD Benefits Enrollment
  - CMS Form 2746 - ESRD Death Notification
Next Steps

- Finalize submission of new terms for CMS Form 2744 (A&B) at end of February 2011 for consideration of incorporating into LOINC® version due June 2011

- Model additional Kidney Data Dictionary (KDD) elements for submission to LOINC® committee or other standard development organizations

- Report findings and recommendations for establishing interoperability
CMS
Comments and Wrap-Up
Final Comments
Questions
Our Next Session

CMS Community WebEx:
TBD

Date: March 31, 2011
Time: 2pm - 3pm ET
Thanks!

For Further Information...

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