



# H·CUP

HEALTHCARE COST AND UTILIZATION PROJECT

## HCUP Partner Workgroup ICD-10 Implementation Considerations

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Anne Elixhauser, PhD

Pam Owens, PhD

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Agency for Healthcare Research and Quality

Advancing Excellence in Health Care • [www.ahrq.gov](http://www.ahrq.gov)

- **Anne Elixhauser**
  - Developed diagnosis and procedure tools for ICD-9-CM
  - Leading conversion of HCUP tools to ICD-10
- **Pam Owens**
  - Leading conversion of AHRQ Quality Indicators to ICD-10

# Introductions - States

- Introduce yourself (name, state, organization)
- And share with the group:
  - One major ICD-10 challenge you're still facing
  - [OR]
  - One challenge that you've conquered

# Introductions

- **CA:** Jonathan Teague,  
Muree Larson
- **CO:** Scott Anderson,  
Bob Finn
- **CT:** Mary Lyon,  
Joanne Testa
- **FL:** Adrienne Henderson
- **GA:** Faizah Muheb
- **HI:** Jill Miyamura
- **IA:** Sara Hayes,  
Kathy Trytten
- **IN:** Bernie Ulrich
- **KS:** Sally Perkins
- **LA:** Robert Starszak
- **MD:** Oscar Ibarra,  
Denise Johnson,  
Leslie LaBrecque,  
Mariam Rahman  
Kai Ing Duh
- **MI:** Chris Leong
- **MO:** Cerise Seifert
- **MS:** Traci Breland
- **NC:** Denise Kirk,  
Charlotte Williams
- **NE:** Kevin Conway,  
Cindy Vossler
- **NJ:** Abate Mammo
- **NM:** Nicole Katz
- **NY:** Stephen Dybas,  
Elaine Regilski
- **OH:** Heidi Brown,  
Maria Duque
- **OR:** Steven Ranzoni
- **PA:** Charles Wentzel
- **RI:** Ted Donnelly,  
Kathy Taylor
- **SC:** Wendy Cimino,  
Dianne Davis
- **TN:** Jean Young
- **TX:** Bruce Burns,  
Susan Lou
- **UT:** Mathew Christensen,  
John Morgan
- **WA:** Julie Rhodes,  
Richard Ordos
- **WI:** Debbie Rickelman
- **WV:** Shelley Baston,  
Sharon Hill
- **WY:** Barry Burkart

# Objective of Meeting

- **HCUP is starting a workgroup on ICD-10**
  - First meeting today
  - Future webinars as needed
  - Topics depend on your feedback
  
- **Objective for today's meeting: Get your input on—**
  - Planning ICD-10 workgroup activities
  - What future topics?
  - Who would you like to hear from?

# Background on HCUP Activities so Far

- **ICD-10 will be implemented nationally on 10/1/14**
  - All covered entities required to transition
- **HCUP has been preparing for ICD-10**
  - Participated in beta-testing of 3M CTT (Coding Translation Tool)
- **Converting all ICD-based tools from ICD-9 to ICD-10**
  - Beta versions made available early 2013:
    - Clinical Classifications Software (single-level only)
    - Comorbidity Measures
    - Chronic Condition Indicator
    - Procedure Classes

### ICD-10-CM/PCS Versions of HCUP Tools (Beta)

In preparation for the October 2014 implementation of ICD-10-CM/PCS, the diagnosis and procedure coding system. This page contains the beta versions of these tools.

Validating beta tools now  
and in early 2014

**Clinical Classification Software (CCS) Program File.** The Clinical Classifications Software (CCS) is a tool for clustering patient diagnoses and procedures into a manageable number of clinically meaningful categories. The single-level CCS for diagnoses contains about 260 categories and the single-level CCS for procedures contains 235 categories. (Note that the multi-level CCS could not be converted to ICD-10-CM/PCS because the specificity of the new ICD codes did not match the structure of the multi-level CCS.) See the description of the [CCS](#) for more details.

- [CCS for ICD-10-CM Diagnoses Program File](#) (in ZIP format).
- [CCS for ICD-10-PCS Procedures Program File](#) (in ZIP format).

**Procedure Classes Program File.** The Procedure Classes provide users an easy way to categorize procedure codes into one of four broad categories: Minor Diagnostic, Minor Therapeutic, Major Diagnostic, and Major Therapeutic. See the description of the [Procedure Classes](#) for more details.

- [Procedure Classes for ICD-10-PCS Program](#) (in ZIP format).

**Chronic Condition Indicator Program File.** The Chronic Condition Indicator program provides an easy way for users to categorize ICD-9-CM diagnosis codes into one of two categories: chronic or not chronic. See the description of the [Chronic Condition Indicator](#) program for more details.

- [Chronic Condition Indicator for ICD-10-CM Program](#) (in ZIP format).

**Comorbidity Software Program File.** The Comorbidity Software assigns variables that identify comorbidities in hospital discharge records using ICD diagnosis coding. See the description of the [Comorbidity Software](#) for more details.

- [Format Program: Creation of Format Library](#) (ASCII file, 1.0 MB).
- [Analysis Program: Creation of Comorbidity Variables](#) (ASCII file, 15 KB).

We welcome comments. If you have questions or suggestions for changes, please contact [hcup@ahrq.gov](mailto:hcup@ahrq.gov).

# Background (cont'd)

- **Converting AHRQ Quality Indicators to ICD-10**

- Federal register notice just published:

- <http://www.qualityindicators.ahrq.gov/icd10/default.aspx>

- Text of notice, with instructions for comments:

- <https://www.federalregister.gov/articles/2013/11/26/2013-28282/review-of-proposed-changes-with-icd-10-cmpcs-conversion-of-quality-indicatorstm>

**AHRQ** Agency for Healthcare Research and Quality  
Advancing Excellence in Health Care

**AHRQ Quality Indicators™** Home Modules Software News Resources FAQs & Support Archives Search AHRQ™ Search

### Review of Proposed Changes with ICD–10–CM/PCS Conversion of AHRQ Quality Indicators™ (QI)

The Agency for Healthcare Research and Quality (AHRQ) seeks comments on the proposed conversion of the AHRQ Quality Indicators™ to the International Classification of Diseases, 10th Edition, Clinical Modification/Procedure Coding System (ICD-10-CM and ICD-10-PCS) codes. These changes would be applicable to hospital discharges occurring on or after October 1, 2014.

**CODES FOR REVIEW:** There are four modules of the AHRQ Quality Indicators (QI): the Prevention Quality Indicators (PQI), Inpatient Quality Indicators (IQI), Patient Safety Indicators (PSI) and Pediatric Quality Indicators (PQI). Together the modules include 101 AHRQ QI. All of the AHRQ QI are proposed to undergo conversion to ICD-10-CM/PCS.

The proposed changes for each of the AHRQ QI have been formatted as a series of spreadsheets containing the current International Classification of Diseases, 10th Edition, Clinical Modification (ICD-9-CM) codes and the corresponding ICD-10-CM/PCS codes. There is one spreadsheet for each AHRQ Quality Indicator and one spreadsheet for each appendix of a module. The list of AHRQ QI and appendices can be found in the Table of Contents.

Each AHRQ QI spreadsheet has four tabs:

- Numerator
- Numerator Exclusions
- Denominator
- Denominator Exclusions

Each AHRQ QI composite spreadsheet has three tabs:

- Description
- Numerator and Exclusion
- Denominator and Exclusion

Each AHRQ QI appendix has a tab for each appendix (A-M), if applicable.

Each spreadsheet follows the clinical concepts in the order as shown in the technical specifications for the AHRQ Quality Indicators or Appendix, version 4.3. Each clinical concept represents a group of diagnosis codes or a group of procedure codes, depending on the intent of the measure. If there is no clinical concept representing a diagnosis...

**FEDERAL REGISTER**  
The Daily Journal of the United States Government

**Notice**

### Review of Proposed Changes with ICD-10-CM/PCS; Conversion of Quality Indicators™

A Notice by the Agency for Healthcare Research and Quality on 11/26/2013

This article has a comment period that ends in 30 days (12/26/2013)

**SUBMIT A FORMAL COMMENT**

**ACTION** Notice Of Request For Public Comments.

**SUMMARY** The Agency for Healthcare Research and Quality (AHRQ) seeks comments on the proposed conversion of the AHRQ Quality Indicators™ to "International Classification of Diseases, 10th Edition, Clinical Modification/Procedure Coding System" (ICD-10-CM and ICD-10-PCS) codes. These changes would be applicable to hospital discharges occurring on or after October 1, 2014. The proposed ICD-10-CM/PCS codes are posted on the AHRQ QI Web site for review at: <http://www.qualityindicators.ahrq.gov/icd10/default.aspx>

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**Agencies:** Department of Health and Human Services  
Agency for Healthcare Research

# Background (cont'd)

- **Converting processors to accept ICD-10 data**
  - **Modifying programs for new fields**
    - Seven-character length
    - Adding data elements to indicate ICD version (9 or 10)
    - Increasing maximum number of fields
  - **Developing new ICD-10 edit checks**
    - In-hospital birth codes
    - Uncomplicated birth codes
    - Injury and intent codes
    - Neonatal/maternal conditions
    - Check codes against discharge date, sex,
  - **Implementing ICD-10 DRG and APR-DRG routines**

- **More processor changes**
  - Developing new templates for reporting data quality statistics
  - Adapting SAS code for ICD-10 versions of HCUP tools
  - Updating documentation

# What do you need to receive ICD-10 data?

- Major goal of today's call: Assess your needs
- Where do the data organizations stand in terms of being prepared to receive ICD-10 data?
  - Is there specific technical assistance that would be helpful?
  - Are there certain SAS programs or routines you could use?
    - Edit checks?
    - Code sets (e.g., female procedure codes, neonatal codes)?

# What are your needs for information about ICD-10?

- What ICD-10 resources are you using?
  - Online resources?
  - Public versus vendors?
  - Do you need help selecting resources?
  - Resources specific to data organizations?
- How are you keeping up to date?



The screenshot shows the CMS.gov website. The header includes navigation links: Home | About CMS | Newsroom Center | FAQs | Archive | Share | Help | Email | Print. Below the header is a search bar with the text "Learn about your healthcare options" and a search button. A navigation menu contains links for Medicare, Medicaid/CHIP, Medicare-Medicaid Coordination, Private Insurance, Innovation Center, Regulations and Guidance, Research, Statistics, Data and Systems, and Outreach and Education. The main content area is titled "2013 ICD-10-CM and GEMs" and includes a sub-header "2013 ICD-10-CM and GEMs". The text below states: "The 2013 ICD-10-CM files below contain information on the new diagnosis coding system, ICD-10-CM, that is being developed as a replacement for ICD-9-CM, Volumes 1 and 2." A "Downloads" section lists several files with their sizes and download icons: "2013 Code Descriptions in Tabular Order - Updated 12/5/11 [ZIP, 1MB]", "2013 Code Tables and Index [ZIP, 17MB]", "2013 Addenda [ZIP, 353KB]", "2013 ICD-10-CM Duplicate Code Numbers [ZIP, 64KB]", "2013 General Equivalence Mappings - Diagnosis Codes and Guide [ZIP, 583KB]", "2013 Reimbursement Mappings - Diagnosis Codes and Guide [ZIP, 266KB]", and "2013 ICD-10-CM POA Exempt Code List [ZIP, 1004KB]". At the bottom, it says "Page last Modified: 01/30/2013 9:23 AM" and "Help with File Formats and Plug-Ins".

# Facility-specific issues?

- **Do you know of facilities that are coding both ICD-9 and ICD-10 for training and validation?**
  - Are you analyzing these data?
- **What are you hearing from facilities?**
  - Are they on time for conversion?
  - Have you heard from some facilities that are having difficulty with the conversion?
  - Do you expect that some facilities may not be ready?

# What are your analytic needs?

- **Have you planned how you will handle analyses using ICD-10?**
  - **Will you check for coding accuracy?**
    - For example, higher volumes of nonspecific codes?
  - **Are you focusing on a subset of high volume codes?**
  - **Analyses with CY 2014 data?**
    - 9 months of ICD-9
    - 3 months of ICD-10
  - **Trends that cover the ICD-9 and ICD-10 periods?**
  - **Have you planned new reports based on the additional information in ICD-10?**

# What do you need?

- **What technical assistance do you need?**
- **What topics should we address in future webinars?**
- **Is there certain expertise that would be helpful?**

- **Anne Elixhauser, PhD**
  - **Senior Research Scientist**
  - **Phone: (301) 427-1411**
  - **Email: [Anne.Elixhauser@ahrq.hhs.gov](mailto:Anne.Elixhauser@ahrq.hhs.gov)**