ICD-10-CM and ICD-10-PCS: October 1, 2015 Implementation and Beyond

Donna Pickett, MPH, RHIA
Chief, Classifications and Public Health Data Standards, NCHS

NCHS Board of Scientific Counselors
May 19, 2016
Development of ICD-10-CM and Adoption Process

  Summary document available at [http://www.ncvhs.hhs.gov/031105a1.htm](http://www.ncvhs.hhs.gov/031105a1.htm)

- **NCVHS Hearings (1997-2003)**
  Summary document available at [http://www.ncvhs.hhs.gov/031105a2.htm](http://www.ncvhs.hhs.gov/031105a2.htm)

- **NPRM (2008)**
- **Final Rule (2009)**
- **NPRM (2012)**
- **Final Rule (2012)**
- **Final Rule (2014)**
HIPAA Administrative Simplification: Modifications to Medical Data Code Set Standards

• October 1, 2015 – Compliance date for implementation of ICD-10-CM and ICD-10-PCS

• Single implementation date for all users
  • Date of service for ambulatory and physician reporting
  • Date of discharge for inpatient and other settings
Partial Code Freeze for ICD-9-CM and ICD-10 Finalized

• Partial freeze implemented for ICD-9-CM and ICD-10 (ICD-10-CM and ICD-10-PCS) codes prior to the implementation of ICD-10 on October 1, 2015. The partial freeze will be implemented as follows:

• The last regular annual updates to both ICD-9-CM and ICD-10 code sets occurred October 1, 2011.

• October 1, 2012 through October 2014, there will be only limited code updates to both the ICD-9-CM and ICD-10 code sets to capture new technologies and new diseases as required by section 503(a) of Pub. L. 108-173.

• On October 1, 2015, there will be only limited code updates to ICD-10 code sets to capture new technologies and diagnoses as required by section 503(a) of Pub. L. 108-173. There will be no updates to ICD-9-CM, as it will no longer be used for reporting.

• On October 1, 2016 regular updates to ICD-10 code sets will begin.
New ICD-10-CM Requests by Source 2012-2014

- Physician Societies: 95%
- Private Industry: 3%
- Disease-specific Foundations: 1%
- Other: 1%

Total number of new codes requested = 1,473
ICD-10-CM New Code Requests 2012-2014 by Specific Physician Specialties

- Number of codes requested

<table>
<thead>
<tr>
<th>Organization</th>
<th>2012 Requests</th>
<th>2013 Requests</th>
<th>2014 Requests</th>
</tr>
</thead>
<tbody>
<tr>
<td>American Academy of Allergy Asthma and Immunology</td>
<td>37</td>
<td>6</td>
<td>56</td>
</tr>
<tr>
<td>American Academy of Audiology</td>
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<tr>
<td>American Academy of Neurology</td>
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<tr>
<td>American Academy of Ophthalmology</td>
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<tr>
<td>American Academy of Orthopaedic Surgeons</td>
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<tr>
<td>American Academy of Otolaryngology Head &amp; Neck Surgery</td>
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<tr>
<td>American Academy of Pediatrics</td>
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<tr>
<td>American College of Chiropractors and Osteopaths</td>
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<tr>
<td>American Dental Association</td>
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<tr>
<td>American Psychiatric Association</td>
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<tr>
<td>American Urological Association</td>
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<tr>
<td>Coalition of 4 physician societies, plus others</td>
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<td></td>
<td></td>
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<tr>
<td>Disease-specific foundations</td>
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<td></td>
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<tr>
<td>Orthopedic Surgery</td>
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</tbody>
</table>

Total: 667

Fig. 2
## ICD-9-CM vs ICD-10-CM (Diagnosis Codes)

| ICD-9-CM Diagnosis Codes                                      | ICD-10-CM Diagnosis Codes                                      |
|================================================================|================================================================|
| 3 to 5 digits                                                  | 7 digits                                                      |
| Alpha “E” and “V” on 1st character                            | Alpha for 1st character                                       |
| No place holder characters                                    | Include place holder characters (‘X’)                         |
| Terminology                                                    | Similar                                                       |
| Index and Tabular Structure                                   | Similar                                                       |
| Coding Guidelines                                              | Some what similar                                             |
| Approximately 14,000 codes                                    | Approximately 69,000 codes                                   |
| Severity parameters limited                                   | Increased severity parameters                                 |
| Does not include laterality                                   | Common definition of laterality                               |
| Combination codes limited                                     | Combination codes common                                       |
## ICD-10-PCS Structure

<table>
<thead>
<tr>
<th>Differences Between ICD-9-CM Volume 3 and ICD-10-PCS</th>
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</thead>
<tbody>
<tr>
<td><strong>ICD-9-CM</strong></td>
</tr>
<tr>
<td>3,824 codes</td>
</tr>
<tr>
<td>3-4 characters</td>
</tr>
<tr>
<td>All characters are numeric</td>
</tr>
<tr>
<td>All codes have at least 3 characters</td>
</tr>
<tr>
<td>Decimal after 2nd character</td>
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<td></td>
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</tbody>
</table>
ICD-10-PCS
International Classification of Diseases, 10th Revision, Procedure Coding System

Inpatient Procedure
Benefits of the New Coding System

• Updated medical terminology and classification of diseases
• Allows easier comparison of mortality and morbidity data
• Provides better data for:
  – Measuring care provided to patients
  – Designing payment systems
  – Processing claims
  – Making clinical decisions
  – Tracking public health
  – Identifying fraud and abuse
  – Conducting research
IMPACT ON DATA & PUBLIC HEALTH
Reality of Impact for Public Health

- Transition will change the way health care (including public health) defines, identifies, analyzes and reports on many health conditions and health care services.

- There will be some level of data discontinuity for analyses over time and across code sets.

- No single best approach to conducting trend analyses; each program/project team will need to determine own approach.
Secondary Use of ICD-9-CM codes at CDC

- Hospitals
- Healthcare Plans
- Healthcare Providers
- State/Local Health Depts

CDC Programs

Secondary use
- Analysis
- Surveillance
- Trends
- Reports
- Datasets
CDC Transition Impact

- Few CDC Programs Impacted on October 1st
  - World Trade Center Health Program
  - NCHS surveys
  - BioSense
  - NIOSH Energy Employees Occupational Illness Compensation Program Act

- Most CDC programs will feel impact in +1 year after programs receive first set of data coded in ICD-10-CM/PCS
Decisions, Decisions, Decisions…

Many decisions to be made regarding transition; majority will be unique to individual organizations, programs and/or projects

- Mapping between code sets (or not) for surveillance, research, statistical analyses, and evaluation of public health and/or health care services
- Public use data sets and education of users
- Stakeholders that fund supplements to surveys

Coordinated (public health) efforts: external cause of injury matrix and injury diagnosis matrix for injury reporting, reportable neoplasms (cancer registries)
Macro Level Possible Strategies for Already Coded Data

- Map all ICD-9-CM codes into ICD-10-CM/PCS
- Start over and define conditions from beginning in ICD-10-CM/PCS
- Map a few key conditions/events into ICD-10-CM/PCS; start over with the rest
- Map all ICD-10-CM/PCS codes back into ICD-9-CM
Macro Level Possible Strategies for Already Coded Data (cont’d)

- The identification or definition of “cases” has changed

- You may be identifying more or fewer individuals with condition(s) of interest depending on in/exclusion of certain codes/code sets (TIA included in stroke)

- For some programs, arriving at final ICD-10-CM/PCS codes will require extensive collaboration with external partners
IT/DATA PROCESSING ISSUES

- Redesign to accommodate alphanumeric codes 7 character codes, code title lengths
- Re-writing or writing new programs
- System logic & edits
- System storage capacity
  - Historical file storage
  - New file storage
  - Backup file storage
IT/Data Processing Issues (cont’d)

- New computer edits
  - Consistency checks
  - Edits: Age, Sex
- Testing /validating systems use of new code sets
- For 2015
  - 9 months of ICD-9-CM coded data
  - 3 months of ICD-10-CM coded data
Analysis and Reporting Issues

- Trending
- Loss of information
- Very detailed information
- Data aggregation
- Data collection
- Redesign of publications and tables
Possible Trending Impact

Age-adjusted death rates for Nephritis, nephrotic syndrome, and nephrosis: United States, 1968-2005

ICD-10-CM Resources

To obtain:

- ICD-10-CM files (PDF and XML formats)
- ICD-10-CM Coding Guidelines (FY 2016)
- Codes and descriptions
- Addenda (FY 2016)
- General Equivalence Maps with Guide and Technical documents

Go to: http://www.cdc.gov/nchs/icd/icd10cm.htm

http://www.cdc.gov/nchs/icd/icd10cm.htm#10update
ICD-10-CM Resources

Public Health Transition to ICD-10-CM/PCS
http://www.cdc.gov/nchs/icd/icd10cm_pcs.htm

CMS ICD-10
Thank You

Donna Pickett, MPH, RHIA
dfp4@cdc.gov

For more information please contact The National Center for Health Statistics

3311 Toledo Road, Hyattsville, MD  20782
Telephone: 1-301-458-4434
E-mail: dfp4@cdc.gov  Web: http://www.cdc.gov/nchs/icd.htm