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

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Development of ICD-10-CM and Adoption Process

❑ **Evaluation of ICD-10 for U.S. purposes (1994 - 1997)**
    Summary document available at http://www.ncvhs.hhs.gov/031105a1.htm

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

❑ **NPRM (2008)**

❑ **Final Rule (2009)**

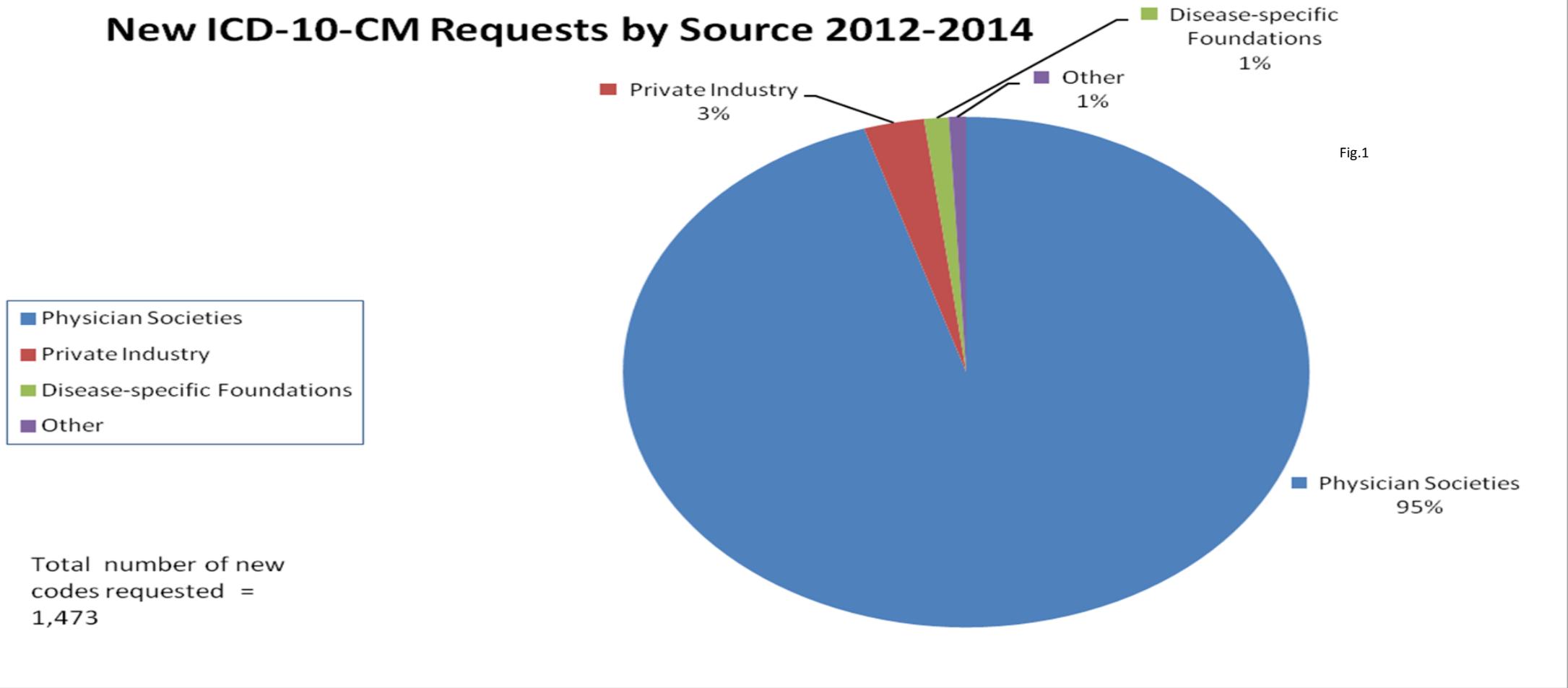❑ **NPRM (2012)**

❑ **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

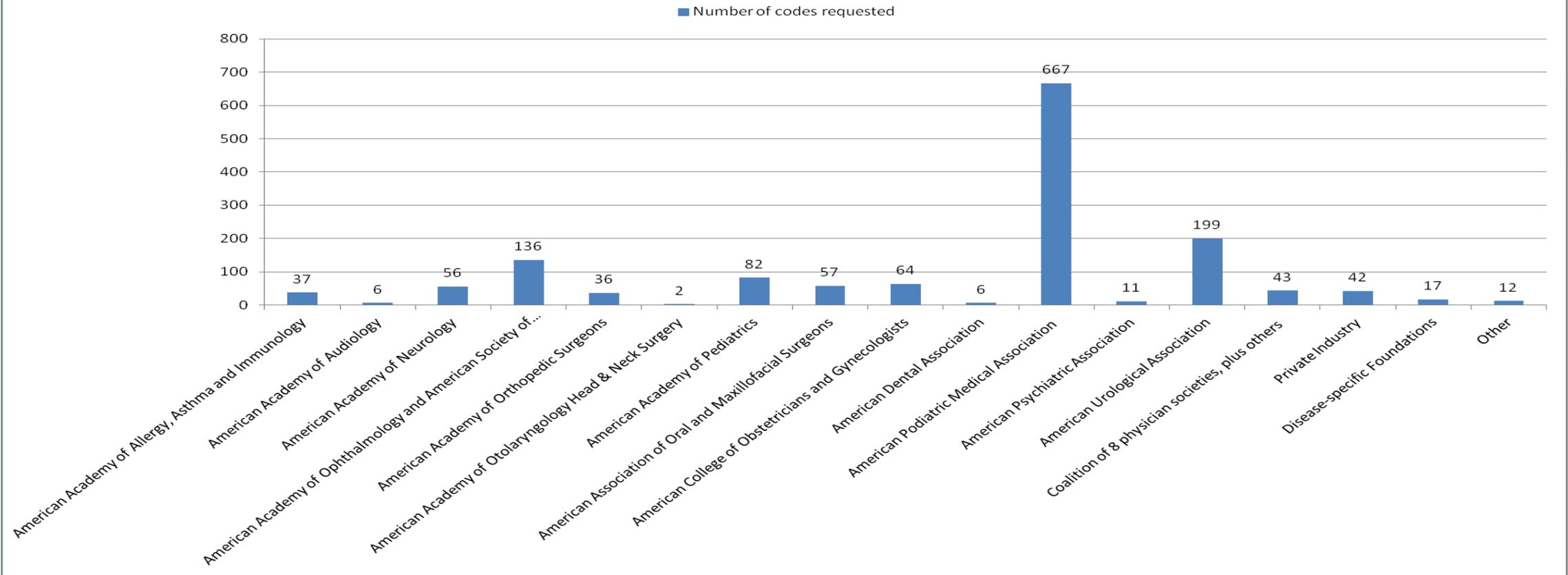# Partial Code Freeze for ICD-9-CM and ICD-10 Finalized

- 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

Fig.1

Legend:
- Physician Societies
- Private Industry
- Disease-specific Foundations
- Other

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

Total number of new codes requested = 1,473

ICD-10-CM New Code Requests 2012-2014 by Specific Physician Specialties

Fig.2

National Center for Health Statistics
Classifications and Public Health Data Standards

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

Differences Between ICD-9-CM Volume 3 and ICD-10-PCS	
ICD-9-CM	**ICD-10-PCS**
3,824 codes	71,924 codes
3-4 characters	7 characters
All characters are numeric	Each can be either alpha or numeric
All codes have at least 3 characters	Numbers 0-9; letters A-H, J-N, P-Z
Decimal after 2nd character	Alpha characters not case-sensitive
	Each code must have 7 characters
	No decimal

ICD-10-PCS

International Classification of Diseases, 10th Revision, Procedure Coding System

Inpatient Procedure
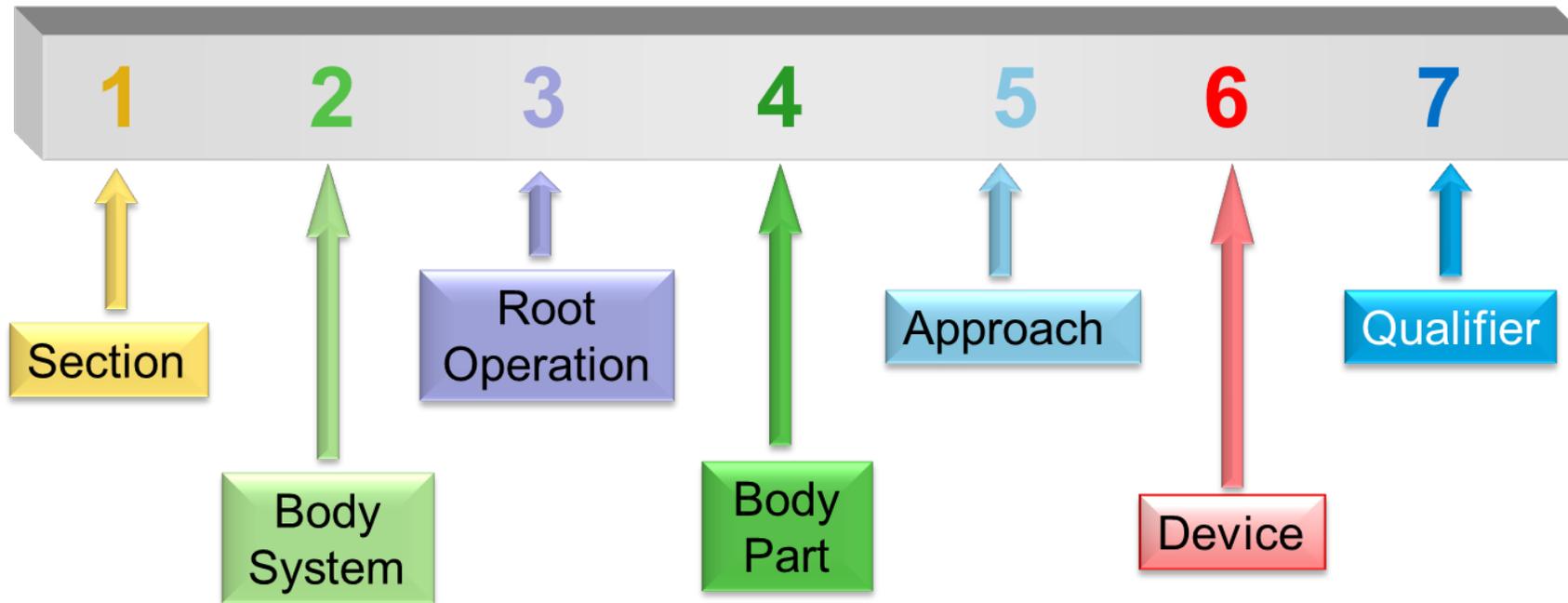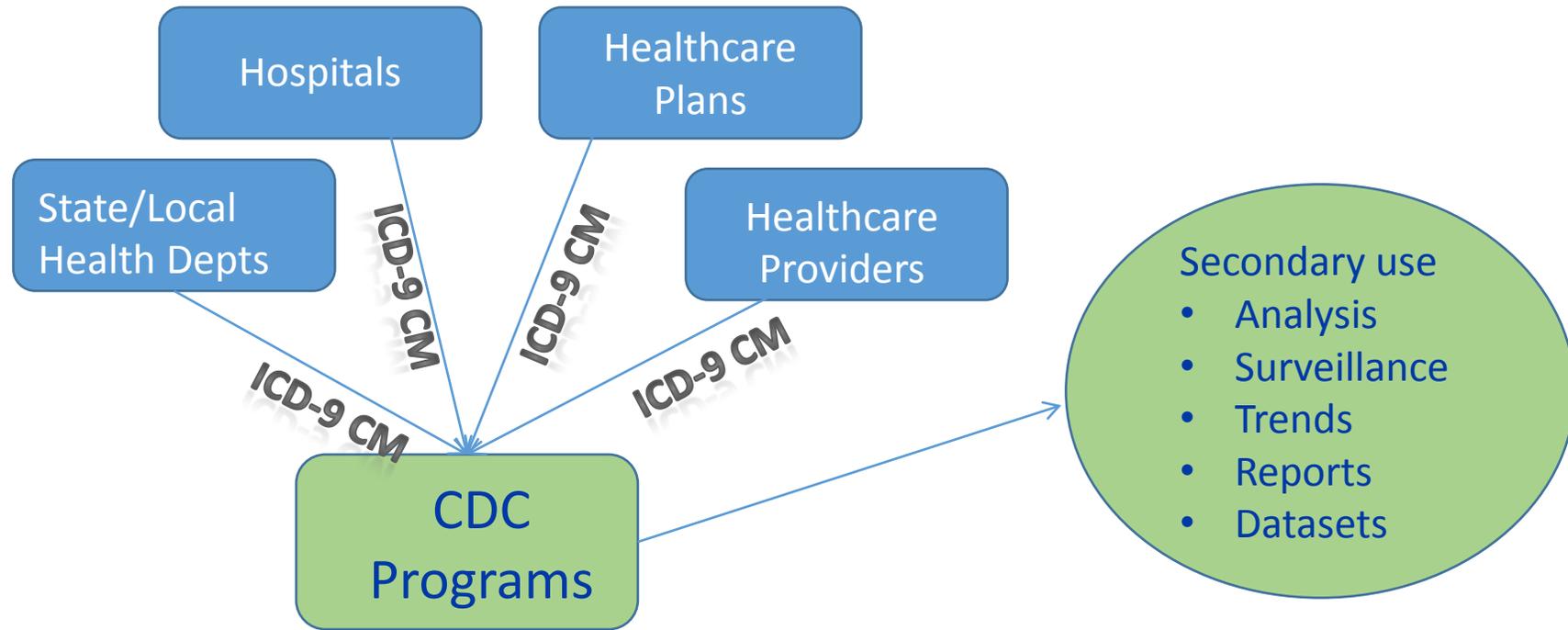
Benefits of the New Coding System

- 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

State/Local Health Depts

Healthcare Providers

ICD-9 CM

ICD-9 CM

ICD-9 CM

ICD-9 CM

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…

❑ <u>Many</u> 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
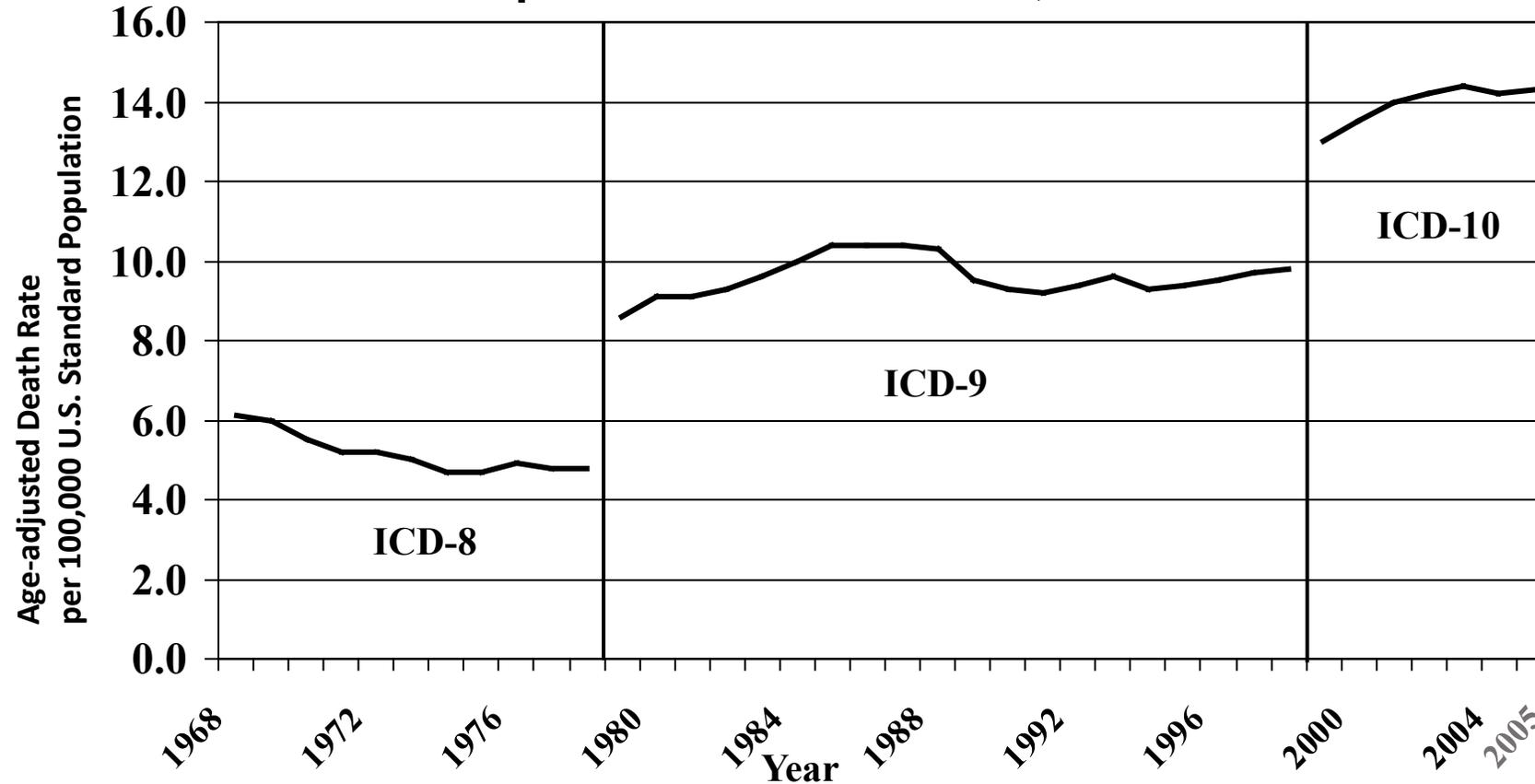
Reference: Robert Anderson (2011). Coding and Classifying Causes of Death: Trends and International Differences. In Rogers, Richard G., and Crimmins, Eileen M (Eds), International Handbook of Adult Mortality (467-489). Springer Science.

RESOURCES

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
https://www.cms.gov/Medicare/Coding/ICD10/index.html

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