

2007 Multiple Primary and Histology Coding Rules

NCI SEER
for
NAACCR 2006 Conference

Regina, Saskatchewan
June 15, 2006

Timeline

2003 – 2006	Rules Development
Sep 2004 – May 2005	Beta Test 1, 2, 3, 4, 5
Jan – Jun 2005	NAACCR Registry Operations Committee
Jan – Jun 2005	CoC Disease Site Teams
Jun 2005	CoC Quality Integration Committee
May 2005 – Jan 2006	Statistical Impact Meetings
June 30, 2005	Decision to Delay Implementation
Sep 2005	Train the Trainers I
Mar – Apr 2006	Field Studies and Reliability Study
May 2006	CoC Quality Integration Committee
Jul 2006	Final Rules
Aug 2006	Train the Trainers II
Nov – Dec 2006	Web Broadcasts and Web Self Instruction
January 1, 2007	Implementation

Problem Identification

- 25 year old rules
- Site-specific exceptions
- Training was difficult
- Impossible to flowchart

Problem Identification

- ICD-O-3 new terms and new codes
- Multiple histologic terms on path report
 - Biology of disease
 - Electron microscopy
 - Immunohistochemistry
 - Cytogenetics
- Non-standard use of nomenclature
- Multiple tumors in an organ site/system

Problem Identification



Quality
Improvement
Studies

SINO
and I&R



Registrar
and
Researcher
Inquiries

SEER Histology Committee

- Established July 2002
- Initial Focus
 - Histology Rules
 - Complex histologies
 - Combination histologies
 - Mixed histologies
 - Multiple histologic terms
 - Cell lineage
 - Multiple Primary Rules

Other groups identify same problem

- NPCR Data Completeness & Quality Audits
- December 2002 – NAACCR
 - Review of Definition for Multiple Primary Cancers in the U.S. Workshop Report
- December 2003 – NAACCR
 - Creation of a Record Consolidation Test File Report
- International Agency for Research on Cancer
 - 2004 International Rules for Multiple Primary Cancers
 - World Health Organization
 - International Association of Cancer Registries
 - European Network of Cancer Registries

NAACCR Recommendations - Dec 2002

- Review SEER multiple primary rules
- Clarify definitions
- Prioritize rules
- Flow chart sequence or hierarchy of rules
- Develop site-specific rules
- Revise timing rules
- Create a multiple tumor indicator
- Involve clinicians in rules development

NAACCR Recommendations - Dec 2002

- Follow step-wise approach
 - Start with breast, colon, and melanoma
- Special attention to breast multiple tumors
- Special attention to breast histology groups
- Develop training materials
- SEER will take the lead
- Expand SEER histology committee to incorporate multiple primary rules issues

NAACCR Test File Highlights – Dec 2003

- Over count some cancers
- Under count some cancers
- Problem Sites
 - Buccal Cavity and Pharynx
 - Digestive System
 - Respiratory System
 - Melanoma
 - Breast
 - Urinary System

Multiple Primary/Histology Committee

**ICD-O-3
Editors**

**CoC Clinical
Advisors**

SEER

**Specialty
Clinicians**

**Specialty
Pathologists**

**8 Site Subcommittees
Editing Subcommittee
Education Subcommittee**

**Project Committee
NPCR CoC SEER AJCC
Statistics Canada NAACCR NCRA
15 Central registry representatives
Physician members and Ad Hoc Specialists**

Surveillance Partners

Communication

Collaboration

Accountability

Oversight

Surveillance Partners

National Coordinating Council
for Cancer Surveillance (NCCCS)

NAACCR Implementation
Oversight Board (IOB)

NAACCR Cancer Registration
Steering Committee (CRSC)

Surveillance Partner Activities

- Rules Development
- Beta Testing
- Communication
- Education

Surveillance Partners

- American Cancer Society (ACS)
- American College of Surgeons (ACoS)/Commission on Cancer (CoC)
- Centers for Disease Control and Prevention (CDC)/National Program of Cancer Registries (NPCR)
- National Cancer Institute (NCI)/SEER Program (SEER)
- National Cancer Registrars Association (NCRA)
- North American Association of Central Cancer Registries (NAACCR)

Timeline fast-forward



Formal Review

- MP/H Site Subcommittees Review
- MP/H Full Committee Review
- ACoS/CoC Disease Site Teams
- CBTRUS
- NAACCR
 - Uniform Data Standards Committee
 - Registry Operations Committee

Formal Review

- ACoS/CoC Quality Integration Committee
- Statistical Review
 - NCI: DCCPS and DCEG
- Canadian Cancer Registries Review Team
 - Provincial representation
 - Worked real cases
 - Evaluated impact

MP/H Rules Field Studies

- Hospital-based Study – 319 cases
- Central Registry-based Study – 925 cases
- Web-based Reliability Study – 6,220 cases
- Total = 7,464 cases

MP/H Rules Field Studies

- 5 participating state/regions
 - 2 SEER only
 - 3 SEER/NPCR
 - 7 hospitals
- 9 cancer site/site groups
- Field Study Manual
- Data collection software
- 6 hours web-cast training

2006 SEER Hospital-based Study

- Re-abstract study (limited data items)
- Time study
- Code new data items
 - 3 MP/H data items
 - 2 ambiguous term data items
- Data collection: March 6-28, 2006
- Analysis: April 2-June 30, 2006

2006 Central Registry-based Study

- Tumor matching and case consolidation
- No time study
- No new data items
- Data collection: March 6-28, 2006
- Analysis: April 2-June 30, 2006

Field Study Learning Curve

Result: Abstract 3-4 cases
before registrar is comfortable using rules

2006 Web-based Reliability Study

- DIFFICULT CASES !!!
- On-line registration
- No training
- 2 cancer sites per participant
- 10 cases per cancer site/site group
- 90 cases total

Is this a multiple primary?

Agreement with preferred answer

Overall 83.4%

SEER

Is this a multiple primary?

Agreement with preferred answer

Bladder, RP, Ureter	67.4%
Breast	89.0%
Brain	89.4%
Colon	85.4%
Head and Neck	82.8%

Is this a multiple primary?

Agreement with preferred answer

Kidney	91.1%
Lung	84.9%
Melanoma	75.7%
All other	84.5%

Histology

Agreement with preferred answer

Primary 1 72.9%

Primary 2 80.1%

Primary 3 97.2%

Primary 4 98.9%

Site-specific Histology?

Agreement with preferred answer

Bladder, RP, Ureter 79.8%

Breast 74.7%

Brain 69.6%

Colon 59.4%

Head and Neck 73.1%

Site-specific Histology?

Agreement with preferred answer

Kidney	77.2%
Lung	81.8%
Melanoma	71.1%
All other	69.7%

Opportunities for Improvement

- Code according to new rules
- Code final diagnosis
- Using charts and tables
- Highlight equivalent terms and definitions
- Rationale for new data items
- “multifocal” and “multicentric”
- "within two months" to "within 60 days"

MP/H Rules Manual

- Electronic manual in PDF
- Available July 5, 2006
 - SEER website
 - ACOS/CoC Cancer Programs website
 - NPCR website
 - NAACCR website
- Referenced by FORDS Manual
- Incorporated into 2007 SEER Program Coding and Staging Manual

MP/H Rules and Documentation

- <http://seer.cancer.gov/tools/mphrules>
- Terms and Definitions
- Histology charts
- Combination/mixed histology tables
- Text, matrix, and flowchart
 - Multiple Primary Rules
 - Histology Coding Rules
- Technical minutes – full committee
- Statistical review summary

**Data Tools & Coding Manuals**

- ♦ [SEER Coding Manuals](#)
- ♦ [Collaborative Staging Manual](#)
- ♦ [SEER Summary Staging Manual - 2000](#)
- ♦ [ICD-O-3 Materials](#)
- ♦ [ICD Conversion Programs](#)
- ♦ [SEER Inquiry System \(SINQ\)](#)
- ♦ [SEER*Rx Program](#)
- ♦ MP/H Rules

Related Materials

- ♦ [SEER's Training Web Site](#)
- ♦ [Principles of Oncology](#)
- ♦ [Self Instructional Manuals](#)
- ♦ [Order SEER Publications](#)

MP/H RULES!**The 2007 Multiple Primary and Histology Coding Rules**

The final version of the rules will be available for cases diagnosed starting in 2007.

The 2007 Multiple Primary and Histology Coding Rules present the first site-specific multiple primary and histology rules developed to promote consistent and standardized coding by cancer registrars. This project was sponsored by the National Cancer Institute's SEER Program. In January 2003, the Multiple Primary and Histology Coding Committee (Histology Committee) was formed to tackle problems identified in existing rules. The Histology Committee was a diverse group with membership from all but two SEER regions, the American College of Surgeons (ACoS) Commission on Cancer (CoC), the American Joint Committee on Cancer (AJCC), the Centers for Disease Control and Prevention (CDC) National Program of Cancer Registries (NPCR), the National Cancer Registrars Association (NCRA), North American Association of Central Cancer Registries (NAACCR), 15 central registry representatives, and Statistics Canada. Physician guidance by specialty pathologists and clinicians was integral to the review and revision process. Regular consultation with the editors of [ICD-O-3](#) clarified ICD-O-3 codes and ensured that the new rules accurately reflect the ICD-O-3 intent and purpose.

The 2007 Multiple Primary and Histology Coding Rules contain site-specific rules for lung, breast, colon, melanoma of the skin, head and neck, kidney, renal pelvis/ureter/bladder, and malignant brain. A separate set of rules addresses the specific and general rules for all other sites. The multiple primary rules guide and standardize the process of determining the number of primaries. The histology rules contain detailed histology coding instructions. For example, grouping histologic terms, differentiating between general (NOS) terms and specific histologic types and subtypes, and identifying mixed and combination codes are covered. The Histology Committee also developed three new data items that complement these rules.

The rules will be available in three formats: flowchart, matrix and text. The different formats were developed to meet the needs of different learning styles. The rules are identical in each of the three formats. Using all three formats is not recommended. It is best to choose one format. Do not combine old rules with the new.

Web-based cancer registrar education will be available on the [SEER training website](#). Multiple primary and histology issues are covered in several modules, and continuing education units can be requested from the [National Cancer Registrars Association](#). Recorded training webcasts will be available for viewing and provide another option for mass training of registrars who cannot attend an in-person workshop. The rules will be available in a stand-alone manual and also in the *2007 SEER Coding and Staging Manual*.

Histology Committee Membership

Training

- September 8-9, 2005: Train the Trainers I
- August 24-25, 2006: Train the Trainers II
- Fall Association Meetings
- November 2006 – Web casts begin
- December 2006 – Web-based self instruction
- 2007 Spring Association Meetings
- 2007 NCRA – Training breakouts
- 2007 NAACCR – Training breakouts

Train the Trainers

- Train the Trainers Workshops – Part I & II
- Nearly 100 Trainers have been trained
 - 49 States and the District of Columbia
 - Canada, Puerto Rico, Palau
 - Commission on Cancer Staff
 - Vendor contractors
- 22 additional NPCR Trainers
- Quarterly telephone/video conferences
- <https://seer.cancer.gov/mphrules> - Trainers Only

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news

- Train the Trainers Workshop - August 2006
Jun 05, 2006
- 2nd Train The Trainers Workshop -

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by admin — last modified Sep 08, 2005 08:25 AM

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MP/H Rules Web Portal

<http://seer.cancer.gov/tools/mphrules>

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