

**NAACCR 2013-2014 Webinar Series**

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Abstracting & Coding Boot Camp  
March 6, 2014

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**Q&A**

- Please submit all questions concerning webinar content through the Q&A panel.

Reminder:

- If you have participants watching this webinar at your site, please collect their names and emails.
  - We will be distributing a Q&A document in about one week. This document will fully answer questions asked during the webinar and will contain any corrections that we may discover after the webinar.

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**Fabulous Prizes**








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**2014**

- Hematopoietic & Lymphoid Neoplasm Database and Manual
  - Updated 1/17/14
  - Provides data collection rules for hematopoietic and lymphoid neoplasms diagnosed 1/1/2010 and later
  - <http://seer.cancer.gov/tools/heme/>




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Quiz 1-Terminology and Anatomy




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Instructions for Coding Grade  
1/1/2014 and Forward




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**Grade**

- Coding grade has been complicated by
  - Site-specific grading systems
  - Differing instructions in FORDS and SEER PCSM
- Revised instructions
  - <http://seer.cancer.gov/tools/grade/>
  - Are applicable for cases diagnosed 1/1/2014 and forward
  - Will be incorporated in 2014 FORDS and 2014 SEER PCSM

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**Grade**

Alternate Name	Item #	Length	Source of Standard
Grade, Differentiation, or Cell Lineage Indicator (SEER/CCCR) Grade/Differentiation (CoC)	440	1	SEER/CoC

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**Coding Grade for Hematopoietic & Lymphoid Neoplasms**

- Cell indicator describes lineage or phenotype of cell
- Codes 5-8 used only for hematopoietic & lymphoid neoplasms

Terminology	Grade Code
T-cell; T-precursor	5
B-cell; Pre-B; B-precursor	6
Null cell; Non T-non B	7
NK cell (natural killer cell)	8
Grade unknown, not stated, or not applicable	9

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**Coding Grade for Hematopoietic & Lymphoid Neoplasms**

1. Determine histology using Hematopoietic & Lymphoid Neoplasm Manual
2. Apply the grade of tumor rules to determine the cell indicator for the histology

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**Coding Grade for Solid Tumors**

- Grade measures resemblance of the tumor cells to organ of origin
- Codes 1-4 and 9
- 3 systems
  - 2-grade
  - 3-grade
  - 4-grade

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**Coding Grade for Solid Tumors**

1. Code grade prior to neoadjuvant treatment even if unknown
2. Code grade from primary tumor only
3. Code grade for histologic terms that imply grade
  - Carcinoma, undifferentiated (8020/34)
  - Follicular adenocarcinoma, well differentiated (8331/31)
  - See Instructions document for entire list

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### Coding Grade for Solid Tumors

4. In situ
  - a. Code grade for in situ tumor if given
  - b. Code grade for invasive portion of tumor, even if unknown, for tumors with both in situ and invasive components
5. Code highest grade from applicable system if there is more than 1 grade even if only a focus; priority order for applicable systems
  - a. Special grade systems listed in #6
  - b. Differentiation per #7
  - c. Nuclear grade per #7
  - d. Code it if not clear if differentiation or nuclear grade
  - e. Terminology per #8



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### Coding Grade for Solid Tumors

6. Use special grade systems first

CS Schema	Special Grade System
Breast	Nottingham or BR Score/Grade (SSF7)
Prostate	Gleason's Score on Biopsy/TURP (SSF8)
Prostate	Gleason's Score on Prostatectomy/Autopsy (SSF10)
Heart, Mediastinum	Grade for Sarcomas (SSF1)
Peritoneum	Grade for Sarcomas (SSF1)
Retroperitoneum	Grade for Sarcomas (SSF1)
Soft Tissue	Grade for Sarcomas (SSF1)
Kidney Parenchyma	Fuhrman Nuclear Grade (SSF6)



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### Coding Grade for Solid Tumors

7. Use two-, three-, or four-grade system

- a. Two-grade system

Term	Description	Grade Code	Exception for Breast & Prostate
1/2, I/II	Low grade	2	1
2/2, II/II	High grade	4	3



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**Coding Grade for Solid Tumors**

7. Use two-, three-, or four-grade system

b. Three-grade system

Term	Description	Grade Code	Exception for Breast & Prostate
1/3	Low grade	2	1
2/3	Intermediate grade	3	2
3/3	High grade	4	3

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**Coding Grade for Solid Tumors**

7. Use two-, three-, or four-grade system

c. Four-grade system

Term	Description	Grade Code
1/4	Grade I; Well differentiated	1
2/4	Grade II; Moderately differentiated	2
3/4	Grade III; Poorly differentiated	3
4/4	Grade IV; Undifferentiated	4

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**Coding Grade for Solid Tumors**

8. Terminology

Description	Grade	Code	Exception for Breast & Prostate
Differentiated NOS	I	1	
Well differentiated	I	1	
Only stated as 'Grade I'	I	1	

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Description	Grade	Code	Exception for Breast & Prostate
Fairly well differentiated	II	2	
Intermediate differentiation	II	2	
Low grade	I-II	2	1
Mid differentiated	II	2	
Moderately differentiated	II	2	
Moderately well differentiated	II	2	
Partially differentiated	II	2	
Partially well differentiated	I-II	2	1
Relatively or generally well differentiated	II	2	
Only stated as 'Grade II'	II	2	




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Description	Grade	Code	Exception for Breast & Prostate
Medium grade, intermediate grade	II-III	3	2
Moderately poorly differentiated	III	3	
Moderately undifferentiated	III	3	
Poorly differentiated	III	3	
Relatively poorly differentiated	III	3	
Relatively undifferentiated	III	3	
Slightly differentiated	III	3	
Dedifferentiated	III	3	
Only stated as 'Grade III'	III	3	




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**Coding Grade for Solid Tumors**

Description	Grade	Code	Exception for Breast & Prostate
High grade	III-IV	4	3
Undifferentiated, anaplastic, not differentiated	IV	4	
Only stated as 'Grade IV'	IV	4	
Non-high grade		9	




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**Coding Grade for Solid Tumors**

9. If no description fits or grade is unknown prior to neoadjuvant therapy, code as 9 (unknown)




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**Special Grade System Rules**

- Breast
  - Use Bloom Richardson (BR) or Nottingham score/grade to code grade based on SSF7
  - Code grade using the following priority
    - BR scores 3-9
    - BR grade (low, intermediate, high)
  - Do not use the table if only grade 1-4 with no information on score and unclear if it is Nottingham or BR grade
  - Code highest score if multiple scores are reported




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**Special Grade System Rules: Breast**

Description	CS Code	Grade Code
Score of 3	030	1
Score of 4	040	1
Score of 5	050	1
Score of 6	060	2
Score of 7	070	2
Score of 8	080	3
Score of 9	090	3
Low grade, BR grade 1, score not given	110	1
Medium (intermediate) grade, BR grade 2, score not given	120	2
High grade, BR grade 3, score not given	130	3




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**Special Grade System Rules**

- Kidney parenchyma
  - Use Fuhrman Nuclear Grade to code grade based on SSF6
    - Do NOT use for renal pelvis

Description	CS Code	Grade Code
Grade 1	010	1
Grade 2	020	2
Grade 3	030	3
Grade 4	040	4

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**Special Grade System Rules**

- Soft Tissue includes soft tissue, heart, mediastinum, peritoneum, and retroperitoneum
- Use Grade for Sarcomas to code grade based on SSF1
- Record grade from any three-grade sarcoma grading system
- Code terminology using table from #8

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**Special Grade System Rules**

- Soft tissue

Description	CS Code	Grade Code
Specified as grade 1 [of 3]	010	2
Specified as grade 2 [of 3]	020	3
Specified as grade 3 [of 3]	030	4
Grade stated as low grade NOS	100	2
Grade stated as high grade NOS	200	4

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**Special Grade System Rules**

- Prostate
  - Use highest Gleason score from biopsy/TURP (SSF8) or prostatectomy/autopsy (SSF10)

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**Special Grade System Rules: Prostate**

Gleason Score	CS Code	Grade Code	AJCC 7 <sup>th</sup>	SEER 2003-2013
2	002	1	G1	G1
3	003	1	G1	G1
4	004	1	G1	G1
5	005	1	G1	G2
6	006	1	G1	G2
7	007	2	G2	G3
8	008	3	G3	G3
9	009	3	G3	G3
10	010	3	G3	G3

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**Quiz 2-Data Items**

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Text in the Cancer Abstract: What & Why




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**Text**

- Narrative justification of coded information
- Tells the story of patient’s cancer in language that supports the codes
- Clarifies difficult coding decisions
  - Why an edit was overridden
- Describe why information is missing or unknown
- Explains anything unusual about the case
- Needs to be succinct, complete, and dated




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**Text**

- In the central registry
  - Used to reconcile duplicate cases
  - Consolidate cases
  - Confirm accuracy of coded data
- Quality Control
  - Visual Editing/Review
    - Compare text to coded data
  - Recoding audit
    - Recode an abstract using provided text




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**Text**

- Validates and supports coded information
  - Demographics: Age, sex, race
  - Sequence number
  - Date of diagnosis
  - Primary site & laterality
  - Histology, behavior, grade
  - Stage
  - Treatment types & dates




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**Text**

- Text is a part of the abstract!




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**Text**

- Text—Usual Occupation
  - Type of work performed during most of patient’s working life
- Text—Usual Industry
  - Type of business/industry in which usual occupation was performed
- Text—Dx Proc—PE
  - History of present illness; demographics; past cancer history; risk factors
- Text—Dx Proc—X-ray/Scan
  - Names, dates, and impression and pertinent info from relevant imaging procedures performed




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**Text**

- Text—Dx Proc—Scopes
  - Names, dates, and impression and pertinent info from relevant scopes performed
- Text—Dx Proc—Lab Tests
  - Names, dates, and results from relevant lab tests performed
- Text—Dx Proc—Op
  - Names, dates, and impression and pertinent info from relevant diagnostic procedures performed

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**Text**

- Text—Dx Proc—Path
  - Path results including dates, cancer cell types, lymph node involvement, tumor size and grade, and extent of disease
- Text—Primary Site Title
  - Name of primary site, laterality if relevant, and any other relevant anatomic info
- Text—Histology Title
  - Cell type and behavior of primary tumor

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**Text**

- Text—Staging
  - Tumor size, extension, lymph node involvement, metastasis; T, N, and M designations
- RX Text—Surgery
  - Names and dates of relevant definitive surgery to remove cancer
- RX Text—Radiation (Beam)
  - Type of beam radiation, start and end dates, was boost given
- RX Text—Radiation Other
  - Any other type of radiation given, start and end dates

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**Text**

- RX Text—Chemo
  - Name of chemotherapy drug, start and end dates
- RX Text—Hormone
  - Name of hormone treatment, start and end dates
- RX Text—BRM
  - Name of immunotherapy or biologic response modifier treatment, start and end dates
- RX Text—Other
  - Any other cancer treatment, start and end dates

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**Text**

- Text—Remarks
  - Any other relevant information
- Text—Place of Diagnosis
  - Full name and address of diagnosing facility

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**Abbreviations**

- NAACCR Volume II: Data Standards & Data Dictionary
  - Appendix G: Recommended Abbreviations for Abstractors
    - <http://naaccr.org/ApplicativeContentReader/Default.aspx> =17

WORD TERM(S)	ABBREVIATION/SYMBOL
Abdomen (abdominal)	ABD
Abdominal perineal	AP
Abnormal	ABN
Above	^
Above knee (amputation)	AK(A)
Absent/Absence	ABS
Abstract/Abstracted	ABST
Achilles tendon reflex	ATR
Acid phosphate	ACID PHOS
Acquired Immune Deficiency Syndrome	AIDS
Activities of daily living	ADL
Acute granulocytic leukemia	AGL
Acute lymphocytic leukemia	ALL
Acute myelogenous leukemia	AML
Acute myocardial infarction	AMI
Acute Respiratory Distress (Disease) Syndrome	ARDS
Acute tubular necrosis	ATN
Acute renal failure	ARF
Adenocarcinoma	ADENOCA

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ABBREVIATION/SYMBOL	WORD/TERM(S)
AP	Anteroposterior
AP	Abdominal perineal
BM	Bone marrow
BM	Bowel movement
CA	Calcium
CA	Carcinoma
MIN	Minimum
MIN	Minute
ML	Milliliter
ML	Middle lobe
MM	Millimeter
MM	Multiple myeloma
PAP	Papillary
PAP	Papanicolaou smear
PT	Patient
PT	Physiotherapy/Physical therapy
RT	Right
RT	Radiation therapy

**Abbreviations**

- Context-Sensitive Abbreviations
  - If you use these abbreviation, make sure their meaning is clear in the context of the text!

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Quiz 3 Text



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Quiz 4-Using Data



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Quiz 5-Topography & MP/H




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Quiz 6-Staging




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Quiz 7-Treatment




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Questions?




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**CE Certificate Quiz/Survey**

- Phrase
- Link
  - <http://www.surveygizmo.com/s3/1565709/Boot-Camp-2014>




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**Coming Up...**

- Collecting Cancer Data: Melanoma
  - April 3, 2014
- Collecting Cancer Data: Colon and Rectum
  - May 1, 2014




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**And the winners are.....**

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**Thank You!!!!**

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Please send any questions to:  
 Jim Hofferkamp [jhofferkamp@naaccr.org](mailto:jhofferkamp@naaccr.org)  
 Shannon Vann [svann@naaccr.org](mailto:svann@naaccr.org)

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