NAACCR 2015-2016

## Coffecting Cancer Data: Series MP/H

NAACCR 2016-2017 Webinar Series

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#### 000 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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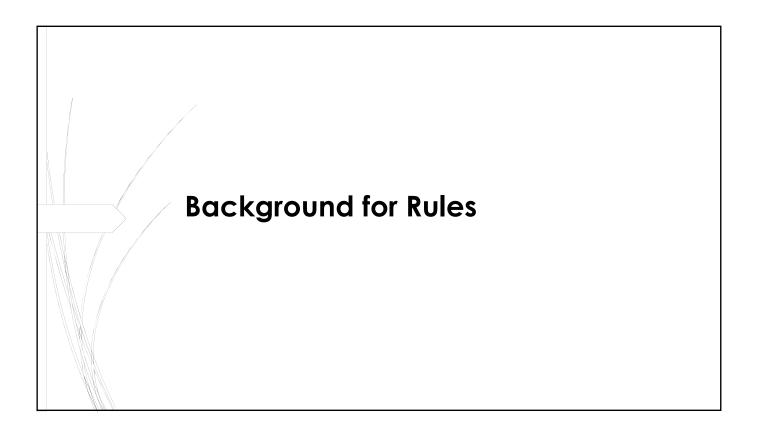
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#### --- Agenda

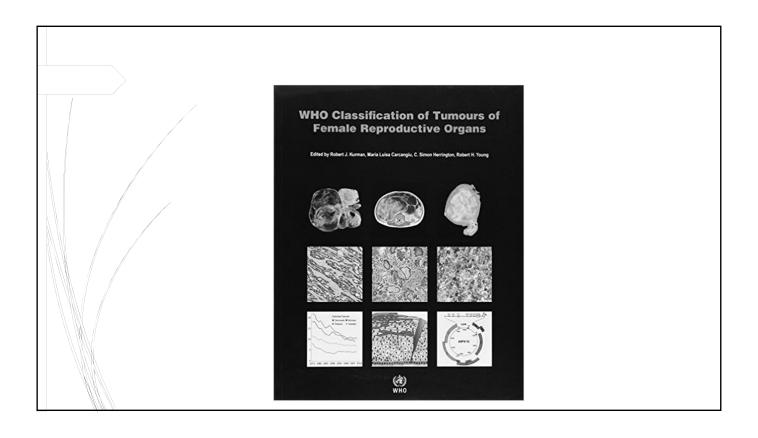
- 2018 Update
- Background Rules
- Lung
  - Quiz
- Breast
  - Quiz
- Urinary
  - Quiz
- Case Scenarios

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# Major Contributors and References World Health Organization (WHO) Classification of Tumors Specialty physicians Contract pathologist MPH Task Force Central registry Hospital registry Fpidemiologist consult

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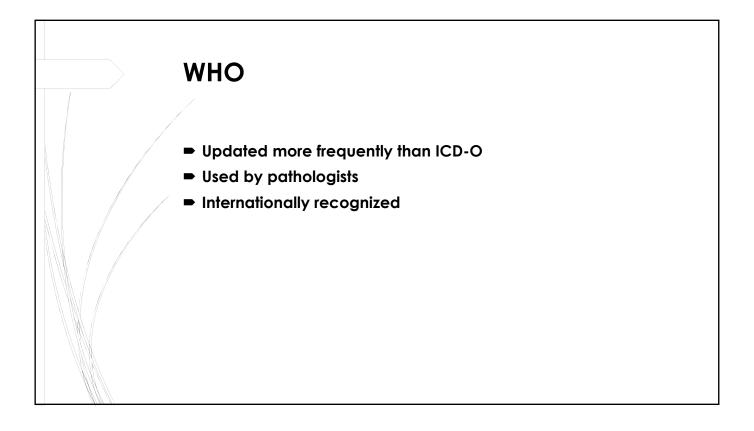


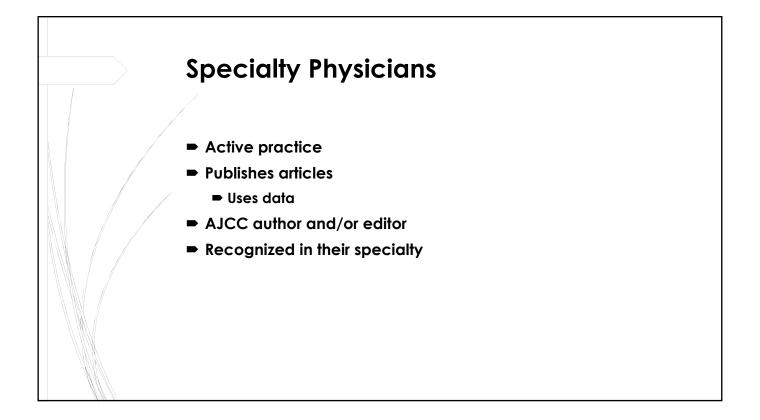
## How WHO and ICD-O Work Together WHO

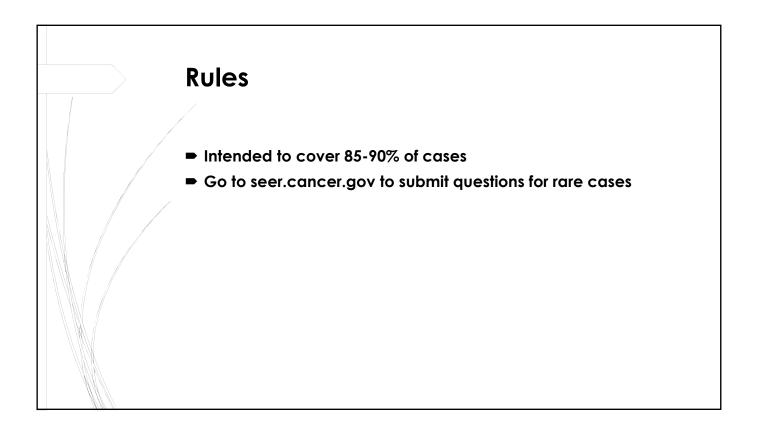
- Proposes new codes, terms, synonyms
- Declares codes and terms obsolete

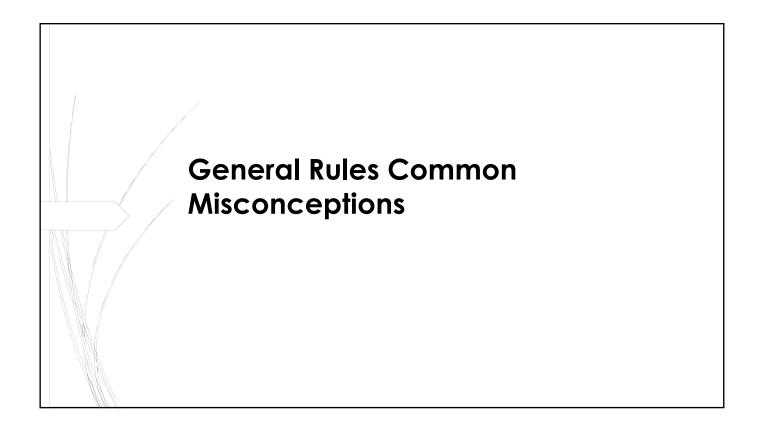
ICD-O

- •Implements new codes, terms, synonyms
- Makes codes and terms obsolete









#### When to Use General Rules

- Apply to all site rules
  - Unless specifically excluded
- Rules NOT used for
  - **■** Reportability OR
  - **■** Staging OR
  - **■** Grade of tumor
    - **■**Includes CNS

#### **Determining Multiple Primaries**

- **■** Rules determine multiple primaries
  - **■** Exception: Comparison original slides to subsequent tumor
- **■** Epidemiology
  - Long-term studies incidence, mortality and causation
  - Goal: reducing or eliminating disease

#### Why Emphasis on Epidemiology

- All DB used for epidemiology
  - In-house physician research
  - National databases
  - International databases
- Basic premise: if data are not collected consistently, they cannot be analyzed

#### Pop Quiz

- Primary site: right lower lung
- **■** Two nodules, both in RLL
  - Nodule 1: 2.2 cm Pathology: Acinic cell adenocarcinoma
  - Nodule 2: 0.9 cm. Pathology: Adenocarcinoma, NOS, specimen too small, but acinic growth features noted
- Physician states two primaries, because one nodule more aggressive than other. Staged T1b (m)
- How many primaries?

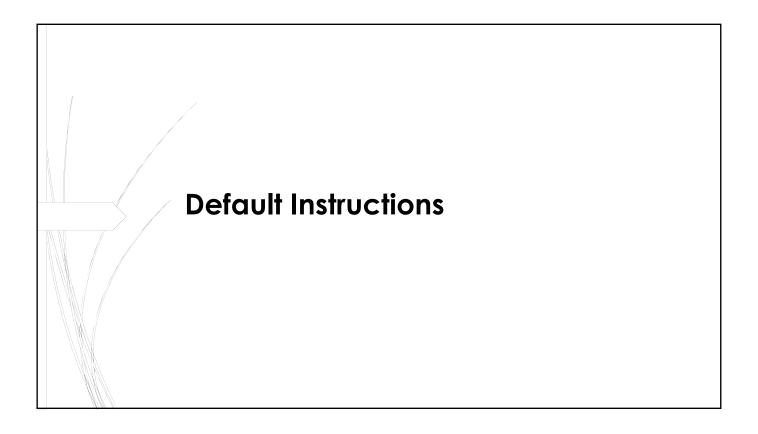
#### **Epidemiology – Long-Term Studies**

- Incidence counting primaries
- Errors caused by
  - Assumptions of new primary
    - **■**When subsequent tumor is staged
    - ■When multiple tumors are staged (urinary tract)
    - **■**When term "recurrence" is used
    - **■** Difference in physician assessment

#### **Mortality**

- Follow rules
  - **■** Count new primary when in situ followed by invasive
    - ■See specific rules for timing
  - If invasive not abstracted
    - **■** Does not count as incidence (Exceptions: BB, bladder)
    - Mortality attributed to in situ tumor

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## Number of Tumors – Which Module

- NEVER count metastatic lesions to determine which module
- "Metastatic lesions" include
  - Tumor deposits regional tissue/organ(s)
  - Distant metastases (separate lesions in distant organ/tissue)
- Disregard microscopic foci or focus same organ
- Multicentric/multifocal see specific rules

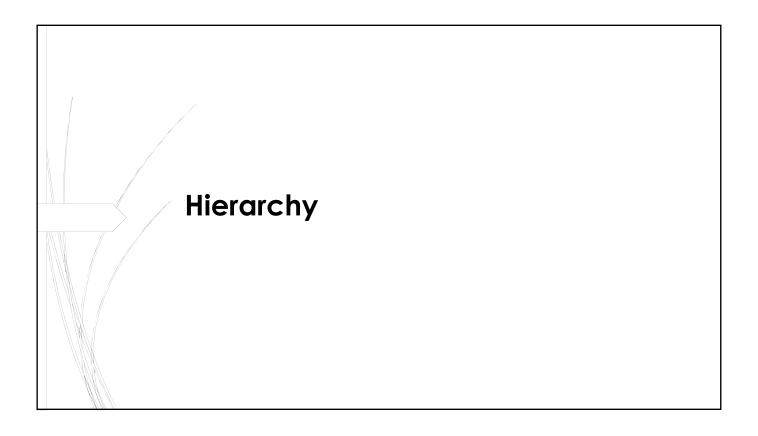
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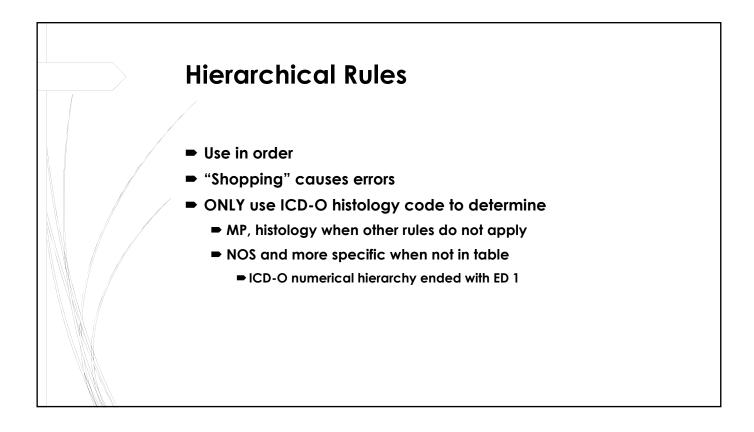
#### Recurrence

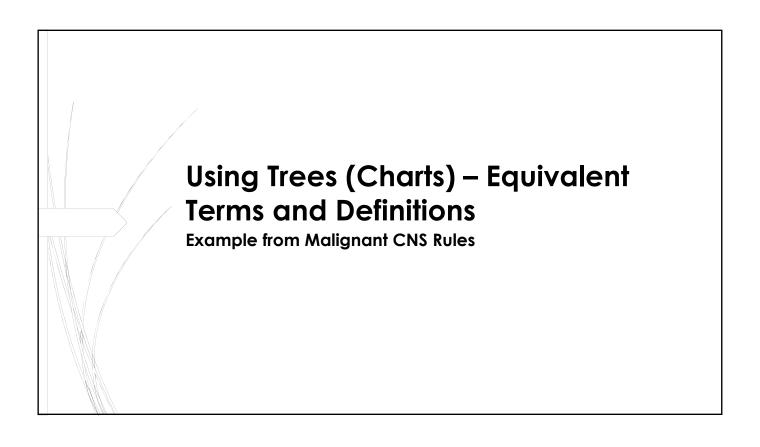
- Physician statement "recurrence" not used to determine MP
  - **■** Two definitions
    - True recurrence of original tumor
    - ► Had breast cancer before, now has breast cancer again
- Can code recurrence when slides compared (rare)
  - Same primary site
  - **■** Same histology
  - Cannot use when no statement "slides compared"

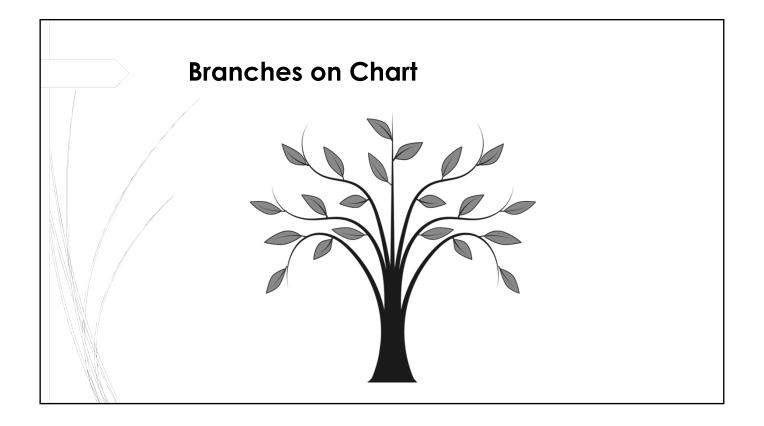
## New Primary VS Same Primary (Recurrence) Site-Specific

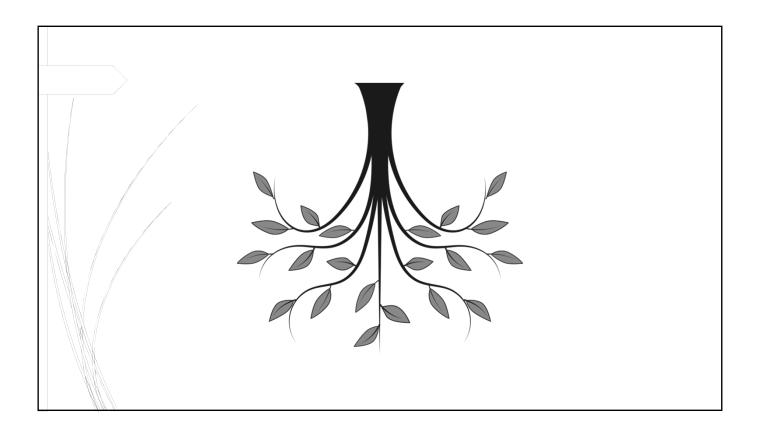
- First tumor invasive, subsequent in situ recurrence
- ► First tumor in situ, subsequent invasive < 60 days from diagnosis – same primary
- First tumor in situ, subsequent invasive ≥60 days new primary
- Timing instructions differ by site
  - Example: New tumor > 3 years from initial diagnosis is ALWAYS new primary

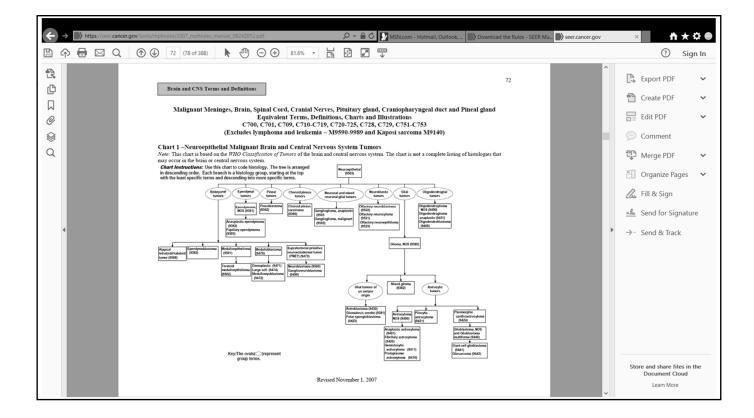












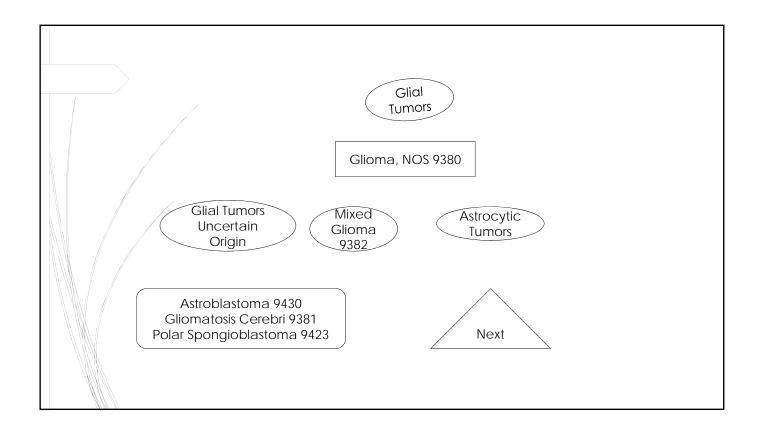
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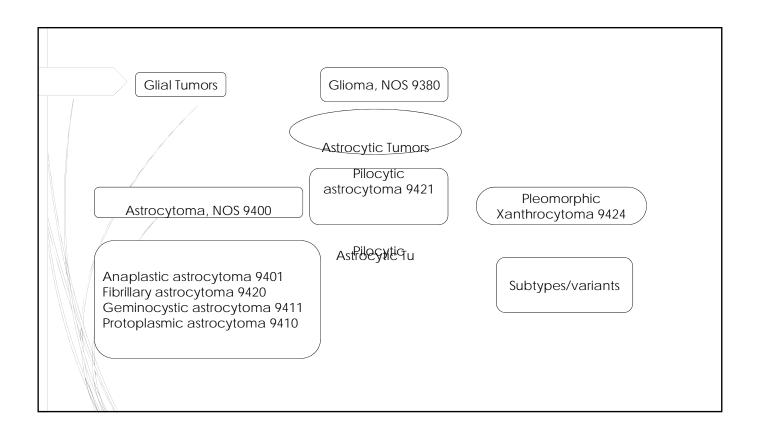
## Rules – Single Tumor with Multiple Histologies

- Same branch code the more specific histology
  - **■** Lowest branch
- **■** Different branches (not common)
  - **■** Combination code when available
  - **■** Code the more aggressive tumor
  - Code majority of tumor when "histology with \_\_\_ differentiation"
  - Check with pathologist and/or physician when possible

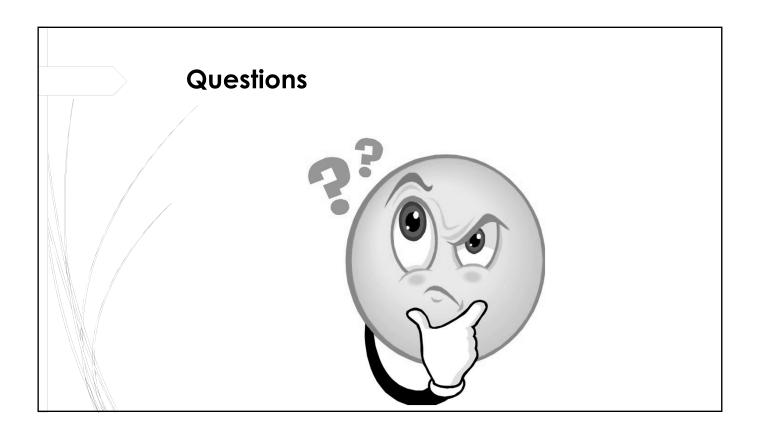
#### **Rules – Multiple Tumors**

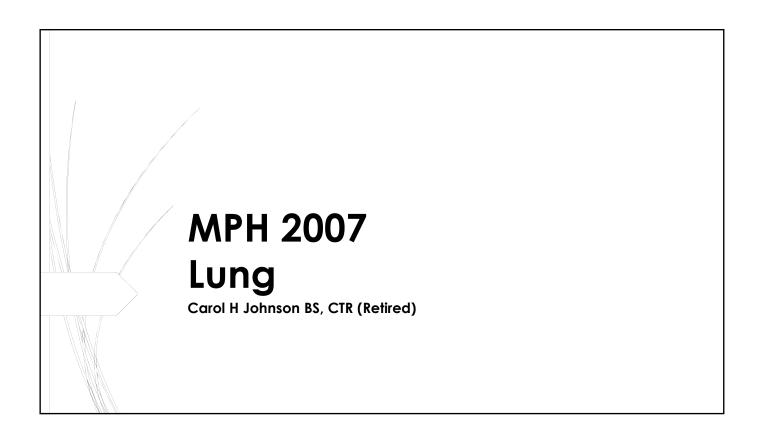
- **■** Different branches = multiple primaries
- Same branch = NOS and more specific OR
  - **■** Combination code
  - NOS code (more to follow)

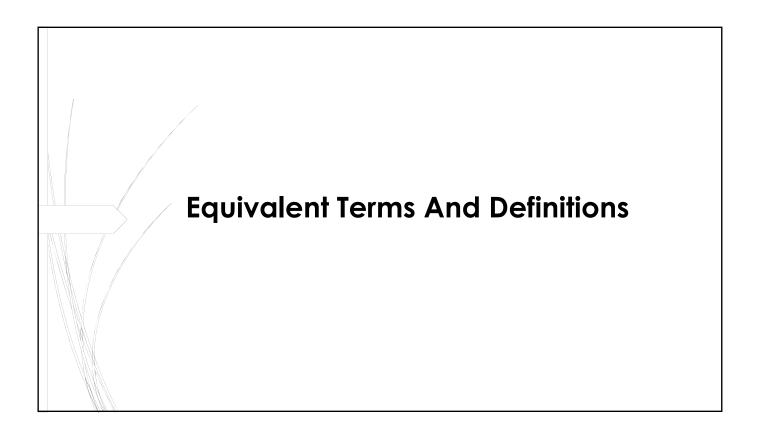




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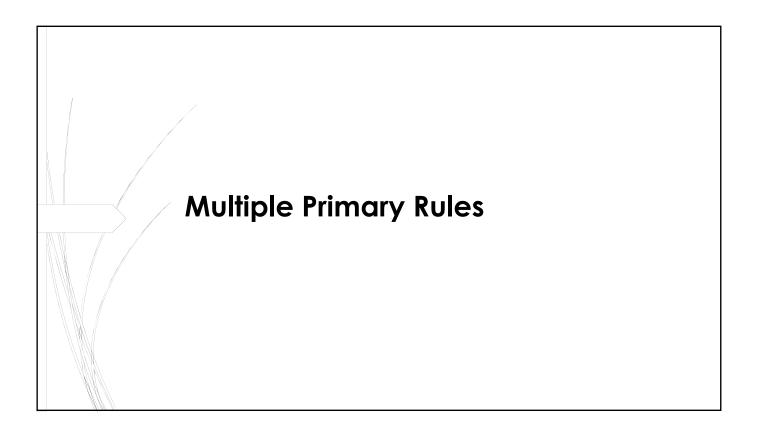






## Table 1: Combination/Mixed Codes for Lung Histologies

Column 1: Equivalent Terms	Column 2: Additional Required Terms	Column 3: ICD- O-3 Term	Column 4: ICD-O-3 Code
Combination at least 2 histologies Column 2	Bronchioalveolar carcinoma	Adenocarcinom a with mixed subtypes	8255
	Clear cell adeno- carcinoma		
	Papillary adeno- carcinoma		



## M6 (Multiple Tumor Module) Multiple Primaries

- A single tumor in each lung
  - **■** Commonly, metastatic lesions are not single
  - **■** Physicians treat as separate primaries
- Note: If both tumors resected/biopsied use pathology

## M7 (Multiple Tumor Module) Multiple Primaries

- <u>Multiple</u> tumors <u>both</u> lungs ICD-O-3 histology codes differ at first <u>X</u>xxx, second x<u>X</u>xx or third digit xx<u>X</u>x
  - **■** Confirm not metastatic
- Biopsy/resection pathology confirms histology
  - **■** Seldom resection

## M8 (Multiple Tumor Module) Multiple Primaries

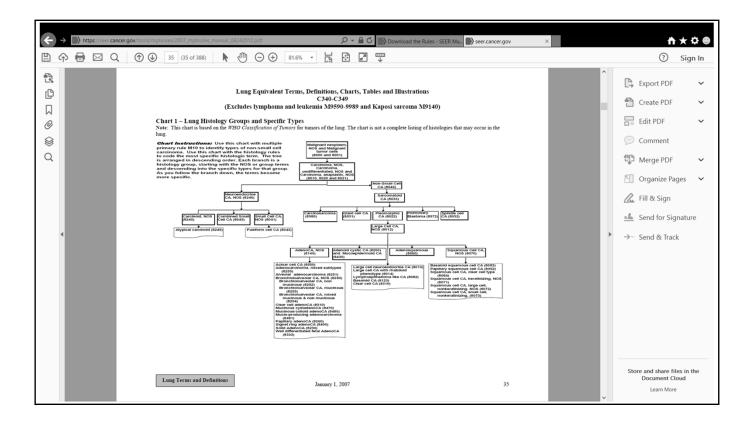
- Tumors diagnosed >3 years apart
  - **■** Patient clinically NED for >3 years
  - Based on epidemiology of tumor recurrence
  - **■** Timing conservative

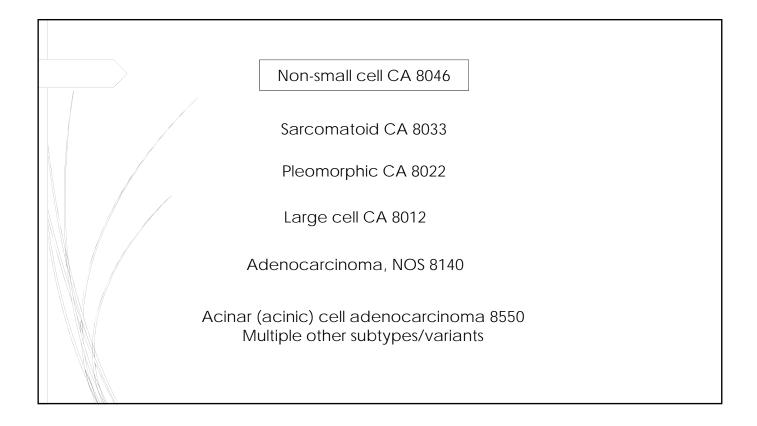
#### Pop Quiz

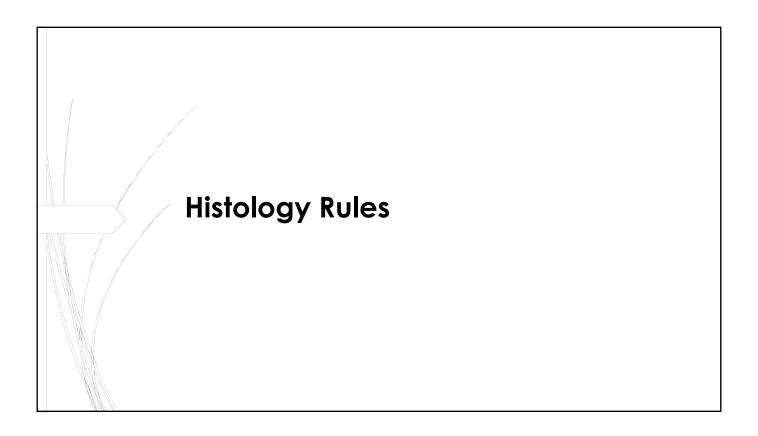
- **▶** Primary site: right lower lung
- Two nodules, both in RLL
  - Nodule 1: 2.2 cm Pathology: Acinic cell adenocarcinoma
  - Nodule 2: 0.9 cm. Pathology: Adenocarcinoma, NOS, specimen too small, but acinic growth features noted
- Physician states two primaries, because one nodule more aggressive than other. Staged T1b (m)
- How many primaries?

#### **One Primary**

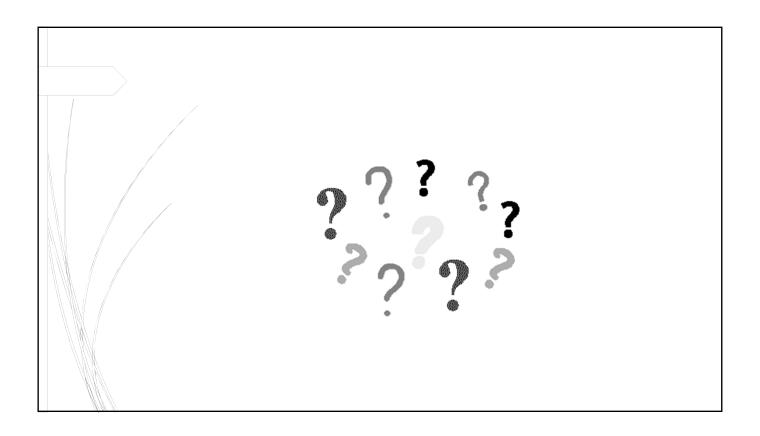
- Use rules, not physician statement/staging
- Rule M10 Tumors with non-small cell carcinoma, NOS (8046) and a more specific non-small cell carcinoma type (Chart 1) are a single primary

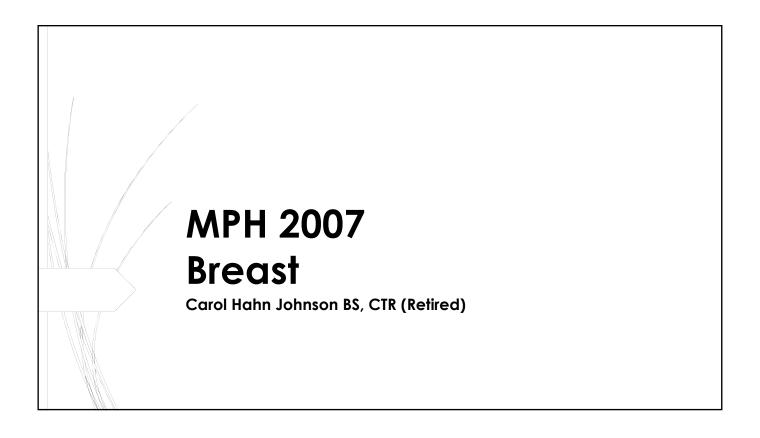


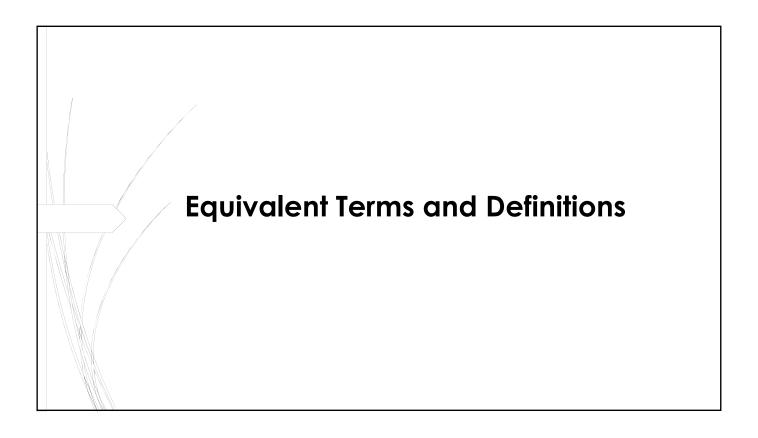


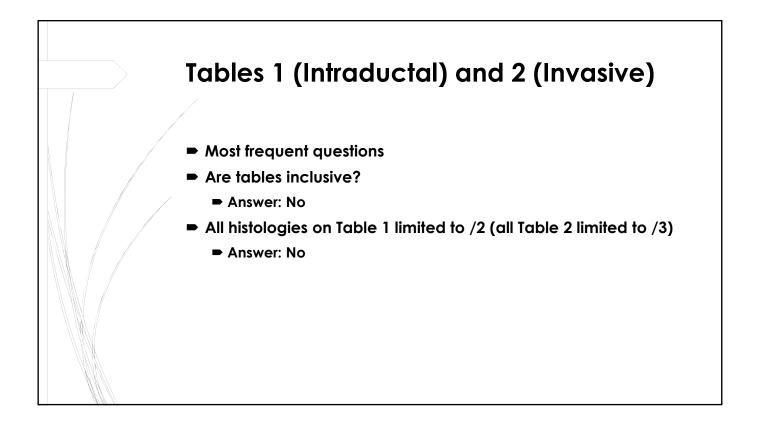


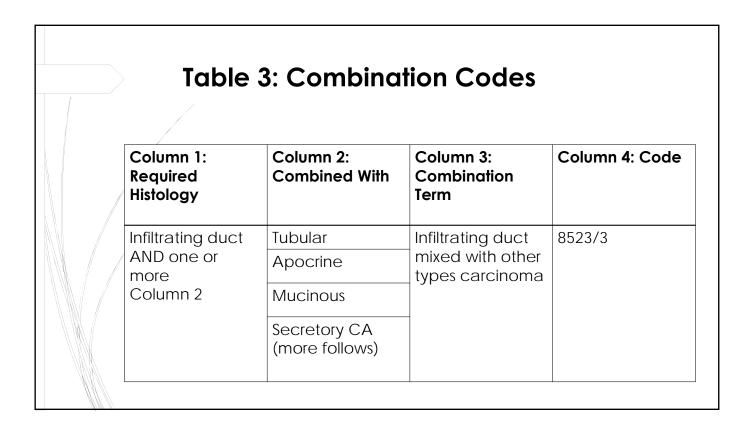
## H1 (Single Tumor Module) Code the histology documented by the physician when there is no pathology/cytology specimen or the pathology/cytology report is not available No biopsy, resection, or cytology OR Biopsy, resection, or cytology done elsewhere AND copy of report is not on medical record

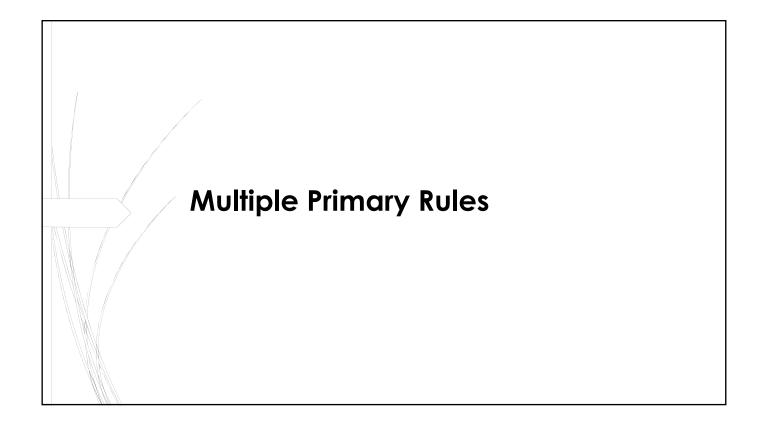












### M7 Multiple Tumor Module

- Tumors in RT and LT breast multiple primaries
  - ► Physician may state "bilateral" breast cancer
  - Physician usually stages both tumors
  - Rule applies to all histologies
  - Only exception: Proven metastasis

#### M8 Multiple Tumor Module

- Invasive following in situ >60 days multiple primary
  - New abstract for invasive
  - Can be in same quadrant/same breast
  - **■** Needed for epidemiology
- Conversely, Invasive following in situ ≤ 60 days single primary
  - Change original abstract to invasive behavior
  - Report change to central registry
- In situ following invasive same primary

#### M10 Multiple Tumor Module

- Multiple tumors, lobular and intraductal or ductal single primary
  - May be multiple tumors with both lobular and duct histologies OR
  - Multiple tumors, one or more lobular and one or more duct
- Use duct/lobular or intraductal/lobular combination code

#### Pop Quiz

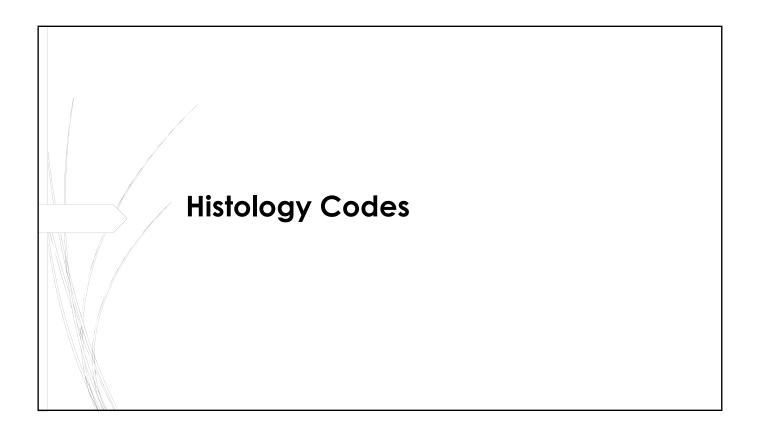
- **▶** Primary site: RT breast
- Procedure: Lumpectomy
  - Pathology: Two nodules same histology
    - ► First nodule 1.2 cm HER2nu positive
    - Second nodule no measurements, statement "very small" HER2nu negative
- Physician diagnosis: 2 primaries; one tumor more aggressive
- **►** Multiple Primary Y/N

#### **Answer/Rationale**

- Multiple tumors abstracted as a <u>single primary</u>
- No rules allowing use of tumor markers
- ➡ Her-2/neu is an oncogene which predicts prognosis and determines treatment
- Part of staging SSF
- Rule next slide

#### M13 Multiple Tumors Module

- Tumors that do not meet any of the above criteria are abstracted as a single primary
  - Note 1: When an invasive tumor follows an in situ tumor within 60 days, abstract as a single primary
  - Note 2: All cases covered by Rule M13 have the same first 3 numbers in ICD-O-3 histology code.



#### **Modules**

- Single Tumor: In Situ Carcinoma Only
- Single Tumor: Invasive and In Situ Carcinoma
- Single Tumor: Invasive Carcinoma Only
- Multiple Tumors Abstracted as a Single Primary
- **■** Start by determining whether single or multiple tumor(s)
  - When single, check pathology to see if in situ, in situ and invasive, or invasive. Go to appropriate module
  - When multiple tumors, go to Multiple Tumors module

### All Modules Except Single Tumor: Invasive and In Situ

- First rule tells you what documentation to use when path not available/not done
  - **■** Documented by the physician
    - **►** *Note 1:* Priority::
    - 1. Documentation in the medical record that refers to pathologic or cytologic findings
    - 2. Physician's reference to type of cancer (histology) in the medical record
    - ► Note 2: Code the specific histology when documented.
- After determining which documentation to use, go to next rule

## H4 Single Tumor Only: In Situ Table 3

- 8501/2 (comedocarcinoma, non-infiltrating) when noninfiltrating comedocarcinoma and any other intraductal carcinoma
- Comedo greater chance behavior change

#### H5, H6 Single Tumor: In Situ Table 3

- 8522/2 (intraductal and lobular) when combination of in situlobular and intraductal carcinoma
- 8523/2 (intraductal carcinoma mixed with other types of in situ carcinoma)
  - Combination of intraductal carcinoma and two or more specific intraductal types OR
  - Two or more specific intraductal carcinomas...

#### H7, H8 Single Tumor: In Situ Table 3

- 8524/2 (lobular mixed with other types carcinoma) when there is in situ lobular (8520) and any carcinoma <u>other than</u> intraductal
- 8255/2 (adenocarcinoma with mixed subtypes) combination of in situ/non-invasive histologies that <u>does not</u> include either intraductal or lobular

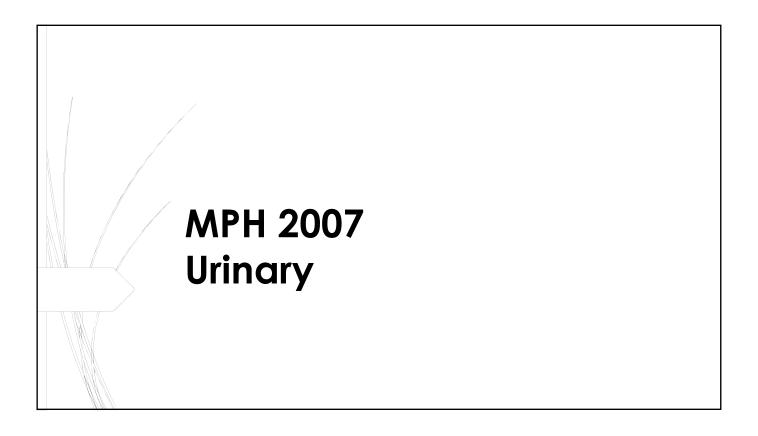
#### Breast pop quiz

- Breast 1-1-2014 the pt has an rt breast invas ductal ca (8500/3) with neg margins.
- Then 1-1-2016 the pt has a rt breast ca invas lobular ca (8520/3)?
- Is this one or two primaries?

**Rule M10** Tumors that are **lobular** (8520) **and** intraductal or **duct** are a single primary.  $^{\star}$ 

▶ *Note*: Use Table 1 and Table 2 to identify intraductal and duct carcinomas





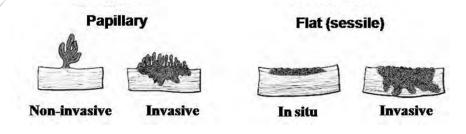
# Urinary Sites Renal pelvis, bladder, ureters, urethra all "urinary system" Produce, store, and transport urine Urothelium term for urinary tract mucosa Transitional cell carcinoma most common >90%

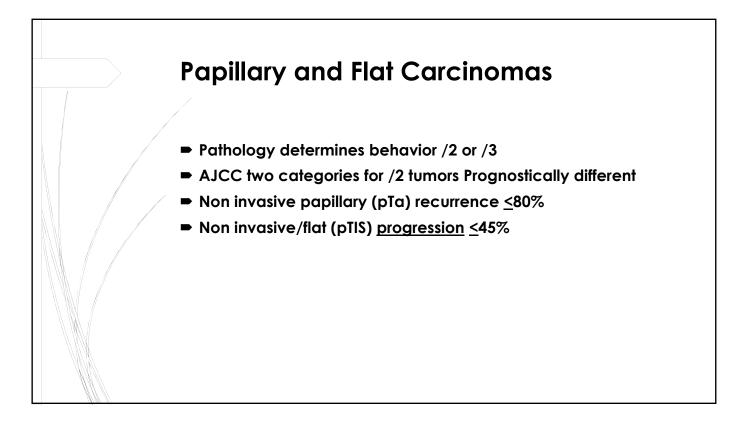
#### **Factoid**

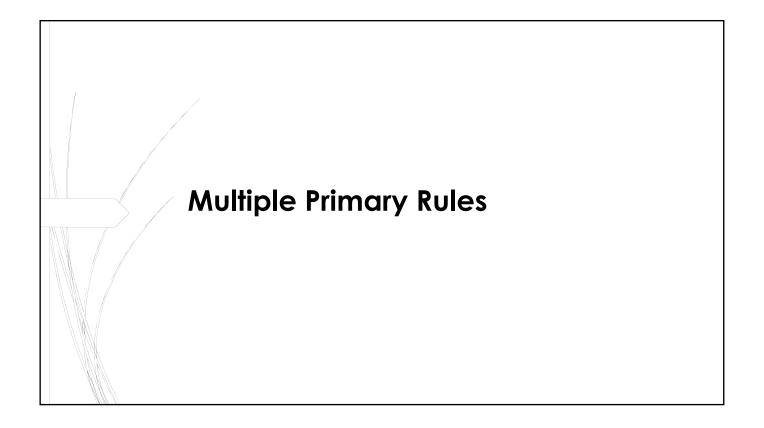
- One invasive urothelial <u>bladder</u> primary per lifetime
  - If in situ and subsequent invasive new primary
  - If invasive and subsequent in situ same primary (recurrence)
- Urothelial tumors frequently multifocal/multicentric
  - **►** Field effect theory
  - **■** Implantation theory
  - **■** Creates issues coding primary site
- Bladder primaries: 90-95% urothelial CA

#### **Common Error**

- Ta: Non-invasive papillary carcinoma
- Tis: Non-invasive flat carcinoma (flat carcinoma in situ, or CIS)
- 70% of patients Ta; 10% with CA in situ (flat)





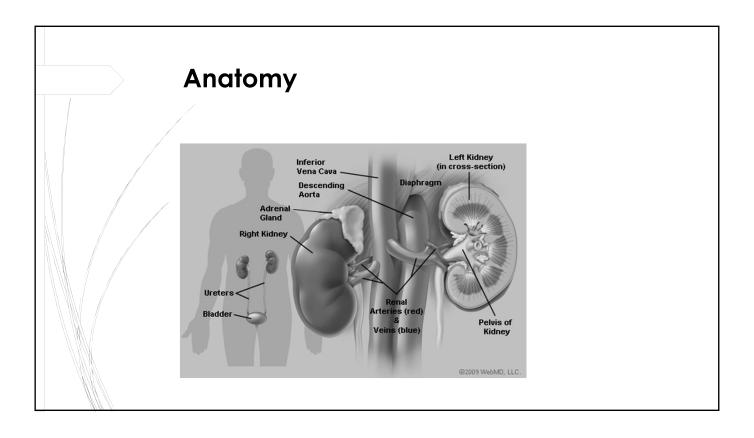


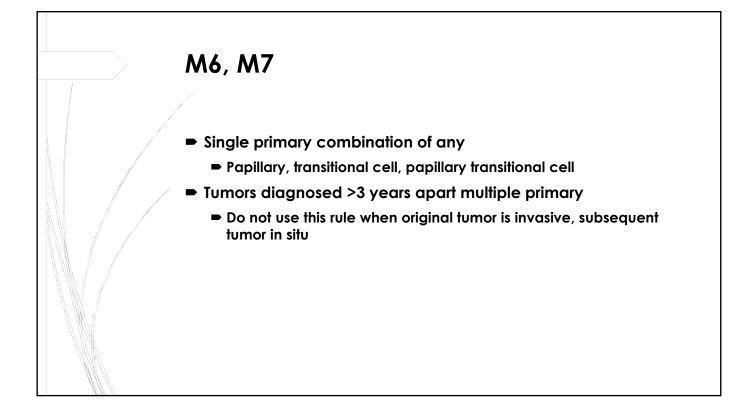
#### **Factoids**

- Multiple tumors may be single or multiple primaries
- Multifocal tumors common in urinary tract
- Multifocal: ≥2 tumors in urinary tract
- **■** Do not count metastases when choosing module
  - Microscopic foci or focus within urinary tract
  - Direct extension to regional tissue/organ
  - **■** Regional lymph nodes
  - **■** Distant metastases

## M3, M4 No Other Urinary Sites Involved Multiple Primaries

- RT and LT renal pelvis
- RT and LT ureters
  - Separate, non-contiguous tumors





#### M8 Single primary

- **■** Tumors in ≥2 of following
  - Renal pelvis
  - Ureter
  - Bladder
  - Urethra/prostatic urethra

### Epi Publication Bladder Most Common Urothelial Site

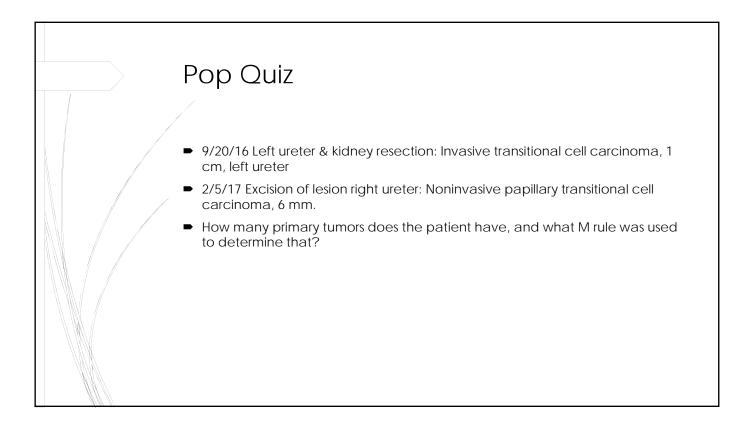
- Bladder cancer 9th most common in world; 430,000 new cases diagnosed US in 2012
- 1985-2005, number of new bladder cancers in US  $\uparrow$  over 50 percent
- http://www.uptodate.com/contents/epidemiology-and-risk-factors-of-urothelial-transitional-cell-carcinoma-of-the-bladder

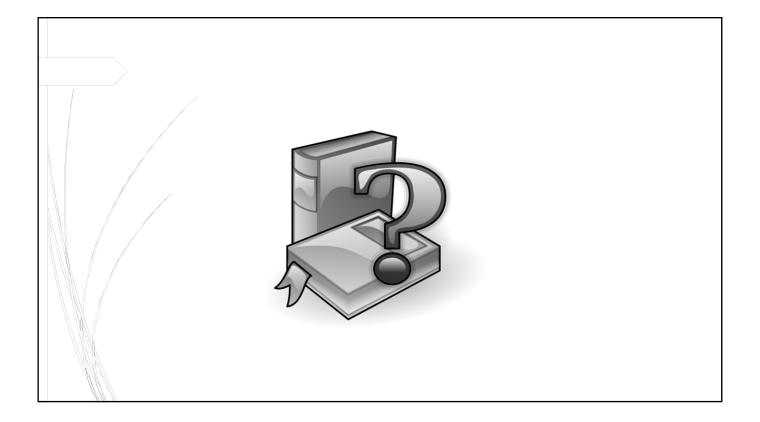
#### M6 Multiple Primary Module

- Rule M6 Bladder tumors with any combination of the following histologies: papillary carcinoma (8050), transitional cell carcinoma (8120-8124), or papillary transitional cell carcinoma (8130-8131), are a single primary
- **■** Papillary is appearance not histology

#### Rules are Hierarchical

- Rule M7 Tumors diagnosed more than three (3) years apart are multiple primaries
- Rule M8 Urothelial tumors in two or more of the following sites are a single primary (See Table 1)
  - Renal pelvis (C659)
  - Ureter(C669)
  - **■** Bladder (C670-C679)
  - Urethra /prostatic urethra (C680)

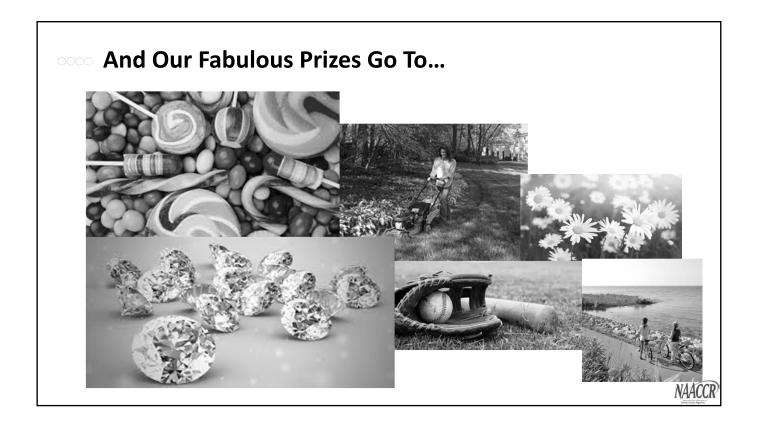




#### **Coming Up....**

- Collecting Cancer Data: Liver and Bile Ducts
  - **6/1/2017**
- Clinical Outcomes and Quality Improvement: Dashboard Drivers
  - **-** 7/13/17

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#### **CE Certificate Quiz Survey**

• Phrase

#### Hierarchy

• Link

http://www.surveygizmo.com/s3/3536703/MP-H-2017

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	Thank You!	
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