

Prostate STR & Grade

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Solid Tumor Rules (STR)

The most recent STR should be used as soon as it is released

- Each update contains start years for when NEW codes become valid and NEW instructions are active
 - If no associated date or instruction, then it can be applied back to 2023 for Other Sites (prostate)
 - Other Sites for cases diagnosed 2007-2022 use MPH rules/instructions
- Current STR manual (2025) is consolidated
 - Download is recommended:

https://seer.cancer.gov/tools/solidtumor/current/STM Combined.pdf

Solid Tumor Rules (STR)

Prostate C619

- Other sites of STR and MP/H
- When was your case diagnosed?
 - 2023+ Use current STR manual
 - https://seer.cancer.gov/tools/solidtumor/current/STM Combined.pdf
 - 2007-2022 use MP/H rules
 - Where can I find the MP/H rules?
 - SEER website Historical Staging and Coding
 - https://seer.cancer.gov/tools/mphrules/download.html

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ICD-O SITE CODE

- C619 Prostate Gland Other sites
 Easy Enough!!!!!!
- C680 Prostatic Urethra Urinary sites
 - o Rarely, you may get a Transitional Cell CA arising in the prostate.
 - This most likely arises from the prostatic urethra within the prostate (C680)

Other Sites STR

Prostate Histologies – Table 3

- Common histology types for prostate
- Coding Notes:
 - Ductal Adenocarcinoma
 - Biopsy "adenocarcinoma of prostate with ductal features" code 8140/3
 - <u>Radical prostatectomy</u> Ductal component MUST be <50% of tumor and percentage reported to code **8500/3**
 - Intraductal carcinoma of prostate 8500/2
 - Most often associated with invasive acinar adenocarcinoma or ductal carcinoma

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Other Sites STR

Prostate Table 3 cont.

- Mucinous adenocarcinoma
 - Excision specimens ONLY mucinous adenocarcinoma component must comprise
 >25% tumor code 8480/3
- Sarcomatoid carcinoma 8572/3
 - Exceedingly rare
 - Commonly occurs during the development of high-grade adenoca, espically after XRT
- Signet ring cell-like adenocarcinoma
 - Excision specimens ONLY signet ring like cells must comprise >25% tumor code 8490/3

NOS/Specific	Synonym	Subtype/Variant
Acinar Adenocarcinoma 8140 Note: Ductal/intraductal adenoca 8500 is also a NOS with the following s/v: Cribriform adenoca 8201/3 Papillary adenoca 8260/3 Solid adenoca 8230/3	Acinar carcinoma Adenoca in situ 8140/2 Adenocarcinoma NOS 8140/3 Adenocarcinoma with ductal features 8140/3	Acinar adenoca, sarcomatoid variant 8572 Ductal/intraductal adenoca 8500 Cribriform 8201 Papillary 8260 Solid 8230 Mucinous (colloid) adenoca 8480 Signet ring-like cell adenoca 8490
Adenocarcinoma w/ neuroendocrine differentiation 8574/3 Note 1: histology is considered treatment-related neuroendocrine prostatic CA Note 2: Code 8574/3 ONLY when there is NO previous hx of prostate adenoca or hx of androgen-deprivation tx		

Prostate Table 3

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Multiple Primary Rules

OTHER SITES - PROSTATE

Multiple Primary Rules

Unknown if Single or Multiple Tumors

- ∘ M1 Single primary
 - Use this rule AFTER all information sources have been exhausted
 - Limited information cases

Single Tumor

- ∘ M2 Single Primary
 - Single tumor is ALWAYS a single primary

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Multiple Primary Rules

Multiple Tumors

- M3 Acinar Adenocarcinoma (8140) of prostate is <u>ALWAYS</u> a <u>single</u> <u>primary</u>
 - 95% of prostate malignancies are the common (acinar) adenocarcinoma histology
 - Applies to multiple occurrences of acinar adenoca of prostate and/or subtype/variant (Table 3)
- M4 Small cell carcinoma of prostate more than 1 year following a diagnosis of acinar adenocarcinoma (include s/v) is multiple primaries
 - Small cell carcinoma of prostate is rare

Prostate Case Example

Path Report 1/14/2024 Prostate, prostatectomy:

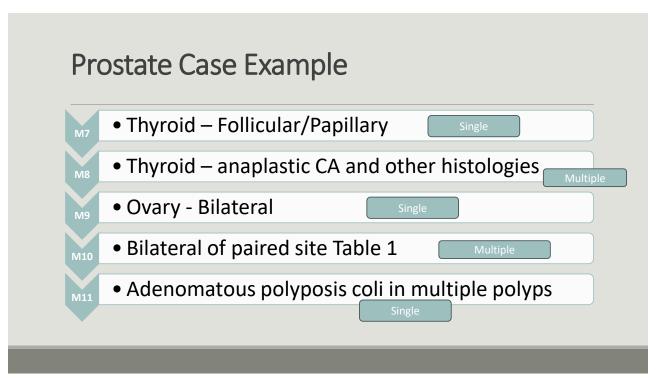
- Prostatic **adenocarcinoma (8140/3)**, Gleason score 4+3=7 (grade group 2), with tertiary pattern 5.
 - Tumor involves both lobes with focal extraprostatic extension.
 - All surgical margins free of tumor. Perineural invasion identified.
 - Lymphovascular invasion identified.
- Separate incidental well-differentiated neuroendocrine tumor (carcinoid tumor) (8240/3), 0.1 cm in greatest dimension confined to the prostate (chromogranin, synaptophysin, PSA, PSAP and CK7 positive) with no mitoses identified.
- Seminal vesicles free of tumor.

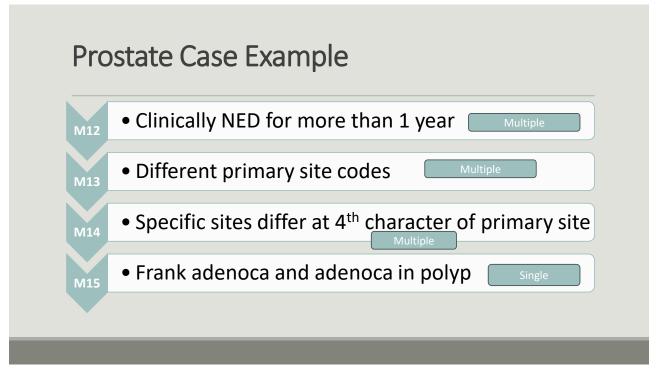
How many primaries?

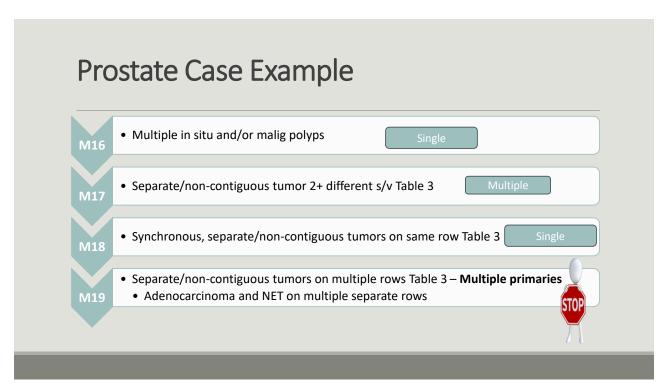
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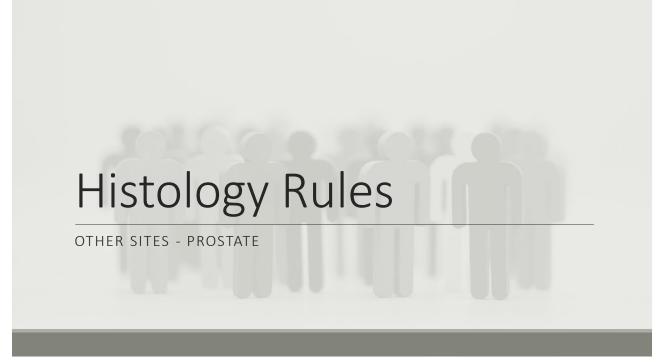
Prostate Case Example

M3	• Acinar Adenoca 8140	Single
M4	Small cell ca more than	1yr after adenoca prostate
M5	Retinoblastoma	Single
M6	Kaposi Sarcoma	Single









Histology Rules Headers

Single Tumor: In-Situ Only (all behaviors are in situ)

• H1-H7

Single Tumor: Invasive and In Situ Components

• H8

Single Tumor: Invasive Only

• H9-H21

Multiple Tumors Abstracted as a Single Primary

• H22-H35

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Prostate Histology – Table 3

Description	Code/Histology	Single Tumor: Invasive	Mult Abstract Single
When diagnosis is: Acinar adenocarcinoma OR Adenocarcinoma OR Adenocarcinoma w/ ductal features OR Atrophic adenocarcinoma OR Foamy gland adenocarcinoma OR Microcystic adenocarcinoma OR Pseudohyperplastic adenocarcinoma OR Prostatic intraepithelial-like CA	8140	H11	Н24
NOS histology and SINGLE s/v of that NOS Table 3	Code subtype/variant	H15	H34
Combination of invasive and in situ	Code invasive histology		H32

Prostate Case Example

Path Report 1/14/2024 Prostate, prostatectomy:

- Prostatic adenocarcinoma (8140/3), Gleason score 4+3=7 (grade group 2), with tertiary pattern 5.
 - Tumor involves both lobes with focal extraprostatic extension.
 - All surgical margins free of tumor. Perineural invasion identified.
 - Lymphovascular invasion identified.
- Separate incidental well-differentiated neuroendocrine tumor (carcinoid tumor) (8240/3), 0.1 cm in greatest dimension confined to the prostate (chromogranin, synaptophysin, PSA, PSAP and CK7 positive) with no mitoses identified.
- Seminal vesicles free of tumor.

What are the appropriate histologies?

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Single Tumor: Invasive Only H9 - Path/Cytology not available H10 - No path/cyto from primary site H11 - Code 8140 for prostate primaries when diagnosis is: • Acinar Adenocarcinoma OR • Adenocarcinoma H12 - Code histology when there is only one type

Prostate Case Example

MP Rule	Primary Site	Histology Rule	Histology
M19	C619	H11	8140 (adenocarcinoma)
M19	C619	H12	8240 (well diff NET)

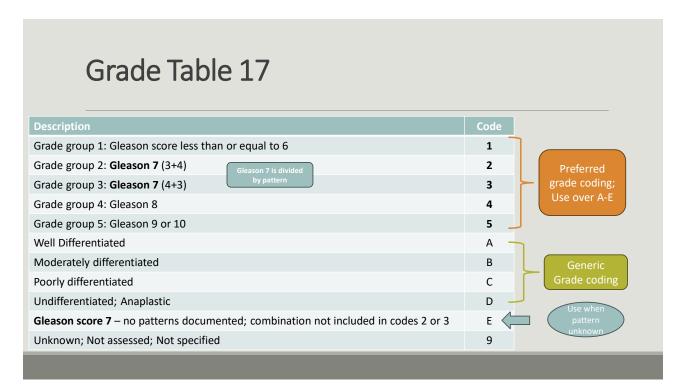
Specific or NOS Terms and Code	Synonym	Subtypes/Variants
Acinar adenocarcinoma 8140 Nuez: Decta/intraductal adenocarcinoma 8500 s ida o NOS with the following subtypes/variants: Cribriforma denocarcinoma 8201/3 Papillary adenocarcinoma 8200/3 Solid adenocarcinoma 8230/3	Acinar carcinoma Adenocarcinoma in situ 81402 Adenocarcinoma in situ 81403 Adenocarcinoma NOS 81403 Adenocarcinoma with ductal features 81403 Featury gland adenocarcinoma 81403 Featury gland adenocarcinoma 81403 Pseudohyperplistic adenocarcinoma 81403 Pseudohyperplistic adenocarcinoma 81403 Pseudohyperplistic adenocarcinoma 81403 81403 81403	Acinar adenocarcinoma, sarcomatoid variant 8572 Ductal/intraductal adenocarcinoma 8500 Cribriform adenocarcinoma 8201 Papillary adenocarcinoma 8201 Solid adenocarcinoma 8203 Mucinous (colloid) adenocarcinoma 8205 Signet ring-like cell adenocarcinoma 8400
Neuroendocrine tumor 8240/3 Note 1: 50% of SmCC of prostate cases present as a de novo malignancy Note 2: SmCC of the prostate often occurs following androgen deprivation treatment for acinar adenocarcinoma	Well differentiated neuroendocrine tumor WD neuroendocrine tumor	Large cell neuroendocrine carcinoma 8013/3 Small cell neuroendocrine carcinoma 8041/3

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Prostate Grade

TABLE 17

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Grade Clinical

- Can NOT be blank
- Assign the highest grade during the clinical timeframe
- •TURP or Simple Prostatectomy = clinical grade **ONLY**
- •Code 9 when:
 - Grade from primary site unknown
 - Clinical workup is not done
 - "Not applicable" checked on CAP protocol and no other grade information is available

Grade Pathological

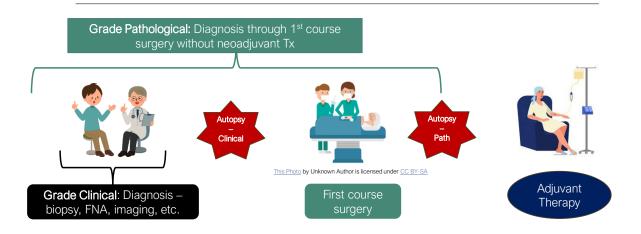
- Can NOT be blank
- If clinical grade uses preferred grading (1-5) and pathologic grade uses generic grading (A-D), then **DO NOT** use grade clinical as grade pathological
- Assign highest grade from pathological timeframe
- Radical prostatectomy = Grade Pathological

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Grade Pathological

- Use grade from clinical work up based on:
 - Behavior
 - Tumor behavior for clinical and pathological diagnoses are the same **AND** clinical grade is highest
 - Clinical behavior is invasive and pathologic is in situ
 - Surgical Resection
 - Resection of primary tumor and there is no grade documented from surgery
 - Resection of primary and there is **NO** residual disease
 - No Surgical Resection
 - No resection of primary tumor, but positive microscopic confirmation of distant metastasis during clinical timeframe

Clinical & Path Grade Coding Timeframe



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Grade Post-Therapy Clinical (yc)

- Leave blank when:
 - No neoadjuvant therapy
 - Clinical or pathological case only
 - Neoadjuvant therapy completed
 - NO microscopic exam done prior to surgery/resection primary tumor
 - Only one grade available can't be determined which timeframe
- Assign highest grade during post-therapy clinical timeframe
- Code 9 when:
 - Micro exam done of primary after neoadj therapy and grade not documented
 - Micro exam done after neoadj therapy and no residual cancer
 - Grade checked "not applicable" on CAP

Grade Post-Therapy Path (yp)

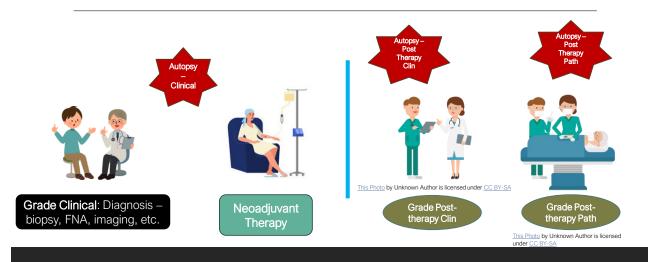
- Leave blank when:
 - No neoadjuvant therapy
 - Clinical or pathologic case only
 - Neoadjuvant therapy completed Surgical resection NOT done
 - Only one grade available and unknown which timeframe
- If post-therapy clinical grade uses preferred system and posttherapy path grade does not use preferred grade, then do NOT record post-therapy clinical in post-therapy path grade data item
- Assign highest grade during post-therapy path timeframe

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Grade Post-Therapy Path (yp)

- •Use grade from post-therapy clinical work up from primary tumor in post-therapy path data item when:
 - Behavior:
 - Post-therapy clinical and post-therapy path have the SAME behavior, and highest grade is post-therapy clinical
 - Post-therapy clinical behavior is invasive and post-therapy path is in-situ
 - Surgical Resection:
 - Resection done of primary after neoadjuvant therapy complete and no grade documented on resection path
 - Resection done of primary after neoadjuvant therapy complete and <u>no residual</u> <u>cancer</u>

Post-Therapy Grade Coding Timeframe



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Forum Question on Grade

https://cancerbulletin.facs.org/forums/forum/site-specific-data-items-grade-2018/124735-small-cell-carcinoma-grade

Question: Small cell carcinoma to the prostate with no grade stated on TRUSBX. Can I code grade to D (undifferentiated, anaplastic), or defer to 9 because small cell does not receive Gleason Score?

Answer: Applies to all sites. For Prostate, the grade would be 5.

3/24/2023

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Training | Coding CEs

- Dx 2021-2024 EOD & SS, Grade, SSDI Mashup
 - Prostate cases 1-10



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Questions

Contact Info

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