Site-Specific Codes for Neoadjuvant Therapy Treatment Effect

Schemas: Bladder

Neoadjuvant Therapy--Treatment Effect data item [NAACCR #1634] is related to the *Neoadjuvant Therapy* data item [NAACCR #1632]. This data item records the findings from the post neoadjuvant therapy **surgical pathology report ONLY** when surgery is performed after neoadjuvant therapy. This set of codes applies to the Bladder schema.

Note 1: The definitions for Treatment Effect for Bladder have changed based on the Bladder CAP Protocol released September 2023.

Note 2: BCG prior to surgical resection is not neoadjuvant therapy.

Code	Description
0	Neoadjuvant therapy not given/no known presurgical therapy
1	Complete pathological response Absence of histologically identifiable residual cancer cells and extensive fibrosis of the tumor bed after presurgical neoadjuvant therapy (TRG1) Residual in situ carcinoma only Stated as TRG1
2	Strong response (near complete pathological response) Predominant fibrosis of the tumor bed with residual cancer cells occupying less than 50% of this area (TRG2) Stated as TRG2
3	Weak/poor response (partial or minimal response) OR no pathological response) Residual cancer cells occupying greater than or equal to 50% of the tumor bed or absence of regressive changes (TRG3) Stated as TRG3 Stated as weak, partial, or minimal response Stated as no response
4	Stated as response, percentage not given Response, NOS Not stated as TRG1, TRG2, TRG3 Not stated as complete, partial, weak, minimal, poor, or no response
6	Neoadjuvant therapy completed and surgical resection performed, response not documented or unknown Cannot be determined
7	Neoadjuvant therapy completed and planned surgical resection not performed
9	Unknown if neoadjuvant therapy performed Unknown if planned surgical procedure performed after completion of neoadjuvant therapy Death certificate only (DCO)

For purposes of this data item, **neoadjuvant therapy** is defined as systemic treatment (chemotherapy, endocrine/hormone therapy, targeted therapy, immunotherapy, or biological therapy) and/or radiation therapy given to shrink a tumor before surgical resection.

Surgical resection: For purposes of this data item, surgical resection is defined as the most definitive surgical procedure that removes some or all of the primary tumor or site, with or without lymph nodes and/or distant metastasis. For many sites, this would be Surgical Codes A300-A800 or B300-B800; however, there are some sites where surgical codes less than A300 or B300 could be used, for example, Code B290 for Breast (central lumpectomy).

*Note***:** This data item is **not** the same as AJCC's Post Therapy Path (yp) Pathological Response, which is based on the managing/treating physician's evaluation from the surgical pathology report and clinical evaluation after neoadjuvant therapy. This data item addresses response based on the **surgical pathology report** including the Treatment Effect section of the CAP Cancer Protocol if applicable.

Coding Instructions

Use the *Neoadjuvant Therapy--Treatment Effect* data item [NAACCR # 1634] to record the findings from the post neoadjuvant therapy **surgical pathology report ONLY** including the Treatment Effect section of the CAP Cancer Protocol if applicable.

1. Assign code **0**

   a. When the patient did not receive neoadjuvant therapy prior to surgical resection

   b. When the treatment administered is not neoadjuvant therapy (pre-surgical treatment) because surgical resection was not planned

      Example: Patient with unresectable bladder cancer (no surgical resection planned), chemotherapy and radiation administered.

   c. When it is clear that the patient did not have neoadjuvant therapy based on the sequence of diagnosis and treatment

      Example: Patient diagnosed with bladder cancer via biopsy, had surgical resection followed by chemotherapy and radiation.

   d. For autopsy only cases

   Note: *Neoadjuvant Therapy* data item [NAACCR #1632] is coded to 0 or 3.

2. Assign code **1** when

   a. A complete (total) pathological response (CR) is documented in the surgical pathology report

      Note: CR is defined as the absence of all known tumor/lesions and lymph nodes.

   b. There is residual in situ cancer only

   Note: *Neoadjuvant Therapy* data item [NAACCR #1632] is coded to 1 or 2.

3. Assign code **2** when

   a. A strong or near complete response is documented in the surgical pathology report

   Note 1: Strong or near response is defined as less than 50% viable tumor and evidence of fibrosis.

   Note 2: *Neoadjuvant Therapy* data item [NAACCR #1632] is coded to 1 or 2.

4. Assign code **3** when

    a.   A weak, poor, or partial response (PR) is documented in the surgical pathology report

Note 1: Weak or partial response is defined as greater than or equal to 50% of the tumor bed or no evidence of regressive changes. Also code 3 when there is no response.

Note 2: Neoadjuvant Therapy data item [NAACCR #1632] is coded to 1 or 2.

5. Assign code **4** when

    a.   A response is documented; however, there is no statement of complete, strong, near, partial, weak, or poor response, and the percentage of viable tumor is not known

Note: *Neoadjuvant Therapy* data item [NAACCR #1632] is coded to 1 or 2.

6. Assign code **6** when

    a.   Neoadjuvant therapy was completed and there is no documented treatment response in the surgical pathology report

Note: *Neoadjuvant Therapy* data item [NAACCR #1632] is coded to 1 or 2.

7. Assign code **7** when

    a.   The planned post neoadjuvant surgical resection was not completed for reasons including

        i.   Complete clinical response and planned surgical resection cancelled

        ii.   Treatment failure (stable or progressive disease) and planned surgical resection cancelled

        iii.   Complications and planned surgical resection cancelled

        iv.   Patient refusal of planned surgical resection

        v.   Planned surgical resection started but not completed (surgical resection aborted)

Note 1: *Neoadjuvant Therapy* data item [NAACCR #1632] coded to 1 or 2.

Note 2: Code the reason for the surgery not done in *Reason for No Surgery* [NAACCR #1340].

8. Assign code **9** when

    a.   It is unknown whether neoadjuvant therapy was administered

        i.   Planned, but unknown if given

        ii.   Death certificate only (DCO)

    b.   The only information available is the managing/treating physician's evaluation

Note 1: *Neoadjuvant Therapy* data item [NAACCR #1632] is coded to 9.

Note 2: *Neoadjuvant Therapy--Clinical Response* data item [NAACCR #1633] is coded to 9.

Note 3: Code 9 (unknown) should be used rarely.

Note 4: Use code 0 when it is clear that the patient did not have neoadjuvant therapy based on the sequence of diagnosis and treatment.