

BONE (INCLUDING JOINTS AND ARTICULAR CARTILAGE)

8000-8934, 8940-9138, 9141-9582

C400-C403, C408-C414, C418-C419

C400 Long bones of upper limb, scapula and associated joints

C401 Short bones of upper limb and associated joints

C402 Long bones of lower limb and associated joints

C403 Short bones of lower limb and associated joints

C408 Overlapping lesion of bones, joints and articular cartilage of limbs

C409 Bone of limb, NOS

C410 Bones of skull and face and associated joints (excludes mandible C411)

C411 Mandible

C412 Vertebral column

C413 Rib, sternum, clavicle, and associated joints

C414 Pelvic bones, sacrum, coccyx and associated joints

C418 Overlapping lesion of bones, joints and articular cartilage

C419 Bone, NOS

Note 1: Sources used in the development of this chapter

- SEER Extent of Disease 1988: Codes and Coding Instructions (3rd Edition, 1998) (<https://seer.cancer.gov/archive/manuals/EOD10Dig.3rd.pdf>)
- SEER Summary Staging Manual-2000: Codes and Coding Instructions (<https://seer.cancer.gov/tools/ssm/ssm2000/>)
- Collaborative Stage Data Collection System, version 02.05: <https://cancerstaging.org/cstage/Pages/default.aspx>
- Chapter 38 *Bone*, in the AJCC Cancer Staging Manual, Eighth Edition (2017) published by Springer International Publishing. Used with permission of the American College of Surgeons, Chicago, Illinois.

Note 2: Other Summary Stage Chapters with Bone sites

- **GIST:** 8935-8936
- **Kaposi Sarcoma:** 9140
- **Mycosis Fungoides:** 9700-9701

Note 3: Not applicable codes

- Code 0 is not applicable for this chapter.

Note 4: Cortex of the bone

- The cortex of a bone is the dense outer shell that provides strength to the bone; the spongy center of a bone is the cancellous portion.
- The periosteum of the bone is the fibrous membrane covering of a bone that contains the blood vessels and nerves; the periosteum is similar to the capsule on a visceral organ.

Note 5: Spinal tumors

- For the spinal tumors (C412), if only the number of adjacent vertebral segments below are involved, this would be localized (code 1). Any other vertebral segments involved (non-adjacent) would be regional (code 2).
 - Body (left)
 - Body (right)
 - Pedicle (left)
 - Pedicle (right)
 - Posterior element

Note 6: Pelvic tumors

- For the pelvic tumors (C414), both the number of pelvic segments involved by the primary tumor and the presence or absence of extraosseous extension determine the correct Summary Stage 2018 for localized and regional pelvic bone primaries. The four pelvic segments used in these codes are:
 - Acetabulum
 - Iliac wing
 - Pubic ramus/Symphysis/Ischium
 - Sacrum

Note 7: Definition of Regional lymph nodes

- Regional lymph nodes are defined as those in the vicinity of the primary tumor.

Note 8: Lymph node involvement in bone is rare

- Regional lymph node involvement is rare.
- If there is no mention of lymph node involvement clinically, assume that lymph nodes are negative.

SUMMARY STAGE

1 Localized only (localized, NOS)

- Appendicular (C400-C403, C408-C411, C413, C418-C419)
 - Confined to cortex of bone
 - Extension beyond cortex to periosteum (no break in periosteum)
- Spine (C412)
 - Confined to spine, NOS (number of segments involved not known)
 - Involvement of single or multiple adjacent vertebral segment(s)
- Pelvis (C414)
 - Confined to pelvis, NOS (number of segments involved not known and WITHOUT or UNKNOWN if extraosseous extension)
 - One to four pelvic segments involved WITHOUT or UNKNOWN if extraosseous extension

2 Regional by direct extension only

- All sites
 - Extraosseous extension (beyond periosteum to surrounding tissues, including adjacent skeletal muscle(s))
- Appendicular (C400-C403, C408-C411, C413, C418-C419)
 - Adjacent bone/cartilage
- Spine (C412)
 - Involvement of multiple non-adjacent vertebral segments
 - Spinal canal
- Pelvis (C414)
 - One to four pelvic segments involved WITH extraosseous extension

3 Regional lymph node(s) involved only

- Regional lymph node(s), NOS
 - Lymph node(s), NOS

4 Regional by BOTH direct extension AND regional lymph node(s) involved

- Codes (2) + (3)

7 Distant site(s)/lymph node(s) involved

- Distant site(s) (including further contiguous extension)
 - All bone sites
 - Bone (other than primary site)
 - Lung
 - Appendicular (C400-C403, C408-C411, C413, C418-C419)
 - Discontinuous tumors in the primary bone site ("skip" metastasis)
 - Skin
 - Spine (C412)
 - Gross vascular invasion
 - Tumor thrombus in great vessels
 - Pelvis (C414)
 - Encasement of external iliac vessels
 - Gross tumor thrombus in major pelvic vessels
 - Sacral neuroforamen
 - Sacroiliac joint
- Distant lymph node(s), NOS
- Distant metastasis, NOS
 - Carcinomatosis
 - Distant metastasis WITH or WITHOUT distant lymph node(s)

9 Unknown if extension or metastasis