INVASIVE BREAST CARCINOMA (including microinvasive ca < 0.1 cm)

Laterality: Right  Left  not specified  cannot be determined

Procedure:
- Excisional biopsy
- Lumpectomy
- Skin-sparing mastectomy
- Nipple-sparing mastectomy
- Simple mastectomy
- Modified radical mastectomy
- Not specified
- Cannot be determined

Sentinel lymph node sampling:
- Performed
- Not performed
- Not specified
- Cannot be determined

Non-sentinel lymph node sampling:
- Performed
- Not performed
- Not specified
- Cannot be determined

Neoadjuvant therapy:
- Performed
- Not performed
- Not specified
- Cannot be determined

Tumor focality:
- Unifocal
- Multifocal
- Cannot be determined

Tumor site: (select all that apply)
- Upper outer quadrant
- Lower outer quadrant
- Upper inner quadrant
- Lower inner quadrant
• Central
• Nipple
• Subareolar
• Other:
• Not specified
• Cannot be determined

**Tumor size:**
• Microinvasion (less than or equal to 0.1 cm)
• Greatest dimension of invasive focus:
• No residual invasive carcinoma
• Cannot be determined

**Histologic type:**
• Ductal
• Lobular
• Tubular
• Mucinous
• Metaplastic
• Papillary
• Micropapillary
• Apocrine
• Secretory

**Histologic grade:** (Modified Bloom-Richardson): 1 2 3
N/A (e.g. medullary carcinoma or treated)

**Biomarker status (if performed on a different specimen, give accession number):**
• ER: Positive, percentage and staining:
  Negative (<1%)
  Pending
  Unknown

• PR: Positive, percentage and staining:
  Negative (<1%)
  Pending
  Unknown

• Her2 IHC: Positive, percentage and staining:
  Negative (<1%)
Pending
Unknown

- HER2 FISH: Positive
  Negative
  Equivocal:

**Extensive Intraductal Component (EIC):**
- Present
- Not identified
- Cannot be determined

**Tumor Extension:**
- Not identified
- Skin involvement
- Nipple involvement
- Chest wall involvement
- Cannot be determined

**Lymphovascular invasion:**
- Present
- Absent
- Not identified
- Cannot be determined

**Microcalcifications (select all that apply):**
- Not identified
- Present in invasive carcinoma
- Present in DCIS
- Present in benign ducts and/or lobules
- Cannot be determined

**Treatment effect:**
- No definite response to presurgical therapy in invasive carcinoma
- Probable response to presurgical therapy in the invasive carcinoma
- No residual invasive carcinoma present in the breast after presurgical therapy
- No known presurgical therapy
- Cannot be determined

**Surgical margins:**
Negative for invasive carcinoma; closest margin and distance:
Positive for invasive carcinoma; margin and linear extent:
Margin involvement for invasive carcinoma cannot be determined
Negative for DCIS (equal to or larger than 0.2 cm)
Positive for DCIS; specific margin and linear extent:
Margin involvement for DCIS cannot be determined

**Sentinel lymph node status:**
- # positive lymph nodes / #total sentinel lymph nodes: ____/____
- Size of largest metastatic focus in sentinel lymph node: ___ cm
- Extranodal extension (select all that apply):
  - Grossly positive
  - Grossly negative
  - Microscopically positive
  - Microscopically negative

**Total lymph nodes status:**
- # positive lymph nodes/total lymph nodes: ____/____
- Size of largest metastatic focus in lymph node: ___ cm
- Highest axillary node positive: Yes  No  N/A
- Extranodal extension (in any node):
  - Grossly positive
  - Grossly negative
  - Microscopically positive
  - Microscopically negative

**Pathologic staging (AJCC 8th edition):**

**Tumor (T)**
- TX Primary tumor cannot be assessed
- T0 No evidence of primary tumor
- Tis Carcinoma in situ; intraductal carcinoma, lobular carcinoma in situ, or Paget’s disease of the nipple with no tumor
- T1 Tumor 2 cm or less in greatest dimension
  - T1mi Microinvasion 0.1 cm or less in greatest dimension
  - T1a More than 0.1 but not more than 0.5 cm in greatest dimension
  - T1b More than 0.5 cm but not more than 1 cm in greatest dimension
  - T1c More than 1 cm but not more than 2 cm in greatest dimension
- T2 Tumor more than 2 cm but not more than 5 cm in greatest dimension
- T3 Tumor more than 5 cm in greatest dimension
- T4 Tumor of any size with direct extension to chest wall or skin
  - T4a Extension to chest wall
  - T4b Edema (including peau d’orange) or ulceration of the skin of breast or satellite skin nodules confined to same breast
  - T4c Both T4a and T4b
  - T4d Inflammatory carcinoma
**Lymph Node (pN)** follow pN classification with (sn) if stage is based on sentinel lymph node only

- **pN0**  
  - pN0(-) No regional lymph nodal metastasis histologically, negative IHC  
  - pN0(+) No regional lymph nodal metastasis histologically, positive IHC, no cluster > 0.2 mm  
  - pN0(mol-) No regional lymph nodal metastasis histologically, negative molecular findings (RT-PCR)  
  - pN0(mol+) No regional lymph nodal metastasis histologically, positive molecular findings (RT-PCR)

- **pN1** Metastasis to movable ipsilateral axillary lymph nodes(s)  
  - pN1mi Micrometastasis (>0.2 mm, none > 0.2 cm)  
  - pN1a Metastasis in 1-3 axillary lymph nodes  
  - pN1b Metastasis to internal mammary LN, with microscopic SLN disease, not clinically apparent + nodes  
  - pN1c Metastasis in 1-3 axillary LN, and to internal mammary LN, with microscopic SLN disease, no clinically apparent + nodes  
  - **pN2** Metastasis to 4-9 axillary LN or clinically apparent metastasis to internal mammary LN, in the absence of axillary LN metastasis  
    - pN2a Metastasis in 4-9 axillary LN with at least 1 deposit > 0.2 cm  
    - pN2b Metastasis to clinically apparent internal mammary LN, in the absence of axillary LN metastasis

- **pN3** Metastasis to 10 more or ax LN, OR infraclavicular LN OR clin. Apparent ipsilaneal internal mammary LN WITH at least 1+ ax LN, OR metastasis to >3 ax LN with clinically negative micromets in internal mammary LN OR metastasis to ipsilateral supraclavicular LN  
  - pN3a Metastasis to >10 axillary LN (at least 1 deposit >0.2 cm) OR metastasis to infraclavicular LN  
  - pN3b Metastasis to clinically apparent ipsilateral internal mammary LN in the presence of 1 or more +ax LN OR metastasis in >3 ax LN and in internal mammary LN and by microscopic SLN dissection but clinically negative  
  - pN3c Metastasis in ipsilateral supraclavicular LN

**Distant Metastasis (M)**

- **M0** No distant metastasis
- **M1** Distant metastasis (includes metastasis to ipsilateral supraclavicular lymph nodes(s)