**Supplemental Digital Content 2:** ICD-9, ICD-10, and CPT Inclusion Codes for Mastectomy Cohort

|  |  |  |
| --- | --- | --- |
| **Code Type** | **Number** | **Full description\*** |
| ICD-9 | 174 | Malignant neoplasm of nipple and areola of female breast |
| ICD-9 | 174.1 | Malignant neoplasm of central portion of female breast |
| ICD-9 | 174.2 | Malignant neoplasm of upper-inner quadrant of female breast |
| ICD-9 | 174.3 | Malignant neoplasm of lower-inner quadrant of female breast |
| ICD-9 | 174.4 | Malignant neoplasm of upper-outer quadrant of female breast |
| ICD-9 | 174.5 | Malignant neoplasm of lower-outer quadrant of female breast |
| ICD-9 | 174.6 | Malignant neoplasm of axillary tail of female breast |
| ICD-9 | 174.8 | Malignant neoplasm of other specified sites of female breast |
| ICD-9 | 174.9 | Malignant neoplasm of breast (female) unspecified site |
| ICD-9 | 233 | Carcinoma in situ of breast |
| ICD-10 | C50019 | Malignant neoplasm of nipple and areola, unspecified female breast |
| ICD-10 | C50119 | Malignant neoplasm of central portion of unspecified female breast |
| ICD-10 | C50219 | Malignant neoplasm of upper-inner quadrant of unspecified female breast |
| ICD-10 | C50319 | Malignant neoplasm of lower-inner quadrant of unspecified female breast |
| ICD-10 | C50419 | Malignant neoplasm of upper-outer quadrant of unspecified female breast |
| ICD-10 | C50519 | Malignant neoplasm of lower-outer quadrant of unspecified female breast |
| ICD-10 | C50619 | Malignant neoplasm of axillary tail of unspecified female breast |
| ICD-10 | C50819 | Malignant neoplasm of overlapping sites of unspecified female breast |
| ICD-10 | C50919 | Malignant neoplasm of unspecified site of unspecified female breast |
| ICD-10 | D0590 | Unspecified type of carcinoma in situ of unspecified breast |
| PR9 | 85.33 | Unilateral subcutaneous mammectomy with synchronous implant |
| PR9 | 85.34 | Other unilateral subcutaneous mammectomy |
| PR9 | 85.35 | Bilateral subcutaneous mammectomy with synchronous implant |
| PR9 | 85.36 | Other bilateral subcutaneous mammectomy |
| PR9 | 85.41 | Unilateral simple mastectomy |
| PR9 | 85.42 | Bilateral simple mastectomy |
| PR9 | 85.43 | Unilateral extended simple mastectomy |
| PR9 | 85.44 | Bilateral extended simple mastectomy |
| PR9 | 85.45 | Unilateral radical mastectomy |
| PR9 | 85.46 | Bilateral radical mastectomy |
| PR9 | 85.47 | Unilateral extended radical mastectomy |
| PR9 | 85.48 | Bilateral extended radical mastectomy |
| PR10 | 0HTV0ZZ | Resection of Bilateral Breast, Open Approach |
| PR10 | 0H0T0JZ | Alteration of Right Breast with Synthetic Substitute, Open Approach |
| PR10 | 0H0T3JZ | Alteration of Right Breast with Synthetic Substitute, Percutaneous Approach |
| PR10 | 0H0U0JZ | Alteration of Left Breast with Synthetic Substitute, Open Approach |
| PR10 | 0H0U3JZ | Alteration of Left Breast with Synthetic Substitute, Percutaneous Approach |
| PR10 | 0HRT0JZ | Replacement of Right Breast with Synthetic Substitute, Open Approach |
| PR10 | 0HRT3JZ | Replacement of Right Breast with Synthetic Substitute, Percutaneous Approach |
| PR10 | 0HRU0JZ | Replacement of Left Breast with Synthetic Substitute, Open Approach |
| PR10 | 0HRU3JZ | Replacement of Left Breast with Synthetic Substitute, Percutaneous Approach |
| PR10 | 0HRV0JZ | Replacement of Bilateral Breast with Synthetic Substitute, Open Approach |
| PR10 | 0HRV3JZ | Replacement of Bilateral Breast with Synthetic Substitute, Percutaneous Approach |
| PR10 | 0HBT0ZZ | Excision of Right Breast, Open Approach |
| PR10 | 0HBT3ZZ | Excision of Right Breast, Percutaneous Approach |
| PR10 | 0HBU0ZZ | Excision of Left Breast, Open Approach |
| PR10 | 0HBU3ZZ | Excision of Left Breast, Percutaneous Approach |
| PR10 | 0H0V0JZ | Alteration of Bilateral Breast with Synthetic Substitute, Open Approach |
| PR10 | 0H0V3JZ | Alteration of Bilateral Breast with Synthetic Substitute, Percutaneous Approach |
| PR10 | 0HTT0ZZ | Resection of Right Breast, Open Approach |
| PR10 | 0HTU0ZZ | Resection of Left Breast, Open Approach |
| PR10 | 07T50ZZ | Resection of Right Axillary Lymphatic, Open Approach |
| PR10 | 07T60ZZ | Resection of Left Axillary Lymphatic, Open Approach |
| PR10 | 0HTV0ZZ | Resection of Bilateral Breast, Open Approach |
| PR10 | 0KTH0ZZ | Resection of Right Thorax Muscle, Open Approach |
| PR10 | 0KTJ0ZZ | Resection of Left Thorax Muscle, Open Approach |
| PR10 | 07T70ZZ | Resection of Thorax Lymphatic, Open Approach |
| PR10 | 07T80ZZ | Resection of Right Internal Mammary Lymphatic, Open Approach |
| PR10 | 07T90ZZ | Resection of Left Internal Mammary Lymphatic, Open Approach |
| CPT | 19180 | Mastectomy, simple, complete |
| CPT | 19182 | Mastectomy, subcutaneous |
| CPT | 19200 | Mastectomy, radical, including pectoral muscles, axillary lymph nodes |
| CPT | 19220 | Mastectomy, radical, including pectoral muscles, axillary, and internal mammary lymph nodes |
| CPT | 19240 | Mastectomy, modified radical, including axillary lymph nodes, with or without pectoralis minor muscle, but excluding pectoralis major muscle |
| CPT | 19303 | Mastectomy, simple, complete |
| CPT | 19304 | Mastectomy, subcutaneous |
| CPT | 19305 | Mastectomy, radical, including pectoral muscles, axillary lymph nodes |
| CPT | 19306 | Mastectomy, radical, including pectoral muscles, axillary and internal mammary lymph nodes (Urban type operation) |
| CPT | 19307 | Mastectomy, radical, including pectoral muscles, axillary and internal mammary lymph nodes (Urban type operation) |

ICD-9 and ICD-10 codes indicate breast cancer diagnosis.

CPT and PR codes denote mastectomy procedures.