

**Table, Supplemental digital content 2. ICD-9, CPT and Procedure mastectomy codes.**

| <b>Nationwide Inpatient Sample (NIS) database inclusion criteria</b> |                                                                                                                                               |
|----------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| <b>ICD-9 code</b>                                                    | <b>Description Mastectomy</b>                                                                                                                 |
| 85.40                                                                | Mastectomy                                                                                                                                    |
| 85.34                                                                | Other unilateral subcutaneous mammectomy                                                                                                      |
| 85.41                                                                | Unilateral simple mastectomy                                                                                                                  |
| 85.43                                                                | Unilateral extended simple mastectomy                                                                                                         |
| 85.45                                                                | Unilateral radical mastectomy                                                                                                                 |
| 85.47                                                                | Unilateral extended radical mastectomy                                                                                                        |
| 85.33                                                                | Unilateral subcutaneous mammectomy with synchronous implant                                                                                   |
| 85.36                                                                | Other bilateral subcutaneous mammectomy                                                                                                       |
| 85.42                                                                | Bilateral simple mastectomy                                                                                                                   |
| 85.44                                                                | Bilateral extended simple mastectomy                                                                                                          |
| 85.46                                                                | Bilateral radical mastectomy                                                                                                                  |
| 85.48                                                                | Bilateral extended radical mastectomy                                                                                                         |
| 85.35                                                                | Bilateral subcutaneous mammectomy with synchronous implant                                                                                    |
| <b>National Surgical Quality Improvement Project (NSQIP)</b>         |                                                                                                                                               |
| <b>CPT code</b>                                                      | <b>Description</b>                                                                                                                            |
| 19303                                                                | Mastectomy, simple, complete                                                                                                                  |
| 19304                                                                | Mastectomy, subcutaneous                                                                                                                      |
| 19305                                                                | Mastectomy, radical, including pectoral muscles, axillary lymph nodes                                                                         |
| 19306                                                                | Mastectomy, radical, including pectoral muscles, axillary and internal mammary lymph nodes (urban type operation)                             |
| 19307                                                                | Mastectomy, modified radical, including axillary lymph nodes, with or without pectoralis minor muscle, but excluding pectoralis major muscle. |
| 19180                                                                | Simple complete mastectomy                                                                                                                    |
| 19182                                                                | Subcutaneous mastectomy                                                                                                                       |
| 19200                                                                | Radical mastectomy                                                                                                                            |
| 19220                                                                | Urban type mastectomy                                                                                                                         |
| 19240                                                                | Modified radical mastectomy                                                                                                                   |
| <b>The Surveillance, Epidemiology and End Result (SEER)</b>          |                                                                                                                                               |
| <b>Procedure coding</b>                                              | <b>Description</b>                                                                                                                            |
| 40                                                                   | Simple mastectomy, NOS                                                                                                                        |
| 41                                                                   | Simple mastectomy, NOS, Unilateral                                                                                                            |
| 43                                                                   | Simple mastectomy, NOS, Unilateral, reconstruction NOS                                                                                        |
| 44                                                                   | Simple mastectomy, NOS, Unilateral, tissue reconstruction                                                                                     |
| 45                                                                   | Simple mastectomy, NOS, Unilateral, implant reconstruction                                                                                    |
| 46                                                                   | Simple mastectomy, NOS, Unilateral, combined reconstruction                                                                                   |
| 42                                                                   | Simple mastectomy, NOS, Bilateral                                                                                                             |
| 47                                                                   | Simple mastectomy, NOS, Bilateral, reconstruction NOS                                                                                         |

|    |                                                                                                          |
|----|----------------------------------------------------------------------------------------------------------|
| 48 | Simple mastectomy, NOS, Bilateral, tissue reconstruction                                                 |
| 49 | Simple mastectomy, NOS, Bilateral, implant reconstruction                                                |
| 75 | Simple mastectomy, NOS, Bilateral, combined reconstruction                                               |
| 40 | Simple mastectomy, NOS                                                                                   |
| 41 | Simple mastectomy, NOS, Unilateral                                                                       |
| 43 | Simple mastectomy, NOS, Unilateral, reconstruction NOS                                                   |
| 44 | Simple mastectomy, NOS, Unilateral, tissue reconstruction                                                |
| 45 | Simple mastectomy, NOS, Unilateral, implant reconstruction                                               |
| 46 | Simple mastectomy, NOS, Unilateral, combined reconstruction                                              |
| 50 | Modified radical mastectomy                                                                              |
| 51 | Modified radical mastectomy, Unilateral                                                                  |
| 53 | Modified radical mastectomy, Unilateral, reconstruction NOS                                              |
| 54 | Modified radical mastectomy, Unilateral, tissue reconstruction                                           |
| 55 | Modified radical mastectomy, Unilateral, implant reconstruction                                          |
| 56 | Modified radical mastectomy, Unilateral, combined reconstruction                                         |
| 52 | Modified radical mastectomy, Bilateral                                                                   |
| 57 | Modified radical mastectomy, Bilateral, reconstruction NOS                                               |
| 58 | Modified radical mastectomy, Bilateral, tissue reconstruction                                            |
| 59 | Modified radical mastectomy, Bilateral, implant reconstruction                                           |
| 63 | Modified radical mastectomy, Bilateral, combined reconstruction                                          |
| 60 | Radical mastectomy, NOS                                                                                  |
| 61 | Radical mastectomy, Unilateral                                                                           |
| 64 | Radical mastectomy, Unilateral, reconstruction NOS                                                       |
| 65 | Radical mastectomy, Unilateral, tissue reconstruction                                                    |
| 66 | Radical mastectomy, Unilateral, implant reconstruction                                                   |
| 67 | Radical mastectomy, Unilateral, combined reconstruction                                                  |
| 62 | Radical mastectomy, Bilateral                                                                            |
| 68 | Radical mastectomy, Bilateral, reconstruction NOS                                                        |
| 69 | Radical mastectomy, Bilateral, tissue reconstruction                                                     |
| 73 | Radical mastectomy, Bilateral, implant reconstruction                                                    |
| 74 | Radical mastectomy, Bilateral, combined reconstruction                                                   |
| 30 | Subcutaneous mastectomy                                                                                  |
| 76 | Bilateral mastectomy for a single tumor involving both breasts, as for bilateral inflammatory carcinoma. |

---