

Appendix 1. ICD-9-CM and CPT procedure codes used to identify surgeries of interest

Breast Surgeries

Category 1: Limited procedures (reduction mammoplasty, mastopexy without implant, and mastectomy without axillary dissection or reconstruction)

ICD-9-CM procedure codes

85.23 Subtotal mastectomy

85.31 Unilateral reduction mammoplasty

85.32 Bilateral reduction mammoplasty

85.34 Other unilateral subcutaneous mammectomy

85.36 Other bilateral subcutaneous mammectomy

85.4 Mastectomy

85.41 Unilateral simple mastectomy

85.42 Bilateral simple mastectomy

85.45 Unilateral radical mastectomy

85.46 Bilateral radical mastectomy

85.50 Augmentation mammoplasty, not otherwise specified

85.6 Mastopexy

CPT procedure codes

19140 Mastectomy for gynecomastia

19160 Mastectomy, partial

19180 Mastectomy, simple

19182 Mastectomy, subcutaneous

19316 Mastopexy

19318 Reduction mammoplasty

19324 Mammoplasty augmentation, without prosthetic implant

Category 2: Procedures that involve implants

ICD-9-CM procedure codes

85.33 Unilateral subcutaneous mastectomy with synchronous implant

85.35 Bilateral subcutaneous mastectomy with synchronous implant

85.53 Unilateral breast implant

85.54 Bilateral breast implant

CPT procedure codes

19325 Mammoplasty, augmentation, with prosthetic implant

19340 Immediate insertion of breast prosthesis following mastopexy or mastectomy

19342 Delay insertion of breast prosthesis following mastopexy or mastectomy

19370 Open periprosthetic capsulotomy breast

19371 Periprosthetic capsulectomy breast

Category 3: Procedures that involve axillary dissection

ICD-9-CM procedure codes

85.43 Unilateral extended simple mastectomy

85.44 Bilateral extended simple mastectomy

85.47 Unilateral extended radical mastectomy

85.48 Bilateral extended radical mastectomy

CPT procedure codes

19162 Mastectomy partial, with axillary lymphadenectomy

19200 Mastectomy, radical, including pectoral muscles and axillary lymph nodes

19220 Mastectomy, radical, including pectoral muscles, and axillary and internal mammary lymph nodes

19240 Mastectomy, modified radical, including axillary lymph nodes, with or without pectoralis minor muscle, but excluding pectoralis major muscle

Category 4: Involve reconstruction and/or flaps

ICD-9-CM procedure codes

85.7 Total reconstruction of breast

CPT procedure codes

19357 Breast reconstruction, immediate or delayed, with tissue expander, including subsequent expansion

19361 Breast reconstruction with latissimus dorsi flap, with or without prosthetic implant

19364 Breast reconstruction with free flap

19366 Breast reconstruction with other technique

19367 Breast reconstruction with transverse rectus abdominis myocutaneous flap (TRAM), single pedicle, including closure of donor site

19369 Breast reconstruction with transverse rectus abdominis myocutaneous flap (TRAM), double pedicle, including closure of donor site

Cesarean Section

ICD-9-CM procedure codes

74.0 Classical cesarean section

74.1 Low cervical cesarean section

74.2 Extraperitoneal cesarean section

74.4 Cesarean section of other specified type

74.9 Cesarean section of unspecified type

74.99 Other cesarean section of unspecified type