

Supplemental Digital Content Table 1 – Codes used for Cohort creation for mastectomy and for reconstruction

ICD-9 codes for Mastectomy:	Description
85.3	Reduction mammoplasty and subcutaneous mammeectomy (unilateral)
85.33	Unilateral subcutaneous mammeectomy with synchronous implant
85.34	Other unilateral subcutaneous mammeectomy
85.35	Bilateral subcutaneous mammeectomy with synchronous implant
85.36	Other bilateral subcutaneous mammeectomy
85.4	Mastectomy
85.41	Unilateral simple mastectomy
85.42	Bilateral simple mastectomy
85.43	Unilateral extended simple mastectomy
85.44	Bilateral extended simple mastectomy
85.45	Unilateral radical mastectomy
85.46	Bilateral radical mastectomy
85.47	Unilateral extended radical mastectomy
85.48	Bilateral extended radical mastectomy
CPT codes for Mastectomy:	
19180	Mastectomy, simple, complete
19182	Mastectomy, subcutaneous
19200	Mastectomy, radical, including pectoral muscles, axillary lymph nodes
19220	Mastectomy, radical, including pectoral muscles, 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
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
19307	Mastectomy, radical, including pectoral muscles, axillary and internal mammary lymph nodes

ICD-9 codes for reconstruction: Description

Autologous:

85.7	Total reconstruction of breast
85.70	Total reconstruction of breast, not otherwise specified
85.71	Latissimus dorsi myocutaneous flap
85.72	Transverse rectus abdominis myocutaneous (TRAM) flap, pedicled
85.73	Transverse rectus abdominis myocutaneous (TRAM) flap, free
85.74	Deep inferior epigastric artery perforator (DIEP) flap, free
85.75	Superficial inferior epigastric artery (SIEA) flap, free
85.76	Gluteal artery perforator (GAP) flap, free
85.79	Other total reconstruction of breast
85.84	Pedicle graft to breast
85.85	Muscle flap graft to breast

Implant:

85.95	Insertion of breast tissue expander
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85.35	Bilateral subcutaneous mammectomy with synchronous implant
85.33	Unilateral subcutaneous mammectomy with synchronous implant
CPT codes for reconstruction:	
Autologous:	
19361	Breast reconstruction with latissimus dorsi flap, without prosthetic implant
19367	Breast reconstruction with transverse rectus abdominis myocutaneous flap (TRAM), single pedicle, including closure of donor site
19364	Breast reconstruction with free flap
S2068	Breast reconstruction with deep inferior epigastric perforator (DIEP) flap or superficial inferior epigastric artery (SIEA) flap, including harvesting of the flap, microvascular transfer, closure of donor site and shaping the flap into a breast, unilateral
Implant:	
19357	Breast reconstruction, immediate or delayed, with tissue expander, including subsequent expansion
19340	Immediate insertion of breast prosthesis following mastopexy, mastectomy or in reconstruction
19342	Delayed insertion of breast prosthesis following mastopexy, mastectomy or in reconstruction
11970	Replacement of tissue expander with permanent prosthesis
15777	Implantation of biologic implant (eg, acellular dermal matrix) for soft tissue reinforcement (ie, breast, trunk) (List separately in addition to code for primary procedure)