

Appendix 1: Supplementary material [posted as supplied by author]

Breast cancer diagnoses and procedure codes

Description of condition	ICD-9 diagnosis or procedure code	CPT code
Breast cancer (overall)	174.x	G9131 (Invasive)
Breast cancer by stage:		
• 0	233.0	
• I	174.0-174.9	G9071,G9072
• II	Stages 0 - I AND 196.3	G9071,G9072
• III	Stages 0 - II AND 196.0, 198.2	
• IV	Stages 0 - III AND 196.1, 196.2, 196.5, 196.6, 196.8, 196.9, 197.0-197.8,198.0,198.1,198.3-198.7,198.81,198.82	
Breast cancer by site (location):		
• Nipple and areola	174.0	
• Central portion of female breast	174.1	
• Upper-inner quadrant of female breast	174.2	
• Lower-inner quadrant of female breast	174.3	
• Upper-outer quadrant of female breast	174.4	
• Lower-outer quadrant of female breast	174.5	
• Axillary tail of female breast	174.6	
• Other specified sites of female breast	174.8	
• Malignant neoplasm of breast (female) unspecified	174.9	
Secondary Sites		
• Secondary and unspecified malignant neoplasm of lymph nodes of head face and neck	196.0	
• Secondary and unspecified malignant neoplasm of intrathoracic lymph nodes	196.1	
• Secondary and unspecified malignant neoplasm of intra-abdominal lymph nodes	196.2	
• Secondary and unspecified malignant neoplasm of lymph nodes of inguinal region and lower limb	196.5	
• Secondary and unspecified malignant neoplasm of intrapelvic lymph nodes	196.6	
• Secondary and unspecified malignant neoplasm of lymph nodes of multiple sites	196.8	
• Secondary and unspecified malignant neoplasm of lymph nodes site unspecified	196.9	
• Secondary malignant neoplasm of lung	197.0	
• Secondary malignant neoplasm of mediastinum	197.1	
• Secondary malignant neoplasm of pleura	197.2	
• Secondary malignant neoplasm of other respiratory organs	197.3	

Description of condition	ICD-9 diagnosis or procedure code	CPT code
<ul style="list-style-type: none"> Secondary malignant neoplasm of small intestine including duodenum 	197.4	
<ul style="list-style-type: none"> Secondary malignant neoplasm of large intestine and rectum 	197.5	
<ul style="list-style-type: none"> Secondary malignant neoplasm of retroperitoneum and peritoneum 	197.6	
<ul style="list-style-type: none"> Malignant neoplasm of liver secondary 	197.7	
<ul style="list-style-type: none"> Secondary malignant neoplasm of other digestive organs and spleen 	197.8	
<ul style="list-style-type: none"> Secondary malignant neoplasm of kidney 	198.0	
<ul style="list-style-type: none"> Secondary malignant neoplasm of other urinary organs 	198.1	
<ul style="list-style-type: none"> Secondary malignant Neoplasm of Skin 	198.2	
<ul style="list-style-type: none"> Secondary malignant neoplasm of brain and spinal cord 	198.3	
<ul style="list-style-type: none"> Secondary malignant neoplasm of other parts of nervous system 	198.4	
<ul style="list-style-type: none"> Secondary malignant neoplasm of bone and bone marrow 	198.5	
<ul style="list-style-type: none"> Secondary malignant neoplasm of ovary 	198.6	
<ul style="list-style-type: none"> Secondary malignant neoplasm of adrenal gland 	198.7	
<ul style="list-style-type: none"> Secondary malignant neoplasm of breast 	198.81	
<ul style="list-style-type: none"> Secondary malignant neoplasm of genital organs 	198.82	
Breast cancer treatment		
<ul style="list-style-type: none"> Surgery 		<u>Mastectomy</u> New: 19301-19307 Old: 19140, 19160, 19162, 19180, 19182, 19200, 19220, 19240
<ul style="list-style-type: none"> Radiation 		77280,77285,77290, 19296-19298
<ul style="list-style-type: none"> Chemotherapy 		90780-90781,96401,96405,96413, 96420,96449,96445,96450,96542
Breast cancer screening and other		
<ul style="list-style-type: none"> Mammography 	V76.11, V76.12	77057, G0204, G0202

Appendix B: CYP2D6 enzyme inhibitors and inducers

Drug class	Drug name
Drugs that induce the CYP2D6 enzyme	<ul style="list-style-type: none">• Dexamethasone• Rifampin• Amiodarone• Bupropion• Cimetidine• Clozapine• Desipramine• Duloxetine• Fluoxetine
Drugs that inhibit the CYP2D6 enzyme	<ul style="list-style-type: none">• Haloperidol• Lidocaine• Methadone• Paroxetine• Pimozide• Quinidine• Ritonavir• Sertraline• Ticlopidine