

Supplementary Online Content

Black DM, Jiang J, Kuerer HM, Buchholz TA, Smith BD. Racial disparities in adoption of axillary sentinel lymph node biopsy and lymphedema risk in women with breast cancer. *JAMA Surg*. Published online June 18, 2014. doi:10.1001/jamasurg.2014.23.

eTable 1. Cohort selection criteria

eTable 2. Claims codes used to define type of axillary surgery, lymphedema, and other covariates

This supplementary material has been provided by the authors to give readers additional information about their work.

eTable 1. Cohort selection criteria

Step	Criteria	# of observations	# excluded
	All breast cancers in women age 66 and older reported in SEER-Medicare data from 2002-2007	117,584	
1	Part A&B coverage from 12 months prior to diagnosis to 12 months after diagnosis or until death if patient died within 12 months of diagnosis	109,624	7,960
2	No HMO coverage from 12 months prior to diagnosis to 12 months after diagnosis or until death if patient within 12 months of diagnosis	79,472	30,152
3	Treated with lumpectomy or mastectomy	73,029	6,443
4	Exclude if prior cancer	70,751	2,278
6	Exclude if histology not consistent with epithelial breast cancer	69,583	1,168
7	Exclude if in situ disease only	58,491	11,092
8	Exclude if distant metastasis at diagnosis	56,395	2,096
10	Exclude if second cancer diagnosed within one year of first cancer	53,084	3,311
11	Exclude if death within one year of diagnosis	51,226	1,858
12	Exclude if radiation given prior to surgery	51,063	163
13	Include only patients who are pathologic N0	32,082	18,981
14	Exclude if type of axillary surgery cannot be determined	31,274	808

Abbreviations: HMO (Health Maintenance Organization), N0 (node negative)

eTable 2. Claims codes used to define type of axillary surgery, lymphedema, and other covariates

Description	ICD-9 Diagnosis Code	ICD-9 Procedure Code	CPT Code	Revenue Center Code
Sentinel lymph node mapping			38792, 38999	
Axillary lymph node dissection		40.3, 40.51, 85.43, 85.45, 85.47	38740, 38745	
Lymphedema	457, 457.1, 457.2, 997.99			
Mastectomy		85.4, 85.41- 85.48	19180, 19182, 19200, 19220, 19240, 19303, 19304, 19305, 19306, 19307	
Lumpectomy		85.2, 85.20- 85.25	19110, 19120, 19125, 19126, 19160, 19162, 19301, 19302	
Radiation therapy		92.27	77401-77416, 77418, 77422, 77423, 77522- 77525, G0174, 77761- 77799, 0182T	
Obesity, constitutional	278.8, 278.01			

Abbreviations: CPT (Common Procedural Terminology), ICD (International Classification of Diseases)