

Breast tissue specimens available at Vermont and New Hampshire Breast Cancer Surveillance Consortium (BCSC) registries for women aged ≥ 40 years who received a breast biopsy between January 1, 2000 - December 31, 2008.
N=19,498 from 13,677 distinct women.

Cases randomly selected for preliminary review and available from clinical facility
N=425

Case not included in study after preliminary review, N=55

- Cases randomly removed because diagnostic, age or density category full, n=25
- Not enough tissue present to interpret slide, n=24
- Tissue other than breast present, n=5
- Tissue block not available from clinical facility, n=1

Cases reviewed by expert pathology panel using new study-specific slides
N= 370

Cases removed, N=34

- Case removed due to artifact on slide, n=16
- Cases randomly removed because diagnostic, age and density category full, n=15
- Male breast tissue present, n=1
- Atypical lactation changes present, n=1
- Ineligible due to age <40 years at time of biopsy, n=1

Cases available for possible inclusion in final test set
N= 336

**Cases randomly selected for final test set
N=240**

Test Set A
N=60

Test Set B
N=60

Test Set C
N=60

Test Set D
N=60