

The aim of this study was to investigate the impact of breast surgery on the survival of stage IV breast cancer patients using information from the Surveillance, Epidemiology, and End Results (SEER) database from 2010 to 2015.

METHODS

13,034 patients were enrolled in this study.

4,538 patients were assigned to the matched surgery group and the non-surgery group.



SURGERY GROUP 2,269 patients



NON-SURGERY GROUP 2,269 patients

RESULTS

Patients that received breast surgery were more likely to be younger and have smaller tumors, more advanced nodal status, higher histology grade and a higher proportion of bone-only metastasis. Those who received chemotherapy and radiotherapy also tended to receive surgery.

After adjustment for potential confounders, the breast surgery group exhibited a better survival rate both in breast cancer survival and overall survival.

SURVIVAL RATES



age, race, tumor size, nodal status, histology grade, molecular subtype, chemotherapy status, radiotherapy status or status of distant metastasis.

This survival advantage persisted in all subgroups irrespective of



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