

Abstract Submitted  
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**Does Mammographic Density Distribution Correlate with Location of Breast Cancer Tumors?**<sup>1</sup> CLARE YU, JAMES MITCHELL, University of California, Irvine — The risk of breast cancer is higher in women with denser, stiffer breasts. In mammograms, one measure of breast density is mammographic density. Mammograms involve x-rays, and radiodense material is characterized by white areas on a mammogram. The more white areas there are, the higher the mammographic density and the higher the risk of breast cancer. It is also known that most breast tumors occur in the upper half of the breast. Actually, about half of breast tumors occur in the upper outer quadrant of the breast near the armpit. We have analyzed mammograms and find that the mammographic density (white stuff) is higher in the upper half of the breast where there is more tissue.

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