

# High detection rates of high-grade DCIS persist

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(HealthDay)—High detection rates of high-grade ductal carcinoma in

situ (DCIS) persist in consecutive subsequent screening rounds versus the prevalence round, while there are decreases in detection rates of low- and intermediate-grade DCIS, according to a study published in the February issue of *Radiology*.

Stefanie Weigel, M.D., Ph.D., from the University of Muenster in Germany, and colleagues compared grade-specific detection rates between the prevalence round (baseline screening) and two subsequent screening rounds of a population-based digital mammography screening program. There was a 22- to 30-month interval between all screening rounds.

The researchers found that cancer detection rates were lowest for low-grade DCIS over all screening rounds (range 0.11 to 0.25 per 1,000 women screened) and were highest for high-grade DCIS (range, 0.53 to 0.59 per 1,000 women screened). For low-grade DCIS, detection rates were significantly lower in the first and second screening rounds versus the prevalence round (odds ratios, 0.45 and 0.57, respectively; both *P* screening (odds ratios, 0.89 [*P* = 0.143] and 0.97 [*P* = 0.7], respectively).

"Grade-related changes of DCIS detection are suggestive of distinct dynamics of lesion progression," the authors write.

**More information:** [Abstract/Full Text \(subscription or payment may be required\)](#)

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