

## Breast Screening Outcomes

The **Swedish Breast Centers** are proud to provide mammography services to women across Western Washington. Through our network of 10 fixed locations and our robust mobile mammography program, The Swedish Breast Care Network performs about 50,000 screening exams annually. These exams are performed utilizing both 2D (full-field digital mammography) and 3D (digital breast tomosynthesis) technology. All sites are designated by the American College of Radiology as Breast Imaging Centers of Excellence and are staffed with specially trained, dedicated breast imaging radiologists and technologists.



**Mammography** continues to be the single most effective screening test to reduce cancer mortality. The goal of screening is early detection. When caught early, breast cancer is at its most treatable stage. According to the 2015 National Cancer Institute Surveillance, Epidemiology, and End Results (SEER) data, since mammography became widespread in the 1980's, the US breast cancer death rate in women, unchanged for the previous 50 years, has dropped 43%.

The Swedish Breast Care Network follows the American College of Radiology guidelines for screening mammography, recommending annual screening beginning at age 40 for women of average risk. However, as controversy continues to surround screening mammography guidelines, we strongly encourage shared decision making between patients and their healthcare providers regarding when to start screening and the frequency of exams.

As mandated by the federal Mammography Quality Standards Act, data is collected annually on each mammogram performed and utilized to calculate statistics to help measure quality. The analysis of this outcome data allows our radiologists to assess their overall performance in breast imaging interpretation and make improvements where indicated. The following details the review of one such data element.



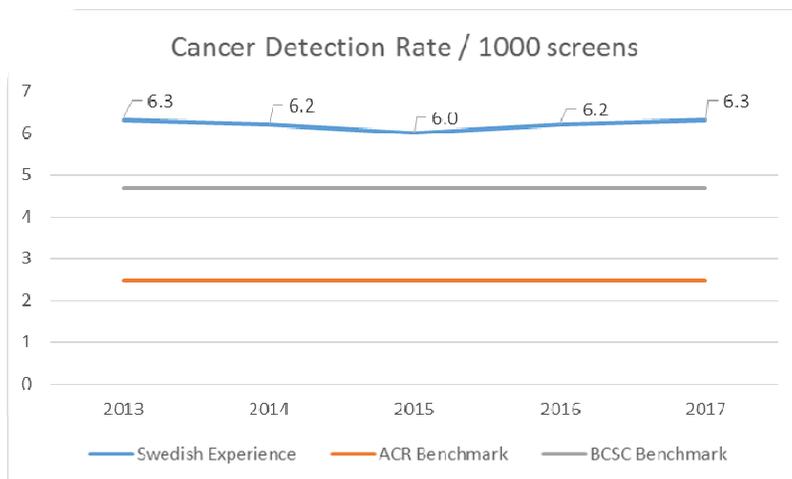
A key statistic in the standard outcomes analysis for screening is the Cancer Detection Rate (CDR), calculated as the number of cancers detected per 1000 screenings performed.

Screening volumes and associated Cancer Detection Rates are obtained using the MQSA data within the EPIC EMR. 5 years of data (2013-2017) are presented and results were aggregated for the entire network.

	2013	2014	2015	2016	2017
Screening Volume	49,942	51,121	51,971	51,661	52,693
Cancer Detected	313	316	311	318	327
<b>Cancer Detection Rate for every 1000 breast screening</b>					
	2013	2014	2015	2016	2017
<b>Swedish Experience</b>	<b>6.3</b>	<b>6.2</b>	<b>6.0</b>	<b>6.2</b>	<b>6.3</b>
ACR Benchmark	2.5	2.5	2.5	2.5	2.5
BCSC Benchmark	4.7	4.7	4.7	4.7	4.7

Two nationally established benchmarks for CDR were identified for comparison:

1. Benchmarks reported by the Breast Cancer Surveillance Consortium (BCSC), derived from very large numbers of examinations across the United States
2. Recommendations derived by a panel of expert breast imaging interpreting physicians (ACR), based on critical analysis of scientific data published in peer-reviewed literature (including BCSC data), as well as personal experience.



The data evaluated shows the performance of the Swedish Breast Care Network to consistently surpass the established CDR benchmarks over a 5 year period. Continual evaluation of our performance against nationally established benchmarks is just one component of our commitment to the quality of care provided to our patients.

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