Breast Cancer Services in Sweden

Karin Leifland MD, Ph D
Head of Mammography
Medical Director Radiology
Unilabs
Sweden
UNILABS
Mammography Sweden
Uppsala
Stockholm
(Capio S:t Göran + Tumba)
Göteborg
(5 units + Mobile Unit)
Södra Älvsborg
(Borås + Mobile Unit)
Skaraborg
(Skövde+Lidköping + Mobile Unit)
Skåne
(Helsingborg + Landskrona
Lund + Eslöv
Malmö + Trelleborg
Kristianstad´+ Hässleholm + Ystad)
Blekinge
(Karlskrona + Karlshamn)
(26 units)
Mammography Unilabs Sweden
Screening 40 – 74 years

Women invited to screening
440 000 women / year
→ Participate ~350 000 women/year

+ screening E-county and Halland
~65 000 women/year

(All of Sweden screen
~700 000 women/year)

Clinical examinations
~ 85 000 / year
ACCREDITATION:

• Unilabs and 
• Lunds University Hospital Radiology department are the only two Radiology operators that are accredited (by Swedac) in Sweden

Unilabs has among others accreditation for
Screening mammography 
Clinical mammography 
Ultrasound 
Galactography 
Stereotactic needle biopsy 
Ultrasound needle biopsy 
Pre-operative indication 
X-ray of specimens 
MRI Breast 

Nowhere accreditation for the breast cancer care process!

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Organisation in Sweden

THE SWEDISH BOARD OF HEALTH AND WELFARE RECOMMEND:
• Screening age group 40 – 74 years
• Double reading
• Screening interval
  40-55 years 18 months interval
  56-74 years 24 months interval

THE COUNTIES DECIDE:
CURRENT STATUS SCREENING:
• All of Sweden invite 40-74
  40-55 years 18 months interval
  56-74 years 24 months interval
  40-49 years 18 months interval
  50-74 years 24 months interval
  40-74 years 21 months interval
  40-74 years 24 months interval
• One county invites women with dense breast with 18 months interval
  and women with fatty breasts with 24 months interval

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Current status screening:
Screening: All regions in Sweden
! Age: 40 -74 years
! Screening interval: 18/21/24 months
No. of screening exams: ~ 700 000 /years
! Double reading
! Time to respond: Max two weeks
Recall: ~ 2.0 – 3.5 %
Clinical examinations: ~ 1 %
Cancer: ~ 0.5 %
Surgery: ~ 95 % cancer

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Deficiencies Mammography:

Local organisations
No national standardized process

Few regional quality register
No national quality register

Few regional follow ups (tenders)
No national follow ups

Different IT solutions
Some not yet digital

Lack of mammography doctors and radiographers

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“The impact of organized mammography service screening on breast cancer mortality in fourteen Swedish counties”

_Cancer Epidemiol Biomarkers Prev_ 2006;15 (1)
Breast cancer care

- The Ministry of Health and Social Affairs
- Swedish National Board of Health and Welfare
- The Swedish Association of Local Authorities and Regions (SKL)
- Six Regional Cancer Centers (RCC)

Regional cancer plan is an action plan for cancer care 2013 – 2015. Involves the national and the regional cancer strategy

Goal: Create a seamless process of cancer care and develop the cancer care with the patient in focus to minimize the differences between regions and people.

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The National Workgroup Mammography

Appointed by
The Swedish Association of Local Authorities and Regions (SKL)
Six Regional Cancer Centers (RCC)

Asignment
Start a National Quality Registry
Follow European Guidelines – sometimes higher requirements
National and regional standardization
Standardized breast cancer process

Submitted
the report January 2013
RCC Stockholm/Gotland
The patient’s way through the cancer care organisation
”Walk through process”
The Swedish Cancer Registry
Managed by Swedish Board of Health and Welfare

The Swedish Cancer Registry was founded in 1958 and covers the whole population.

Approximately 50 000 malignant cases of cancer is registered every year in Sweden.

It is compulsory for every health care provider to report newly detected cancer cases to the registry.

Information
1. Data on the patient
   - site of tumour
   - histological type
   - stage
   - basis and date of diagnosis
   - hospital and pathology department

2. Medical data
   - date of death
   - cause of death
   - date of migration

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INCA – Information Network for Cancer Care
Breast cancer registry (surgeons/oncologists)
Managed by the Six Regional Cancer Centers

• National IT platform
• Web based registry
• Register cancer patients concerning care and research
• Homogenous/standardized national data
• Compare local, regional and national data
• Cooperate with National Quality Registry
• Feed back and analysis of the registered data

Starts with the diagnosis of breast cancer
(not with radiological diagnostics)

Future
→ Cooperate with future Mammography National Quality Registry
→ The whole breast cancer care process

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INCA

% of patients in Sweden that had a clear pre-op malignant diagnosis in all cases that were operated for breast cancer in operating hospitals in Sweden 2011
INCA
% of partial mastectomy as a final surgical result among operated women with breast cancer in operating hospitals in Sweden 2011
INCA
% Primary reconstructions among Women operated with mastectomy in operating hospitals in Sweden 2011
INCA
Time from surgery to PAD information to the patient among all women that are operated for breast cancer in the six Regional Cancer Center areas in Sweden 2011

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Conclusions

Diagnostics – No National Quality Registry – yet
Some Regional Quality Registry
Starting to standarize the process
on a regional and national level

Theraphy – INCA, National Quality Registry
Regional Quality Registry
Standardized processes

Follow European Guidelines
(sometimes higher requirements)

Accreditation – Volontary - Only a few

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Don't EVER give up!!