

5a**Proportion of women diagnosed with invasive breast cancer who received radiotherapy after breast conserving surgery****5b****Proportion of women diagnosed with DCIS who received radiotherapy after breast conserving surgery****Reference to:**

- KCE report 150A: BC25
- Selected QCI for Vlaamse Overheid: nr. 5
- EUSOMA-guidelines

Relation to quality:

In women with early breast cancer, adjuvant irradiation is indicated after breast conserving surgery (1A evidence). This recommendation is based on the systematic review of the Early Breast Cancer Trialists Collaborative Group (EBCBCG) and subsequent RCTs, that reported a substantial and significant reduction in local recurrence (mainly in the conserved breast) after adjuvant radiotherapy. After a breast-conserving treatment of DCIS, omitting radiotherapy could be considered when the risk of local recurrence is estimated to be very low and after discussion in the multidisciplinary team meeting (1A evidence).

Type of indicator:

Process

Proposals:

- Make indicator 5a for invasive breast cancer and 5b for DCIS.
- For BCS, consider patients for which surgery with the highest priority is BCS

Limitations concerning measurability:

None

Numerator (green box in flow chart):

- **5a:**

All women diagnosed with invasive breast cancer who received radiotherapy after breast conserving surgery, without further mastectomy.

- **5b:**

All women diagnosed with DCIS who received radiotherapy after breast conserving surgery, without further mastectomy.

Denominator (blue box in flow chart):

- **5a:**

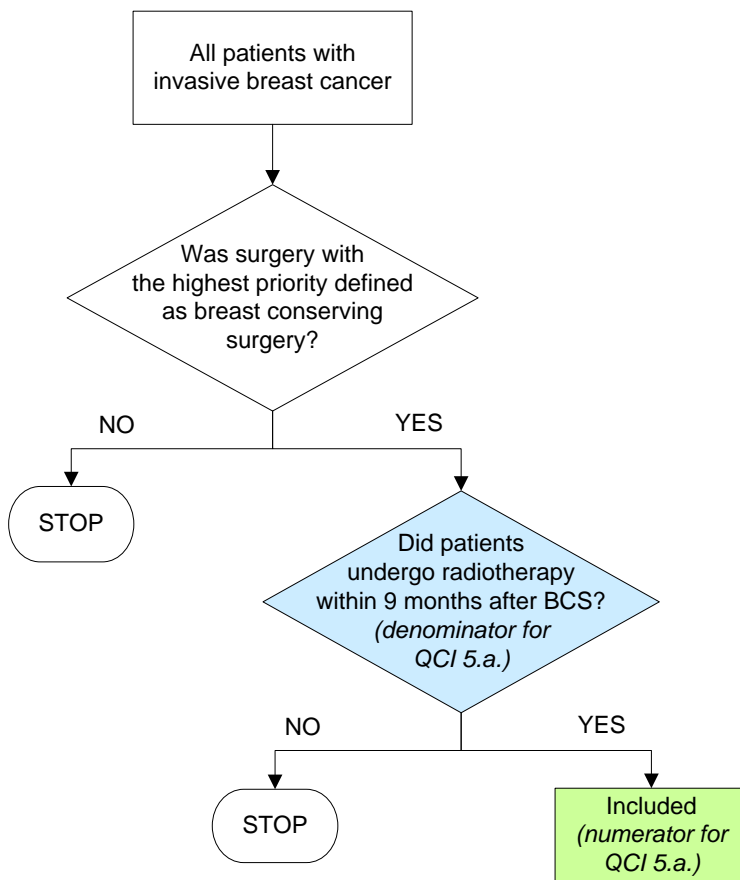
All women diagnosed with invasive breast cancer who underwent breast conserving surgery, without further mastectomy.

- **5b:**

All women diagnosed with DCIS who underwent breast conserving surgery, without further mastectomy.

Flow chart (NEW PROPOSAL):

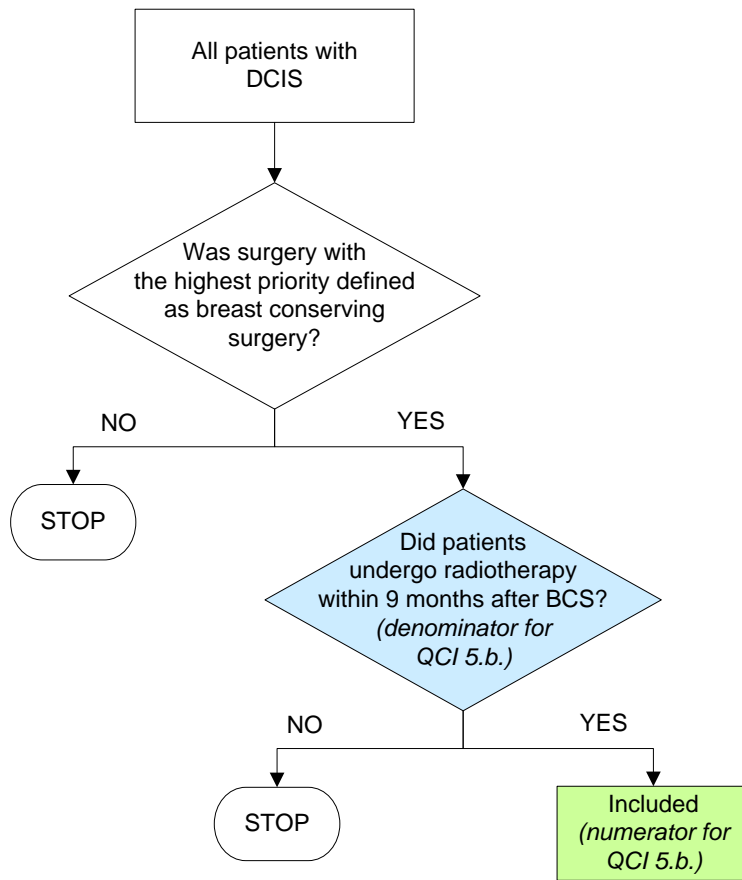
5a) Invasive breast cancer:



Expected range for invasive breast cancer patients:

90-98%

5b) DCIS:



Time frames (convention: 1 month = 30 days):

- BCS: consider surgery with the highest priority
- For radiotherapy: consider time frame of 9 months after BCS

Data bases and variables:

- BCR (ICD-10=C50, D05, incidence date)
- IMA (nomenclature codes for surgery (breast conserving and mastectomy) and radiotherapy)

Nomenclature selection:

- Breast conserving surgery
- Radiotherapy
- ➔ See “Indicatorenfiches na bespreking 25 november 2011”