6 Proportion of cStage I and II breast cancer women who underwent breast conserving surgery

Reference to:
- KCE report 150A: BC18
- Selected QCI for Vlaamse Overheid: nr. 6
- EUSOMA-guidelines

Relation to quality:
Breast-conserving surgery followed by radiotherapy offers the same benefits regarding local tumor control, recurrence free survival and overall survival as modified radical mastectomy in women with stage I or II breast cancer who are candidates for breast conserving surgery (1A evidence). The choice of surgery must be tailored to the individual patient with stage I or II breast cancer, who should be fully informed of the options (1A evidence). Including the possibility of reconstruction.

Type of indicator:
Process

Limitations concerning measurability:
None

Numerator (green box in flow chart):
All cStage I and II breast cancer women who underwent breast conserving surgery.
6a: no mastectomy within 6 months after BCS
6b: no mastectomy within 12 months after BCS

Denominator (blue box in flow chart):
All cStage I and II breast cancer women who underwent surgery.
Flow chart a (NEW PROPOSAL):

All patients with invasive breast cancer

Were patients in cStage I or II?

NO

STOP

YES

Other cStage
STOP

Unknown cStage
STOP

Was first surgery performed within 9 months after incidence date?

NO

STOP

YES

Did patients have breast conserving surgery as first surgery? (denominator for QCI 6.a.)

NO

STOP

YES

Was there a mastectomy within 6 months after first surgery?

NO

STOP

Include (numerator for QCI 6.a.)

YES

STOP
Flow chart b (NEW PROPOSAL):

- All patients with invasive breast cancer

  - Were patients in cStage I or II?
    - NO  
      - STOP
    - YES
      - Other cStage  
        - STOP
      - Unknown cStage  
        - STOP

  - Was first surgery performed within 9 months after incidence date?
    - NO  
      - STOP
    - YES
      - Did patients have breast conserving surgery as first surgery?  
        - (denominator for QCI 6.b.)
          - NO  
            - STOP
          - YES
            - Was there a mastectomy within 12 months after first surgery?
              - NO  
                - STOP
              - YES
                - Include  
                  - (numerator for QCI 6.b.)

Time frames (convention: 1 month = 30 days):
Surgery:
- BCS: first surgery within [-1;+9] months around incidence
- Mastectomy: within 6 months or within 12 months after first surgery.

Expected range:
50-60%
Data bases and variables:
- BCR (ICD-10=C50, incidence date, cStage)
- IMA (surgery)

Nomenclature selection:
- Breast conserving surgery
- Mastectomy
  ➔ See “Indicatorenfiches na bespreking 25 november 2011”