

13**Relative 5-year survival by stage
(as proxy for disease-specific survival)****Reference to:**

- KCE report 150A: BC2
- Selected QCI for Vlaamse Overheid: nr. 13
- EUSOMA-guidelines

Relation to quality:

In Belgium, 9 405 new breast cancers were diagnosed in 2005. In Belgium as in Europe, breast cancer is the most frequent cause of death by cancer in women (20.6% of all cancer deaths). The health care system can improve the prognosis of breast cancer through early detection and appropriate treatment. A favorable pattern in breast cancer mortality in the EU-25 was observed after 1989, leading to a fall in overall rates from 21.3/100 000 in 1990 to 18.9/100 000 in 2000. Survival rates depend on the stage of disease at diagnosis. At stage 0 (carcinoma in situ), the five-year survival rate is 100%. Five-year survival rates for women with stage IV (cancer has spread beyond the breast) are only 16%. This indicator is essential to evaluate treatment effectiveness.

Type of indicator:

Outcome

Numerator:

All women diagnosed with invasive breast cancer, surviving 5 years after diagnosis or dying due to a non-breast cancer-related cause, by stage.

Denominator:

All women diagnosed with invasive breast cancer, by stage.

Limitations concerning measurability concerning measurability:

In January 2013 an update was performed of the variables for survival analysis. However, even with this update 5-year follow-up is not available for all patients:

Incidence year	Number of years of follow-up (until 1 st half of 2012)				
	1 year	2 years	3 years	4 years	5 years
1 st half of 2007					
2 nd half of 2007					
1 st half of 2008					
2 nd half of 2008					

We will calculate survival on 5 years, where patients of 2008 will be censored for 5 year follow-up.

Flow chart:

Not necessary to include

Include graph + table

Calculation for each pStage separately (incl. unknown) + total

Expected range:

To be defined by stage

Data bases and variables:

- Kruispuntbank – Banque Carrefour:
 - mortality data to calculate survival variables
- BCR:
 - ICD-10=C50
 - stage (pstage)
 - incidence date,
 - survival variables