

Quality indicators for Breast Cancer Centers

No.	CoR*	Definition of indicator	Goal of indicator	Numerator	Population (=denominator)	Target value	Actual value
1	1.2.2	Postoperative case presentation	Postoperative presentation of as many primary cases as possible in the tumour board (TB)	All surgically treated primary cases presented in the tumour conference	Surgically treated primary cases (for definition of a primary case see 5.2.1)	≥ 95%	Numerator Denominator %
2	1.2.3	Pretreatment case presentation	Appropriate percentage of pre-therapeutic case discussions	Number of primary cases presented in the pre-therapeutic tumour board	Primary cases	≥ 40%	Numerator Denominator %
3	1.2.4	Case discussion of local recurrence/metastases	Presentation of all cases with local recurrence/newly diagnosed metastases in the TB	Number of cases with local recurrence/newly diagnosed metastases presented in the TB	Patients with first local recurrence and/or newly diagnosed metastases (excluding patients with metastases at initial presentation)	Currently no target value	Numerator Denominator %
4.1	1.2.8	Recommended ¹ radiotherapy after BCT in cases of inv. breast cancer (based on indicator year)	Radiation therapy of as many primary cases with inv. breast cancer as possible after BCT	Primary cases with inv. breast cancer and BCT, in which a radiotherapy was recommended	Primary cases with invasive breast cancer with BCT (excluding patients with metastases at initial presentation)	≥ 905%	Numerator Denominator %
4.2 optional	1.2.8 GL QI 6	Completed ^{2,3} radiotherapy after BCT in cases of inv. breast cancer (based on year previous to indicator year)	Recommended radiotherapy as often as possible	Primary cases with inv. breast cancer and BCT, for which radiotherapy was recommended and performed	Numerator for indicator no. 4.1 for the year previous to indicator year (excluding patients with metastases at initial presentation)	≥ 95% (reasons must be given from deviations from the therapy)	Numerator Denominator %
5.1	1.2.8	Recommended ¹ radiotherapy after BCT in cases of DCIS (based on indicator year)	≥ 95% radiotherapy in primary cases with DCIS and BCT	Primary cases with DCIS and BCT for which radiotherapy was recommended	Primary cases with DCIS und BCT	Currently no target value	Numerator Denominator %
5.2 optional	1.2.8	Completed ^{2,3} radiotherapy after BCT in cases of DCIS (based on year previous to indicator year)	Recommended radiotherapy as frequently as possible	Primary cases with DCIS and BCT that were treated with radiotherapy	Numerator for indicator no. 5.1 for the year previous to indicator year	≥ 95% (reasons must be given from deviations from the therapy)	Numerator Denominator %

Quality indicators for Breast Cancer Centers

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6.1	1.2.8	Recommended ¹ radiotherapy after a mastectomy in cases of inv. breast cancer (based on indicator year)	Radiation treatment for as many patients with inv. breast cancer and mastectomy with indication for radiotherapy of the chest wall (T3/4-Tm, R1/R2 resection with no possibility of repeating the resection or pN +> 3 LN) as possible	Primary cases with invasive breast cancer and mastectomy, for which radiotherapy was recommended	Primary cases with invasive breast cancer und mastectomy and indication for radiotherapy of the chest wall (T3/4-Tm, R1/R2 resection with no possibility of repeated resection or pN +> 3 LN) (excluding patients with metastases at initial presentation)	≥ 95%	Numerator Denominator %
6.2 <i>optional</i>	1.2.8 GL QI 10	Completed ^{2,3} radiotherapy after a mastectomy in cases of inv. breast cancer (in relation to the previous indicator year)	Recommended radiotherapy treatment as frequently as possible	Primary cases with invasive breast cancer and mastectomy, for which there was an indication for radiotherapy of the chest wall (= T3/4-Tm, R1/R2-resection without an option of repeated resection or pN +> 3 LN) and on whom radiotherapy was performed	Numerator for indicator no. 6.1 from the year previous to indicator year (excluding patients with metastases at initial presentation)	≥ 95% (reasons must be given from deviations from the therapy)	Numerator Denominator %
7.1	1.2.9	Recommended ¹ chemotherapy in cases of steroid receptor negative diagnostic finding ⁴ (based on indicator year)	Chemotherapy for as many steroid receptor negative primary cases as possible	All steroid receptor neg. primary cases with invasive breast cancer, for which chemotherapy was recommended	Primary cases with invasive breast cancer with steroid receptor negative diagnostic finding (excluding patients with metastases at initial presentation)	≥ 80%	Numerator Denominator %
7.2 <i>optional</i>	1.2.9 GL QI 9	Completed ^{2,3} chemotherapies in cases of steroid receptive negative diagnostic finding ⁴	Recommended chemotherapy treatment as frequently as possible	All steroid receptor negative primary cases with invasive breast cancer, to whom	Numerator for indicator Nr. 7.1 from the year previous to indicator year	≥ 95% (reasons must be given from	Numerator Denominator

Quality indicators for Breast Cancer Centers

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		(based on year previous to indicator year)		chemotherapy was administered	(excluding patients with metastases at initial presentation)	deviations from the therapy)	%
8.1	1.2.9	Recommended ¹ chemotherapy in cases of receptor positive and nodal positive diagnostic finding ⁴ (based on indicator year)	Chemotherapy for as many receptor positive and nodal positive primary cases as possible.	All receptor positive and nodal positive primary cases with invasive breast cancer in which a chemotherapy was recommended	Primary cases with invasive breast cancer with receptor positive and nodal positive diagnostic finding (excluding patients with metastases at initial presentation)	≥ 60%	Numerator Denominator %
8.2 optional	1.2.9 GL	Completed ^{2,3} chemotherapy in cases of receptor positive and nodal positive diagnostic finding ⁴ (based on year previous to indicator year)	Recommended chemotherapy treatment as frequently as possible	All receptor positive and nodal positive primary cases with invasive breast cancer that were treated with chemotherapy	Numerator for indicator no. 8.1 from the year previous to indicator year (excluding patients with metastases at initial presentation)	≥ 95% (reasons must be given from deviations from the therapy)	Numerator Denominator %
9.1	1.2.9	Recommended ¹ endocrine therapy in cases of steroid receptor positive diagnostic finding ⁴ (based on indicator year)	Endocrine therapy for as many steroid receptor positive primary cases as possible	All steroid receptor positive primary cases in which an endocrine therapy was recommended	Primary cases with invasive breast cancer with steroid receptor positive diagnostic finding (excluding patients with metastases at initial presentation)	≥ 80%	Numerator Denominator %
9.2 optional	1.2.9 GL QI 7	Initiated endocrine therapy ^{2,3} in cases of steroid receptor positive diagnostic finding ⁴ (based on year previous to indicator year)	Recommended endocrine therapy treatment as frequently as possible	All steroid receptor positive primary cases that have been treated with initiated endocrine therapy	Numerator for indicator no. 9.1 from the year previous to indicator year (excluding patients with metastases at initial presentation)	≥ 95% (reasons must be given from deviations from the therapy)	Numerator Denominator %
10.1	1.2.9	Recommended ¹ trastuzumab therapy over 1 year in cases of a HER2 positive diagnostic finding	Trastuzumab therapy over 1 year for as many HER2 pos. primary cases as possible	All HER2 pos. primary cases, for which a trastuzumab therapy was recommended for over 1 year	Primary cases with HER2 pos. diagnostic finding (excluding patients with metastases	≥ 95%	Numerator Denominator %

Quality indicators for Breast Cancer Centers

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					at initial presentation)		
10.2 <small>optional</small>	1.2.9 GL QI 8	Completed trastuzumab therapy over 1 year in cases of HER2 positive diagnostic finding ^{2,3}	Recommended trastuzumab therapy treatment as frequently as possible over 1 year	All HER2 pos. primary cases that have been treated with a trastuzumab therapy for over 1 year	Numerator for indicator no. 10.1 from the year previous to indicator year (excluding patients with metastases at initial presentation)	≥ 95% (reasons must be given from deviations from the therapy)	Numerator Denominator %
11	1.2.9 GL QI 11	Endocrine therapy in cases of metastases	Endocrine therapy as first-line therapy in cases of metastases as frequently as possible	Patients for whom an endocrine therapy was begun as a first-line therapy in metastasised stage	All patients with steroid receptor positive invasive breast cancer and initial diagnosis of metastases (including patients with metastases at initial presentation)	≥ 95%	Numerator Denominator %
12	1.4.2	Psycho-oncological care (= consultation > 30 25 min)	Adequate rate of psycho-oncological care	Number of primary patients, who received psycho-oncological care (length of consultation > 30 25 Min.)	Primary cases and patients with first local recurrence and/or newly diagnosed metastases (excluding patients with metastases at initial presentation)	Currently no target value	Numerator Denominator %
13	1.5.3	Social services counselling	Social services counselling as often as possible	Number of primary patients, who received social services counselling	Primary cases and patients with first local recurrence and/or newly diagnosed metastases (excluding patients with metastases at initial presentation)	Currently no target value	Numerator Denominator %
14	1.7.5	Percentage of study patients	Inclusion of as many patients as possible in studies	All patients who were included in a study subject to an ethics vote	Primary cases	Initial certification ≥ 1 patient After 1 yr.: ≥10%	Numerator Denominator %

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15	2.1.8 GL QI 1	Pre-therapeutic-histological confirmation	A pretherapeutic histological verification as often as possible	Patients with pretherapeutic histological diagnosis confirmation by means of a punch or vacuum biopsy	Patients with initial procedure and histology of invasive breast cancer or DCIS as primary disease	≥ 90%	Numerator Denominator %
16	5.2.1	Primary cases breast cancer	See target value	Primary cases	---	Initial certification: ≥ 100	Number
NB: No. 17 – Information optional; binding presentation from audit year 2018 / indicator year 2017; not contained in the OncoBox for the audit year 2017							
17 New optional		Number of surgeries with BCT and R0	As frequent as possible R0 resection in the first surgical operation with BCT	Primary cases with only one surgical intervention and final state BCT after surgery.	Surgically treated primary cases with BCT and R0	Currently no target value	
17 18	5.2.11	Breast-conserving therapy in cases of pT1	70-90% BCT for primary cases with pT1	Number BCT (final state after surgery) in cases of pT1 (incl. (y)pT1)	Surgically treated primary cases with pT1 (incl. (y)pT1)	70 - 90%	Numerator Denominator %
18 19	5.2.12	Mastectomies	Mastectomy	Number of mastectomies (final state after surgery)	Surgically treated primary cases	Currently no target value	Numerator Denominator %
19	5.2.13	DCIS in initial procedure (pTIS)	See target values	Number pT1's	Surgically treated primary cases	Currently no target value	Numerator Denominator %
20	5.2.13 GL QI 3	LN dissection in cases of DCIS	LN dissection in cases of DCIS as infrequently as possible	Patients with axillary lymph node dissection	Patients with a primary diagnosis of DCIS and completed surgical therapy and breast-conserving therapy	≤ 5%	Numerator Denominator %
21	5.2.14	Determination of the nodal Status in cases of invasive breast cancer	Determination of the nodal status in cases of invasive breast cancer	Number of primary cases with inv. breast cancer for which the nodal status was determined	Surgically treated primary cases With invasive breast cancer	≥ 95%	Numerator Denominator %
22	5.2.15	Sentinel lymph node-excision (SLNE) only in cases of pN0	SLNE only in cases of pN0 as often as possible	Patients with a sentinel node biopsy only	Patients with invasive breast cancer as a	≥ 80% SLNE only	Numerator Denominator

Quality indicators for Breast Cancer Centers

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	GL QI 4				primary disease and negative pN staging without preoperative tumour-specific therapy		%
23	5.2.16 GL QI 2	Intraoperative specimen radio-sonography	Intra-operative specimen x-ray/sonography) after localisation as often as possible	Operations with intra-operative specimen x-ray in cases of mammographic wire localisation and operations with intraoperative specimen sonography in cases of sonographic wire localisation	Operations with preoperative wire localisation guided by mammography or sonography	≥ 95%	Numerator Denominator %
24	5.2.17	Revision operations	The lowest possible rate of postoperative revision surgery	Revision surgery due to postoperative complications (only surgically treated primary cases)	Surgically treated primary cases	≤ 5% Revision operations	Numerator Denominator %
25	5.2.17	Postoperative wound infection	The lowest possible rate of postoperative wound infections	Number of postoperative wound infections after operations on primary cases	Surgically treated primary cases	≤ 5% wound-infections	Numerator Denominator %
26	5.2.23	Breast reconstruction	Sufficient number of breast reconstructions	Number der breast reconstructions (5-883.-ff., 5-885.-ff., 5-886.1-2, 5-876.1-3, 5-889.2-5, 5-905.0a)	---	Currently no target value	Number
27	8.14	Specification of the resection margin and safety margin	The resection margin and the safety margin specified as frequently as possible	The resection margin and safety margin specified by the pathologist	Surgically treated primary cases	≥ 95%	Numerator Denominator %
28	10.4 GL QI 12	Report to the cancer registry	Reports to the cancer registry as often as possible	Patients reported to a hospital and/or epidemiological cancer registry	All patients with histologically confirmed primary disease of invasive breast cancer and/or DCIS	≥ 95%	Numerator Denominator %

¹ Note that for the indicators 4-10 the population for the recommended therapy (e.g. 4.1, 5.1 etc.) is from the so-called index year (year previous to the audit year).

- ² Note that for the indicators 4-10 the population for the conducted therapy (e.g., 4.2, 5.2 etc.) is from the year before the index year (i.e., 2 years previous to the audit year). Reasons must be given for deviations from the recommendations formulated the previous year.
- ³ Providing information on the indicators 4.2, 5.2, 6.2 ... 10.2 is optional.
- ⁴ The cases that show "uncertain endocrine responsiveness" according to the S3 Guideline (ER/PgR; 1 - 9% positive cell nuclei, must be documented separately in the tumour documentation system (no relevance for the quality indicator form).
- * CoR: Catalogue of Requirements