

Measure	Weight	Measure Description	Points earned
#1	10	High Quality Clinical and Physics Data Submission and Completeness¹	
		Four Data Quality Metrics Met	10
		Three Data Quality Metrics Met	8
		Two Data Quality Metrics Met	4
		One Data Quality Metric Met	2
#2	5	Submission of Technical Data (Dose Volume Histogram, DICOM-RT, and Physics Radiotherapy Technical Details Survey)	
		>85% of technical data submitted within six weeks of treatment completion	5
		>85% of technical data submitted within eight weeks	4
		>85% of technical data submitted within twelve weeks	3
		>85% of technical data submitted after twelve weeks	2
#3	14	Collaborative-wide Measure : Omission of breast boost in women age 70 years or older with early-stage breast cancer²	
		30% or fewer of select patients receive a boost	14
		31-50% of select patients receive a boost	7
#4	14	Mean heart dose achieved in breast patients not receiving radiotherapy to regional nodes³	
		85% or more of patients meet the appropriate threshold	14
		60-84% of patients meet the appropriate threshold	7
#5	7	For breast cancer patients: evaluate Task Group-263 compliance for the specified structures (heart, breast PTV, lumpectomy cavity PTV, and ipsilateral lung) for the initial DICOM entry	
		80% or greater compliance for the specified structures	7
		60-79% compliance for the specified structures	3
#6	14	For lung cancer patients, \geq 95% of the Planning Target Volume (PTV) receives \geq100% of the prescription dose AND the heart mean dose is \leq20 Gray (Gy)	
		\geq 65% of patients meet target coverage and heart sparing goals	14
		64% of patients meet target coverage and heart sparing goals	7
		<50% of patients meet target coverage and heart sparing goals	0

Measure	Weight	Measure Description	Points earned
#7	7	For lung cancer patients: evaluate Task Group-263 compliance for the specified structures (heart, PTV, esophagus, spinal cord or canal, and normal lung) for the initial DICOM entry	
		50% or greater compliance for the specified structures	7
		30-49% compliance for the specified structures	3
		<30% compliance for the specified structures	0
#8	14	Rate of single fraction treatment for uncomplicated⁴ bone metastasis	
		>20% of patients with an uncomplicated bone metastasis are treated with a single fraction	14
		11-20% of patients with an uncomplicated bone metastasis are treated with a single fraction	7
		0-10% of patients with an uncomplicated bone metastasis are treated with a single fraction	0
#9	5	Collaborative Meeting Participation – Clinical Champion (<i>per MROQC CC Attendance Policy</i>)	
		All meetings	5
		Two meetings	3
		One meeting or none attended	0
#10	5	Collaborative Meeting Participation – Physics Lead (<i>or designee</i>)	
		All meetings	5
		Two meetings	3
		One meeting or none attended	0
#11	5	Collaborative Meeting Participation – Clinical Data Abstractor (<i>CDA or designee</i>)	
		All meetings	5
		Two meetings	3
		One meeting or none attended	0

¹Data Quality Metrics

A. Highly accurate data:

- Overall data accuracy determined by audit of breast, lung, and bone mets data is ≥95%.

B. Sufficient audit preparation and follow-up:

- Audit materials are available for review at the time of audit
- Appropriate staff member (CDA for clinical data audit and physicist or dosimetrist for physics data audit) is in attendance at the audit
- Corrections identified during clinical or physics data audit are made within 2 weeks of the audit date.

C. Active use of data quality reports in the Breast & Lung database

- Fewer than 5% of 2020 patients have a quality report error as of 12/31/20.

D. Active use of data quality reports in the Bone Mets database

- Fewer than 5% of 2020 patients have a quality report error as of 12/31/20.

**2020 patients are defined as patients with an RT end date of 10/1/19-9/30/20 (unless otherwise specified by measure)*

² Age ≥70, ER Positive tumors, T1N0/X/M0/X, Grade 1 or 2, Negative (≥2mm) Margins

³2020 Cardiac Dose Thresholds:

Conventional: ≤1.7 Gy (left) ≤1 Gy (right)

AWBI: ≤1.2 Gy (left) ≤.7 Gy (right)

⁴ **Uncomplicated bone mets definition:** No prior radiation to same anatomic site; no cord compression, cauda compression or radicular pain at the site being treated; no prior surgery at the site being treated; no associated soft tissue mass; patient reports any pain; a non-curative treatment intention