

▲ Measure #105: Prostate Cancer: Three-Dimensional (3D) Radiotherapy

2010 PQRI REPORTING OPTIONS FOR INDIVIDUAL MEASURES: CLAIMS, REGISTRY

DESCRIPTION:

Percentage of patients, regardless of age, with a diagnosis of clinically localized prostate cancer receiving external beam radiotherapy as a primary therapy to the prostate with or without nodal irradiation (no metastases; no salvage therapy) who receive three-dimensional conformal radiotherapy (3D-CRT) or intensity modulated radiation therapy (IMRT)

INSTRUCTIONS:

This measure is to be reported once per episode of radiation therapy for all patients with prostate cancer who receive external beam radiotherapy to the prostate during the reporting period. Claims data will be analyzed to determine unique episodes of radiation therapy. Each episode of radiation therapy in an eligible patient receiving external beam radiotherapy to the prostate occurring during the reporting period will be counted when calculating the reporting and performance rates. The PQRI quality-data code needs to be submitted only once during the episode of radiation therapy (e.g., 8 weeks of therapy). It is anticipated that clinicians who perform external beam radiotherapy to the prostate will submit this measure.

Measure Reporting via Claims:

Line-item ICD-9-CM diagnosis codes and CPT codes are used to identify patients who are included in the measure's denominator. CPT Category II codes are used to report the numerator of the measure.

When reporting the measure via claims, submit the appropriate ICD-9-CM diagnosis codes, CPT codes, and the appropriate CPT Category II code(s) **OR** the CPT Category II code(s) **with** the modifier. The reporting modifier allowed for this measure is: 8P- reason not otherwise specified. All measure-specific coding should be reported **ON THE SAME CLAIM**.

Measure Reporting via Registry:

ICD-9-CM diagnosis codes and CPT codes are used to identify patients who are included in the measure's denominator. The numerator options as described in the quality-data codes are used to report the numerator of the measure. The quality-data codes listed do not need to be submitted for registry-based submissions however these codes may be submitted for those registries that utilize claims data.

NUMERATOR:

Patients who receive three-dimensional conformal radiotherapy (3D-CRT) or intensity modulated radiation therapy (IMRT)

NUMERATOR NOTE: *The correct combination of numerator code(s) must be reported on the claim form in order to properly report this measure. The "correct combination" of codes may require the submission of multiple numerator codes.*

Numerator Quality-Data Coding Options for Reporting Satisfactorily:

3D-CRT or IMRT Received

(Two CPT II codes [4165F & 4200F] are required on the claim form to submit this numerator option)

CPT II 4165F: Three-dimensional conformal radiotherapy (3D-CRT) or intensity modulated radiation therapy (IMRT) received

AND

CPT II 4200F: External beam radiotherapy as primary therapy to the prostate with or without nodal irradiation

OR

If patient is not eligible for this measure because the 3D-CRT or IMRT is to region(s) other than the prostate only, report

(One CPT II code [4201F] is required on the claim form to submit this numerator option)

CPT II 4201F: External beam radiotherapy with or without nodal irradiation as adjuvant or salvage therapy for prostate cancer patient

OR

3D-CRT or IMRT not Received, Reason not Specified

(Two CPT II codes [4165F-8P & 4200F] are required on the claim form to submit this numerator option)

Append a reporting modifier (**8P**) to CPT Category II code **4165F** to report circumstances when the action described in the numerator is not performed and the reason is not otherwise specified.

4165F with 8P: Patients who did not receive three-dimensional conformal radiotherapy (3D-CRT) or intensity modulated radiation therapy (IMRT), reason not otherwise specified

AND

CPT II 4200F: External beam radiotherapy as primary therapy to the prostate with or without nodal irradiation

DENOMINATOR:

All patients, regardless of age, with a diagnosis of clinically localized prostate cancer receiving external beam radiotherapy as primary therapy to the prostate with or without nodal irradiation (no metastases; no salvage therapy)

Denominator Criteria (Eligible Cases):

Diagnosis for clinically localized prostate cancer (line-item ICD-9-CM): 185

WITHOUT

Secondary malignant neoplasm diagnosis of a specified site - respiratory, digestive, and of other specified sites (line-item ICD-9-CM): 197.0, 197.1, 197.2, 197.3, 197.4, 197.5, 197.6, 197.7, 197.8, 198.0, 198.1, 198.2, 198.3, 198.4, 198.5, 198.6, 198.7, 198.81, 198.82, 198.89

AND

Patient encounter during the reporting period (CPT): 77427

RATIONALE:

Current, computer-aided radiotherapy techniques improve the precision of the irradiation of cancerous tissue and should be employed for all patients receiving external beam radiotherapy as primary therapy to the prostate.

CLINICAL RECOMMENDATION STATEMENTS:

Three-dimensional CRT or intensity-modulated radiation therapy (IMRT) techniques should be employed over conventional techniques. These techniques use computer software to integrate CT images of the patients' internal anatomy in the treatment position, which allows the volume receiving the high radiation dose to "conform" more exactly to the shape of the tumor. Three-dimensional CRT has reduced both acute and late normal tissue toxicity in patients with prostate cancer and allows higher cumulative doses to be delivered with a lower risk of late effects. (NCCN) (Category 2A)