2025 eCQM Flow
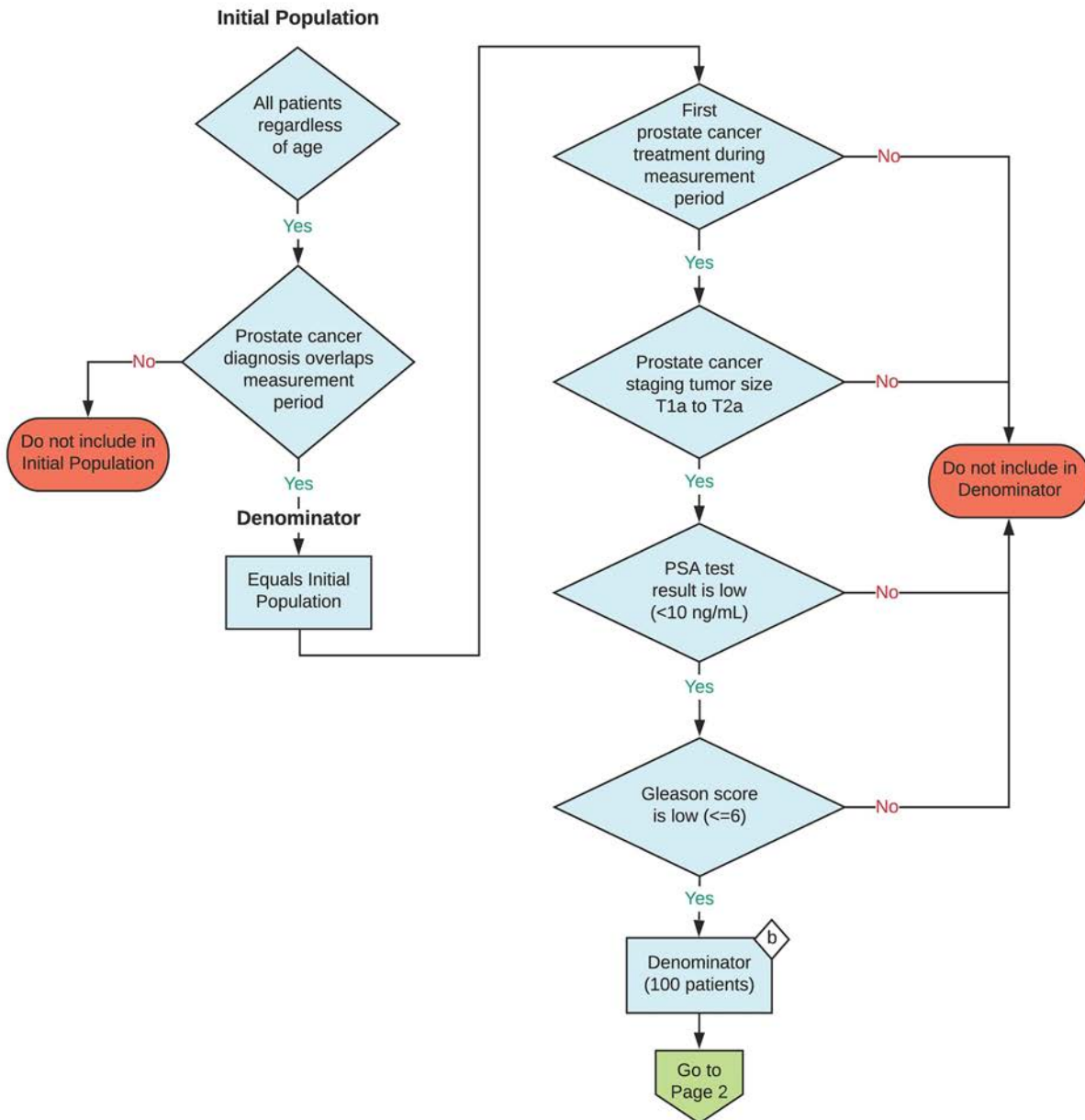**eCQM Identifier: CMS129v14**

NOTE: This flow diagram represents an overview of population criteria requirements. **Refer to the eCQM specification for a complete list of data elements included in this measure and required for submission.**

Prostate Cancer: Avoidance of Overuse of Bone Scan for Staging Low Risk Prostate Cancer Patients
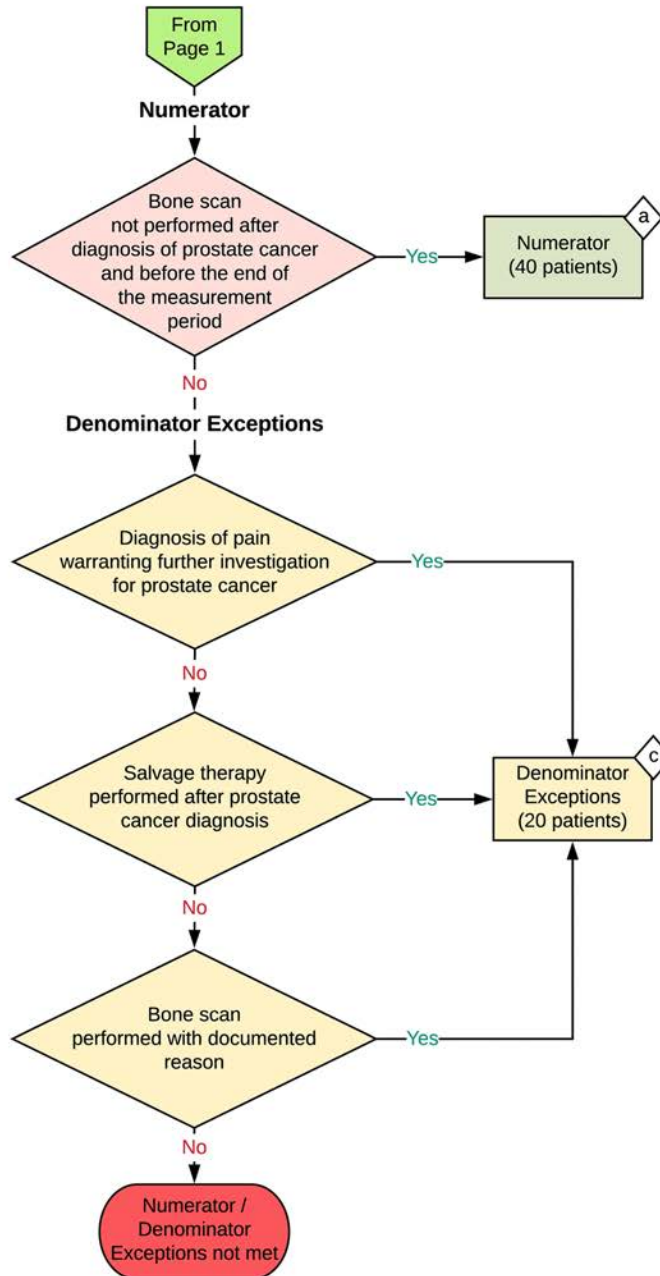
Percentage of patients, regardless of age, with a diagnosis of prostate cancer at low (or very low) risk of recurrence receiving interstitial prostate brachytherapy, OR external beam radiotherapy to the prostate, OR radical prostatectomy who did not have a bone scan performed at any time since diagnosis of prostate cancer

This eCQM is a patient-based measure

Initial Population

All patients regardless of age

↓ Yes

Prostate cancer diagnosis overlaps measurement period

— No → Do not include in Initial Population

↓ Yes

Denominator

Equals Initial Population

First prostate cancer treatment during measurement period

— No →

↓ Yes

Prostate cancer staging tumor size T1a to T2a

— No →

↓ Yes

PSA test result is low (<10 ng/mL)

— No →

↓ Yes

Gleason score is low (<=6)

— No → Do not include in Denominator

↓ Yes

Denominator (100 patients) [b]

↓

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Prostate Cancer: Avoidance of Overuse of Bone Scan for Staging Low Risk Prostate Cancer Patients

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Numerator

Bone scan not performed after diagnosis of prostate cancer and before the end of the measurement period

— Yes → Numerator (40 patients) [a]

No ↓

Denominator Exceptions

Diagnosis of pain warranting further investigation for prostate cancer

— Yes →

No ↓

Salvage therapy performed after prostate cancer diagnosis

— Yes → Denominator Exceptions (20 patients) [c]

No ↓

Bone scan performed with documented reason

— Yes →

No ↓

Numerator / Denominator Exceptions not met

Sample Calculation

Performance Rate =

$$\frac{\text{Numerator (a = 40 patients)}}{\text{Denominator (b = 100 patients) - Denominator Exceptions (c = 20 patients)}} = \frac{40}{80} = 50\ \%$$

eCQM Identifier: CMS129v14

eCQM Title: Prostate Cancer: Avoidance of Overuse of Bone Scan for Staging Low Risk Prostate Cancer Patients

NOTE: This flow diagram represents an overview of population criteria requirements. Refer to the eCQM specification for a complete list of data elements included in this measure and required for submission.

Description: Percentage of patients, regardless of age, with a diagnosis of prostate cancer at low (or very low) risk of recurrence receiving interstitial prostate brachytherapy, OR external beam radiotherapy to the prostate, OR radical prostatectomy who did not have a bone scan performed at any time since diagnosis of prostate cancer.

This eCQM is a patient-based measure.

eCQM Flow Narrative

Initial Population
Start by identifying the Initial Population, all patients, regardless of age, with a diagnosis of prostate cancer during the measurement period.

Denominator
The Denominator criteria further constrain the Initial Population to patients whose first prostate cancer treatment (e.g., interstitial prostate brachytherapy, or external beam radiotherapy to the prostate, or radical prostatectomy) occurred during the measurement period and who are at low (or very low) risk of recurrence (with a prostate cancer staging tumor size T1a to T2a, a PSA test result of less than 10 nanograms per milliliter, and a Gleason score of less than or equal to 6). In the sample calculation provided at the end of the eCQM flow, the Denominator is equal to 100 patients.

Numerator
The Numerator criteria identify a subset of the Denominator population by including patients who did not have a bone scan performed after diagnosis of prostate cancer and before the end of the measurement period. In the sample calculation provided at the end of the eCQM flow, the Numerator is equal to 40 patients.

Denominator Exceptions
The Denominator Exceptions criteria identify patients from the Denominator that did not meet the Numerator population criteria due to diagnosis of pain warranting further investigation for prostate cancer, salvage therapy performed after prostate cancer diagnosis, or bone scan performed with documented reason. In the sample calculation provided at the end of the eCQM flow, the Denominator Exceptions are equal to 20 patients.

Sample Calculation
A sample calculation is provided to help determine how the measure performance rate is derived. The measure performance rate is calculated by dividing the Numerator (total equals 40 patients) by the difference between the Denominator (total equals 100 patients) and the Denominator Exceptions (total equals 20 patients), which is equal to a score of 50 percent.