SpineTRACK Registry
2020 Approved QCDR Measure Specifications

Measure ID# SPINETRACK4

Percent of patients meeting SCB thresholds for back or neck pain

Calculation of the percent of patients who meet the substantial clinical benefit (SCB) thresholds for improvement in back or neck pain following a spine surgical intervention (cervical or lumbar)

Measure Type

Patient Reported Outcome (PRO)

National Quality Strategy (NQS) Domain

Effective Clinical Care

Meaningful Measure Area

Functional Outcomes

Denominator Description

Any patient ≥18 years of age (at the time of surgery) who have a baseline and, who underwent a spinal fusion procedure using any method. Spinal fusion and 6-month follow-up time point window must occur during reporting period of Jan. 1, 20xx - Dec. 31, 20xx.

Numerator Description

Number of patients who have a final value of 3.5 or less, have at least a 2.5 point improvement, or a at least a 41.4% improvement in back or at least a 3.5 point improvement in neck pain on NRS measures at least 6 months after the intervention.

Denominator Exclusions

- Those patients who underwent a spinal fusion procedure without back or neck pain, measured as ≤3 on a numeric rating scale (e.g., patients being treated primarily for myelopathy).
- Those patients who had not yet reached the minimum 6-month follow-up time point window. The follow-up time point window is defined by the SpineTRACK Guidelines.
- Those patients missing baseline patient-reported outcome measures, including those who are seen in hospital for intake as acute or trauma case.

Denominator Exceptions and Numerator Exclusions

None

Is this a risk-adjusted measure?

No

Number of required performance rates

1

High Priority Status
High priority - outcome

Traditional vs. Inverse Measure
Traditional

Proportional Measure
Yes

Continuous Variable Measure
No

Ratio Measure
No

National Quality Forum (NQF) Number
N/A

Measure ID# SPINETRACK5

Percent of patients meeting SCB thresholds for leg or arm pain

Calculation of the percent of patients who meet the substantial clinical benefit (SCB) thresholds for improvement in leg or arm pain following a spine surgical intervention (cervical or lumbar)

Measure Type

Patient Reported Outcome (PRO)

National Quality Strategy (NQS) Domain

Effective Clinical Care

Meaningful Measure Area

Functional Outcomes

Denominator Description

Any patient ≥18 years of age (at the time of surgery) who have a baseline and, who underwent a spinal fusion procedure using any method. Spinal fusion and 6-month follow-up time point window must occur during reporting period of Jan. 1, 20xx - Dec. 31, 20xx.

Numerator Description

Number of patients who have a final value of 3.5 or less, have at least a 2.5 point improvement, or at least a 38.8% improvement in leg or at least a 3.5 point improvement in arm pain on NRS measures at least 6 months after the intervention.

Denominator Exclusions

- Those patients who underwent a spinal fusion procedure without leg or arm pain, measured as ≤3 on a numeric rating scale (e.g., patients being treated primarily for myelopathy).
- Those patients who had not yet reached the minimum 6-month follow-up time point window. The follow-up time point window is defined by the SpineTRACK Guidelines.
- Those patients missing baseline patient-reported outcome measures, including those who are seen in hospital for intake as acute or trauma case.

Denominator Exceptions and Numerator Exclusions

None

Is this a risk-adjusted measure?

No

Number of required performance rates

1

High Priority Status

High priority - outcome

Traditional vs. Inverse Measure

Traditional

Proportional Measure
Yes

Continuous Variable Measure
No

Ratio Measure
No

National Quality Forum (NQF) Number
N/A

Measure ID# SPINETRACK6

Percent of patients meeting SCB thresholds for pain-related disability (ODI/NDI)

Calculation of the percent of patients who meet the substantial clinical benefit (SCB) thresholds for improvement in pain-related disability following a spine surgical intervention (cervical or lumbar)

Measure Type

Patient Reported Outcome (PRO)

National Quality Strategy (NQS) Domain

Effective Clinical Care

Meaningful Measure Area

Functional Outcomes

Denominator Description

Any patient ≥18 years of age (at the time of surgery) who have a baseline and, who underwent a spinal fusion procedure using any method. Spinal fusion and 6-month follow-up time point window must occur during reporting period of Jan. 1, 20xx - Dec. 31, 20xx.

Numerator Description

Number of patients who have at least an 18.8 point improvement, at least a 36.8% improvement, or final disability value below 31.3 measured by ODI or at least a 9.5 point improvement on NDI questionnaires at least 6 months after the intervention.

Denominator Exclusions

- Those patients who underwent a spinal fusion procedure without market disability, measured as ≤30 on Oswestry or neck disability questionnaires (e.g., patients being treated primarily for myelopathy).
- Those patients who had not yet reached the minimum 6-month follow-up time point window. The follow-up time point window is defined by the SpineTRACK Guidelines.
- Those patients missing baseline patient-reported outcome measures, including those who are seen in hospital for intake as acute or trauma case.

Denominator Exceptions and Numerator Exclusions

None

Is this a risk-adjusted measure?

No

Number of required performance rates

1

High Priority Status

High priority - outcome

Traditional vs. Inverse Measure

Traditional

Proportional Measure
Yes

Continuous Variable Measure
No

Ratio Measure
No

National Quality Forum (NQF) Number
N/A

Measure ID# SPINETRACK7

Infection in spinal fusion surgery

Calculation of the percent of patients who experience any infection that required hospital readmission or reoperation following a spine surgical intervention (cervical or lumbar).

Measure Type
Outcome

National Quality Strategy (NQS) Domain
Patient Safety

Meaningful Measure Area
Healthcare-associated Infections

Denominator Description
Any patient ≥18 years of age (at the time of surgery) who underwent a spinal fusion procedure using any method. Spinal fusion and 6-week follow-up time point window must occur during reporting period of Jan. 1, 20xx - Dec. 31, 20xx.

Numerator Description
Number of patients who require hospital readmission or reoperation for any infection on or before 6 weeks of the intervention.

Denominator Exclusions
Those patients who had not yet reached the minimum 6-week follow-up time point window. The follow-up time point window is defined by the SpineTRACK Guidelines.

Denominator Exceptions and Numerator Exclusions
None

Is this a risk-adjusted measure?
No

Number of required performance rates
1

High Priority Status
High priority - outcome

Traditional vs. Inverse Measure
Inverse

Proportional Measure
Yes

Continuous Variable Measure
No

Ratio Measure
No

National Quality Forum (NQF) Number
N/A

Measure ID# SPINETRACK8

Patient satisfaction following spinal fusion surgery

Calculation of the percent of patients who are 'Very satisfied' or 'Somewhat satisfied' with their surgical outcome following a spine surgical intervention (cervical or lumbar).

Measure Type

Patient Reported Outcome (PRO)

National Quality Strategy (NQS) Domain

Effective Clinical Care

Meaningful Measure Area

Patient's Experience of Care

Denominator Description

Any patient ≥18 years of age (at the time of surgery) who underwent a spinal fusion procedure using any method. Spinal fusion and 6-MONTH follow-up time point window must occur during reporting period of Jan. 1, 20xx - Dec. 31, 20xx.

Numerator Description

Number of patients who are 'Very satisfied' or 'Somewhat satisfied' with their surgical outcome at least 6 months after the intervention.

Denominator Exclusions

Those patients who had not yet reached the minimum 6-month follow-up time point window. The follow-up time point window is defined by the SpineTRACK Guidelines.

Denominator Exceptions and Numerator Exclusions

None

Is this a risk-adjusted measure?

No

Number of required performance rates

1

High Priority Status

High priority - outcome

Traditional vs. Inverse Measure

Traditional

Proportional Measure

Yes

Continuous Variable Measure
No

Ratio Measure
No

National Quality Forum (NQF) Number
N/A

Measure ID# SPINETRACK9

Unplanned hospital readmission following spinal fusion surgery

Calculation of the percent of patients who require unplanned hospital readmission following spine surgical intervention (cervical or lumbar).

Measure Type

Outcome

National Quality Strategy (NQS) Domain

Patient Safety

Meaningful Measure Area

Admissions and Readmissions to Hospitals

Denominator Description

Any patient ≥18 years of age (at the time of surgery) who underwent a spinal fusion procedure using any method. Spinal fusion and 6-week follow-up time point window must occur during reporting period of Jan. 1, 20xx - Dec. 31, 20xx.

Numerator Description

Number of patients who require unplanned hospital readmission within 6 weeks of the intervention.

Denominator Exclusions

Those patients who had not yet reached the minimum 6-month follow-up time point window. The follow-up time point window is defined by the SpineTRACK Guidelines.

Denominator Exceptions and Numerator Exclusions

None

Is this a risk-adjusted measure?

No

Number of required performance rates

1

High Priority Status

High priority - outcome

Traditional vs. Inverse Measure

Inverse

Proportional Measure

Yes

Continuous Variable Measure
No

Ratio Measure
No

National Quality Forum (NQF) Number
N/A

Measure ID# SPINETRACK10

Elimination of narcotic medication use following spinal fusion surgery

Calculation of the percent of patients who report a reduction in narcotic medication intake from 'Daily use' or 'Occasional use' to "No use' following a spine surgical intervention (cervical or lumbar).

Measure Type

Patient-Reported Outcome (PRO)

National Quality Strategy (NQS) Domain

Effective Clinical Care

Meaningful Measure Area

Prevention and Treatment of Opioid and Substance Use Disorders

Denominator Description

Any patient ≥18 years of age (at the time of surgery) who have a baseline and who underwent a spinal fusion procedure using any method. Spinal fusion and 3-MONTH follow-up time point window must occur during reporting period of Jan. 1, 20xx - Dec. 31, 20xx.

Numerator Description

Number of patients who report 'No use" of narcotic medication at least 3 months after the intervention.

Denominator Exclusions

- Those patients who did not report 'Daily use' or 'Occasional use' of narcotic medication at baseline.
- Those patients who had not yet reached the minimum 3-month follow-up time point window. The follow-up time point window is defined by the SpineTRACK Guidelines.
- Those patients missing baseline patient-reported outcome measures, including those who are seen in hospital for intake as acute or trauma case.

Denominator Exceptions and Numerator Exclusions

None

Is this a risk-adjusted measure?

No

Number of required performance rates

1

High Priority Status

High priority – Opioid-related Measure

Traditional vs. Inverse Measure

Traditional

Proportional Measure
Yes

Continuous Variable Measure
No

Ratio Measure
No

National Quality Forum (NQF) Number
N/A

Measure ID# OBERD32

Quality of Life - Physical Health Outcomes by Oberd

Calculation of the percent of patients who meet the minimally clinically important difference (MCID) thresholds for improvement in quality of life (QoL) physical component score from patient-reported outcomes assessments (VR-12, SF-12, SF-36, PROMIS Global 10 or equivalent Computer Adaptive Test (CAT) assessment, if available) following a spine surgical intervention (cervical or lumbar).

Measure Type

Patient Reported Outcome (PRO)

National Quality Strategy (NQS) Domain

Person and Caregiver Centered Experience and Outcomes

Meaningful Measure Area

Functional Outcomes

Denominator Description

Any patient ≥18 years of age (at the time of surgery) who underwent a spinal fusion procedure using any method. Spinal fusion and 6-MONTH follow-up time point window must occur during reporting period of Jan. 1, 20xx - Dec. 31, 20xx.

Numerator Description

Number of patients whose follow-up QoL Physical Component Score has a clinical improvement (improvement meets or exceeds the Minimally Clinically Important Difference (MCID) of the questionnaire in use) at least 6 months after the intervention.

Denominator Exclusions

- Patient who has a max score at baseline.
- Those patients who had not yet reached the minimum 6-month follow-up time point window. The follow-up time point window is defined by the SpineTRACK Guidelines.
- Those patients missing baseline patient-reported outcome measures, including those who are seen in hospital for intake as acute or trauma case.

Denominator Exceptions and Numerator Exclusions

None

Is this a risk-adjusted measure?

No

Number of required performance rates

1

High Priority Status

High priority - outcome

Traditional vs. Inverse Measure
Traditional

Proportional Measure
Yes

Continuous Variable Measure
No

Ratio Measure
No

National Quality Forum (NQF) Number
N/A