QCDR Name	2019 QCDR Measure IDs	Measure Title	Measure Description	Denominator	Numerator	Denominator Exclusions	Denominator Exceptions	Numerator Exclusions	NQF ID Number	High Priority Measure?	High Priority Type	Measure Type	NQS Domain	Meaningful Measure Area	Inverse Measure	Proportional Measure	Continuous Variable Measure	Ratio Measure	Risk-Adjusted	Vendor Organization Staff
Quality Outcomes Database (QOD)	NPA11	Unplanned Readmission Following Spine Procedure within the 30-Day Postoperative Period	Percentage of patients aged 18 years and older who had any unplanned readmission for spine-related procedure within the 30-day postoperative period	QOD QCDR Patients Denominator: The patient population includes patients aged 18 years and older eligible for, enrolled, and engaged in the Qualified Clinical Data Registry (QCDR). For the QOD QCDR, the measures apply to patients undergoing either lumbar or cervical spine surgery and the surgeon's selection of either lumbar or cervical or both lumbar and cervical registry participation. Lumbar surgery includes patients with symptomatic lumbar disc herniation, symptomatic recurrent lumbar disc herniation, lumbar spondylolisthesis, lumbar stenosis, lumbar adjacent segment disease, single level symptomatic mechanical disc collapse. Cervical spine surgery includes patients with cervical radiculopathy, cervical myelopathy, or mechanical neck	Number of patients aged 18 years and older who had any unplanned readmission for spine-related procedure within the 30-day postoperative period.	Denominator Exclusions Excluded are patients with circumstances that interfere with or prevent data collection or patients with conditions that confound interpretation of patient outcomes. General Exclusions ● Spinal infection (including osteomyelitis, TB, discitis) ● Tumor: Current surgery for spinal tumor (benign/malignant); brain tumor affecting movement (e.g., parietal lobe or cerebellum); associated systemic malignancy present at the time of surgery ● Spine fracture or spine traumatic dislocation ● Incarceration (prisoner) ● Hospital/Facility/Surgeon is not a participant ● Refused Informed Consent: if informed consent is required by the local IRB, then refusal of consent	None	None	N/A	Yes	Outcome	Outcome	Communication and Care Coordination	Admissions and Readmissions to Hospitals	Yes	Yes	No	No	No	Irene Zyung: icz@neuropoint.org, Rachel Groman: rgroman@hhs.com; Katie Orrico: korrico@neurosurgery.org
Quality Outcomes Database (QOD)	NPA12	Selection of Prophylactic Antibiotic Prior to Spine Procedure	Percentage of patients aged 18 years and older undergoing an index spine-related procedure with the indications for prophylactic antibiotics who had an order for antimicrobial prophylaxis	QOD QCDR Patients Denominator: The patient population includes patients aged 18 years and older eligible for, enrolled, and engaged in the Qualified Clinical Data Registry (QCDR). For the QOD QCDR, the measures apply to patients undergoing either lumbar or cervical spine surgery and the surgeon's selection of either lumbar or cervical or both lumbar and cervical registry participation. Lumbar surgery includes patients with symptomatic lumbar disc herniation, symptomatic recurrent lumbar disc herniation, lumbar spondylolisthesis, lumbar stenosis, lumbar adjacent segment disease, single level symptomatic mechanical disc collapse. Cervical spine surgery includes patients with cervical radiculopathy, cervical myelopathy, or mechanical neck	Number of patients aged 18 years and older undergoing an index spine-related procedure with the indications for prophylactic antibiotics who had an order for antimicrobial prophylaxis	Denominator Exclusions Excluded are patients with circumstances that interfere with or prevent data collection or patients with conditions that confound interpretation of patient outcomes. General Exclusions ● Spinal infection (including osteomyelitis, TB, discitis) ● Tumor: Current surgery for spinal tumor (benign/malignant); brain tumor affecting movement (e.g., parietal lobe or cerebellum); associated systemic malignancy present at the time of surgery ● Spine fracture or spine traumatic dislocation ● Incarceration (prisoner) ● Hospital/Facility/Surgeon is not a participant ● Refused Informed Consent: if informed consent is required by the local IRB, then refusal of consent	None	None	N/A	Yes	Patient Safety	Process	Patient Safety	Preventable Healthcare Harm	No	Yes	No	No	No	Irene Zyung: icz@neuropoint.org, Rachel Groman: rgroman@hhs.com; Katie Orrico: korrico@neurosurgery.org

QCDR Name	2019 QCDR Measure IDs	Measure Title	Measure Description	Denominator	Numerator	Denominator Exclusions	Denominator Exceptions	Numerator Exclusions	NQF ID Number	High Priority Measure?	High Priority Type	Measure Type	NQS Domain	Meaningful Measure Area	Inverse Measure	Proportional Measure	Continuous Variable Measure	Ratio Measure	Risk-Adjusted	Vendor Organization Staff
Quality Outcomes Database (QOD)	NPA18	Smoking Assessment and Cessation Coincident With Spine-Related Therapies	Percentage of patients aged 18 years and older who were assessed for tobacco use prior to spine-related therapy(-ies) and who received cessation counseling intervention if identified as a tobacco user.	QOD QCDR Patients Denominator: The patient population includes patients aged 18 years and older eligible for, enrolled, and engaged in the Qualified Clinical Data Registry (QCDR). For the QOD QCDR, the measures apply to patients undergoing either lumbar or cervical spine surgery and the surgeon's selection of either lumbar or cervical or both lumbar and cervical registry participation. Lumbar surgery includes patients with symptomatic lumbar disc herniation, symptomatic recurrent lumbar disc herniation, lumbar spondylolisthesis, lumbar stenosis, lumbar adjacent segment disease, single level symptomatic mechanical disc collapse. Cervical spine surgery includes patients with cervical radiculopathy, cervical myelopathy, or mechanical neck	Number of patients aged 18 years and older who were assessed for tobacco use prior to spine-related therapy(-ies) and who received cessation counseling intervention if identified as a tobacco user.	Denominator Exclusions Excluded are patients with circumstances that interfere with or prevent data collection or patients with conditions that confound interpretation of patient outcomes. General Exclusions ● Spinal infection (including osteomyelitis, TB, discitis) ● Tumor: Current surgery for spinal tumor (benign/malignant); brain tumor affecting movement (e.g., parietal lobe or cerebellum); associated systemic malignancy present at the time of surgery ● Spine fracture or spine traumatic dislocation ● Incarceration (prisoner) ● Hospital/Facility/Surgeon is not a participant ● Refused Informed Consent: if informed consent is required by the local IRB, then refusal of consent	None	None	N/A	No	N/A	Process	Community/Population Health	Prevention and Treatment of Opioid and Substance Use Disorders	No	Yes	No	No	No	Irene Zyung: icz@neuropoint.org, Rachel Groman: rgroman@hhs.com; Katie Orrico: korrico@neurosurgery.org
Quality Outcomes Database (QOD)	NPA19	Body Mass Assessment and Follow-up Coincident With Spine-Related Therapies	Percentage of patients aged 18 years and older with a weight and height recorded in the medical record at the time of initial evaluation and/or treatment of spine-related disorder and, if the most recent body mass index (BMI) is outside of normal parameters (BMI ≥ 23 and < 30 for patients 65 years and older; BMI ≥ 18.5 and < 25 for patients 18-64 years of age), a follow-up plan is documented (example: "Patient referred to nutrition counseling for BMI above normal parameters").	QOD QCDR Patients Denominator: The patient population includes patients aged 18 years and older eligible for, enrolled, and engaged in the Qualified Clinical Data Registry (QCDR). For the QOD QCDR, the measures apply to patients undergoing either lumbar or cervical spine surgery and the surgeon's selection of either lumbar or cervical or both lumbar and cervical registry participation. Lumbar surgery includes patients with symptomatic lumbar disc herniation, symptomatic recurrent lumbar disc herniation, lumbar spondylolisthesis, lumbar stenosis, lumbar adjacent segment disease, single level symptomatic mechanical disc collapse. Cervical spine surgery includes patients with cervical radiculopathy, cervical myelopathy, or mechanical neck	Number of patients aged 18 years and older with a weight and height recorded at time of initial evaluation and/or treatment of spine-related disorder documented in the medical record and if the most recent BMI is outside of normal parameters	Denominator Exclusions Excluded are patients with circumstances that interfere with or prevent data collection or patients with conditions that confound interpretation of patient outcomes. General Exclusions ● Spinal infection (including osteomyelitis, TB, discitis) ● Tumor: Current surgery for spinal tumor (benign/malignant); brain tumor affecting movement (e.g., parietal lobe or cerebellum); associated systemic malignancy present at the time of surgery ● Spine fracture or spine traumatic dislocation ● Incarceration (prisoner) ● Hospital/Facility/Surgeon is not a participant ● Refused Informed Consent: if informed consent is required by the local IRB, then refusal of consent	None	None	N/A	No	N/A	Process	Community/Population Health	Care is Personalized and Aligned with Patient's Goals	No	Yes	No	No	No	Irene Zyung: icz@neuropoint.org, Rachel Groman: rgroman@hhs.com; Katie Orrico: korrico@neurosurgery.org

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Quality Outcomes Database (QOD)	NPA24	Narcotic Pain Medicine Management Following Elective Spine Procedure	Percentage of patients aged 18 years and older with documentation of narcotic use/requirements at baseline (initial encounter) and at 3 months following initial assessment and interventions for treatment of spine-related pain symptoms and documentation of follow-up plan.	The listed denominator criteria is used to identify the intended patient population. The numerator options included in this specification are used to submit the quality actions allowed by the measures. The quality-data codes listed do not need to be submitted for registry-submissions. THERE ARE TWO SUBMISSION CRITERIA FOR THIS MEASURE: 1) Patients who are 18 years and older meeting QCDR inclusion criteria, with documentation of narcotic use/requirements at baseline (initial encounter) and at 3 months following initial assessment and interventions for treatment of spine-related pain symptoms and documentation of follow-up plan. OR 2) Patients who are 18 years and older, meeting QCDR inclusion	Number of patients aged 18 years and older with documentation of narcotic use/requirements at baseline (initial encounter) and at 3 months following initial assessment and interventions for treatment of spine-related pain symptoms and documentation of follow-up plan.	None	None	None	N/A	Yes	Opioid-related Measure*	Process	Communication and Care Coordination	Prevention and Treatment of Opioid and Substance Use Disorders	No	Yes	No	No	No	Irene Zyung: icz@neuropoint.org, Rachel Groman: rgroman@hhs.com; Katie Orrico: korrico@neurosurgery.org; Beth Radtke: bradtke@aapmr.org; Kavitha Neerukonda: kneerukonda@aapmr.org
Quality Outcomes Database (QOD)	NPA25	Depression and Anxiety Assessment Prior to Spine-Related Therapies	Percentage of patients aged 18 years and older with documentation of depression and/or anxiety assessment through discussion with the patient including the use of a standardized assessment tool prior to index therapy(-ies) for treatment of spine-related pain symptoms.	The listed denominator criteria is used to identify the intended patient population. The numerator options included in this specification are used to submit the quality actions allowed by the measures. The quality-data codes listed do not need to be submitted for registry-submissions. THERE ARE TWO SUBMISSION CRITERIA FOR THIS MEASURE: 1) Patients who are 18 years and older meeting QCDR inclusion criteria with documentation of depression and/or anxiety assessment through discussion with the patient including the use of a standardized assessment tool prior to index therapy(-ies) for treatment of spine-related pain symptoms. OR 2) Patients who are 18 years and older, meeting QCDR inclusion criteria and entered in registry, with documentation of	Number of patients aged 18 years and older with documentation of depression and/or anxiety assessment through discussion with the patient including the use of a standardized assessment tool prior to index therapy(-ies) for treatment of spine-related pain symptoms.	None	None	None	N/A	No	N/A	Process	Effective Clinical Care	Prevention, Treatment, and Management of Mental Health	No	Yes	No	No	No	Irene Zyung: icz@neuropoint.org, Rachel Groman: rgroman@hhs.com; Katie Orrico: korrico@neurosurgery.org; Beth Radtke: bradtke@aapmr.org; Kavitha Neerukonda: kneerukonda@aapmr.org

QCDR Name	2019 QCDR Measure IDs	Measure Title	Measure Description	Denominator	Numerator	Denominator Exclusions	Denominator Exceptions	Numerator Exclusions	NQF ID Number	High Priority Measure?	High Priority Type	Measure Type	NQS Domain	Meaningful Measure Area	Inverse Measure	Proportional Measure	Continuous Variable Measure	Ratio Measure	Risk-Adjusted	Vendor Organization Staff
Quality Outcomes Database (QOD)	NPA26	Functional Outcome Assessment for Spine Intervention	Percentage of patients aged 18 years and older undergoing spine intervention(s) who completed baseline and 3-month follow-up (patient-reported) functional outcome assessment, with at least 10% improvement in the functional status scaled score from the baseline. This measure will be calculated with 2 performance rates: 1) Rate 1: Patient population with Follow-up/Patient population with baseline 2) Rate 2: Patient population with improvement in functional status after Follow-up/Patient population with Follow-up. Overall Rate = Rate 2	The listed denominator criteria is used to identify the intended patient population. The numerator options included in this specification are used to submit the quality actions allowed by the measures. The quality-data codes listed do not need to be submitted for registry-submissions. THERE ARE TWO SUBMISSION CRITERIA FOR THIS MEASURE: 1) Patients who are 18 years and older meeting QCDR inclusion criteria, undergoing spine intervention who completed baseline and 3-month follow-up (patient-reported) functional outcome assessment. OR 2) Patients who are 18 years and older, meeting QCDR inclusion criteria and entered in registry, undergoing either lumbar or cervical spine surgery, who completed baseline and 3-	Percentage of patients aged 18 years and older undergoing spine intervention(s) who completed baseline and 3-month follow-up (patient-reported) functional outcome assessment (with an improvement in the quality of life status from the baseline).	None	None	None	N/A	Yes	Outcome	Patient Reported Outcome (PRO)	Person and Caregiver Centered Experience and Outcomes	Patient Reported Functional Outcomes	No	Yes	No	No	No	Irene Zyung: icz@neuropoint.org, Rachel Groman: rgroman@hhs.com; Katie Orrico: korrico@neurosurgery.org; Beth Radtke: bradtke@aapmr.org; Kavitha Neerukonda: kneerukonda@aapmr.org
Quality Outcomes Database (QOD)	NPA27	Spine/Extremity Pain Assessment	Percentage of patients aged 18 years and older with documentation of a pain assessment through discussion with the patient including the use of a standardized back or neck pain tool(s) AND/OR leg or arm pain tool(s) at baseline and 3 months following initial assessment and intervention(s) for treatment of spine-related pain symptoms with at least 10% improvement in the pain status from the baseline and documentation of follow-up plan. This measure will be calculated with 2 performance rates: 1) Rate 1: Patient population with Follow-up/Patient population with baseline 2) Rate 2: Patient population with improvement in pain status after Follow-up/Patient population with Follow-up. Overall Rate = Rate 2	The listed denominator criteria is used to identify the intended patient population. The numerator options included in this specification are used to submit the quality actions allowed by the measures. The quality-data codes listed do not need to be submitted for registry-submissions. THERE ARE TWO SUBMISSION CRITERIA FOR THIS MEASURE: 1) Patients who are 18 years and older meeting QCDR inclusion criteria, with documentation of a pain assessment through discussion with the patient including the use of a standardized back or neck pain tool(s) AND/OR leg or arm pain tool(s) at baseline and 3 months following initial assessment and intervention(s) for treatment of spine-related pain symptoms. OR 2) Patients who are 18 years and	Number of patients with documentation of a pain assessment through discussion with the patient including the use of a standardized back or neck pain tool(s) AND/OR leg or arm pain tool(s) at baseline and 3 months following initial assessment and intervention(s) for treatment of spine-related pain symptoms with at least 10% improvement in the pain status from the baseline and documentation of follow-up plan.	None	None	None	N/A	Yes	Outcome	Outcome	Person and Caregiver Centered Experience and Outcomes	Patient's Experience of Care	No	Yes	No	No	No	Irene Zyung: icz@neuropoint.org, Rachel Groman: rgroman@hhs.com; Katie Orrico: korrico@neurosurgery.org, Beth Radtke: bradtke@aapmr.org; Kavitha Neerukonda: kneerukonda@aapmr.org

QCDR Name	2019 QCDR Measure IDs	Measure Title	Measure Description	Denominator	Numerator	Denominator Exclusions	Denominator Exceptions	Numerator Exclusions	NQF ID Number	High Priority Measure?	High Priority Type	Measure Type	NQS Domain	Meaningful Measure Area	Inverse Measure	Proportional Measure	Continuous Variable Measure	Ratio Measure	Risk-Adjusted	Vendor Organization Staff
Quality Outcomes Database (QOD)	NPA28	Patient Satisfaction With Spine Care	Percentage of patients aged 18 years and older undergoing spine intervention(s) who completed 3-month follow-up (patient-reported) satisfaction with care assessment. Satisfaction will be reported as % of patients reporting satisfaction with procedure. This measure will be calculated with 2 performance rates: 1) Rate 1: Patient population with Follow-up/Patient population with baseline 2) Rate 2: Patient population with improvement in satisfaction with care status after Follow-up/Patient population with Follow-up. Overall Rate = Rate 2	The listed denominator criteria is used to identify the intended patient population. The numerator options included in this specification are used to submit the quality actions allowed by the measures. The quality-data codes listed do not need to be submitted for registry-submissions. THERE ARE TWO SUBMISSION CRITERIA FOR THIS MEASURE: 1) Patients who are 18 years and older meeting QCDR inclusion criteria, undergoing spine intervention(s) who completed 3-month follow-up (patient-reported) satisfaction with care assessment. OR 2) Patients who are 18 years and older, meeting QCDR inclusion criteria and entered in registry, undergoing either lumbar or cervical spine surgery, who completed 3-month follow-up	Number of patients aged 18 years and older undergoing index intervention(s) who completed 3-month follow-up (patient-reported) satisfaction with care assessment.	None	None	None	N/A	Yes	Outcome	Outcome	Person and Caregiver Centered Experience and Outcomes	Patient's Experience of Care	No	Yes	No	No	No	Irene Zyung: icz@neuropoint.org, Rachel Groman: rgroman@hhs.com; Katie Orrico: korrico@neurosurgery.org; Beth Radtke: bradtke@aapmr.org; Kavitha Neerukonda: kneerukonda@aapmr.org
Quality Outcomes Database (QOD)	NPA29	Quality-of-Life Assessment for Spine Intervention	Percentage of patients aged 18 years and older undergoing index spine intervention(s) who completed baseline and 3-month follow-up (patient-reported) quality-of-life assessment, with an improvement in the quality of life status from baseline. This measure will be calculated with 2 performance rates: 1) Rate 1: Patient population with Follow-up/Patient population with baseline 2) Rate 2: Patient population with improvement in quality of life status after Follow-up/Patient population with Follow-up. Overall Rate = Rate 2	The listed denominator criteria is used to identify the intended patient population. The numerator options included in this specification are used to submit the quality actions allowed by the measures. The quality-data codes listed do not need to be submitted for registry-submissions. THERE ARE TWO SUBMISSION CRITERIA FOR THIS MEASURE: 1) Patients who are 18 years and older meeting QCDR inclusion criteria, undergoing index spine intervention(s) who completed baseline and 3-month follow-up (patient-reported) quality-of-life assessment. OR 2) Patients who are 18 years and older, meeting QCDR inclusion criteria and entered in registry, undergoing either lumbar or cervical spine surgery, who completed baseline and 3-	Percentage of patients aged 18 years and older undergoing index spine intervention(s) who completed baseline and 3-month follow-up (patient-reported) quality-of-life assessment (with an improvement in the quality of life status from the baseline).	None	None	None	N/A	Yes	Outcome	Outcome	Person and Caregiver Centered Experience and Outcomes	Patient Reported Functional Outcomes	No	Yes	No	No	No	Irene Zyung: icz@neuropoint.org, Rachel Groman: rgroman@hhs.com; Katie Orrico: korrico@neurosurgery.org; Beth Radtke: bradtke@aapmr.org; Kavitha Neerukonda: kneerukonda@aapmr.org

QCDR Name	2019 QCDR Measure IDs	Measure Title	Measure Description	Denominator	Numerator	Denominator Exclusions	Denominator Exceptions	Numerator Exclusions	NQF ID Number	High Priority Measure?	High Priority Type	Measure Type	NQS Domain	Meaningful Measure Area	Inverse Measure	Proportional Measure	Continuous Variable Measure	Ratio Measure	Risk-Adjusted	Vendor Organization Staff
Quality Outcomes Database (QOD)	NPA6	Spine-Related Procedure Site Infection	Percentage of patients aged 18 years and older who had a surgical-site infection (SSI) within 30 days of the index spine procedure.	QOD QCDR Patients Denominator: The patient population includes patients aged 18 years and older eligible for, enrolled, and engaged in the Qualified Clinical Data Registry (QCDR). For the QOD QCDR, the measures apply to patients undergoing either lumbar or cervical spine surgery and the surgeon's selection of either lumbar or cervical or both lumbar and cervical registry participation. Lumbar surgery includes patients with symptomatic lumbar disc herniation, symptomatic recurrent lumbar disc herniation, lumbar spondylolisthesis, lumbar stenosis, lumbar adjacent segment disease, single level symptomatic mechanical disc collapse. Cervical spine surgery includes patients with cervical radiculopathy, cervical myelopathy, or mechanical neck	Number of patients aged 18 years and older who had an SSI within 30 days of the index spine procedure.	Denominator Exclusions Excluded are patients with circumstances that interfere with or prevent data collection or patients with conditions that confound interpretation of patient outcomes. General Exclusions ● Spinal infection (including osteomyelitis, TB, discitis) ● Tumor: Current surgery for spinal tumor (benign/malignant); brain tumor affecting movement (e.g., parietal lobe or cerebellum); associated systemic malignancy present at the time of surgery ● Spine fracture or spine traumatic dislocation ● Incarceration (prisoner) ● Hospital/Facility/Surgeon is not a participant ● Refused Informed Consent: if informed consent is required by the local IRB, then refusal of consent	None	None	N/A	Yes	Outcome	Outcome	Effective Clinical Care	Healthcare-associated Infections	Yes	Yes	No	No	No	Irene Zyung: icz@neuropoint.org, Rachel Groman: rgroman@hhs.com; Katie Orrico: korrico@neurosurgery.org