

Complex Spinal Surgery Quality Dashboard

Measure Number	Theme	Name of KPI	Definition	Numerator	Denominator	Period Type	Frequency	Data Source Numerator	Data Source Denominator	Data presentation	Target	Interpretation Guidance	Construction	Data Quality Concerns	Error Measurement	Notes_1
ADULTS																
CSS01	Domain 4: Ensuring that people have a positive experience of care	Spinal deformity: Mean time on waiting list	Mean and standard deviation of time on waiting list for surgery for spinal deformity (patients age 18+)					British Spine Registry or Spine Tango	British Spine Registry or Spine Tango							
CSS02	Domain 4: Ensuring that people have a positive experience of care	Spinal deformity: Number of cases cancelled for no intensive / high dependency care bed	Total number of cases cancelled per year due to no intensive care or high dependency bed	Number of adult patients having surgery for spinal deformity who have their case cancelled	Number of patients who have specialised spinal surgery who go to intensive care or high dependency			Trust	Trust							
CSS03	Domain 5: Treating and caring for people in a safe environment and protecting them from avoidable harm	1 Year SMR mortality following specialised spinal surgery for deformity - adults	1 year age/sex standardised mortality following specialised spinal surgery - adults	Death within 1 year of surgery	Total number of specialised spinal surgery patients - adults			HES ONS	HES ONS							CRG to provide codes
CSS04	Domain 5: Treating and caring for people in a safe environment and protecting them from avoidable harm	Spinal Deformity: Spinal cord injury or neurological deficit in patients having instrumented scoliosis correction	Number of cases of complete and incomplete spinal cord injury (excludes single nerve deficits) Adults	Counts of complete cord injury at 30 days post intervention	Total number of scoliosis surgeries			British Spine Registry or Spine Tango	British Spine Registry or Spine Tango							
CSS05	Domain 5: Treating and caring for people in a safe environment and protecting them from avoidable harm	Spinal Deformity: Spinal cord injury or neurological deficit in patients having instrumented scoliosis correction	Number of cases of complete and incomplete spinal cord injury (excludes single nerve deficits) Adults	Counts of complete cord injury at 30 days post intervention	Total number of scoliosis surgeries			British Spine Registry or Spine Tango	British Spine Registry or Spine Tango							
CSS06	Domain 5: Treating and caring for people in a safe environment and protecting them from avoidable harm	Spinal Deformity: Spinal cord injury or neurological deficit in patients having instrumented scoliosis correction	Number of cases of complete and incomplete spinal cord injury (excludes single nerve deficits) Adults	Counts of incomplete cord injury at 30 days post intervention	Total number of scoliosis surgeries			British Spine Registry or Spine Tango	British Spine Registry or Spine Tango							
CSS07a	Domain 5: Treating and caring for people in a safe environment and protecting them from avoidable harm	Spinal Deformity: Other surgical complications in patients having instrumented scoliosis correction - wound infection	Other surgical and post-operative complications - Adult	1. Wound infection (return to theatre and/or IV Abx)	Total number of scoliosis surgeries			British Spine Registry or Spine Tango	British Spine Registry or Spine Tango							
CSS07b	Domain 5: Treating and caring for people in a safe environment and protecting them from avoidable harm	Spinal Deformity: Other surgical complications in patients having instrumented scoliosis correction - implant failure or malposition	Other surgical and post-operative complications - Adult	2. Implant failure or implant malposition	Total number of scoliosis surgeries			British Spine Registry or Spine Tango	British Spine Registry or Spine Tango							
CSS08	Domain 5: Treating and caring for people in a safe environment and protecting them from avoidable harm	Spinal Deformity: Other surgical complications in patients having instrumented scoliosis correction	Other surgical and post-operative complications for adults with metastatic spinal cord suppression	1. Wound infection (return to theatre and/or IV Abx)	Total number of metastatic spinal cord suppression procedures			British Spine Registry or Spine Tango	British Spine Registry or Spine Tango							
CSS09	Domain 5: Treating and caring for people in a safe environment and protecting them from avoidable harm	Spinal Infection: 30 day all cause age sex standardised mortality		TBC	TBC			British Spine Registry or Spine Tango	British Spine Registry or Spine Tango							
CSS10	Domain 5: Treating and caring for people in a safe environment and protecting them from avoidable harm	Spinal Infection mean length of stay		TBC	TBC			British Spine Registry or Spine Tango	British Spine Registry or Spine Tango							
CSS11	Domain 5: Treating and caring for people in a safe environment and protecting them from avoidable harm	Spinal Infection : 30 day all cause readmission rate		TBC	TBC			British Spine Registry or Spine Tango	British Spine Registry or Spine Tango							
Paediatrics																
CSS12	Domain 1: Preventing people from dying prematurely	Spinal Deformity: Mean Cobb angle in children operated on between the age of 0 and 9 for idiopathic scoliosis		TBC	TBC			British Spine Registry or Spine Tango	British Spine Registry or Spine Tango							
CSS13	Domain 1: Preventing people from dying prematurely	Spinal Deformity: Mean Cobb angle in children operated on from the age of 9 to 18 for idiopathic scoliosis		TBC	TBC			British Spine Registry or Spine Tango	British Spine Registry or Spine Tango							
CSS14	Domain 2: Enhancing quality of life for people with long term conditions	Mean delay in intervention from diagnosis of idiopathic scoliosis in Children under 9 years old, adjusted by age at diagnosis (younger meaning we prefer a longer delay)		TBC	TBC			British Spine Registry or Spine Tango	British Spine Registry or Spine Tango							

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CSS15	Domain 3: Helping people to recover from episodes of ill health or following injury	Spinal Deformity: Outcome of surgery in adolescent (9-18 year olds) idiopathic scoliosis	Mean change in total SRS-22 score(questions 0 to 20) for patients treated for this diagnosis between before surgery and at 1 year after surgery.	TBC	TBC			British Spine Registry or Spine Tango	British Spine Registry or Spine Tango							
CSS16	Domain 4: Ensuring that people have a positive experience of care	Spinal Deformity: Patient experience of surgery in adolescent (9-18 year olds) idiopathic scoliosis	SRS-22 questions 21 and 22 total score for patients treated for this diagnosis at 1 year after surgery.	TBC	TBC			British Spine Registry or Spine Tango	British Spine Registry or Spine Tango							
CSS17	Domain 4: Ensuring that people have a positive experience of care	Spinal deformity: Number of cases cancelled for no paediatric intensive / high dependency care bed	Total number of cases cancelled per year due to no paediatric intensive care or high dependency bed availability	Number of patients aged 0-18 having specialised spinal surgery who have their case cancelled due to a lack of capacity	Number of patients who have surgery for paediatric spinal deformity who go to paediatric intensive care or high dependency			Trust	Trust							
CSS18	Domain 5: Treating and caring for people in a safe environment and protecting them from avoidable harm	Proportion of scoliosis surgery that is for a Type 1 paediatric spinal deformity patient		Number of Type 1 paediatric spinal deformity patients	Total number of interventions in paediatric spinal deformity patients			British Spine Registry or Spine Tango	British Spine Registry or Spine Tango							
CSS19	Domain 5: Treating and caring for people in a safe environment and protecting them from avoidable harm	30 days mortality following specialised spinal surgery - under 30 days	30 days mortality following specialised spinal surgery - under 18 yo	Death within 30 days of surgery	Total number of specialised spinal surgery patients - under 18 y.o			HES ONS	HES ONS							CRG to provide codes
CSS20	Domain 5: Treating and caring for people in a safe environment and protecting them from avoidable harm	Spinal Deformity: Spinal cord injury or neurological deficit in patients having instrumented scoliosis correction	Number of cases of complete and incomplete spinal cord injury (excludes single nerve deficits) Under 18y.o.	Counts of complete cord injury at 30 days post intervention	Total number of scoliosis surgeries			British Spine Registry or Spine Tango	British Spine Registry or Spine Tango							
CSS21	Domain 5: Treating and caring for people in a safe environment and protecting them from avoidable harm	Spinal Deformity: Spinal cord injury or neurological deficit in patients having instrumented scoliosis correction	Number of cases of complete and incomplete spinal cord injury (excludes single nerve deficits) Under 18y.o.	Counts of incomplete cord injury at 30 days post intervention	Total number of scoliosis surgeries			British Spine Registry or Spine Tango	British Spine Registry or Spine Tango							
CSS22a	Domain 5: Treating and caring for people in a safe environment and protecting them from avoidable harm	Spinal Deformity: Other surgical complications in patients having instrumented scoliosis correction - wound infection	Other surgical and post-operative complications under 18 y.o.	1. Wound infection (return to theatre and/or IV Abx)	Total number of scoliosis surgeries			British Spine Registry or Spine Tango	British Spine Registry or Spine Tango							
CSS22b	Domain 5: Treating and caring for people in a safe environment and protecting them from avoidable harm	Spinal Deformity: Other surgical complications in patients having instrumented scoliosis correction - implant failure or malposition	Other surgical and post-operative complications under 18 y.o.	2. Implant failure or Implant malposition	Total number of scoliosis surgeries			British Spine Registry or Spine Tango	British Spine Registry or Spine Tango							
CSS23	Domain 5: Treating and caring for people in a safe environment and protecting them from avoidable harm	Spinal Infection: 30 day all cause age sex standardised mortality		TBC	TBC			British Spine Registry or Spine Tango	British Spine Registry or Spine Tango							
CSS24	Domain 5: Treating and caring for people in a safe environment and protecting them from avoidable harm	Spinal Infection mean length of stay		TBC	TBC			British Spine Registry or Spine Tango	British Spine Registry or Spine Tango							
CSS25	Domain 5: Treating and caring for people in a safe environment and protecting them from avoidable harm	Spinal Infection : 30 day all cause readmission rate		TBC	TBC			British Spine Registry or Spine Tango	British Spine Registry or Spine Tango							