

Paediatric Neurosciences Neurosurgery Quality Dashboard 2020/21



| Indicator Reference Number | Domain | Theme | Measure | Rationale | Name of Indicator/Description | Numerator | Denominator | Period Type | Frequency | Data Source Numerator | Data Source Denominator | Data presentation | Target | Interpretation Guidance | Notes | Reporting Periods | | | |
|----------------------------|--|------------------|-----------------------------------|-----------|--|---|---|----------------|-----------|-------------------------|-------------------------|---------------------------------|--------|-------------------------|---|-------------------|-----------------|-----------------|-----------------|
| | | | | | | | | | | | | | | | | Q1 | Q2 | Q3 | Q4 |
| PNS02 | Domain 1: Preventing people from dying prematurely | Clinical outcome | 30-day mortality childhood tumour | | Proportion of patients aged 1-16 years who die within 30 days of first tumour procedure | Of those in the denominator, the number of paediatric patients that died within 30 days of the procedure | Number of paediatric patients undergoing a first tumour procedure in the reporting period | Rolling Annual | Quarterly | Provider submitted data | Provider submitted data | | | Lower is better | ICD10: 191, 192, 225 OPCS: A01, A02, A03, A04 | Jun 19 - May 20 | Sep 19 - Aug 20 | Dec 19 - Nov 20 | Mar 20 - Feb 21 |
| PNS04 | Domain 1: Preventing people from dying prematurely | Clinical process | Emergency CT response time (D7) | | Mean time for urgent CT scans in A&E (time from arrival at A&E to completion time of scan in minutes) | Sum of times from arrival at A&E to completion time of scan (in minutes) of urgent CT scans for paediatric patients in the reporting period | Number of urgent CT brain scans for paediatric patients from A&E in the reporting period | Quarterly | Quarterly | Provider submitted data | Provider submitted data | 60 minutes | | Lower is better | Data source PACS & A&E Unless age parameters are specified any patient seen at the centre should be categorised as a paediatric patient | Apr 20 - Jun 20 | Jul 20 - Sep 20 | Oct 20 - Dec 20 | Jan 21 - Mar 21 |
| PNS05 | Domain 1: Preventing people from dying prematurely | Clinical outcome | Intervention-related mortality | | Proportion of deaths within 30 days of any paediatric neurosurgical procedure or neuroradiological interventional procedure | Of those in the denominator, the number of paediatric patients that died within 30 days of the procedure | Number of paediatric patients undergoing any paediatric neurosurgical procedure or neuroradiological interventional procedure in the reporting period | Rolling Annual | Quarterly | Provider submitted data | Provider submitted data | | | Lower is better | OPCS CODES: A01 - A10, A12 - A42, A44 - A57 - A84 Unless age parameters are specified any patient seen at the centre should be categorised as a paediatric patient | Jun 19 - May 20 | Sep 19 - Aug 20 | Dec 19 - Nov 20 | Mar 20 - Feb 21 |
| PNS06 | Domain 1: Preventing people from dying prematurely | Clinical outcome | Early head injury mortality | | Proportion of paediatric patients dying within 30 days of a significant head injury | Of those in the denominator, the number of paediatric patients that died within 30 days of injury | Paediatric patients admitted to the paediatric neuroscience centre or a hospital in its referral network with a significant head injury in the reporting period | Rolling Annual | Quarterly | Provider submitted data | Provider submitted data | | | Lower is better | ICD: S020, S021, S027, S061, S062, S063, S064, S065, S066, S067, S068, S069, S071 Unless age parameters are specified any patient seen at the centre should be categorised as a paediatric patient | Jun 19 - May 20 | Sep 19 - Aug 20 | Dec 19 - Nov 20 | Mar 20 - Feb 21 |
| PNS09 | Domain 5: Treating and caring for people in a safe environment and protecting them from avoidable harm | Clinical outcome | Shunt reoperation | | Proportion of paediatric patients who require a second shunt procedure within 30 days of the first | Of those in the denominator, the number of paediatric patients that received a second shunt procedure within 30 days of the first | Paediatric patients undergoing any shunt operation (new or revision) in the reporting period | Rolling Annual | Quarterly | Provider submitted data | Provider submitted data | outside 95% confidence interval | | Lower is better | Include both new shunts and revisions Unless age parameters are specified any patient seen at the centre should be categorised as a paediatric patient | Jun 19 - May 20 | Sep 19 - Aug 20 | Dec 19 - Nov 20 | Mar 20 - Feb 21 |
| PNS10 | Domain 5: Treating and caring for people in a safe environment and protecting them from avoidable harm | Workforce | Staff training (D10) | | Proportion of nursing staff with paediatric training and neuroscience experience | Of those in the denominator, the number of nursing staff who have both paediatric training and neuroscience 'experience' (*) | Total number of neuroscience ward nursing staff in post at the end of the reporting period | Quarterly | Quarterly | Provider submitted data | Provider submitted data | | | Higher is better | (*) experience is at least 6 months on a neuroscience ward or equivalent Unless age parameters are specified any patient seen at the centre should be categorised as a paediatric patient | Apr 20 - Jun 20 | Jul 20 - Sep 20 | Oct 20 - Dec 20 | Jan 21 - Mar 21 |
| PNS11a | Domain 5: Treating and caring for people in a safe environment and protecting them from avoidable harm | Clinical process | Emergency care refusals (D18) | | Proportion of patients refused admission due to lack of PICU beds either delaying admission or requiring admission to another centre | Of those in the denominator, the number of refused admissions due to lack of a PICU bed | Number of requests for admission to PICU for paediatric neurosciences in the reporting period | Quarterly | Quarterly | Provider submitted data | Provider submitted data | | | Lower is better | Unless age parameters are specified any patient seen at the centre should be categorised as a paediatric patient | Apr 20 - Jun 20 | Jul 20 - Sep 20 | Oct 20 - Dec 20 | Jan 21 - Mar 21 |
| PNS11b | Domain 5: Treating and caring for people in a safe environment and protecting them from avoidable harm | Clinical process | Emergency care refusals (D18) | | Proportion of patients refused admission due to lack of ward beds either delaying admission or requiring admission to another centre | Of those in the denominator, the number of refused admissions due to lack of a ward bed | Number of requests for admission to a ward bed for paediatric neurosciences in the reporting period | Quarterly | Quarterly | Provider submitted data | Provider submitted data | | | Lower is better | Unless age parameters are specified any patient seen at the centre should be categorised as a paediatric patient | Apr 20 - Jun 20 | Jul 20 - Sep 20 | Oct 20 - Dec 20 | Jan 21 - Mar 21 |

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| PNS12 | Domain 5: Treating and caring for people in a safe environment and protecting them from avoidable harm | Clinical process | Emergency transfer delays (D28) | | Proportion of time critical emergency transfers delayed beyond 3 hours | Of those in the denominator, the total number of time critical emergency transfers delayed beyond 3 hours | Number of time critical emergency transfers from a non neurosurgery centre for emergency paediatric neurosurgery in the reporting period | Quarterly | Quarterly | Provider submitted data | Provider submitted data | | | Lower is better | Transfer = Time from first telephone referral of a time critical emergency paediatric neuroscience patient from referrer, to time of arrival at the paediatric neuroscience centre Unless age parameters are specified any patient seen at the centre should be categorised as a paediatric patient | Apr 20 - Jun 20 | Jul 20 - Sep 20 | Oct 20 - Dec 20 | Jan 21 - Mar 21 |
| PNS17 | Domain 5: Treating and caring for people in a safe environment and protecting them from avoidable harm | Clinical outcome | Survey response | | Rate of patients and carers responding to experience surveys | Number of survey responses from patients and carers in the reporting period | Total number of inpatient admissions under paediatric neuroscience service in the reporting period | Quarterly | Quarterly | Provider submitted data | Provider submitted data | | | Higher is better | May be >100% with patient and carer responses Unless age parameters are specified any patient seen at the centre should be categorised as a paediatric patient | Apr 20 - Jun 20 | Jul 20 - Sep 20 | Oct 20 - Dec 20 | Jan 21 - Mar 21 |
| PNS19 | Domain 2: Enhancing quality of life for people with long-term conditions. Domain 3: Helping people to recover from episodes of ill health or following injury | Clinical process | Formal function assessment completion | | Proportion of neurorehabilitation inpatients (age <19 years) with at least one recorded formal functional assessment (PEDI or FIM) | Of those in the denominator, the number of neurorehabilitation inpatients with at least one recorded formal functional assessment (PEDI or FIM) | Total number of neurorehabilitation inpatients (age <19 years) excluding patients under active acute neurology or neurosurgery in the reporting period | Quarterly | Quarterly | Provider submitted data | Provider submitted data | | | Higher is better | | Apr 20 - Jun 20 | Jul 20 - Sep 20 | Oct 20 - Dec 20 | Jan 21 - Mar 21 |
| PNS19a | Domain 3: Helping people to recover from episodes of ill health or following injury | Clinical process | Quality of Life assessment completion | | Proportion of neurorehabilitation inpatients (age <19 years) with at least one recorded Quality of Life assessment (PedsQL) | Of those in the denominator, the number of neurorehabilitation inpatients (age <19 years) with at least one recorded Quality of Life assessment (PedsQL) | Total number of neurorehabilitation inpatients (age <19 years) excluding patients under active acute neurology or neurosurgery in the reporting period | Quarterly | Quarterly | Provider submitted data | Provider submitted data | | | Higher is better | | Apr 20 - Jun 20 | Jul 20 - Sep 20 | Oct 20 - Dec 20 | Jan 21 - Mar 21 |

Data collection has been approved by the Review of Central Returns - ROCR
ROCR/OR/2230/001MAND