

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: C71, C79.4, C72, C72.8, D33 ICD9: 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 inclusive, A12 - A42 inclusive, A44 - A57 inclusive and 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

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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
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

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