Paediatric Intensive Care (PICU) Quality Dashboard 2020/21

NHS England

Indicator Reference Number	Domain	Theme	Measure	Rationale	Name of Indicator/Description	Numerator	Denominator	Period Type	Frequency	Data Source Numerator	Data Source Denominator	Target	Interpretation Guidance	Notes	Q1	Q2	Q3	Q4
PIC01	Domain 1: Preventing people from dying prematurely	Clinical outcome	Risk adjusted mortality	PICANet is a clinical data base used by most PICU providers. PICANet produce a risk adjusted SMR that is accepted by trusts	Risk adjusted mortality	Number of patients who died on PICU	Number of patients expected to die on PICU (as per PICANet risk adjustment methodology) in time period	Annual with 6 month lag	Annually	PICANet	PICANet	1	Any performance reported above the upper confidence or below the lower confidence limits will require further investigation					17 - 19
PIC02	Domain 5: Treating and caring for people in a safe environment and protecting them from avoidable harm	Clinical outcome	Emergency admissions refused	To measure emergency admissions refused from within the defined catchment population served	Proportion of emergency admissions who were refused admission	Of those in the denominator, number who were refused admission	Total number of requests for emergency admission to the PICU from providers for patients in the defined catchment population in month	Quarterly	Quarterly	Provider submitted data	Provider submitted data	<5%	Lower is better	The 'defined catchment population' means patients for whom the unit forms the expected pathway. This may vary depending on the patient's indication for admission (i.e. cardiac surgery patients may belong to a different or wider catchment to respiratory patients). The output from this measure is relevant for review and discussion within the PIC network.	Apr 20 - Jun 20	Jul 20 - Sep 20	Oct 20 - Dec 20	Jan 21 - Mar 21
PIC03	Domain 4: Ensuring that people have a positive experience of care	Clinical process	Cancellation of elective paediatric surgery	Cancellation of elective paediatric surgery on day of surgery due to bed unavailability	Cancellation of elective paediatric surgery on day of surgery due to bed unavailability	Of those in the denominator, number cancelled on the day of surgery owing to a lack of a PICU bed	Total number of planned hospital ward transfers to PICU post-elective paediatric surgery (all specialties)	Quarterly	Quarterly	Provider submitted data	Provider submitted data	<5%	Lower is better	This indicator should be relatively easy to under take since trusts are required to routinely collect cancelled operation information	Apr 20 - Jun 20	Jul 20 - Sep 20	Oct 20 - Dec 20	Jan 21 - Mar 21
PIC04	Domain 5: Treating and caring for people in a safe environment and protecting them from avoidable harm	Clinical outcome	Emergency readmissions to PICU within 48 hours	Emergency readmissions to PICU within 48 hours of a previous discharge / transfer from PICU	Emergency readmissions to PICU within 48 hours of a previous discharge / transfer from PICU	Of those in the denominator, number readmitted as an emergency within 48 hours of discharge from critical care clinical responsibility	Total number of discharges / transfer out from the PICU in period (excludes direct PICU to PICU transfers)	Quarterly	Quarterly	Provider submitted data	Provider submitted data	To set baseline %	Lower is better	This indicator could be verified by commissioners using their SUS data flows where providers flow paediatric intensive care data	Apr 20 - Jun 20	Jul 20 - Sep 20	Oct 20 - Dec 20	Jan 21 - Mar 21
PIC05a	Domain 5: Treating and caring for people in a safe environment and protecting them from avoidable harm	Clinical outcome	Bed occupancy	Bed occupancy measure	PICU bed occupancy rates	Total number of occupied bed days (midnight census)	Number of commissioned PICU beds multiplied by days in period	Quarterly	Quarterly	Provider submitted data	Provider submitted data	0.80	0.85 (0.75 - 0.85 is ok, consistently above 0.85 needs scrutiny, any month above 1 needs commissioner review)		Apr 20 - Jun 20	Jul 20 - Sep 20	Oct 20 - Dec 20	Jan 21 - Mar 21
PIC08	Domain 5: Treating and caring for people in a safe environment and protecting them from avoidable harm	Clinical outcome	Rate of accidental extubation of patients	Rate of accidental extubation of patients.	Rate of accidental extubation of patients.	Number of unplanned extubation events in patients in denominator	Total number of ventilated (via an endotracheal tube) bed days for patients in the PICU within the reporting period	Quarterly	Quarterly	Provider submitted data	Provider submitted data	To set baseline rate	Lower is better	An unplanned extubation is any of the following are not in place at the outset: 1. An intention to extubate 2. The presence of competent staff at the bedside 3. The preparation of suction and an oxygen delivery system in place before the patient is extubated. Rate of unplanned extubation of patients/100 ventilated days	Apr 20 - Jun 20	Jul 20 - Sep 20	Oct 20 - Dec 20	Jan 21 - Mar 21
PIC09	Domain 5: Treating and caring for people in a safe environment and protecting them from avoidable harm	Clinical process	Timely death review	To measure PICU deaths undergoing a timely formal review process	Proportion of death reviews conducted within 3 months	Number of deaths in PICU in reporting period discussed at a multi-disciplinary review meeting (M&M) within 3 months of date of death, with written documentation of the findings and an action plan	Total number of PICU deaths in the first 3 months of the previous 6 month reporting period	Quarterly	Quarterly	Provider submitted data	Provider submitted data	To set baseline %	Higher is better	Would expect the SI reporting to also be replicated in trust information	Apr 20 - Jun 20	Jul 20 - Sep 20	Oct 20 - Dec 20	Jan 21 - Mar 21

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															Reporting Periods			
PIC10	Domain 4: Ensuring that people have a positive experience of care	Clinical process	Timeliness of PICANET data submissions	PICANet expect provider information to be complete and accurate 3 months after patient discharge	Proportion of data submissions within 3 months of discharge	Number of data submission within three months of discharge	Total number of discharges in the first 3 months of the previous 6 month reporting period	Quarterly	Quarterly	Provider submitted data	Provider submitted data	100%	Higher is better		Apr 20 - Jun 20	Jul 20 - Sep 20	Oct 20 - Dec 20	Jan 21 - Mar 21
PIC13	Domain 4: Ensuring that people have a positive experience of care	Clinical process	Retrieval service performance	Ability to deliver a comprehensive retrieval service	Proportion of refused requests for retrieval of a patient within defined catchment	Number of requests in denominator which are refused	Total number of requests (within defined catchment of retrieval service) for retrieval of a patient requiring PIC admission	Quarterly	Quarterly	Provider submitted data	Provider submitted data	To set baseline %	Lower is better		Apr 20 - Jun 20	Jul 20 - Sep 20	Oct 20 - Dec 20	Jan 21 - Mar 21
PIC14i	Domain 1: Preventing people from dying prematurely	Clinical process	Timely mobilisation of PIC retrieval team	Retrievals should be performed within the agreed mobilisation time	Timely mobilisation of PIC retrieval team. Percentage of emergency retrievals undertaken where the team departs the transport base within 30 minutes from the time the referral is accepted for retrieval	Of those in the denominator, number where the team departs the transport base within 30 minutes from the time the referral is accepted for retrieval	Total number of emergency retrievals undertaken during the reporting period	Quarterly	Quarterly	Provider submitted data	Provider submitted data	95%	Higher is better	Local data capture will be required to confirm that the retrieval team was mobilised within time. Indicator reference number changed 16/17, as change to numerator	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