

Paediatric Intensive Care (PICU) Quality Dashboard 2021/22



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	Reporting Periods			
															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		N/A	N/A	N/A	Apr 20 to Mar 21
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 21 - Jun 21	Jul 21 - Sep 21	Oct 21 - Dec 21	Jan 22 - Mar 22
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 21 - Jun 21	Jul 21 - Sep 21	Oct 21 - Dec 21	Jan 22 - Mar 22
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	<2%	Lower is better	This indicator could be verified by commissioners using their SUS data flows where providers flow paediatric intensive care data	Apr 21 - Jun 21	Jul 21 - Sep 21	Oct 21 - Dec 21	Jan 22 - Mar 22
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	<85%	Lower is better	consistently above 0.85 needs scrutiny, any quarter above 1 needs commissioner review	Apr 21 - Jun 21	Jul 21 - Sep 21	Oct 21 - Dec 21	Jan 22 - Mar 22
PIC08a	Domain 5: Treating and caring for people in a safe environment and protecting them from avoidable harm	Clinical outcome	Unplanned extubations	Rate of unplanned extubations	Rate of unplanned extubations	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	<5/1000 ventilated days	Lower is better	An unplanned extubation occurs if any of the following are not in place at the time of extubation starting: 1. An intention to extubate; 2. The presence of airway competent clinical staff in the bed space; 3. Appropriate preparation of suction and an oxygen delivery system in place before the patient is extubated; Rate of unplanned extubation of patients/1000 ventilated days	Apr 21 - Jun 21	Jul 21 - Sep 21	Oct 21 - Dec 21	Jan 22 - Mar 22
PIC09a	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 either 3 months of the child's death, or within 1 month of receipt of the final PM report	Number of death reviews conducted within either 3 months of the child deaths or 1 month of receipt of the final PM report	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 21 - Jun 21	Jul 21 - Sep 21	Oct 21 - Dec 21	Jan 22 - Mar 22

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PIC10a	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 complete data submissions within 2 months of discharge	Number of complete data submissions within 2 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 21 - Jun 21	Jul 21 - Sep 21	Oct 21 - Dec 21	Jan 22 - Mar 22
PIC13a	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 due to unavailability of a team	Number of refused requests for retrieval of a patient within defined catchment due to unavailability of a team	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	<5%	Lower is better		Apr 21 - Jun 21	Jul 21 - Sep 21	Oct 21 - Dec 21	Jan 22 - Mar 22
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 21 - Jun 21	Jul 21 - Sep 21	Oct 21 - Dec 21	Jan 22 - Mar 22

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