Measure Number	Theme	Measure	Description & Provenance	Name of KPI	Numerator	Denominator	Period Type	Frequency	Data Source Numerator	Data Source Denominator	Data presentation	Target	Interpretation Guidance	Construction	Data Quality Concerns	Error Measurement	Notes_1	Notes_2
PIC01	Domain 1: Preventing people from dying prematurely	Risk adjusted mortality	PICANET is a clinical data base used by most / all 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	Run Chart	Advice from PICANET to remain within 99.9% confidence limits (or at least not above the upper confidence limit) on the funnel plots.	Any performance reported above the upper confidence or below the lower confidence limit requires further investigation		Complete cyatic will need to be captured on PICANET		Data available via PICANet	
PIC02	Domain 5: Treating and caring for people in a safe environment and protecting them from avoidable harm	Refusal rate for emergency admissions	Number of emergency admissions refused from within the defined catchment population served	Emergency admission refusal rate	Number in denominator 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 (the 'defined catchment population' means patients for whom the Unit forms the expected pathway)	Quarterly	Quarterly	PIC Unit	PIC Unit	Run Chart	<5%	Low % is good		Staff members making decisions about accepting / refusing admissions may not be close to a data collection system to note the decision		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
PIC03	Domain 4: Ensuring that people have a positive experience of care	Cancellation of elective paediatric surgery	Cancellation of elective surgery on day of surgery	Cancellation of elective surgery due to bed unavailability	Number in denominator 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	Admission unit	PIC Unit	Run Chart	<5%	Low % is good		None		This indicator should be relatively easy to under take since Trusts are required to routinely collect cancelled operation information	
PIC04	Domain 5: Treating and caring for people in a safe environment and protecting them from avoidable harm	Emergency readmissions to PICU within 48 hours	Emergency readmissions to PICU within 48 hours of a previous discharge / transfer from PICU	48 hour emergency re-admission rate	Number in denominator readmitted to PICU as an emergency within 48 hours	Total number of discharges / transfer out from the PICU in period (excludes direct PICU to PICU transfers)	Quarterly	Quarterly	Core PAG or PIC Unit	Core PAG or PIC Unit	Run chart	12/13 is to set baseline %	Low % is good				This indicator could be verified by commissioners using their SUS data flows where providers flow paediatric intensive care data	
PIC05a	Domain 5: Treating and caring for people in a safe environment and protecting them from avoidable harm	Bed occupancy	Bed occupancy	PICU bed occupancy rates	Total number of occupied bed days (midnight census)	Number of commissioned PICU beds multiplied by days in period	Quarterly	Quarterly	PICANet	PIC Unit	Run chart	0.8	75% - 85% is ok, consistently above 85% needs scrutiny, any month above 100% needs commissioner review					
PIC05b	Domain 5: Treating and caring for people in a safe environment and protecting them from avoidable harm	Bed occupancy	Bed throughput	PICU bed throughput rates	Total number of admission to PICU in time period (each patient can count multiple times)	Number of commissioned PICU beds multiplied by days in period	Quarterly	Quarterly	PICANet	PIC Unit	Run Chart							
PIC06	Domain 5: Treating and caring for people in a safe environment and protecting them from avoidable harm	rate of accidental extubation of patients	Rate of unplanned extubation of patients/100 ventilated days	Unplanned extubation	Number of unplanned extubation events in patients in denominator	Total number of ventilated (via an endotracheal tube) bed days for patients in the PICU in the reporting period	Quarterly	Quarterly	PIC Unit	PIC Unit	Run Chart	12/13 is to set baseline rate	Low rate is good				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	
PIC09	Domain 5: Treating and caring for people in a safe environment and protecting them from avoidable harm	% of death review conducted within 3 months	Number of PICU deaths undergoing a timely formal review process	Timely death review	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	PIC Unit	PIC Unit	Run Chart	12/13 is to set baseline %	High % is good				Would expect the SUI reporting to also be replicated in Trust information	
PIC10	Timeliness of PICANET data submissions	% of data submissions within 3 months of discharge	PICANET expect provider information to be complete and accurate 3 months after patient discharge	Timely data reporting to PICANet	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	PICANet	PICANet	Run Chart	1	High % is good					
PIC12	Effective communication	% of handover letters to the next lead carer dispatched within 48 hours of discharge from PICU	It is important that effective and timely communication is supplied to receiving health care professionals following transfer / discharge from PICU	Timely care handover letter dispatch	Number of denominator who have discharge letter on departure	Number of patients transferred / discharged from the PICU	Quarterly	Quarterly	Local snap shot audit	PIC Unit	Run Chart	12/13 is to set baseline %	High % is good	Provider units are required to perform a snap shot audit of at least 10 discharges during the year as part of the NH&A notes audit and the results from that audit used for this measure				
PIC13	Retrieval service performance	% of refused requests for retrieval of a patient within defined catchment	Ability to deliver a comprehensive retrieval service	Number of requests (within defined catchment) for retrieval of a patient requiring PIC admission which are refused	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	Retrieval Service	Retrieval Service	Run chart	12/13 is to set baseline %	Low % is good					
PIC14	Domain 1: Preventing people from dying prematurely	Mobilisation of PIC retrieval team	Number of retrievals performed within the agreed mobilisation time	Timely mobilisation of PIC retrieval team	Number in denominator where the team departs the transport base within 1 hour from the start of the referral call during period	Total number of emergency retrievals undertaken in the reporting period	Quarterly	Quarterly	Retrieval Service	Retrieval Service	Run Chart	0.95	High % is good				Local data capture will be required to confirm that the retrieval team was mobilised within time.	Target set low deliberately to assess true performance in 12/13.