



Paediatric High Dependency Core Data Index

Data Item, Basis, Explanation, Values and Origin

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Data items: 20

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REFERENCE DATASETS

BND	Birth Notification Data Set
CAR	WM Congenital Anomalies Register
CCICIC	Standards for the Care of Critically Ill & Critically Injured Children in the West Midlands
CDS	Commissioning Data Set
CEMACH	Confidential Enquiry into Maternal and Child Health
CMDS	Commissioning Minimum Data Set
HES	Hospital Episode Statistics
NSC	National Screening Committee
ONS	Office for National Statistics
SS	SureStart

REFERENCE MATERIAL

High Dependency Care for Children Report of an expert advisory group for Department of Health 2001

http://www.dh.gov.uk/PublicationsAndStatistics/Publications/PublicationsPolicyAndGuidance/PublicationsPolicyAndGuidanceArticle/fs/en?CONTENT_ID=4010058&chk=GcyIXt

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A. DEMOGRAPHIC DETAILS

DATA ITEM	NHS Number of patient
BASIS	Unique person identifier
EXPLANATION	Unique identifier for use at local level and for record linkage in patients receiving care in more than one unit and for subsequent outcome data
INPUT OPTIONS	3-3-4 numerical format
DATA ORIGIN	BNDS, CDS, CEMACH, HES

DATA ITEM	Postcode of patient at time of care episode
BASIS	Identification of residence at time of admission
EXPLANATION	To derive geographical distribution of patients Link to district code to compare with ONS data To derive deprivation score
INPUT OPTIONS	Alphanumerical format (Post Office Preferred Format)
DATA ORIGIN	CAR, CDS, CEMACH, HES, SS

DATA ITEM	Date of birth
BASIS	Date of birth
EXPLANATION	Required to derive age for analysis by age at death
INPUT OPTIONS	DD/MM/YYYY
DATA ORIGIN	BNDS, CDS, CEMACH, HES

DATA ITEM	Gender
BASIS	Phenotypic classification of appearance of sex of patient at admission
EXPLANATION	Required to analyse outcome by sex
INPUT OPTIONS	<i>Mutually exclusive</i> Male Female Not specified Not known
DATA ORIGIN	BNDS, CDS, CEMACH, HES

DATA ITEM	GP code
BASIS	Unique GP identifier
EXPLANATION	Requirement for commissioning
INPUT OPTIONS	Linked to National GP database
DATA ORIGIN	BNDS, CDS, HES

DATA ITEM	Practice code
BASIS	Practice location identifier
EXPLANATION	Requirement for commissioning
INPUT OPTIONS	Linked to National GP database
DATA ORIGIN	BNDS, CDS

B. COMMENCEMENT OF HD CARE DATA

DATA ITEM	Commencement date of HD care
BASIS	Date at which an inpatient episode of care commences
EXPLANATION	Used in the calculation of number of care days given. Required to analyse patient age at admission and discharge, length of stay Assists in record linkage in patients transferred between units
INPUT OPTIONS	DD/MM/YYYY
DATA ORIGIN	HES

DATA ITEM	Source of referral
BASIS	Each separate care episode of the patient on the paediatric high dependency area
EXPLANATION	Required to analyse outcome differences between patients. Describes movement of a high risk patients
INPUT OPTIONS	<i>Mutually exclusive</i> Home This hospital – same ward This hospital – other ward (free text) Other hospital (free text) Hospital at home
DATA ORIGIN	HES

C. MONITORING AND SUPPORT DATA

DATA ITEM	Advanced Respiratory Support
BASIS	A record of need for advanced respiratory support
EXPLANATION	Identifies whether patient required paediatric high dependency care
INPUT OPTIONS	<i>Non-mutually exclusive</i> Care of intubated patient (ETT only) Postoperative Tracheostomy during the first 24 hours Other artificial airway Mechanical ventilation including CPAP, CNEP, PEEP and CPAP via face mask
DATA ORIGIN	CCICIC Standards

DATA ITEM	Basic respiratory monitoring and support
BASIS	A record of need for basic respiratory monitoring and support
EXPLANATION	Identifies whether patient required paediatric high dependency care
INPUT OPTIONS	<i>Non-mutually exclusive</i> Care of long term tracheostomy Other artificial airway (e.g. guedel airway, nasopharyngeal airway) Oxygen 60% or more at any time Oxygen 40% or more at any time in neonate less than 28 days Nebulised medication >1 per hour for >6 hours (e.g. salbutamol, adrenaline) Four apnoeic episodes within 12 hours requiring stimulation Care of chest drains for the first 24 hours Monitoring (combined ECG and oxygen saturations) Postoperative tonsillar and adenoidal bleeds
DATA ORIGIN	CCICIC Standards

DATA ITEM	Circulatory Support
BASIS	A record of need for circulatory support
EXPLANATION	Identifies whether patient required paediatric high dependency care
INPUT OPTIONS	<i>Non-mutually exclusive</i> Cardio Pulmonary Resuscitation in the last 24 hours Intravenous fluid bolus – greater than 20mls/Kg on any occasion Arterial line monitoring Central Venous Pressure monitoring Inotropic support (e.g. dobutamine, dopamine, adrenaline) External cardiac pacing – using a pacing box Hourly urine output Hourly blood pressure recordings or close visual observation Bleeding (e.g. concern over volume of blood loss)
DATA ORIGIN	CCICIC Standards

DATA ITEM	Neurological Monitoring and Support
BASIS	A record of need for neurological monitoring and support
EXPLANATION	Identifies whether patient required paediatric high dependency care
INPUT OPTIONS	<p><i>Non-mutually exclusive</i></p> <p>Continuous neuro-observations</p> <p>Continuous seizures for >1 hour</p> <p>Intra cranial pressure bolt monitoring</p> <p>Intraventricular catheter insitu – for drainage/monitoring</p> <p>Patient receiving Patient Controlled Analgesia (concern over sedatory effects)</p>
DATA ORIGIN	CCICIC Standards

DATA ITEM	Renal Support / Fluid Balance
BASIS	A record of need for renal support and fluid balance monitoring
EXPLANATION	Identifies whether patient required paediatric high dependency care
INPUT OPTIONS	<p><i>Non-mutually exclusive</i></p> <p>Peritoneal dialysis</p> <p>Multiple infusions</p> <p>Fluid replacement (e.g. naso gastric losses, drain losses, insensible losses)</p> <p>Multiple blood products</p>
DATA ORIGIN	CCICIC Standards

D. HD Outcome

DATA ITEM	Status at conclusion of HD care
BASIS	Record of patient status at conclusion of HD care
EXPLANATION	An important outcome indicator
INPUT OPTIONS	<i>Mutually exclusive</i> Alive Dead
DATA ORIGIN	CEMACH

DATA ITEM	Date of death
BASIS	A record of the date of death of the patient
EXPLANATION	Used to calculate duration of survival. An important outcome indicator which has resource implications
INPUT OPTIONS	DD/MM/YYYY
DATA ORIGIN	CEMACH

DATA ITEM	Time of death
BASIS	A record of the time of death of the patient
EXPLANATION	Used to calculate duration of survival. An important outcome indicator which has resource implications
INPUT OPTIONS	HH:MM (24 hour clock)
DATA ORIGIN	CEMACH

DATA ITEM	Cause of death
BASIS	A description of cause of death of a patient
EXPLANATION	An important outcome indicator
INPUT OPTIONS	As per Medical certificate of cause of death ONS
DATA ORIGIN	CEMACH, ONS

DATA ITEM	Post Mortem examination
BASIS	A record of whether post mortem performed
EXPLANATION	Used to determine post mortem rate and refusal rate
INPUT OPTIONS	<i>Mutually exclusive</i> No No – consent declined Yes
DATA ORIGIN	CEMACH

DATA ITEM	Discharge destination
BASIS	Record of disposition of patient on completion of episode of care on paediatric high dependency area
EXPLANATION	Allows analysis of movement of patients within hospital and within region or Network. Assists record linkage of patients who move within a hospital and between hospitals.
INPUT OPTIONS	<i>Mutually exclusive</i> Home This hospital – other ward (free text) This hospital – adult ICU This hospital - PICU Other hospital – PICU (free text) Other hospital – ward (free text) Hospital at home
DATA ORIGIN	HES

DATA ITEM	Conclusion date of HD care
BASIS	Date on which inpatient completes an episode of care either because of discharge or death
EXPLANATION	Used in the calculation of number of care days given. Required to derive length of stay and to assist in record linkage
INPUT OPTIONS	DD/MM/YYYY
DATA ORIGIN	CDS, HES