

PICANet Dataset Update: Changes to the PICANet Admission dataset

Background

The Paediatric Critical Care Minimum Data Set (PCCMDS) provides a record of what happens to a patient when they receive paediatric critical care in a Paediatric Intensive Care Unit (PICU).

Version 2 of the Paediatric Critical Care Minimum dataset was released on September 7th 2016. It maintains the daily intervention items introduced in Version 1.0 (2007) and introduces 6 additional values to the critical care activity code, one of which (High flow nasal cannula therapy) is already collected by PICANet.

The aim is to collect additional information about the high dependency level care which takes place in PICU, including care given to children receiving long term ventilation. Daily data needs to be completed each day within the critical care period. A day is regarded as a calendar day midnight to midnight.

Additional data items

The 5 additional daily interventions added to the PICANet dataset are:

- Arrhythmia requiring intravenous anti-arrhythmic therapy
- Status epilepticus requiring treatment with continuous infusion of anti-epileptic drugs
- Reduced consciousness level (GCS \leq 12 AND hourly (or more frequent) GCS monitoring)
- Epidural catheter in situ
- Continuous intravenous infusion of a sedative agent

The sixth variable, High Flow Nasal Cannula Therapy, is already collected in the PICANet daily interventions data as the maximum daily flow in litres per minute. This will be provided as a binary field in the PCCMDS download.

Implementation date

It is hoped that PICUs will be able to collect this data from 1st December 2016. This is the mandated start date from NHS Digital. PICANet will send out a survey in the New Year to determine what date you started collecting the new data.

It will be possible to enter the new variables on PICANet Web from 1st December.

Data collection forms

Data collection forms have been sent week ending 25th November 2016.

PLEASE COULD YOU DESTROY EXISTING FORMS AND USE THE NEW ONES FROM NOW ON. IT DOES NOT MATTER IF YOU ARE NOT COLLECTING THE NEW DATA AS THESE ARE JUST ADDITIONAL VARIABLES ON THE FORM

Data definitions and technical documentation

The revised data definitions manual (version 5.1, 16/11/2016) is available on the PICANet website. An updated .xml schema for PICUs who use their own data collection software and wish to modify their files for upload is available from our database manager, Lee Norman (l.j.norman@leeds.a.cuk).

PCCMDS Version 1.0 and Version 2 downloads for submission to SUS

PICANet will maintain the version 1 download that will provide grouped data in a format that can be submitted to SUS. A Version 2 download will be made available in the New Year.

Additional information

More details about the Paediatric Critical Care Minimum dataset (version 2) can be found at:

<http://content.digital.nhs.uk/isce/publication/sci0076>