

# ABOUT PICANet

PICANet was established to develop and maintain a secure and confidential high quality clinical database of paediatric intensive care activity in order to:

- Identify best clinical practice
- Monitor supply and demand
- Monitor and review outcomes of treatment episodes
- Facilitate healthcare planning and quantify resource requirements
- Study the epidemiology of critical illness in children

The core dataset of demographic and clinical data on all admissions, collated by PICANet, allows comparison of PICU activity at a local level with national benchmarks such as PIC Standards. This dataset provides an important evidence base on outcomes, processes and structures that permits planning for future practice, audit and interventions.

PICANet has also expanded its data collection to include the referral and transport of children who need paediatric intensive care. This enables us to compare and audit important aspects of care for these children.

## Selected PICANet data for the UK and Republic of Ireland.

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|---|-------|
| Proportion of deaths in PICU out of all admissions (2018)   | 3.7%  |
| Annual admission rate (per 100,000 population per year; 2016-18)  | 143   |
| Proportion of accepted referrals for PIC transport (2016-18)  | 92%   |
| Completeness of case ascertainment (2018)   | 99.4% |
| Completeness of patients' admission data within 3 months of their discharge from the unit (2016-18)   | 79.9% |
| Retrieval mobilisation times within an hour (2018)  | 78.2% |
| Proportion of PICUs meeting recommended standard of 7.01 Whole Time Equivalent qualified nurses to staff one level 3 critical care bed (2018) | 9%    |
| Proportion of emergency readmissions within 48 hours (2018)   | 1.7%  |