

Pupil Reaction Quality Improvement Project using PICANet data: from the PICU team at Royal Hospital for Children and Young People, Edinburgh



During the PICANet data cleaning in late 2022, the Royal Hospital for Children and Young People, Edinburgh were noted to have a large number of unknown pupil reaction recorded in the PIM3 data collection. Following this, the PICU team implemented a successful QI project which is described by their Data Manager.

Until the middle of 2021, the Pupil Reaction was recorded for around 46% of our patients. Following a prompt by the PICANet team, informing us that our level of recording was far below the national average, we started on a Quality Improvement project. The nurses, trainee doctors and ANPs were reminded to record the pupil reaction as part of the patients' admissions to the unit via emails, nursing updates and safety briefs. As a result the levels of Pupil Reaction recording improved to an average of 75%.

Our PCCU data team then discussed initiatives to make further improvements, and in August 2022 Pupil Reaction was added to the electronic Nurses' Admission documentation. This was accompanied by further reminders and teaching to nursing and medical staff and since then the Pupil Reaction has been recorded for on average 95% of patient admissions.

Throughout the project we have shared charts showing the recording levels and we will continue to use these on a regular basis to monitor for sustained improvement.

