

Etiometry's Quality Improvement System

The Quality Improvement System (QIS) is a core component of the Etiometry Platform. The QIS is an application that provides long-term storage and accessibility of clinical data for research, quality improvement, and reporting initiatives.

All data that is collected by the T3 Software is stored in this permanent database for high-fidelity, normalized, clinical data for single site and multi-center studies. The QIS incorporates a proprietary-database architecture which enables fast retrieval of high volumes of ICU data for any number of current and former patients using standard database queries.

Key Features



Data Repository

Creates a permanent database of all patient data collected by T3 and from other data sources.



Automated Reporting

Ability to track patient groups, performance metrics, clinical events, and protocol management.



Flexible Architecture

Scales to research needs by normalizing data from other sources and allows rapid analysis with popular statistical software applications.



Optimized Performance

A multi-layer database design enables fast retrieval of high volumes of clinical data.

Clinical Research

The QIS clinical data archive is an ideal resource for single site and multi-center collaborative research. The system architecture captures data securely and expedites the research process. System design allows seamless integration of data from other sources and merges with external databases. Etiometry's system engineers and data science team provide technical and research support for all levels of clinical research.

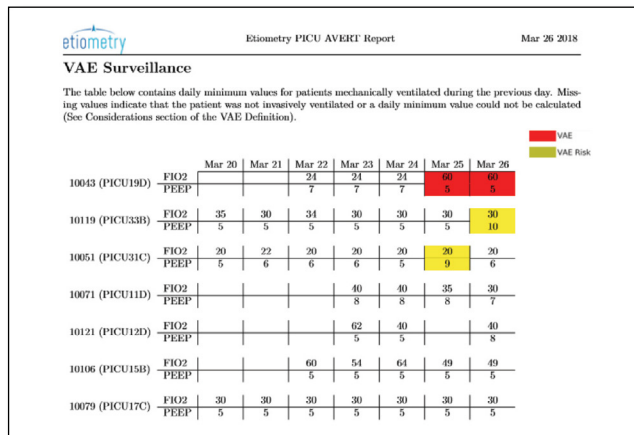
Quality Reporting Capabilities

The Automated Reports feature provides users with quality metrics to track clinical performance and events. Mechanical ventilation reports are one example of automated reports the Etiometry data science team can create and customize.

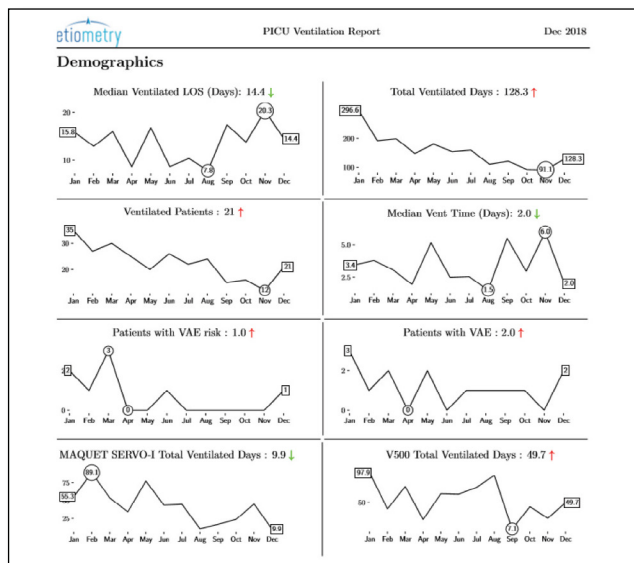
Reports on Mechanical Ventilation

- **Daily Report:** Provides information on the current number of patients requiring mechanical ventilation and metrics tracking of Ventilator Associated Events (VAE)
- **Monthly Report:** Provides metrics on mechanical ventilation in a specific unit and a summary of ventilator-weaning activities

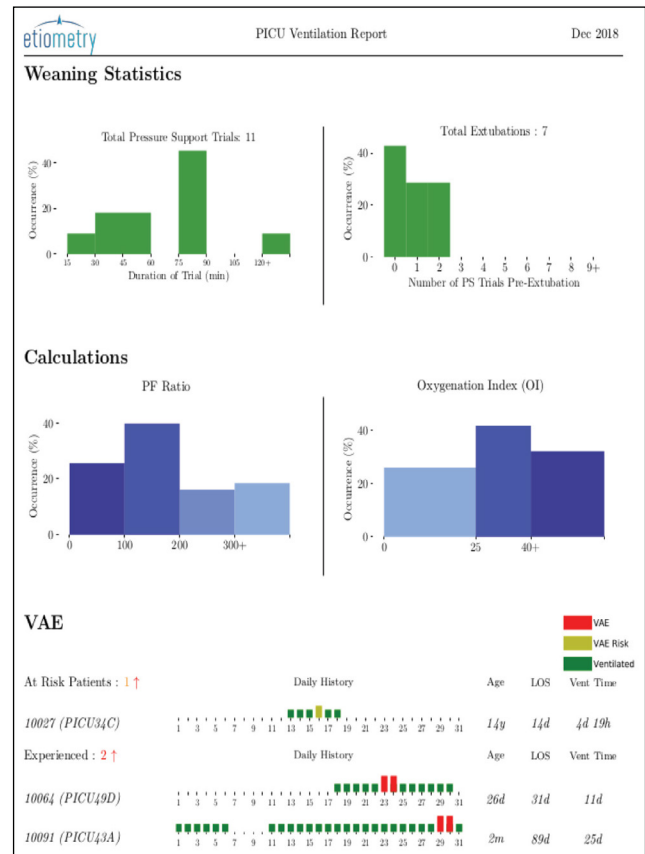
Daily Report



Monthly Report



Monthly Ventilator Weaning Metrics



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