

Automate care escalation and de-escalation decisions



The only platform that reveals deep insights into patient physiology, helping critical care teams deliver **standardized and individualized care**.

SIMPLIFY COMPLEX CARE

- Get a holistic view of patient data from all systems to inform care escalation and de-escalation decisions - from the bedside, remotely, or via a central command center.
- View early warning signs of deterioration with continuously updated patient risk algorithms.

STANDARDIZE WORKFLOWS

- Automate the standardization of workflows and drive consistent timely adherence to hospital-specific guidelines, which are embedded into the platform.

IMPROVE QUALITY AND EFFICIENCIES

- Power continuous improvements and clinical research with quick and easy access to a normalized database.



THE ETIOMETRY PLATFORM

Clinical Intelligence for High-Acuity Care Teams

ETIOMETRY BY THE NUMBERS

150+

studies enabled by Etiometry

Decrease ICU readmissions by up to

41%²

150+

million hours of deidentified patient data

Reduce ventilation time by up to

22%³

88%

of nurses say Etiometry makes their job easier⁴

Reduce length of stay (LOS) time by up to

36%¹

9 FDA

clearances

FIND SIGNIFICANT COST SAVINGS AND INCREASE REVENUE

Early recognition of both patient deterioration and improvement can optimize the patient journey, improve their outcomes and reduce the most-costly part of the hospital stay. Ask your Etiometry representative for a calculation of the savings and revenue opportunity Etiometry could bring to your site.

Etiometry is utilized by some of the world's top academic medical centers as well as leading children's hospitals ranked by US News and World Report and Newsweek.

Vendor Neutral

Integrates with existing architecture



Epic **FHIR**

Quality & Security

Certifications



13485 and 27001

Unlock the potential to automate care escalation and de-escalation decisions



REFERENCES 1. Salvin et al, AHA '17 2. Gaies et al, Circulation '23 3. Borasino, S. et al. (2023) Automated Extubation Readiness Tool is Associated with Improved Outcomes Following Pediatric Cardiac Surgery. World Congress of Pediatric Cardiac and Cardiac Surgery 4. Lowry, NASA TLX survey analysis from PCICS abstract

ETIOMETRY CLINICAL DATA HIGHLIGHTS

The Etiometry Quality Improvement Application (QI App) currently utilizes more than 150 million hours of de-identified patient data and has supported more than 150 quality improvement initiatives. Here are some highlights that demonstrate ways the Etiometry platform is improving healthcare delivery.

Etiometry Utilization and Reduction in Length of Stay

- 18% reduction in LOS: Gaies, M. (2023) Methods to enhance causal inference for assessing impact of Clinical Informatics Platform Implementation. *Circulation: Cardiovascular Quality and Outcomes*.
- 36% reduction in LOS: Salvin, J. et al. (2017) The Impact of a Real-Time Physiologic Data Analytic Index on Length of Stay in Neonates Following Surgery for Congenital Heart Disease, *Circulation*.

Etiometry Utilization and Reduction in Readmissions

- 41% reduction in unplanned ICU readmissions: Gaies, M. (2023) Methods to enhance causal inference for assessing impact of Clinical Informatics Platform Implementation. *Circulation: Cardiovascular Quality and Outcomes*.

Etiometry Standardizes the De-escalation of Care

- 22% Reduction of time on mechanical ventilation: Borasino, S. et al. (2023) Automated Extubation Readiness Tool is Associated with Improved Outcomes Following Pediatric Cardiac Surgery. WCPCCS.
- 18% Reduction of time with vasoactive infusions: Salvin, J. et al. (2023) Use of a Risk Analytic Algorithm to Inform Weaning from Vasoactive Medication in Patients Following Pediatric Cardiac Surgery. WCPCCS.

Etiometry's ID02 Index (FDA-cleared risk algorithm), used as a part of a bundle, leads to focusing attention on patients at highest risk (33%), capturing up to 62% of all cardiac arrests

- Zaccagni, H. et al. (2021) Abstract 11370: Track and Trigger system based on patient analytics for cardiac arrest risk identification. *Circulation*, 144.

Etiometry Utilization and Early Warning of Hyperlactatemia

Etiometry's HLA Index (FDA-cleared risk algorithm) showed a strong positive association with elevated lactic acid with a ROC of 0.95, providing the bedside clinician with an early, non-invasive warning of impaired oxygen delivery.

- Asfari, A. et al. (2023) A Near Real Time Risk Analytics Algorithm Predicts Elevated Lactate Levels in Pediatric Cardiac Critical Care Patients. WCPCCS.

Etiometry Utilization and Nurse Satisfaction

- Lowry, A. NASA TLX survey analysis from PCICS (2020) abstract:
 - 88% say Etiometry makes their job easier, the platform is easy to use and helps them do tasks in fewest possible steps
 - 79% say Etiometry saves time

For deeper insights into any of the 150 studies that utilize Etiometry's QI App, please contact your Etiometry representative or info@etiometry.com.

WCPCCS: World Congress of Pediatric Cardiology and Cardiac Surgery
PCICS: Pediatric Cardiac Intensive Care Society