EV1000 Clinical Platform

What you need. When you need it.
The EV1000 clinical platform from Edwards Lifesciences presents the physiologic status of the patient in an intuitive and meaningful way. Designed in collaboration with and validated by clinicians, the EV1000 clinical platform offers you scalability and adaptability for both the OR and ICU.

The EV1000 clinical platform enables you to choose the parameters needed to monitor your patients and may be used with a variety of Edwards advanced hemodynamic monitoring tools for an integrated Edwards Critical Care System.
Choice

The EV1000 clinical platform provides the choice of the parameters you want to view and how you want to view them. The platform may be used with the Edwards advanced hemodynamic monitoring portfolio as outlined below. Further, the platform provides a choice of screens so that you may view the parameters in a manner most meaningful to your clinical situation for visual clinical support.

ClearSight Finger Cuff
(Noninvasive)
The ClearSight system extends the benefits of hemodynamic monitoring to moderate and high-risk surgery patients and noninvasively provides continuous hemodynamic monitoring including SV, SVV, SVR, CO and continuous blood pressure.

FloTrac Sensor
(Minimally-Invasive)
The FloTrac sensor easily connects to any existing arterial catheter and automatically calculates key flow parameters (CCO/CCI, SV/SVI, SVV, SVR/SVRI) every 20 seconds, making it the practical and reliable solution for hemodynamic optimization in moderate to high-risk surgery.

Edwards Oximetry Central Venous Catheter
The Edwards oximetry central venous catheter continuously monitors central venous oxygen saturation (ScvO₂), which may be useful for the treatment of sepsis.

VolumeView Set
(Transpulmonary Thermodilution)
The VolumeView set provides volumetric parameters (EVLW, GEDV, GEF, PVPI, ITBV) and continuous, calibrated hemodynamic parameters (CCO/CCI, SV/SVI, SVV, SVR/SVRI).
Visual Support

Visualized Physiology
The EV1000 clinical platform presents patient hemodynamic information clearly and simply. Color-based indicators communicate patient status at a glance, and visual clinical support screens allow for immediate recognition and increased understanding of rapidly changing clinical situations to help you make more informed decisions.

Real-time Physiology Screen
The animated physiology screen visually depicts the dynamic changes occurring in your patient. By delivering parameters visually as well as numerically, the EV1000 clinical platform allows you to more easily determine the root cause of a particular situation, further assisting and guiding your clinical decisions.

Heart size reflects patient volumetric status
Vasculature can depict vasoconstriction or vasodilation
5 levels of lung water shown in lungs

Heartbeat reflects current heart rate
Flow of blood cells represents cardiac output
Replicated patient position on Frank-Starling curve

Continuous Physiology Screen
Intermittent Physiology Screen
**Hemodynamic Optimization**

Monitoring and optimizing Stroke Volume (SV) by fluid challenges during the surgical procedure is a strategy that may reduce postoperative complications.

Stroke Volume Variation (SVV) measured can be used to tailor fluid therapy. Cardiac output measured continuously can be used (in combination with SaO₂ and hemoglobin) to monitor and calculate DO₂. These advanced hemodynamic parameters, when combined with a Perioperative Goal-Directed Therapy (PGDT) protocol, are key to maintaining the patient in the optimal volume range.

**Perioperative Goal-Directed Therapy Screens**

The EV1000 clinical platform guides volume administration to reduce variability and help you keep your patients in the optimal volume range.

Time-in-Target indicator facilitates Perioperative Goal-Directed Therapy (PGDT) compliance, helping the user to track and manage key parameters, and create and monitor customized protocols. The Time-in-Target indicator represents the accumulated percentage of time a parameter has been maintained within target range during an active tracking session.
Guiding Platform

The EV1000 clinical platform provides a choice of screen options to provide immediate insight to aid your therapeutic interventions. Presenting the physiologic status of the patient in an intuitive and meaningful way enables you to focus on your patient. Screen options include the real-time physiology screen (both intermittent and continuous), the cockpit screen, the goal positioning screen, graphical trend screens and the physio-relationship screen.

Graphical Trend Screen

The graphical trend screen allows you to select, place, and track interventions over time while providing key parameter trending data. The percent change indicator provides additional insight into the patient’s condition.

Physio-relationship Screen

The physio-relationship screen depicts the balance between oxygen delivery and consumption, allowing you to identify the root cause of the imbalance and the most appropriate intervention.
For over 40 years, Edwards Lifesciences has been helping you make proactive clinical decisions to advance the care of acutely ill patients across the continuum of care.

Through continuing collaboration with clinicians, ongoing education, and a never-ending quest for innovation, Edwards continues to develop smart hemodynamic management solutions that enable proactive decision support.

Visit Edwards.com/EV1000 to learn more