US Market Report for Anesthesia Monitors 2017 - MedCore

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Patients that receive anesthesia require careful monitoring as anesthesia affects the nervous, cardiovascular and respiratory system. Anesthesia monitors are multi-parameter systems used by surgeons and anesthesiologists to monitor a variety of critical vital signs during the administration of anesthesia. Anesthesia monitors can be found in every hospital setting that requires anesthesia delivery, including the preoperative space, the operating room (OR), and the post-anesthesia care unit (PACU). Anesthesia monitors are also used in labor and delivery suites to anesthetize expectant mothers undergoing C-section delivery.

While the parameters available on a typical monitor can vary depending on specific usage requirements, monitors typically include cardiac and hemodynamic monitoring, arrhythmia detection, monitoring levels of neuromuscular blockage and levels of consciousness and ventilation monitoring. Some monitors also include neurophysiological data, as well as gas exchange, metabolics and tonometry, to allow the physician a more complete view of patient status. Most anesthesia monitors are able to integrate fully with anesthesia delivery units (ADUs), forming a complete workstation, and these are often provided by the same vendor.

For the anesthesiologist, the anesthesia monitor works as an informational hub used not only to monitor the patient during the surgery but also to access their history, special requirements, test results and other vital information, further improving quality of care. As a result, the market will strongly favor anesthesia monitors that offer a high ease of use and interoperability, especially within the OR clinical setting.

Anesthesia monitors are typically found in a hospital setting or alternatively, an ambulatory surgery center (ASC), which can be viewed as the two main categories this market is divided into. Within each particular setting, anesthesia monitors can be categorized based on whether they are used for a preoperative procedure, within the OR, or within post-anesthesia care units (PACUs). A further segment is provided in the hospital market for labor and delivery suites, which, when present at a hospital facility, typically have anesthesia monitoring capabilities.
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ResMed
CAIRE Inc.
Becton Dickinson
GE Healthcare
Covidien
DeVilbiss
Invacare
Dräger
Teleflex
Fisher & Paykel
Inogen
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