

# OBIX Software Features with EHR Integration



*The OBIX system is a comprehensive, computerized system for central, bedside, and remote electronic fetal monitoring. The system is modular in design and includes archiving, strip annotations, interfacing and integration to hospital systems, and multi-facility support. Designed to be a strategic perinatal software solution, the OBIX system can be deployed in various environments utilizing much of the hospital's existing infrastructure.*

*Hospitals that choose to implement the features below can chart electronically in OB using their enterprise documentation system. Industry standard HL7 interfaces enable bi-directional exchange of clinical data for complete and efficient documentation. Single Sign-on, Patient Context, and Annotation Sync interfaces streamline interoperability.*

## **EFM Surveillance Capabilities**

The system's surveillance features provide strong visibility of patient EFM activity, vital signs, and key clinical elements (such as cervical exams) at a glance. Full screen surveillance gives the user the ability to quickly access an active trace and bring it into focus. The user can easily change the strip in focus by selecting another bed. The system is compatible with the triplet monitor and displays the FHR for each fetus on a single strip.

Central and bedside display screens can be customized to the hospital's choice of size, location, number of displays, and patient display format. Single or multi-department customized, electronic patient status board(s) are optionally available.

## **E-Tools for EFM Assessment**

The OBIX system's patented E-Tools were developed in collaboration with Lisa A. Miller, CNM, JD to provide OB care providers with fast, accurate assistance in the assessment of FHR baseline, variability, acceleration and deceleration and to apply NICHD definitions with confidence and clarity. The E-Tools include Baseline, 5 BPM Variability, 25 BPM Variability, 15x15 Acceleration, 10x10 Acceleration, and Deceleration tools. These tools help clinicians improve their practices, educate their staff, and promote patient safety in electronic fetal monitoring.

## **FHR Alerts**

The system provides default and user-definable FHR alert parameters with visual and (optional) audible indicators for each patient. Alerts are non-latching, auto-resetting, and are accessible from all OBIX workstations.

The multi-patient alert functionality provides an Other Beds Alerting (OBA) notification aside from bedside surveillance configuration, when multiple patients are alerting. This allows for quick access to a patients' status with the ability to switch views to the other active alerts to help increase patient safety.

## **Multi-Facility Support**

The OBIX system supports a central data repository of patient records for enterprise facilities. Each facility has full OBIX system functionality with the ability to view live patient traces across the enterprise. Allowing system availability even in the event of a WAN interruption/outage to the central data repository. Upon WAN restoration all data is synced with the central database.

### **Annotation Sync Interface**

This interface supports workflow desired by clinicians and the organization’s strategic goal of the EHR as the single source of truth. Note annotations are able to be entered, modified, or deleted in one system and the interface automatically receives/updates the data in the other system. The interface sustains providing a consistent clinical medical record.

### **Integration with EHR**

The OBIX system is easily integrated into a hospital’s IS environment, but can be configured as a stand-alone system. OBIX system security integrates with third-party Lightweight Directory Access Protocol (LDAP) services, ADT registration and other HL7 interfaces enabling bidirectional exchange of clinical data. Application programming interfaces (APIs) enable single sign-on and patient context capabilities. For more information, please request a copy of 06-03-001 OBIX and HIS EHR Interfaces.

### **Secure Archiving**

Records are archived to multiple RAID disk arrays ideally located in multiple locations. Configurations that utilize the existing customer infrastructure improves efficiency. In this case, primary storage is on the system’s server and secondary storage is on the customer’s infrastructure (SAN or NAS). All records are available for easy access, review, and accurate printing without the need for managing removable media (changing disks).

### **Convenient Remote Provider Access**

The OBIX system’s Remote Provider Access options offer physicians and other OB care providers secure, remote computer access to clinical information on all patients—around the clock, from home, office or clinic. A standard Web browser and the Internet are used to access and review clinical data as well as chart remote provider notes (remote provider charting is optional). Multiple layers of system security, hospital firewall, and individual user settings provide safe, relevant access.