MEDITECH’s Expanse Labor and Delivery solution gives clinicians the tools they need from perinatal through postpartum care, ensuring that mothers and their newborns have a comfortable, safe, and stress-free experience. It is fully integrated within the Expanse EHR, giving your labor and delivery care team access to one complete patient record at their fingertips during a patient’s perinatal, labor, delivery, and inpatient maternity stay.

Through this solution, labor and delivery care providers can access a longitudinal view of prenatal visit data, document assessments, concurrently view mother and baby information from the status board, and recall mother’s information into the baby’s record. Also, the care team can closely monitor the mother and baby trends and document labor progression on a single screen, leveraging the side-by-side views of the electronic fetal monitoring and flowsheet. If the delivery takes an unpredicted turn and a c-section is warranted, a link to quickly access Expanse Surgical Services is available right from the flowsheet. Furthermore, you can use our predictive surveillance to monitor perinatal and acute data in the background, and establish criteria for flagging labor and delivery care providers of high-risk pregnancies (e.g., eclampsia, hemorrhage, etc.).

Prioritize Labor and Delivery Patients Efficiently

Expanse is fully mobile and integrated, enabling care providers to quickly review and document patient data at their convenience, on whichever point-of-care device (e.g., smartphones, tablets, laptops, or other handheld mobile devices) they choose. Status boards and patient lists are used to streamline workflow, coordinate direct patient care, facilitate workload management, and communicate patient handoffs. From the moment their shift begins, nurses can use their status board to immediately identify patients in active labor, how well each patient’s labor is progressing, who needs help right now, and which patients are higher acuity. The status board includes quick-launch tools for clinicians to open the patient chart, document assessments, and administer medications as well as view clinical notifications, new orders, and results. Authorized caregivers can quickly access the information and functionality they need with minimal taps, for safe and seamless transitions from Labor and Delivery through to postpartum.

Our Labor and Delivery solution provides a standard Labor and Delivery Status Board and Mother/Baby Status Board. These boards include an indicator (bassinet/carriage icon) when a mother has one or more newborn accounts linked in registration. Tapping on the indicator for any of the linked accounts will launch our solution’s combined Mother/Baby Status Board, so different clinical data for a mother and her newborn(s) can be viewed simultaneously. Users who have the ability to open more than one chart at a time will be able to open the linked charts simultaneously to see all scheduled tasks and activities for both the mother and baby. In addition, organizations can build an unlimited number of additional customized status boards to display the appropriate patient data, such as scheduled upcoming and overdue tasks to treat the
needs of labor and delivery, maternity, and nursery patients. Authorized care providers can continually modify their status boards to meet evolving patient needs, and have access to multiple status boards based on their roles within the organization.

Below shows an example of a standard Labor and Delivery Status Board:

![Labor and Delivery Status Board](image)

Below shows an example of our Mother/Baby Status Board:

![Mother/Baby Status Board](image)
Document Labor and Delivery Care

When the patient is admitted for delivery, your labor and delivery care team can view all historical prenatal visit data (e.g., patient problems or risks such as gestational diabetes, preeclampsia, or hypertension) together for trending. The prenatal data from our Expanse Ambulatory solution can be recalled into the acute documentation to save time. Prenatal documentation can include the patient’s visit history, expected delivery plan, calculations for estimated date of delivery, and exam results.

To streamline the documentation of labor, nurses can use our dynamic Labor and Delivery flowsheet, which maximizes the use of space, expanding to your device’s screen size to display all selected clinical data for the progression of labor, however short or long. On the flowsheet, nurses can concurrently select and view a variety of care items as well as the order in which they display for trending labor. Based upon user preference, nurses can save different care items for different patients, such as unique care documentation and standards of care for more high-risk patients. The flowsheet also includes decision support tools to guide patient care (e.g., induction checklist protocols — appearing as pop-ups — or reminders to document the delivery summary when documenting that the baby has been delivered).

While in the flowsheet, care providers can choose from several widgets to display relevant data from current and prenatal visits — including snapshots, orders, upcoming tasks, and messages from the worklist. Widgets appear above the flowsheet and minimize the need to navigate multiple screens. Flowsheet widgets can display interactive, real-time alerts, personalized notes, and confirmed information from the electronic patient record. For example, the perinatal widget can display prenatal care that occurred prior to admission, such as ACOG data points, projected delivery date, etc. for nurses to view within their labor documentation. In addition, care providers can create snapshots, containing several expandable widgets for succinct handoff communication at shift change or transfer.
To closely monitor a mother’s progression, nurses can also pull discrete data into the flowsheet from patient and fetal monitors (e.g., mother’s blood pressure, fetal heart rate, contractions) while documenting dilation. To save nurses time during documentation and provide a seamless labor workflow experience, MEDITECH Expanse bi-directionally shares discrete clinical data with other vendor fetal monitor systems through standard HL7 interfaces and single sign-on (SSO). With a single tap, labor and delivery care providers can launch a viewer to access the electronic fetal monitoring within the flowsheet. This enables nurses to review and document care for the mother while also seeing what is happening with the baby in one location, and evaluate trends concurrently. Fetal monitoring data, such as heart rate and contraction detail, files either manually or automatically to flowsheet documentation based on your fetal monitor vendor of choice. MEDITECH can interface with any HL7-compliant fetal monitor vendor and the integration is currently available with OBIX, GE Medical Systems, and PeriWatch. MEDITECH is also working with Philips Medical Systems for future availability.

Furthermore, complications during labor and delivery can cause mothers and babies to need intensive care. Our predictive surveillance capabilities can identify these patients who may be at risk of requiring complex care within the ICU and NICU units (e.g., mothers with postpartum hemorrhages) using our integrated Critical Care solution.

Manage Labor and Delivery Surgical Services
Nurses will also be able to launch our Expanse Surgical Services solution from the Labor and Delivery flowsheet, to quickly document C-Section details (if necessary). Your organization can design surgical documentation templates unique to the needs of a Caesarean section patient, from preoperative to PACU. Each staff member involved can document on his or her own portion of the surgical record, enabling the scrub care providers to document patient preparation while the anesthesiologist documents the epidural.
Facilitate Postpartum Mother and Newborn Documentation

Upon delivery of the baby, clinicians have seamless access to the newborn record for continuous neonatal documentation to include delivery summary, plans of care, and breast milk tracking capabilities. To ensure accuracy and save time when a newborn account is admitted within Registration, pertinent information (such as demographic and insurance data) automatically defaults into the newborn's chart directly from the mother's chart. Any clinical assessment data captured via queries during labor and delivery (e.g., APGAR scores, and fetal heart rate) can also be recalled from the mother’s chart into the baby’s chart.

To enhance patient interaction and minimize disturbances to new families, Expanse Point of Care enables nurses to quickly document vitals, conduct feeding assessments, administer medications, assess pain, etc. from a smartphone or other handheld mobile device. For example, nurses can quickly assess a mother's postpartum depression risk in an unobtrusive way, by using a small device that fits in their pocket. Additionally, your maternity care providers not only have access to a real-time EHR to view labor and delivery documentation on their point-of-care device, but also to integrate with secure messaging capabilities for quick communication with the care team. During transitions, patient status boards and patient lists act as convenient handoff communication tools, containing lists of patients assigned to each care provider, as well as location, unit, and real-time information associated with the patients' care plans.

MEDITECH’s shared, interprofessional discharge process begins at the point of admission to ensure mothers and babies have the necessary care information post-discharge. The centralized discharge routine ensures that mothers and babies have the appropriate obstetrical follow-up appointments, referrals, education, medications, equipment, and support teams all in place. The patient’s entire care team works together to document their responsible care plan items, to comprise the patient’s discharge plan and instructions for both mothers and babies.

Experience Full Patient Engagement

To facilitate continuity of care, our Labor and Delivery solution provides one system for capturing women's health, delivery, and newborn information in real time, across multiple care settings. While your obstetrical staff will benefit from our fully integrated, interoperable MEDITECH EHR for optimal labor and delivery workflow, your patients will benefit from the highest level of coordinated care, quality face-to-face time with care providers without interfering with new family time, and access to their own personalized patient portal. Using our Patient and Consumer Health Portal, patients can message their care providers, view visit histories, download medical summaries, read/print educational materials (e.g., breastfeeding and Cesarean recovery instructions), schedule follow-up appointments, respond to questionnaires, request medication renewals, and pay bills. By actively engaging your patients post-labor and delivery, you will ensure that mothers and newborns will experience better long-term outcomes while receiving all the follow-up care they need to thrive.

For more information, contact a MEDITECH Marketing Consultant.