Delivering the next generation of care

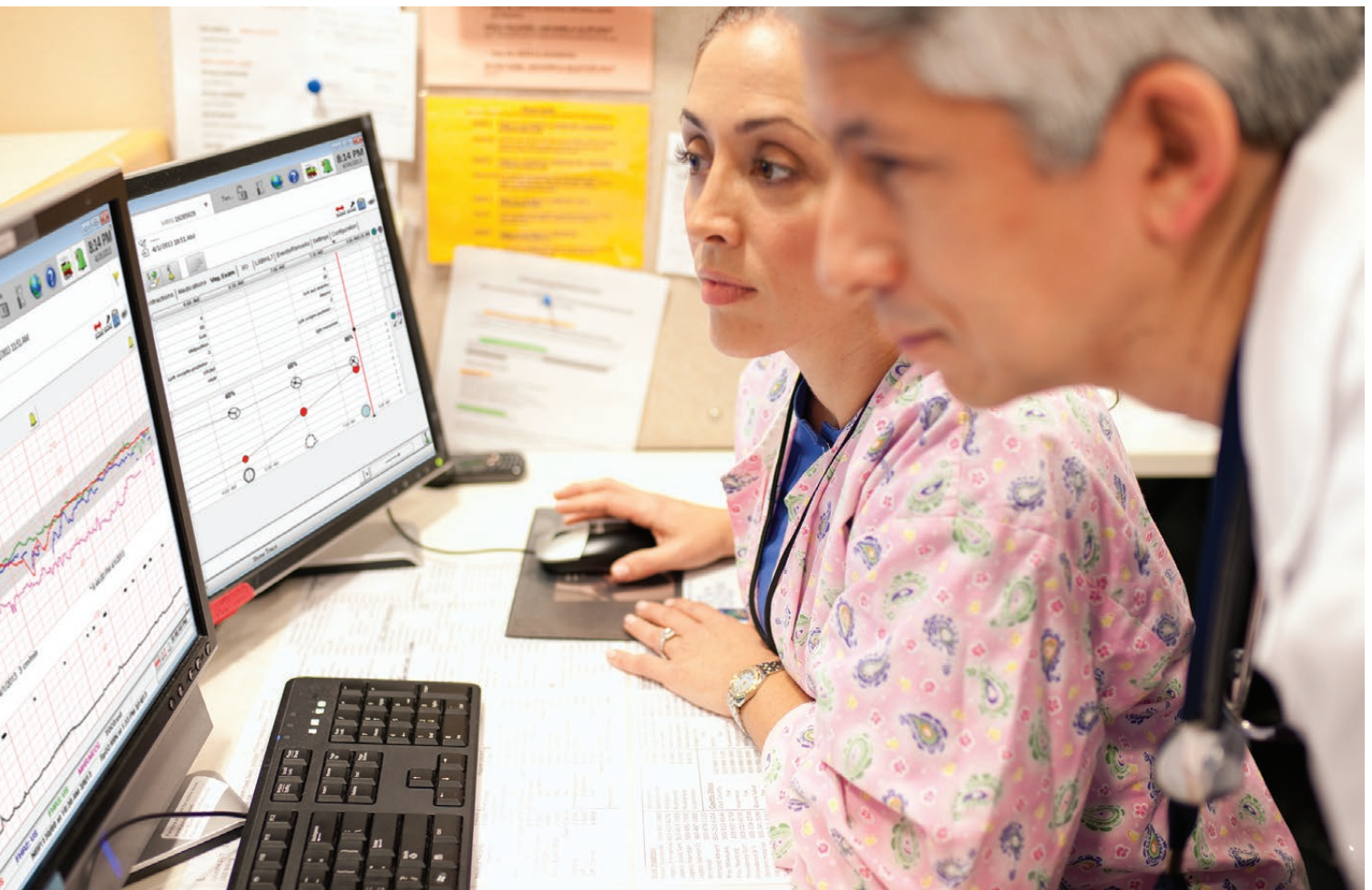Philips IntelliSpace Perinatal information system

PHILIPS

Philips IntelliSpace Perinatal information system

IntelliSpace Perinatal (formerly known as OB TraceVue) is designed to provide comprehensive coverage across the obstetrical care continuum – from the first antepartum visit through labor, delivery, postpartum, discharge, and follow-up visits. That's why more than 2,000 hospitals worldwide trust IntelliSpace Perinatal as their perinatal information system.

The IntelliSpace family of clinical informatics solutions uniformly supports the analysis, interpretation, and presentation of critical patient data throughout the patient care continuum. With IntelliSpace Perinatal, we've focused on creating an experience that streamlines workflow – giving clinicians access to data at the point of need, and encouraging consultation with colleagues.

Philips is well positioned to support your perinatal clinical, business, and strategic IT objectives. Our 40-year legacy of leading innovation in electronic fetal monitoring gives Philips deep insight into the pressing needs of hospital leaders, risk managers, clinicians, and IT directors.

IntelliSpace Perinatal truly helps you deliver Perinatal Excellence.

Supporting Perinatal Excellence for mothers and babies

It's your mission – and it's our mission to help you achieve that excellence.

Philips IntelliSpace Perinatal helps you simplify clinician workflow, improve financial outcomes, and deliver a healthy new generation through excellent care for mothers and babies. Here's how we do it:

- A streamlined interface supports efficient clinical workflow, and cross-team communications (such as flags and reminders) help clinicians efficiently deliver patient-focused care.

- Built-in professional standards of care and dropdown pick-lists go through protocols step by step.

- The Patient Profile screen helps give clinicians the data they need to make informed decisions during labor on a single, easy-to-read screen.

- A wide array of hospital system interfaces support access to a unified patient record for both maternal and newborn patients from wherever it's needed – whether in the hospital or from a clinician's mobile device.

- Advanced statistical reports provide a clear view of what is happening at the bedside to help clinical and administrative leaders make informed decisions.

- Obstetrical surveillance innovation addresses the pressing concerns of today's risk managers.

- Enhanced scalability, support for IPv4 and IPv6, the ability to run in a virtual environment, and improved remote management all support your evolving network.

- Flexible clinical screens allow the clinician to tailor the screen to meet a specific clinical need, such as configuration of the partogram display.

Avalon Fetal Monitors

Fetal Monitoring

HIS interfacing

Standards-based practices

Clinical decision support

Mobile access

Advanced reporting

Unified patient record

Risk mitigation

Patient-focused care

Improved care team communications

Perinatal Excellence
IntelliSpace Perinatal

Perinatal Excellence is enhancing care team communications and patient-focused care

Display of the status of the mother and fetus provides the foundation for the maternal and fetal record. This record is updated with data from physiological monitors and analyzed by IntelliSpace Perinatal.

The user can monitor changes in the condition of the mother or baby during labor. The two info-panels on the Patient Profile dashboard screen provide a summary of prenatal, obstetric, and medical history as well as fetal status information and recent labs.

In addition, the Patient Profile screen displays the labor curve, maternal blood pressure, heart rate, temperature, pain, and bleeding. Clinicians can get the information they need, right when they need it – so they can make more informed decisions during labor.

For reassurance that clinicians are monitoring the correct patient, advanced cross-channel verification for Philips fetal monitors detects coincidence between fetal and maternal or between multiple fetal heart rates.

The IntelliSpace Perinatal fetal strip often serves as the primary vehicle for communication among the care team during labor. Clinicians annotate the strip with time-synchronized events, such as IV placement, epidural injection, and medication administration, so that care team members are aware of the course of care for the patient.

For as long as you retain patient records, archived information can be readily accessed and retrieved.

Enhanced clinical information display
Unlike many charting systems, IntelliSpace Perinatal provides an enhanced clinical information display platform that facilitates the acknowledgement of time-sensitive alarms, such as basic tachycardia and bradychardia conditions at at a central station and from in-room locations.

Pattern analysis algorithms allow clinicians to track baseline changes, decelerations, accelerations, and contractions. The system can also identify conditions such as low or absent variability and track late decelerations, sinusoidal patterns, and tachysystole as defined by the National Institute of Child Health and Human Development (NICHD).

Alarm conditions, including identification of basic tachycardia and bradycardia conditions, can be displayed on the strip for easy viewing.

IntelliSpace Perinatal and Philips Avalon fetal and maternal monitors are a powerful combination

- Provides monitoring and alarming support for mother with triplets on one strip
- Facilitates flexible fetal monitor connectivity through classic and LAN options
- Uses buffers to reduce data loss upon network disconnect
- Offers centralized and bedside alarming for fetal and maternal conditions
- Allows automatic upload of traces across multiple patients to IntelliSpace Perinatal[1]

- Leverages the Avalon fetal cordless transducer system for exceptional mobility and comfort
- Smart Pulse fetal and maternal monitoring technology allows automated coincidence detection (cross-channel verification)
- Avalon with Smart Pulse means having continuous maternal documentation when toco transducer is connected

Perinatal Excellence is mitigating risk through standards-based care

Documenting the care provided during pregnancy and birth is vital in demonstrating the quality of care delivered to both maternal and newborn patients. The newborn record is especially important because it must remain available in many cases for 18 or more years and serves as a definitive legal record.

The stakes are high and accurate documentation is key. According to the American Society for Healthcare Risk Management (ASHRM), practicing standards-based medicine is one way to improve quality and reduce risk.

IntelliSpace Perinatal delivers a complete, out-of-the-box configuration to support compliance with professional care standards and best practices for antepartum, intrapartum, postpartum, and newborn care. With IntelliSpace Perinatal, you get a redesigned workflow-inspired layout that allows for easy navitation, pre-populated terminology, and a range of tools with flags and reminders to support best-practice compliance assessment and enhanced communication. These tools include pick-list items, flow sheet configurations, exams, assessments, and procedures. In addition, reports and logs provide the critical information needed by quality, business, and risk management leaders.

Supporting improved care team communication

The Joint Commission's Sentinel Event Alert[2] points to communication problems as the root cause in a majority of evaluated infant death and permanent disability cases. IntelliSpace Perinatal's support for clinical workflow and cross-functional communications encourages a multi-disciplinary approach to patient care, which can be a key driver to improve quality of care and mitigate risk.

IntelliSpace Perinatal allows users to create customized chalkboards designed for the needs of each care unit. The chalkboard feature can display all patient information at a central desk location allowing for clinicians to discuss care plans prior to entering the labor room, enhancing communication and coordination across the bedside care team. The chalkboard can be continuously updated from the labor room, displayed at the nursing main station, and with remote view, clinicians can view only their care group..

[2] http://www.jointcommission.org/sentinel_event_alert_issue_30_preventing_infant_death_and_injury_during_delivery

The **IntelliSpace Perinatal Excellence** configuration takes into account standards and best practices as recommended by today's leading organizations, including:

- Institute of Health Improvement (IHI) elective augmentation and induction bundles
- Braden Skin Assessment
- Joint Commission's Perinatal Care Core
- Measure Set for exclusive breastfeeding, cesarean section, antenatal steroid use, and health-care-associated bloodstream infections in newborns
- World Health Organization (WHO) and UNICEF Baby Friendly Hospital Initiative measures
- Association of Women's Health, Obstetric and Neonatal Nurses (AWHONN) domestic violence and post partum depression screenings
- Ballard newborn maturity assessment
- NICHD standardized nomenclature for cardiotocography
- Institute for Safe Medication Practices (ISMP) high-alert medication recommendations

Perinatal Excellence is accessing a unified record where and when it's needed

Flexible mobility

IntelliSpace Perinatal supports easy, flexible access to maternal and fetal status from home, office, clinic, or patient bedside – even from smartphones and other mobile devices.*

Flexible access to patient information can help support clinicians in providing timely identification of troublesome strips of vitals, which allows adjustments to the treatment plan, even when away from the hospital or clinic.

Enhanced scalability

To help institutions continue to expand their IntelliSpace Perinatal deployments and to support customers who wish to consolidate hardware, IntelliSpace Perinatal can run in a virtual environment using VMWare. You can use VMWare to restore your operating system from a backup, replace and recover a VM or create a new VM with a clone, run two copies of the same VM on two hosts, analyze performance, and automatically restart your VMs at a disaster recovery site.

Exceptional interoperability

With reliance on industry standards and specifications, the IntelliSpace Perinatal system easily integrates into hospital IT environments.
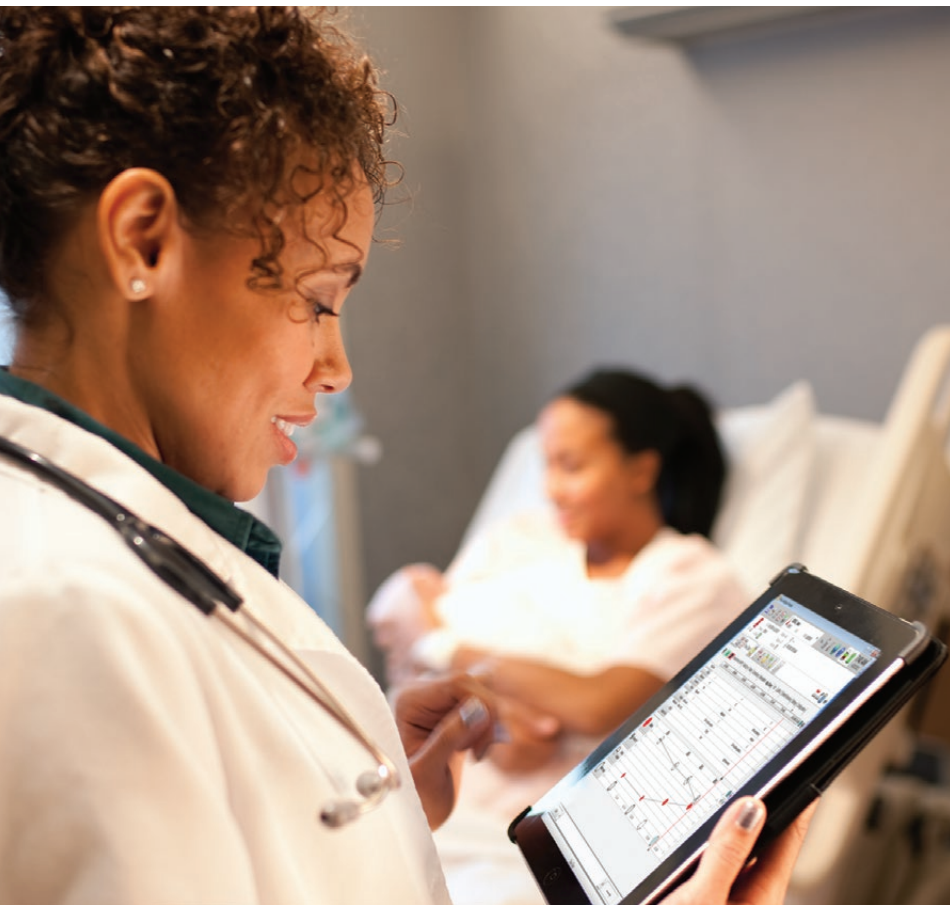
The full range of IntelliSpace Perinatal inbound and outbound interfaces supports the flow of information between hospital information systems and the Electronic Medical Record (EMR) to maintain a current and unified record for each patient.

A comprehensive inbound ADT interface and Laboratory Information System (LIS) interface improve efficiency of data management, help reduce double charting, and potentially reduce errors in data transcription. The ADT interface also includes automatic update of critical patient allergy information.

To provide hospital-wide charting systems with current patient data, the outbound IntelliSpace Perinatal interface regularly exports a configurable set of flow sheet data including vital signs, derived fetal heart rate parameters, and notes.

Workflow-based events automatically trigger the export of episode of care documents, including fetal traces, admission, visit, and discharge summaries for integration into a clinical document repository (CDR).

The SQL-based IntelliSpace Perinatal Data Warehouse allows researchers to perform cross-patient analyses using their institution's preferred reporting tools and data warehouse applications.

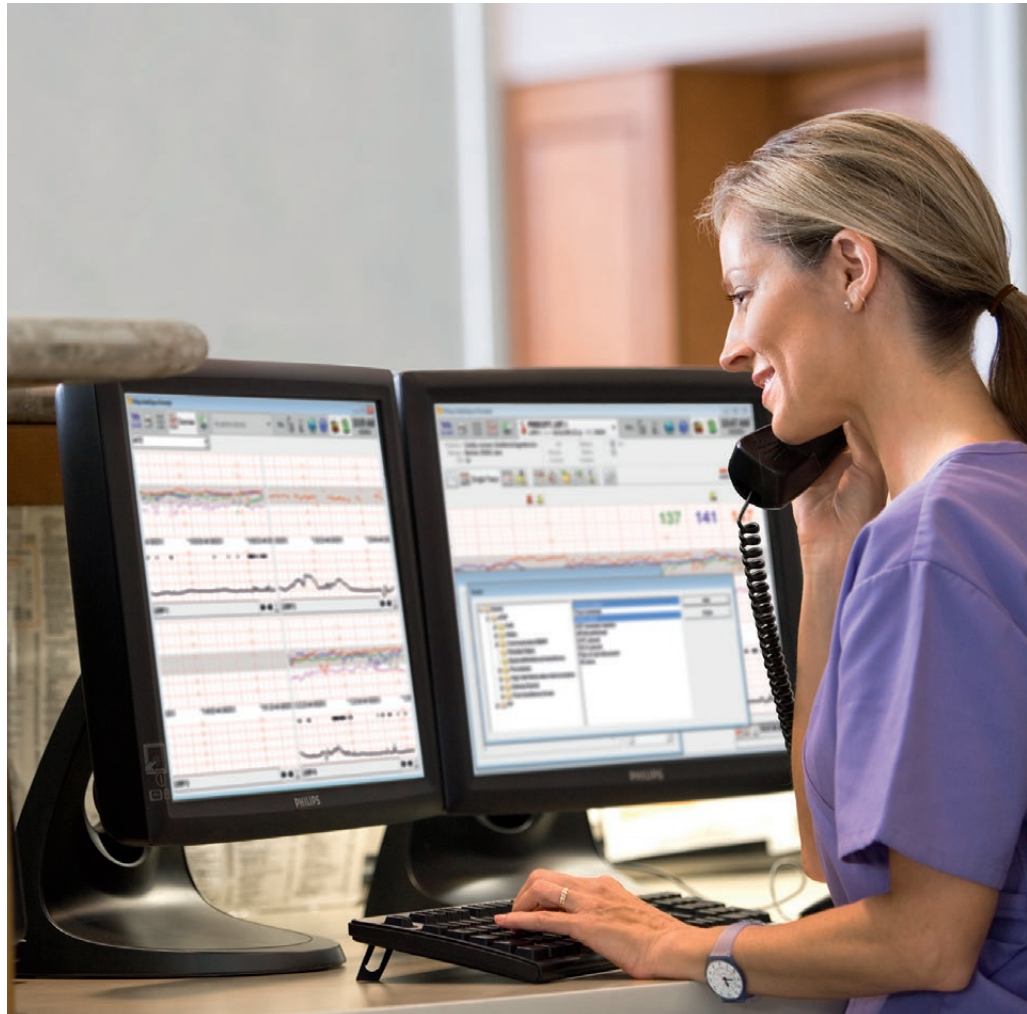* Depending on hospital security protocols, access to network, or wifi.

Perinatal Excellence is transforming care

From the very first visit all the way to the NICU, IntelliSpace Perinatal supports the care continuum from the very first antepartum visit through delivery, postpartum, discharge, postpartum follow-up, newborn nursery, and GYN visits, across one or multiple pregnancies.

To support newborns requiring care in the NICU, IntelliSpace Perinatal interfaces with the Philips IntelliSpace Critical and Anesthesia Portfolio. This provides the timely delivery of critical newborn data to NICU personnel planning for the care of a vulnerable newborn during a time when every second matters.

Our highly experienced and qualified service and support team is comprised of physicians, nurses, and technical consultants. We're ready to guide you through each step as you prepare to implement your IntelliSpace Perinatal system, and can provide ongoing collaboration to meet the evolving information system needs of your care team and business well into the future, as workflow changes and best practice requirements are updated.

Philips understands that empowering your journey to perinatal excellence is a process; we have the tools and expertise to work with you to plot the course toward achievement of your goal.

**Philips Healthcare is part of
Royal Philips Electronics**

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IntelliSpace Perinatal (formerly OB TraceVue), Version H.00.10. CC-1112-595210-1
https://www.cchit.org/show-onc-cert?certid=a015000000fnE9KAAU

Please visit www.philips.com/IntelliSpacePerinatal