

Support clinical workflow and document management of patient care

Release J technical data sheet

Philips IntelliSpace Critical Care and Anesthesia (ICCA) is a clinical informatics solution that provides clinical decision support and supports patient care documentation.

This version adds important features for

- deploying the solution across a campus or even a hospital group (multi-tenancy)
- providing data analysis and reporting capabilities which include advanced self-service visualizations
- supporting the calculation of goal based nutrient intake information

Specializing in the complex acuity care environment, ICCA provides a set of HL7 interfaces that supports the exchange of information with other documentation systems to enable accurate patient documentation throughout the continuum of care.

IntelliSpace Critical Care and Anesthesia is a clinical documentation and decision support solution that includes:

- Flowsheet
- Calculations engine
- Clinical advisories
- Device interfacing
- Interoperability
- Anesthesia record
- Notes and forms
- Radiology orders
- Laboratory, Microbiology and pathology results
- Dietary and nursing orders
- Order management
- Infusion management
- Adverse Drug Events (ADE) – through interfacing with third-party knowledge vendors
- Trend upload from Philips monitors
- Self-service clinical intelligence



IntelliSpace Critical Care and Anesthesia

Clinical documentation

ICCA is a document-based, clinical solution that integrates views of patient data, orders, and continuing clinical care with clinical decision support across the enterprise. ICCA assembles information, helping you to make informed decisions, warning about potential adverse events and enables accurate patient documentation.

Flowsheet

Use the flowsheet to document and review data and make patient care decisions. The flowsheet aggregates vital signs, bedside device data, lab results, intake and output data, observations, nursing assessments, and procedures in a configurable view, specialized for each care unit. Flowsheets can also be used as code sheets, specialty care sheets for respiratory therapy and dialysis, and nursing assessment records.

Calculations engine and clinical advisories

The ICCA calculation engine supports the design and computation of physiological, duration, statistical, and drug calculations. The engine also generates clinical advisories that provide surveillance of a patient's status through the execution of configurable rules. Uses of advisories to focus on different clinical objectives include adherence to hospital-specific care initiatives, such as ventilator-associated pneumonia. Advisories can process data entered into the patient's chart and provide onscreen notification of changes to the patient's condition.

Clinical acknowledgement of the advisory is standard.

Adverse drug event identification

ICCA's Medical Reference module displays adverse drugs, allergy contraindications, or inappropriate drug therapies when a drug order is entered. ICCA can interface with your medical reference solution to provide the patient data that the third-party solution requires to define and identify potential adverse events.

Device interfacing

In order to enable the acquisition of bedside device data, ICCA can interface with medical device interoperability solutions like Philips PatientLink and CapsuleTech Medical Device Information Platform (MDIP)*.

Compliance with the HL7 Standard

ICCA supports interfacing with hospital image and clinical data repository systems for inclusion in the hospital EMR implementation. ICCA is compliant with HL7 standards for interoperability with existing hospital systems including ADT, Labs, Document Export/Import, Orders and Order Results, and Patient Data Export/Import. Local laboratory interoperability is enhanced with the addition of ASTM and LIS2 protocol support.

*Philips PatientLink and CapsuleTech MDIP (formerly called SmartLinx MDIP) are sold separately

Anesthesia record

Focused on anesthesia workflow and documentation, the user interface is based on a departmentally configured set of case templates that lead the anesthesia caregiver through the process of retrospective documentation. This process includes transfer of the record between preoperative and operating room environments and customizable workflows transitioning care to post-surgical caregivers.

Radiology orders

ICCA allows users to accept and process radiology orders from within the system. The solution supports the Radiology Order type for the clinician workflow.

Microbiology and pathology results

With ICCA, users can accept and store pathology and microbiology data sent from a Hospital Information System (HIS) to support clinician workflow. The Data Import interface has increased capability to accept microbiology data and store microbiology results as interventions in the system.

Microbiology data properties include isolate organisms, specimen source, specimen site type of susceptibility, list of drugs tested for susceptibility, susceptibility interpretation, susceptibility result value, result status, collection date and time, ordering provider, and accession number, value, and unit of measure.

Pathology data properties include, but are not limited to, observation date and time, procedure name, impression, and ordering provider.

Notes and forms

The Notes and Forms feature replaces paper-based hospital forms completed for patient care and assessment. Notes and Forms are hospital-customizable to support a hospital's departmental, clinical, and medical records requirements for patient care documentation. Common uses of Notes and Forms include patient demographics, admission assessments, discharge summaries, progress notes, consult notes, preoperative evaluations, nursing preoperative evaluations, and diagnostic reports. The dynamic pre-anesthesia evaluation (PAE) form streamlines data entry by presenting only those questions required for specific patient demographics and clinical situation.

Order management

The Order Management functionality provides Physician Order Entry for multiple order categories, integrated order administration documentation via the administration record, a worklist or flowsheet, and interfacing capabilities to the hospital Computerized Physician Order Entry (CPOE) system. Order reminders are enabled for overdue administrations and for orders requiring attention, such as verification, approval, or scheduling. Order Sets allow multiple orders to be selected in a single task instead of selecting each order individually. In the NICU, Fixed Volume Dosing for drip orders automatically adjusts the concentration when you adjust the infused drug rate, so the infused volume rate remains constant.

Dietary and nursing orders

ICCA supports the Nursing Order and Dietary Order types so users may accept and process nursing and dietary orders sent from HIS to support clinician workflow.

Infusion management

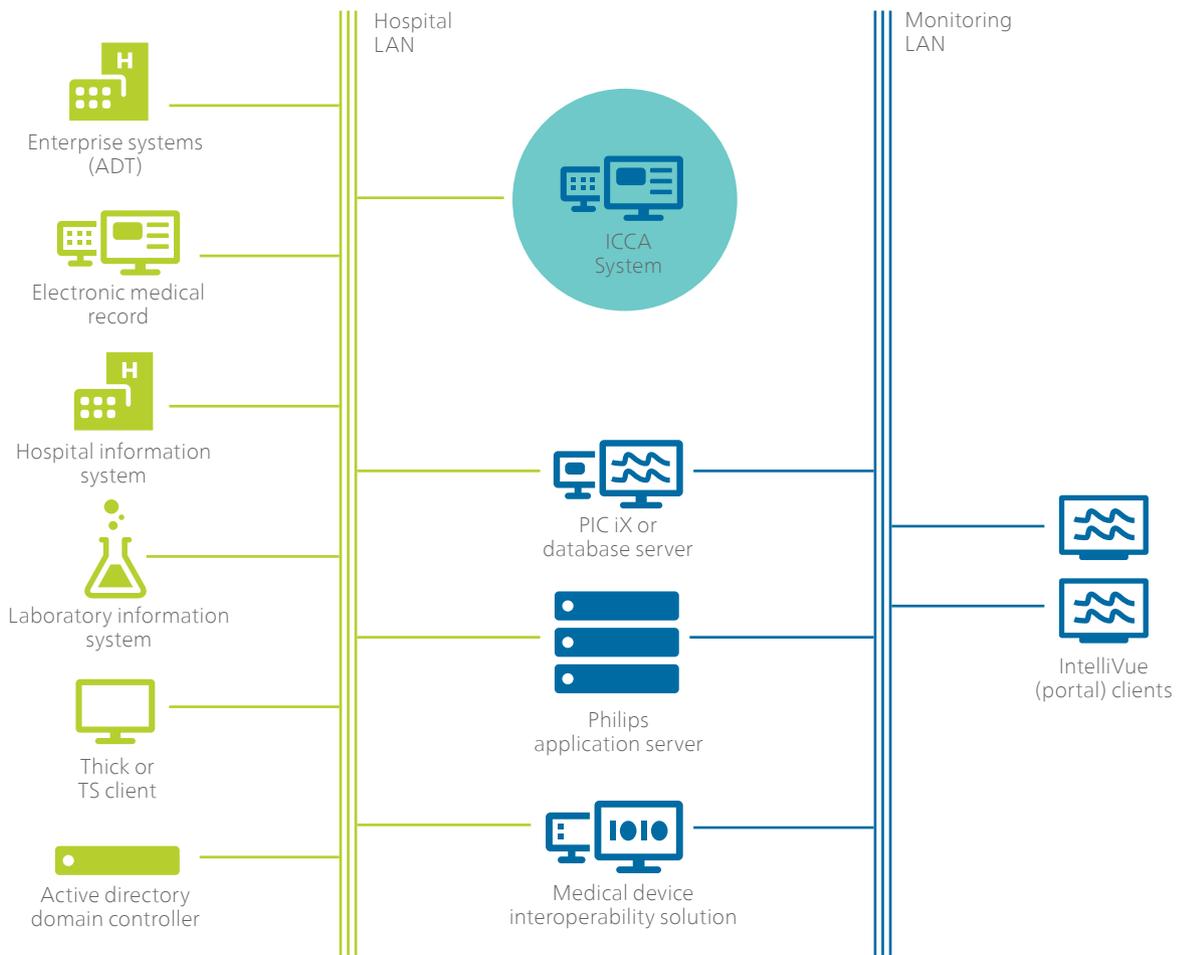
Infusion Management links infusion pumps to the patient chart using drug or solution, and documents volume, rate, and state information. Both manual charting and auto-charting of rate, dose, and volume are supported for continuous infusions and for bolus doses.

Trend upload

Trend Upload can transfer up to eight hours of stored vital signs and numerical data from the bedside monitor to Philips Patient Information Center iX (PIC iX), and transfers it to ICCA. This interoperability supports documentation throughout the continuum of care, including the ability to retrieve patient data captured during transport or after a critical event.

Self-service clinical intelligence

Self-service clinical intelligence tools enable clinicians to query the patient data charted in ICCA and perform data analysis, visualization, and reporting.



Operating systems and SQL compatibility

The following list shows the supported versions of the software required for the ICCA environment:

- SQL Server 2016 or SQL Server 2022
- Windows Server 2016 or Windows Server 2022, with Remote Desktop Services
- Windows 10/11 clients
- Visual Studio 2017
- .NET 4.8

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