



Pyxis™ ES platform solutions

Help simplify and standardize medication management



The changing landscape of medication management

As the healthcare industry evolves to meet growing care demands driven by national reform and expanded healthcare coverage, hospitals and health systems alike must adopt new approaches for reducing costs and improving clinical efficiency. From reimbursement provisions to sophisticated IT requirements to hospital system consolidation, today's complex challenges require flexible medication management solutions that span from the pharmacy to the point of care.

The Pyxis™ ES platform from BD is designed to address the changing landscape of healthcare and to usher in a new generation of Pyxis solutions. The new platform features enterprise-wide integration capabilities not previously seen in other medication management systems.

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A platform approach

The strength of Pyxis ES platform solutions

Pyxis ES platform solutions are designed to help you improve medication safety, streamline standardization efforts and reduce costs. Powered by the Pyxis Enterprise Server, the strength of the Pyxis ES platform lies in the ability to integrate with health information technology (HIT) across the health system. This integration supports centralized control of medication-dispensing systems and gives you the data you need—when and where you need it—for immediate decision-making and reporting.

A combination of hardware and software solutions, the Pyxis ES platform:

- Provides simple, patient-centric clinical workflows
- Increases security and medication storage capacity
- Leverages centralized configuration efforts across a health system
- Facilitates compliance with select regulatory requirements
- Enables meaningful HIT systems integration
- Reduces your IT footprint and enables leveraging of existing technology investments





Supporting the hospital and health system

Simple and efficient workflows

Focused on the patient

Cornerstone technologies of the Pyxis ES platform—the Pyxis Enterprise Server, the Pyxis MedStation™ ES system and the Pyxis Anesthesia ES system—offer a redesigned user experience. By reducing steps and integrating information, these systems save time and help keep the focus on the patient.

- Streamlined, patient-centric workflows increase medication safety and efficiency.
- New system enhancements help identify and reduce the risk of potential errors.
- The new user interface simplifies access to patient and medication data—all in one place.

Meeting the scale and integration needs of hospitals and health systems

The Pyxis ES platform provides flexible technology deployment options such as turnkey hardware, software-only and VMware®-ready that can grow with you in size, scope and capacity for years to come. The Pyxis ES platform is designed to increase uptime and minimize time spent managing redundant data.

Centralized system management

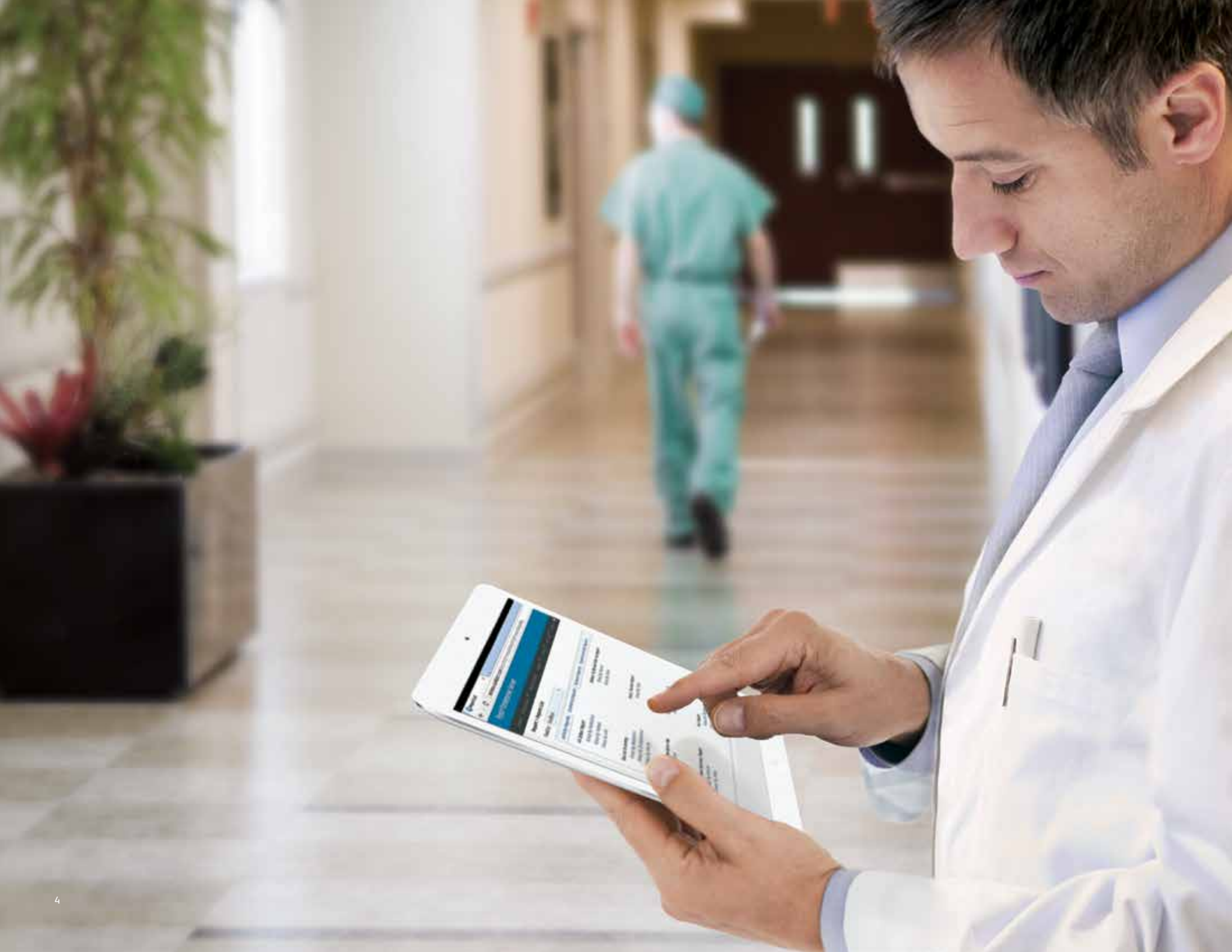
Through expanded management capabilities, hospitals can leverage:

- Web-based accessibility for system management and reporting from any hospital computer
- Synchronized barcode database management
- Standardized user privileges and security groups

HIT integration, available across an enterprise

Integration with HIT provides standardization and cost reduction through:

- Synchronization with the pharmacy information system (PIS), which results in a single formulary for the entire health system that can be adjusted as needed for each hospital
- Streamlined user management via sophisticated Active Directory® integration capabilities



Pharmacy advantages

Enhanced formulary management

Manage medications safely and efficiently.

Today's pharmacies demand systems that improve medication safety and save time. Integration between the Pyxis Enterprise Server and the PIS results in a synchronized formulary for the entire health system—which can be adjusted for each hospital.

Improved workflow

Drive efficiency beyond the pharmacy.

A new user interface helps pharmacy staff manage tasks more efficiently at the Pyxis MedStation ES system and the Pyxis Anesthesia ES system. Expanded scanning functionality helps ensure the right medications are loaded into the right system and dispensed for the right patient.

Flexible, web-based system

Gain access beyond the pharmacy.

Pharmacists are filling more of a clinical role and need to be mobile. Unlimited, web-based access to the Pyxis Enterprise Server from any browser on the hospital network enables system management from patient care areas—or wherever pharmacists need to be.

Simplified system user administration

Enjoy more control with less complexity.

Integrating user management with the hospital's Active Directory centralizes management and improves enterprise-wide visibility. Now, pharmacies can focus on user privileges—while allowing IT to manage individual user access. User roles can be established at the health system level for standardization.



Nursing advantages

Workflows centered on the patient

Simplify the caregiving process.

New user interfaces provide nurses with access to comprehensive medication and patient information located in one place, helping nurses get the information they need quicker than ever before. By starting at the My Patients screen in the Pyxis MedStation ES system, the workflow helps ensure nurses are always focusing on what's most important—their patients.

Speed with safety

Dispense in only four steps in five seconds.

The Pyxis MedStation ES system helps nurses dispense the right medication for the right patient at the right time. Safety enhancements, such as clearly highlighting patients with the same last name, help reduce the risk of potentially harmful errors.



Increased medication availability

Flexible, reliable, smart CUBIE™ pocket technology

The Pyxis MedStation ES system utilizes enhanced, smart CUBIE technology to improve efficiency and enhance medication safety. Half-height and full-height smart CUBIE pockets provide flexible, configurable capacity to store all types of medications, bringing more medications to care areas.



Anesthesia provider advantages

Streamlined medication management

Support the OR and procedural areas.

The Pyxis Anesthesia ES system offers customizable workflows specifically designed for anesthesia providers. It supports secure, quick access to medications and supplies, helping ensure providers have what they need for patients when and where they need it. By electronically capturing information on medication removals, returns and wastes, the system reduces time-consuming manual documentation.

Enhanced patient-centric workflow

Focus on the patient.

The Pyxis Anesthesia ES user interface integrates information into anesthesia provider workflows and eliminates steps, helping keep the focus on the patient. When providers need a medication for a patient during a case, they can access it from right where they are in the Patient Case screen without interrupting their workflow. Transitioning from one provider to another during a long case takes only two steps, helping maintain continuity of care.

Increased medication safety

Reduce harmful errors.

The Pyxis Anesthesia ES system offers a redesigned user interface that alerts providers to the potential for errors. Duplicate patient names are highlighted on the screen so providers can quickly recognize the need to take extra care when making their selection.





IT advantages

Enterprise-ready technology

Ensure industry-standard deployment, maintenance and monitoring programs.

Flexible deployment options such as turnkey hardware, software only and VMware-ready are available to fit the unique capacity, scope and IT environment of the hospital or hospital system. The Pyxis ES platform is designed for increased uptime and is built on the latest technologies, bringing more options with less IT support needed. System security can be managed by the hospital's IT department or by BD.

Industry-standard backup and disaster recovery solutions

Manage critical backup and failover within hospital protocols.

Integrating the system with IT procedures makes it more fault-tolerant for constant availability.

Highly configurable system management

Save time and standardize processes.

The health system is ideally supported through expanded management capabilities. For example, integration with Active Directory brings user management within IT control and reduces redundant systems.

Common interfacing functionality

Minimize the amount of IT infrastructure.

The CareFusion Coordination Engine, a software-based interface engine enabling centralized integration between Pyxis technologies and HIT systems, allows hospitals and hospital systems to add functionality, devices and new BD technologies as needs arise.

The Pyxis ES platform portfolio

The foundation of the Pyxis ES platform is composed of the Pyxis Enterprise server, Pyxis MedStation ES system, Pyxis Anesthesia ES system and Knowledge Portal. The platform enables continuous technology development and supports additional Pyxis solutions.



The Pyxis Enterprise Server supports standardization efforts that help you increase efficiency and reduce costs.



The Pyxis Anesthesia ES system extends the value of the Pyxis ES platform to the OR and procedural areas with efficient patient-centric workflows for anesthesia providers.



The Pyxis MedStation ES system integrates with HIT across the health system to help improve clinical and medication management processes for pharmacy and nursing.



The Knowledge Portal platform for medication dispensing quickly translates data into actionable information. With this intuitive web-based application, you can access data and key performance indicators in just a few clicks.

Proven technology. World-class customer support.

You can rely on BD to provide first-rate support for your Pyxis ES platform. Live phone support and field service assistance are available 24/7/365 to rapidly respond to any issue. Our various support programs offer a 24-, 8- or 4-hour guaranteed on-site response time (GRT). New remote diagnostic tools enable BD to connect to your Pyxis ES system, helping resolve many issues without the need to dispatch a technician for on-site support. BD provides software application updates, scheduled product maintenance and unlimited replacement service parts for the length of the support term. BD offers a knowledgeable, professional team that has one of the largest support staffs in the industry and also includes implementation teams, field specialists and technical analysts.

BD can help you maximize productivity and optimize technology by providing:

- Exceptional clinical support and industry experience
- Fully developed capabilities to increase the uptime of your Pyxis technologies
- Comprehensive life-cycle support of your product and service investments
- Enterprise-ready, IT-friendly technology with industry-leading maintenance and monitoring programs

To learn more about the new Pyxis ES platform, contact your BD sales representative.

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