

Datastream 7i and the Environment of Care



Environment of Care

The healthcare industry strives to provide an environment of care to their patients and staff. To create this environment of care, according to the Joint Commission on the Accreditation of Healthcare Organizations (JCAHO),

hospitals must develop and implement a “performance improvement framework” that manages process and systems for safety and security. This includes hazardous materials, emergency equipment, medical equipment and utilities management. Datastream 7i is designed to create an environment of care through managing and maintaining assets, including those critical to the healthcare industry.

The Solution

Datastream (now Infor) has a history of serving the healthcare industry by providing an asset management application to control and direct a healthcare facility's preventive and corrective maintenance efforts and support continuous improvement. Datastream 7i meets the objectives of the environment of care: to provide a safe, functional, and effective environment for patients, staff members, and other individuals involved in the healthcare arena.

Datastream 7i reduces administrative effort, increases staff effectiveness, enhances patient experience, and ultimately boosts facility efficiency, safety, and security through a series of features and modules.

> **Inspections:** The configuration of Datastream 7i is flexible and supports practically any type of inspection, such as a visual examination of emergency equipment or registering chemistry levels in physical plant fluids. Datastream 7i allows the user to establish a number of characteristics to be inspected—including basic functionality, pressure, temperature, weight, cycle length, speed, and more. Inspections can be pre-set based upon one or a series of inspection points and characteristics.

Datastream 7i also provides for critical inspection result values—when an inspection discloses a measurement that is outside the allowed value, the system can initiate a corrective work order automatically. The Inspection Module even has a feature that can accelerate the re-inspection of an item when the measured value is close to being out of specification.

> **Preventive Maintenance:** Datastream 7i includes a comprehensive preventive maintenance (PM) regimen. PM tasks can be set up for automatic release based upon the passage of time, such as every three months or upon the accumulation of usage, such as every 200 hours of operation. Each PM item can have an unlimited number of assets attached to it. For example, one work order can list the equipment to be serviced for multiple PM tasks. Inspection and calibration operations can also be included in the PM work order.

> **Calibration:** Datastream 7i offers detailed calibration functionality to help healthcare professionals keep



sensitive medical equipment such as dialysis and MRI machines in the safest condition possible. If equipment becomes out of calibration, technicians can easily trace back to the point of failure and prevent critical problems with life-saving medical equipment.

> **Assets:** Datastream 7i enables healthcare facilities to keep all information about assets—from heart monitors to fire extinguishers to bed linens—in one database for easy input and retrieval on activities, movements, and maintenance data. Datastream 7i tracks information on highly mobile equipment. By compiling asset data, such as location, cost history, warranties, claims, meters, permits, and documents, Datastream 7i helps maximize productivity, analyze performance, meet audit requirements, schedule preventive maintenance, and reduce capital expenses. For ease-of-use, Datastream 7i can also group equipment under pre-defined classifications, such as life safety or custodial services.

> Mobile Solutions: With Datastream 7i Mobile, staff can execute work, book labor hours, and note spare part usage on hand held devices. Device upload can even be tailored for specific users so that only information required by the selected users will be available. In addition, mobile workers can initiate, record, and update work items—such as emergency corrective maintenance discovered in the course of other maintenance assignments. Datastream 7i Mobile frees workers from fixed stations, allowing them to move from room to room or facility to facility and still record maintenance information and execute work items, which is particularly helpful in conducting inspections and tracking inventory.



> Datastream 7i Barcoding: As an extension of Datastream 7i Mobile, users can employ the latest barcode technology to label important maintenance items and scan in barcoded information rapidly and efficiently using their Datastream 7i Mobile device. In addition to faster data entry, barcoding improves the accuracy of data entry. One quick scan allows users to easily record and locate mobile equipment, from beds to defibrillators.

To further promote an environment of care, Datastream 7i also offers features such as electronic records and signatures for positive verification that critical operations have been performed and a Material Management Module enables a customer to run a world-class inventory process. Datastream 7i administrative security features meet or exceed the most stringent security requirements in the computer application industry, including the requirements set by the US Food and Drug Administration.

In addition to the features enumerated above, Datastream 7i includes powerful data gathering and processing capabilities, including comprehensive documentation for each operation executed within the system. Datastream 7i documents tasks, transactions, and a host of other critical business process items. This documentation supports internal review of business process and external audits.

- > Datastream 7i allows users to examine processes quantitatively with a view toward continuous improvement.
- > Datastream 7i records are thorough and immediately available. Datastream 7i comes with a broad range of canned reports to support a variety of audits including JCAHO reviews. In addition, Datastream 7i Advanced Reporting is a Cognos-based module that allows custom reports to be tailored for specific and unique needs. These new reports can be folded into Datastream 7i seamlessly without the need (and expense) of system customization.



Datastream 7i helps create an Environment of Care: optimizing patient service through efficient, user-friendly processes and non-stop improvement. To learn how Datastream 7i addresses the issues important to the healthcare industry, call

1.800.955.6775 (USA and Canada), 1.864.422.5001 (direct), or e-mail info@datastream.net.

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