

CARE™

CARE™ Health Care Facility Administration/Analysis and Management Solution is a GIS-based information management and analysis module used to provide accurate, up-to-date patient information for health care facility professionals who manage hospitals, nursing homes and special care facilities of virtually all sizes and complexity.

CARE™ GIS-based management and analysis solution provides instant access to a complete map of a health care facility including building layout, air control units layout, individual floors, operating rooms, common areas, visitor areas, and individual patient locations. The simplicity of the graphical user interface eliminates the need to memorize codes and abbreviations, and promotes accurate, uniform data entry with menu and table-driven options. CARE™ requires no prior knowledge of mapping, GIS theory, database administration, nor very much experience using a computer. It gives health care facility managers the tools they need to accurately map their facilities without hiring a full-time GIS person or even need to become one themselves. In addition to mapped details of a facility, the application provides access to maps of regions and evacuation street networks immediately surrounding a facility. Through computerized record consolidation and detailed maps and area facility overviews, health care and response professionals are able to better manage a facility both on a day-to-day basis as well as efficiently analyze and respond to unexpected incidents.

Ease Administrative Processes: The comprehensive application provides tracking tools for patient admission and care. The application documents a patient's personal information, insurance information, physician information, and Activities of Daily Living (ADL) care. A Medicine Inventory tool aids the purchasing department in keeping necessary supply quantity counts accurate and up-to-date.

Enhance Accountability: Confidently account for individuals by establishing real time tracking of visitors and the patient population while providing immediate visuals on beds and physician/nursing/aid staff. In the case of a "not accounted for" patient, calculate primary, secondary and tertiary search parameters while concurrently listing institutions in the search zone and providing a call out notification communication feature. The application provides a complete historical date/time of all visitors.

Promote Safety: Enhance overall safety of employees, health care workers, patients, visitors, and the community by utilizing safety features and options such as "photo" identification verification for positive identification and "video" surveillance of rooms for patient monitoring purposes.

Key Benefits and Features:

- * Share current and complete data among all authorized users
- * Track and summarize all health care treatment performed
- * Patient case history including physician notes
- * Track room movements
- * Record patients personal and professional visitors
- * Photo ID displayed on-screen for positive identification
- * Simplification and ease of work load
- * All historical data is immediately available
- * Present and historical roster for each room
- * Get a patient count with an instant accounting of every housing location providing accurate census records
- * Photo images attached to room assignments
- * Record all visitations including date and time-in/time-out
- * Monthly reporting functions including calculating and printing statistical reports
- * Saves time and eliminates errors by providing easily accessible information for safer, better-informed health care personnel
- * Minimizes demands on your IS staff through a web-based, HIPAA and JCAHO compliant environment
- * Supports quality improvement initiatives with its powerful easy-to-use analytic features
- * Helps health care facilities improve quality and administer their clinical care process
- * Saves time and money by using your existing information systems to automate data abstraction and data entry
- * Tier-level security options with the ability to share information with other departments, assured of complete privacy
- * Users can search for a record by viewing lists in a variety of sequences like partial name, federal ID number, previous admittance number, and date of birth
- * Print or view a complete history of personnel who accessed patients records and the jobs performed
- * Enter charges from multiple options, enter agencies for which a bill should be created, and track charges with no bill. Enter agency information once, and subsequent billing occurs automatically
- * An expandable system that allows a facility to save as many years of data as needed. A facility can add more terminals, printers, or disk space without losing or retyping information. Physicians, nurses, health care workers and administrators can add as many comments as needed

CARE™ accelerates the admittance process by enabling a facility to enter basic information when a patient/resident is admitted and allows the facility to complete the entry process in more detail at a later time. It handles room assignments, tracks patient/resident movements, activities, and events, and accounts for personal property, medicine, and inventory. The application provides immediate access to accurate, up-to-date, detailed information about patient population, including patient/resident physical descriptions, patient/resident personal information, emergency contacts, admit date, medical history and health assessment records, room assignments and capacity, visitation and visitor tracking, physician information, and discharge date. It includes a case history repository of photos, legal documents (such as DNR), admit information, physicians orders, medical reports, and charts that have been scanned and linked to patients' files.

CARE™ offers an comprehensive approach to collecting, reporting and submitting required data to JCAHO without burdening your IS staff, investing in extensive training, or having your staff spend valuable time on manual data entry. Move beyond meeting reporting requirements to effecting change. The analysis environment makes it easy to uncover the factors behind performance results, the first step in improving both process and outcome.

Description:

The program compiles all available information on patients/residents into a comprehensive database, including visitor logs, medicine dispensary documentation, physician prescription updates, patient/resident count and location, personal property logs, and test, treatment, therapy, and surgery schedules.

The easy to use buffer function allows management to support emergency personnel and relevant agencies in emergency patient assistance during a hazardous incident. Through an evaluation of the visually displayed primary, secondary and tertiary buffer zone areas that are calculated by the application according to the specific threat condition and the time since the incident occurred, management is instantly able to identify the number of patients it may serve as well as help direct patients to surrounding facilities. Other facilities may be contacted and informed of the incident.

The application records all locations where a patient/resident has been housed including all room-mates. This allows a facility to better track their patients/residents. It helps the facility decide which individuals should be kept isolated. This comprehensive logging can prove beneficial for the medical system by providing verification that a patient had contact with another patient, in the event a viral outbreak is reported.

There are several clear advantages to using a GIS-based application. First, this approach facilitates accurate latitude/longitude coordinates, providing for very precise calculations. Secondly, because the system is map-based, the level of network detail incorporated is very high. Thirdly, GIS provides a visual environment for the analysis. All facets of the analysis take place in a visual and interactive environment, from preparing the input data to analyzing the data. Finally, the visual environment provides a means of conveying highly technical information in a very straightforward and understandable manner.

Working with maps helps reveal new information that can impact housing decisions and influence marketing strategy. Through GIS, the ability to examine relationships that could not be seen before, gain new insights, and make better decisions is possible. The ability to see relevant data has a profound effect on the connections made and conclusions drawn from it. **CARE™** provides a solid, reliable decision-support system for integrating data, performing expert analysis, and visualizing results using presentation-quality maps and data displays.

DBS is a leader in (GIS) Geographic Information System technology and can design and implement systems to meet your current needs while also providing for expandability without unnecessary costs. Allow **DBS** to customize and implement **CARE™** as your Special Needs / Elderly Administration and Management Solution.