



Making Wireless an Indoor State of Mind



## ▶ Memorial Hospital North

### Memorial Health Creates Patient-Centered Facility Using State-of-the-Art Wireless Technology



Memorial Hospital North serves as a model healthcare facility with its mission of providing technology-enhanced, patient-centered care. Completed in April 2007, Colorado Spring's 224,000 square foot Memorial North showcases a full range of patient-centric innovations that keep guests comfortable and connected, including cutting-edge operating rooms, private patient rooms, medical libraries

and high-speed wireless internet access.

Early in the construction process, Memorial North executives decided to pursue wireless technology in order to increase caregiver productivity and improve clinical best practices. They had already begun building a high-tech healthcare facility and greater use of wireless clinical applications would enable caregivers to spend less time on administrative tasks and more time with patients. Giving employees real-time access to patient records on their PDAs, laptops, and mobile phones could also drive down the costs of delivering care, improve nurse coordination, and positively impact medical accuracy throughout every ward.

From the beginning, taking a long-term perspective was critical. Memorial North executives realized that the hospital would eventually need to adopt emerging wireless technologies as a competitive measure. The hospital was also planning to purchase wireless patient telemetry equipment from GE Healthcare so that caregivers could monitor patient vital signs electronically; such services would expand throughout the hospital over time. Additionally, no one wanted to build or subsidize new network infrastructure to support emerging wireless services, which would require additional staffing and disruptive installations on an ongoing basis.



#### The Company ▶▶▶▶

Colorado's new Memorial Hospital North creates an innovative and patient-centric environment with state-of-the-art high-tech amenities geared towards modernizing treatment and improving the patient experience.

#### Challenges ▶▶▶▶

- ▶ Boost caregiver productivity and clinical workflows with Sprint/Nextel wireless voice and data services
- ▶ Improve reliability of first responder communications
- ▶ Cost-effectively support GE's wireless patient telemetry solution and future wireless services

#### Benefits ▶▶▶▶

- ▶ Provides pervasive coverage for a variety of wireless services, WLAN, and public safety radios over a single infrastructure
- ▶ Enables real-time patient data access throughout the 224,000 square foot facility
- ▶ Wire-it-Once™ infrastructure supports future wireless requirements without additional network installations

The Memorial North team's vision was to build a comprehensive wireless infrastructure that could stand the test of time—a network that would support a patient-centered environment and produce operational efficiencies for years to come.

## The Solution

After evaluating the hospital's technology outlook and requirements, Memorial Hospital North executives selected the MobileAccess Universal Wireless Network for its proven capabilities inside top medical facilities.

The MobileAccess Universal Wireless Network infrastructure provides a single mobile platform that simultaneously delivers pervasive wireless coverage for all of the hospital's mobile operators, devices, and voice and data services with integrated Wi-Fi and wireless medical telemetry services. In addition, innovative Wire-it-Once™ technology reliably delivers patient data to caregivers' laptops and provides always-on wireless coverage for public safety radios on site.

Inherently broadband, the modular MobileAccess solution makes adding new wireless services as simple as adding the appropriate wireless service module in the hospital's existing telecom closets. By clustering all managed elements in secure telecom closets, routine maintenance does not require penetration of hospital ceilings or infection control procedures. Memorial North can stay ahead of the technology curve without separate, parallel networks for each wireless service. And MobileAccess infrastructure scales indefinitely, extending centrally managed wireless services to new buildings via low-loss fiber optics. The result is high quality wireless coverage that is both cost-effective and manageable for the hospital's IT department.

*“The MobileAccess solution's architecture meets the rigorous demands of our dynamic, patient-centered healthcare environment. This platform has the flexibility to support the hospital's current needs, and it readily adapts with minimal cost and disruption...”*

*Tom Kerwin, Chief information Officer, Memorial Hospital North”*

## About MobileAccess

is a global provider of enterprise wireless solutions that connect the people and applications that drive business. The MobileAccess Universal Wireless Network is a platform for delivering multi-service wireless connectivity in public venues and facilities such as airports, hospitals, hotels, manufacturing plants, office buildings and sports venues. With its advanced Wire-it-Once™ technology, MobileAccess provides facility-wide coverage for Wireless LAN (WLAN), Mobile WiMAX and public safety radio, among other wireless services, over a single infrastructure. Thousands of organizations worldwide rely on MobileAccess to power life saving, time saving and money saving wireless applications every day. MobileAccess customers include Aladdin Resort and Casino, University of Phoenix Stadium, Clarian Health, Ford Field, Grande Lakes Orlando, Hearst Corporation, Lehman Brothers, Melbourne (Australia) Airport, Northwestern Memorial Hospital, and Royal Dutch Shell. For more information, visit [www.mobileaccess.com](http://www.mobileaccess.com).

8391 Old Courthouse Road, Suite 300

Vienna, Virginia 22182 USA

Phone 866.436.9266 or 703.848.0200

Fax 703.848.0280

Email [info@mobileaccess.com](mailto:info@mobileaccess.com)

-----  
[www.mobileaccess.com](http://www.mobileaccess.com)

