



## CASE STUDY

CipherLab Customer Spotlight: Nursing House

### Czech Nursing Homes Improve Efficiency and Avoid Medical Error with 8001 Mobile Computer

#### Profile

As the Czech government has transitioned from the Socialist to Capitalist system, once all-inclusive public nursing care facilities have become dependant upon user charges and fees.

In order to bill each patient for diagnostic and comprehensive care services, institute staff were recording charges and fees on hand-written forms or using a Microsoft® Excel-based system. These records were compiled monthly and charged to each patient.

#### Deployment

Beginning in 2008, VVV System spol. s r.o., has deployed 1,690 CipherLab 8001 mobile computers running a proprietary software solution developed locally in C++. The CipherLab 8001 was chosen for its stability, long working hours (up to 100 per charge), handy pocket size, and the free custom software provided by CipherLab's Czech partner.

Throughout the Czech Republic, over 130 nursing facilities, convalescent care centers, skilled nursing units, care and rest homes have implemented the CipherLab solution.

The new system eliminates the tedium and errors of a manual system, saving time and dramatically increasing accuracy. Staff members or physicians simply scan the resident's barcode and the appropriate barcode for the service. Diagnostic reports and medical records are linked correctly to the individual patient, eliminating mistakes. Clerical and billing errors are reduced to almost zero, staff time is freed to allow more patient care and less bookkeeping, leading to great improvements in quality of service.

#### Step 1

Staff or physician scans their personal barcode

#### Step 2

The patient's barcode is scanned

#### Step 3

The barcode for appropriate item is scanned. For instance, injection, blood drawing, massage, or haircut.

#### About CipherLab

CipherLab is a global leader in the design, manufacture and marketing of automatic identification and data capture/collection products and systems. The company's mobile computers and scanners are integrated into the networks of some of the world's best known logistics, retail, distribution, government installations and healthcare companies, helping them run more efficiently and effectively onsite and on the road. Headquartered in Taipei, Taiwan with offices in the USA, China and Germany and operations worldwide, CipherLab is publicly traded on the Taiwan stock exchange (Taiwan OTC: 6160). For more information, please visit <http://www.cipherlab.com>