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## **Optimus EMR, Inc. Releases Final Results of CMS Study Regarding the Use of Bedside (Point of Care) Technology to Improve the Quality of Care in Nursing Facilities**

IRVINE, California – Optimus EMR, Inc. announced today that the Center for Medicare & Medicaid Services (CMS) has released final results of the Multi-Year Demonstration Project that it funded. The Study was conducted by the University of Missouri - Sinclair School of Nursing, and Research Triangle International (RTI), Inc.

Optimus EMR, Inc. was selected for this study in 2003 after a thorough review of long term care technology companies by CMS, with consultation from the University of Missouri - Sinclair School of Nursing, and Research Triangle International (RTI), Inc. Data was collected and analyzed for the study throughout portions of 2003, 2004, 2005, and 2006.

- The CMS project evaluated use of bedside (Point of Care) technology, electronic medical record functionality, and electronic charting systems to collect and analyze daily measures of resident care and outcomes in a number of nursing facilities. Research under this project evaluated use of specific bedside data collection technology with portable (mobile) computer devices, automated processes, and electronic medical record (EMR) technology in improving daily measures of resident care and outcomes in nursing facilities; and
- The degree to which use of the technology could impact resident outcomes; and
- Potential enhancement of resident outcomes by coupling the use of this technology with on-site clinical consultation by expert nurses.

The study involved four groups:

1. Group 1 – Facilities that implemented the Optimus EMR System and also received nursing consultation from the University of Missouri Quality Improvement Program Nurses (QIPMO).
2. Group 2 – Facilities that implemented the Optimus EMR System and received no nursing consultation visits.
3. Group 3 – Facilities that received QIPMO consultation and did not implement the Optimus EMR System.

4. Group 4 – Facilities that did not have either the Optimus EMR System or nursing consultation.

The following are either excerpts of or quotations taken from the report by Optimus EMR, Inc. which did not participate in the design or conduct of the study, or in the final report:

- “Based on this limited study it appears that there is benefit for residents and their outcomes of care from the implementation and use of bedside computing technology in nursing homes.”
- There are trends in improvement in the following Quality Indicators (QIs) and Quality Measures (QMs) for Groups 1 and/or 2:
  - Decline in Late Loss ADLs
  - Decline in Loss Range of Motion
  - Decline in Urinary Tract Infection
  - Behavioral Problems
  - Symptoms of Depression with No Treatment
  - No Training in Bed Mobility
  - No Range of Motion for Dependant Residents
  - High Risk Pressure Sores
  - Hypnotic Use
  - Less Restraint Use
- “It is likely that the Nursing Assistants (CNAs) are more accurately describing the ability of the residents, making the nurses more aware of the limitations of the residents. In other words, more accurate documentation is resulting in more detection of this condition.”
- “Follow up by the nurse responsible for the care delivered by nursing assistants is facilitated by the electronic medical record, so that questions can be asked in a timely way (same shift) about care that was done or not done.”
- No negative trends were detected in the QI or QM scores that would indicate an adverse effect on resident care by technology.
- “The dominant culture remained stable throughout the evaluation, indicating that the implementation of technology did not disturb this important organization feature.”
- “There appears to be one very telling conclusion: although most staff has ideas for the improvement of technology after 12 to 24 months, almost no one wants to return to the era of paper charting.”

Timothy D. Quarberg, VP of Sales & Marketing with Optimus states, “this is important validation and verification that the Optimus EMR System and its unique Point of Care (Bedside) Documentation for CNAs and Nurses provides significant resident care and care outcomes improvements in nursing facilities. Furthermore, there is a rapidly growing body of evidence that

the Optimus EMR System, with all of its innovations, also provides reimbursement optimizations, efficiencies, staff accountability, and operational controls for senior management. We at Optimus are very proud to have been selected for this important demonstration project, and all of our team members have enjoyed working with CMS, The University of Missouri – Sinclair School of Nursing, and RTI, Inc.

Our technology has been improved substantially since implementation of this study, Thus, we look forward to the results of our second government evaluation, the demonstration project with AHRQ .The Study funded by The Agency for Health Research and Quality (“AHRQ”), that includes the evaluation of our Computerized Physician Order Entry module (CPOE) which is the entry of computerized physician orders used in concert with the Electronic Medication Administration Record System (“eMAR”). The purpose of the study is to evaluate the reduction in medication errors when using properly designed technology. These results will be released later in 2007.”

Robert C. Davis, CEO of Optimus states, “the Optimus EMR technology is the only complete EMR solution that has been designed specifically for long term care facilities. Furthermore, the proven implementation and training methods utilized by Optimus combined with the properly designed EMR solution have successfully automated or eliminated many previously manual functions which collectively improves patient care, maximizes reimbursement for services performed and enhances staff satisfaction and performance. These are all very important benefits for an industry that has compressed margins and staff shortages”.

#### About Optimus EMR, Inc.

Optimus EMR, Inc. is the long term care industry leader in providing the most comprehensive Electronic Medical Record (EMR), Point of Care documentation tools, “eCharting”, Electronic Medication Administration Record (eMAR), and e-Prescribing/Pharmacy Interface Solutions for LTC facilities. The system is designed to conform to all aspects and the intent of HIPAA and fully adheres to the electronic signature and EMR requirements of AHIMA. Data entry is almost completely through multiple choice check-boxes and very minimal typing is required. Additionally, through electronic interfaces the Optimus system shares and receives appropriate medical information with the billing system, admitting and attending physicians, admitting to and discharging from hospitals, clinical laboratories, institutional pharmacies, and quality assurance organizations. All of these functions combine to improve patient care and facility operations.

The combination of clean, accurate and real time information that is interfaced to the facility billing system allows for faster cash collections, fewer rejected claims and lower DSO for the facility. The Optimus EMR System is a mature and time-tested true EMR Solution that has been fully operational in many facilities and many states since 2001. For more information call The Company at (888) 242-9080, option 3 or visit the web site [www.optimusemr.com](http://www.optimusemr.com)

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