

Electronic Health Records/Telemedicine

Fact Sheet

ELECTRONIC HEALTH RECORDS/TELEMEDICINE – AN UPDATE

The global market for telemedicine is expected to surpass \$18 billion by 2015. The U.S. and the EU currently dominate the market.¹

U.S.

- Under the American Recovery and Reinvestment Act, the Department of Health and Human Services has received \$19 billion in incentives to accelerate the adoption and implementation of Health Information Technology (IT).
- Beginning in 2011, the Recovery Act will offer temporary incentive payments for using electronic health records (EHR) to physicians and hospitals participating in the Medicare program, followed by financial penalties starting in 2015 for failure to use such a system.²
- Physicians who haven't adopted EHRs by 2016 will face financial penalties starting at 1% and escalating to 3% of Medicare Part B fees.
- Qualified Electronic Record:
 - Includes patient demographic and clinical health information (medical history and problem lists)
 - Capacity to provide clinical decision support; allow physician order entry; capture and query information relevant to health care quality and integrate electronic health information with other sources.
- Since many institutions have partial electronic-records systems in place, increased funding and policy interventions could quickly increase the adoption of electronic health records in U.S. hospitals and physician practices.³

EU

- European e-Health Action plan:
By the end of 2008, most European health organizations and health regions (communities, counties, districts) should be able to provide online services such as teleconsultation, e-prescription, e-referral, telemonitoring and telecare.⁴
- Mission of the Ministerial Conference "eHealth for Individuals, Society and Economy" (Feb. 2009, Prague): Call for action on building an e-health area for European citizens.

REMOTE MONITORING IS COST SAVING

- Remote monitoring offers a safe, feasible, time-saving and cost-effective solution to implantable cardioverter defibrillators (ICDs) follow-up as shown in a recent study. Substitution of two routine in-office visits during the study by remote monitoring reduced the overall cost of routine ICD follow-up by 534 euros per patient (41 percent).⁵
- In 2007, the estimated numbers of cardiac devices in the EU included 680,000 pacemakers, 87,000 implantable ICDs and 61,000 cardiac rhythm therapy (CRT) devices, all of which typically require up to four patient follow-up examinations per year.⁶
- Implementation of remote monitoring will decrease 40 percent to 70 percent of physician's time; overall cost savings will be 30 percent to 60 percent.⁶

St. Jude Medical, Inc.
Global Headquarters
One St. Jude Medical Drive
St. Paul, MN 55117

sjm.com

Media Contact

Amy Jo Meyer
Tel: 651-756-3029
ameyer@sjm.com

LITERATURE

- ¹ Global Industry Analysts, Inc. "Telemedicine: A Global strategic Business Report." April 2009. Retrieved from http://www.strategyr.com/Telemedicine_Market_Report.asp.
- ² The White House, Department of Health and Human Services, "FY 2010 Budget: Funding Highlights." Retrieved from http://www.whitehouse.gov/omb/assets/fy2010_new_era/A_New_Era_of_Responsibility2.pdf
- ³ Jha AK, DesRoches CM, Campbell EG, Donelan K, Rao SR, Ferris TG, Shields A, Rosenbaum S, and Blumenthal D. Use of Electronic Health Records in U.S. Hospitals. *NEJM*, 2009.
- ⁴ Commission of the European Communities, COM (2004) 356 final. Retrieved from http://ec.europa.eu/prelex/detail_dossier_real.cfm?CL=en&DosID=190792.
- ⁵ Raatikainen M.J., Uusimaa P., van Ginneken M.M., Janssen J.P., Linnaluoto M. Remote monitoring of implantable cardioverter defibrillator patients: a safe, time-saving, and cost-effective means for follow-up. *Europace*, 2008.
- ⁶ Philipp Grätzel von Grätz, HealthTechWire, "eHealth for Individuals." Presented at the "eHealth for Individuals, Society and Economy" conference, 2009. Retrieved from http://www.ehealth2009.cz/file.aspx?id=103&name=01_rapporteur_individ.ppt.

St. Jude Medical, Inc.
Global Headquarters
One St. Jude Medical Drive
St. Paul, MN 55117

[sjm.com](http://www.sjm.com)

Media Contact

Amy Jo Meyer
Tel: 651-756-3029
ameyer@sjm.com