



Università degli Studi di Pavia

Dottorato di Ricerca in Bioingegneria e Bioinformatica
Dipartimento di Informatica e Sistemistica

AVVISO DI SEMINARI

Dr Terry J. Hannan, University of Tasmania

Ore 11:00

30 years of Clinical Computing with or without e-Health Clinical Decision Support. Have we made a difference?

Abstract - *The study by McDonald in 1976 demonstrated that "the computer augments the physician's capabilities and thereby reduces his error rate. It is very likely that the physicians in these studies were simply unable to detect all the multitudinous conditions specified by the standards (they themselves defined)." This was a clear demonstration of the role of clinical decision making on the costs, quality and resource utilization of health care.*

In 1991 we saw the Institute Of Medicine review which saw the "The computer-based patient record. An essential technology for health care."

My presentation today will address the critical role of clinical decision-making in health care and how tools based on e-health can improve care delivery. I will also discuss factors that are impeding the use of effective implementation of health information technologies (HIT) with specific references to why "administrative" models are not successful, and how there needs to be greater clinician (doctors, nurses, pharmacists, etc) and patient involvement in future HIT solutions.

Ore 16:00

Applying Health Informatics Knowledge to the Digital Divide and making it work. The OpenMRS revolution

Abstract - *In 2000 the political will, infrastructure and funding levels for health care in sub-Saharan Africa seemed no match for the relentless devastation from HIV/AIDS (40 million People Living With AIDS (PLWA) in this region).*

I was a member of the partnership that involved the United States Agency for International Development (USAID) and the Academic Model Providing Access to Healthcare (AMPATH) in collaboration with Moi University in Eldoret, Kenya.

With knowledge of more than 25 years experience with e-Health (Electronic Health Records) we integrated with the local communities to address the HIV/AIDS problems.

The core fundamentals for implementation are;

- *Health care is an information business. Managing patient care requires managing patients' data at many levels.*
- *An electronic health record (EHR) system is necessary to manage a chronic medical condition such as HIV in a large patient population.*
- *Making local end-users the "owners" of the system is fundamental for success.*

At the end of 2009, HIV/AIDS programs are not only in place but the ongoing partnership in care are openly speaking of bringing the pandemic to its knees over the next 5 years through widespread screening and effective treatment and prevention of HIV. The project is now used for all disease states in both prevention and treatment.

13 ottobre 2010, Aula Seminari, piano D
Dipartimento di Informatica e Sistemistica, V. Ferrata 1, Pavia

I dottorandi e gli interessati sono cordialmente invitati

L'organizzatore
Prof. R. Bellazzi

Il coordinatore del dottorato
Prof. A. Buizza

