Taking a broad, global and systematic approach to eLearning evidence synthesis for health professionals: progress from our Cochrane collaboration research initiative

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eLearning for health professions education: a global research initiative

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Your University?
Why eLefant?

eLarning for undergraduate health professional education - a systematic review informing a radical transformation of health workforce development
Authors: Imperial College London, World Health Organization
Edited by: Najeeb Al-Shorbaji, Rifat Atun, Josip Car, Azeem Majeed, Erica Wheeler
Date: January 2015   Number of pages: 156   ISBN: 978 92 4 150826 1

Online eLarning for undergraduates in health professions: A systematic review of the impact on knowledge, skills, attitudes and satisfaction.

Offline eLarning for undergraduates in health professions: A systematic review of the impact on knowledge, skills, attitudes and satisfaction.
What is Cochrane?

Principles

Cochrane's work is based on ten key principles:

- Collaboration
- Building on the enthusiasm of individuals
- Avoiding duplication of effort
- Minimizing bias
- Keeping up-to-date
- Striving for relevance
- Promoting access
- Ensuring quality
- Continuity
- Enabling wide participation
Current Cochrane Progress

- Title Registration
- Cochrane Protocol
- Search Strategy
- Screening
- Data Extraction
- Write Review
- Submit to Cochrane

- April & May 2015
- May 2015
- June - July 2015
- September 2015
Levels of Evidence

Cochrane

RCT & cRCT
21 000 manuscripts screened
2 868 full-texts screened

Cochrane+
Ex. control before and after or interrupted time series...
well over 21 thousand

Other Evidence
All evidence, Qualitative Barriers and Facilitators
over 110 000
Measuring learning by change in:

- Knowledge
- Skills
- Attitudes
- Satisfaction
What Evidence?
Intervention Areas

- Internet- and local area network (LAN)-based eLearning interventions for undergraduate health professional education
- Internet- and local area network (LAN)-based eLearning interventions for post-registration health professional education
- Non-networked, computer-based eLearning interventions for undergraduate health professional education
- Non-networked, computer-based eLearning interventions for post-registration health professional education
Intervention Areas

- Virtual patient simulations for health professional education
- Virtual reality environments for health professional education
- eLearning interventions for psychomotor and technical skills development in health profession education

All include both undergraduate & post-registration students
Intervention Areas

Massive Open Online Courses (MOOCs), Virtual Learning Environments (VLEs) and Learning Management Systems (LMSs) for undergraduate and post-registration health professional education

mLearning interventions for delivering undergraduate and post-registration health professional education

Serious Gaming and Gamification interventions for undergraduate and post-registration health professional education
Want to know more?

Contact Us…
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