Improving nurses’ knowledge about HIV: development and evaluation of an innovative online resource

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Background

- Increase in prevalence and Shift in HIV care
- Nurses not exposed to PLWHA
- Insufficient training
- Own experiences of poor care
- Relationship between poor HIV knowledge and discrimination
- Improvement needed to provide high quality care

National AIDS Trust (NAT), 2010; Power, Bell and Freemantle, 2010; Suominen et al., 2010; Grabar, Weiss and Costagliola, 2006; Vance et al., 2009.

Aims and Objectives

**Aim:**
To develop and evaluate a Reusable Learning Object (RLO) on HIV designed to increase the HIV knowledge of nurses who work within non-HIV settings

**Objectives:**
- To consult with an expert advisory panel on content of the RLO.
- To formatively evaluate the RLO by peer review using independent experts.
- To summatively evaluate the RLO by comparing pre and post-questionnaire knowledge scores of an intervention (exposed to RLO) and non-intervention (No-RLO) group.
Reusable learning objects

Khatony et al., 2009; RLO-CETL, 2009; Boyle et al., 2006

HIV for Nurses

E:\HIV for NURSES\player.html
Main Study

- Ethical approval
- Pre/post test design
- Intervention Group
- Non-Intervention Group
- Comparison of changes in HIV knowledge scores
- Independent t-tests

Results

- Nurses poor knowledge: 9.11 (± 2.5) out of 20.
- Intervention groups' change in score: p<0.001
- Changes in perceptions
  - 100% recommendation to others
Conclusion

- First study to provide quantitative evidence that RLOs increase nurses knowledge
- 20 minute educational resource has significant impact
- Post-registration HIV education must be a priority
- Useful resource for HIV nurse specialists

Further Research

- Verify results with larger scale study
- Establish whether change in knowledge and perceptions are sustained over time and directly impact on nursing practice
- Comparative research on traditional teaching methods and e-learning
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Resource: http://sonet.nottingham.ac.uk/los/placs/hiv_nurses/

More information on developing or evaluating RLOs: Health e-learning & media (HELM) group
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www.nottingham.ac.uk/helm
References


Thank you for listening

Any Questions?