


14<sup>th</sup> Annual Conference of the  
National HIV Nurses Association (NHIVNA)



National HIV Nurses Association

**Kirstie Weeks**  
University of Nottingham

*14-15 June 2012, Manchester Conference Centre*



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

**Kirstie Weeks**  
Undergraduate Masters of Nursing Science

## 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.



The University of  
**Nottingham**

## Aims and Objectives

### **Aim:**

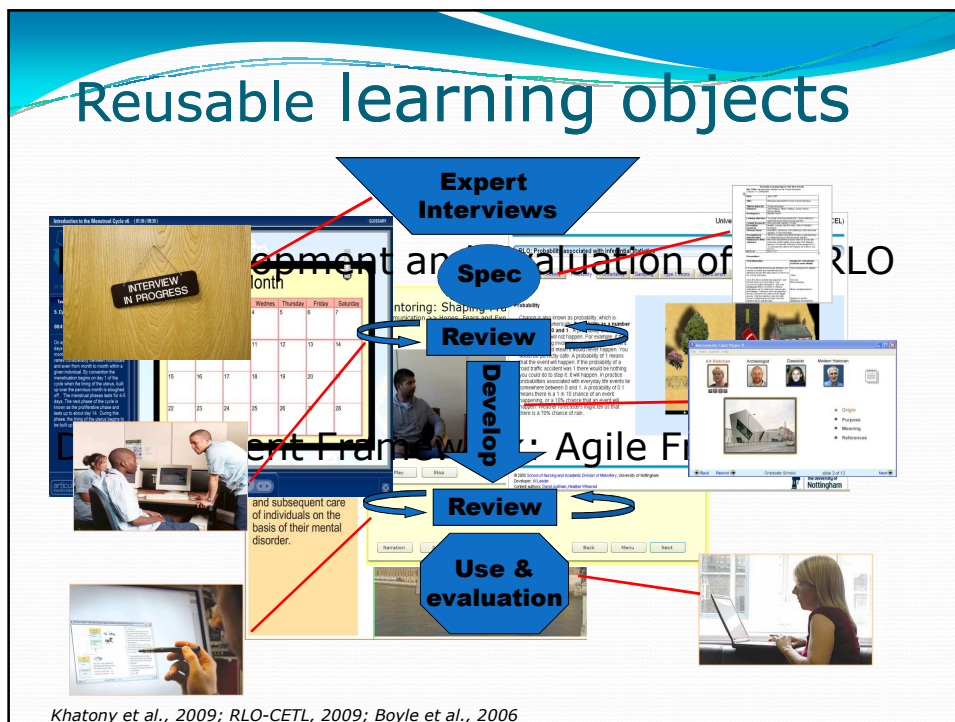
To develop and evaluate a Reusable Learning Object (RLO) on HIV designed to increase the HIV knowledge of nurses who work within non-HIV settings

### **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.



The University of  
**Nottingham**



# HIV for Nurses

<E:\HIV for NURSES\player.html>

The University of Nottingham

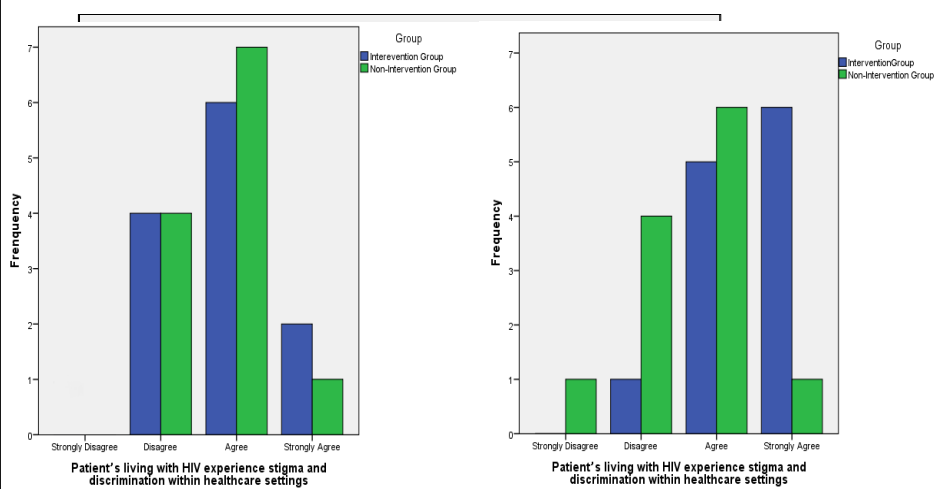
## Main Study

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



## Results

- Change in perception of stigma and discrimination (p < 0.001)



## 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



## Acknowledgements

**Dr. Heather Wharrad** - Reader & Associate Professor in Education and Health Informatics at University of Nottingham.

**Dr. Catrin Evans** - Lecturer, International Lead & PhD Programme Director, School of Nursing, Midwifery and Physiotherapy, Queen's Medical Centre, Nottingham

**Matt Gregory** - Terrence Higgins Trust Health & Treatments Worker

**Mick Mason** - Terrence Higgins Trust Regional Manager Midlands

**John McLuskey** - Associate Professor, School of Nursing, Midwifery and Physiotherapy, Queen's Medical Centre, Nottingham.

**Ruth Richardson** - HIV Clinical Nurse Specialist, Nottingham

**Sue Pennant** - Lead HIV Clinical Nurse Specialist, Nottingham



The University of  
**Nottingham**

## Contact Details

**Email address:** [ntyckew@nottingham.ac.uk](mailto:ntyckew@nottingham.ac.uk)

**Resource:**

[http://sonet.nottingham.ac.uk/rlos/placs/hiv\\_nurses/](http://sonet.nottingham.ac.uk/rlos/placs/hiv_nurses/)

**More information on developing or evaluating RLOs:**

Health e-learning & media (HELM) group

[helm@nottingham.ac.uk](mailto:helm@nottingham.ac.uk)

[www.nottingham.ac.uk/helm](http://www.nottingham.ac.uk/helm)



The University of  
**Nottingham**

## References

Boyle, T., Cook, J., Windle, R., Wharrad, H., Leeder, D and Alton, R (2006) An agile method for developing learning objects. **Proceedings of 23<sup>rd</sup> annual ascilitie conference; Who's Learning? Whose Technology.** The University of Sydney: Ascilitie.

Grabar, S., Weiss, L., Costagliola, D. (2006) HIV infection in older patients in the HAART era. **Journal of Antimicrobial Chemotherapy** 57: pp.4-7.

Khatony, A., Nayery, D., Ahmadi, F., Haghani, H. And Vehvilainen-Julkunen, K (2009) The effectiveness of web-based and face-to-face continuing education methods on nurses' knowledge of AIDS: a comparative study. **BMC Medical Education** [Online] 9 (41) Available at: <http://www.biomedcentral.com/1472-6920/9/41> [Accessed on: 24/10/2011]

Power, L., Bell, M. and Freemantle, I. (2010) **A national study of aging and HIV (50 Plus).** Joseph Roundtree Foundation: London.

National AIDS Trust (NAT) (2010) **Guidelines for reporting HIV. Advice for editors and journalists writing about HIV in the UK.** London: NAT.

RLO-CETL (2009) **Development Framework: The CETL Agile Development Method.** [online]. Available at: <http://www.rlo-cetl.ac.uk/whatwedo/developmentframework.php> [accessed on 03/02/2011]

Suominen, T., Koponen, N., Mockiene, V., Raid, U., Istomina, N., Vanska, M., Blek-Vehkaluoto, M. and Valimaki, M. (2010) Nurses' knowledge and attitudes to HIV/AIDS- An international comparison between Finland, Estonia and Lithuania. **International Journal of Nursing Practice** 16: pp.138-147.

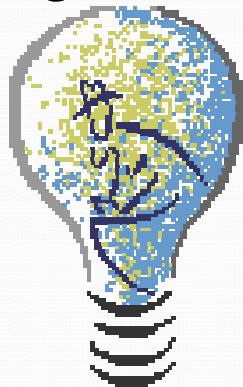
Vance, D., Childs, G., Moneyham, L. and McKie-Bell, P. (2009) Successful Aging with HIV. A brief overview for nursing. **Journal of Gerontological Nursing** 35(9): pp.19-25.



The University of  
Nottingham

# Thank you for listening

## Any Questions?



The University of  
Nottingham