

A computer software package to improve numeracy skills among student nurses (Coventry Site)

Submission date 18/05/2009	Recruitment status No longer recruiting	<input type="checkbox"/> Prospectively registered
		<input type="checkbox"/> Protocol
Registration date 15/07/2009	Overall study status Completed	<input type="checkbox"/> Statistical analysis plan
		<input checked="" type="checkbox"/> Results
Last Edited 06/12/2019	Condition category Other	<input type="checkbox"/> Individual participant data

Plain English summary of protocol
Not provided at time of registration

Contact information

Type(s)
Scientific

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Additional identifiers

Protocol serial number
N/A

Study information

Scientific Title

Randomised single centre trial of a computer software package to improve numeracy skills among student nurses (Coventry Site)

Study objectives

The principle research question is whether the use of a supplementary computer based medication dosage calculation training programme increases numeracy skills among first year student nurses.

Ethics approval required

Old ethics approval format

Ethics approval(s)

Coventry University Ethics Committee approved on the 6th October 2008

Study design

Randomised controlled, single centre trial

Primary study design

Interventional

Study type(s)

Diagnostic

Health condition(s) or problem(s) studied

Numeracy skills of student nurses

Interventions

The intervention is a computer software package known as Authentic World which can be accessed online, participants in the intervention group will be sent details on how to access the computer software and will have access to the programme for 8 months. They will also be sent reminder emails encouraging them to use 'Authentic World'. Formative tests will also be set within the programme which the students will be encouraged to take as practice for the maths test that is a usual part of their course. Participants in the control group will have access to all the usual departmental support for maths but will not be given access to the computer software.

Duration of intervention 8 months: November 2008 - May 2009

Intervention Type

Other

Phase

Not Applicable

Primary outcome(s)

Students scores on a maths test usually sat by first year students at Coventry University. To be taken at the end of the 8 month intervention period.

Key secondary outcome(s)

Students scores on a second maths test with at least 6 questions specifically aimed at medication dosage calculation. To be taken in the 7 month of the intervention period.

Completion date

22/05/2009

Eligibility

Key inclusion criteria

First year student nurses at the University of Coventry

Participant type(s)

Patient

Healthy volunteers allowed

No

Age group

Adult

Sex

All

Key exclusion criteria

1. Refusal to give consent
2. Not a first year student nurse or midwifery student at Coventry University

Date of first enrolment

21/10/2008

Date of final enrolment

22/05/2009

Locations

Countries of recruitment

United Kingdom

England

Study participating centre

York Trials Unit

York

United Kingdom

YO10 5DD

Sponsor information

Organisation

University of York (UK)

ROR

<https://ror.org/04m01e293>

Funder(s)

Funder type

University/education

Funder Name

University of York (UK) - York Trials Unit

Results and Publications

Individual participant data (IPD) sharing plan

IPD sharing plan summary

Not provided at time of registration

Study outputs

Output type	Details	Date created	Date added	Peer reviewed?	Patient-facing?
Results article	results	14/07/2011	06/12/2019	Yes	No