

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

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

## Plain English summary of protocol

Not provided at time of registration

## Contact information

### Type(s)

Scientific

### Contact name

Prof David Torgerson

### Contact details

York Trials Unit  
ARRC Building  
Alcuin College  
University of York  
Heslington  
York  
United Kingdom  
YO10 5DD  
+44 (0)1904 321340  
djt6@york.ac.uk

## Additional identifiers

## 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?
<a href="#">Results article</a>	results	14/07/2011	06/12/2019	Yes	No