

Improving nurses' continuing vocational training in psychiatric hospitals and inpatient units

Submission date 30/09/2010	Recruitment status No longer recruiting	☐ Prospectively registered ☐ Protocol
Registration date 24/11/2010	Overall study status Completed	☐ Statistical analysis plan ☒ Results
Last Edited 06/05/2014	Condition category Other	☐ Individual participant data

Plain English summary of protocol
Not provided at time of registration

Contact information

Type(s)
Scientific

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Protocol serial number
FI-06-B-F-PP-160701

Study information

Scientific Title
The impact of eLearning course on nurses professional competence in psychiatric nursing: a multicentre, randomised controlled open label study

Acronym

PsychEduNurse.Net

Study objectives

The primary hypothesis of the study is that nurses working in those wards who participate in eLearning course (ePsychNurse.Net) would have better knowledge on coercion-related legislation, physical restraint and seclusion comparing to nurses working in wards who would not participate in the course.

The secondary hypothesis is that nurses working in those wards who participate in eLearning course would have less favourable attitudes towards physical restraint and seclusion and improved job satisfaction compared to nurses working in those wards who would not participate in the course.

We will also hypothesise that ePsychNurse.Net would decrease the seclusion and restraint incidents and length on the wards comparing to those wards who not participate in the course. Further, the costs of eLearning course will be lower than by traditional methods (e.g., education sessions alone).

Ethics approval required

Old ethics approval format

Ethics approval(s)

Ethics Committee of Helsinki and Uusimaa Hospital District, 13/03/2007, 73/E7/2007 HUS

Primary study design

Interventional

Study design

Multicentre randomised controlled open label study

Study type(s)

Quality of life

Health condition(s) or problem(s) studied

Nurses' continuing vocational training

Interventions

Intervention group:

Nurses participated in eLearning course. Nurses receive needs-based education. eLearning course was built up using the Moodle platform and includes following six main themes related to the taking care of this patient group:

1. Legal implications
2. Ethical issues
3. Internal and external factors effecting to the care of distressed and disturbed patients
4. Self-awareness and interpersonal relationships
5. Teamwork
6. Integration of knowledge and practice

eLearning course takes 120 hours during three months. The eLearning course has to be accomplished on a module-by-module basis in a pre-defined order. Each module requires

individual working tasks in the form of reflective journal, assignment, discussion forum, self-awareness exercise, and reading material. Virtual patient scenario and self-awareness exercise was included depending on the module. The tutors (experiences nurses with MNS and/or PhD degree) coordinated the course, supervised the students and gave feedback on each modules tasks accomplished by the students. To ensure appropriate technological resources, the computers were checked for adequate programs needed for running the course. Information on how to use the portal and the aims of the course to the nurses was organized. Nurses were able to study at their work time.

Control group:

The control group had continuing vocational education as usual, essentially fragmentary and irregular. Nurses in Comparison group did not get eLearning Course and they get as usual continuing vocational education.

Duration of intervention was three month after baseline measurement. Total duration of follow-up is 9 months.

Intervention Type

Other

Phase

Not Applicable

Primary outcome(s)

Nurses' knowledge related to patients rights and seclusion and restraint practices, measured at baseline (BL), 3 and 9 months.

Key secondary outcome(s)

1. Nurses' attitudes related to seclusion and restraint practices (Attitudes Scale), measured at BL, 3 and 6 months
2. Nurses' attitudes related to mental illness (CAMI 2007), measured at BL, 3 and 6 months.
3. Nurses' general efficacy (General Self-Efficacy Scale) and job satisfaction (Job Diagnostic Survey, job satisfaction), measured at BL, 3 and 6 months
4. Seclusion and restraint incidents and length (Hospital Data Base) on the ward, measured at BL, 3, 6 and 12 months
5. Costs of the continuing vocational education (eLearning course and traditional method /education sessions; time, travel and deputy staff costs)

Completion date

31/12/2011

Eligibility

Key inclusion criteria

Ward eligibility criteria:

1. Closed acute psychiatric inpatient wards
2. Practicing seclusion and restraint
3. Not involved in on-going or planned seclusion/restraint research or development projects

Participant eligibility criteria:

1. On the wards registered nurse (permanent position psychiatric nurses/mental health nurses,

long term substitute psychiatric nurses/mental health nurses, practical nurses, head nurses and deputy head nurses)

2. Aged over 18 years, either sex

3. Fluent understanding of Finnish language

Participant type(s)

Patient

Healthy volunteers allowed

No

Age group

Adult

Lower age limit

18 Years

Sex

All

Key exclusion criteria

Unable to use the Finnish language

Date of first enrolment

01/12/2007

Date of final enrolment

31/12/2011

Locations

Countries of recruitment

Finland

Study participating centre

Department of Nursing Science

Turku

Finland

20014

Sponsor information

Organisation

European Commission (Belgium)

ROR

<https://ror.org/00k4n6c32>

Funder(s)

Funder type

Government

Funder Name

European Commission (Belgium) - Funded project from the Leonardo da Vinci Programme (ref: FI-06-B-F-PP-160701)

Funder Name

Hospital District of Helsinki and Uusimaa (Finland)

Funder Name

The Pirkanmaa Hospital District (Finland)

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	01/07/2009		Yes	No
Results article	results	01/01/2010		Yes	No
Results article	results	01/04/2013		Yes	No
Study website	Study website	11/11/2025	11/11/2025	No	Yes