

Improving care for hospitalized elderly patients: The effects of an e-learning tool.

No registrations found.

Ethical review	Positive opinion
Status	Pending
Health condition type	-
Study type	Interventional

Summary

ID

NL-OMON19991

Source

NTR

Health condition

delirium
vulnerability
frailty

Sponsors and support

Primary sponsor: Nederlands instituut voor onderzoek naar de gezondheidszorg (NIVEL), VU Medical Center, EMGO+ Institute

Source(s) of monetary or material Support: Dutch Ministry of Health, Welfare and Sport

Intervention

Outcome measures

Primary outcome

1. % of patients screened for delirium risk;

2. % of patients screened for vulnerability/frailty.

Secondary outcome

1. % of at-risk patients observed using the Delirium Observation Screening Scale;

2. % of patients with diagnosed delirium;

3. % of patients with indicators for a possible undiagnosed delirium;

4. % of at-risk patients that received preventive care;

5. % of diagnosed patients that received treatment.

Study description

Background summary

Research question trial:

Does the use of a complementary e-learning tool improve the implementation of the delirium part of the Vulnerable elderly project?

Design:

A stepped wedge cluster randomized controlled trial.

The Vulnerable elderly project is a nationwide quality improvement project aimed at care for hospitalized elderly (70 years and older). Four healthcare problems are addressed within this project: delirium, falls, malnutrition and functional decline. For our research questions we focus on the delirium aspect of the project.

The Vulnerable elderly project is a part of a larger patient safety program in the Netherlands, similar to the 100.000 Lives campaign in the United States and the Safer Healthcare Now! campaign in Canada.

Methods for data gathering:

Data will be gathered in 20 Dutch hospitals, all of which are still at the beginning stages of the implementation of the Vulnerable elderly project. One internal medicine ward and one

surgical ward of each hospital will participate in the study. Patient record reviews of patients 70 years or older will be the main source of data. During 11 months research-nurses will review 10 records per ward per month. All reviews will take place within the same week of the month, using records of patients still admitted or released within the previous week. From these records data concerning the implementation of the Vulnerable elderly project will be gathered.

Intervention:

Every month two randomly selected hospitals will receive access to an e-learning tool regarding delirium (one aspect of the Vulnerable elderly project). This stepped wedge design will result in data from all hospitals for the control and for the intervention group.

Study objective

The implementation of the delirium part of the Vulnerable elderly project will improve when nurses have completed an e-learning tool regarding delirium care for elderly patients.

Study design

Monthly record review of still admitted patients or recently released patients in all participating wards. No follow-up per patient.

Intervention

E-learning tool for at nurses, aimed at improving knowledge, skills and attitude regarding delirium care for elderly patients. This tool was developed by Noordhoff, in cooperation with a hospital.

Nurses working in the participating wards will be given access to the e-learning tool for a period of 3 months. The estimated time needed to complete the tool and the knowledge test before and after the tool is 4 hours. The period in which each ward is given access is assigned randomly.

Contacts

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Eligibility criteria

Inclusion criteria

1. 70 years or older;
2. Length of stay 24 hours or longer;
3. Admitted to surgical ward or internal medicine ward.

Exclusion criteria

N/A

Study design

Design

Study type:	Interventional
Intervention model:	Crossover
Allocation:	Randomized controlled trial
Masking:	Single blinded (masking used)
Control:	Active

Recruitment

NL	
Recruitment status:	Pending
Start date (anticipated):	20-05-2011
Enrollment:	4000

Type: Anticipated

Ethics review

Positive opinion

Date: 19-04-2011

Application type: First submission

Study registrations

Followed up by the following (possibly more current) registration

No registrations found.

Other (possibly less up-to-date) registrations in this register

No registrations found.

In other registers

Register	ID
NTR-new	NL2747
NTR-old	NTR2885
Other	METC VUmc / wetenschapscommissie VU : 2011/053 / WC2010-112;
ISRCTN	ISRCTN wordt niet meer aangevraagd.

Study results

Summary results

N/A