

What are the effects of internal audits on quality and safety of hospital care?

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The objective of this thesis is to get insight into the effects of internal audits on patient safety and on health care professional's behavior in an academic hospital at ward level.

| | |
|-----------------------------|-----------------------------------------------------|
| Ethische beoordeling | Positief advies |
| Status | Werving gestart |
| Type aandoening | - |
| Onderzoekstype | Observationeel onderzoek, zonder invasieve metingen |

Samenvatting

ID

NL-OMON20561

Bron

NTR

Verkorte titel

APS study = Audit Patient Safety study

Aandoening

Patient safety, hospital, hospital care, effects, internal audits, internal audit system, auditing

Ondersteuning

Primaire sponsor: Radboud University Nijmegen Medical Center

Overige ondersteuning: Radboud University Nijmegen Medical Center

Onderzoeksproduct en/of interventie

Uitkomstmaten

Primaire uitkomstmaten

Complications and adverse events.

Toelichting onderzoek

Achtergrond van het onderzoek

We examine the current internal audits of the Radboud University Nijmegen Medical Centre; are they a valid, reliable and responsive diagnostic instrument to analyze the safety of patient care? And we want to know what the results of the internal audits of the Radboud University Nijmegen Medical Centre are on the safety of patient care in (academic) hospitals. We use a mix method approach (quantitative and qualitative research methods) to measure the effects of internal audits on different levels: patient, professional and department level. To measure the effects of internal audits on patient safety in clinical hospital care we use a before-and-after design. The null hypothesis is that there is no difference of patient safety of healthcare between the measurement before and after the internal audit and between departments with and without an internal audit. The alternative hypothesis is that internal audits improve the patient safety of healthcare in the Radboud University Nijmegen Medical Centre. In this study we perform a determinant analysis to correct statistical for potential confounders. And we also perform a process analysis to explain certain (un)expected effects of internal audits.

This study takes place in the Netherlands.

Doel van het onderzoek

The objective of this thesis is to get insight into the effects of internal audits on patient safety and on health care professional's behavior in an academic hospital at ward level.

Onderzoeksopzet

Primary outcome:

Complications and adverse events in hospital care are measured by structured retrospective patient record review of hospital admissions 3 months before and 15 months after an internal audit.

Secundairy outcomes:

1. The patient safety culture within a team of health care givers is measured by the Dutch Questionnaire COMPaZ 3 months before and 15 months after an internal audit;
2. The team climate is determined by the Team Climate Inventory 3 months before and 15 months after an internal audit;
3. Patients experiences with hospital care are measured with the Consumer Quality Index of Hospital Admission 3 months before, 9 and 15 months after an internal audit;

4.+ 5. The SMR and the data of unintended prolonged hospital stay are derived monthly from the hospital registry database and the national medical registration (LMR);

6. The learning effects of health care givers and department leaders are gathered retrospective by in-depth questionnaires and for this study developed questionnaires.

Onderzoeksproduct en/of interventie

Internal audits.

Contactpersonen

Publiek

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Wetenschappelijk

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Deelname eisen

Belangrijkste voorwaarden om deel te mogen nemen (Inclusiecriteria)

The included departments of the Radboud University Nijmegen Medical Centre are:

1. Comprehensive and thus recognizable for other hospitals;
2. Delivering clinical care with basic risks for patient safety;

3. Will be audited between October 2011 and February 2013.

Belangrijkste redenen om niet deel te kunnen nemen (Exclusiecriteria)

In this study we exclude the following criteria:

1. The eight 'sub audits' perform by experts (Medication Safety, Hygiene and Infection prevention, ARBO and milieu, Medical Devices, Sterile Medical Aids, Patient-centered, Education and Scientific Research);
2. Departments which facilitating healthcare processes to clinical and outdoor patients, for example Radiotherapy, Operating Rooms and Laboratory Medicine;
3. The safety of outpatients.

Onderzoeksopzet

Opzet

| | |
|------------------|-----------------------------------------------------|
| Type: | Observationeel onderzoek, zonder invasieve metingen |
| Onderzoeksmodel: | Parallel |
| Toewijzing: | N.v.t. / één studie arm |
| Blinding: | Open / niet geblindeerd |
| Controle: | N.v.t. / onbekend |

Deelname

| | |
|-------------------------|----------------------|
| Nederland | |
| Status: | Werving gestart |
| (Verwachte) startdatum: | 15-08-2011 |
| Aantal proefpersonen: | 800 |
| Type: | Verwachte startdatum |

Ethische beoordeling

Positief advies

Datum: 12-03-2012
Soort: Eerste indiening

Registraties

Opgevolgd door onderstaande (mogelijk meer actuele) registratie

Geen registraties gevonden.

Andere (mogelijk minder actuele) registraties in dit register

Geen registraties gevonden.

In overige registers

| Register | ID |
|----------------|------------------------------------------------------------|
| NTR-new | NL3192 |
| NTR-old | NTR3343 |
| Ander register | METC Radboud University Nijmegen Medical Centre : 2011/278 |
| ISRCTN | ISRCTN wordt niet meer aangevraagd. |

Resultaten

Samenvatting resultaten

N/A