

Implementation of an Antibiotic Checklist

No registrations found.

Ethical review	Not applicable
Status	Pending
Health condition type	-
Study type	Interventional

Summary

ID

NL-OMON26783

Source

NTR

Brief title

AB-checklist

Health condition

appropriate antibiotic use, bacterial infections in hospital, quality indicators

antibioticagebruik, kwaliteitsindicatoren, bacteriele infecties in het ziekenhuis

Sponsors and support

Primary sponsor: Academic Medical Center Amsterdam

Source(s) of monetary or material Support: Supported by the Netherlands Organisation for Health Research and Development (zonMw)

Intervention

Outcome measures

Primary outcome

Effect evaluation:

- Length of hospital stay;

- Appropriate antibiotic treatment according to the generic quality indicators

Secondary outcome

Effect evaluation:

- admission to and duration of intensive care unit stay;
- readmission within 30 days;
- mortality.

Process evaluation:

- doctors' compliance with the checklist

Economic evaluation:

- total antibiotic use;
- costs associated with resource use and hospital stay;
- costs related to implementation and use of the checklist.

Study description

Background summary

The aim is to develop and provide an antibiotic checklist based on validated generic quality indicators measuring the appropriateness of antibiotic use in hospitalized adults treated for a suspected bacterial infection, and to evaluate the introduction of the checklist in terms of (cost)- effectiveness. We will introduce the checklist in 9 Dutch hospitals, using a stepped wedge design.

Study objective

Applying to the antibiotic checklist - based on generic quality indicators for the antibiotic treatment of bacterial infections in the hospital - will likely result into better patient care in terms of adequate treatment, duration of intensive care unit (ICU)- and hospital stay, mortality, the total antibiotic use and costs.

Study design

- Length of stay in days

- Readmission within 30 days
- Mortality in the hospital of within 30 days after discharge

Intervention

An antibiotic checklist based on generic quality indicators defining appropriate antibiotic use. The antibiotic checklist is meant as a reminding tool for the doctor who starts intravenous (IV) antibiotic treatment. It is divided in two parts; the first part has to be completed at the moment of prescribing IV antibiotics, and consists of five items. The second part of the checklist is applicable during the course of treatment, at the latest after 72 hours of treatment, and consists of two items.

Contacts

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Eligibility criteria

Inclusion criteria

- age \geq 18 years old
- hospitalized patients or patients who will be hospitalized and present at the ED
- a suspected community-acquired and/or- hospital-acquired bacterial infection

- treatment with antibiotic therapy that starts intravenously.

Exclusion criteria

- anticipated hospital stay of less than 24 hours;
- antibiotics used as prophylaxis or < 24 hours antibiotics;
- hospitalization at the ICU during start of the treatment;
- transfer from another hospital;
- antibiotic treatment in the ambulance, before presentation at the ED.

Study design

Design

Study type:	Interventional
Intervention model:	Factorial
Allocation:	Non controlled trial
Masking:	Open (masking not used)
Control:	N/A , unknown

Recruitment

NL	
Recruitment status:	Pending
Start date (anticipated):	01-11-2014
Enrollment:	1620
Type:	Anticipated

Ethics review

Not applicable	
Application type:	Not applicable

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	NL4727
NTR-old	NTR4872
Other	: ZonMw: 836021001

Study results