

# Time differences in administrating and registration of medication in the Emergency Department

No registrations found.

<b>Ethical review</b>	Positive opinion
<b>Status</b>	Pending
<b>Health condition type</b>	-
<b>Study type</b>	Observational non invasive

## Summary

### ID

NL-OMON20550

### Source

NTR

### Brief title

TIMED

### Health condition

Emergency care illnesses

## Sponsors and support

**Primary sponsor:** University Medical Center Utrecht

**Source(s) of monetary or material Support:** Initiator

## Intervention

## Outcome measures

### Primary outcome

Inconsistencies between medication treatment administration and registration time in the ED by ED nurses

## Secondary outcome

factors (patient related and non-patient related) that are of influence on inconsistencies in these times.

## Study description

### Background summary

Rationale: Early administration of medication in the emergency department (ED) is essential when treating (life-threatening) diseases in patients. Quality parameters and protocols focus on timely administration of medication, for example the 'golden hour' in sepsis care. However, literature often reports time-to antibiotics is rarely accomplished within this advised hour. This could be due to inconsistencies in the time ED nurses administer the medication and the time of registration in the Electronic Health Record (EHR). When this inconsistency exist, reported time-to-medication data by retrospective studies in literature can be questioned.

Objective: to investigate the extent of inconsistencies between medication treatment administration time and registration time in the ED by nurses.

Study design: a prospective observational, time-motion study.

Study population: ED nurses en ED patients

Main study parameters/endpoints: The total number of patients in which administration time of the medication and registration time is inconsistent.

To identify factors (patient related and non-patient related) that are of influence on inconsistencies in administration time and registration time of medication.

Nature and extent of the burden associated with participation, benefit and group relatedness: As this will be an observational study, there will be no burden of participation related to the study. Patients will receive standard care, as they always will. Nurses will not be rated or judged based on their performance.

### Study objective

We hypothesize that in many patients there will be an inconsistency between administering medication and registration in the EHR of more than 15 minutes. Making retrospective studies drawing conclusions on data from the EHR less reliable.

### Study design

ED visitation

### Intervention

None

## Contacts

### Public

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### Scientific

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## Eligibility criteria

### Inclusion criteria

All patients in the ED are eligible to participate in this study.

For ED nurses: in order to be eligible to participate in this study, a subject must meet all of the following criteria:

- Be a trained ED nurse
- Work in the ED at the UMC Utrecht
- Have agreed to participate in this study

### Exclusion criteria

For patients there are no exclusion criteria.

For nurses: a potential subject who meets any of the following criteria will be excluded from participation in this study:

- Nurses who are still specialising to be an ED nurse
- Nurses who did not agree to participate in this study

## Study design

### Design

Study type: Observational non invasive

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

## Recruitment

NL	
Recruitment status:	Pending
Start date (anticipated):	03-02-2020
Enrollment:	100
Type:	Anticipated

## IPD sharing statement

**Plan to share IPD:** No

## Ethics review

Positive opinion	
Date:	12-12-2019
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	NL8228

**Register**

Other

**ID**

METC Utrecht : 19/695

## Study results