The impact of the Trauma Triage App on prehospital trauma triage: design of a stepped-wedge, cluster randomized trial

No registrations found.

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

Summary

ID

NL-OMON28177

Source
NTR

Brief title
TESLA

Health condition

trauma, injuries, undertriage, overtriage

Sponsors and support

Primary sponsor: Maastricht University Medical Center+, Utrecht University Medical Center
Source(s) of monetary or material Support: ZonMw

Intervention

Outcome measures

Primary outcome

Undertriage, defined as the transportation of a severely injured patient (Injury Severity Score ≥16) transported from the scene of injury to a lower-level trauma center.

Secondary outcome

Non-compliance analysis of the primary outcome; overtriage, defined as the transportation of non-severely injured patients (ISS < 16) from the scene of injury to a higher-level trauma center; hospital length of stay; number of admissions to the Intensive Care Unit; length of stay at the Intensive Care Unit; cost-effectiveness analysis

Study description

Study design

Cross-sectional

Intervention

The Trauma Triage App is a smartphone and tablet application that is a practical and quick-to-use user interface to a prediction model that estimates the probability that a patient is severely injured during field triage. An advice whether to transport a patient to a higher-level trauma center or not is generated based on a pre-defined threshold probability.

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Eligibility criteria

Inclusion criteria

All patients, 18 years of age or older, with suspected moderate to severe injuries (Injury Severity Score 9 or higher), evaluated on-scene by one of participating Emergency Medical Services that are transported to a participating emergency department.

Exclusion criteria

Patients death on arrival at the initial receiving emergency department.

Study design

Design

Study type:	Interventional
Intervention model:	Crossover
Allocation:	Randomized controlled trial
Masking:	Open (masking not used)
Control:	Active

Recruitment

NL

Recruitment status:	Pending
Start date (anticipated):	01-06-2018
Enrollment:	14976
Type:	Anticipated

Ethics review

Positive opinion

Date:	29-05-2018
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	NL7038
NTR-old	NTR7243
Other	: 843004114

Study results