

Screening call

This form is for screening potentially eligible clusters for the ATLS vs standard care trial. Please fill it in while talking to the hospital representative. Thank you so much for helping with this task!

Please complete the questions below.

Synopsis Title Effects of Advanced Trauma Life Support® Training Compared to Standard Care on Adult Trauma Patient Outcomes: A Cluster Randomised Trial

Rationale Trauma is a massive global health issue. Many training programmes have been developed to help physicians in the initial management of trauma patients. Advanced Trauma Life Support® (ATLS®) is the most popular of these programmes and have been used to train over one million physicians worldwide. Despite its widespread use, there are no controlled trials showing that ATLS® improves patient outcomes. Multiple systematic reviews emphasise the need for such trials.

Aim To compare the effects of ATLS® training with standard care on outcomes in adult trauma patients.

Primary Outcome In-hospital mortality within 30 days of arrival at the emergency department.

Trial Design Batched stepped-wedge cluster randomised trial in India.

Trial Population Adult trauma patients presenting to the emergency department of a participating hospital.

Sample Size 30 clusters and 4320 patients.

Eligibility Criteria

Cluster will be hospitals with a baseline admission rate of at least 400 patients with trauma per year or 35 patients with trauma per month for at least the last six months, that provide emergency surgical and orthopaedic services around the clock, and where no more than 25% of initial trauma care providers trained in a formalised trauma life support training programme.

Patients will be at least 15 years old, who present to the emergency department of participating hospitals with a history of trauma occurring less than 48 hours before arrival, and who are admitted or die between and admission, or who are transferred from the emergency department of a participating hospital to another hospital for admission.

Intervention The intervention will be ATLS® training, a proprietary 2.5 day course teaching a standardised approach to trauma patient care using the concepts of a primary and secondary survey. Physicians will be trained in an accredited ATLS® training facility in India.

Ethical Considerations In-hospital data collection will be conducted under a waiver of informed consent. Patients will be informed about the trial and their right to opt out of data collection. Patients will be informed that they can withdraw their data from the trial at any time.

Trial Period 2024-10-01 to 2029-10-01

Hospital details

Hospital name and address

Eligibility assessment

Does the hospital admit trauma patients?

- ☐ Yes
☐ No

Is the hospital representative interested in potentially participating?

- ☐ Yes
☐ No
 (Comment: _____)

If the hospital representative is not interested in participating then you can go ahead and submit the form.

How many trauma patients aged 15 years or older, excluding patients with isolated limb injuries, are admitted each month?

- ☐ < 30
☐ 30-60
☐ > 60
☐ Not sure
 (Comment: _____)

Does the hospital provide emergency surgery and orthopaedic services around the clock?

- ☐ Yes
☐ No
 (Comment: _____)

Out of the physicians involved in the initial resuscitation of trauma patients, are less than 25% trained in a formalised trauma life support training programme like ATLS or Primary Trauma Care?

- ☐ Yes
☐ No
 (Comment (like name of other training programme): _____)

Unfortunately, the hospital does not fulfil the eligibility criteria and you may go ahead and submit the form.

The hospital fulfills the cluster eligibility criteria. Please enter the hospital representative's contact details:

Name E-mail Phone number

Before you can proceed to fill in descriptive information about the potential cluster, please confirm that the contact details are complete:

Cluster descriptive information

Out of the patients with trauma who present to the emergency department, what percentage are referrals or transfers from other hospitals?

- ☐ < 20%
☐ 20-50%
☐ 51-80%
☐ > 80%
☐ Not sure
 (Comment: _____)

Out of the patients with trauma who are admitted, what percentage are transferred to other hospitals?

- ☐ < 10%
☐ 10-20%
☐ 21-30%
☐ >30%
☐ Not sure
 (Comment: _____)

Who performs the initial resuscitation of trauma patients as they arrive to the hospital?

- ☐ Casualty medical officers
☐ Emergency medicine residents
☐ Surgical residents
☐ Not sure
 (Comment: _____)

How many CMOs work in the emergency department?

This question is here to help us estimate the number of people we will need to train.

- ☐ < 10
☐ 10-20
☐ 21-30
☐ > 30
☐ Not sure
 (Comment: _____)

How many emergency medicine/general surgery residents are admitted each year?

This question is here to help us estimate the number of people we will need to train.

- ☐ < 10
☐ 10-20
☐ 21-30
☐ > 30
☐ Not sure
 (Comment: _____)

What specialities are available around the clock to care for trauma patients?

- ☐ General surgery
☐ Orthopaedics
☐ Neurosurgery
☐ Vascular surgery
☐ Interventional radiology
☐ Emergency medicine
☐ Not sure
 (Comment: _____)

What facilities are available around the clock?

- ☐ X-ray
☐ Ultrasound/FAST
☐ CT
☐ MRI
☐ Blood bank
☐ Not sure
 (Comment: _____)

How many beds does the hospital have?

- ☐ < 250
☐ 250-500
☐ 501-750
☐ 751-1000
☐ >1000
☐ Not sure
 (Comment: _____)

How many ICU beds does the hospital have?

- ☐ No ICU beds
☐ 1-10
☐ 11-20
☐ 21-30
☐ > 30
☐ Not sure
 (Comment: _____)

How many dedicated trauma beds does the hospital have?

- ☐ No dedicated trauma beds
☐ 1-10
☐ 11-20
☐ 21-30
☐ > 30
☐ Not sure
 (Comment: _____)

Please submit the form once you have completed all questions above.