FACT SHEET
The AuSCR Emergency Department (ED) Dataset

This fact sheet contains information on a new and **optional** AuSCR dataset to collect information on the provision of care for patients with stroke who are to be transferred from your Emergency Department to another hospital for ongoing acute care. This dataset will be available for use from July 1st , 2019.

Collection of data in the ED dataset will assist hospitals to gain a greater understanding of stroke care provided within their ED, including the ability to report the use of thrombolysis and the provision of other evidence-based care consistent with the clinical guidelines for stroke.[1]

Why was the ED dataset created?
With endovascular clot retrieval (ECR) becoming part of routine care, there is an increased need to transfer patients to a comprehensive stroke centre. The AuSCR was originally developed to capture care for patients *admitted* for stroke. *This meant that any care, or treatment such as thrombolysis, administered in the ED prior to transfer for admission and treatment at another hospital, was not captured*.

How were variables in the ED dataset selected?
An expert working group was assembled by the AuSCR via an expression of interest process. Working Group members included neurologists, ED doctors, nurses and allied health professionals from across five states. The aim was to agree on the minimum data for capturing key treatment variables for stroke in the ED which could not be obtained from other sources.

Who is eligible to be included in the ED dataset?
The following episodes are eligible for inclusion:
- Patients that attend your ED and are subsequently transferred for further acute stroke care at another hospital
- All stroke types as well as TIAs.

The ED dataset EXCLUDES:
- Patients who die in the ED
- Patients who are discharged to their usual residence
- Patient who are admitted at your hospital (their data will be captured within your current AuSCR program).

What variables are captured in the ED dataset?
Patient demographics, onset and arrival details, reason(s) for transfer, pre-morbid mRS, NIHSS, brain scans telemedicine, thrombolysis and swallow variables are included in the ED module (Box 1).

What are the advantages of using the ED dataset?
Advantages include, but are not limited to:
- Documentation of all thrombolysis provided at your hospital
- Ability to track care provided in the ED prior to transfer (eg advanced imaging, swallow screen)
- Ability to track time-related metrics such door-to-CT; door-to-needle and door-in door-out times
- Comparisons of ED metrics at your hospital with peer, state and all AuSCR hospitals
- ED data collected can be used to drive local quality improvement projects.

References
1. Stroke Foundation. Clinical Guidelines for Stroke Management 2017. Melbourne Australia

Box 1: Variables included in the AuSCR ED dataset

Patient demographics
- Patient name, MRN, Gender, Country of Birth, ATSI status, postcode, state.

Pre-stroke history
- Modified Rankin Scale (mRS).

Presentation details
- Onset date/time, ED arrival date/time, arrival by ambulance, pre-notification by paramedics.

Acute Clinical Data
- Triage category, baseline NIHSS, brain scan(s) date/time (including advanced imaging), type of stroke.

Telemedicine
- Telemedicine consultation date/time.

Reperfusion
- Thrombolysis date/time, serious adverse events related to thrombolysis.

Other clinical information
- Swallow screen prior to oral medication, food and fluids, ability to walk independently on admission.

Transfer details
Transfer date/time, reason(s) for transfer, discharge destination.

MRN: Medical Record Number; ATSI: Aboriginal and Torres Strait Islander

What changes will I see when I log into the AuSCR? How do I create an ED dataset record?
When you log into the AuSCR, you will see the tabs for all of the programs in which your hospital participates. This will now include an AuSCR ED tab. When creating a new patient record, tick the 'ED dataset' box and then the process for creating an ED dataset record is the same as for creating a current AuSCR admitted episode (Figure 1).

Alternatively, import templates are also available that include ED dataset variables and automated upload systems may be updated to include these variables.

How do I interpret the new variables in the ED dataset?
An updated version of the AuSCR Data Dictionary will be available from the AuSCR website (www.auscr.com.au) or from your AuSCR State Coordinator.

How do I access my ED data?
You can export all data from the ED dataset at any time in the same way as you currently export your AuSCR data. Press the data export button on the Patient Record Details page and make sure that you have selected the AuSCR ED program tab at the top of the page.

ED live data reports will also be available in late 2019. Comparisons between your hospital and peer, state and all other participating AuSCR hospitals will also be possible.

Does my hospital need any new approvals to use the ED dataset? Are there any new processes?
Yes, amendments are required to both current Human Research Ethics and local Research Governance Office approvals for your hospital. Your State Coordinator is working to progress these approvals and can advise you when all approvals have been obtained for your hospital.

Patients who have their data entered into the ED dataset will also need to be provided with an AuSCR patient information sheet (PIS) from your hospital. This will need to be mailed to them with a post-discharge letter. Both the PIS and post-discharge letter are the same as those that you would already provide for patients who are eligible for inclusion into the AuSCR. Your State Coordinator can give you more information on how this process can be implemented at your hospital.

Figure 1: Creating a new AuSCR ED episode of care

1. In the "Patient record management" screen, select "new record"

2. Complete the first name, last name, date of birth, and gender fields. Tick the "AuSCR ED" box and click on "Create new record"

3. From this point on, complete the data fields as you would for an AuSCR admitted episode.

When do I need to register my interest for using the ED dataset? Is there a cut-off date?

You can register your interest to use the ED dataset at any time. However – it will only become available on July 1, 2019. The way that you choose to use the dataset is flexible. You can use it for all eligible ED presentations, or for a defined period of time. Use of the AuSCR ED dataset will be ongoing.

Using the ED dataset will provide an additional opportunity for your hospital to monitor clinical care provision against the Stroke Foundation Guidelines.

What do I need to do to if my hospital wants to use the ED dataset?

Completing the ED dataset is optional. If you want your hospital to gain access to the new ED dataset then please contact your AuSCR State Coordinator or the AuSCR Office (admin@auscr.com.au).

Your State Coordinator can also give you more information on how to use the ED dataset, including generating live data reports and exporting your data.