

# Key Performance Indicators

## Medical Assessment Unit

Performance Indicators (to be included in SAP agreement)	
Description	Target
Off Stretcher Time (1)	90% patients offloaded within 30mins
Average time in ED for admitted patients (2)	10% decrease (on 06/07 baseline)
Medical Patient RSI (3)	2% decrease (on 06/07 baseline)
Readmission rates (4)	<10% patients unplanned readmission within 28days of MAU discharge home

Process Indicators (to be monitored at AHS/Site Level)	
Description	Target
ED Length of Stay for MAU pts	< 2hrs for MAU patients in ED (5)
MAU Length of Stay (6, 7, 9)	% patients discharged from MAU within 48hrs (8)
	% patients discharged home from MAU within 48hrs (10)
	% patients transferred to inpatient ward from MAU (11)
	ALOS of pts transferred to ward from MAU (12)

MAU: Unit\_type = '87' (or temporary equivalent)

## Key Performance Indicator Descriptions

### Performance Indicators

#### 1. Off Stretcher Time – EXISTING DEFINITION in use

**Target:** 90% within 30 minutes

**Criteria:** All patients admitted by ambulance to ED

**Numerator:**

**Denominator:**

**Data source:** NSW Ambulance

#### 2. Average Time in ED for admitted Patients

**Target:** 10% decrease on 06/07 baseline

**Criteria:** All patients admitted from ED

**Numerator:** Total time in ED (Actual\_Departure\_Time – Arrival\_Time) for all patients with ED Separation\_mode in ('1','10','11')

**Denominator:** Count of ED attendances with ED Separation\_mode in ('1','10','11')

**Data source:** ED\_VISIT

**Limitations:** Time period based on Arrival\_Date; Total LOS trimmed at 72hrs

#### 3. Medical Patient RSI

**Target:** 2% decrease on 06/07 baseline

**Criteria:** All acute medical patients admitted to hospital

**Numerator:**

**Denominator:**

**Data source:** DAYS\_EPISODE

**Comment:** Subset of Medical DRGs yet to be determined. Same logic to be used as total RSI but run on subset of data

#### 4. Readmission Rate within 28 days of MAU Discharge

**Target:** <10%

**Criteria:** Patients with an unplanned readmission to the same hospital within 28 days of discharge from MAU to place of usual residence.

**Unplanned admission:** Urgency\_of\_admission = '1','3','4' in the STAY table

**MAU discharged to place of usual residence:** trans\_type='DIS' AND unit\_type is a MAU ward in the DAYS\_EPISODE table AND Inpatient mode\_of\_separation in ('1','2','3','6','7','8','11') in the EPISODE table

**Numerator:** Count of MAU discharges to place of usual residence that had an unplanned admission within 28 days of discharge

**Denominator:** Total number of patients discharged from MAU or MAU-ward to usual place of residence

**Data sources:** DAYS\_EPISODE, EPISODE, STAY

**Limitations:** Time period; Same facility

## Process Indicators

These indicators are to assist areas to understand, manage and monitor internal processes

### 5. Average time in ED for MAU patients

**Target:** < 2hrs

**Criteria:** Patients admitted to MAU

**Numerator:** sum(episode\_length\_hours) where unit\_type = '17'

**Denominator:** Count of stays where patient was admitted to MAU from ED

**Data source:** DAYS\_EPISODE, EPISODE

**Limitations:** Discharged patients; Time period; Same facility

### 6. Average Length of stay (hours) in MAU

**Target:** < 48hrs

**Criteria:** Patients admitted to a MAU

**Numerator:** sum(episode\_length\_hours) where unit\_type = '87'

**Denominator:** Count of stays where patient was in a MAU

**Data source:** DAYS\_EPISODE, EPISODE

**Limitations:** Discharged patients; Time period; Same facility

**Comments:** This indicator does not differentiate between patients that were admit to MAU via ED and those admitted directly to MAU

### 7. Length of Stay (hours) in MAU for patients aged 65 and over

**Target:** <48hrs

**Criteria:** Patients aged 65+ that were admitted to a MAU

**Numerator:** sum(episode\_length\_hours) where unit\_type = '87' and age in STAY table >=65

**Denominator:** Count of stays where patient was in a MAU and age in STAY table >=65

**Data source:** DAYS\_EPISODE, EPISODE, STAY

**Limitations:** Discharged patients; Time period; Same facility

### 8. % transferred out from MAU within 48hrs

**Target:** No target

**Criteria:** If a patient has been transferred in/out from MAU more than once during the same inpatient episode, the stay is only counted once, but total time in MAU is aggregated.

**Numerator:** Count of stays of stays where sum(episode\_length\_hours) < 48. Currently this may cause a rounding problem, so alternately sum the difference in hours and minutes between start\_date and end\_date for all MAU wards

**Denominator:** Count of stays where patient was in a MAU

**Data source:** DAYS\_EPISODE, EPISODE

**Limitations:** Discharged patients; Time period; Same facility

### 9. % Discharged to home from MAU

**Target:** No Target

**Criteria:** admitted to MAU AND discharged home to place of usual residence from MAU unit

**Numerator:** Count of MAU discharges where trans\_type='DIS' AND unit\_type is a MAU ward in the DAYS\_EPISODE table AND mode\_of\_separation in ('1','2','3','8','11') in the EPISODE table

**Denominator:** Count of stays where patient was in a MAU

**Data source:** DAYS\_EPISODE, EPISODE

**Limitations:** Discharged patients; Time period; Same facility

#### 10. % Discharged to home from MAU within 48hrs

**Target:** No Target

**Criteria:** admitted to MAU AND discharged home to place of usual residence from MAU unit

**Numerator:** Count of MAU stays where trans\_type='DIS' AND unit\_type is a MAU ward in the DAYS\_EPISODE table AND Inpatient mode\_of\_separation in ('1','2','3','8','11') in the EPISODE table where sum(episode\_length\_hours) < 48.

**Denominator:** Count of MAU stays where trans\_type='DIS' AND unit\_type is a MAU ward in the DAYS\_EPISODE table AND Inpatient mode\_of\_separation in ('1','2','3','8','11')

**Data source:** DAYS\_EPISODE, EPISODE

**Limitations:** Discharged patients; Time period; Same facility

#### 11. % MAU Patients transferred to inpatient ward

**Target:** No Target

**Criteria:** Patients admitted to MAU and subsequently transferred to inpatient ward

DAYS\_EPISODE table contains a record with Unit\_type = '87' and trans\_type = 'TRA'

**Numerator:** Count of stays where patient was in a MAU and inpatient ward

**Denominator:** Count of stays where patient was in a MAU

**Data source:** DAYS\_EPISODE, EPISODE

**Limitations:** Discharged patients; Time period; Same facility

#### 12. ALOS of pts transferred to ward from MAU

**Target:** < 7 days

**Criteria:** Patients admitted to MAU and subsequently transferred to inpatient ward

DAYS\_EPISODE table contains a record with Unit\_type = '87' and trans\_type = 'TRA'

**Numerator:** sum(episode\_length\_hours) excluding unit\_type = '17' where patient was in a MAU and inpatient ward

**Denominator:** Count of stays where patient was in a MAU and inpatient ward

**Data source:** DAYS\_EPISODE, EPISODE

**Limitations:** Discharged patients; Time period; Same facility