ASET intervention for falls patients 70+ years who present to the Emergency Department

Prepared by Andrew Wong and Pauline Vueti
ASET
Fairfield Hospital
20 May 2016
Goals of the ASET service

- To provide a specialist Aged care point of contact in the Emergency department for older people with complex needs.
- Improve the care and management of the targeted older people by working collaboratively with the Emergency staff.
- Early intervention by using comprehensive assessment.
- Early referrals from ED to allied health if admitted.
- Facilitate access to available care/support services if discharged from ED.
# ASET assessment

## Assessment:
- Medication compliance
- Social supports
- Home environment with potential hazards
- Physical assessment (vision, hearing, sleep and continence)
- Nutrition assessment
- Pre morbid mobility and ADL function
- Pain assessment
- Cognitive screening AMTS / CAM
- Falls screening

## Referrals to:
- Triple I Hub for Community Nursing
- GP
- My Aged Care
- Meals on wheels / transport
- DVA services
- Chronic and complex care coordinators
- Community allied health: PT / OT / SW / Speech / dietician
- Follow up assessment with CNCs eg. Respiratory, dementia.
Project Aim

- Study the effect of an ED ASET intervention on falls patients aged 70+ compared to usual care (without initial ASET intervention).

- FirstNet data analysed March to August 2014

- 2 Groups: Patients seen by ASET + Doctor (ASET) vs Doctor only (Non ASET)

- Analysed: LOS, NEAT compliance, discharge %, re-presentations that month with another fall or complication.

- NH referrers, Allied health referrals.
ED presentations > 70 years old

<table>
<thead>
<tr>
<th>Month</th>
<th>Total ED presentations &gt; 70</th>
</tr>
</thead>
<tbody>
<tr>
<td>March</td>
<td>465</td>
</tr>
<tr>
<td>April</td>
<td>465</td>
</tr>
<tr>
<td>May</td>
<td>408</td>
</tr>
<tr>
<td>June</td>
<td>429</td>
</tr>
<tr>
<td>July</td>
<td>432</td>
</tr>
<tr>
<td>August</td>
<td>534</td>
</tr>
</tbody>
</table>

86 49 24 44 43 75

NSW Government
South Western Sydney Local Health District
Falls patients seen by ASET vs Non ASET

Falls Patients Mar - Aug 2014

- Total > 70 Falls Seen by ASET (104)
- Total > 70 Falls NOT seen by ASET (178)

May: 20
June: 11
July: 42
August: 43
March: 17
April: 6

- Missed by ASET 63%
- Seen by ASET 37%
Patients that present after hours

% of falls patients that present outside ASET hours

- March: 50%
- April: 70%
- May: 60%
- June: 70%
- July: 40%
- August: 50%

NSW Government
South Western Sydney Local Health District
Length of Stay / NEAT

Length of Stay

- Average ED LOS Falls > 70 (ASET)
- Average ED LOS Falls > 70 (non ASET)
- NEAT

March  April  May  June  July  August
5.3    4.55  4.27  6.27  5.78  5.6   6.92  7.5   6.2   7.9   7.32

NEAT Compliance

- % within NEAT (ASET)
- % within NEAT (non ASET)

March  April  May  June  July  August
64%   66%   50%   58%   45%   38%   45%   40%   41%   36%
Admitted vs Discharged

Falls Patients >70 yo admitted / discharged

% Discharged from ED

- Falls patients admitted
- Falls patients discharged

<table>
<thead>
<tr>
<th>Month</th>
<th>March</th>
<th>April</th>
<th>May</th>
<th>June</th>
<th>July</th>
<th>August</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>22</td>
<td>10</td>
<td>14</td>
<td>16</td>
<td>21</td>
<td>44</td>
<td>39</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Month</th>
<th>March</th>
<th>April</th>
<th>May</th>
<th>June</th>
<th>July</th>
<th>August</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>65</td>
<td>50</td>
<td>56</td>
<td>42</td>
<td>64</td>
<td>37</td>
<td>58</td>
</tr>
</tbody>
</table>

- ASET
- non-ASET

NSW Government
South Western Sydney Local Health District
Nursing Home Presentations

Nursing Home Presentations (falls) March - August

- March: 9
- April: 3
- May: 3
- June: 3
- July: 2
- August: 5
- September: 2
- October: 2
- November: 1
- December: 1

NSW Government
Health
South Western Sydney Local Health District
Referrals to Allied Health

ASET Allied Health Referrals (falls patients) March - August

<table>
<thead>
<tr>
<th>Referral Type</th>
<th>Count</th>
</tr>
</thead>
<tbody>
<tr>
<td>PT</td>
<td>90</td>
</tr>
<tr>
<td>OT</td>
<td>28</td>
</tr>
<tr>
<td>SW</td>
<td>10</td>
</tr>
<tr>
<td>Connecting Care</td>
<td>2</td>
</tr>
<tr>
<td>Dietitian</td>
<td>1</td>
</tr>
<tr>
<td>Falls Clinic</td>
<td>1</td>
</tr>
<tr>
<td>Triple I / Services</td>
<td>10</td>
</tr>
<tr>
<td>Dementia CNC</td>
<td>7</td>
</tr>
<tr>
<td>Palliative Care CNC</td>
<td>1</td>
</tr>
<tr>
<td>Speech</td>
<td>1</td>
</tr>
</tbody>
</table>
Re-presentations

Number of re-presentations in the same month

- Admitted
- Discharged

- Seen by ASET initially
- Not seen by ASET initially

Re-presentations

- ASET: 1
- Non-ASET: 7

TOTAL: 13
Summary and Recommendations

- Fallers over 70 years old ~ 12% of all >70 presentations
- These patients on average tend to breach NEAT times
- Initial ASET assessment can increase the numbers of those who can be safely discharged and reduce number of re-presentation.
- Pain management and lack of referral to allied health are the main reasons for re-presentation
- ASET service restricted currently – miss a lot of patients
- Consider transfer to MAU / ESSU
Future Steps

- Use of MAU / ESSU (education)
- ASET after hours referral booklet
- Staff education and screening at triage
- Discharge checklist (allied health referrals?, pain Mx plan?)
- Follow up phone call to patients
- Reasons for NH presentations