

The utilisation of Emergency Departments by centenarians in NSW: an observational study

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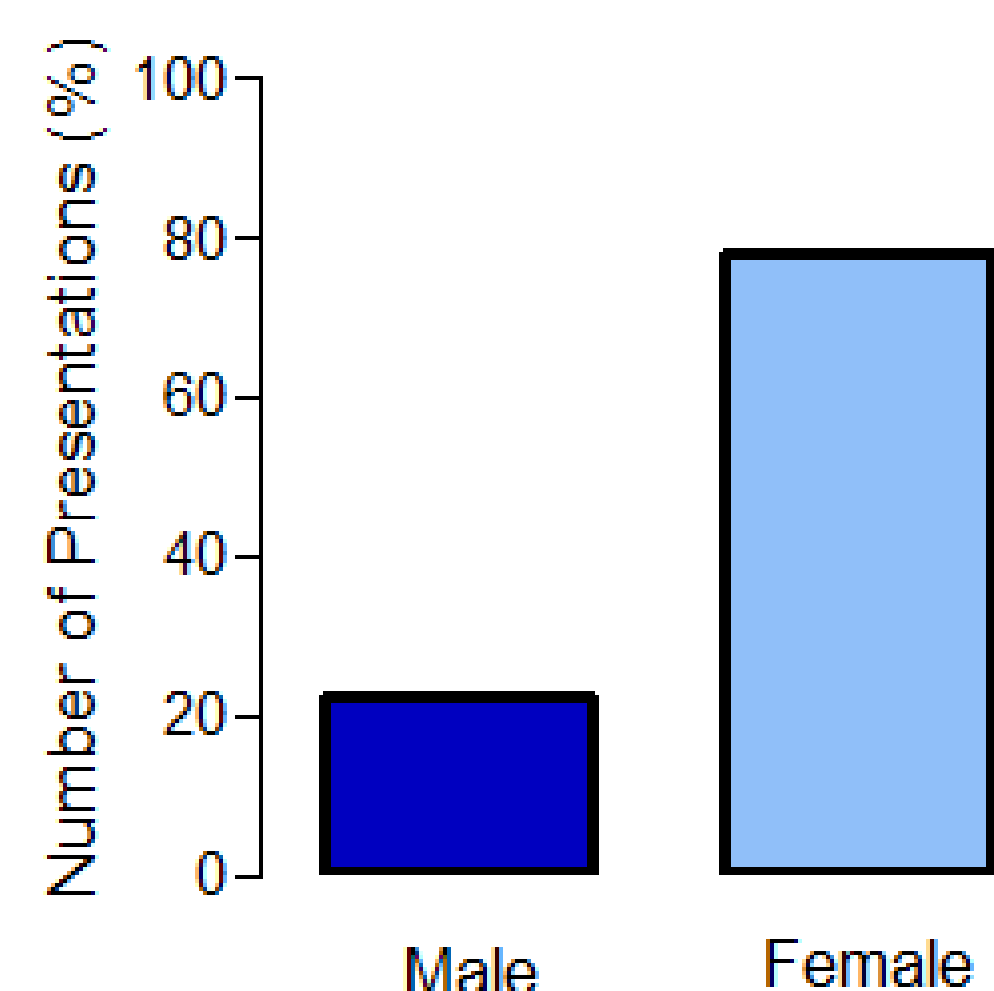
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Background

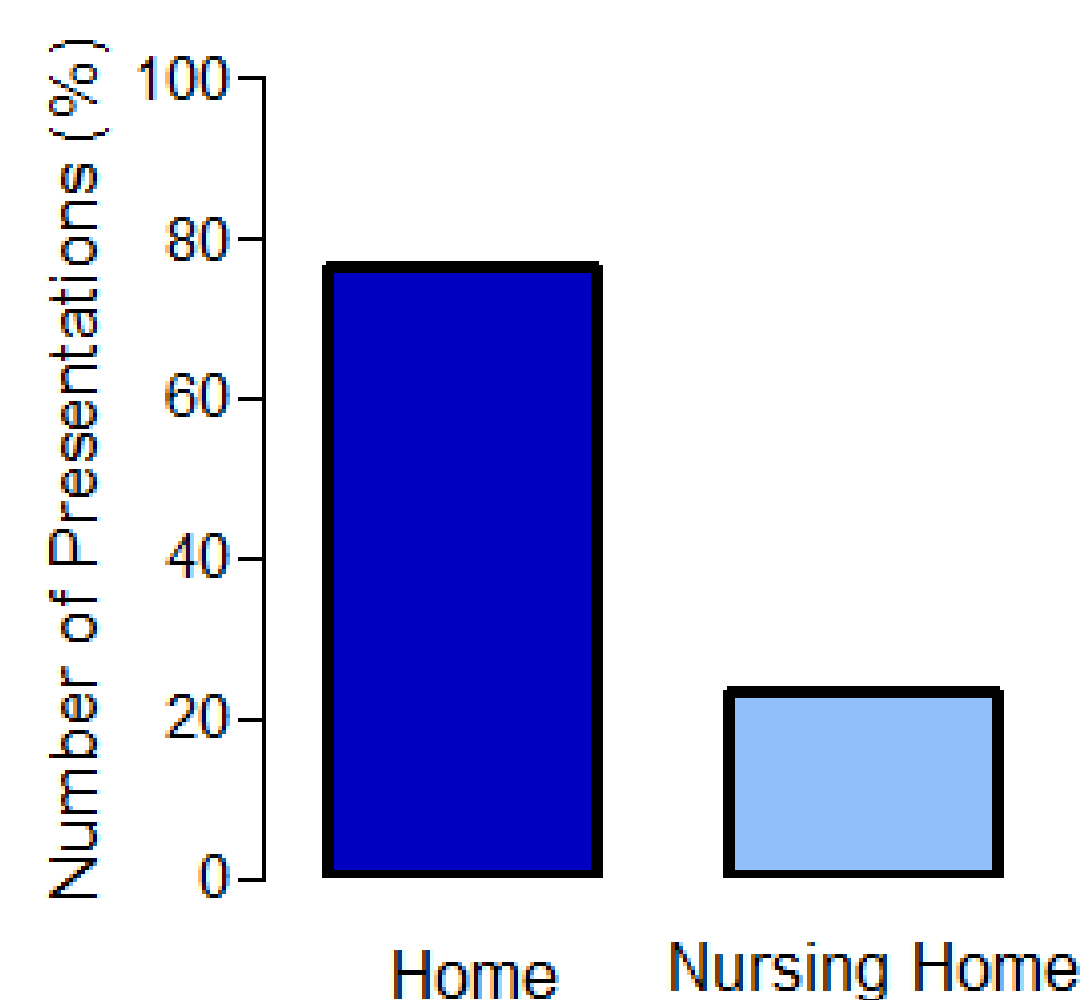
- The fastest growing age group in Australia are centenarians.
- There are currently 1,743 centenarians living in NSW, out of a total of 4,870 across Australia (ABS 2016).
- This age group have the highest rate per population of ED presentations, with a crude presentation rate around 70% per year (BHI 2016).
- No studies of ED use by centenarians have been conducted in Australia.
- This study looks at presentations, presenting problems, admissions and outcomes for this population group.

Results:

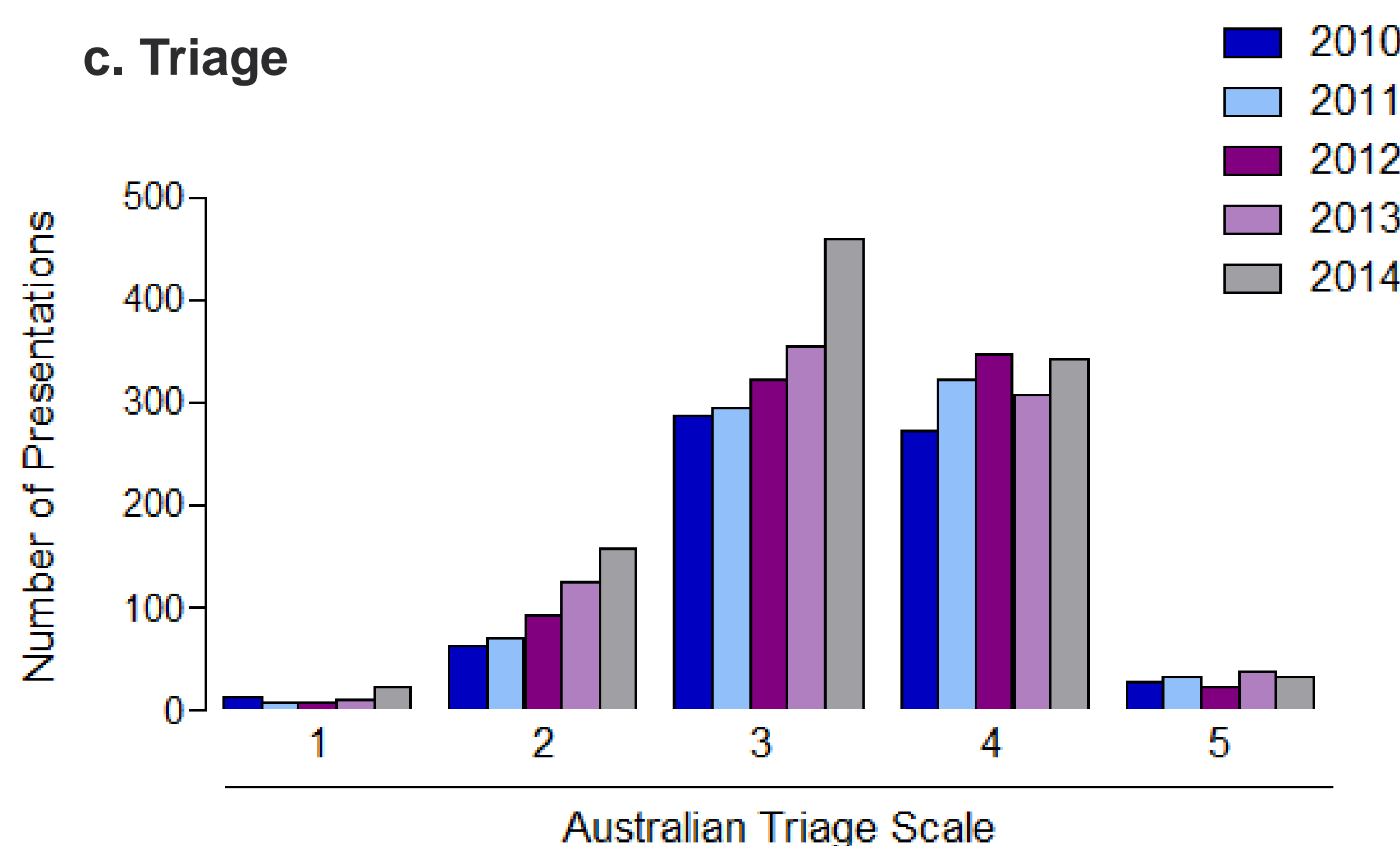
a. Gender



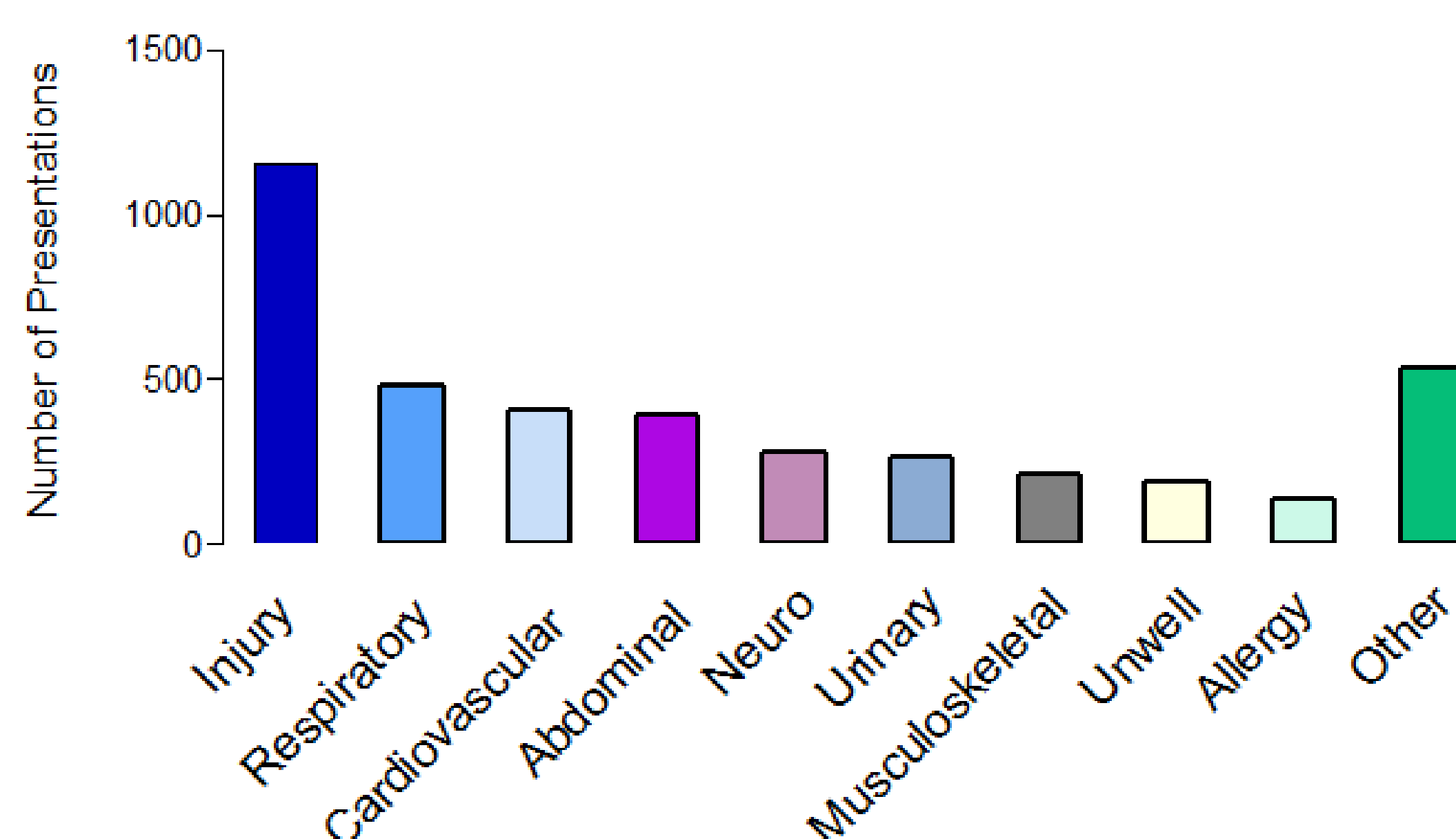
b. Place of residence



c. Triage



d. Presenting problem by category



Project Aim

To describe the utilization of emergency departments by people aged 100 years and over with a focus on demographics, presenting problem and patient flow



Methods

A retrospective observation study in 150 EDs in NSW. Data collected as part of the "Demand for Emergency Service Trends IN Years 2010-14 (DESTINY10.14#) project" was analysed.

10,798,797
ED presentations
captured for all age
groups between 2010-14



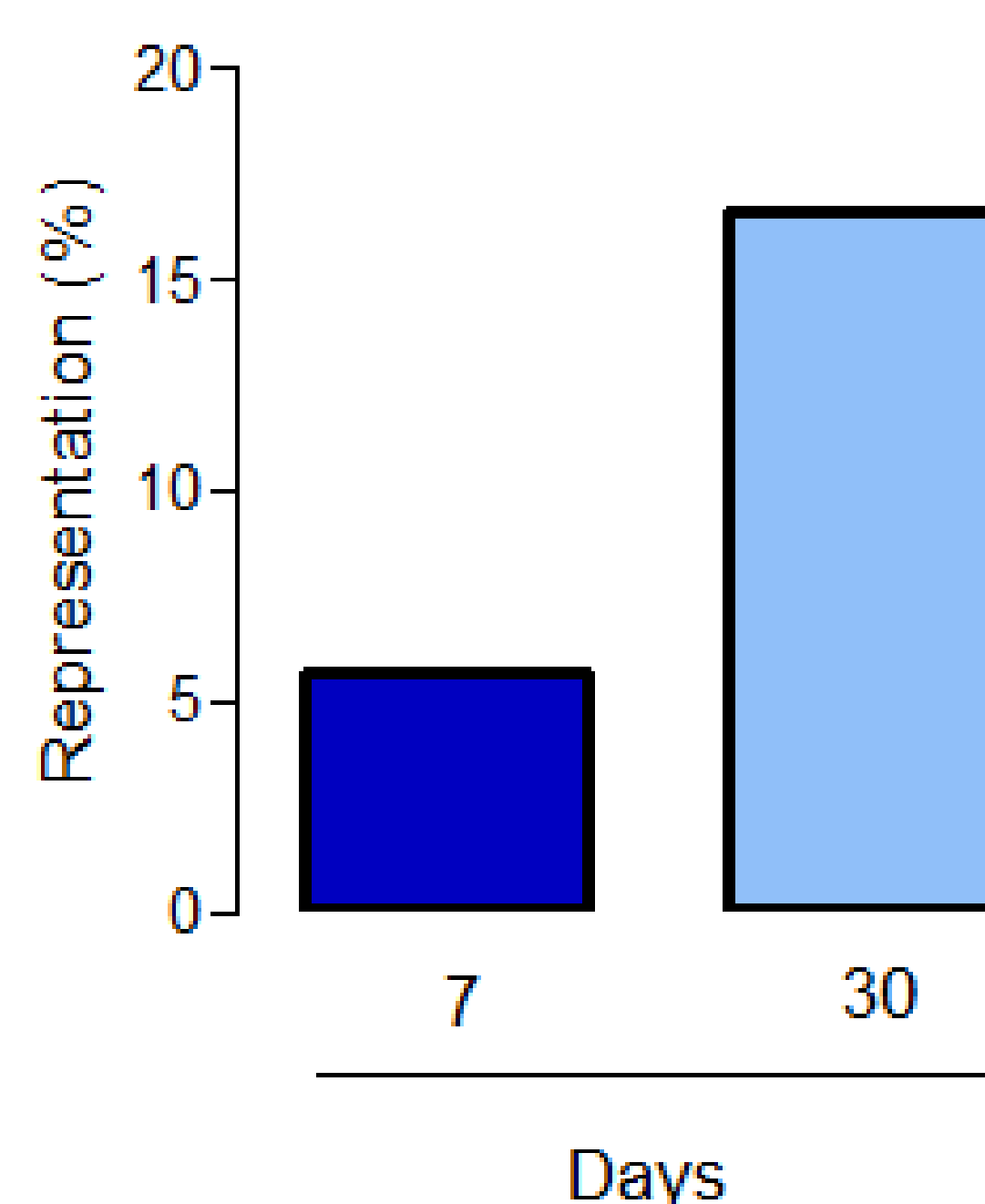
4,033
ED presentations for
people aged 100
years old and over

Primary outcomes:

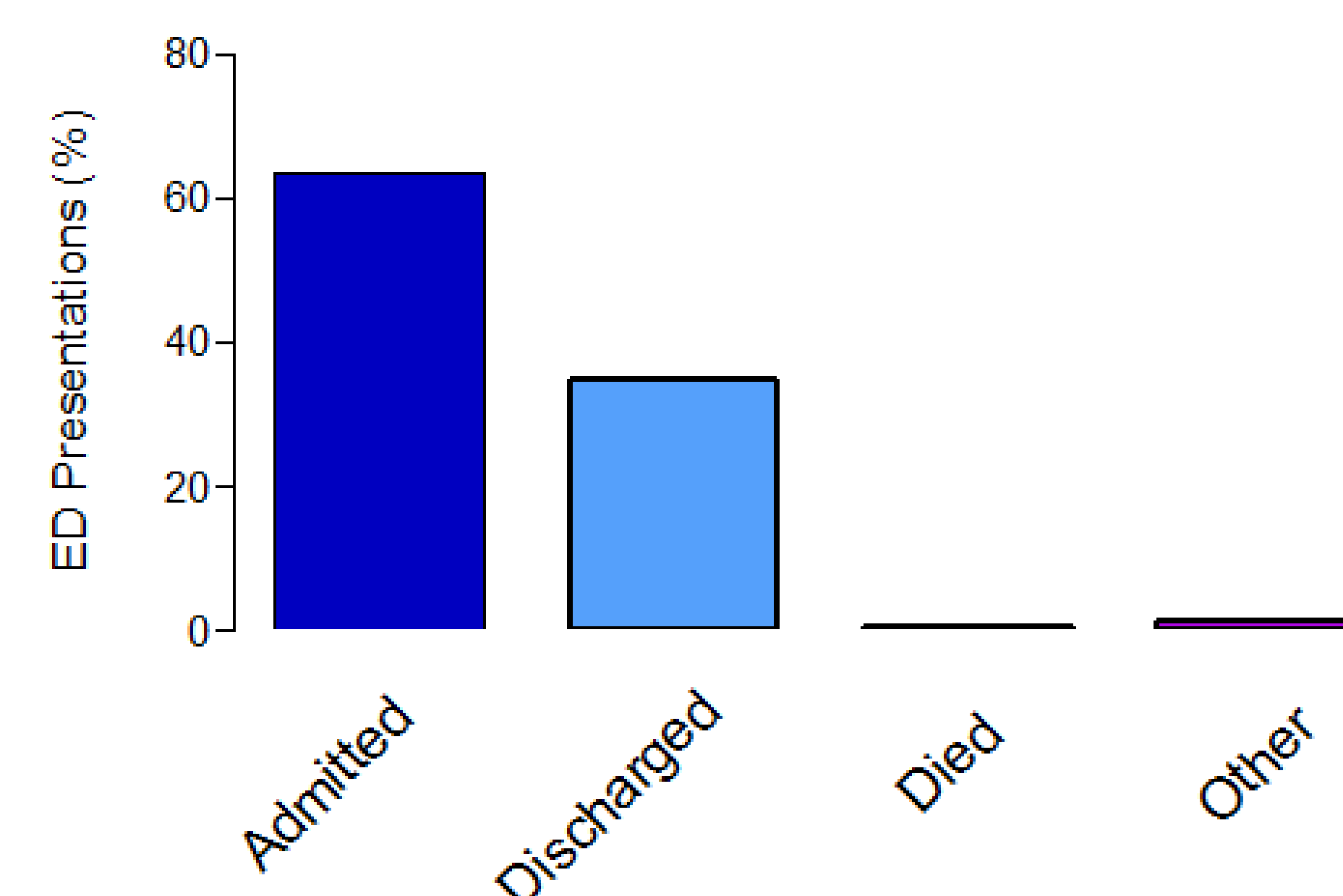
1. Patient demographics
2. Presenting problem
3. Patient flow.

Dinh *et al*, EMA 2016, 28, 307-312

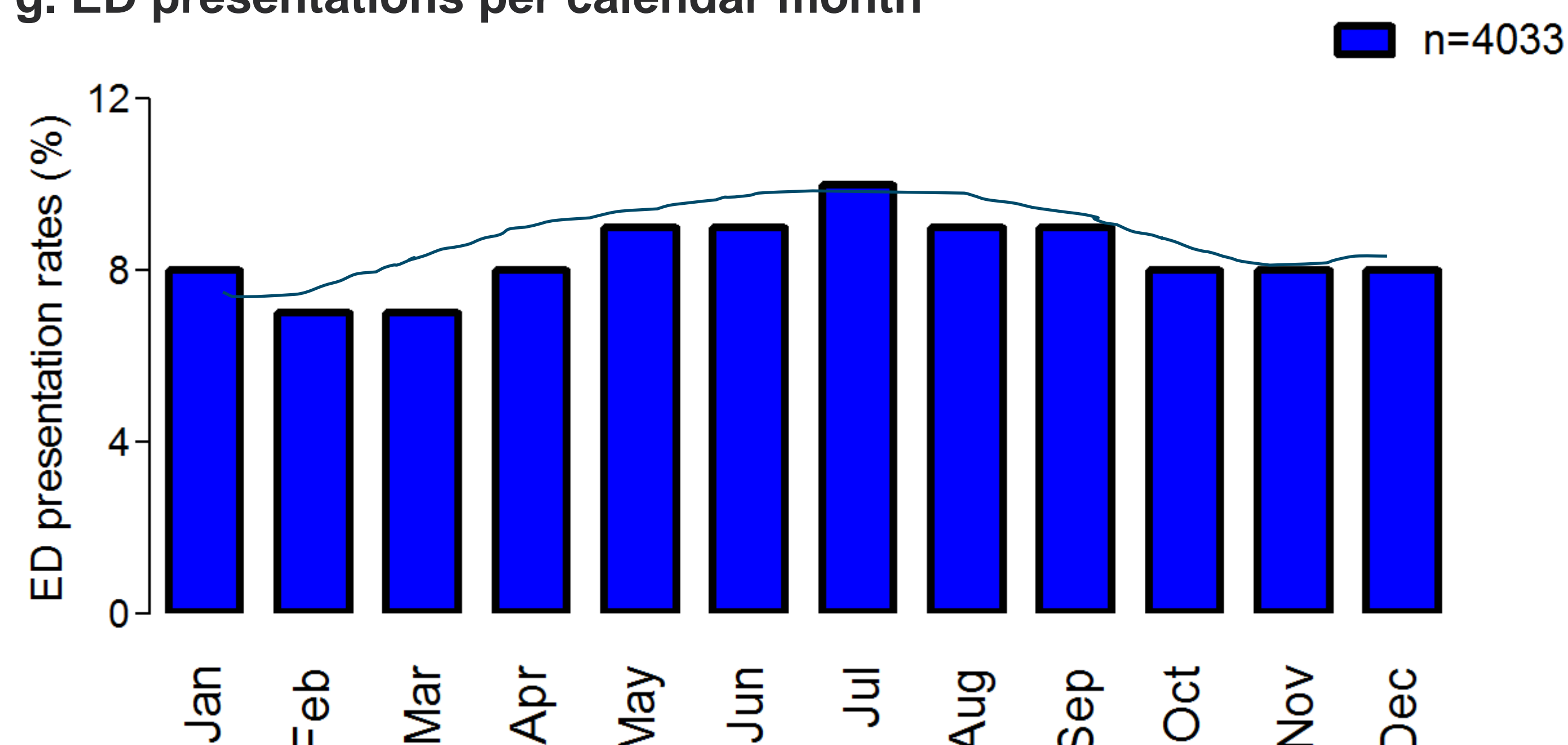
e. ED representation



f. Destination



g. ED presentations per calendar month



Conclusion

- ED presentations by patients aged 100 years and over are increasing over time. Most of these patients are female and around 75% are still living at home.
- The most common presenting problem is injury, generally due to falls, and they usually require admission, with an admission rate of over 60%.
- Given their high admission rate, future endeavours may include looking at pathways to streamline these patients through the emergency department.