

Mona Vale and District Hospital: Emergency department (ED) overview

October to December 2017

All presentations:¹ 8,908 patients
Emergency presentations:² 8,871 patients

| Same period last year | Change since one year ago |
|-----------------------|---------------------------|
| 9,168 | -2.8% |
| 9,089 | -2.4% |

Mona Vale and District Hospital: Time patients waited to start treatment³

October to December 2017

Triage 2 Emergency (e.g. chest pain, severe burns): 1,149 patients

Median time to start treatment⁴ 6 minutes
90th percentile time to start treatment⁵ 10 minutes

Triage 3 Urgent (e.g. moderate blood loss, dehydration): 3,125 patients

Median time to start treatment⁴ 15 minutes
90th percentile time to start treatment⁵ 36 minutes

Triage 4 Semi-urgent (e.g. sprained ankle, earache): 3,506 patients

Median time to start treatment⁴ 14 minutes
90th percentile time to start treatment⁵ 74 minutes

Triage 5 Non-urgent (e.g. small cuts or abrasions): 1,046 patients

Median time to start treatment⁴ 16 minutes
90th percentile time to start treatment⁵ 96 minutes

| Same period last year | NSW (this period) |
|-----------------------|-------------------|
| 1,189 | |
| 7 minutes | 8 minutes |
| 11 minutes | 23 minutes |
| 3,144 | |
| 15 minutes | 20 minutes |
| 45 minutes | 65 minutes |
| 3,646 | |
| 14 minutes | 26 minutes |
| 79 minutes | 99 minutes |
| 1,081 | |
| 13 minutes | 23 minutes |
| 96 minutes | 103 minutes |

Mona Vale and District Hospital: Time from presentation until leaving the ED

October to December 2017

Attendances used to calculate time to leaving the ED:⁶ 8,908 patients

Percentage of patients who spent four hours or less in the ED 88.2%

| Same period last year | Change since one year ago |
|-----------------------|---------------------------|
| 9,168 | -2.8% |
| 85.3% | |

* Suppressed due to small number of patients and to protect privacy. Relevant graphs are also suppressed.

- All emergency and non-emergency attendances at the emergency department (ED).
- All attendances that have a triage category and are coded as emergency presentations or unplanned return visits.
- Some patients are excluded from ED time measures due to calculation requirements. For details, see the *Technical Supplement: Emergency department measures, July to September 2016*.
- The median is the time by which half of patients started treatment. The other half of patients waited equal to or longer than this time.
- The 90th percentile is the time by which 90% of patients started treatment. The final 10% of patients waited equal to or longer than this time.
- All presentations that have a departure time.

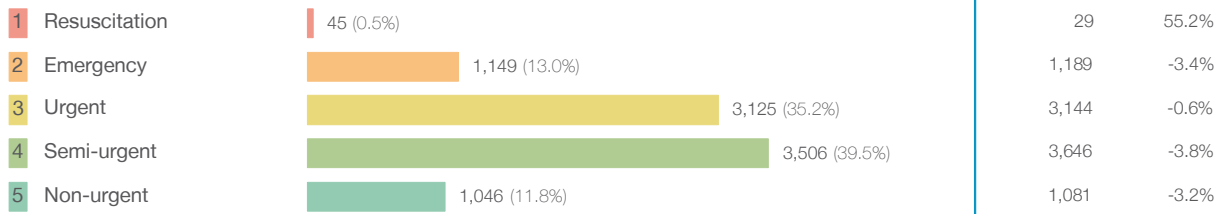
Note: Presentation time is the earlier time recorded for clerical registration or the triage process. Treatment time is the earliest time recorded when a healthcare professional provides medical care relevant to the patient's presenting problems.

Source: Health Information Exchange, NSW Health (extracted 23 January 2018).

Mona Vale and District Hospital: Patients presenting to the emergency department October to December 2017

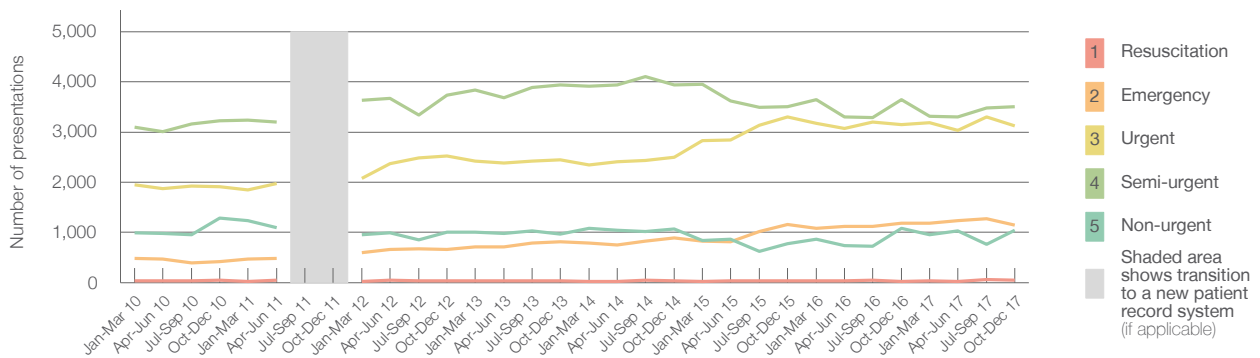
All presentations:¹ 8,908 patients

Emergency presentations² by triage category: 8,871 patients



| Same period last year | Change since one year ago |
|-----------------------|---------------------------|
| 9,168 | -2.8% |
| 9,089 | -2.4% |
| 29 | 55.2% |
| 1,189 | -3.4% |
| 3,144 | -0.6% |
| 3,646 | -3.8% |
| 1,081 | -3.2% |

Emergency presentations² by quarter, January 2010 to December 2017 †



| | Oct-Dec 2010 | Oct-Dec 2011 | Oct-Dec 2012 | Oct-Dec 2013 | Oct-Dec 2014 | Oct-Dec 2015 | Oct-Dec 2016 | Oct-Dec 2017 |
|-----------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Resuscitation | 48 | | 39 | 36 | 41 | 37 | 29 | 45 |
| Emergency | 417 | | 665 | 820 | 888 | 1,153 | 1,189 | 1,149 |
| Urgent | 1,905 | | 2,529 | 2,452 | 2,495 | 3,299 | 3,144 | 3,125 |
| Semi-urgent | 3,227 | | 3,740 | 3,941 | 3,941 | 3,501 | 3,646 | 3,506 |
| Non-urgent | 1,287 | | 1,011 | 969 | 1,068 | 772 | 1,081 | 1,046 |
| All emergency presentations | 6,884 | | 7,984 | 8,218 | 8,433 | 8,762 | 9,089 | 8,871 |

Mona Vale and District Hospital: Patients arriving by ambulance October to December 2017

Arrivals used to calculate transfer of care time:⁷ 1,733 patients

ED Transfer of care time



| Same period last year | Change since one year ago |
|-----------------------|---------------------------|
| 1,624 | |
| 10 minutes | -1 minute |
| 19 minutes | -2 minutes |

(†) Data points are not shown in graphs for quarters when patient numbers are too small.

(‡) Caution is advised when interpreting abrupt changes over time at the hospital level. For example, performance before and after transition to a new information system is not directly comparable. For more information, see Background Paper: Approaches to reporting time measures of emergency department performance, December 2011.

Mona Vale and District Hospital: Time patients waited to start treatment, triage 2 October to December 2017

Triage 2 Emergency (e.g. chest pain, severe burns)

Number of triage 2 patients: 1,149

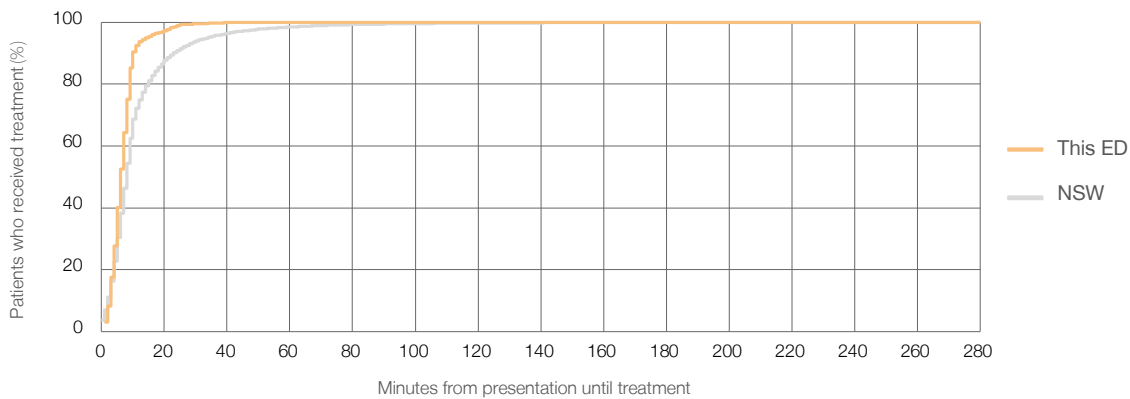
Number of triage 2 patients used to calculate waiting time:³ 1,147

Median time to start treatment⁴ 6 minutes

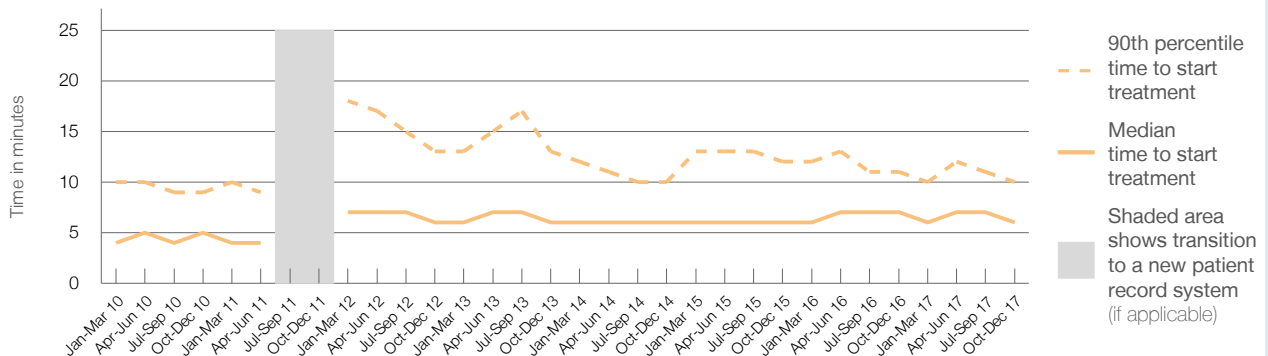
90th percentile time to start treatment⁵ 10 minutes

| Same period last year | NSW (this period) |
|-----------------------|-------------------|
| 1,189 | 1,188 |
| 7 minutes | 8 minutes |
| 11 minutes | 23 minutes |

Percentage of triage 2 patients who received treatment by time, October to December 2017



Time patients waited to start treatment (minutes) for triage 2 patients, January 2010 to December 2017^{†‡}



| | Oct-Dec 2010 | Oct-Dec 2011 | Oct-Dec 2012 | Oct-Dec 2013 | Oct-Dec 2014 | Oct-Dec 2015 | Oct-Dec 2016 | Oct-Dec 2017 |
|--|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Median time to start treatment ⁴ (minutes) | 5 | | 6 | 6 | 6 | 6 | 7 | 6 |
| 90th percentile time to start treatment ⁵ (minutes) | 9 | | 13 | 13 | 10 | 12 | 11 | 10 |

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Mona Vale and District Hospital: Time patients waited to start treatment, triage 3 October to December 2017

Triage 3 Urgent (e.g. moderate blood loss, dehydration)

Number of triage 3 patients: 3,125

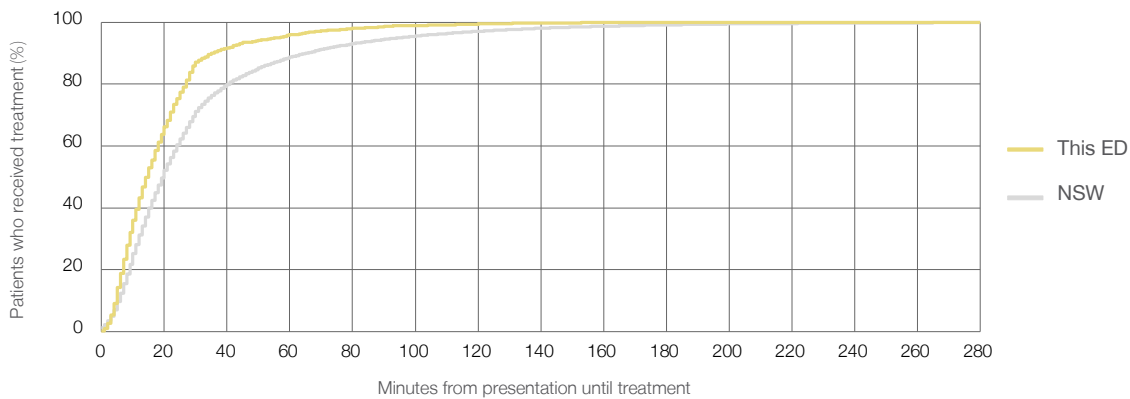
Number of triage 3 patients used to calculate waiting time:³ 3,093

Median time to start treatment⁴ 15 minutes

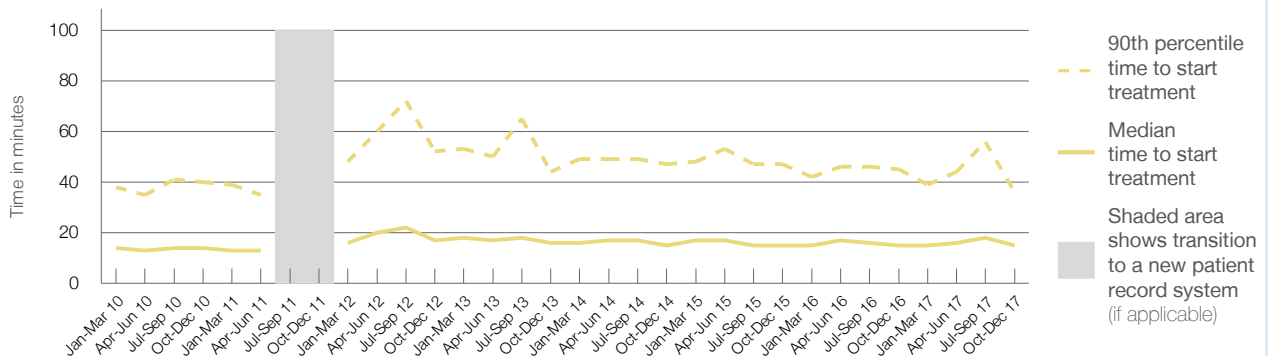
90th percentile time to start treatment⁵ 36 minutes

| Same period last year | NSW (this period) |
|-----------------------|-------------------|
| 3,144 | 3,111 |
| 15 minutes | 20 minutes |
| 45 minutes | 65 minutes |

Percentage of triage 3 patients who received treatment by time, October to December 2017



Time patients waited to start treatment (minutes) for triage 3 patients, January 2010 to December 2017^{†‡}



| | Oct-Dec 2010 | Oct-Dec 2011 | Oct-Dec 2012 | Oct-Dec 2013 | Oct-Dec 2014 | Oct-Dec 2015 | Oct-Dec 2016 | Oct-Dec 2017 |
|--|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Median time to start treatment ⁴ (minutes) | 14 | | 17 | 16 | 15 | 15 | 15 | 15 |
| 90th percentile time to start treatment ⁵ (minutes) | 40 | | 52 | 44 | 47 | 47 | 45 | 36 |

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Mona Vale and District Hospital: Time patients waited to start treatment, triage 4 October to December 2017

Triage 4 Semi-urgent (e.g. sprained ankle, earache)

Number of triage 4 patients: 3,506

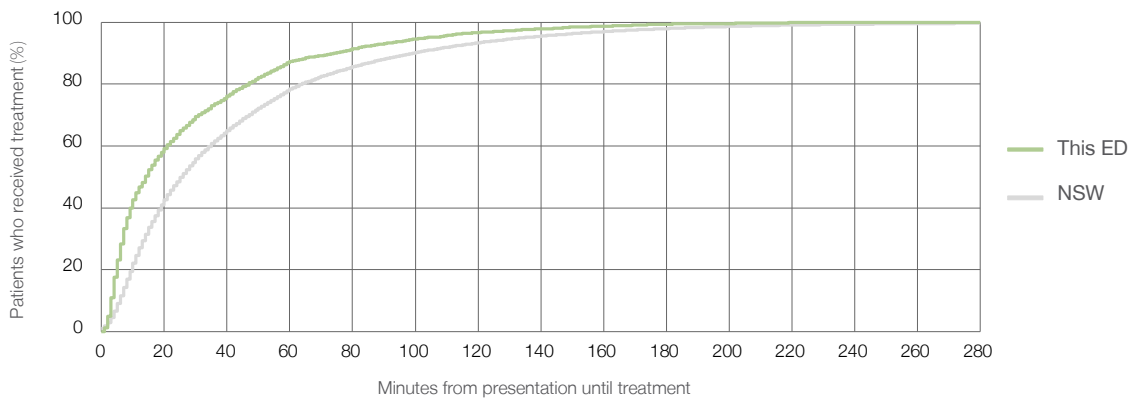
Number of triage 4 patients used to calculate waiting time:³ 3,347

Median time to start treatment⁴ 14 minutes

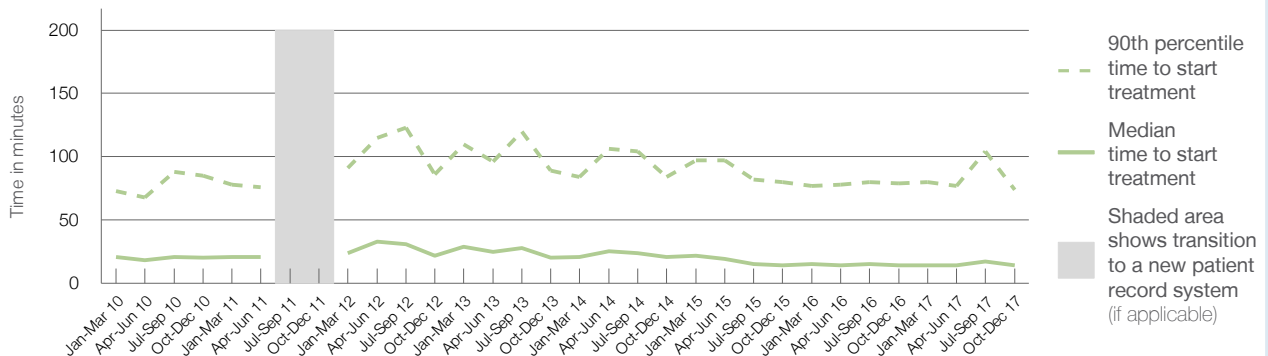
90th percentile time to start treatment⁵ 74 minutes

| Same period last year | NSW (this period) |
|-----------------------|-------------------|
| 3,646 | 3,502 |
| 14 minutes | 26 minutes |
| 79 minutes | 99 minutes |

Percentage of triage 4 patients who received treatment by time, October to December 2017



Time patients waited to start treatment (minutes) for triage 4 patients, January 2010 to December 2017^{†‡}



| | Oct-Dec 2010 | Oct-Dec 2011 | Oct-Dec 2012 | Oct-Dec 2013 | Oct-Dec 2014 | Oct-Dec 2015 | Oct-Dec 2016 | Oct-Dec 2017 |
|--|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Median time to start treatment ⁴ (minutes) | 20 | | 22 | 20 | 21 | 14 | 14 | 14 |
| 90th percentile time to start treatment ⁵ (minutes) | 85 | | 86 | 89 | 84 | 80 | 79 | 74 |

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Mona Vale and District Hospital: Time patients waited to start treatment, triage 5 October to December 2017

Triage 5 Non-urgent (e.g. small cuts or abrasions)

Number of triage 5 patients: 1,046

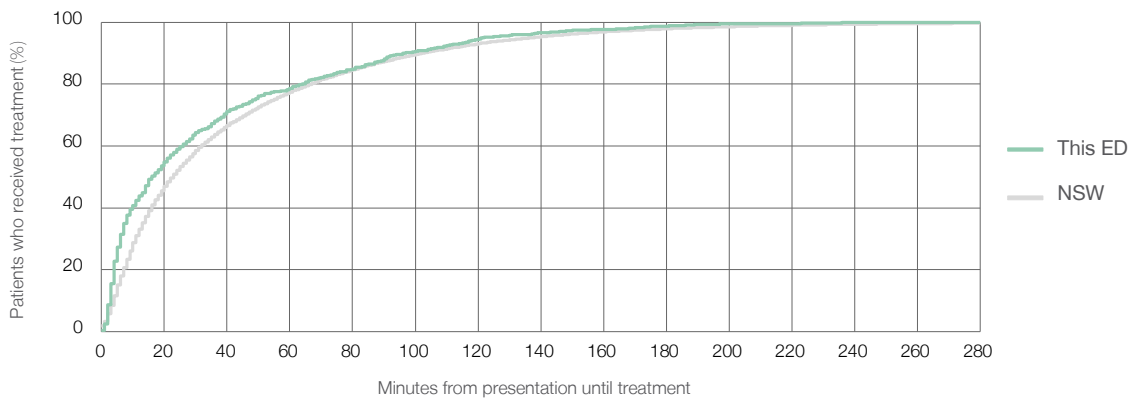
Number of triage 5 patients used to calculate waiting time:³ 943

Median time to start treatment⁴ 16 minutes

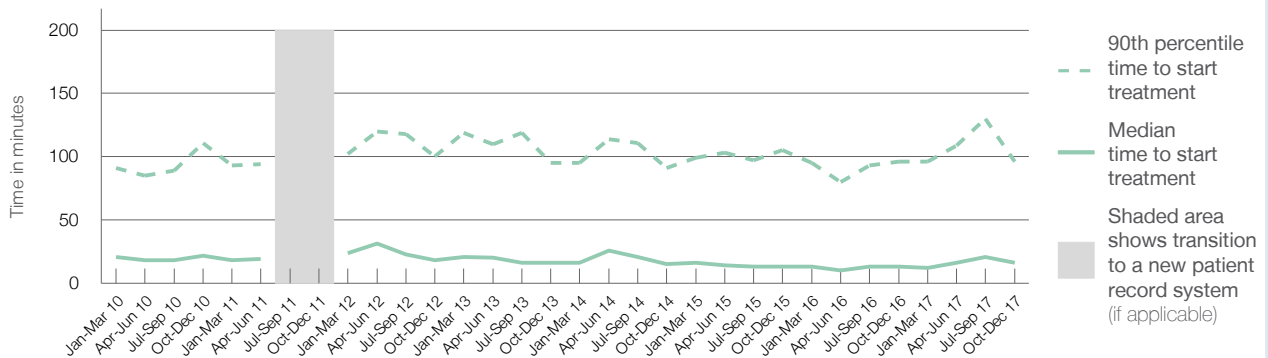
90th percentile time to start treatment⁵ 96 minutes

| Same period last year | NSW (this period) |
|-----------------------|-------------------|
| 1,081 | 998 |
| 13 minutes | 23 minutes |
| 96 minutes | 103 minutes |

Percentage of triage 5 patients who received treatment by time, October to December 2017



Time patients waited to start treatment (minutes) for triage 5 patients, January 2010 to December 2017^{†‡}



| | Oct-Dec 2010 | Oct-Dec 2011 | Oct-Dec 2012 | Oct-Dec 2013 | Oct-Dec 2014 | Oct-Dec 2015 | Oct-Dec 2016 | Oct-Dec 2017 |
|--|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Median time to start treatment ⁴ (minutes) | 22 | | 18 | 16 | 15 | 13 | 13 | 16 |
| 90th percentile time to start treatment ⁵ (minutes) | 111 | | 100 | 95 | 91 | 105 | 96 | 96 |

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Mona Vale and District Hospital: Time patients spent in the ED

October to December 2017

All presentations:¹ 8,908 patients

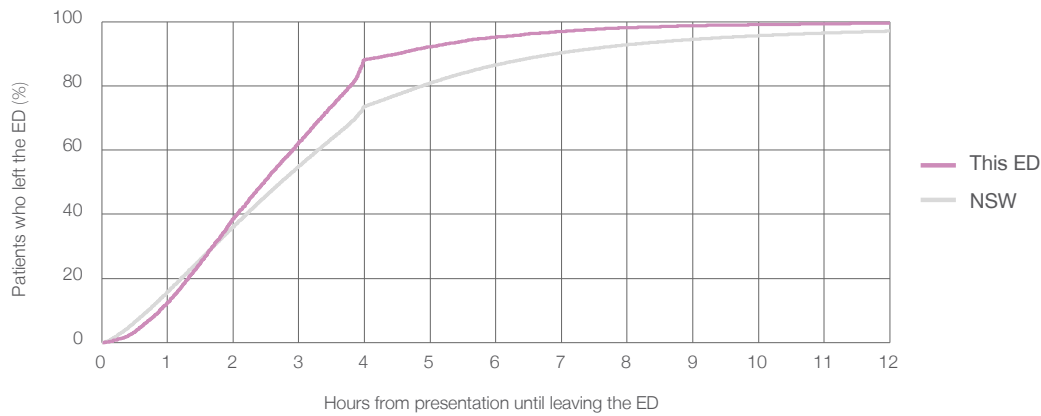
Presentations used to calculate time to leaving the ED:⁶ 8,908 patients

Median time spent in the ED⁸ 2 hours and 29 minutes

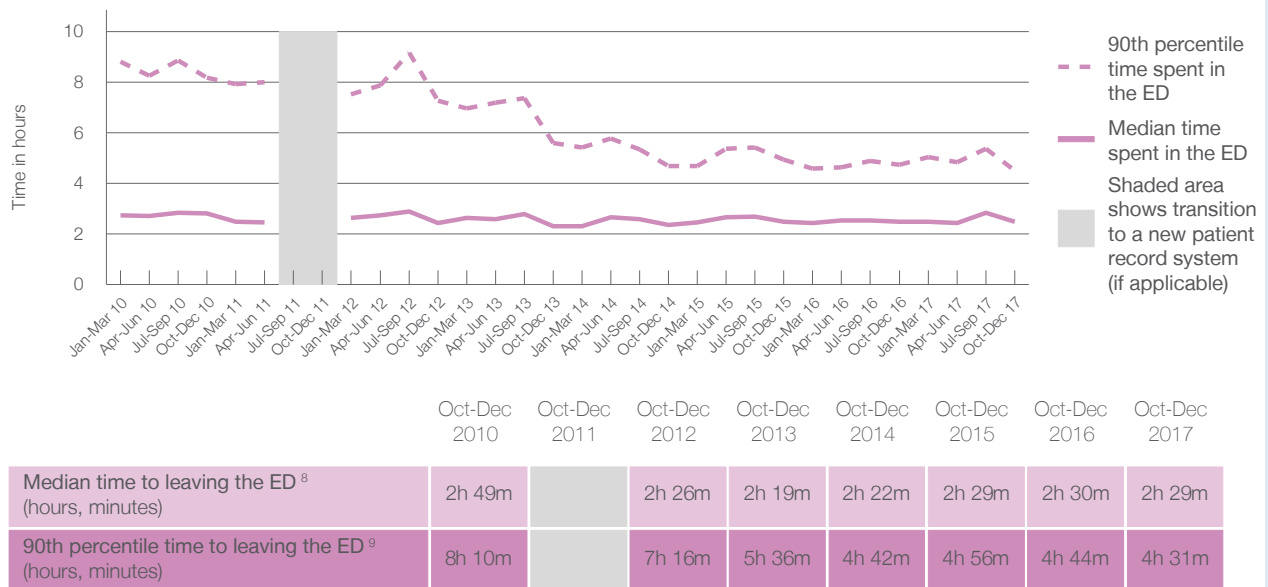
90th percentile time spent in the ED⁹ 4 hours and 31 minutes

| Same period last year | NSW (this period) |
|------------------------|------------------------|
| 9,168 | 9,168 |
| 2 hours and 30 minutes | 2 hours and 44 minutes |
| 4 hours and 44 minutes | 6 hours and 55 minutes |

Percentage of patients who left the ED by time, October to December 2017



Time patients spent in the ED, by quarter, January 2010 to December 2017^{†‡}



(†) Data points are not shown in graphs for quarters when patient numbers are too small.

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Mona Vale and District Hospital: Time patients spent in the ED

By mode of separation

October to December 2017

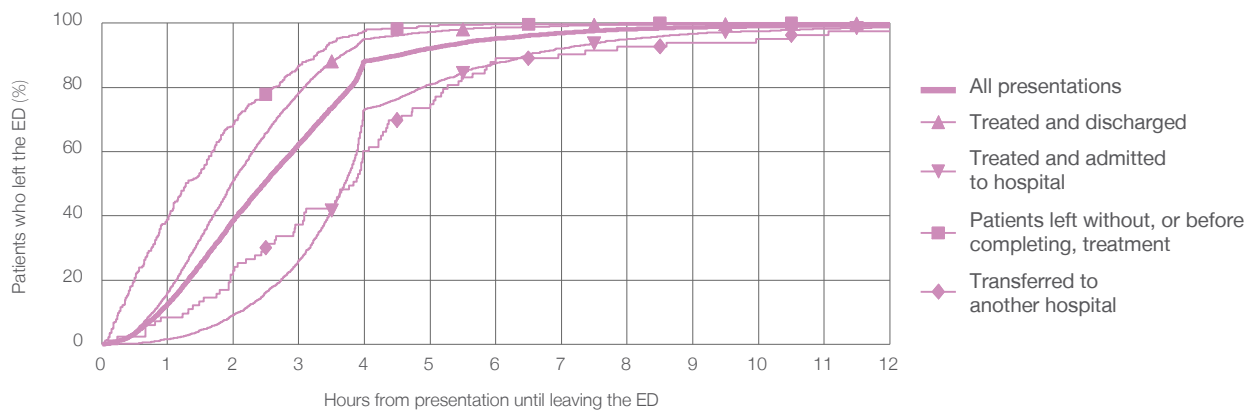
All presentations:¹ 8,908 patients

Presentations used to calculate time to leaving the ED:⁶ 8,908 patients

| | |
|---|---------------|
| Treated and discharged | 5,741 (64.4%) |
| Treated and admitted to hospital | 2,720 (30.5%) |
| Patient left without, or before completing, treatment | 357 (4.0%) |
| Transferred to another hospital | 83 (0.9%) |
| Other | 7 (0.1%) |

| Same period last year | Change since one year ago |
|-----------------------|---------------------------|
| 9,168 | -2.8% |
| 6,119 | -6.2% |
| 2,611 | 4.2% |
| 339 | 5.3% |
| 92 | -9.8% |
| 7 | 0.0% |

Percentage of patients who left the ED by time and mode of separation, October to December 2017^{†‡}



1 hour 2 hours 3 hours 4 hours 6 hours 8 hours 10 hours 12 hours

| | 1 hour | 2 hours | 3 hours | 4 hours | 6 hours | 8 hours | 10 hours | 12 hours |
|---|--------|---------|---------|---------|---------|---------|----------|----------|
| Treated and discharged | 16.1% | 51.1% | 78.3% | 95.1% | 98.6% | 99.5% | 99.8% | 99.9% |
| Treated and admitted to hospital | 1.5% | 9.2% | 26.2% | 73.2% | 87.6% | 95.0% | 97.6% | 98.7% |
| Patient left without, or before completing, treatment | 38.9% | 68.6% | 86.8% | 97.5% | 99.7% | 100% | 100% | 100% |
| Transferred to another hospital | 8.4% | 22.9% | 37.3% | 60.2% | 89.2% | 92.8% | 95.2% | 97.6% |
| All presentations | 12.5% | 38.8% | 62.3% | 88.2% | 95.2% | 98.1% | 99.1% | 99.5% |

(†) Data points are not shown in graphs for quarters when patient numbers are too small.

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Mona Vale and District Hospital: Time spent in the ED
 Percentage of patients who spent four hours or less in the ED
 October to December 2017

All presentations at the emergency department: ¹ 8,908 patients

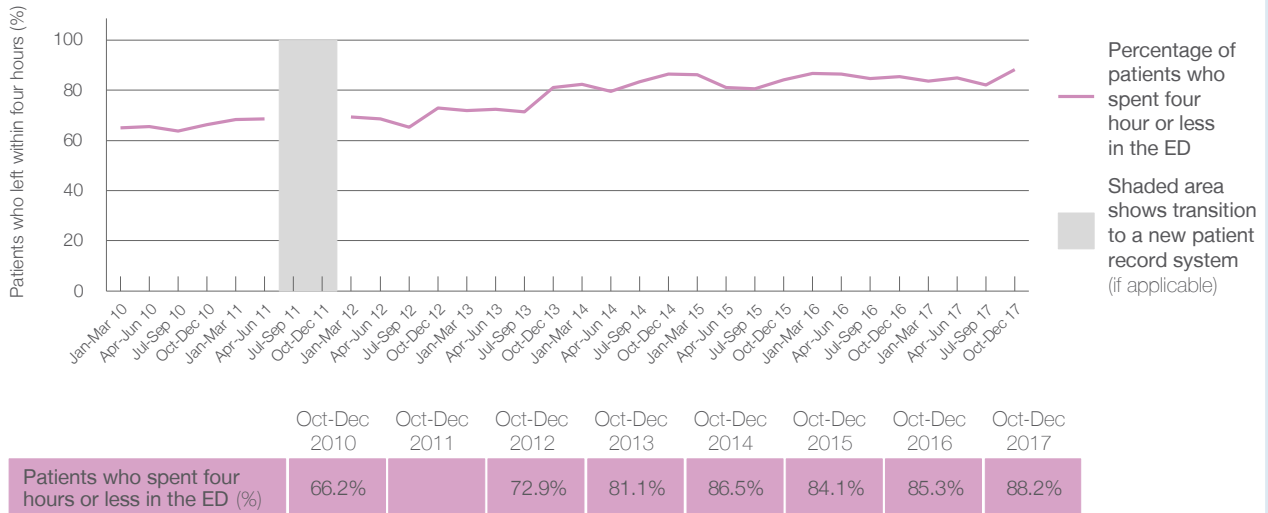
Presentations used to calculate time to leaving the ED: ⁶ 8,908 patients

Percentage of patients who spent four hours or less in the ED



| | Same period last year | Change since one year ago |
|---|-----------------------|---------------------------|
| All presentations at the emergency department | 9,168 | -2.8% |
| Presentations used to calculate time to leaving the ED | 9,168 | -2.8% |
| Percentage of patients who spent four hours or less in the ED | 85.3% | |

Percentage of patients who spent four hours or less in the ED, by quarter, January 2010 to December 2017 ^{†‡}



* Suppressed due to small numbers and to protect privacy. Relevant graphs are also suppressed.

† Data points are not shown in graphs for quarters when patient numbers were too small.

‡ Caution is advised when interpreting abrupt changes over time at the hospital level. For example, performance before and after transition to a new information system is not directly comparable. For more information see *Background Paper: Approaches to reporting time measures of emergency department performance, December 2011*.

- All emergency and non-emergency presentations at the emergency department (ED).
- All presentations that have a triage category and are coded as emergency presentations or unplanned return visits.
- Some patients are excluded from ED time measures due to calculation requirements. For details, see the *Technical Supplement: Emergency department measures, July to September 2016*.
- The median is the time by which half of patients started treatment. The other half of patients took equal to or longer than this time.
- The 90th percentile is the time by which 90% of patients started treatment. The final 10% of patients took equal to or longer than this time.
- All presentations that have a departure time.
- Transfer of care time refers to the period between arrival of patients at the ED by ambulance and the transfer of responsibility for their care from paramedics to ED staff in an ED treatment zone. For more information see *Spotlight on Measurement: measuring transfer of care from the ambulance to the emergency department*.
- The median is the time by which half of patients left the ED. The other half of patients took equal to or longer than this time.
- The 90th percentile is the time by which 90% of patients left the ED. The final 10% of patients took equal to or longer than this time.

Note: Presentation time is the earlier of times recorded for the start of clerical registration or the triage process. Treatment time is the earliest time recorded when a healthcare professional provides medical care that is relevant to the patient's presenting problems. For patients who were treated and discharged, departure time is the time when treatment was completed. For all other patients, departure time is the time when the patient actually left the ED.

Note: All percentages are rounded and therefore percentages may not add to 100%.

Sources: ED data from Health Information Exchange, NSW Health (extracted 23 January 2018). Transfer of care data from Transfer of Care Reporting System (extracted 23 January 2018).