

Dubbo Base Hospital: Emergency department (ED) overview

April to June 2018



All presentations:¹ 8,387 patients
 Emergency presentations:² 7,918 patients

| Same period last year | Change since one year ago |
|-----------------------|---------------------------|
| 8,346 | 0% |
| 8,001 | -1% |



Dubbo Base Hospital: Time patients waited to start treatment³

April to June 2018

Triage 2 Emergency (e.g. chest pain, severe burns): 972 patients

Median time to start treatment⁴  9 minutes
 90th percentile time to start treatment⁵  20 minutes

Triage 3 Urgent (e.g. moderate blood loss, dehydration): 2,558 patients

Median time to start treatment⁴  23 minutes
 90th percentile time to start treatment⁵  66 minutes

Triage 4 Semi-urgent (e.g. sprained ankle, earache): 3,611 patients

Median time to start treatment⁴  30 minutes
 90th percentile time to start treatment⁵  112 minutes

Triage 5 Non-urgent (e.g. small cuts or abrasions): 755 patients

Median time to start treatment⁴  28 minutes
 90th percentile time to start treatment⁵  116 minutes

| Same period last year | NSW (this period) |
|-----------------------|-------------------|
| 990 | |
| 9 minutes | 8 minutes |
| 20 minutes | 24 minutes |
| 2,870 | |
| 27 minutes | 19 minutes |
| 82 minutes | 63 minutes |
| 3,397 | |
| 35 minutes | 24 minutes |
| 124 minutes | 95 minutes |
| 726 | |
| 31 minutes | 21 minutes |
| 125 minutes | 96 minutes |

Dubbo Base Hospital: Time from presentation until leaving the ED

April to June 2018

Attendances used to calculate time to leaving the ED:⁶ 8,385 patients

Percentage of patients who spent four hours or less in the ED  69%

| Same period last year | Change since one year ago |
|-----------------------|---------------------------|
| 8,346 | 0% |
| 69% | |

* 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, January to March 2018*.
- 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 18 July 2018).

Dubbo Base Hospital: Patients presenting to the emergency department

April to June 2018

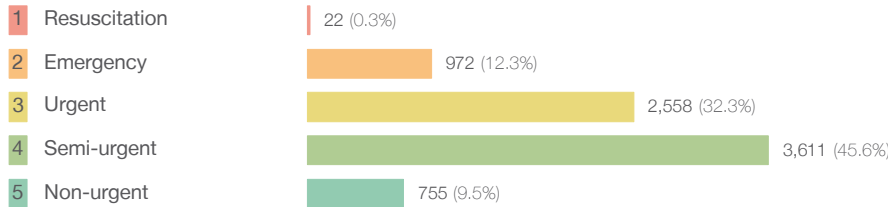
All presentations:¹ 8,387 patients

Same period last year
Change since one year ago

8,346 0%

Emergency presentations² by triage category: 7,918 patients

8,001 -1%



18 22.2%

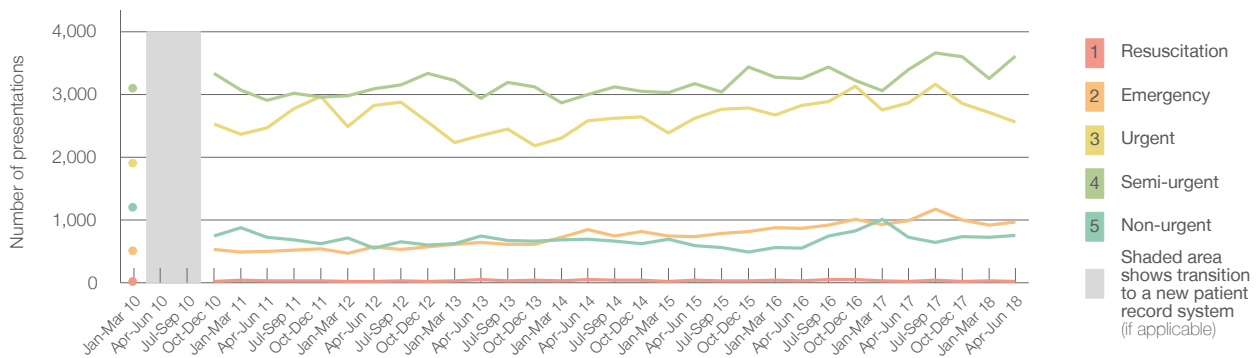
990 -1.8%

2,870 -10.9%

3,397 6.3%

726 4.0%

Emergency presentations² by quarter, January 2010 to June 2018 †



| | Apr-Jun 2010 | Apr-Jun 2011 | Apr-Jun 2012 | Apr-Jun 2013 | Apr-Jun 2014 | Apr-Jun 2015 | Apr-Jun 2016 | Apr-Jun 2017 | Apr-Jun 2018 |
|-----------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Resuscitation | | 27 | 22 | 49 | 45 | 37 | 29 | 18 | 22 |
| Emergency | | 503 | 574 | 646 | 846 | 732 | 867 | 990 | 972 |
| Urgent | | 2,472 | 2,825 | 2,348 | 2,579 | 2,616 | 2,824 | 2,870 | 2,558 |
| Semi-urgent | | 2,909 | 3,089 | 2,938 | 3,001 | 3,174 | 3,256 | 3,397 | 3,611 |
| Non-urgent | | 720 | 549 | 748 | 697 | 587 | 549 | 726 | 755 |
| All emergency presentations | | 6,631 | 7,059 | 6,729 | 7,168 | 7,146 | 7,525 | 8,001 | 7,918 |

Dubbo Base Hospital: Patients arriving by ambulance

April to June 2018

Arrivals used to calculate transfer of care time:⁷ 1,496 patients

Same period last year
Change since one year ago

1,653

ED Transfer of care time

Median time 12 minutes

13 minutes -1 minute

90th percentile time 32 minutes

33 minutes -1 minute

(†) 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.

Dubbo Base Hospital: Time patients waited to start treatment, triage 2

April to June 2018

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

Number of triage 2 patients: 972

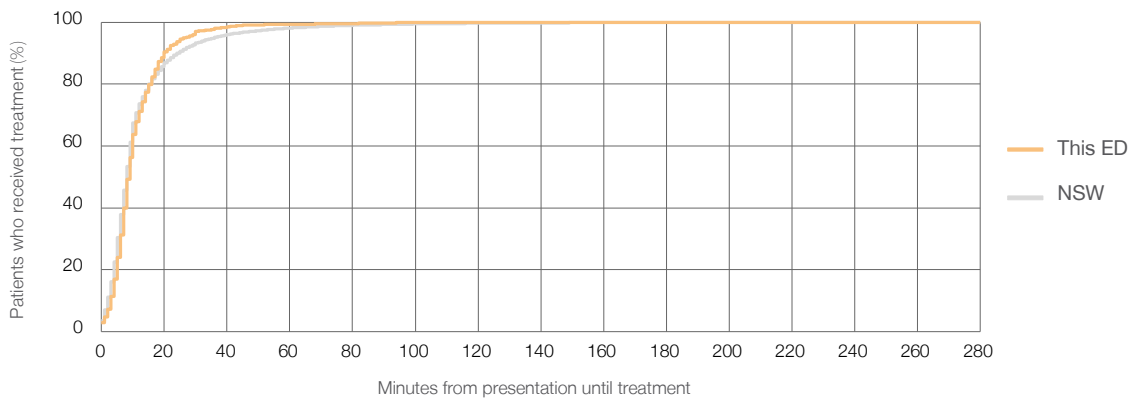
Number of triage 2 patients used to calculate waiting time:³ 965

Median time to start treatment⁴ 9 minutes

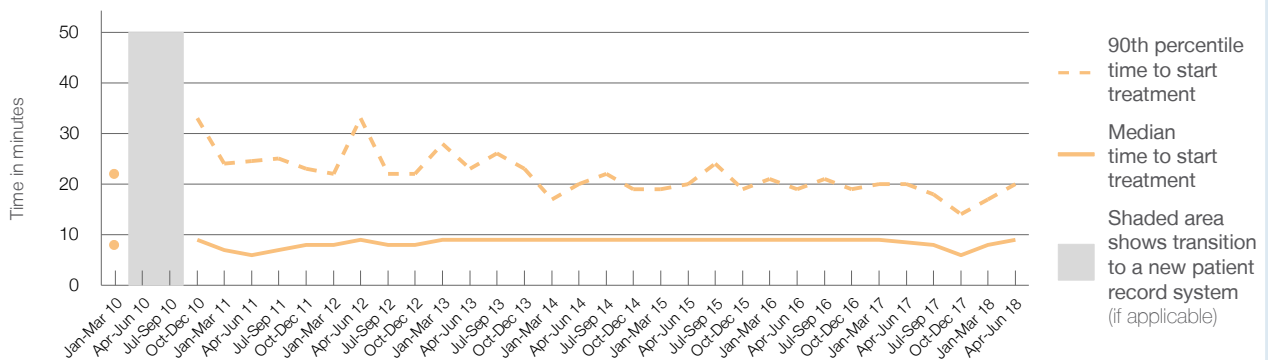
90th percentile time to start treatment⁵ 20 minutes

| Same period last year | NSW (this period) |
|-----------------------|-------------------|
| 990 | 986 |
| 9 minutes | 8 minutes |
| 20 minutes | 24 minutes |

Percentage of triage 2 patients who received treatment by time, April to June 2018



Time patients waited to start treatment (minutes) for triage 2 patients, January 2010 to June 2018^{†‡}



| | Apr-Jun 2010 | Apr-Jun 2011 | Apr-Jun 2012 | Apr-Jun 2013 | Apr-Jun 2014 | Apr-Jun 2015 | Apr-Jun 2016 | Apr-Jun 2017 | Apr-Jun 2018 |
|--|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Median time to start treatment ⁴ (minutes) | | 6 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 90th percentile time to start treatment ⁵ (minutes) | | 25 | 33 | 23 | 20 | 20 | 19 | 20 | 20 |

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

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Dubbo Base Hospital: Time patients waited to start treatment, triage 3

April to June 2018

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

Number of triage 3 patients: 2,558

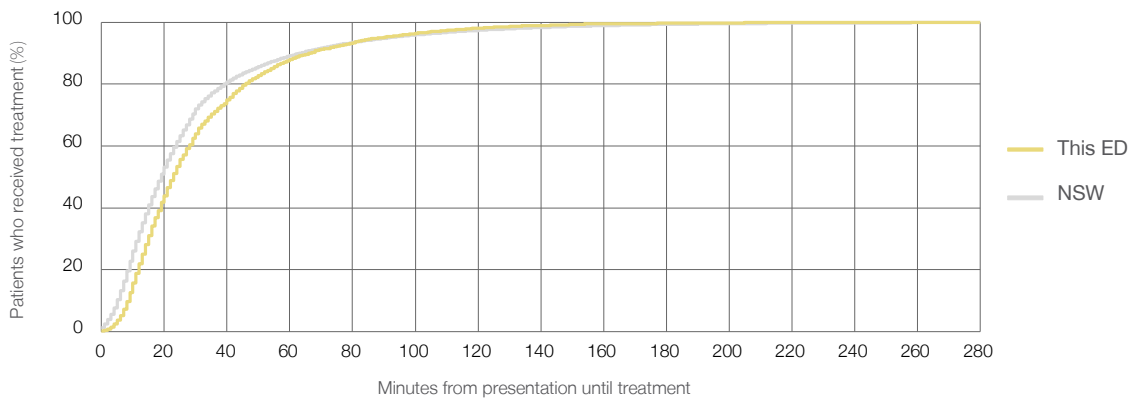
Number of triage 3 patients used to calculate waiting time:³ 2,502

Median time to start treatment⁴ 23 minutes

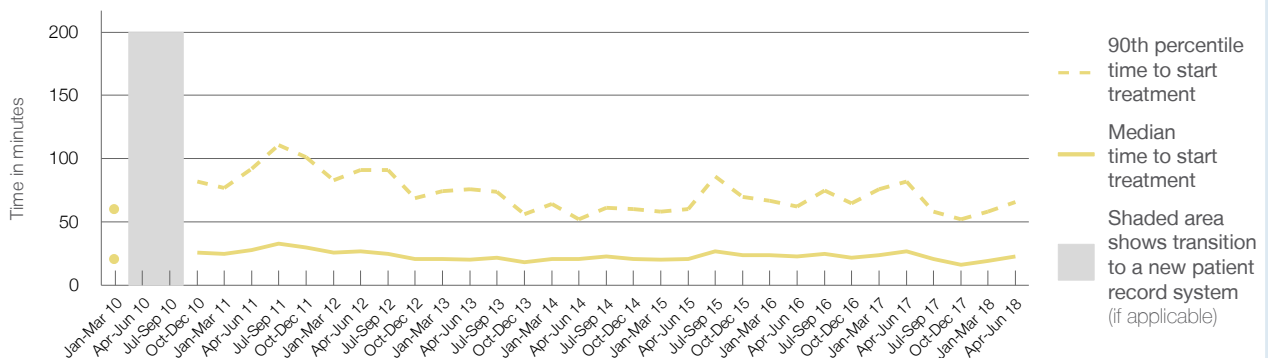
90th percentile time to start treatment⁵ 66 minutes

| Same period last year | NSW (this period) |
|-----------------------|-------------------|
| 2,870 | 2,827 |
| 27 minutes | 19 minutes |
| 82 minutes | 63 minutes |

Percentage of triage 3 patients who received treatment by time, April to June 2018



Time patients waited to start treatment (minutes) for triage 3 patients, January 2010 to June 2018^{†‡}



| | Apr-Jun 2010 | Apr-Jun 2011 | Apr-Jun 2012 | Apr-Jun 2013 | Apr-Jun 2014 | Apr-Jun 2015 | Apr-Jun 2016 | Apr-Jun 2017 | Apr-Jun 2018 |
|--|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Median time to start treatment ⁴ (minutes) | | 28 | 27 | 20 | 21 | 21 | 23 | 27 | 23 |
| 90th percentile time to start treatment ⁵ (minutes) | | 92 | 91 | 76 | 52 | 60 | 62 | 82 | 66 |

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Dubbo Base Hospital: Time patients waited to start treatment, triage 4

April to June 2018

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

Number of triage 4 patients: 3,611

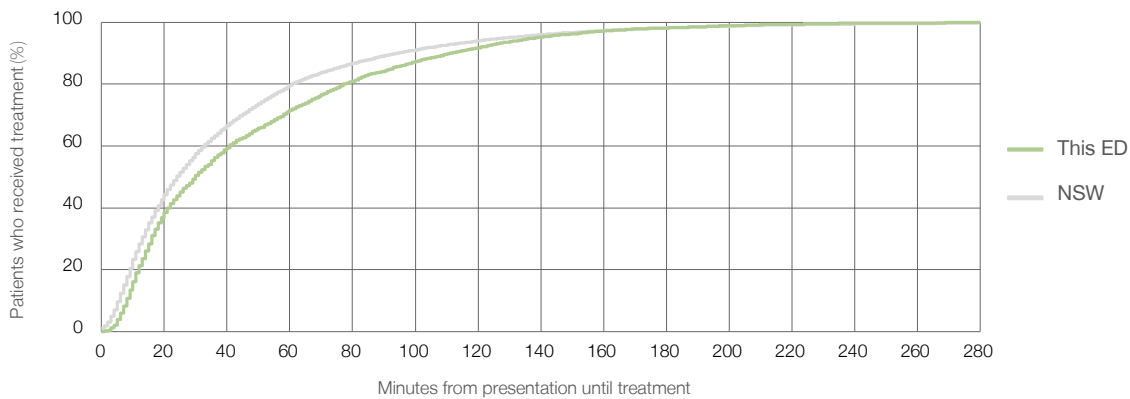
Number of triage 4 patients used to calculate waiting time:³ 3,424

Median time to start treatment⁴ 30 minutes

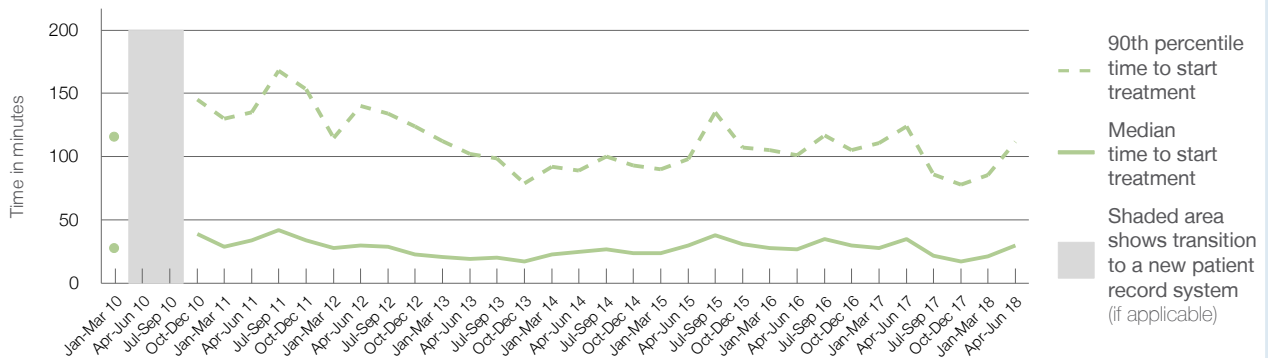
90th percentile time to start treatment⁵ 112 minutes

| Same period last year | NSW (this period) |
|-----------------------|-------------------|
| 3,397 | 3,149 |
| 35 minutes | 24 minutes |
| 124 minutes | 95 minutes |

Percentage of triage 4 patients who received treatment by time, April to June 2018



Time patients waited to start treatment (minutes) for triage 4 patients, January 2010 to June 2018^{†‡}



| | Apr-Jun 2010 | Apr-Jun 2011 | Apr-Jun 2012 | Apr-Jun 2013 | Apr-Jun 2014 | Apr-Jun 2015 | Apr-Jun 2016 | Apr-Jun 2017 | Apr-Jun 2018 |
|--|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Median time to start treatment ⁴ (minutes) | | 34 | 30 | 19 | 25 | 30 | 27 | 35 | 30 |
| 90th percentile time to start treatment ⁵ (minutes) | | 135 | 140 | 102 | 89 | 98 | 101 | 124 | 112 |

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Dubbo Base Hospital: Time patients waited to start treatment, triage 5

April to June 2018

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

Number of triage 5 patients: 755

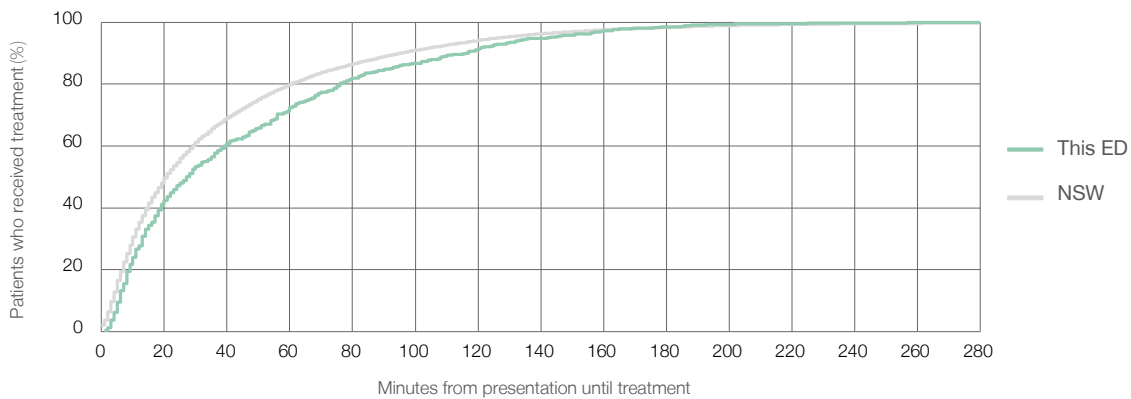
Number of triage 5 patients used to calculate waiting time:³ 696

Median time to start treatment⁴ 28 minutes

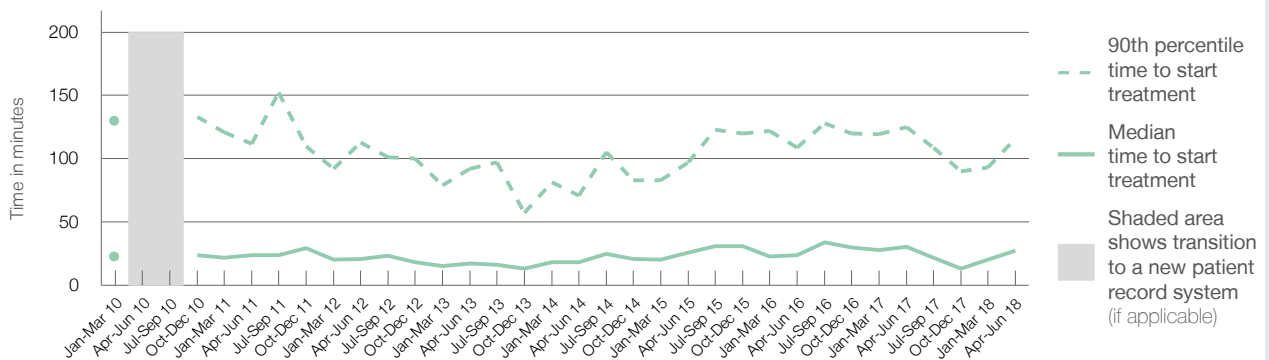
90th percentile time to start treatment⁵ 116 minutes

| Same period last year | NSW (this period) |
|-----------------------|-------------------|
| 726 | |
| 612 | |
| 31 minutes | 21 minutes |
| 125 minutes | 96 minutes |

Percentage of triage 5 patients who received treatment by time, April to June 2018



Time patients waited to start treatment (minutes) for triage 5 patients, January 2010 to June 2018^{†‡}



| | Apr-Jun 2010 | Apr-Jun 2011 | Apr-Jun 2012 | Apr-Jun 2013 | Apr-Jun 2014 | Apr-Jun 2015 | Apr-Jun 2016 | Apr-Jun 2017 | Apr-Jun 2018 |
|--|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Median time to start treatment ⁴ (minutes) | | 24 | 21 | 17 | 18 | 26 | 24 | 31 | 28 |
| 90th percentile time to start treatment ⁵ (minutes) | | 112 | 113 | 92 | 71 | 97 | 109 | 125 | 116 |

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Dubbo Base Hospital: Time patients spent in the ED

April to June 2018

All presentations:¹ 8,387 patients

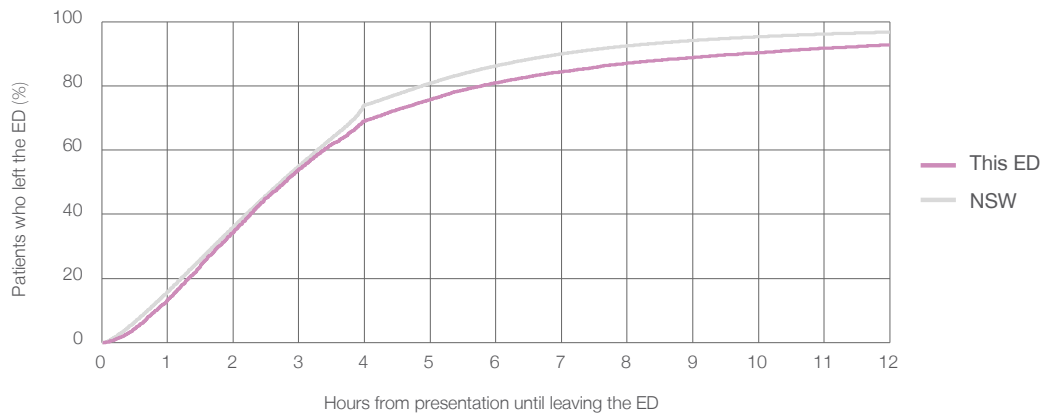
Presentations used to calculate time to leaving the ED:⁶ 8,385 patients

Median time spent in the ED⁸ 2 hours and 48 minutes

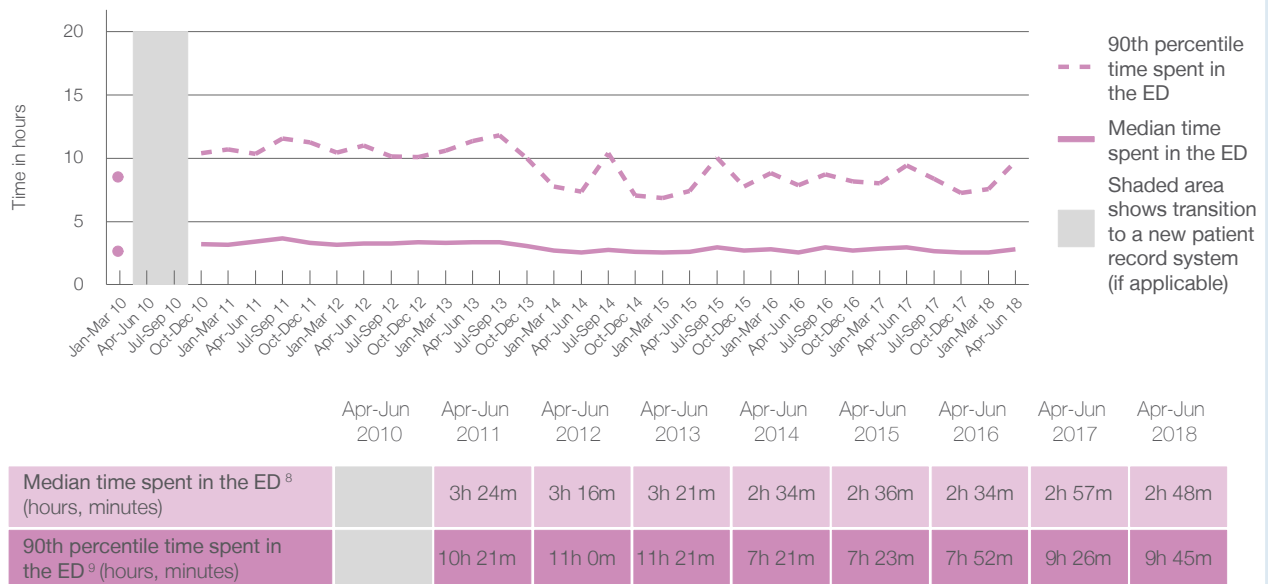
90th percentile time spent in the ED⁹ 9 hours and 45 minutes

| Same period last year | NSW (this period) |
|------------------------|------------------------|
| 8,346 | 8,346 |
| 2 hours and 57 minutes | 2 hours and 44 minutes |
| 9 hours and 26 minutes | 7 hours and 1 minutes |

Percentage of patients who left the ED by time, April to June 2018



Time patients spent in the ED, by quarter, January 2010 to June 2018^{†‡}



(†) 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.

Dubbo Base Hospital: Time patients spent in the ED
By mode of separation
April to June 2018

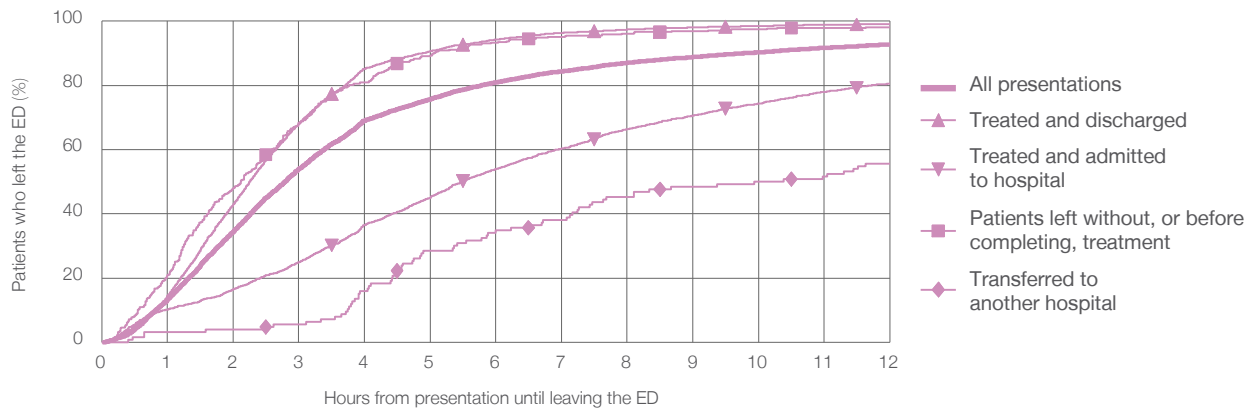
All presentations:¹ 8,387 patients

Presentations used to calculate time to leaving the ED:⁶ 8,385 patients

| | |
|---|---------------|
| Treated and discharged | 5,303 (63.2%) |
| Treated and admitted to hospital | 2,527 (30.1%) |
| Patient left without, or before completing, treatment | 387 (4.6%) |
| Transferred to another hospital | 126 (1.5%) |
| Other | 44 (0.5%) |

| Same period last year | Change since one year ago |
|-----------------------|---------------------------|
| 8,346 | 0% |
| 5,430 | -2.3% |
| 2,271 | 11.3% |
| 507 | -23.7% |
| 114 | 10.5% |
| 24 | 83.3% |

Percentage of patients who left the ED by time and mode of separation, April to June 2018^{††}



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

| | | | | | | | | |
|---|-------|-------|-------|-------|-------|-------|-------|-------|
| Treated and discharged | 14.4% | 43.0% | 68.4% | 85.2% | 94.2% | 97.4% | 98.5% | 99.1% |
| Treated and admitted to hospital | 10.2% | 16.6% | 24.9% | 36.6% | 54.0% | 66.4% | 74.4% | 80.6% |
| Patient left without, or before completing, treatment | 20.9% | 48.1% | 68.0% | 80.9% | 93.3% | 96.1% | 97.4% | 98.2% |
| Transferred to another hospital | 3.2% | 4.0% | 5.6% | 15.9% | 34.9% | 45.2% | 50.0% | 55.6% |
| All presentations | 13.3% | 34.5% | 54.0% | 69.1% | 81.0% | 87.1% | 90.3% | 92.7% |

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Dubbo Base Hospital: Time spent in the ED

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

April to June 2018

All presentations at the emergency department: ¹ 8,387 patients

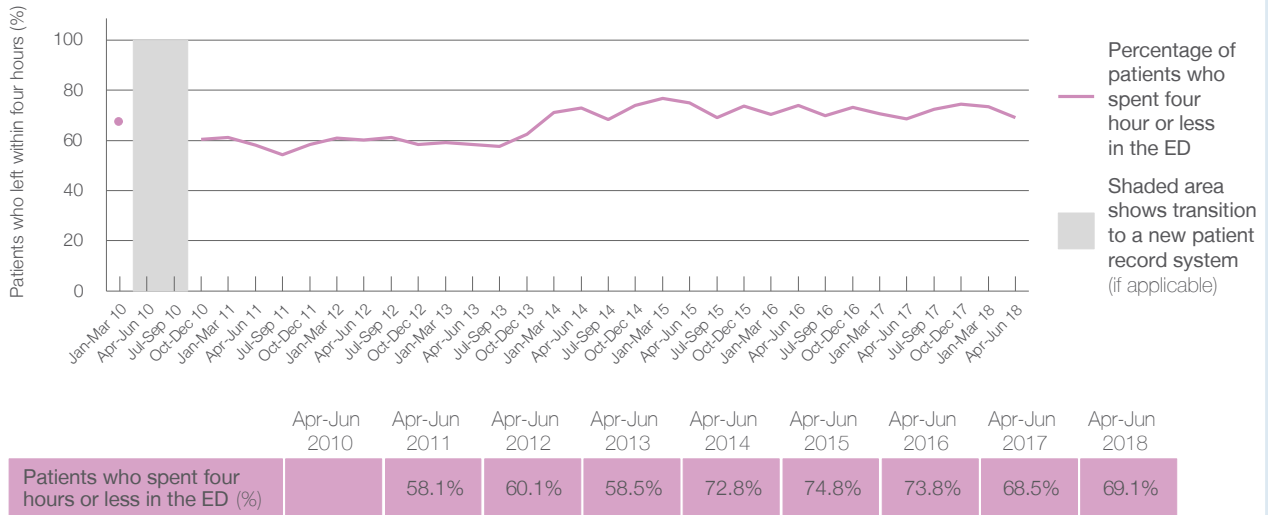
Presentations used to calculate time to leaving the ED: ⁶ 8,385 patients

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



| Same period last year | Change since one year ago |
|-----------------------|---------------------------|
| 8,346 | 0% |
| 8,346 | 0% |
| 68.5% | |

Percentage of patients who spent four hours or less in the ED, by quarter, January 2010 to June 2018 ^{†‡}



* 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, January to March 2018*.
- 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 18 July 2018).
Transfer of care data from Transfer of Care Reporting System (extracted 18 July 2018).