

## Lithgow Hospital: Emergency department (ED) overview

July to September 2018

All presentations:<sup>1</sup> 3,247 patients  
 Emergency presentations:<sup>2</sup> 3,157 patients

| Same period last year | Change since one year ago |
|-----------------------|---------------------------|
| 3,271                 | -1%                       |
| 3,160                 | 0%                        |



## Lithgow Hospital: Time patients waited to start treatment<sup>3</sup>

July to September 2018

**Triage 2** Emergency (e.g. chest pain, severe burns): 313 patients

Median time to start treatment<sup>4</sup>  5 minutes  
 90th percentile time to start treatment<sup>5</sup>  13 minutes



**Triage 3** Urgent (e.g. moderate blood loss, dehydration): 1,192 patients

Median time to start treatment<sup>4</sup>  11 minutes  
 90th percentile time to start treatment<sup>5</sup>  42 minutes

**Triage 4** Semi-urgent (e.g. sprained ankle, earache): 1,311 patients

Median time to start treatment<sup>4</sup>  12 minutes  
 90th percentile time to start treatment<sup>5</sup>  61 minutes

**Triage 5** Non-urgent (e.g. small cuts or abrasions): 326 patients

Median time to start treatment<sup>4</sup>  9 minutes  
 90th percentile time to start treatment<sup>5</sup>  50 minutes

| Same period last year | NSW (this period) |
|-----------------------|-------------------|
| 337                   |                   |
| 6 minutes             | 8 minutes         |
| 13 minutes            | 28 minutes        |
| 932                   |                   |
| 12 minutes            | 21 minutes        |
| 46 minutes            | 72 minutes        |
| 1,490                 |                   |
| 14 minutes            | 26 minutes        |
| 67 minutes            | 105 minutes       |
| 383                   |                   |
| 11 minutes            | 22 minutes        |
| 69 minutes            | 103 minutes       |

## Lithgow Hospital: Time from presentation until leaving the ED

July to September 2018

Attendances used to calculate time to leaving the ED:<sup>6</sup> 3,247 patients

Percentage of patients who spent four hours or less in the ED  84%

| Same period last year | Change since one year ago |
|-----------------------|---------------------------|
| 3,271                 | -1%                       |
| 84%                   |                           |

\* 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.

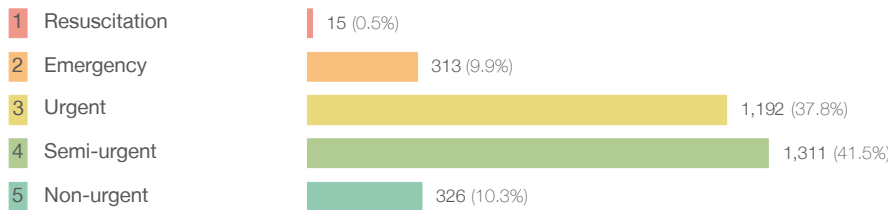
**Source:** Health Information Exchange, NSW Health (extracted 16 October 2018).

## Lithgow Hospital: Patients presenting to the emergency department

July to September 2018

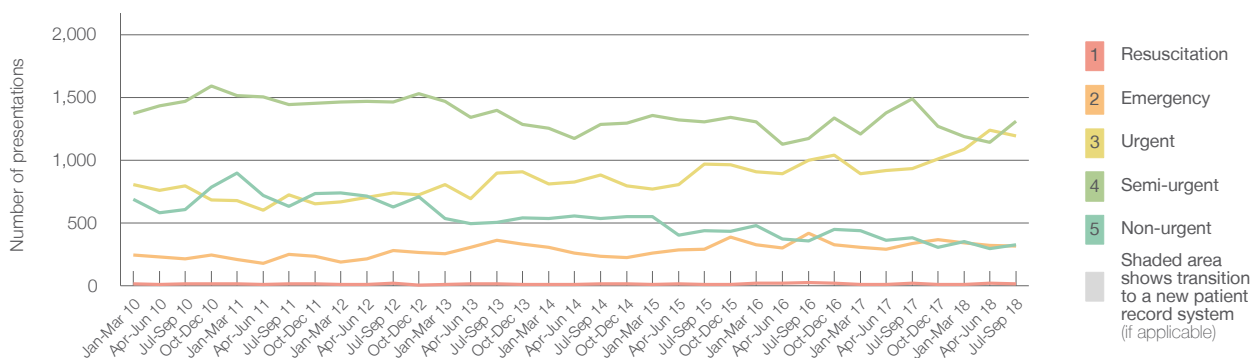
All presentations:<sup>1</sup> 3,247 patients

Emergency presentations<sup>2</sup> by triage category: 3,157 patients



| Same period last year | Change since one year ago |
|-----------------------|---------------------------|
| 3,271                 | -1%                       |
| 3,160                 | 0%                        |
| 18                    | -16.7%                    |
| 337                   | -7.1%                     |
| 932                   | 27.9%                     |
| 1,490                 | -12.0%                    |
| 383                   | -14.9%                    |

Emergency presentations<sup>2</sup> by quarter, January 2010 to September 2018 †



|                             | Jul-Sep 2010 | Jul-Sep 2011 | Jul-Sep 2012 | Jul-Sep 2013 | Jul-Sep 2014 | Jul-Sep 2015 | Jul-Sep 2016 | Jul-Sep 2017 | Jul-Sep 2018 |
|-----------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Resuscitation               | 17           | 17           | 21           | 15           | 15           | 8            | 24           | 18           | 15           |
| Emergency                   | 212          | 247          | 278          | 359          | 236          | 289          | 420          | 337          | 313          |
| Urgent                      | 794          | 726          | 738          | 896          | 883          | 969          | 999          | 932          | 1,192        |
| Semi-urgent                 | 1,466        | 1,441        | 1,461        | 1,395        | 1,286        | 1,307        | 1,171        | 1,490        | 1,311        |
| Non-urgent                  | 606          | 633          | 628          | 505          | 534          | 439          | 354          | 383          | 326          |
| All emergency presentations | 3,095        | 3,064        | 3,126        | 3,170        | 2,954        | 3,012        | 2,968        | 3,160        | 3,157        |

## Lithgow Hospital: Patients arriving by ambulance

July to September 2018

Arrivals used to calculate transfer of care time:<sup>7</sup> 624 patients

ED Transfer of care time



| Same period last year | Change since one year ago |
|-----------------------|---------------------------|
| 597                   |                           |
| 10 minutes            | -1 minute                 |
| 21 minutes            | 0 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.

## Lithgow Hospital: Time patients waited to start treatment, triage 2 July to September 2018

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

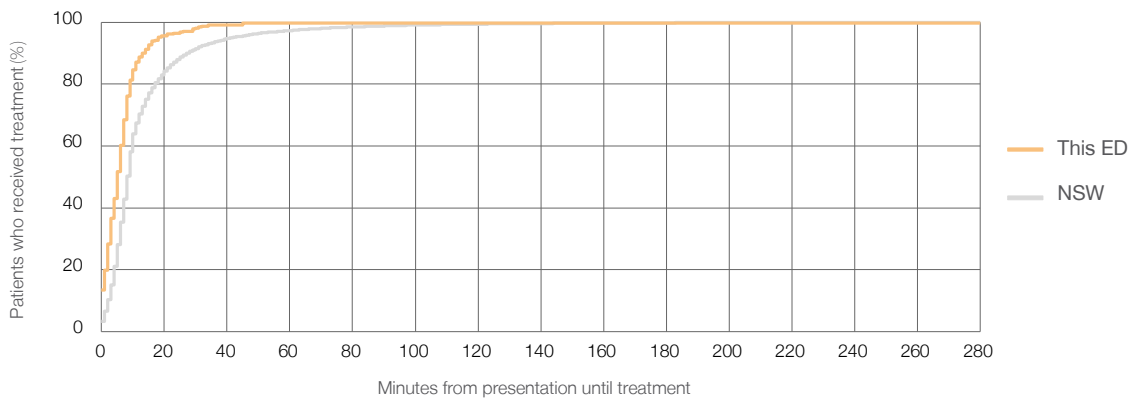
Number of triage 2 patients: 313

Number of triage 2 patients used to calculate waiting time:<sup>3</sup> 311

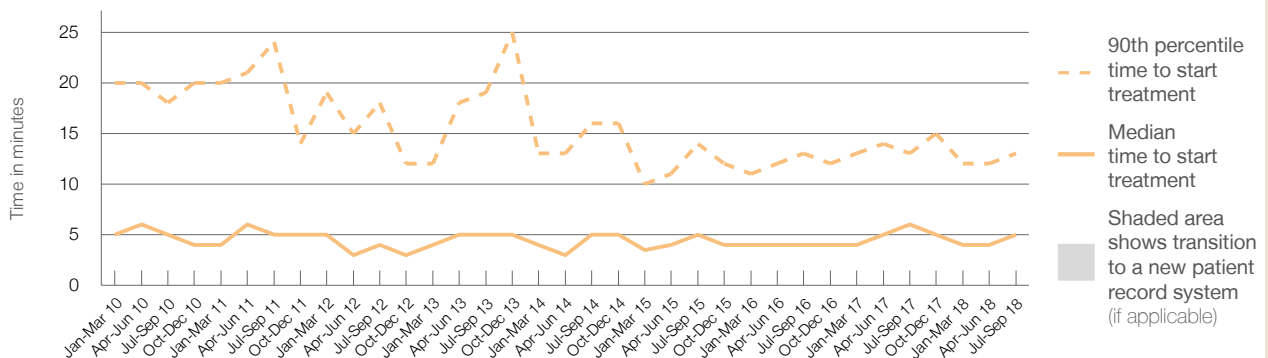
Median time to start treatment<sup>4</sup> ■ 5 minutes  
90th percentile time to start treatment<sup>5</sup> ■ 13 minutes

| Same period last year | NSW (this period) |
|-----------------------|-------------------|
| 337                   | 337               |
| 6 minutes             | 8 minutes         |
| 13 minutes            | 28 minutes        |

### Percentage of triage 2 patients who received treatment by time, July to September 2018



### Time patients waited to start treatment (minutes) for triage 2 patients, January 2010 to September 2018<sup>†‡</sup>



|  | Jul-Sep 2010 | Jul-Sep 2011 | Jul-Sep 2012 | Jul-Sep 2013 | Jul-Sep 2014 | Jul-Sep 2015 | Jul-Sep 2016 | Jul-Sep 2017 | Jul-Sep 2018 |
|--|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Median time to start treatment <sup>4</sup> (minutes)          | 5            | 5            | 4            | 5            | 5            | 5            | 4            | 6            | 5            |
| 90th percentile time to start treatment <sup>5</sup> (minutes) | 18           | 24           | 18           | 19           | 16           | 14           | 13           | 13           | 13           |

(†) 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.

## Lithgow Hospital: Time patients waited to start treatment, triage 3 July to September 2018

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

Number of triage 3 patients: 1,192

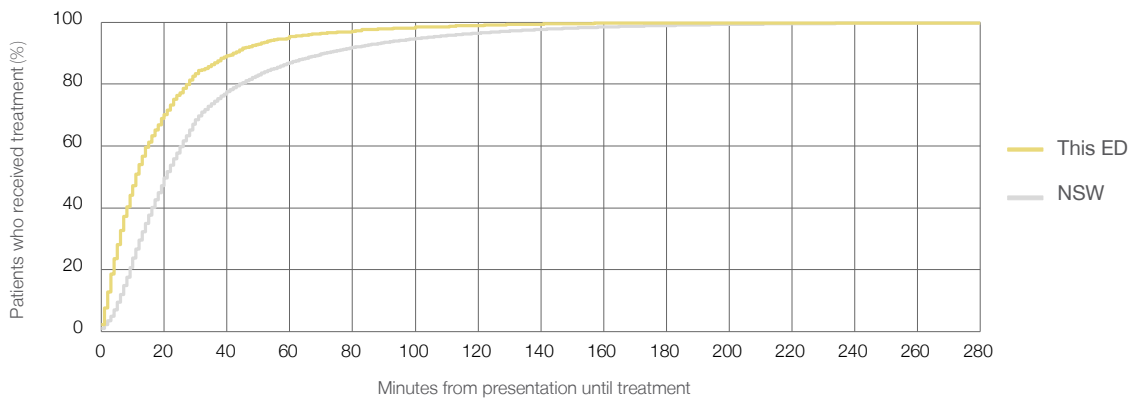
Number of triage 3 patients used to calculate waiting time:<sup>3</sup> 1,185

Median time to start treatment<sup>4</sup>  11 minutes

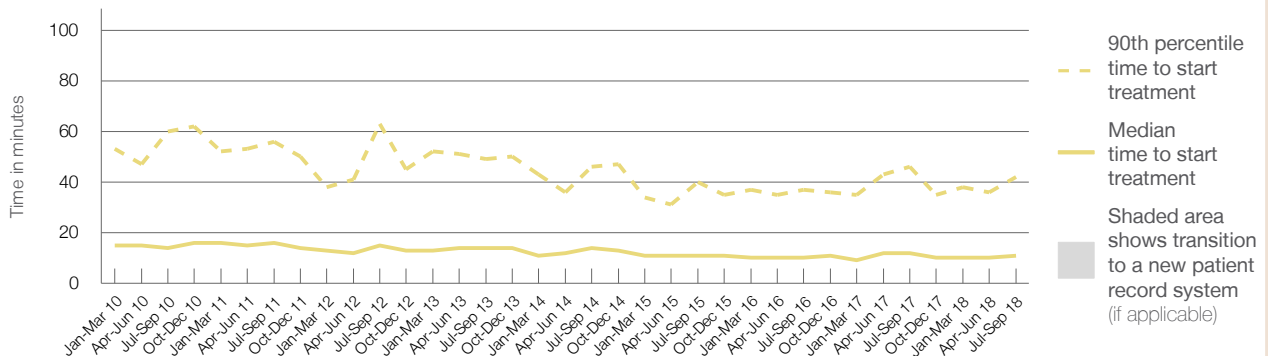
90th percentile time to start treatment<sup>5</sup>  42 minutes

| Same period last year | NSW (this period) |
|-----------------------|-------------------|
| 932                   |                   |
| 917                   |                   |
| 12 minutes            | 21 minutes        |
| 46 minutes            | 72 minutes        |

### Percentage of triage 3 patients who received treatment by time, July to September 2018



### Time patients waited to start treatment (minutes) for triage 3 patients, January 2010 to September 2018<sup>†‡</sup>



|  | Jul-Sep 2010 | Jul-Sep 2011 | Jul-Sep 2012 | Jul-Sep 2013 | Jul-Sep 2014 | Jul-Sep 2015 | Jul-Sep 2016 | Jul-Sep 2017 | Jul-Sep 2018 |
|--|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Median time to start treatment <sup>4</sup> (minutes)          | 14           | 16           | 15           | 14           | 14           | 11           | 10           | 12           | 11           |
| 90th percentile time to start treatment <sup>5</sup> (minutes) | 60           | 56           | 63           | 49           | 46           | 40           | 37           | 46           | 42           |

(†) 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.

## Lithgow Hospital: Time patients waited to start treatment, triage 4 July to September 2018

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

Number of triage 4 patients: 1,311

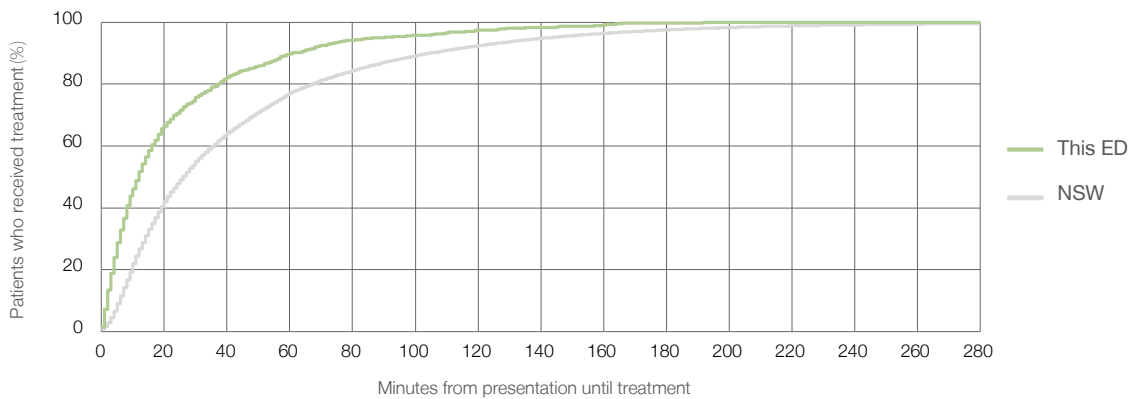
Number of triage 4 patients used to calculate waiting time:<sup>3</sup> 1,278

Median time to start treatment<sup>4</sup>  12 minutes

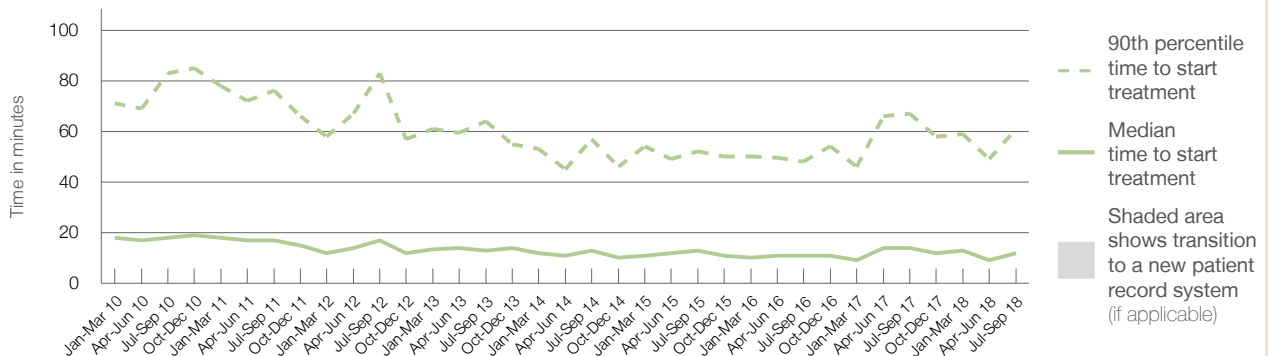
90th percentile time to start treatment<sup>5</sup>  61 minutes

| Same period last year | NSW (this period) |
|-----------------------|-------------------|
| 1,490                 | 1,446             |
| 14 minutes            | 26 minutes        |
| 67 minutes            | 105 minutes       |

### Percentage of triage 4 patients who received treatment by time, July to September 2018



### Time patients waited to start treatment (minutes) for triage 4 patients, January 2010 to September 2018<sup>†‡</sup>



|  | Jul-Sep 2010 | Jul-Sep 2011 | Jul-Sep 2012 | Jul-Sep 2013 | Jul-Sep 2014 | Jul-Sep 2015 | Jul-Sep 2016 | Jul-Sep 2017 | Jul-Sep 2018 |
|--|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Median time to start treatment <sup>4</sup> (minutes)          | 18           | 17           | 17           | 13           | 13           | 13           | 11           | 14           | 12           |
| 90th percentile time to start treatment <sup>5</sup> (minutes) | 83           | 76           | 83           | 64           | 57           | 52           | 48           | 67           | 61           |

(†) 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.

## Lithgow Hospital: Time patients waited to start treatment, triage 5 July to September 2018

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

Number of triage 5 patients: 326

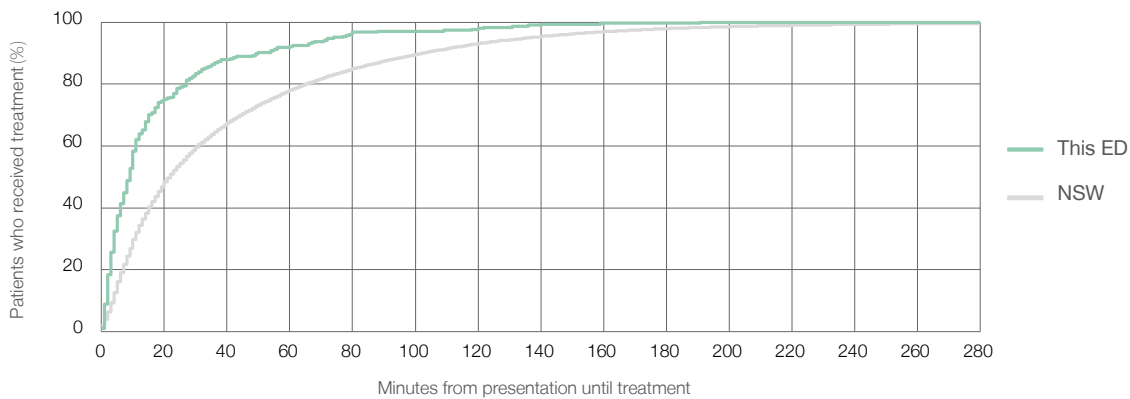
Number of triage 5 patients used to calculate waiting time:<sup>3</sup> 305

Median time to start treatment<sup>4</sup>  9 minutes

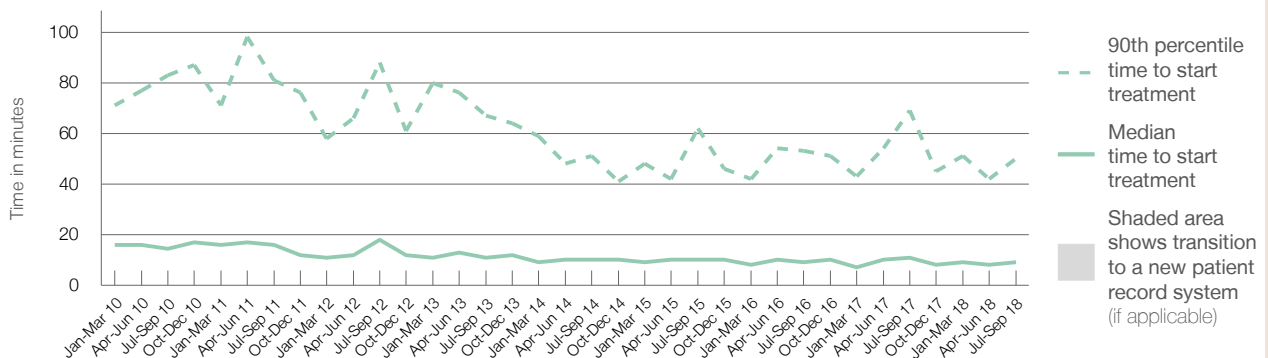
90th percentile time to start treatment<sup>5</sup>  50 minutes

| Same period last year | NSW (this period) |
|-----------------------|-------------------|
| 383                   | 361               |
| 11 minutes            | 22 minutes        |
| 69 minutes            | 103 minutes       |

### Percentage of triage 5 patients who received treatment by time, July to September 2018



### Time patients waited to start treatment (minutes) for triage 5 patients, January 2010 to September 2018<sup>†‡</sup>



|  | Jul-Sep 2010 | Jul-Sep 2011 | Jul-Sep 2012 | Jul-Sep 2013 | Jul-Sep 2014 | Jul-Sep 2015 | Jul-Sep 2016 | Jul-Sep 2017 | Jul-Sep 2018 |
|--|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Median time to start treatment <sup>4</sup> (minutes)          | 15           | 16           | 18           | 11           | 10           | 10           | 9            | 11           | 9            |
| 90th percentile time to start treatment <sup>5</sup> (minutes) | 83           | 81           | 88           | 67           | 51           | 62           | 53           | 69           | 50           |

(†) 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.

## Lithgow Hospital: Time patients spent in the ED

July to September 2018

All presentations:<sup>1</sup> 3,247 patients

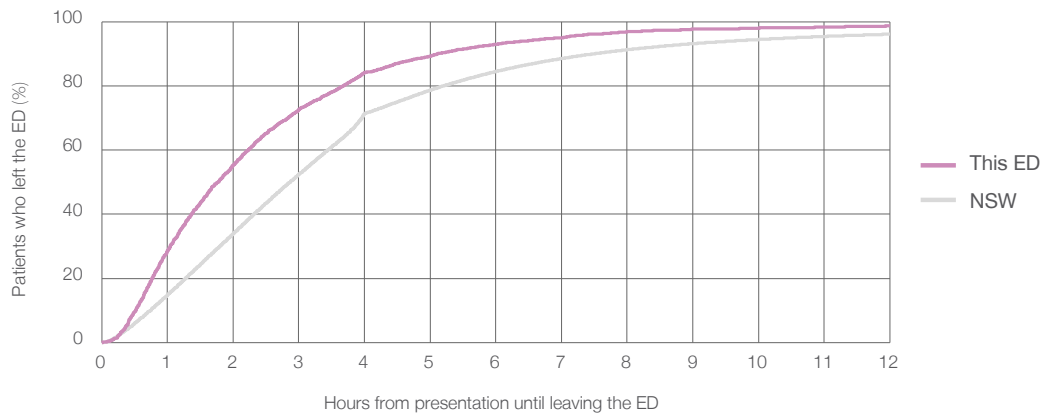
Presentations used to calculate time to leaving the ED:<sup>6</sup> 3,247 patients

Median time spent in the ED<sup>8</sup>  1 hours and 46 minutes

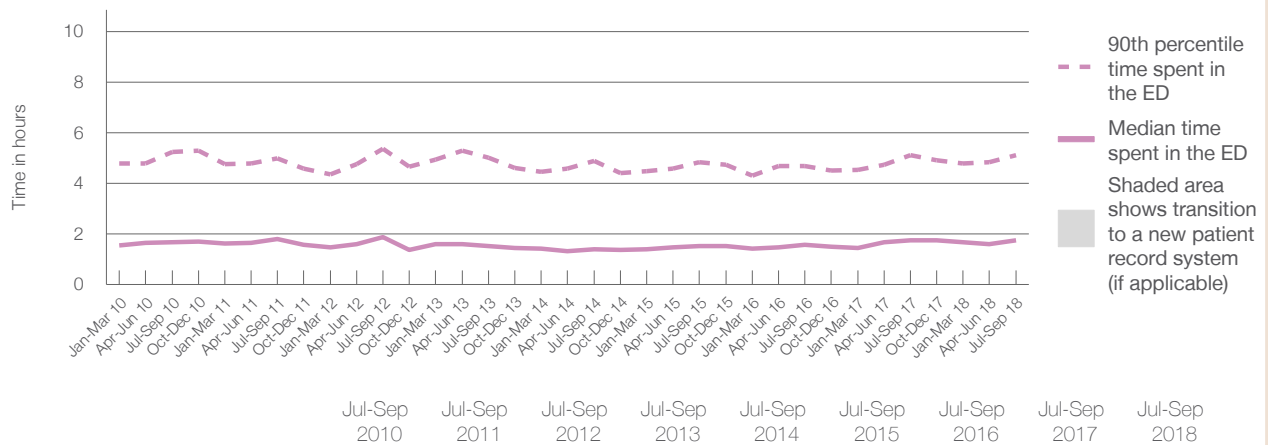
90th percentile time spent in the ED<sup>9</sup>  5 hours and 7 minutes

| Same period last year  | NSW (this period)      |
|------------------------|------------------------|
| 3,271                  | 3,271                  |
| 1 hours and 45 minutes | 2 hours and 52 minutes |
| 5 hours and 7 minutes  | 7 hours and 30 minutes |

### Percentage of patients who left the ED by time, July to September 2018



### Time patients spent in the ED, by quarter, January 2010 to September 2018<sup>†‡</sup>



(†) 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.

## Lithgow Hospital: Time patients spent in the ED

### By mode of separation

July to September 2018

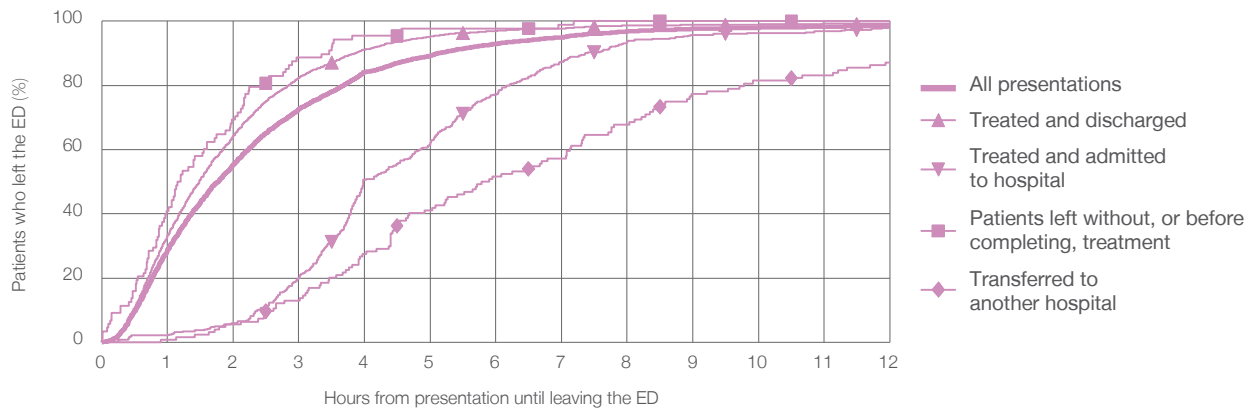
All presentations:<sup>1</sup> 3,247 patients

Presentations used to calculate time to leaving the ED:<sup>6</sup> 3,247 patients

|   |               |
|---|---------------|
| Treated and discharged                                | 2,640 (81.3%) |
| Treated and admitted to hospital                      | 381 (11.7%)   |
| Patient left without, or before completing, treatment | 88 (2.7%)     |
| Transferred to another hospital                       | 124 (3.8%)    |
| Other   | 14 (0.4%)     |

| Same period last year | Change since one year ago |
|-----------------------|---------------------------|
| 3,271                 | -1%                       |
| 2,714                 | -2.7%                     |
| 344                   | 10.8%                     |
| 91                    | -3.3%                     |
| 113                   | 9.7%                      |
| 9                     | 55.6%                     |

Percentage of patients who left the ED by time and mode of separation, July to September 2018<sup>†‡</sup>



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                                | 33.4%  | 64.4%   | 82.4%   | 91.2%   | 97.0%   | 98.6%   | 99.0%    | 99.2%    |
| Treated and admitted to hospital                      | 2.1%   | 6.0%    | 19.9%   | 50.7%   | 77.2%   | 93.7%   | 96.3%    | 97.9%    |
| Patient left without, or before completing, treatment | 40.9%  | 69.3%   | 88.6%   | 95.5%   | 97.7%   | 100%    | 100%     | 100%     |
| Transferred to another hospital                       | 0.8%   | 5.6%    | 12.9%   | 27.4%   | 51.6%   | 67.7%   | 81.5%    | 87.1%    |
| All presentations                                     | 28.8%  | 55.5%   | 72.6%   | 84.1%   | 92.9%   | 96.9%   | 98.0%    | 98.6%    |

(†) 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.



**Lithgow Hospital: Time spent in the ED**  
**Percentage of patients who spent four hours or less in the ED**  
 July to September 2018

All presentations at the emergency department: <sup>1</sup> 3,247 patients

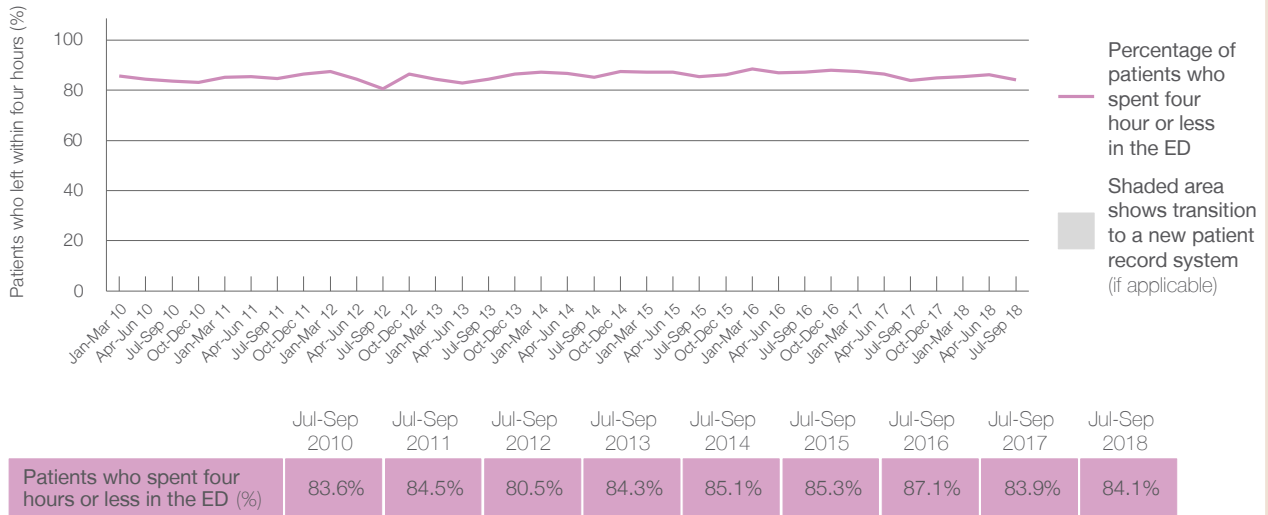
Presentations used to calculate time to leaving the ED: <sup>6</sup> 3,247 patients

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                 | 3,271                 | -1%                       |
| Presentations used to calculate time to leaving the ED        | 3,271                 | -1%                       |
| Percentage of patients who spent four hours or less in the ED | 83.9%                 |                           |

Percentage of patients who spent four hours or less in the ED, by quarter, January 2010 to September 2018 <sup>†‡</sup>



\* 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 16 October 2018). Transfer of care data from Transfer of Care Reporting System (extracted 16 October 2018).