

Byron Central Hospital: Emergency department (ED) overview

July to September 2017

All presentations:¹ 4,572 patients
Emergency presentations:² 4,481 patients

Same period last year	Change since one year ago
4,055	12.7%
3,993	12.2%

Byron Central Hospital: Time patients waited to start treatment³

July to September 2017

Triage 2 Emergency (e.g. chest pain, severe burns): 576 patients

Median time to start treatment⁴ 7 minutes
90th percentile time to start treatment⁵ 23 minutes

Triage 3 Urgent (e.g. moderate blood loss, dehydration): 1,562 patients

Median time to start treatment⁴ 14 minutes
90th percentile time to start treatment⁵ 46 minutes

Triage 4 Semi-urgent (e.g. sprained ankle, earache): 1,795 patients

Median time to start treatment⁴ 18 minutes
90th percentile time to start treatment⁵ 82 minutes

Triage 5 Non-urgent (e.g. small cuts or abrasions): 529 patients

Median time to start treatment⁴ 19 minutes
90th percentile time to start treatment⁵ 93 minutes

Same period last year	NSW (this period)
390	
9 minutes	9 minutes
26 minutes	29 minutes
1,205	
15 minutes	23 minutes
48 minutes	83 minutes
1,641	
21 minutes	30 minutes
77 minutes	121 minutes
744	
20 minutes	26 minutes
92 minutes	118 minutes

Byron Central Hospital: Time from presentation until leaving the ED

July to September 2017

Attendances used to calculate time to leaving the ED:⁶ 4,569 patients

Percentage of patients who spent four hours or less in the ED 78.9%

Same period last year	Change since one year ago
4,055	12.7%
82.9%	

* 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.

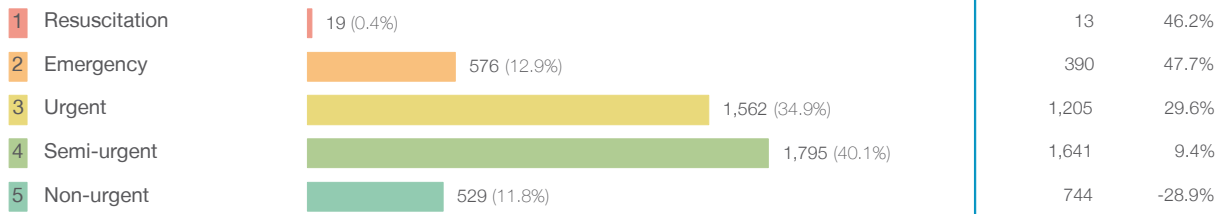
Note: Presentation time is the earlier time recorded for clerical registration or the triage process. Treatment time is the earliest time recorded when a healthcare professional provides medical care relevant to the patient's presenting problems.

Source: Health Information Exchange, NSW Health (extracted 17 October 2017).

Byron Central Hospital: Patients presenting to the emergency department July to September 2017

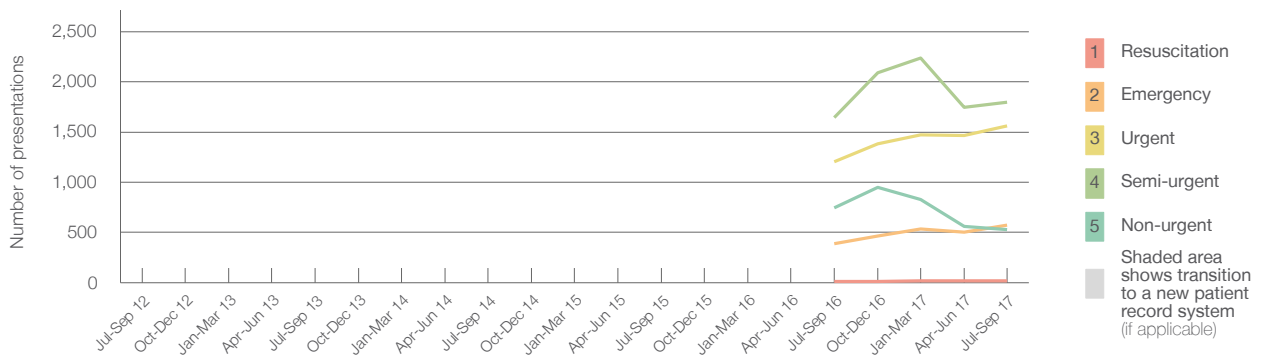
All presentations:¹ 4,572 patients

Emergency presentations² by triage category: 4,481 patients



Same period last year	Change since one year ago
4,055	12.7%
3,993	12.2%
13	46.2%
390	47.7%
1,205	29.6%
1,641	9.4%
744	-28.9%

Emergency presentations² by quarter, July 2012 to September 2017^{‡§}



	Jul-Sep 2012	Jul-Sep 2013	Jul-Sep 2014	Jul-Sep 2015	Jul-Sep 2016	Jul-Sep 2017
Resuscitation					13	19
Emergency					390	576
Urgent					1,205	1,562
Semi-urgent					1,641	1,795
Non-urgent					744	529
All emergency presentations					3,993	4,481

Byron Central Hospital: Patients arriving by ambulance July to September 2017

Arrivals used to calculate transfer of care time:⁷ 358 patients

ED Transfer of care time



Same period last year	Change since one year ago
257	
11 minutes	-2 minutes
51 minutes	-30 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.
- (§) Quarterly information for this hospital is shown where data are available from the Health Information Exchange, NSW Health. For more information, see Background Paper: Approaches to reporting time measures of emergency department performance, December 2011.

Byron Central Hospital: Time patients waited to start treatment, triage 2 July to September 2017

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

Number of triage 2 patients: 576

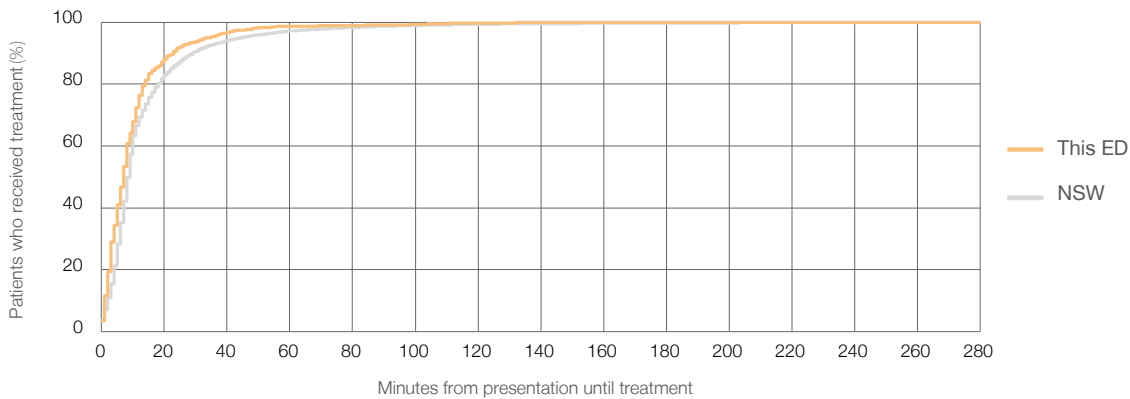
Number of triage 2 patients used to calculate waiting time:³ 568

Median time to start treatment⁴ 7 minutes

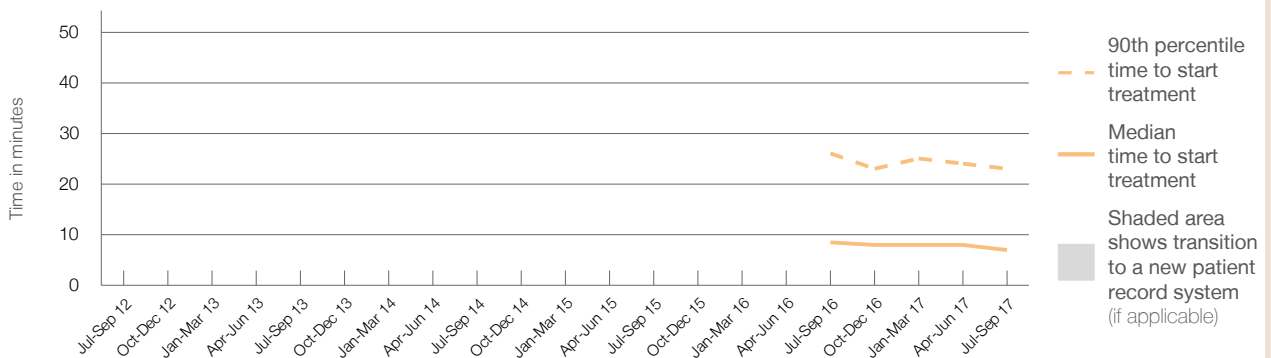
90th percentile time to start treatment⁵ 23 minutes

Same period last year	NSW (this period)
390	386
9 minutes	9 minutes
26 minutes	29 minutes

Percentage of triage 2 patients who received treatment by time, July to September 2017



Time patients waited to start treatment (minutes) for triage 2 patients, July 2012 to September 2017^{†‡§}



	Jul-Sep 2012	Jul-Sep 2013	Jul-Sep 2014	Jul-Sep 2015	Jul-Sep 2016	Jul-Sep 2017
Median time to start treatment ⁴ (minutes)					9	7
90th percentile time to start treatment ⁵ (minutes)					26	23

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Byron Central Hospital: Time patients waited to start treatment, triage 3 July to September 2017

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

Number of triage 3 patients: 1,562

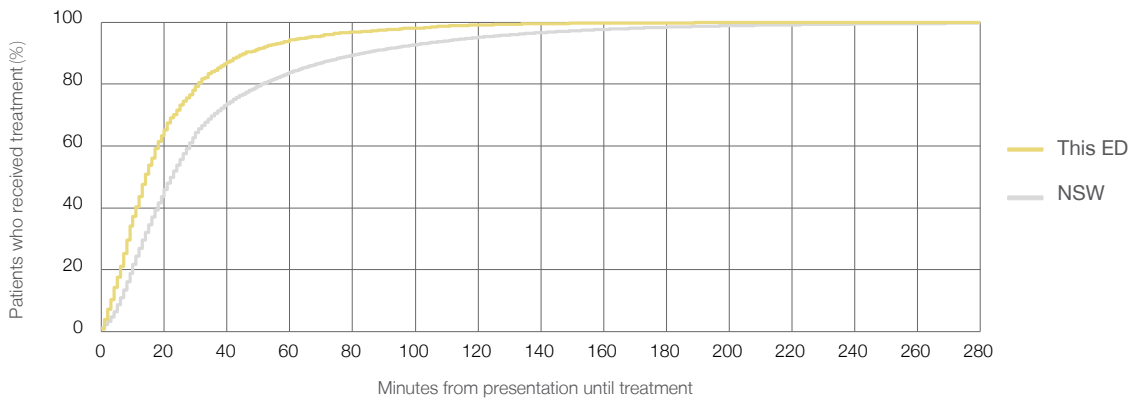
Number of triage 3 patients used to calculate waiting time:³ 1,542

Median time to start treatment⁴ 14 minutes

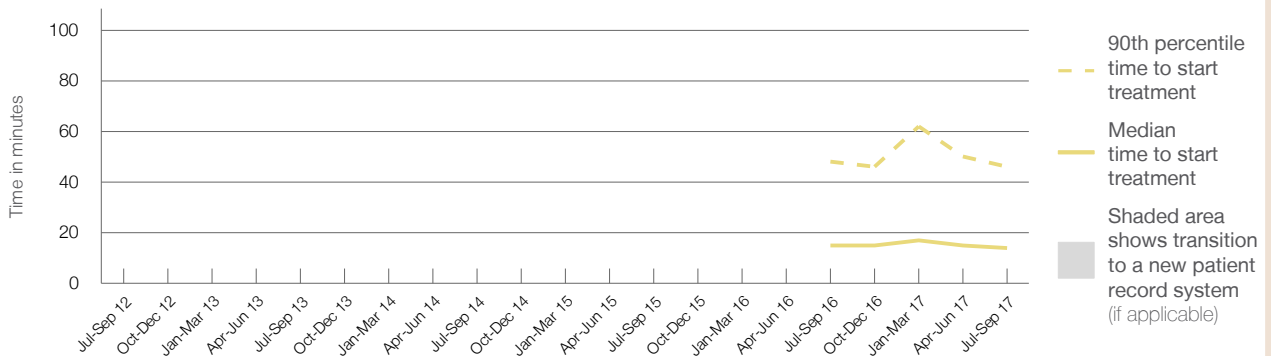
90th percentile time to start treatment⁵ 46 minutes

	Same period last year	NSW (this period)
	1,205	1,188
	15 minutes	23 minutes
	48 minutes	83 minutes

Percentage of triage 3 patients who received treatment by time, July to September 2017



Time patients waited to start treatment (minutes) for triage 3 patients, July 2012 to September 2017^{†‡§}



	Jul-Sep 2012	Jul-Sep 2013	Jul-Sep 2014	Jul-Sep 2015	Jul-Sep 2016	Jul-Sep 2017
Median time to start treatment ⁴ (minutes)					15	14
90th percentile time to start treatment ⁵ (minutes)					48	46

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Byron Central Hospital: Time patients waited to start treatment, triage 4 July to September 2017

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

Number of triage 4 patients: 1,795

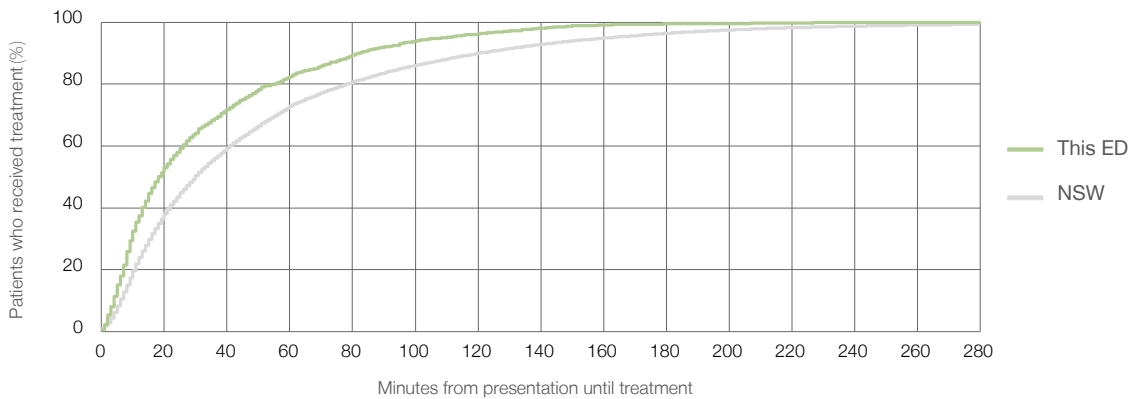
Number of triage 4 patients used to calculate waiting time:³ 1,755

Median time to start treatment⁴ 18 minutes

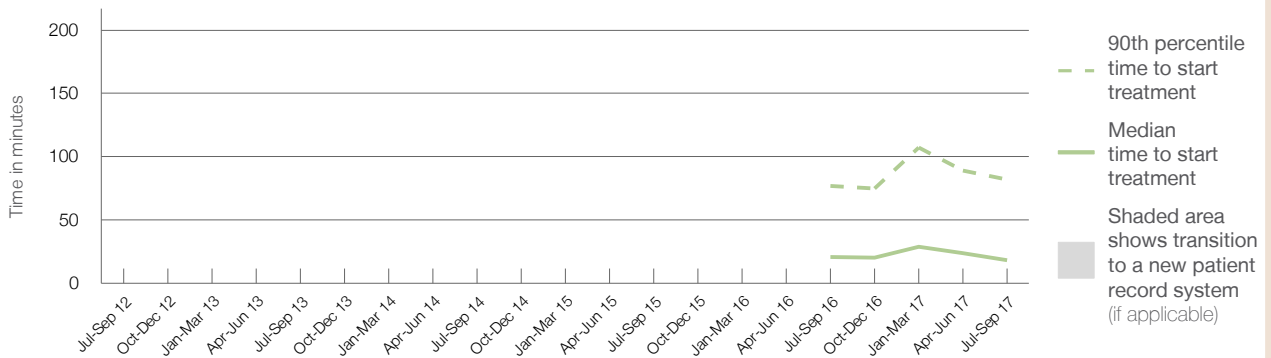
90th percentile time to start treatment⁵ 82 minutes

	Same period last year	NSW (this period)
Number of triage 4 patients	1,641	1,593
Median time to start treatment ⁴	21 minutes	30 minutes
90th percentile time to start treatment ⁵	77 minutes	121 minutes

Percentage of triage 4 patients who received treatment by time, July to September 2017



Time patients waited to start treatment (minutes) for triage 4 patients, July 2012 to September 2017^{†‡§}



	Jul-Sep 2012	Jul-Sep 2013	Jul-Sep 2014	Jul-Sep 2015	Jul-Sep 2016	Jul-Sep 2017
Median time to start treatment ⁴ (minutes)					21	18
90th percentile time to start treatment ⁵ (minutes)					77	82

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Byron Central Hospital: Time patients waited to start treatment, triage 5 July to September 2017

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

Number of triage 5 patients: 529

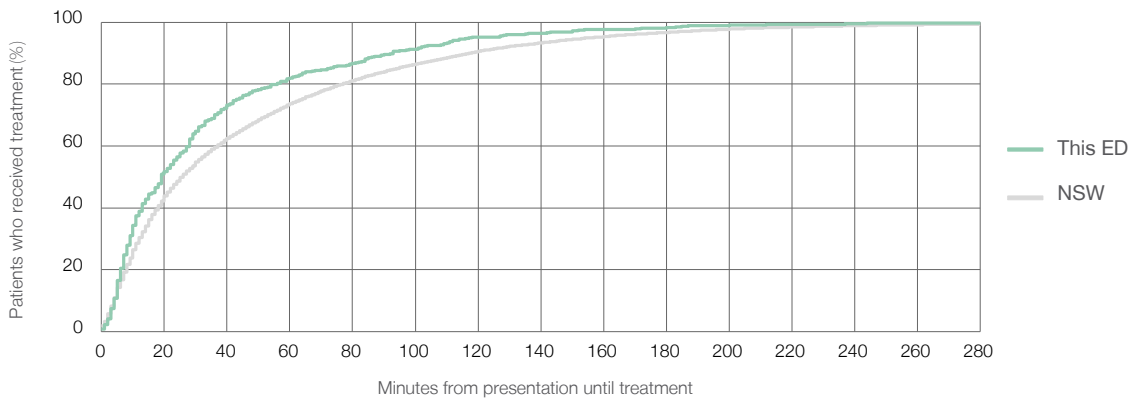
Number of triage 5 patients used to calculate waiting time:³ 474

Median time to start treatment⁴ 19 minutes

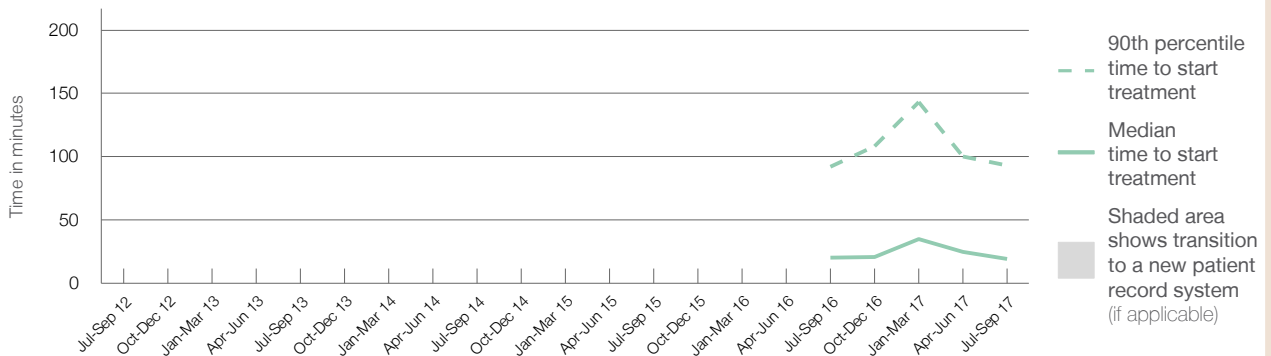
90th percentile time to start treatment⁵ 93 minutes

Same period last year	NSW (this period)
744	670
20 minutes	26 minutes
92 minutes	118 minutes

Percentage of triage 5 patients who received treatment by time, July to September 2017



Time patients waited to start treatment (minutes) for triage 5 patients, July 2012 to September 2017^{†‡§}



	Jul-Sep 2012	Jul-Sep 2013	Jul-Sep 2014	Jul-Sep 2015	Jul-Sep 2016	Jul-Sep 2017
Median time to start treatment ⁴ (minutes)					20	19
90th percentile time to start treatment ⁵ (minutes)					92	93

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Byron Central Hospital: Time patients spent in the ED

July to September 2017

All presentations:¹ 4,572 patients

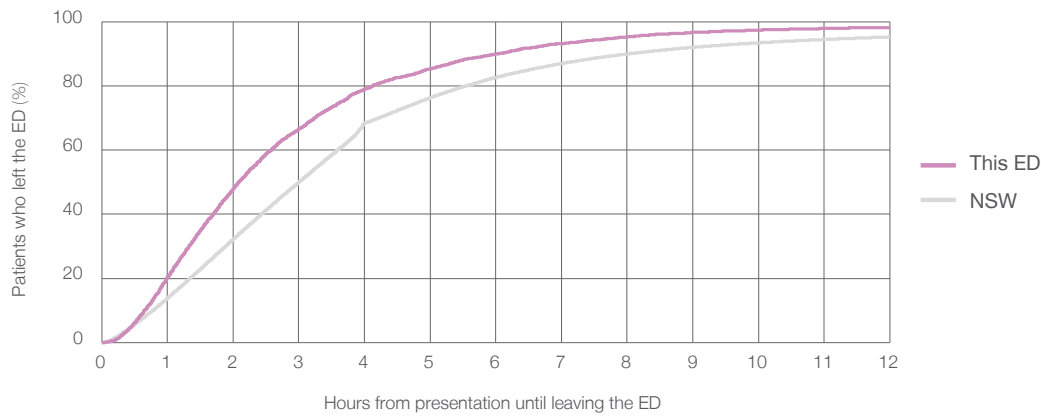
Presentations used to calculate time to leaving the ED:⁶ 4,569 patients

Median time spent in the ED⁸ 2 hours and 5 minutes

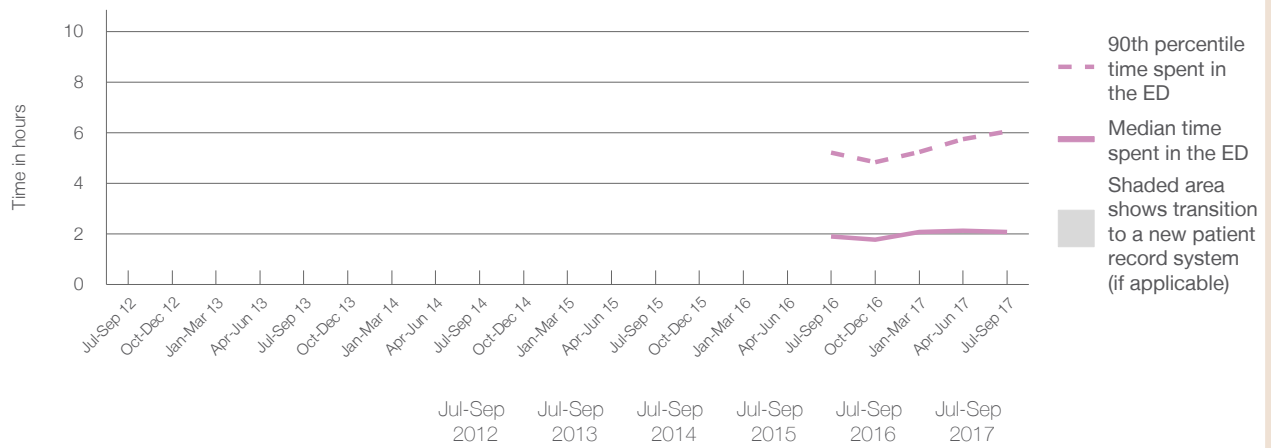
90th percentile time spent in the ED⁹ 6 hours and 3 minutes

Same period last year	NSW (this period)
4,055	4,055
1 hours and 55 minutes	3 hours and 0 minutes
5 hours and 13 minutes	8 hours and 2 minutes

Percentage of patients who left the ED by time, July to September 2017



Time patients spent in the ED, by quarter, July 2012 to September 2017^{†‡§}



	Jul-Sep 2012	Jul-Sep 2013	Jul-Sep 2014	Jul-Sep 2015	Jul-Sep 2016	Jul-Sep 2017
Median time to leaving the ED ⁸ (hours, minutes)					1h 55m	2h 5m
90th percentile time to leaving the ED ⁹ (hours, minutes)					5h 13m	6h 3m

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Byron Central Hospital: Time patients spent in the ED By mode of separation July to September 2017

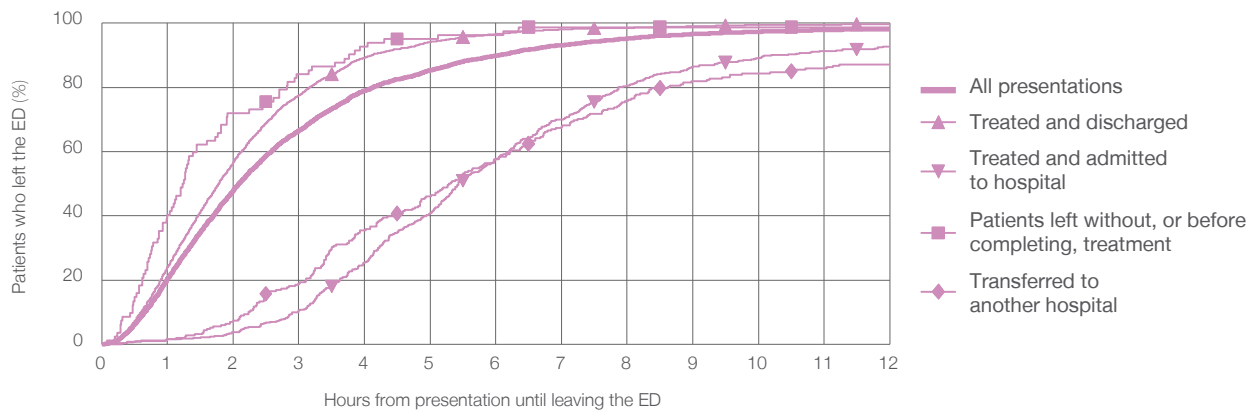
All presentations:¹ 4,572 patients

Presentations used to calculate time to leaving the ED:⁶ 4,569 patients

Treated and discharged	3,694 (80.8%)
Treated and admitted to hospital	538 (11.8%)
Patient left without, or before completing, treatment	82 (1.8%)
Transferred to another hospital	248 (5.4%)
Other	10 (0.2%)

Same period last year	Change since one year ago
4,055	12.7%
3,470	6.5%
356	51.1%
76	7.9%
143	73.4%
10	0.0%

Percentage of patients who left the ED by time and mode of separation, July to September 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	24.1%	56.8%	77.5%	89.3%	96.6%	98.6%	99.4%	99.7%
Treated and admitted to hospital	1.5%	3.7%	10.6%	25.5%	57.8%	80.5%	89.0%	92.8%
Patient left without, or before completing, treatment	40.2%	72.0%	84.1%	92.7%	96.3%	98.8%	98.8%	98.8%
Transferred to another hospital	1.6%	7.3%	19.0%	35.5%	57.7%	75.8%	84.3%	87.1%
All presentations	20.5%	48.0%	66.5%	78.9%	89.9%	95.2%	97.4%	98.2%

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Byron Central Hospital: Time spent in the ED
 Percentage of patients who spent four hours or less in the ED
 July to September 2017

All presentations at the emergency department:¹ 4,572 patients

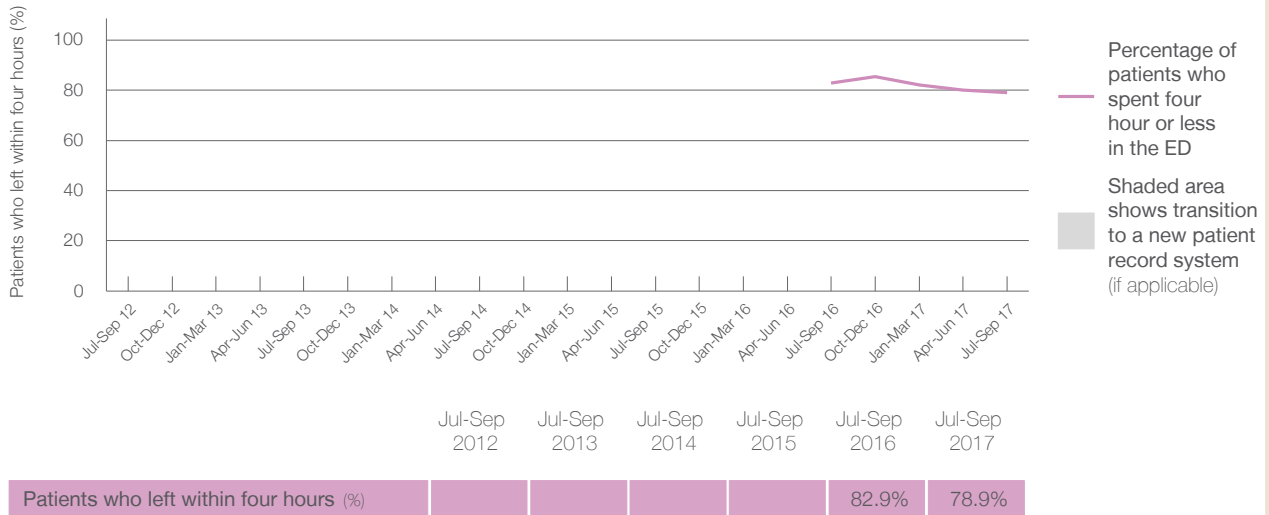
Presentations used to calculate time to leaving the ED:⁶ 4,569 patients

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: ¹	4,055	12.7%
Presentations used to calculate time to leaving the ED: ⁶	4,055	12.7%
Percentage of patients who spent four hours or less in the ED	82.9%	

Percentage of patients who spent four hours or less in the ED, by quarter, July 2012 to September 2017**



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

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- 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 17 October 2017).
 Transfer of care data from Transfer of Care Reporting System(extracted 17 October 2017).