

The Children's Hospital at Westmead: Emergency department (ED) overview

July to September 2016

	Same period last year	Change since one year ago
All presentations: ¹ 14,743 patients	15,284	-3.5%
Emergency presentations: ² 14,599 patients	15,114	-3.4%

The Children's Hospital at Westmead: Time patients waited to start treatment³

July to September 2016

	Same period last year	NSW (this period)
Triage 2 Emergency (e.g. chest pain, severe burns): 485 patients	445	
Median time to start treatment ⁴ 7 minutes	6 minutes	8 minutes
95th percentile time to start treatment ⁵ 21 minutes	15 minutes	41 minutes
Triage 3 Urgent (e.g. moderate blood loss, dehydration): 3,587 patients	3,479	
Median time to start treatment ⁴ 24 minutes	25 minutes	21 minutes
95th percentile time to start treatment ⁵ 82 minutes	93 minutes	103 minutes
Triage 4 Semi-urgent (e.g. sprained ankle, earache): 10,332 patients	10,970	
Median time to start treatment ⁴ 51 minutes	52 minutes	27 minutes
95th percentile time to start treatment ⁵ 220 minutes	247 minutes	139 minutes
Triage 5 Non-urgent (e.g. small cuts or abrasions): 77 patients	125	
Median time to start treatment ⁴ 81 minutes	80 minutes	24 minutes
95th percentile time to start treatment ⁵ *	*	138 minutes

The Children's Hospital at Westmead: Time from presentation until leaving the ED

July to September 2016

	Same period last year	Change since one year ago
Attendances used to calculate time to leaving the ED: ⁶ 14,743 patients	15,284	-3.5%
Percentage of patients who spent four hours or less in the ED 66.4%	63.9%	

* 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 95th percentile is the time by which 95% of patients started treatment. The final 5% of patients waited equal to or longer than this time.
- All presentations that have a departure time.

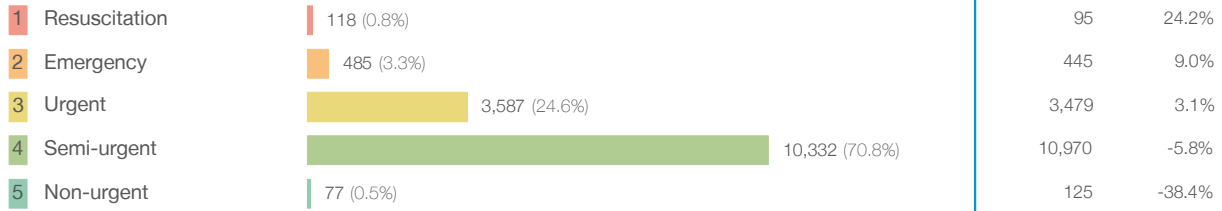
Note: Presentation time is the earlier time recorded for clerical registration or the triage process. Treatment time is the earliest time recorded when a healthcare professional provides medical care relevant to the patient's presenting problems.

Source: Health Information Exchange, NSW Health (extracted 20 October 2016).

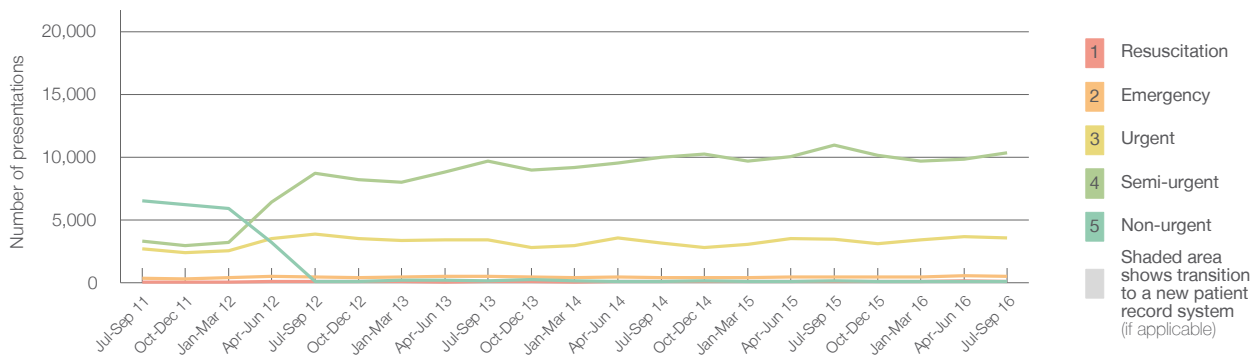
The Children's Hospital at Westmead: Patients presenting to the emergency department July to September 2016

All presentations:¹ 14,743 patients

Emergency presentations² by triage category: 14,599 patients



Emergency presentations² by quarter, July 2011 to September 2016 †‡

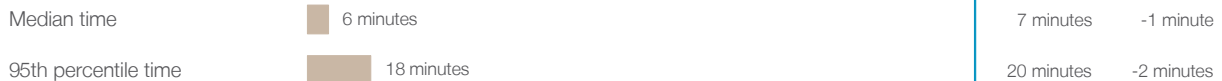


	Jul-Sep 2011	Jul-Sep 2012	Jul-Sep 2013	Jul-Sep 2014	Jul-Sep 2015	Jul-Sep 2016
Resuscitation	61	72	109	91	95	118
Emergency	345	447	484	394	445	485
Urgent	2,712	3,893	3,419	3,133	3,479	3,587
Semi-urgent	3,295	8,710	9,665	9,994	10,970	10,332
Non-urgent	6,524	97	138	100	125	77
All emergency presentations	12,937	13,219	13,815	13,712	15,114	14,599

The Children's Hospital at Westmead: Patients arriving by ambulance July to September 2016

Arrivals used to calculate transfer of care time:⁷ 1,118 patients

ED Transfer of care time



(†) 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.

(§) The Sydney Children's Hospitals Network (Randwick and Westmead) advise that application of ED triaging definitions has been standardised across their facilities. This has resulted in a reporting shift of some cases from category 5 to category 4 and from category 4 to category 3 at Children's Hospital Westmead from June 2012 onwards.

The Children's Hospital at Westmead: Time patients waited to start treatment, triage 2 July to September 2016

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

Number of triage 2 patients: 485

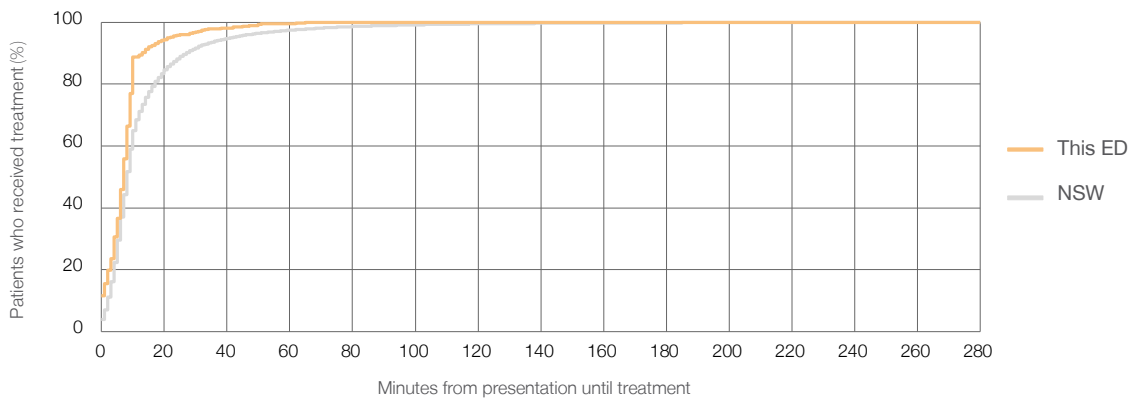
Number of triage 2 patients used to calculate waiting time:³ 485

Median time to start treatment⁴ 7 minutes

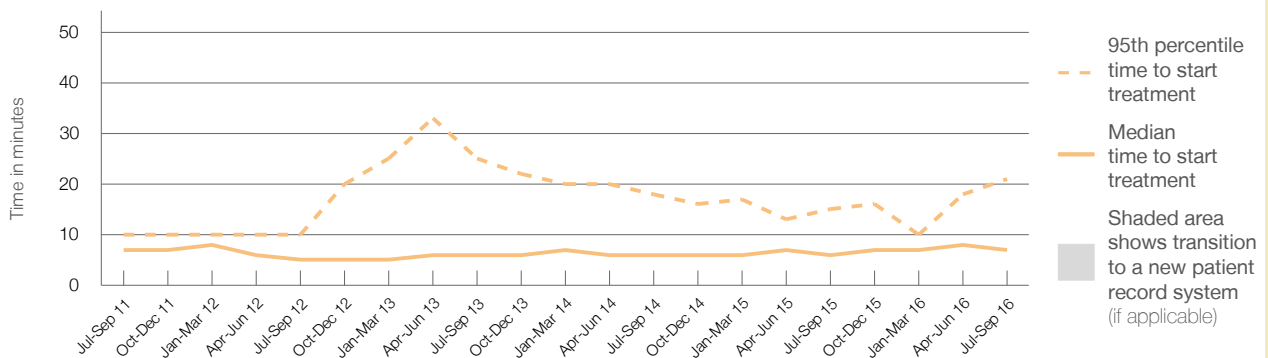
95th percentile time to start treatment⁵ 21 minutes

Same period last year	NSW (this period)
445	445
6 minutes	8 minutes
15 minutes	41 minutes

Percentage of triage 2 patients who received treatment by time, July to September 2016



Time patients waited to start treatment (minutes) for triage 2 patients, July 2011 to September 2016^{†‡§}



	Jul-Sep 2011	Jul-Sep 2012	Jul-Sep 2013	Jul-Sep 2014	Jul-Sep 2015	Jul-Sep 2016
Median time to start treatment ⁴ (minutes)	7	5	6	6	6	7
95th percentile time to start treatment ⁵ (minutes)	10	10	25	18	15	21

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(§) This hospital does not use one of the two major information systems implemented in NSW emergency departments. Caution is advised when comparing results from this emergency department to others. For more information, see Background Paper: Approaches to reporting time measures of emergency department performance, December 2011.

The Children's Hospital at Westmead: Time patients waited to start treatment, triage 3 July to September 2016

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

Number of triage 3 patients: 3,587

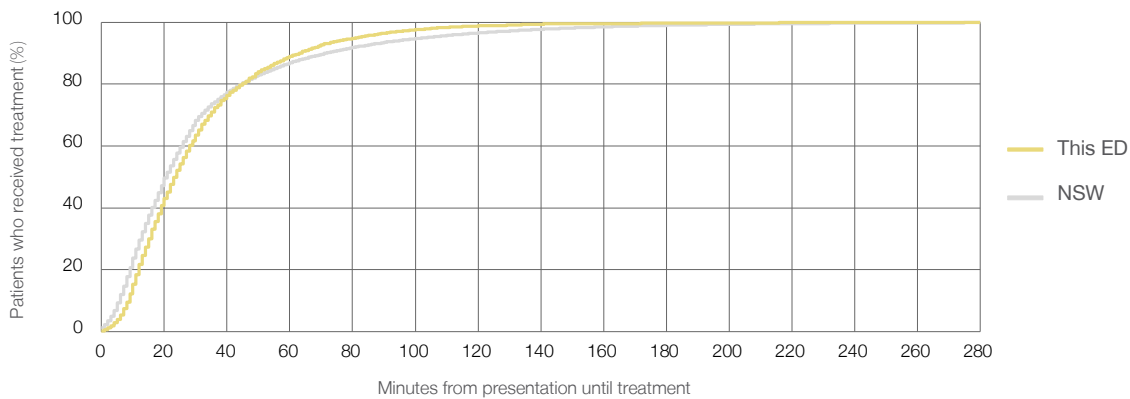
Number of triage 3 patients used to calculate waiting time:³ 3,583

Median time to start treatment⁴ 24 minutes

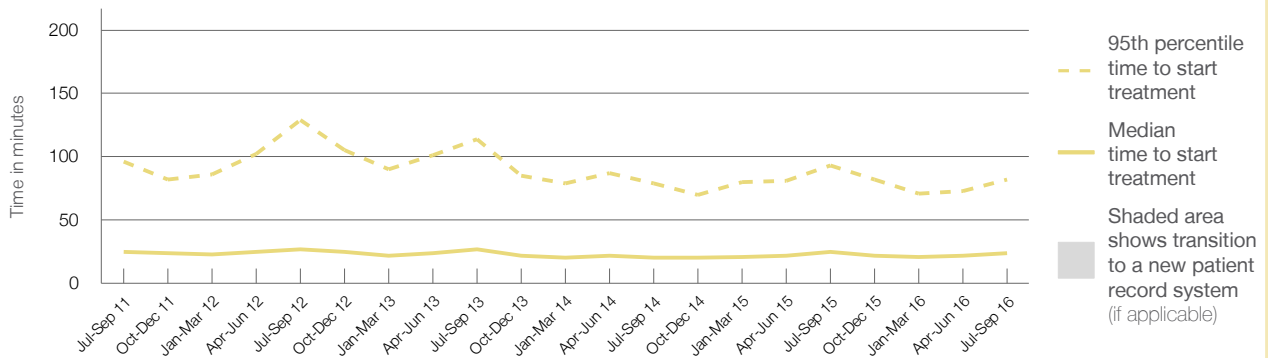
95th percentile time to start treatment⁵ 82 minutes

Same period last year	NSW (this period)
3,479	
3,468	
25 minutes	21 minutes
93 minutes	103 minutes

Percentage of triage 3 patients who received treatment by time, July to September 2016



Time patients waited to start treatment (minutes) for triage 3 patients, July 2011 to September 2016^{†‡§}



	Jul-Sep 2011	Jul-Sep 2012	Jul-Sep 2013	Jul-Sep 2014	Jul-Sep 2015	Jul-Sep 2016
Median time to start treatment ⁴ (minutes)	25	27	27	20	25	24
95th percentile time to start treatment ⁵ (minutes)	96	129	114	79	93	82

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The Children's Hospital at Westmead: Time patients waited to start treatment, triage 4 July to September 2016

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

Number of triage 4 patients: 10,332

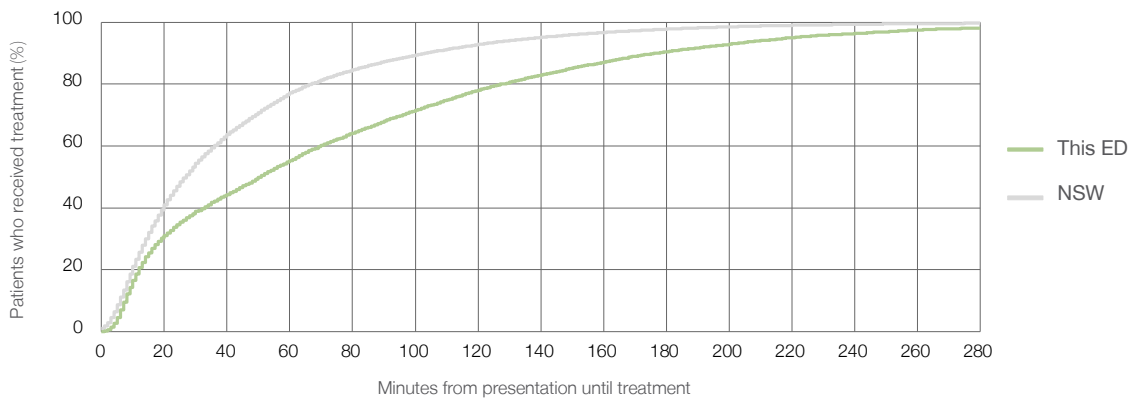
Number of triage 4 patients used to calculate waiting time:³ 8,615

Median time to start treatment⁴ 51 minutes

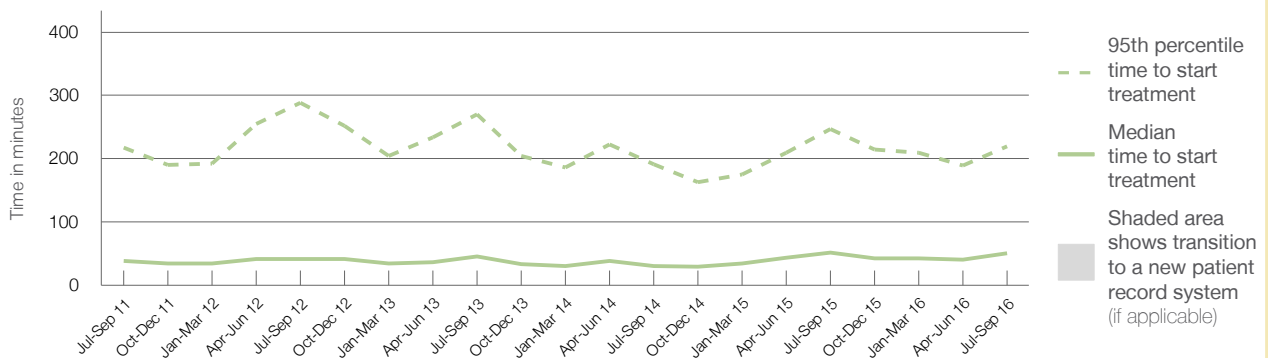
95th percentile time to start treatment⁵ 220 minutes

	Same period last year	NSW (this period)
Number of triage 4 patients	10,970	8,870
Median time to start treatment ⁴	52 minutes	27 minutes
95th percentile time to start treatment ⁵	247 minutes	139 minutes

Percentage of triage 4 patients who received treatment by time, July to September 2016



Time patients waited to start treatment (minutes) for triage 4 patients, July 2011 to September 2016^{†‡§}



	Jul-Sep 2011	Jul-Sep 2012	Jul-Sep 2013	Jul-Sep 2014	Jul-Sep 2015	Jul-Sep 2016
Median time to start treatment ⁴ (minutes)	38	42	46	30	52	51
95th percentile time to start treatment ⁵ (minutes)	217	288	270	191	247	220

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The Children's Hospital at Westmead: Time patients waited to start treatment, triage 5 July to September 2016

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

Number of triage 5 patients: 77

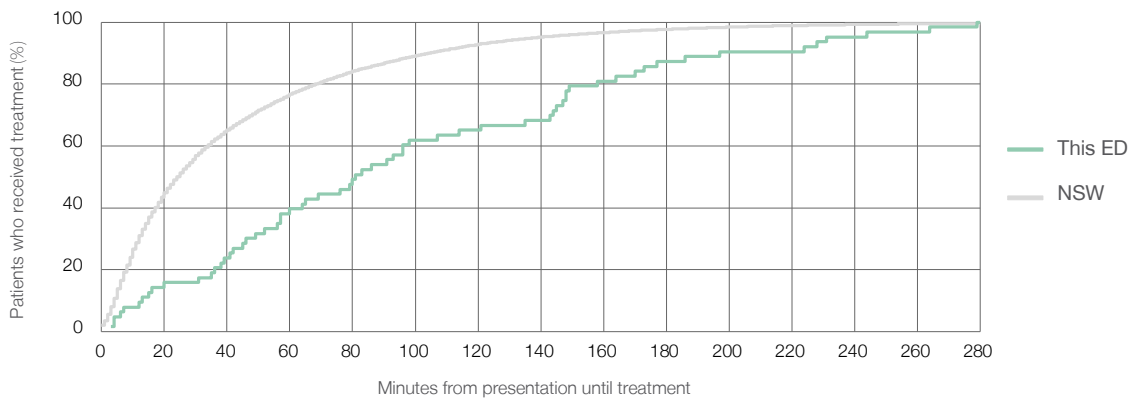
Number of triage 5 patients used to calculate waiting time:³ 63

Median time to start treatment⁴ 81 minutes

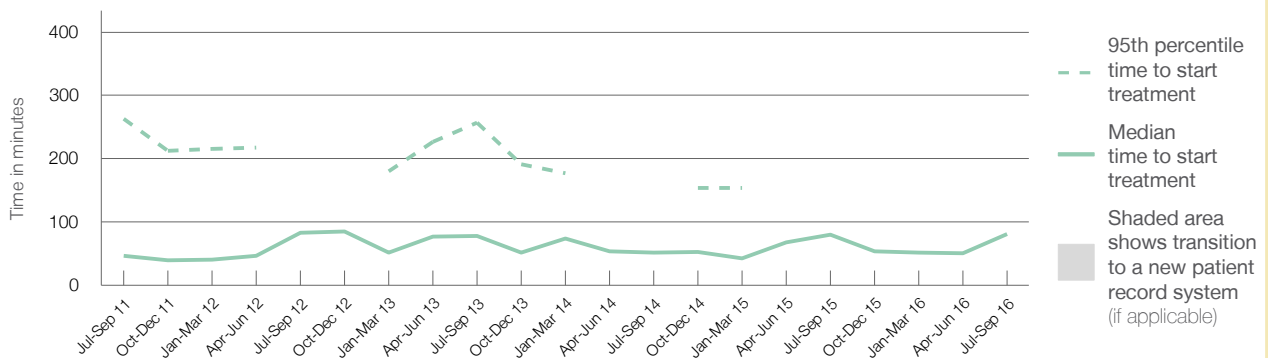
95th percentile time to start treatment⁵ *

Same period last year	NSW (this period)
125	85
80 minutes	24 minutes
*	138 minutes

Percentage of triage 5 patients who received treatment by time, July to September 2016



Time patients waited to start treatment (minutes) for triage 5 patients, July 2011 to September 2016^{†‡§}



	Jul-Sep 2011	Jul-Sep 2012	Jul-Sep 2013	Jul-Sep 2014	Jul-Sep 2015	Jul-Sep 2016
Median time to start treatment ⁴ (minutes)	47	83	78	52	80	81
95th percentile time to start treatment ⁵ (minutes)	263	*	257	*	*	*

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The Children's Hospital at Westmead: Time patients spent in the ED

July to September 2016

All presentations:¹ 14,743 patients

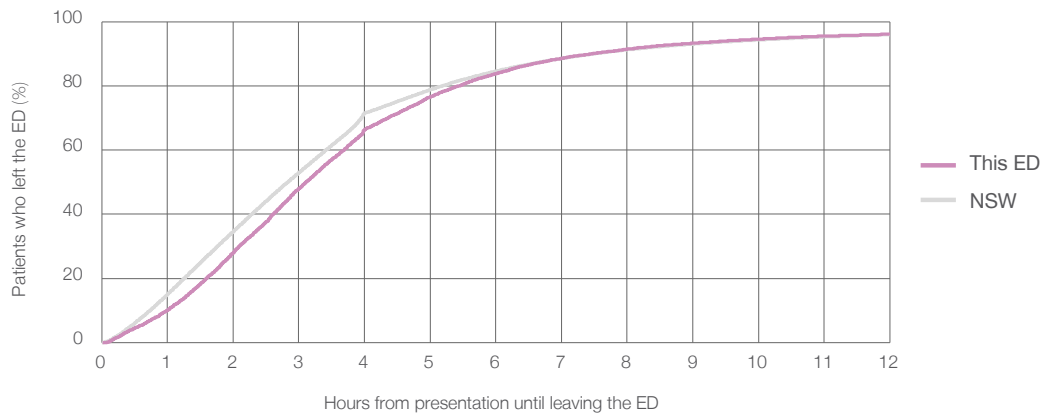
Presentations used to calculate time to leaving the ED:⁶ 14,743 patients

Median time spent in the ED⁸ 3 hours and 7 minutes

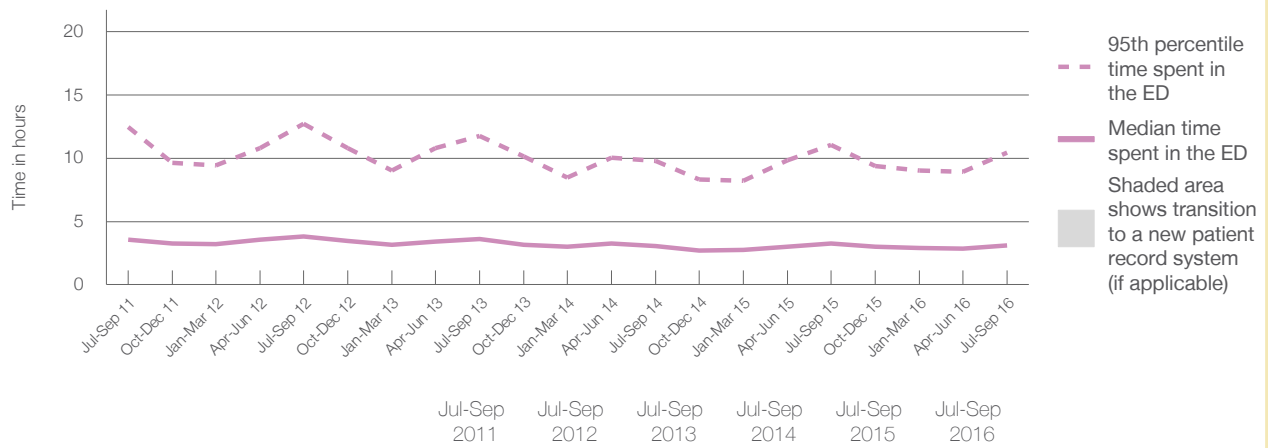
95th percentile time spent in the ED⁹ 10 hours and 25 minutes

Same period last year	NSW (this period)
15,284	15,284
3 hours and 15 minutes	2 hours and 50 minutes
11 hours and 3 minutes	10 hours and 43 minutes

Percentage of patients who left the ED by time, July to September 2016



Time patients spent in the ED, by quarter, July 2011 to September 2016^{†‡§}



	Jul-Sep 2011	Jul-Sep 2012	Jul-Sep 2013	Jul-Sep 2014	Jul-Sep 2015	Jul-Sep 2016
Median time to leaving the ED ⁸ (hours, minutes)	3h 35m	3h 49m	3h 37m	3h 2m	3h 15m	3h 7m
95th percentile time to leaving the ED ⁹ (hours, minutes)	12h 27m	12h 42m	11h 44m	9h 47m	11h 3m	10h 25m

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The Children's Hospital at Westmead: Time patients spent in the ED

By mode of separation

July to September 2016

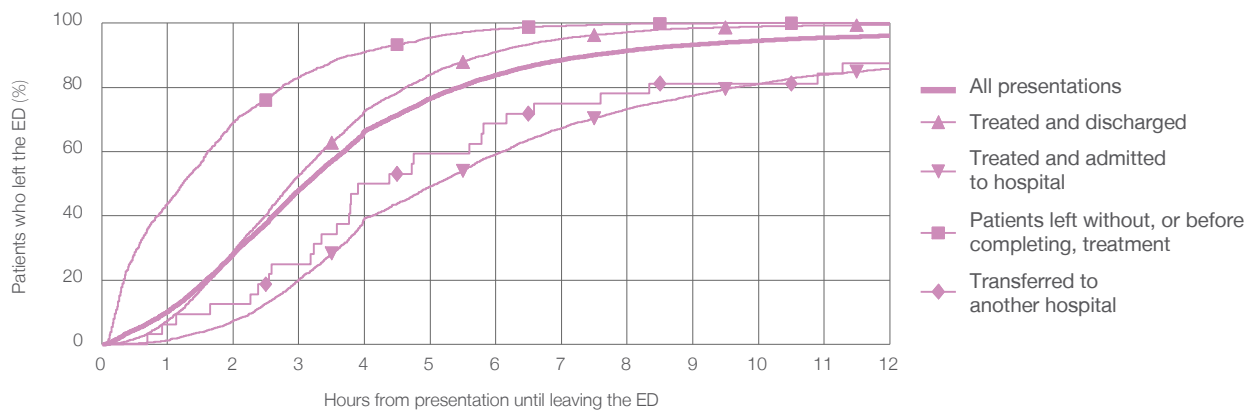
All presentations:¹ 14,743 patients

Presentations used to calculate time to leaving the ED:⁶ 14,743 patients

Treated and discharged	9,223 (62.6%)
Treated and admitted to hospital	3,720 (25.2%)
Patient left without, or before completing, treatment	1,768 (12.0%)
Transferred to another hospital	32 (0.2%)
Other	0 (0%)

Same period last year	Change since one year ago
15,284	-3.5%
9,386	-1.7%
3,685	0.9%
2,185	-19.1%
28	14.3%
0	

Percentage of patients who left the ED by time and mode of separation, July to September 2016 ^{†‡§}



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	7.4%	28.8%	52.7%	72.7%	91.1%	97.2%	99.0%	99.5%
Treated and admitted to hospital	1.2%	7.3%	20.1%	39.3%	59.2%	73.3%	81.1%	85.8%
Patient left without, or before completing, treatment	43.9%	69.2%	83.1%	91.0%	98.2%	99.8%	100%	100%
Transferred to another hospital	6.3%	12.5%	25.0%	50.0%	68.8%	78.1%	81.3%	87.5%
All presentations	10.2%	28.2%	48.0%	66.4%	83.8%	91.5%	94.6%	96.1%

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The Children's Hospital at Westmead: Time spent in the ED Percentage of patients who spent four hours or less in the ED July to September 2016

All presentations at the emergency department: ¹ 14,743 patients

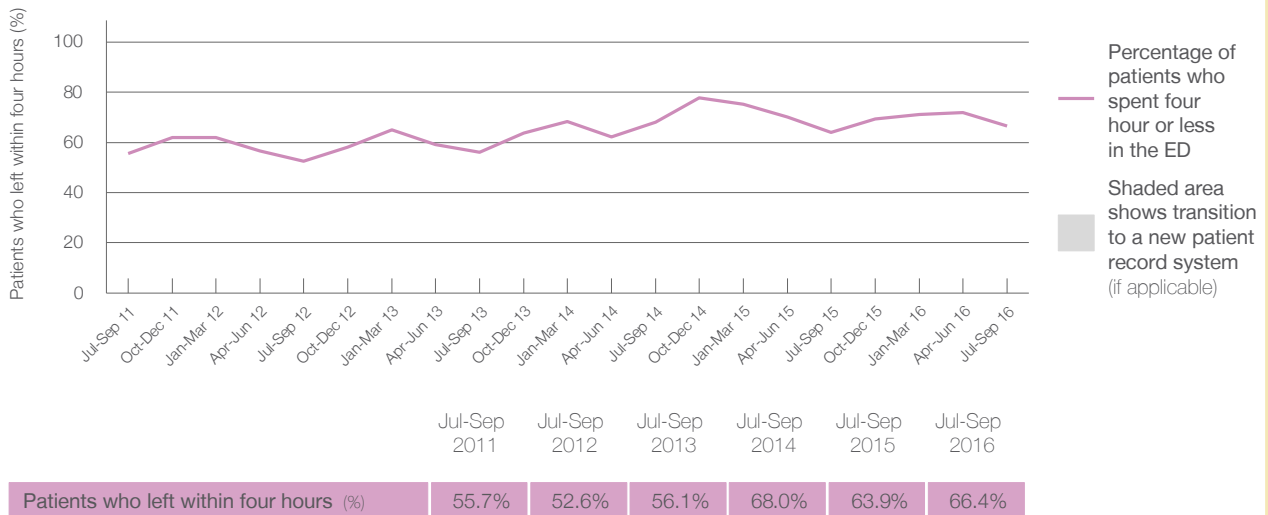
Presentations used to calculate time to leaving the ED: ⁶ 14,743 patients

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	15,284	-3.5%
Presentations used to calculate time to leaving the ED	15,284	-3.5%
Percentage of patients who spent four hours or less in the ED	63.9%	

Percentage of patients who spent four hours or less in the ED, by quarter, July 2011 to September 2016 ^{†‡}



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

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‡ 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 95th percentile is the time by which 95% of patients started treatment. The final 5% 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 95th percentile is the time by which 95% of patients left the ED. The final 5% 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 20 October 2016). Transfer of care data from Transfer of Care Reporting System (extracted 20 October 2016).