

Sydney Children's Hospital: Emergency department (ED) overview

July to September 2016

All presentations:¹ 9,444 patients
Emergency presentations:² 9,352 patients

Same period last year	Change since one year ago
9,726	-2.9%
9,580	-2.4%

Sydney Children's Hospital: Time patients waited to start treatment³

July to September 2016

Triage 2 Emergency (e.g. chest pain, severe burns): 372 patients

Median time to start treatment⁴ 10 minutes
95th percentile time to start treatment⁵ 27 minutes

Triage 3 Urgent (e.g. moderate blood loss, dehydration): 1,748 patients

Median time to start treatment⁴ 19 minutes
95th percentile time to start treatment⁵ 67 minutes

Triage 4 Semi-urgent (e.g. sprained ankle, earache): 6,959 patients

Median time to start treatment⁴ 37 minutes
95th percentile time to start treatment⁵ 145 minutes

Triage 5 Non-urgent (e.g. small cuts or abrasions): 203 patients

Median time to start treatment⁴ 31 minutes
95th percentile time to start treatment⁵ 121 minutes

Same period last year	NSW (this period)
408	
9 minutes	8 minutes
28 minutes	41 minutes
1,799	
22 minutes	21 minutes
79 minutes	103 minutes
7,018	
43 minutes	27 minutes
163 minutes	139 minutes
303	
42 minutes	24 minutes
133 minutes	138 minutes

Sydney Children's Hospital: Time from presentation until leaving the ED

July to September 2016

Attendances used to calculate time to leaving the ED:⁶ 9,444 patients

Percentage of patients who spent four hours or less in the ED 77.4%

Same period last year	Change since one year ago
9,726	-2.9%
75.6%	

* 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.

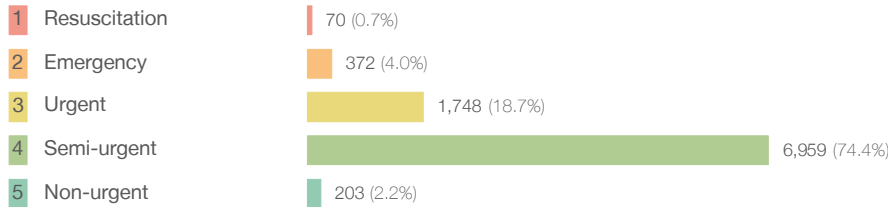
Note: Presentation time is the earlier time recorded for clerical registration or the triage process. Treatment time is the earliest time recorded when a healthcare professional provides medical care relevant to the patient's presenting problems.

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

Sydney Children's Hospital: Patients presenting to the emergency department July to September 2016

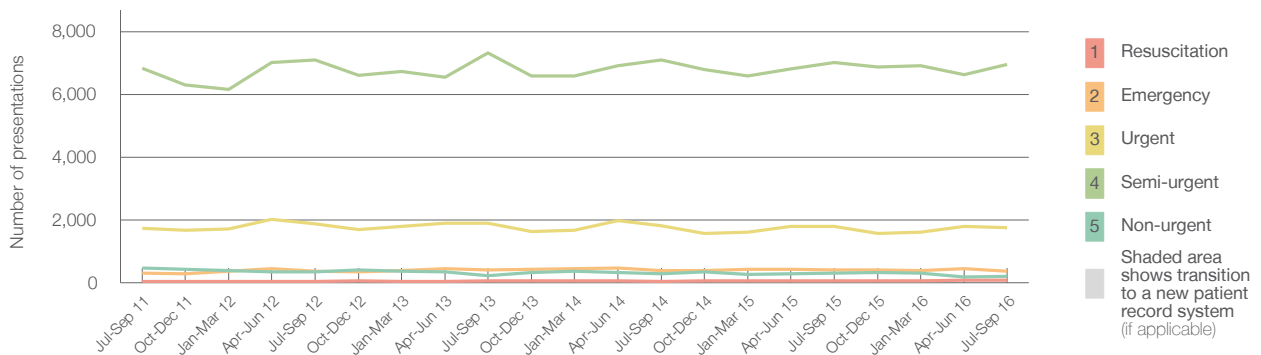
All presentations:¹ 9,444 patients

Emergency presentations² by triage category: 9,352 patients



	Same period last year	Change since one year ago
All presentations	9,726	-2.9%
Emergency presentations	9,580	-2.4%
Resuscitation	52	34.6%
Emergency	408	-8.8%
Urgent	1,799	-2.8%
Semi-urgent	7,018	-0.8%
Non-urgent	303	-33.0%

Emergency presentations² by quarter, July 2011 to September 2016 †

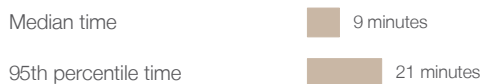


	Jul-Sep 2011	Jul-Sep 2012	Jul-Sep 2013	Jul-Sep 2014	Jul-Sep 2015	Jul-Sep 2016
Resuscitation	36	42	51	45	52	70
Emergency	307	358	396	375	408	372
Urgent	1,724	1,879	1,889	1,808	1,799	1,748
Semi-urgent	6,825	7,098	7,317	7,088	7,018	6,959
Non-urgent	464	347	215	282	303	203
All emergency presentations	9,356	9,724	9,868	9,598	9,580	9,352

Sydney Children's Hospital: Patients arriving by ambulance July to September 2016

Arrivals used to calculate transfer of care time:⁷ 633 patients

ED Transfer of care time



	Same period last year	Change since one year ago
Arrivals used to calculate transfer of care time	668	
ED Transfer of care time		
Median time	9 minutes	0 minutes
95th percentile time	20 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.

Sydney Children's Hospital: 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: 372

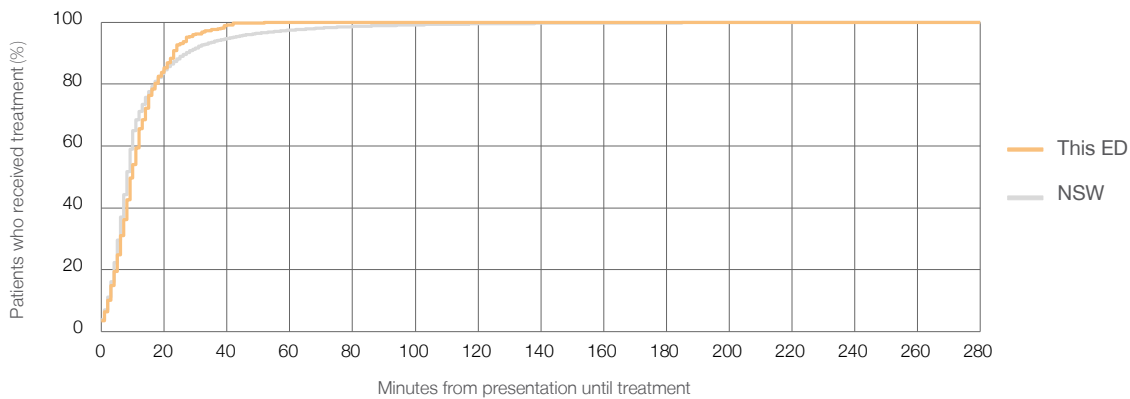
Number of triage 2 patients used to calculate waiting time:³ 371

Median time to start treatment⁴ 10 minutes

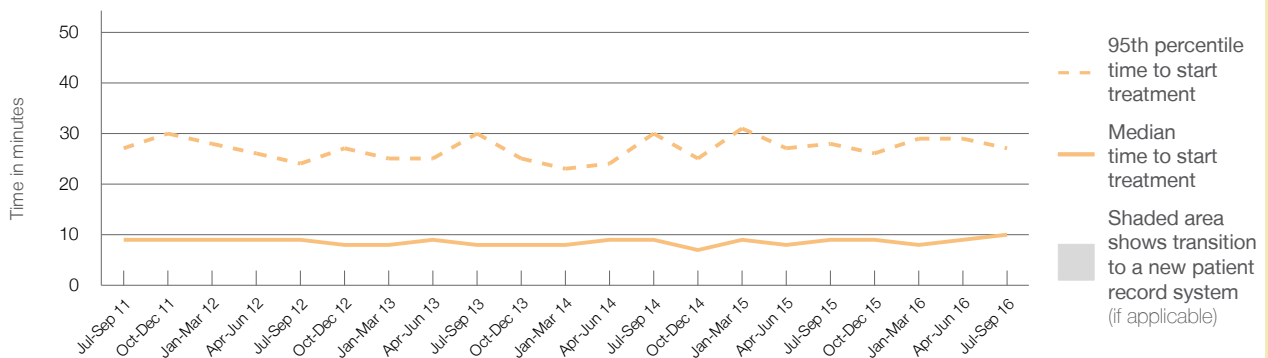
95th percentile time to start treatment⁵ 27 minutes

Same period last year	NSW (this period)
408	408
9 minutes	8 minutes
28 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)	9	9	8	9	9	10
95th percentile time to start treatment ⁵ (minutes)	27	24	30	30	28	27

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Sydney Children's Hospital: 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: 1,748

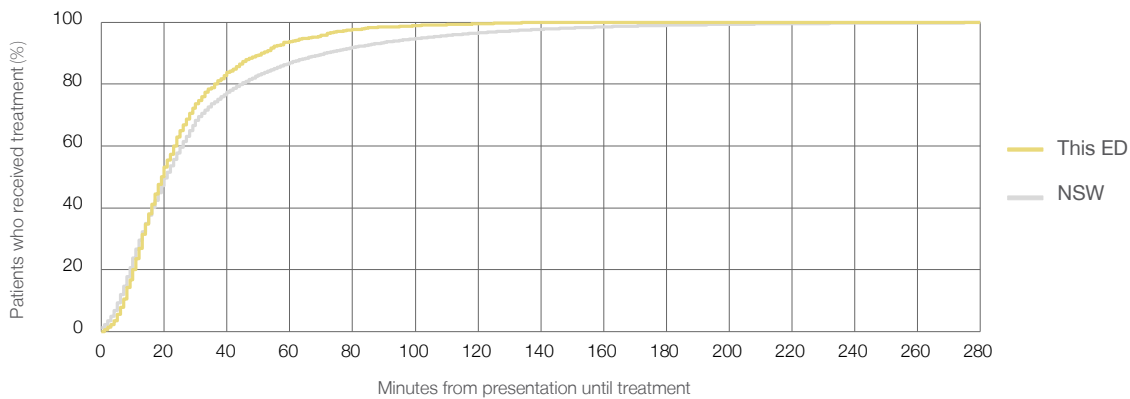
Number of triage 3 patients used to calculate waiting time:³ 1,743

Median time to start treatment⁴ 19 minutes

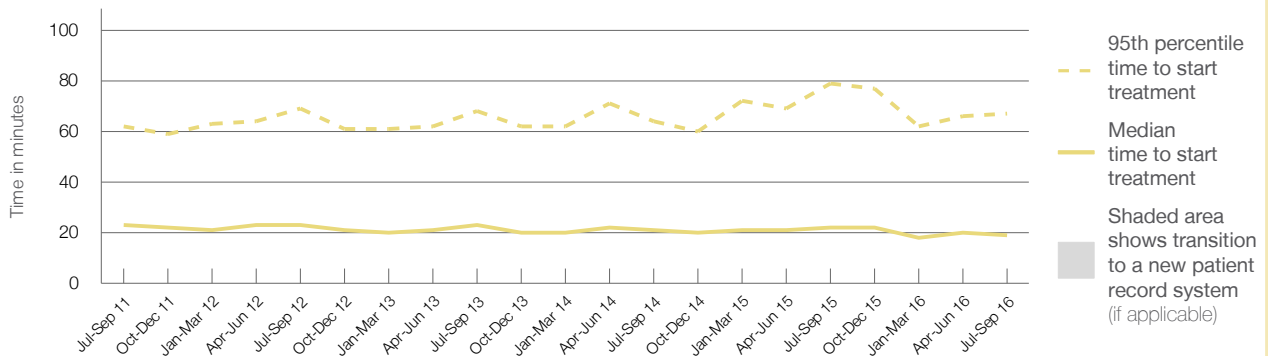
95th percentile time to start treatment⁵ 67 minutes

Same period last year	NSW (this period)
1,799	1,794
22 minutes	21 minutes
79 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)	23	23	23	21	22	19
95th percentile time to start treatment ⁵ (minutes)	62	69	68	64	79	67

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Sydney Children's Hospital: 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: 6,959

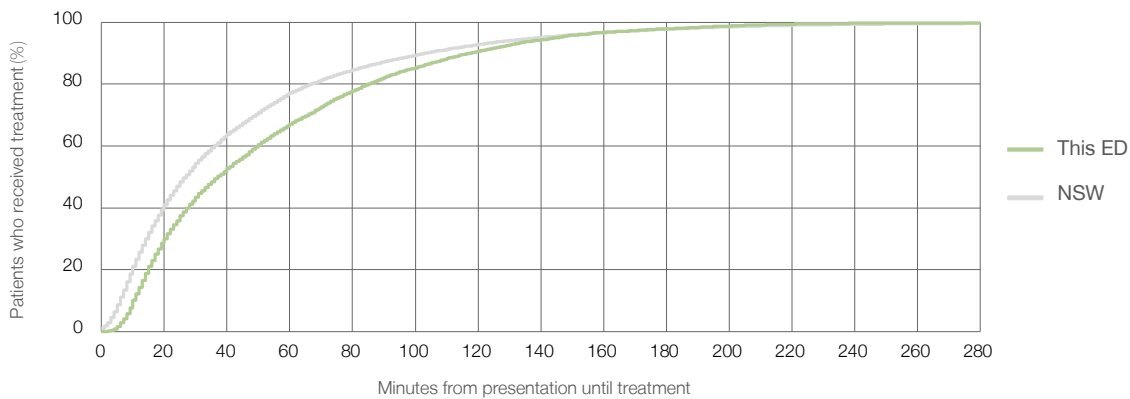
Number of triage 4 patients used to calculate waiting time:³ 6,733

Median time to start treatment⁴ 37 minutes

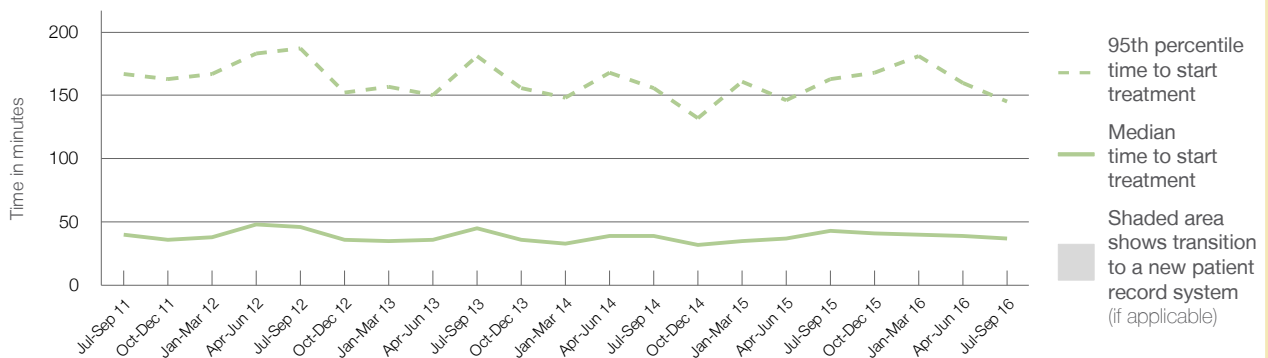
95th percentile time to start treatment⁵ 145 minutes

Same period last year	NSW (this period)
7,018	
6,758	
43 minutes	27 minutes
163 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)	40	46	45	39	43	37
95th percentile time to start treatment ⁵ (minutes)	167	187	181	156	163	145

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Sydney Children's Hospital: 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: 203

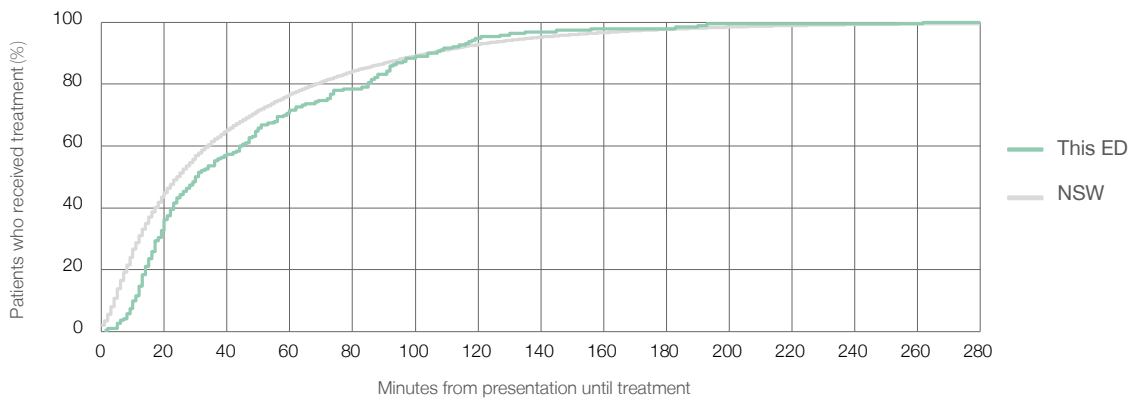
Number of triage 5 patients used to calculate waiting time:³ 190

Median time to start treatment⁴ 31 minutes

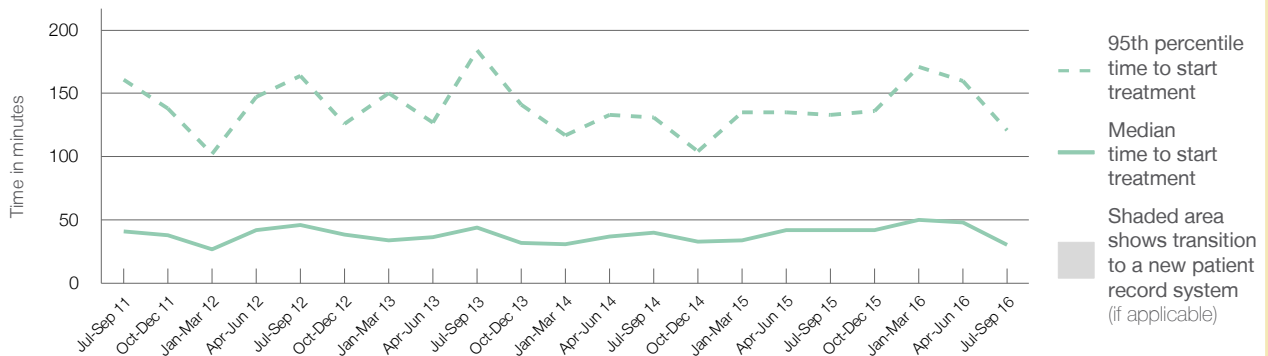
95th percentile time to start treatment⁵ 121 minutes

Same period last year	NSW (this period)
303	281
42 minutes	24 minutes
133 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)	41	46	44	40	42	31
95th percentile time to start treatment ⁵ (minutes)	161	164	184	131	133	121

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Sydney Children's Hospital: Time patients spent in the ED

July to September 2016

All presentations:¹ 9,444 patients

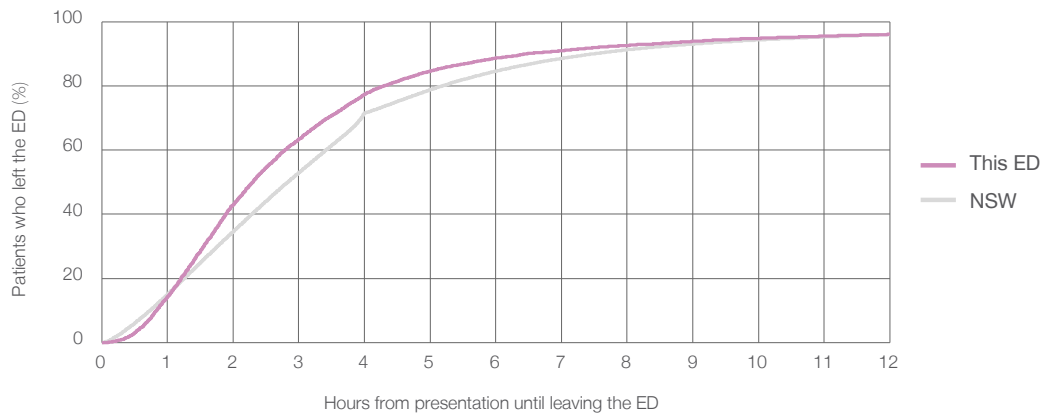
Presentations used to calculate time to leaving the ED:⁶ 9,444 patients

Median time spent in the ED⁸ 2 hours and 18 minutes

95th percentile time spent in the ED⁹ 10 hours and 16 minutes

Same period last year	NSW (this period)
9,726	9,726
2 hours and 27 minutes	2 hours and 50 minutes
9 hours and 7 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)	2h 21m	2h 36m	2h 40m	2h 22m	2h 27m	2h 18m
95th percentile time to leaving the ED ⁹ (hours, minutes)	8h 18m	8h 21m	9h 43m	8h 41m	9h 7m	10h 16m

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Sydney Children's Hospital: Time patients spent in the ED

By mode of separation

July to September 2016

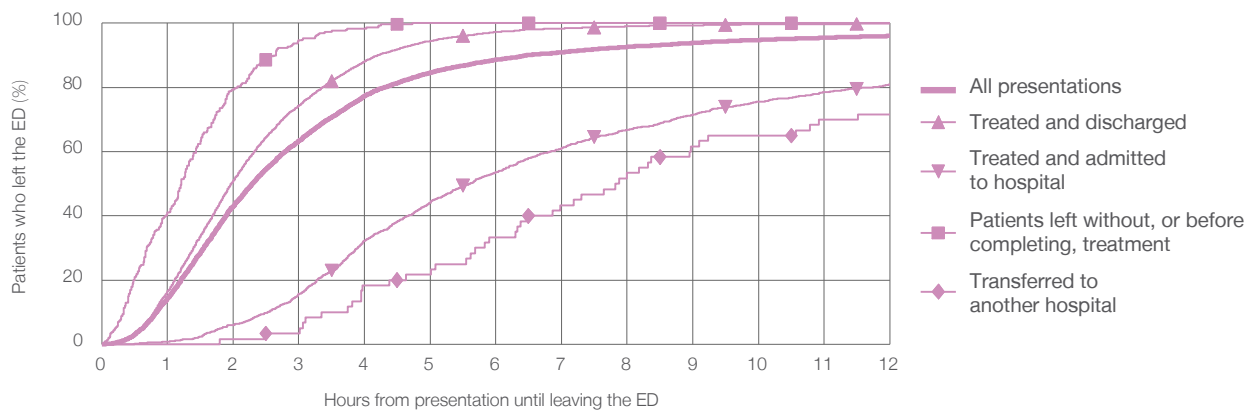
All presentations:¹ 9,444 patients

Presentations used to calculate time to leaving the ED:⁶ 9,444 patients

Treated and discharged	7,251 (76.8%)
Treated and admitted to hospital	1,804 (19.1%)
Patient left without, or before completing, treatment	300 (3.2%)
Transferred to another hospital	60 (0.6%)
Other	29 (0.3%)

Same period last year	Change since one year ago
9,726	-2.9%
7,341	-1.2%
1,945	-7.2%
371	-19.1%
59	1.7%
10	190.0%

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	16.5%	51.0%	74.3%	88.1%	97.3%	99.0%	99.6%	99.8%
Treated and admitted to hospital	0.8%	6.0%	15.6%	32.4%	53.5%	66.7%	75.6%	80.9%
Patient left without, or before completing, treatment	41.0%	79.3%	94.7%	98.3%	100%	100%	100%	100%
Transferred to another hospital	0%	1.7%	3.3%	18.3%	33.3%	53.3%	65.0%	71.7%
All presentations	14.4%	43.1%	63.4%	77.4%	88.6%	92.6%	94.8%	96.1%

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Sydney Children's Hospital: 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 9,444 patients

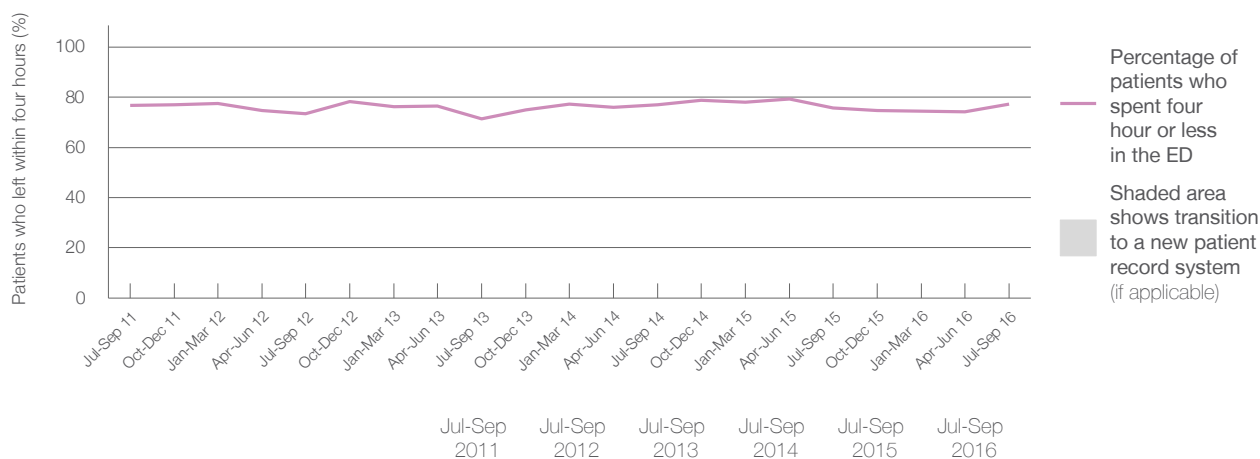
Presentations used to calculate time to leaving the ED: ⁶ 9,444 patients

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	9,726	-2.9%
Presentations used to calculate time to leaving the ED	9,726	-2.9%
Percentage of patients who spent four hours or less in the ED	75.6%	

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



Patients who left within four hours (%)	Jul-Sep 2011	Jul-Sep 2012	Jul-Sep 2013	Jul-Sep 2014	Jul-Sep 2015	Jul-Sep 2016
	76.8%	73.5%	71.5%	76.9%	75.6%	77.4%

* 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 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).