

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

April to June 2017

All presentations:<sup>1</sup> 9,248 patients  
 Emergency presentations:<sup>2</sup> 9,174 patients

Same period last year	Change since one year ago
9,297	-0.5%
9,125	0.5%

## Sydney Children's Hospital: Time patients waited to start treatment<sup>3</sup>

April to June 2017

**Triage 2** Emergency (e.g. chest pain, severe burns): 407 patients

Median time to start treatment<sup>4</sup> 9 minutes  
 90th percentile time to start treatment<sup>5</sup> 22 minutes

**Triage 3** Urgent (e.g. moderate blood loss, dehydration): 2,014 patients

Median time to start treatment<sup>4</sup> 21 minutes  
 90th percentile time to start treatment<sup>5</sup> 50 minutes

**Triage 4** Semi-urgent (e.g. sprained ankle, earache): 6,555 patients

Median time to start treatment<sup>4</sup> 41 minutes  
 90th percentile time to start treatment<sup>5</sup> 127 minutes

**Triage 5** Non-urgent (e.g. small cuts or abrasions): 139 patients

Median time to start treatment<sup>4</sup> 40 minutes  
 90th percentile time to start treatment<sup>5</sup> 120 minutes

Same period last year	NSW (this period)
446	
9 minutes	8 minutes
21 minutes	26 minutes
1,796	
20 minutes	20 minutes
51 minutes	67 minutes
6,621	
39 minutes	25 minutes
126 minutes	99 minutes
187	
48 minutes	23 minutes
129 minutes	101 minutes

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

April to June 2017

Attendances used to calculate time to leaving the ED:<sup>6</sup> 9,247 patients

Percentage of patients who spent four hours or less in the ED 72.4%

Same period last year	Change since one year ago
9,297	-0.5%
74.3%	

\* 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.

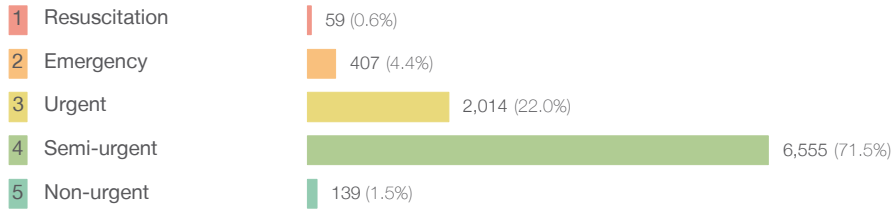
**Source:** Health Information Exchange, NSW Health (extracted 21 July 2017).

## Sydney Children's Hospital: Patients presenting to the emergency department

April to June 2017

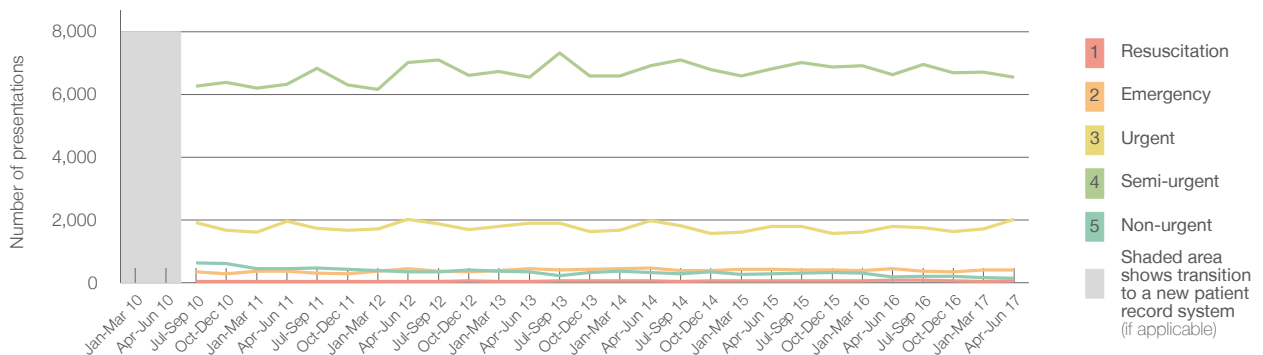
All presentations:<sup>1</sup> 9,248 patients

Emergency presentations<sup>2</sup> by triage category: 9,174 patients



Same period last year	Change since one year ago
9,297	-0.5%
9,125	0.5%
75	-21.3%
446	-8.7%
1,796	12.1%
6,621	-1.0%
187	-25.7%

Emergency presentations<sup>2</sup> by quarter, April 2012 to June 2017 †



	Apr-Jun 2010	Apr-Jun 2011	Apr-Jun 2012	Apr-Jun 2013	Apr-Jun 2014	Apr-Jun 2015	Apr-Jun 2016	Apr-Jun 2017
Resuscitation		43	46	36	60	62	75	59
Emergency		372	440	445	476	418	446	407
Urgent		1,958	2,014	1,895	1,967	1,783	1,796	2,014
Semi-urgent		6,330	7,009	6,543	6,917	6,809	6,621	6,555
Non-urgent		440	337	334	333	275	187	139
All emergency presentations		9,143	9,846	9,253	9,753	9,347	9,125	9,174

## Sydney Children's Hospital: Patients arriving by ambulance

April to June 2017

Arrivals used to calculate transfer of care time:<sup>7</sup> 668 patients

ED Transfer of care time



Same period last year	Change since one year ago
675	
9 minutes	0 minutes
18 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

April to June 2017

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

Number of triage 2 patients: 407

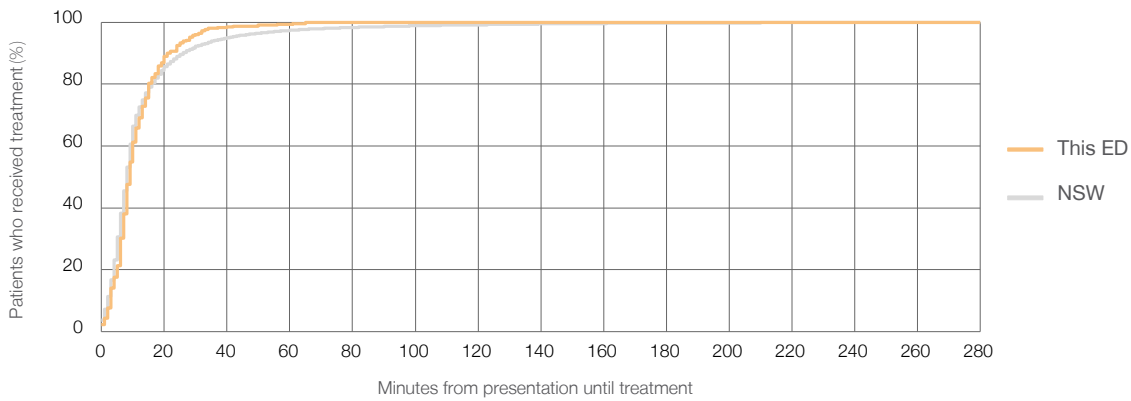
Number of triage 2 patients used to calculate waiting time:<sup>3</sup> 407

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

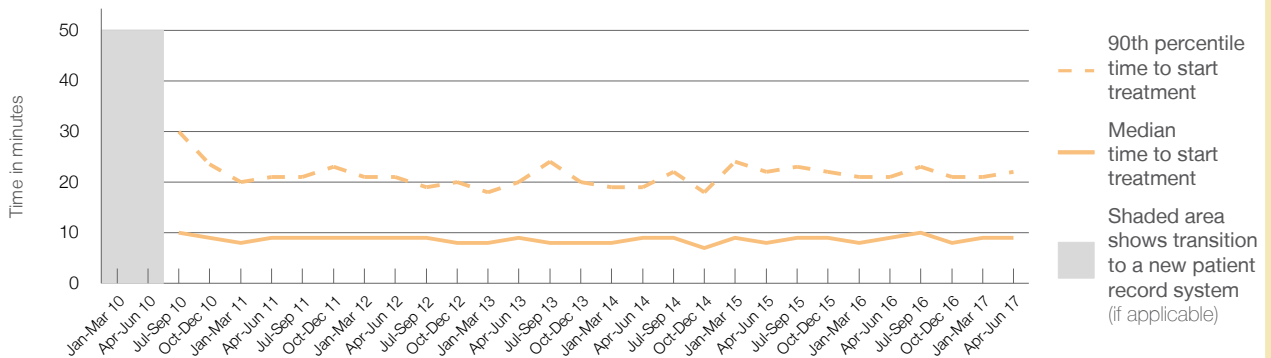
90th percentile time to start treatment<sup>5</sup> 22 minutes

Same period last year	NSW (this period)
446	
445	
9 minutes	8 minutes
21 minutes	26 minutes

Percentage of triage 2 patients who received treatment by time, April to June 2017



Time patients waited to start treatment (minutes) for triage 2 patients, April 2012 to June 2017<sup>†‡</sup>



	Apr-Jun 2010	Apr-Jun 2011	Apr-Jun 2012	Apr-Jun 2013	Apr-Jun 2014	Apr-Jun 2015	Apr-Jun 2016	Apr-Jun 2017
Median time to start treatment <sup>4</sup> (minutes)		9	9	9	9	8	9	9
90th percentile time to start treatment <sup>5</sup> (minutes)		21	21	20	19	22	21	22

(†) 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 3 April to June 2017

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

Number of triage 3 patients: 2,014

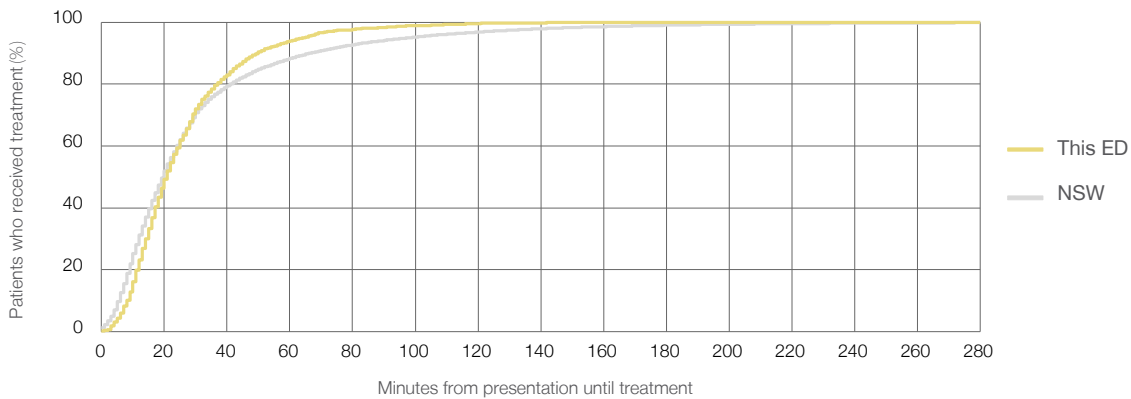
Number of triage 3 patients used to calculate waiting time:<sup>3</sup> 2,011

Median time to start treatment<sup>4</sup>  21 minutes

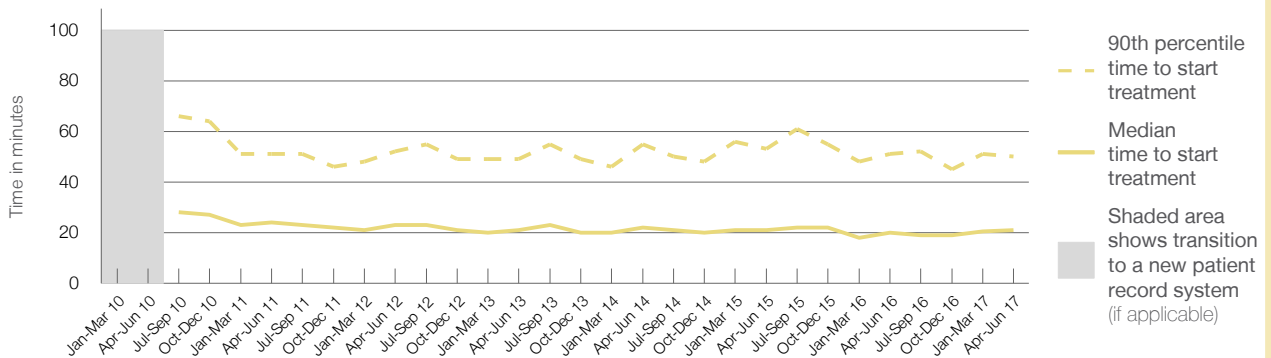
90th percentile time to start treatment<sup>5</sup>  50 minutes

Same period last year	NSW (this period)
1,796	1,794
20 minutes	20 minutes
51 minutes	67 minutes

Percentage of triage 3 patients who received treatment by time, April to June 2017



Time patients waited to start treatment (minutes) for triage 3 patients, April 2012 to June 2017<sup>†‡</sup>



	Apr-Jun 2010	Apr-Jun 2011	Apr-Jun 2012	Apr-Jun 2013	Apr-Jun 2014	Apr-Jun 2015	Apr-Jun 2016	Apr-Jun 2017
Median time to start treatment <sup>4</sup> (minutes)		24	23	21	22	21	20	21
90th percentile time to start treatment <sup>5</sup> (minutes)		51	52	49	55	53	51	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.

## Sydney Children's Hospital: Time patients waited to start treatment, triage 4

April to June 2017

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

Number of triage 4 patients: 6,555

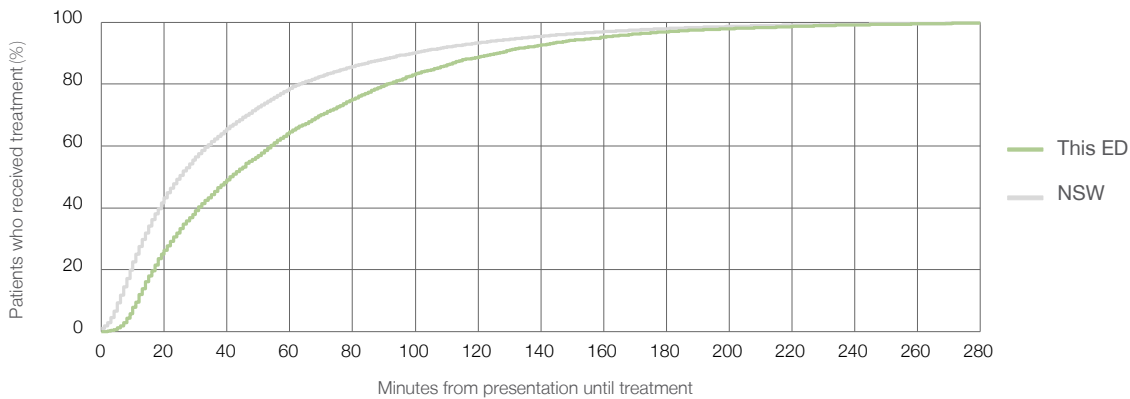
Number of triage 4 patients used to calculate waiting time:<sup>3</sup> 6,311

Median time to start treatment<sup>4</sup> 41 minutes

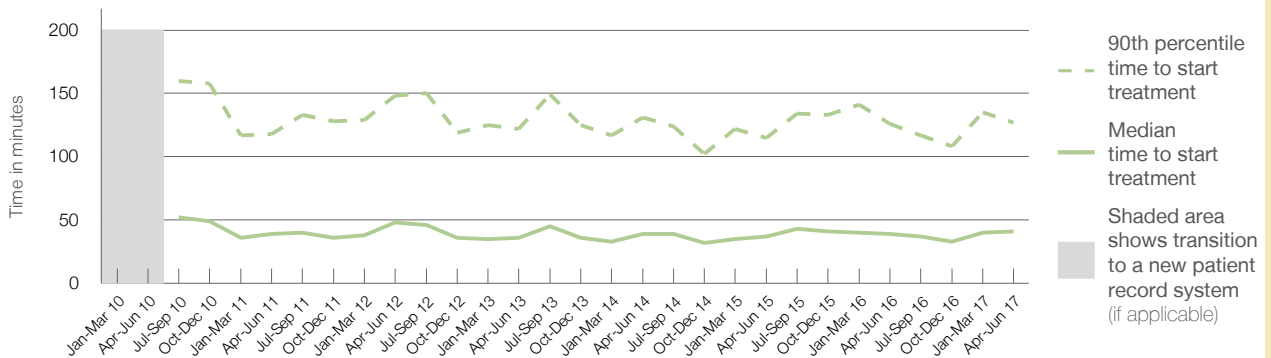
90th percentile time to start treatment<sup>5</sup> 127 minutes

Same period last year	NSW (this period)
6,621	
6,336	
39 minutes	25 minutes
126 minutes	99 minutes

Percentage of triage 4 patients who received treatment by time, April to June 2017



Time patients waited to start treatment (minutes) for triage 4 patients, April 2012 to June 2017<sup>†‡</sup>



	Apr-Jun 2010	Apr-Jun 2011	Apr-Jun 2012	Apr-Jun 2013	Apr-Jun 2014	Apr-Jun 2015	Apr-Jun 2016	Apr-Jun 2017
Median time to start treatment <sup>4</sup> (minutes)		39	48	36	39	37	39	41
90th percentile time to start treatment <sup>5</sup> (minutes)		118	148	122	131	115	126	127

(†) 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 5

April to June 2017

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

Number of triage 5 patients: 139

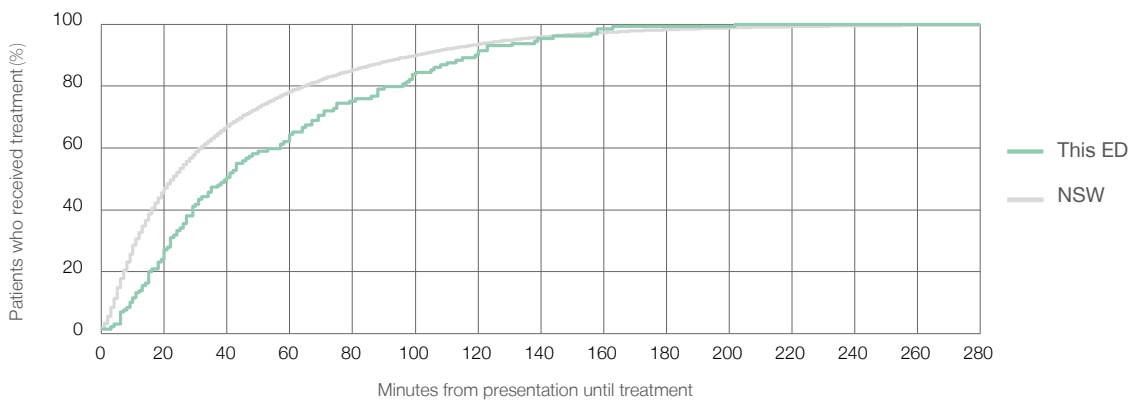
Number of triage 5 patients used to calculate waiting time:<sup>3</sup> 129

Median time to start treatment<sup>4</sup>  40 minutes

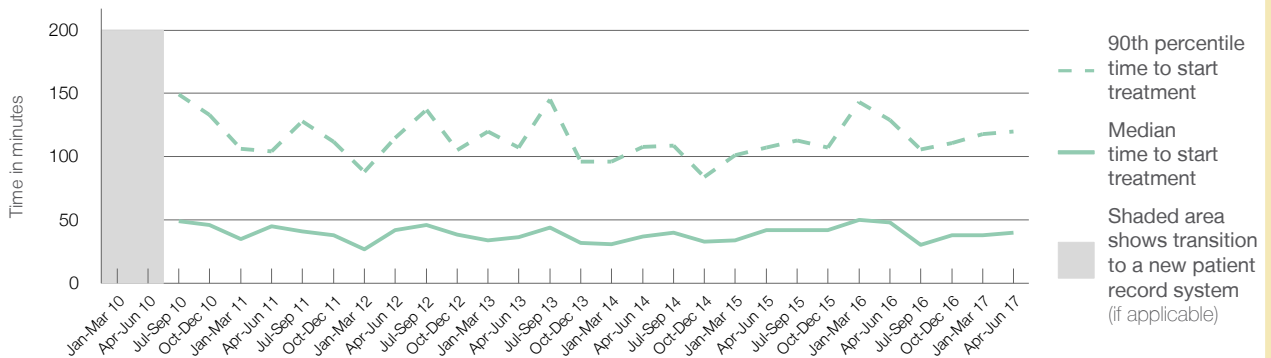
90th percentile time to start treatment<sup>5</sup>  120 minutes

	Same period last year	NSW (this period)
Number of triage 5 patients	187	173
Median time to start treatment <sup>4</sup>	48 minutes	23 minutes
90th percentile time to start treatment <sup>5</sup>	129 minutes	101 minutes

Percentage of triage 5 patients who received treatment by time, April to June 2017



Time patients waited to start treatment (minutes) for triage 5 patients, April 2012 to June 2017<sup>†‡</sup>



	Apr-Jun 2010	Apr-Jun 2011	Apr-Jun 2012	Apr-Jun 2013	Apr-Jun 2014	Apr-Jun 2015	Apr-Jun 2016	Apr-Jun 2017
Median time to start treatment <sup>4</sup> (minutes)		45	42	37	37	42	48	40
90th percentile time to start treatment <sup>5</sup> (minutes)		104	115	107	108	107	129	120

(†) 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 spent in the ED

April to June 2017

All presentations:<sup>1</sup> 9,248 patients

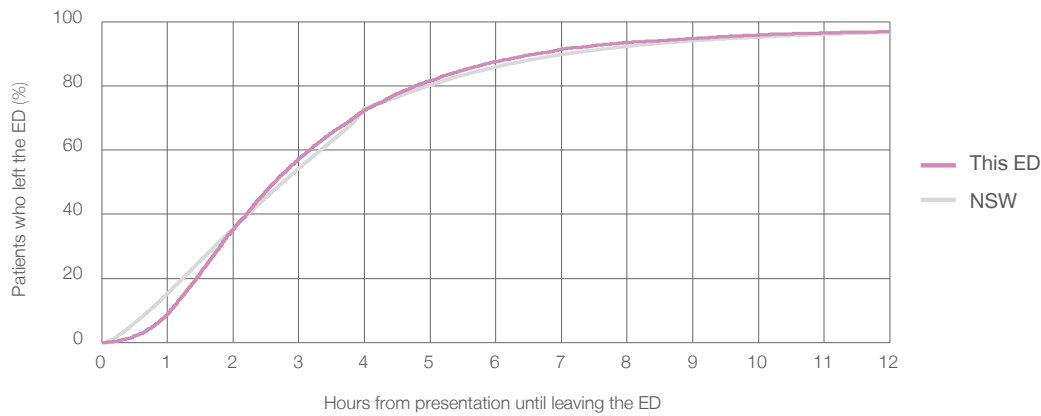
Presentations used to calculate time to leaving the ED:<sup>6</sup> 9,247 patients

Median time spent in the ED<sup>8</sup> 2 hours and 38 minutes

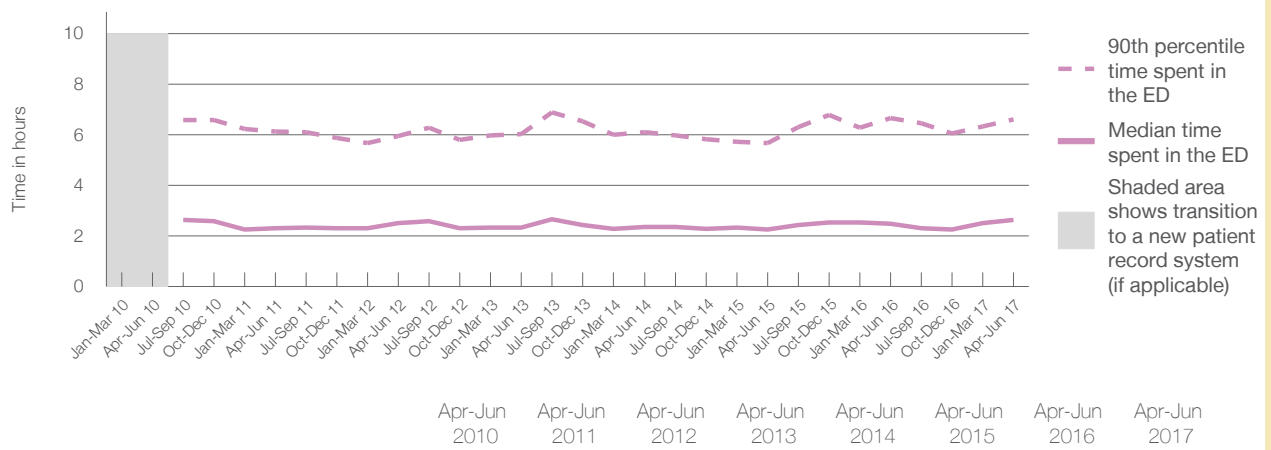
90th percentile time spent in the ED<sup>9</sup> 6 hours and 37 minutes

Same period last year	NSW (this period)
9,297	9,297
2 hours and 29 minutes	2 hours and 46 minutes
6 hours and 40 minutes	7 hours and 5 minutes

Percentage of patients who left the ED by time, April to June 2017



Time patients spent in the ED, by quarter, April 2012 to June 2017<sup>†‡</sup>



	Apr-Jun 2010	Apr-Jun 2011	Apr-Jun 2012	Apr-Jun 2013	Apr-Jun 2014	Apr-Jun 2015	Apr-Jun 2016	Apr-Jun 2017
Median time to leaving the ED <sup>8</sup> (hours, minutes)		2h 19m	2h 31m	2h 21m	2h 22m	2h 16m	2h 29m	2h 38m
90th percentile time to leaving the ED <sup>9</sup> (hours, minutes)		6h 8m	5h 57m	6h 1m	6h 6m	5h 41m	6h 40m	6h 37m

(†) 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 spent in the ED

By mode of separation

April to June 2017

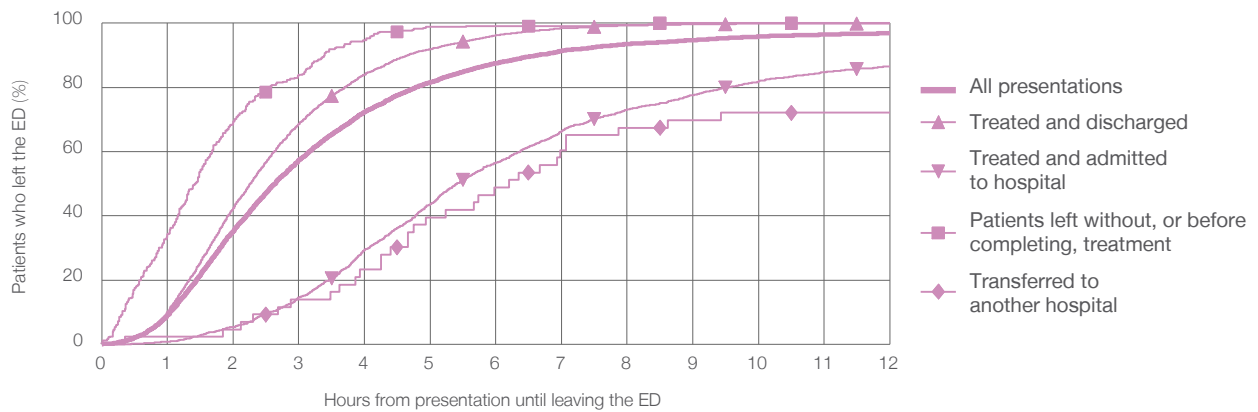
All presentations:<sup>1</sup> 9,248 patients

Presentations used to calculate time to leaving the ED:<sup>6</sup> 9,247 patients

Treated and discharged	6,867 (74.3%)
Treated and admitted to hospital	1,991 (21.5%)
Patient left without, or before completing, treatment	336 (3.6%)
Transferred to another hospital	43 (0.5%)
Other	11 (0.1%)

Same period last year	Change since one year ago
9,297	-0.5%
6,795	1.1%
2,076	-4.1%
360	-6.7%
38	13.2%
28	-60.7%

Percentage of patients who left the ED by time and mode of separation, April to June 2017<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	10.1%	42.4%	68.7%	84.0%	96.2%	99.3%	99.8%	99.9%
Treated and admitted to hospital	0.9%	5.4%	14.6%	29.4%	56.5%	73.1%	81.9%	86.6%
Patient left without, or before completing, treatment	34.2%	69.3%	83.9%	94.6%	99.1%	99.4%	100%	100%
Transferred to another hospital	2.3%	4.7%	14.0%	23.3%	48.8%	67.4%	72.1%	72.1%
All presentations	9.1%	35.3%	57.4%	72.4%	87.6%	93.6%	95.9%	96.9%

(†) 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 spent in the ED

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

April to June 2017

All presentations at the emergency department:<sup>1</sup> 9,248 patients

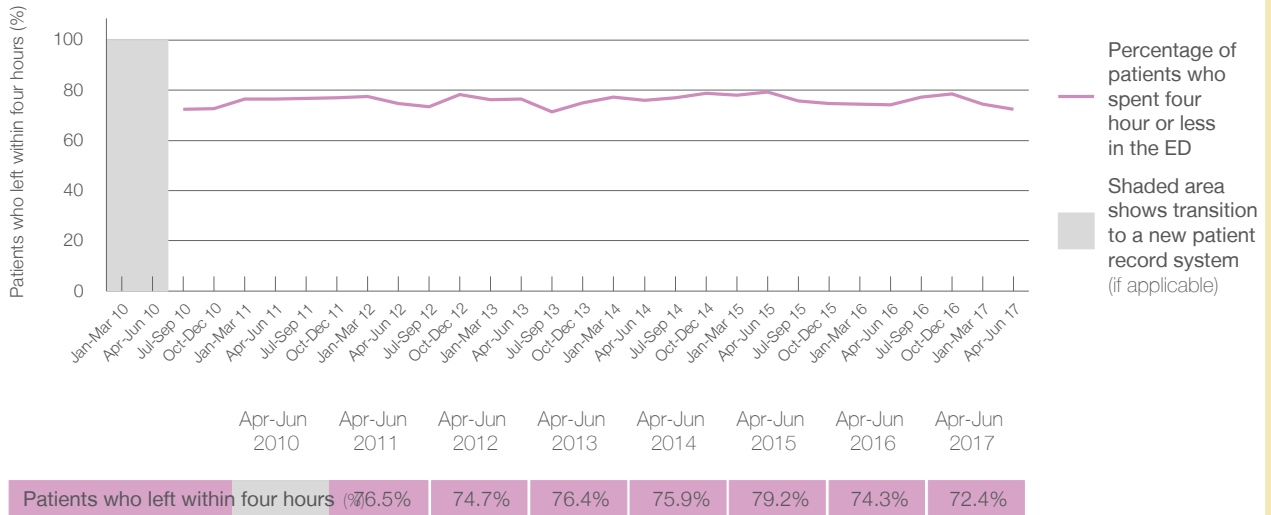
Presentations used to calculate time to leaving the ED:<sup>6</sup> 9,247 patients

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	9,297	-0.5%
Presentations used to calculate time to leaving the ED	9,297	-0.5%
Percentage of patients who spent four hours or less in the ED	74.3%	

Percentage of patients who spent four hours or less in the ED, by quarter, April 2012 to June 2017<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, 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 21 July 2017).  
Transfer of care data from Transfer of Care Reporting System (extracted 21 July 2017).