More information is available on BHI's interactive portal at www.bhi.nsw.gov.au/healthcare_observer

Gosford Hospital: Emergency department (ED) overview
January to March 2018

		Same period last year	Change since one year ago
All presentations:[1] 17,025 patients		16,698	2%
Emergency presentations:[2] 16,914 patients		16,598	2%

Gosford Hospital: Time patients waited to start treatment [3]
January to March 2018

		Same period last year	NSW (this period)
Triage 2 Emergency (e.g. chest pain, severe burns): 2,366 patients		2,055	
Median time to start treatment [4]	7 minutes	6 minutes	8 minutes
90th percentile time to start treatment [5]	22 minutes	20 minutes	23 minutes
Triage 3 Urgent (e.g. moderate blood loss, dehydration): 6,507 patients		6,543	
Median time to start treatment [4]	27 minutes	21 minutes	20 minutes
90th percentile time to start treatment [5]	98 minutes	72 minutes	65 minutes
Triage 4 Semi-urgent (e.g. sprained ankle, earache): 7,308 patients		7,300	
Median time to start treatment [4]	44 minutes	34 minutes	25 minutes
90th percentile time to start treatment [5]	130 minutes	114 minutes	98 minutes
Triage 5 Non-urgent (e.g. small cuts or abrasions): 555 patients		480	
Median time to start treatment [4]	33 minutes	32 minutes	22 minutes
90th percentile time to start treatment [5]	115 minutes	105 minutes	97 minutes

Gosford Hospital: Time from presentation until leaving the ED
January to March 2018

		Same period last year	Change since one year ago
Attendances used to calculate time to leaving the ED: [6] 17,025 patients		16,698	2%
Percentage of patients who spent four hours or less in the ED	62%	68%	

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*   Suppressed due to small number of patients and to protect privacy. Relevant graphs are also suppressed.
1.   All emergency and non-emergency attendances at the emergency department (ED).
2.   All attendances that have a triage category and are coded as emergency presentations or unplanned return visits.
3.   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*.
4.   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.
5.   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.
6.   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.
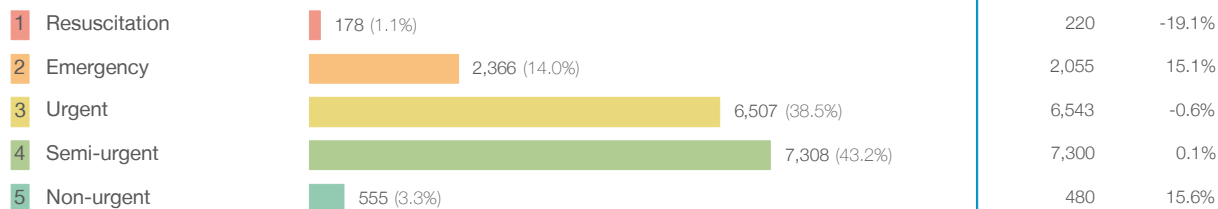Source: Health Information Exchange, NSW Health (extracted 17 April 2018).

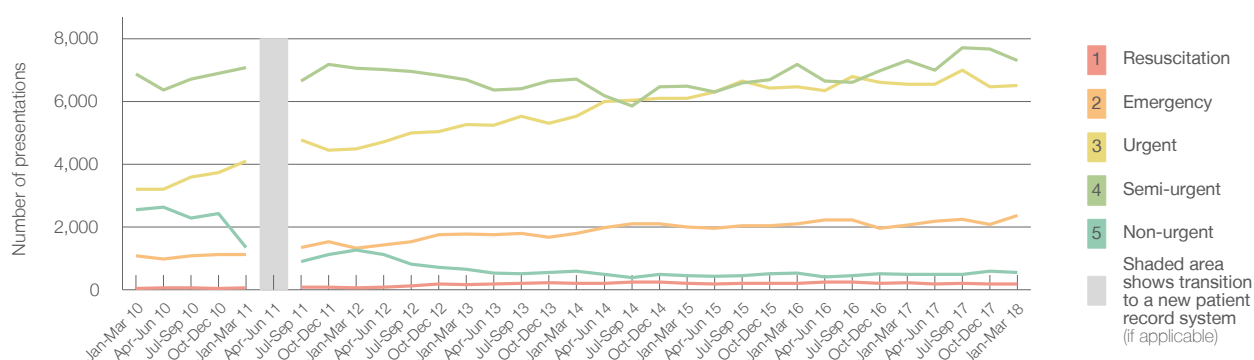## Gosford Hospital: Patients presenting to the emergency department
January to March 2018

		Same period last year	Change since one year ago
All presentations:[1] 17,025 patients		16,698	2%
Emergency presentations[2] by triage category: 16,914 patients		16,598	2%
1 Resuscitation	178 (1.1%)	220	-19.1%
2 Emergency	2,366 (14.0%)	2,055	15.1%
3 Urgent	6,507 (38.5%)	6,543	-0.6%
4 Semi-urgent	7,308 (43.2%)	7,300	0.1%
5 Non-urgent	555 (3.3%)	480	15.6%

Emergency presentations[2] by quarter, January 2010 to March 2018 [‡]

	Jan-Mar 2010	Jan-Mar 2011	Jan-Mar 2012	Jan-Mar 2013	Jan-Mar 2014	Jan-Mar 2015	Jan-Mar 2016	Jan-Mar 2017	Jan-Mar 2018
Resuscitation	38	64	59	159	200	199	204	220	178
Emergency	1,087	1,125	1,314	1,780	1,783	2,004	2,091	2,055	2,366
Urgent	3,207	4,104	4,485	5,257	5,528	6,096	6,462	6,543	6,507
Semi-urgent	6,870	7,080	7,064	6,680	6,716	6,490	7,181	7,300	7,308
Non-urgent	2,557	1,349	1,262	660	589	450	532	480	555
All emergency presentations	13,759	13,722	14,184	14,536	14,816	15,239	16,470	16,598	16,914

Gosford Hospital: Patients arriving by ambulance
January to March 2018

		Same period last year	Change since one year ago
Arrivals used to calculate transfer of care time: [7] 4,648 patients		4,528	
ED Transfer of care time			
Median time	10 minutes	10 minutes	0 minutes
90th percentile time	64 minutes	45 minutes	19 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.

Gosford Hospital: Time patients waited to start treatment, triage 2
January to March 2018

			Same period last year	NSW (this period)
Triage 2 Emergency (e.g. chest pain, severe burns)				
Number of triage 2 patients: 2,366			2,055	
Number of triage 2 patients used to calculate waiting time:[3] 2,356			2,048	
Median time to start treatment [4]		7 minutes	6 minutes	8 minutes
90th percentile time to start treatment [5]		22 minutes	20 minutes	23 minutes

Percentage of triage 2 patients who received treatment by time, January to March 2018
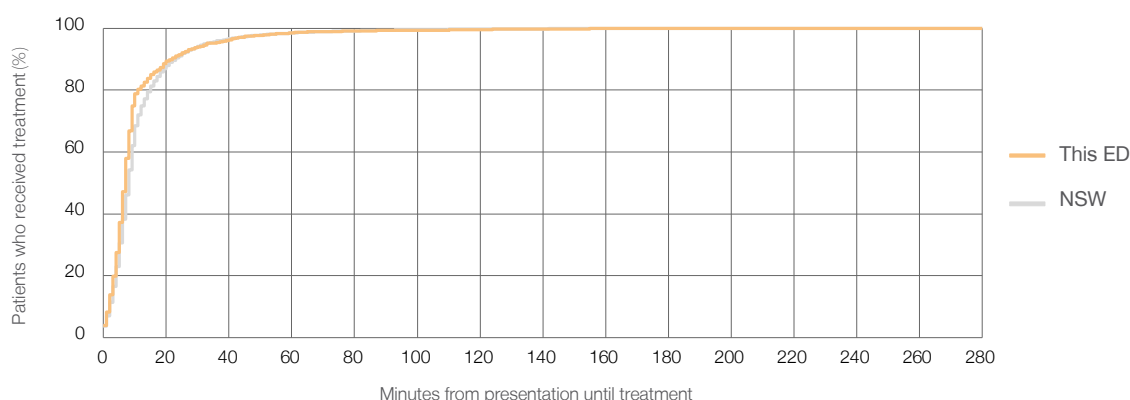
Time patients waited to start treatment (minutes) for triage 2 patients, January 2010 to March 2018 [†‡]
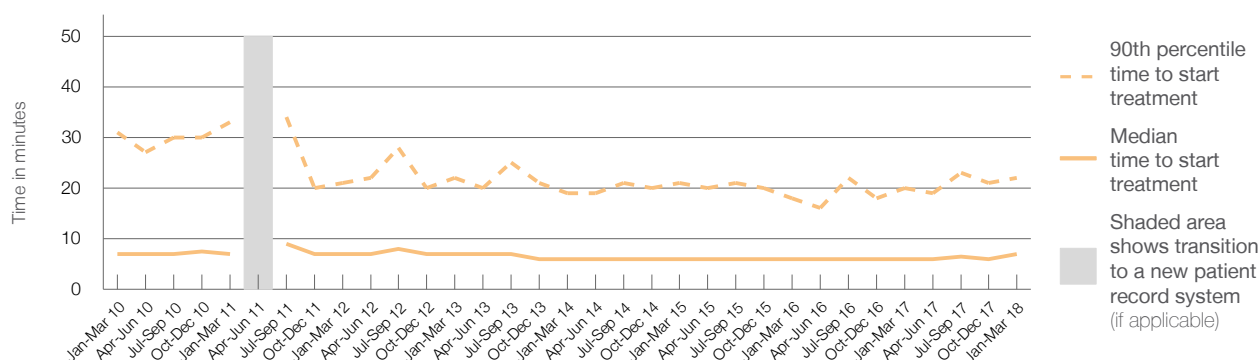
- - 90th percentile time to start treatment
— Median time to start treatment
▮ Shaded area shows transition to a new patient record system (if applicable)

	Jan-Mar 2010	Jan-Mar 2011	Jan-Mar 2012	Jan-Mar 2013	Jan-Mar 2014	Jan-Mar 2015	Jan-Mar 2016	Jan-Mar 2017	Jan-Mar 2018
Median time to start treatment [4] (minutes)	7	7	7	7	6	6	6	6	7
90th percentile time to start treatment [5] (minutes)	31	33	21	22	19	21	18	20	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.

Gosford Hospital

Principal referral hospitals (A1)
Central Coast Local Health District

Gosford Hospital: Time patients waited to start treatment, triage 3
January to March 2018

			Same period last year	NSW (this period)
Triage 3 Urgent (e.g. moderate blood loss, dehydration)				
Number of triage 3 patients: 6,507			6,543	
Number of triage 3 patients used to calculate waiting time:[3] 6,359			6,448	
Median time to start treatment[4]		27 minutes	21 minutes	20 minutes
90th percentile time to start treatment[5]		98 minutes	72 minutes	65 minutes

Percentage of triage 3 patients who received treatment by time, January to March 2018
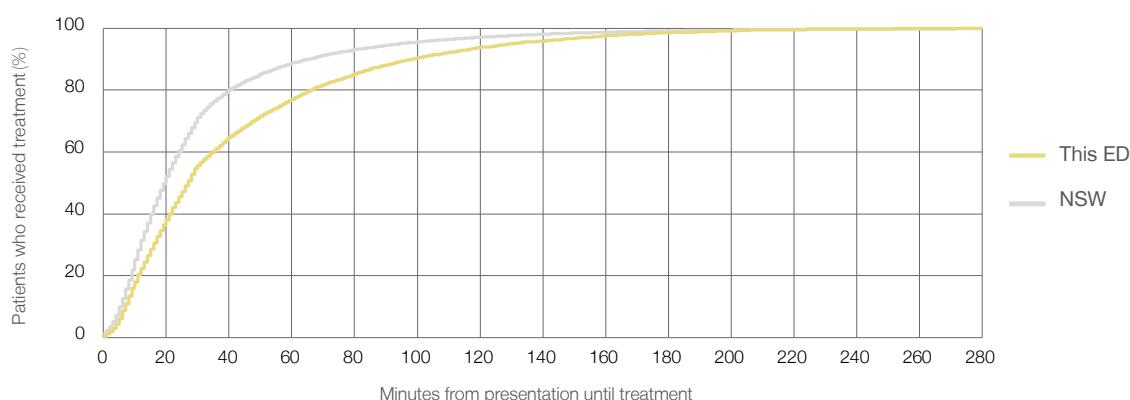
Time patients waited to start treatment (minutes) for triage 3 patients, January 2010 to March 2018 [†‡]
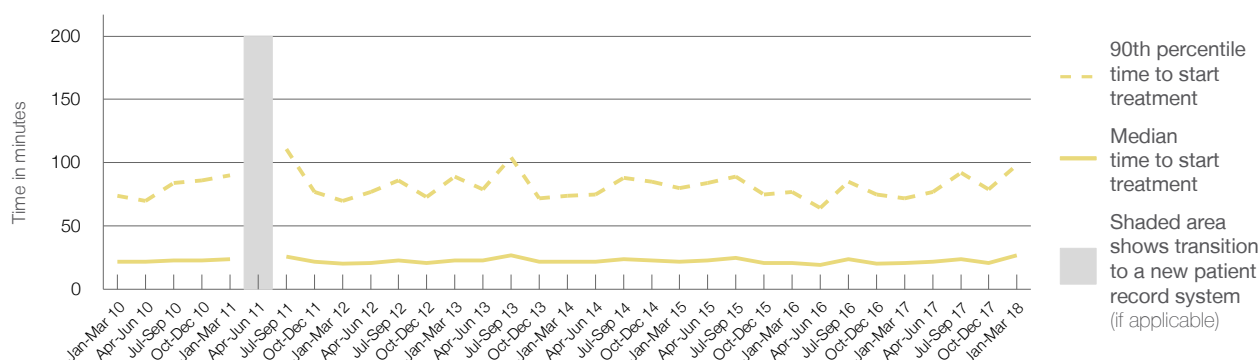
	Jan-Mar 2010	Jan-Mar 2011	Jan-Mar 2012	Jan-Mar 2013	Jan-Mar 2014	Jan-Mar 2015	Jan-Mar 2016	Jan-Mar 2017	Jan-Mar 2018
Median time to start treatment[4] (minutes)	22	24	20	23	22	22	21	21	27
90th percentile time to start treatment[5] (minutes)	74	90	70	89	74	80	77	72	98

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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.

Gosford Hospital

Principal referral hospitals (A1)
Central Coast Local Health District

Gosford Hospital: Time patients waited to start treatment, triage 4
January to March 2018

		Same period last year	NSW (this period)
Triage 4 Semi-urgent (e.g. sprained ankle, earache)			
Number of triage 4 patients: 7,308		7,300	
Number of triage 4 patients used to calculate waiting time:[3] 6,837		6,915	
Median time to start treatment[4] — 44 minutes		34 minutes	25 minutes
90th percentile time to start treatment[5] — 130 minutes		114 minutes	98 minutes

Percentage of triage 4 patients who received treatment by time, January to March 2018
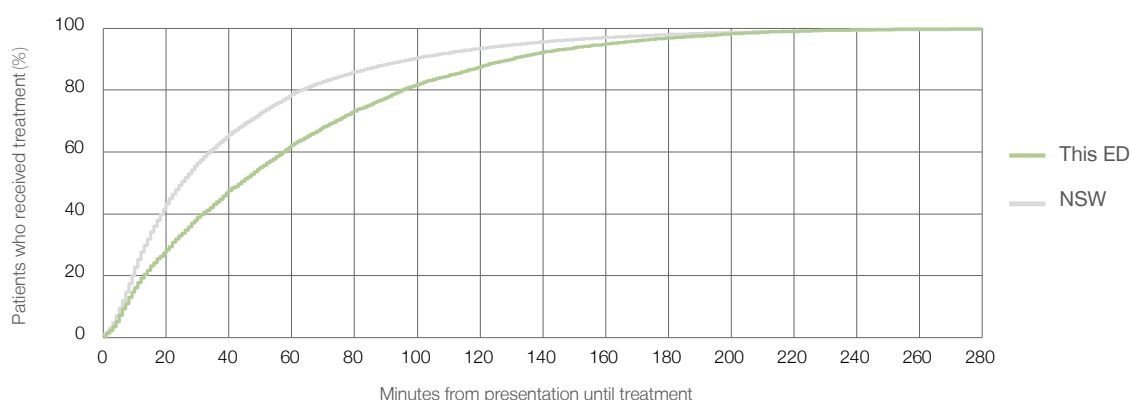
Time patients waited to start treatment (minutes) for triage 4 patients, January 2010 to March 2018 [†‡]
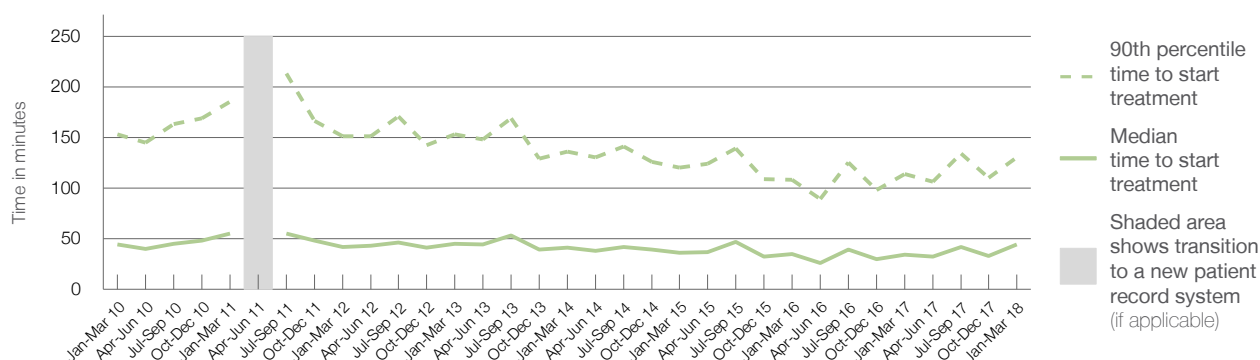
	Jan-Mar 2010	Jan-Mar 2011	Jan-Mar 2012	Jan-Mar 2013	Jan-Mar 2014	Jan-Mar 2015	Jan-Mar 2016	Jan-Mar 2017	Jan-Mar 2018
Median time to start treatment[4] (minutes)	44	55	42	45	41	36	35	34	44
90th percentile time to start treatment[5] (minutes)	153	185	151	153	136	120	108	114	130

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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.

Gosford Hospital

Principal referral hospitals (A1)
Central Coast Local Health District

Gosford Hospital: Time patients waited to start treatment, triage 5
January to March 2018

			Same period last year	NSW (this period)
Triage 5 Non-urgent (e.g. small cuts or abrasions)				
Number of triage 5 patients: 555			480	
Number of triage 5 patients used to calculate waiting time: [3] 448			389	
Median time to start treatment [4]		33 minutes	32 minutes	22 minutes
90th percentile time to start treatment [5]		115 minutes	105 minutes	97 minutes

Percentage of triage 5 patients who received treatment by time, January to March 2018
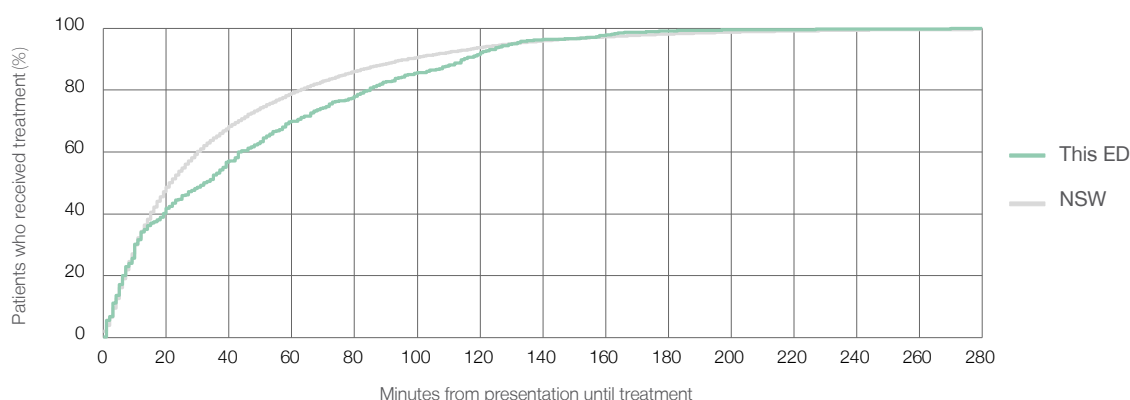
Time patients waited to start treatment (minutes) for triage 5 patients, January 2010 to March 2018 [†‡]
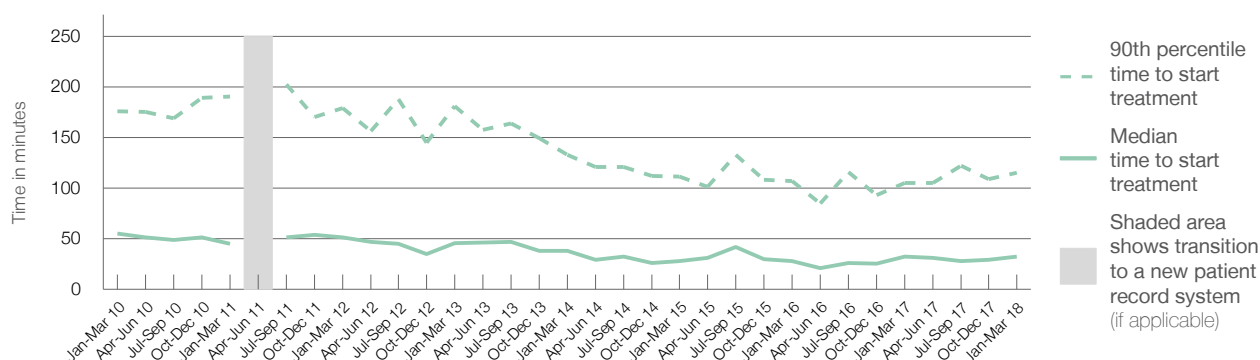
	Jan-Mar 2010	Jan-Mar 2011	Jan-Mar 2012	Jan-Mar 2013	Jan-Mar 2014	Jan-Mar 2015	Jan-Mar 2016	Jan-Mar 2017	Jan-Mar 2018
Median time to start treatment [4] (minutes)	55	45	51	46	38	28	28	32	33
90th percentile time to start treatment [5] (minutes)	176	190	179	181	133	111	107	105	115

(†) 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.

Gosford Hospital: Time patients spent in the ED
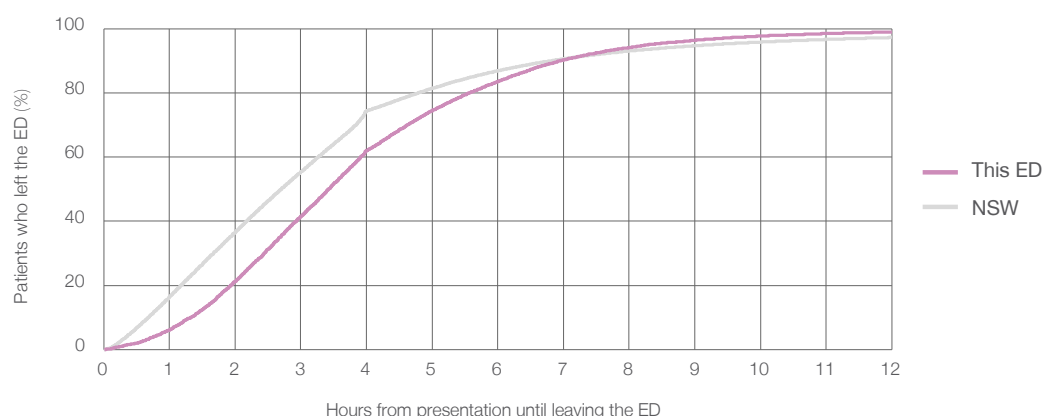January to March 2018

			Same period last year	NSW (this period)
All presentations:[1] 17,025 patients			16,698	
Presentations used to calculate time to leaving the ED: [6] 17,025 patients			16,698	
Median time spent in the ED [8]		3 hours and 25 minutes	3 hours and 7 minutes	2 hours and 42 minutes
90th percentile time spent in the ED [9]		6 hours and 57 minutes	6 hours and 27 minutes	6 hours and 49 minutes

Percentage of patients who left the ED by time, January to March 2018

Time patients spent in the ED, by quarter, January 2010 to March 2018 [†‡]
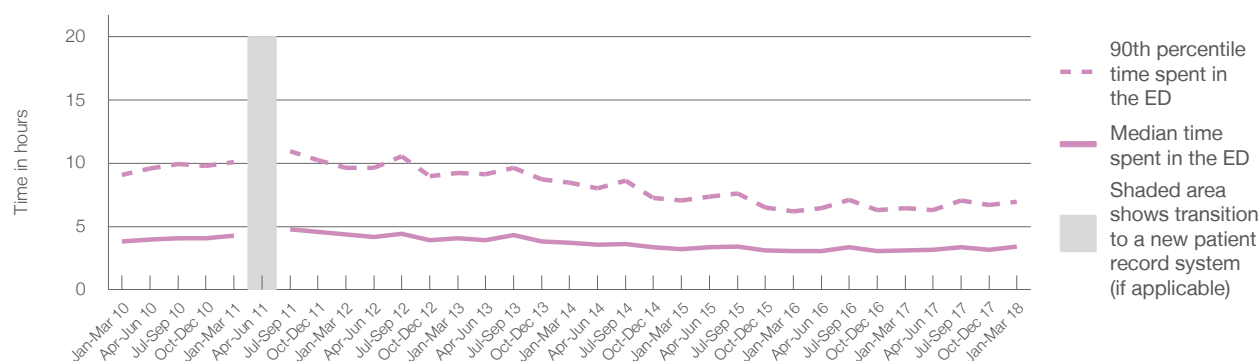
90th percentile time spent in the ED

Median time spent in the ED

Shaded area shows transition to a new patient record system (if applicable)

	Jan-Mar 2010	Jan-Mar 2011	Jan-Mar 2012	Jan-Mar 2013	Jan-Mar 2014	Jan-Mar 2015	Jan-Mar 2016	Jan-Mar 2017	Jan-Mar 2018
Median time spent in the ED [8] (hours, minutes)	3h 50m	4h 17m	4h 22m	4h 5m	3h 44m	3h 14m	3h 4m	3h 7m	3h 25m
90th percentile time spent in the ED [9] (hours, minutes)	9h 4m	10h 6m	9h 38m	9h 15m	8h 27m	7h 2m	6h 13m	6h 27m	6h 57m

(†) Data points are not shown in graphs for quarters when patient numbers are too small.

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Gosford Hospital

Principal referral hospitals (A1)
Central Coast Local Health District

Gosford Hospital: Time patients spent in the ED
By mode of separation
January to March 2018

		Same period last year	Change since one year ago
All presentations:[1] 17,025 patients			
Presentations used to calculate time to leaving the ED:[6] 17,025 patients		16,698	2%
Treated and discharged	10,155 (59.6%)	10,188	-0.3%
Treated and admitted to hospital	5,849 (34.4%)	5,736	2.0%
Patient left without, or before completing, treatment	846 (5.0%)	648	30.6%
Transferred to another hospital	95 (0.6%)	76	25.0%
Other	80 (0.5%)	50	60.0%

Percentage of patients who left the ED by time and mode of separation, January to March 2018 [†‡]
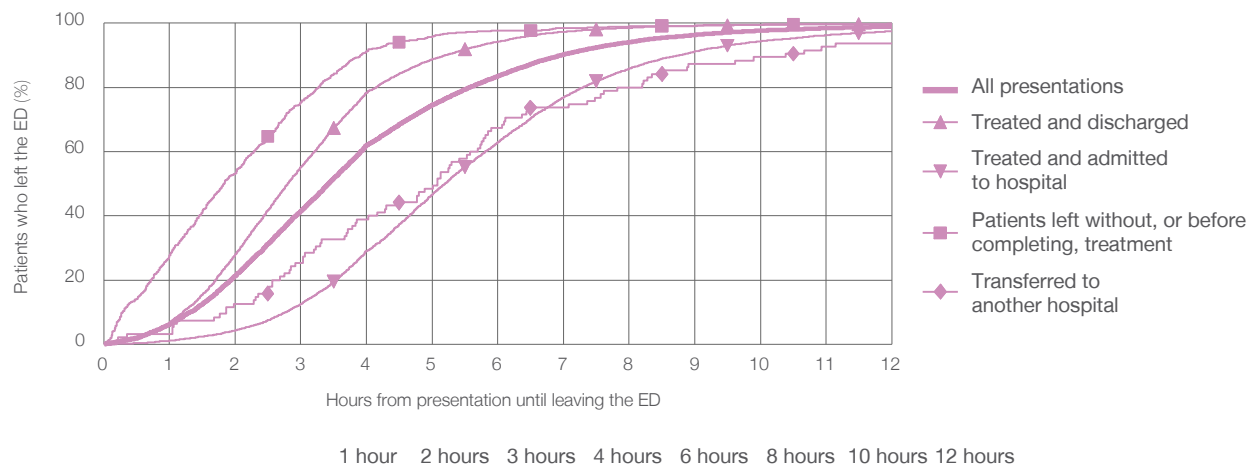
	1 hour	2 hours	3 hours	4 hours	6 hours	8 hours	10 hours	12 hours
Treated and discharged	6.8%	28.0%	55.1%	78.5%	94.3%	98.5%	99.5%	99.8%
Treated and admitted to hospital	1.1%	4.3%	12.6%	29.1%	63.0%	85.9%	94.4%	97.5%
Patient left without, or before completing, treatment	27.7%	53.3%	75.4%	91.3%	97.6%	99.1%	99.5%	99.6%
Transferred to another hospital	3.2%	12.6%	25.3%	38.9%	67.4%	80.0%	89.5%	93.7%
All presentations	6.2%	21.4%	41.5%	62.0%	83.6%	94.1%	97.7%	99.0%

(†) 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.

Gosford Hospital: Time spent in the ED
Percentage of patients who spent four hours or less in the ED
January to March 2018

		Same period last year	Change since one year ago
All presentations at the emergency department: [1] 17,025 patients		16,698	2%
Presentations used to calculate time to leaving the ED: [6] 17,025 patients		16,698	2%
Percentage of patients who spent four hours or less in the ED	62.0%	68.0%	

Percentage of patients who spent four hours or less in the ED, by quarter, January 2010 to March 2018 [†‡]

Percentage of patients who spent four hour or less in the ED

Shaded area shows transition to a new patient record system (if applicable)

	Jan-Mar 2010	Jan-Mar 2011	Jan-Mar 2012	Jan-Mar 2013	Jan-Mar 2014	Jan-Mar 2015	Jan-Mar 2016	Jan-Mar 2017	Jan-Mar 2018
Patients who spent four hours or less in the ED (%)	52.3%	46.4%	44.9%	49.2%	54.5%	64.0%	69.7%	68.0%	62.0%

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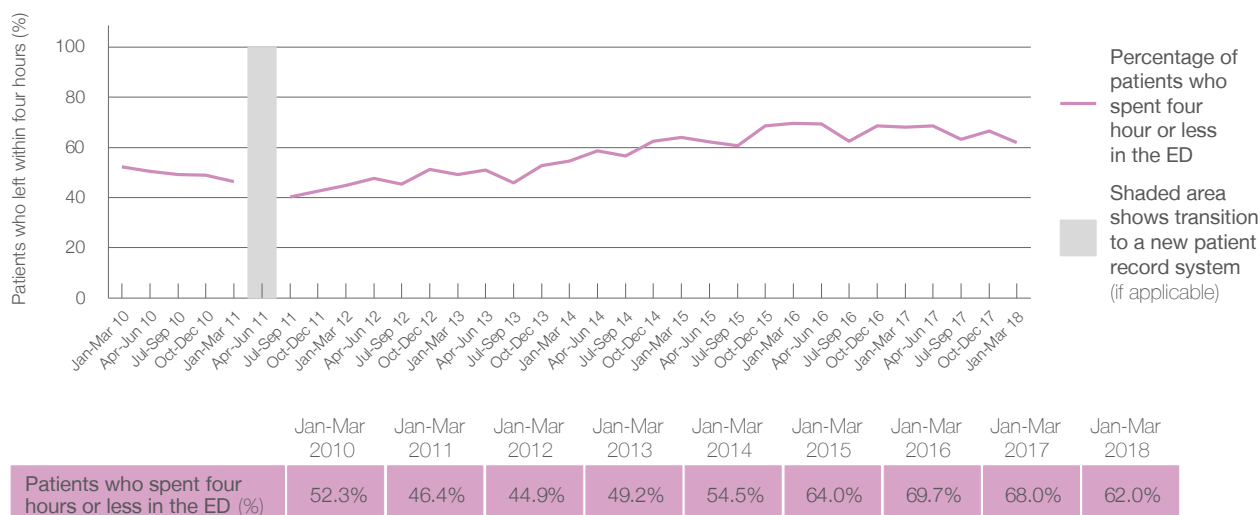
* Suppressed due to small numbers and to protect privacy. Relevant graphs are also suppressed.

† 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.*

1. All emergency and non-emergency presentations at the emergency department (ED).

2. All presentations that have a triage category and are coded as emergency presentations or unplanned return visits.

3. 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.*

4. 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.

5. The 90th percentile is the time by which 90% of patients started treatment. The final105% of patients took equal to or longer than this time.

6. All presentations that have a departure time.

7. 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.*

8. 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.

9. 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 April 2018).
Transfer of care data from Transfer of Care Reporting System (extracted 17 April 2018).

Gosford Hospital

Principal referral hospitals (A1)
Central Coast Local Health District