

Output: data report for Midland region

\\waikato.health.govt.nz\data\DriveMaps\Data04\Misc\Midland Trauma System\Data\Output\Reports\Summary\Midland.xlsx

Last reported admission date: 31/03/2018

	2016 Qtr2	2016 Qtr3	2016 Qtr4	2017 Qtr1	2017 Qtr2	2017 Qtr3	2017 Qtr4	2018 Qtr1
Admission dates	Apr-Jun 2016	Jul-Sep 2016	Oct-Dec 2016	Jan-Mar 2017	Apr-Jun 2017	Jul-Sep 2017	Oct-Dec 2017	Jan-Mar 2018

Trauma characteristics

Admissions	1619	1638	1928	2013	1696	1619	2024	1576
Total acute bed days	7214	7105	7319	7844	5731	6263	7534	5955
Total ICU Hours	5675	4255	8518	5713	3283	5236	5434	4100
Inward transfers	213	223	253	320	253	227	297	226
Outward transfers	239	251	267	323	273	254	351	245

Case severity (ISS)

1-4	1106	1134	1324	1456	1235	1149	1420	1091
5-12	392	378	468	431	329	321	452	351
13-25	90	92	108	90	94	112	134	105
> 25	31	34	28	36	38	37	16	19

Major trauma indicators

Alcohol test rate	51%	58%	55%	67%	52%	53%	45%	46%
Trauma call ratio	50%	52%	57%	62%	47%	51%	43%	52%
Tertiary Survey rate (major)	30%	22%	25%	25%	28%	25%	22%	24%
Case fatality rate (major)	10.7%	12.7%	10.3%	6.3%	9.1%	8.7%	5.3%	10.5%
Minutes to CT (GCS < 13)	125	46	60	90	68	55	49	53
Minutes to first facility	326	359	326	367	432	446	440	562
Non-major	326	359	326	367	432	446	440	562
Major	278	158	155	294	262	254	258	486

Ethnicity mix	Admits	Percent	Incidence	cf. others	Discharge disposition		
European	9014	64%	760	1.00	Home	10751	76%
Maori	4104	29%	1077	1.00	Acute Care Facility	2197	16%
Other	607	4%	485	1.00	Rehabilitation	453	3%
Pacific	356	3%	706	1.00	Convalescence	143	1%
(blank)		0%			Self-discharge	114	0.8%
Midland region	14113	all ethn:	810	1.00	Other	455	3%

Acute bed days: trauma patients are always acute. This represents trauma bed utilisation by DHB.
Case severity groups: 1-12 are considered to be non-major injuries. 1-4 are usually isolated injuries (though an isolated injury can have an ISS of 16). Trauma cases are considered "major" when the ISS is greater than 12.

Time to CT in this report is limited to patients with GCS < 13. CT is urgent in these cases. (Average.)
Alcohol and trauma calls: aim for 100% compliance. Trauma call ratio counts successful and missed calls; the denominator is a count of major trauma cases.

Case fatality rate is the total number of trauma deaths divided by the number of major trauma cases.

Tertiary survey rate: all major trauma cases should have a tertiary survey - a complete physical examination after the acute phase of injury to determine whether or not there are other injuries. Target is 80% compliance.

Minutes to first facility is the average number of minutes from Trauma event to ED arrival. Only first hospitalisation is counted. Note: RARE extreme errors (> 14 days) have been altered to 500 minutes.

Ethnicity mix: population is based on StatsNZ DHB spreadsheet, 2013 data. Percent is the trauma admission percent by ethnic group. Incidence: per 100K.

