TIIG
Trauma & Injury Intelligence Group

Southport Accident and Emergency department

Monthly Bulletin: April 2008 to March 2009

This bulletin provides a breakdown of all trauma[1] attendances at Southport Accident and Emergency (A&E) department between April 2008 and March 2009.

Figure 1 illustrates the number of trauma attendances by month of attendance. Trauma attendance peaked in August (n=1,834), with February (n=1,122) having the least number of trauma attendances.

Figure 1: Total number of trauma attendances by month, April 2008 to March 2009

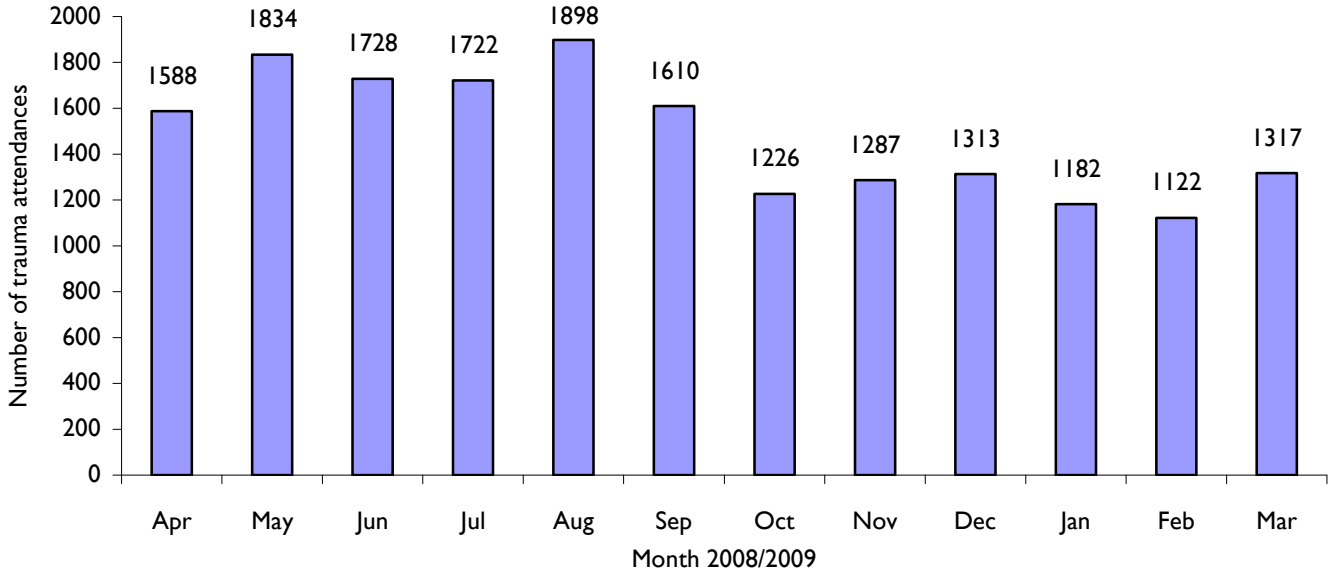
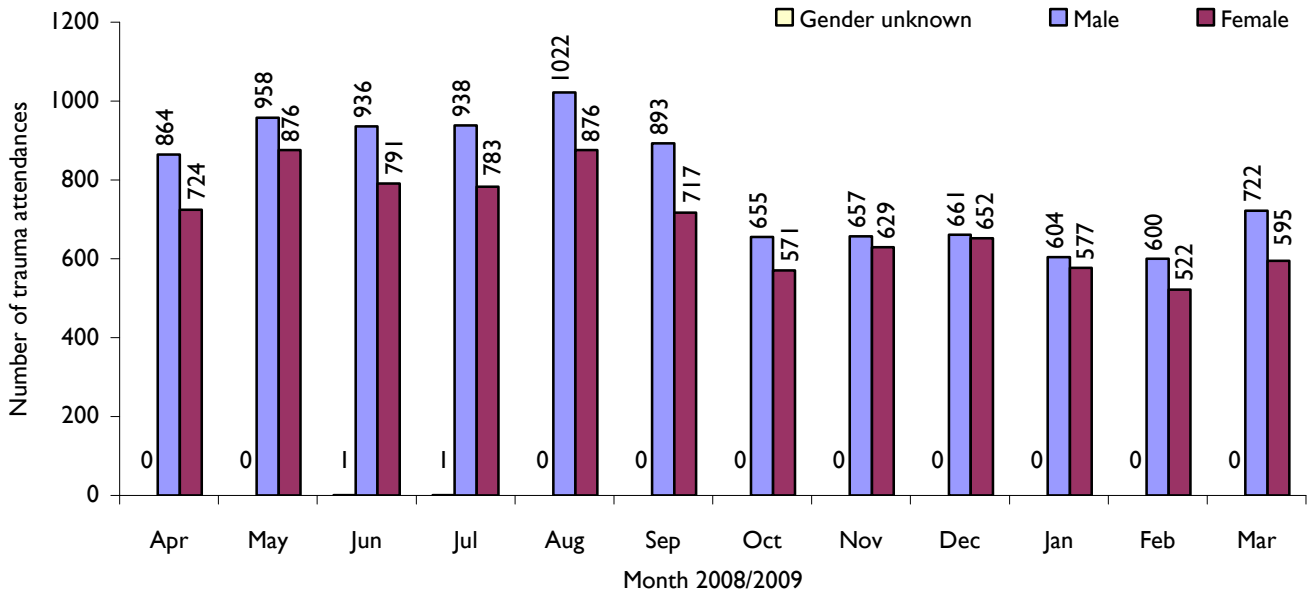


Figure 2 illustrates trauma attendances by gender. For all months there were more male trauma attendances than female presenting at Southport A&E department.

Figure 2: Gender of trauma attendances by month, April 2008 to March 2009



[1]Trauma refers to all A&E attendances presenting as a result of an intentional or unintentional injury.

Figure 3 presents the age group of trauma attendances. Across the whole year the vast majority of trauma attendances were made by individuals above the age of 14 years. The low number of trauma attendances under the age of 15 years presenting at Southport A&E department is probably due to the close proximity of the local Paediatric A&E department located at Ormskirk General Hospital.

Figure 3: Age group of trauma attendances by month, April 2008 to March 2009

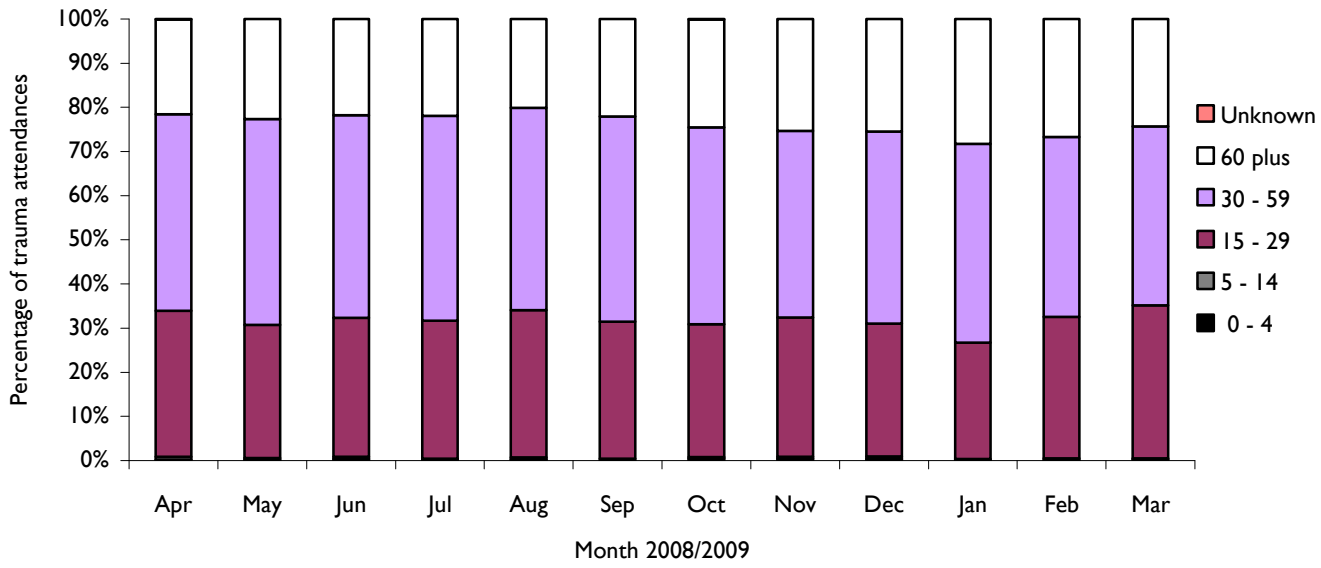


Table 1 details the injury group of trauma attendances. The most common cause of injury was by other accident, (75%). Of those attendances where an injury group was specified 42% were road traffic accidents and 22% assaults.

Table 1: Trauma attendances by injury group, April 2008 to March 2009[2][3]

Injury group	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Total	%
Other accident	1266	1501	1358	1409	1536	1174	833	876	936	815	721	860	13285	75
Road traffic accident	142	161	183	155	148	169	164	163	174	147	137	165	1908	11
Assault	82	72	81	72	100	93	86	84	93	75	82	98	1018	6
Sports injury	47	54	59	44	66	93	77	91	51	62	119	118	881	5
Deliberate self-harm	51	46	47	42	48	81	64	70	59	83	63	76	730	4
Total	1588	1834	1728	1722	1898	1610	1224	1284	1313	1182	1122	1317	17822	100

Table 2 illustrates the source of referral for patients presenting with trauma injuries. The majority (80%) of trauma attendees self referred.

Table 2: Trauma attendances by source of referral, April 2008 to March 2009

Source of referral	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Total	%
Self referral	1277	1486	1412	1385	1584	1288	968	1027	1043	910	867	1020	14267	80
Emergency services	92	137	143	157	103	132	151	140	115	122	105	135	1532	9
Health care provider: same or other	112	107	78	89	106	100	53	60	57	46	55	54	917	5
Other	62	51	56	49	61	50	10	15	39	47	49	48	537	3
Police	30	30	22	18	23	24	27	17	17	21	10	19	258	1
General medical practitioner	10	14	10	16	19	8	12	15	15	11	13	12	155	1
Unknown	<5	<5	<5	<5	<5	<5	5	8	23	17	20	21	98	1
Work	<5	9	5	6	<5	5	<5	<5	<5	7	<5	<5	54	0
Educational establishment	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<10	0
Local authority social services	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	0
Total	1588	1834	1728	1722	1898	1610	1227	1287	1313	1182	1122	1317	17828	100

[2] Please note that all numbers less than five have been suppressed in line with patient confidentiality and if there is only one number <5 in a category then two numbers will be suppressed at the next level (e.g. <6) in order to prevent back calculations from totals.
[3] There were no firework injuries during this period

Table 3 presents trauma attendances by location of incident. Just under half (48%) of all trauma attendances occurred in the home.

Table 3: Trauma attendances by location of incident, April 2008 to March 2009

Location	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Total	%
Home	764	901	838	821	876	766	568	592	599	584	527	637	8473	48
Public place	546	653	648	590	640	558	429	454	512	400	426	492	6348	36
Work	177	153	156	193	194	135	95	99	91	98	67	86	1544	9
Other	92	120	82	116	187	146	130	138	108	98	95	96	1408	8
Educational establishment	9	7	<5	<5	<5	5	5	<5	<5	<5	7	6	55	0
Total	1588	1834	1728	1722	1898	1610	1227	1287	1313	1182	1122	1317	17828	100

Table 4 shows the disposal method of trauma attendances. Around four in ten (41%) attendees were discharged requiring no follow up.

Table 4: Disposal method of all trauma attendances, April 2008 to March 2009

Disposal	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Total	%
Discharged - did not require any follow up treatment	699	868	727	749	781	592	429	446	534	461	489	504	7279	41
Discharged - follow up treatment to be provided by GP	275	292	358	327	325	356	261	310	259	241	177	292	3473	19
Admitted to hospital bed	183	214	234	216	241	257	183	201	227	220	206	225	2607	15
Referred to fracture clinic	128	139	161	151	209	137	120	112	118	94	95	112	1576	9
Referred to other health care professional	104	120	79	103	122	95	76	81	52	58	56	51	997	6
Left department before being treated	89	95	67	89	107	84	60	59	69	50	49	71	889	5
Referred to other out-patient clinic	36	44	32	30	30	22	23	28	20	14	20	19	318	2
Transferred to other health care provider	34	34	37	19	38	18	25	22	16	14	14	17	288	2
Referred to AED clinic	23	23	28	24	35	31	30	16	7	17	5	12	251	1
Left department having refused treatment	14	<5	<5	14	8	16	18	10	11	12	11	14	136	1
Died in department	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	14	0
Unknown	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	0
Other	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	0
Total	1588	1834	1728	1722	1898	1610	1227	1287	1313	1182	1122	1317	17828	100

Assault attendees presenting at the Southport AED between April 2008 and March 2009 were mainly male (75%) and the majority (59%) were aged between 15 and 29 years of age. As table 5 shows the primary location of assault was in the public place (55%).

Table 5: Location of assault for assault attendances, April 2008 to March 2009

Assault location	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Total	%
Public place	51	52	60	46	69	60	51	54	60	38	61	66	668	66
Home	19	9	16	12	13	20	20	16	22	28	13	17	205	20
Other	9	11	4	13	14	9	11	8	8	7	4	7	105	10
Work	<5	<5	<5	<5	<5	<5	<5	6	<5	<5	<5	7	38	4
Educational establishment	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	0
Total	82	72	81	72	100	93	86	84	93	75	82	98	1018	100

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