

Injury attendances to Rochdale Infirmary Emergency Department

April 2009 to March 2010

This report summarises recorded injury attendances to Rochdale Infirmary Emergency Department (ED) between April 2009 and March 2010.

Between April 2009 and March 2010, there were 26,328 injury attendances to Rochdale Infirmary ED. Males accounted for just over half of all attendances (n=14,440; 55%). The month with the highest attendances was March (n=2,629) with April having the lowest attendances (n=1,793) (**Figure 1**). The majority of attendances were recorded as other injury (58%); of the specified injury groups falls accounted for the highest proportion (23%) followed by road traffic collision (RTC) (7%) and assault (6%) (**Table 1**).

For all attendances the highest proportion were for persons aged 5 to 19 (25%) and 20 to 34 (24%) (**Figure 2**). Over a third (34%) of fall attendees were aged 65 or over. Over two-fifths (45%) of assault attendees were aged 20 to 34. Two-fifths (40%) of RTC attendees were aged 20 to 34 (**Figure 3**).

Table 2 shows the location where injuries occurred. Nearly two-fifths (40%) of injuries occurred in the home; 15% of injuries occurred in a public place with a smaller proportion occurring at work (5%) and at school (5%). Over two-fifths (41%) of falls occurred in the home whilst nearly two-thirds (65%) of DSH injuries occurred in the home. Nearly half (46%) of assaults occurred in a public place.

Table 3 shows the ethnicity of attendees to Rochdale Infirmary ED. Three-quarters (n=19,787; 75%) were white and 16% were Pakistani.

The disposal of a patient can give an indication of the severity of the injuries sustained. Nearly six in ten (59%) of attendees were discharged, over three in ten (31%) were referred and 8% were admitted (**Table 4**). Nearly three-quarters (72%) of RTC attendees were discharged. Over half (57%) of burn/scald attendees were referred (**Table 5**).

Table 6 shows the arrival methods of attendances at Rochdale Infirmary ED. Over six in ten (64%) arrived by private transport whilst 15% arrived by ambulance.

Figure 4 (a-d) shows crude rates of injury attendance at Rochdale Infirmary ED by area of residence, in this case Middle Super Output Area (MSOA). The MSOAs with the highest crude rates are indicated beneath each figure.¹

¹ Population figures are drawn from mid-2008 population estimates from the Office for National Statistics.

Figure 1: Rochdale Infirmary ED: Total injury attendances by gender and month, April 2009 to March 2010

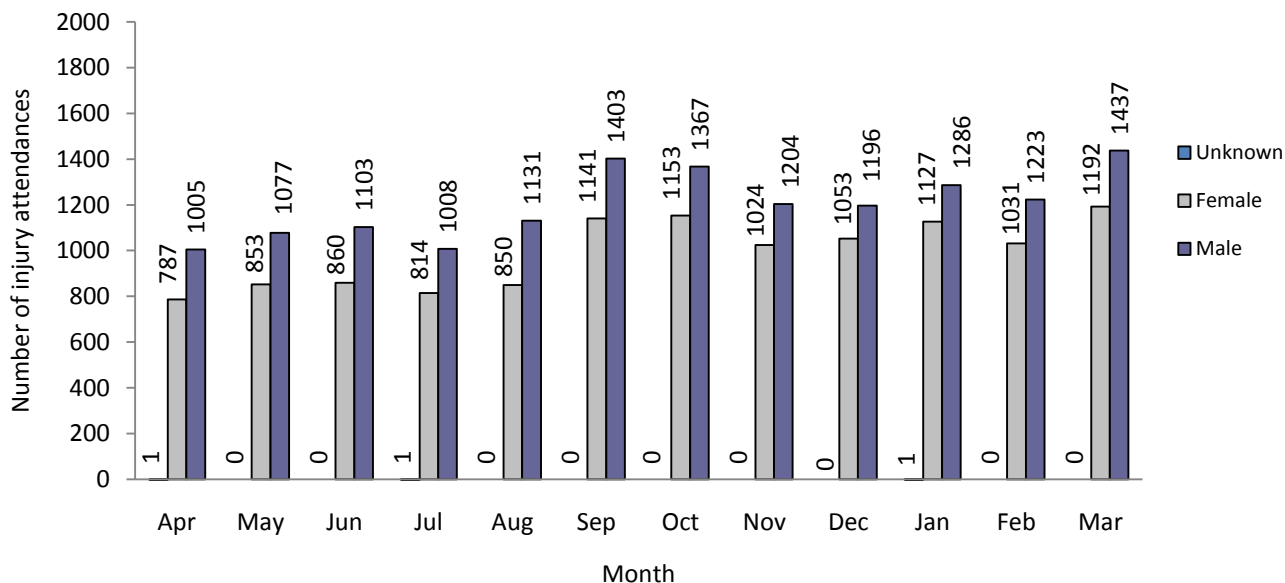
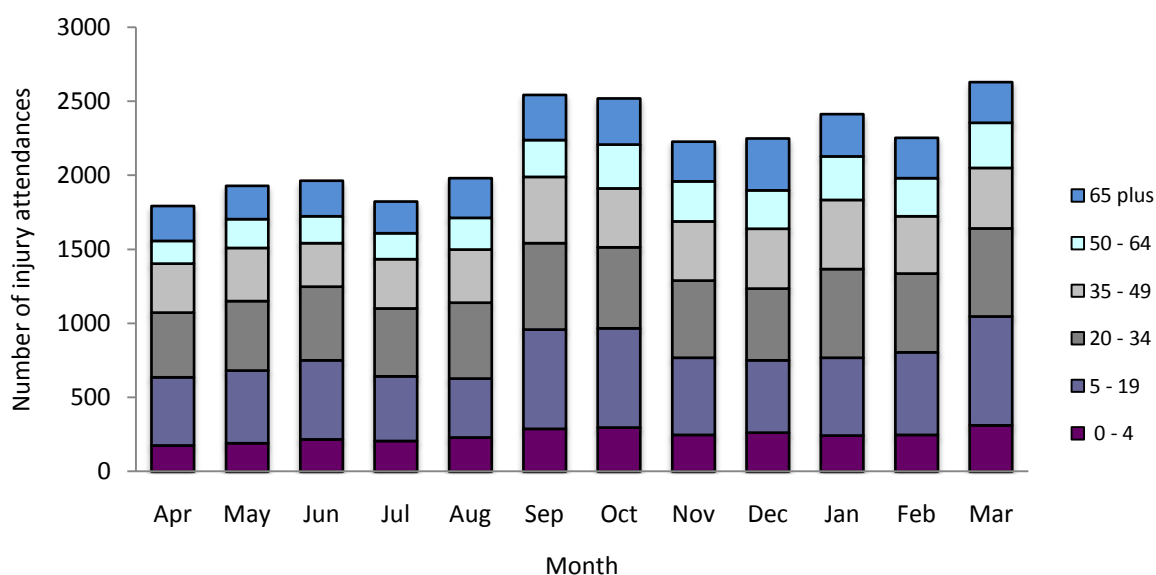


Table 1: Rochdale Infirmary ED: Total injury attendances by injury group and month, April 2009 to March 2010²

Injury group	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Total	%
Other injury	972	1102	1070	1022	1055	1540	1583	1352	1266	1267	1354	1771	15354	58
Fall	471	463	501	424	492	496	516	476	628	716	451	415	6049	23
RTC	107	146	133	136	105	152	141	168	115	193	218	164	1778	7
Assault	155	140	158	146	145	140	137	117	139	106	100	114	1597	6
Burns & scalds	44	42	65	44	79	67	64	59	58	65	71	66	724	3
Bites & stings	25	28	22	40	87	129	65	46	30	35	40	55	602	2
DSH	19	9	14	11	18	20	14	10	13	32	20	44	224	1
Total	1793	1930	1963	1823	1981	2544	2520	2228	2249	2414	2254	2629	26328	100

Figure 2: Rochdale Infirmary ED: Total injury attendances by age group, April 2009 to March 2010



² Due to low numbers Sports injury (n=25), Drown/Immersion (n=1), Electrical Accident (n=28) and Firework injury (n=2) were included in Other injury.

Figure 3: Rochdale Infirmary ED: Total injury attendances by age group and injury group, April 2009 to March 2010

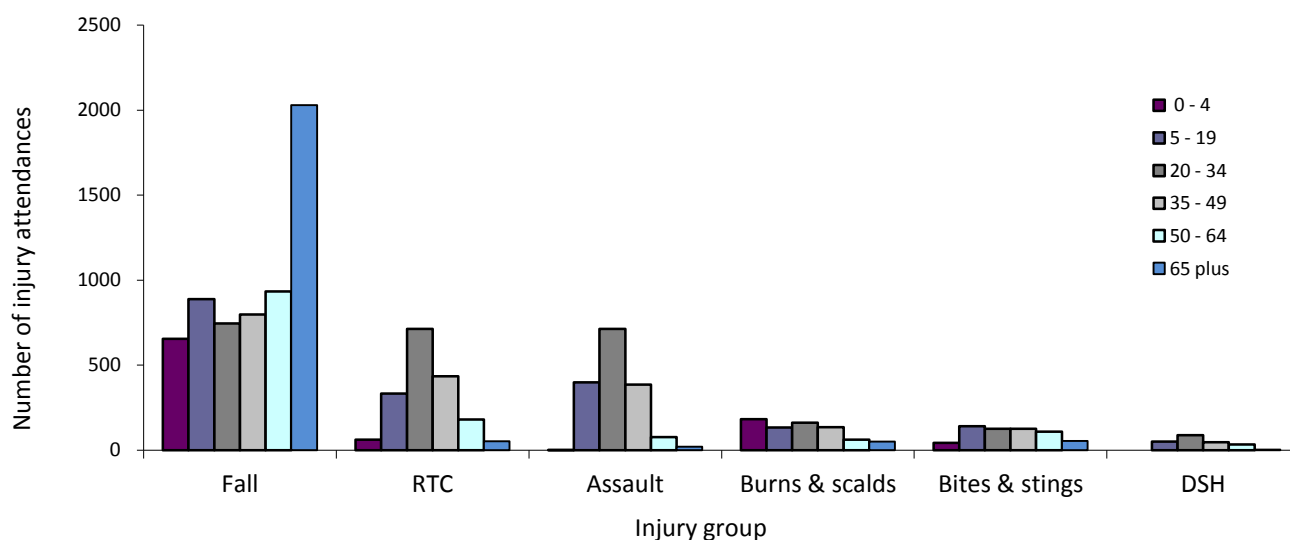


Table 2: Rochdale Infirmary ED: Total injury attendances by location of incident and injury group, April 2009 to March 2010³

Location	Assault		Bites & stings		Burns & scalds		DSH		Fall		Other injury		RTC		Total	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Home	301	19	210	35	326	45	145	65	2478	41	6759	44	34	2	10253	39
Other	312	20	119	20	53	7	34	15	591	10	3162	21	1614	91	5885	22
Public place	735	46	148	25	14	2	22	10	1444	24	1551	10	40	2	3954	15
Unknown	141	9	89	15	263	36	20	9	1121	19	1947	13	77	4	3658	14
Work	70	4	27	4	59	8	***	***	168	3	1023	7	***	***	1358	5
Educational Establishment	38	2	9	1	9	1	***	***	247	4	912	6	***	***	1220	5
Total	1597	100	602	100	724	100	224	100	6049	100	15354	100	1778	100	26328	100

Table 3: Rochdale Infirmary ED: Total injury attendances by ethnicity and month, April 2009 to March 2010⁴

Ethnicity	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Total	%
White	1392	1431	1456	1325	1499	1944	1900	1667	1670	1830	1733	1940	19787	75
Pakistani	257	324	316	327	310	370	383	371	363	391	341	424	4177	16
Not stated	57	57	77	66	61	97	80	60	67	80	74	131	907	3
Bangladeshi	30	40	41	47	51	30	50	40	59	37	31	47	503	2
Black	18	22	13	16	12	26	30	27	20	24	20	28	256	1
Any other ethnic group	18	20	22	16	14	26	24	16	20	15	19	17	227	1
Mixed	7	17	16	10	11	19	23	23	16	20	13	22	197	1
Irish	12	10	17	11	18	11	18	12	9	30	19	15	182	1
Any other Asian group	7	5	8	***	8	9	15	13	12	9	13	***	107	0
Indian	***	11	12	6	5	15	10	8	10	5	***	10	100	0
Not known	***	***	***	***	7	***	***	***	6	***	***	***	40	0
Chinese	***	***	***	***	***	***	***	***	6	***	***	***	***	0
Not given	***	***	***	***	***	***	***	***	***	***	***	***	***	0
Total	1793	1930	1963	1823	1981	2544	2520	2228	2249	2414	2254	2629	26328	100

³ 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.

⁴ White = Irish, British, other white background; Mixed = white and black, white and Asian, mixed any other; Other = any other ethnic group, any other Asian background; Black = African, Caribbean, other black.

Table 4: Rochdale Infirmary ED: Total injury attendances by method of disposal and month, April 2009 to March 2010⁵

Disposal	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Total	%
Discharged	1073	1180	1098	1061	1212	1512	1473	1365	1311	1350	1272	1541	15448	59
Referred/follow-up	514	541	640	585	541	809	793	636	660	813	757	845	8134	31
Admitted	155	173	180	139	182	185	184	193	219	213	177	189	2189	8
Other	51	36	45	38	46	38	70	34	59	38	48	54	557	2
Total	1793	1930	1963	1823	1981	2544	2520	2228	2249	2414	2254	2629	26328	100

Table 5: Rochdale Infirmary ED: Total injury attendances by method of disposal and injury group, April 2009 to March 2010

Disposal	Assault		Bites & stings		Burns & scalds		DSH		Fall		Other injury		RTC		Total	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Discharged	792	50	456	76	244	34	68	30	2926	48	9679	63	1283	72	15448	59
Referred	403	25	130	22	416	57	58	26	1751	29	4978	32	398	22	8134	31
Admitted	198	12	***	***	***	***	51	23	1210	20	613	4	62	3	2189	8
Other	204	13	***	***	***	***	47	21	162	3	84	1	35	2	557	2
Total	1597	100	602	100	724	100	224	100	6049	100	15354	100	1778	100	26328	100

Table 6: Rochdale Infirmary ED: Total injury attendances by mode of arrival and month, April 2009 to March 2010

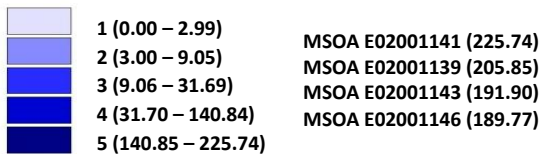
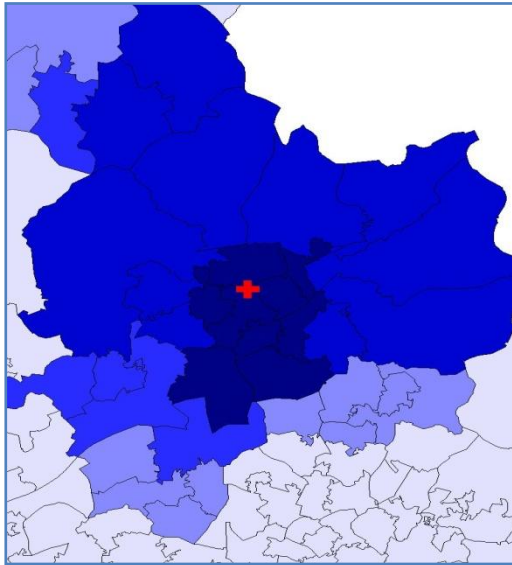
Arrival mode	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Total	%
Private transport	1152	1223	1198	1173	1203	1678	1630	1450	1418	1525	1431	1718	16799	64
Ambulance	306	352	336	312	328	347	353	304	394	348	353	343	4076	15
Taxi	105	108	163	123	147	173	170	172	183	221	168	230	1963	7
Not recorded	94	94	101	99	135	131	149	125	85	96	96	112	1317	5
Foot	59	66	86	57	78	128	105	85	86	133	103	108	1094	4
Public transport	33	22	29	20	37	26	36	34	26	40	46	33	382	1
Unknown	***	***	15	10	***	27	38	***	19	***	7	38	236	1
Work transport	22	22	12	15	16	15	18	20	11	19	18	24	212	1
Police	13	13	13	6	15	14	9	8	14	14	13	10	142	1
Other	***	***	10	8	***	5	12	***	13	***	19	13	107	0
Total	1793	1930	1963	1823	1981	2544	2520	2228	2249	2414	2254	2629	26328	100

⁵ Admitted=admitted to ED bed/became a lodged patient of the same health care provider; Discharged=discharged - did not require any follow up treatment; Referral/follow-up =discharged - follow up treatment to be provided by GP, referred to ED clinic, referred to fracture clinic, referred to other out-patient clinic, referred to other health care professional; Other=died in department, left department before being treated, left department having refused treatment, other.

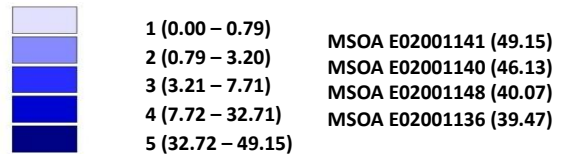
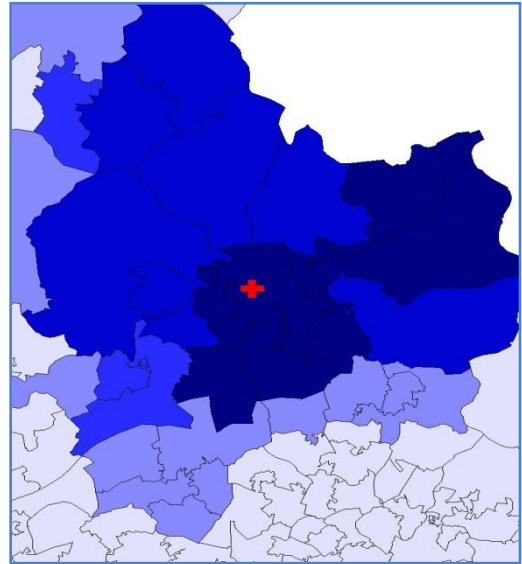
Figure 4a,b,c,d: Middle Super Output Area of residence for attendances to Rochdale Infirmary ED. Quintiles of crude rates per 1,000 population, April 2009 to March 2010

a) All injury attendances: quintiles of crude rates per 1,000 population b) Fall: quintiles of crude rates per 1,000 population

+ Rochdale Infirmary ED

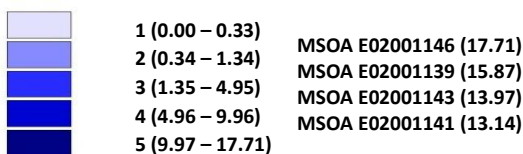
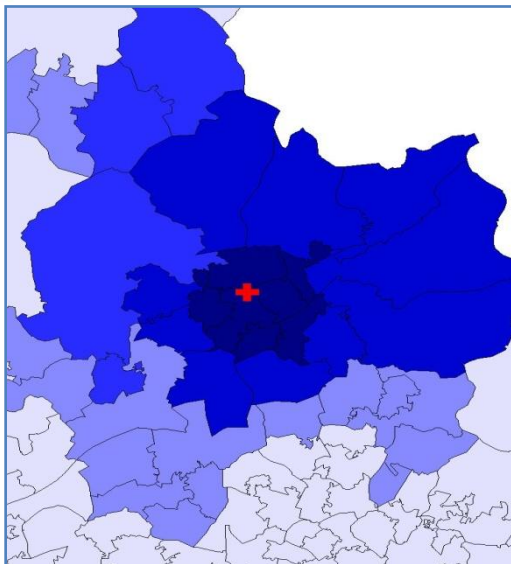


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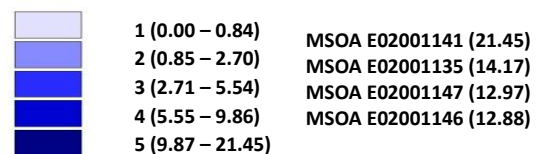
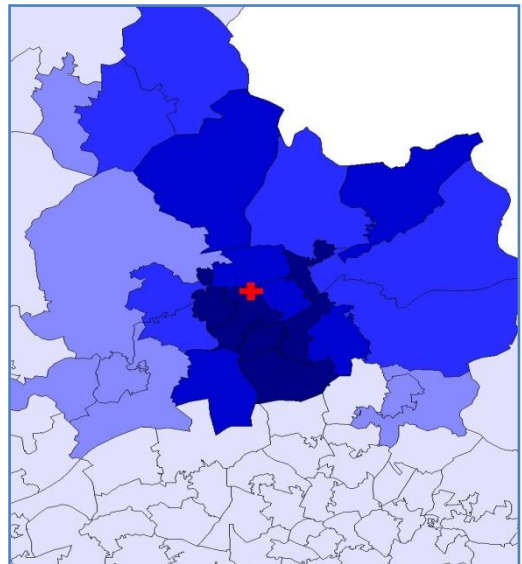
c) RTC: quintiles of crude rates per 1,000 population

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d) Assault: quintiles of crude rates per 1,000 population

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