

Injury attendances to Rochdale Infirmary Emergency Department

July 2010 to June 2011

This report summarises recorded injury attendances to Rochdale Infirmary Emergency Department (ED) between July 2010 and June 2011.

Between July 2010 and June 2011, there were 24,596 injury attendances to Rochdale Infirmary ED. Males accounted for nearly six in ten (57%) of all attendances. The month with the highest attendances was July (n=2,616) with April (n=1,897) having the lowest attendances (**Figure 1**). The majority (62%) of attendances were recorded as other injury; of the specified injury groups falls accounted for the highest proportion (21%) followed by road traffic collision (RTC) (7%) and assault (4%) (**Table 1**).

For all attendances the highest proportion were for persons aged 5 to 19 (27%) and 20 to 34 (23%) years (**Figure 2**). Over a quarter (28%) of fall attendees were aged 65 or over. Over two-fifths (42%) of RTC attendees were aged 20 to 34 (**Figure 3**).

Table 2 shows the location where injuries occurred. Over two-fifths (41%) of injuries occurred in the home; 14% of injuries occurred in a public place. Two-fifths (40%) of falls occurred in the home whilst over two-thirds (67%) of DSH injuries occurred in the home.

Table 3 shows the ethnicity of attendees to Rochdale Infirmary ED. Three-quarters (75%) were white and 17% were Pakistani.

The disposal of a patient can give an indication of the severity of the injuries sustained. Nearly two-thirds (64%) of attendees were discharged, nearly three in ten (29%) were referred and 6% were admitted (**Table 4**). Nearly four in five (78%) of RTC attendees were discharged (**Table 5**).

Table 6 shows the arrival methods of attendances at Rochdale Infirmary ED. Over seven in ten (71%) arrived by private transport whilst 8% arrived by taxi and 7% by ambulance.

Table 7 presents data on assault attendances at Rochdale Infirmary ED. Seven in ten (70%) were male; nearly half (46%) occurred in a public place; nearly four in ten (39%) were aged 20-34; and almost a fifth (19%) presented at the ED on weekend nights.

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, July 2010 to June 2011

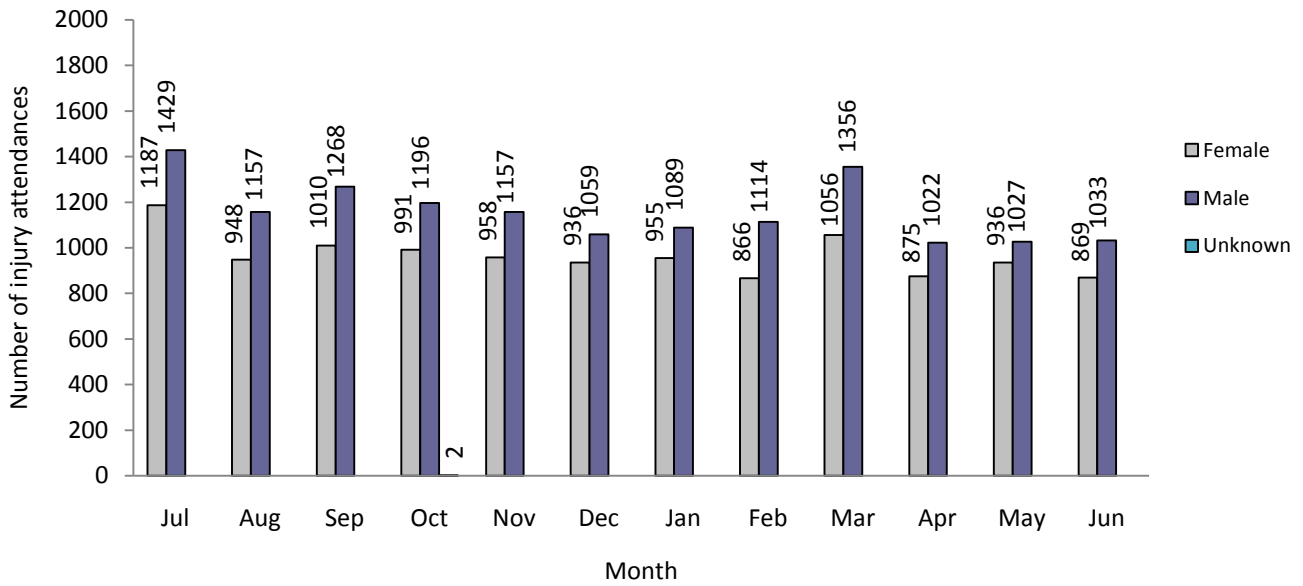
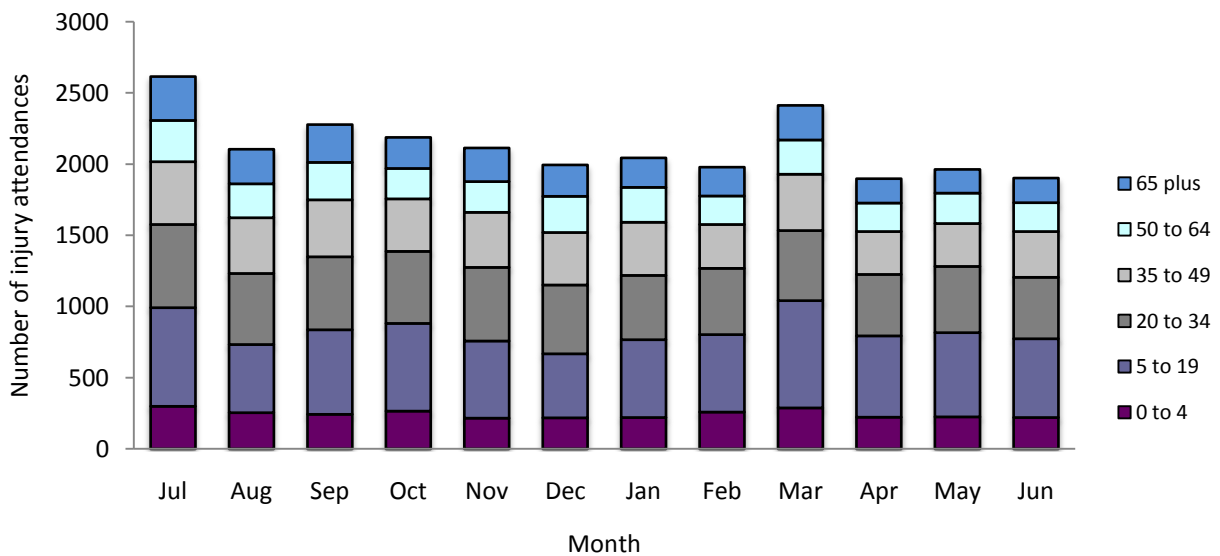


Table 1: Rochdale Infirmary ED: Total injury attendances by injury group and month, July 2010 to June 2011²³

Injury group	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Total	%
Other injury	1530	1384	1365	1338	1186	1126	1240	1269	1580	1202	1335	1257	15812	62
Fall	579	385	502	456	481	557	475	397	507	370	306	332	5347	21
RTC	188	115	167	195	256	151	139	161	126	129	117	125	1869	7
Assault	93	59	79	81	84	60	98	60	85	70	78	57	904	4
Burns & scalds	85	54	74	50	70	72	63	53	55	62	55	53	746	3
Bites & stings	119	103	79	56	***	***	24	31	47	57	62	71	708	3
DSH	22	5	12	13	***	***	5	9	12	7	10	7	110	0
Total	2616	2105	2278	2189	2115	1995	2044	1980	2412	1897	1963	1902	25496	100

Figure 2: Rochdale Infirmary ED: Total injury attendances by age group and month, July 2010 to June 2011



² Due to low numbers sports injury (n=<5), and electrical accident (n=14) were included in other injury.

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.

Figure 3: Rochdale Infirmary ED: Total injury attendances by age group and injury group (excluding other injury), July 2010 to June 2011

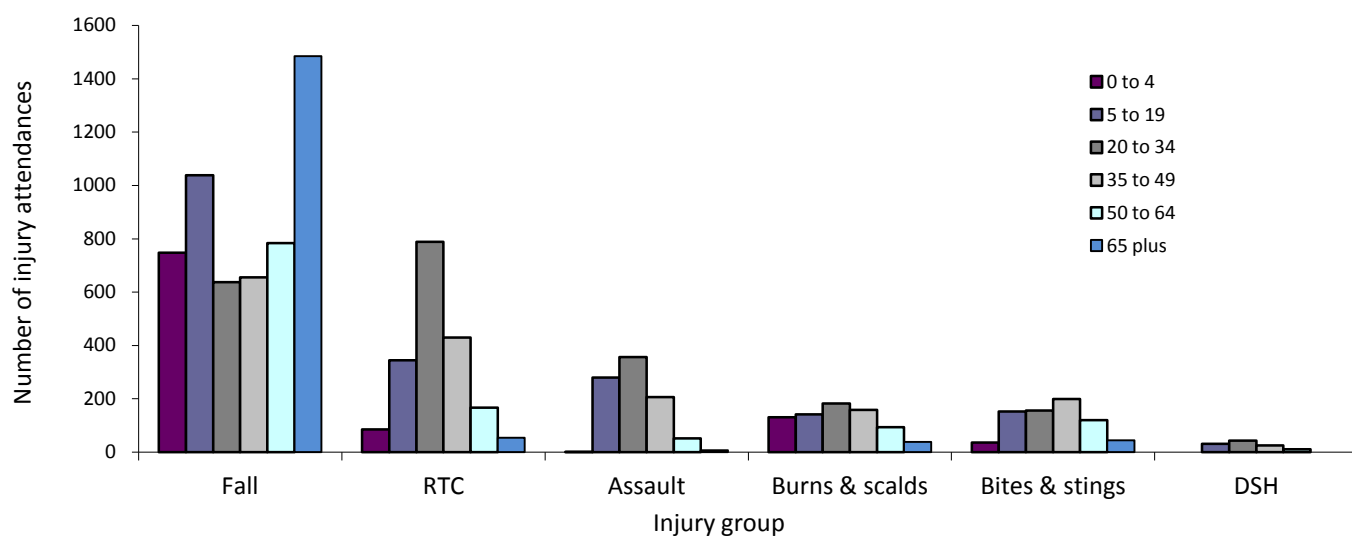


Table 2: Rochdale Infirmary ED: Total injury attendances by location of incident and injury group, July 2010 to June 2011

Location	Assault		Bites & stings		Burns & scalds		DSH		Fall		Other injury		RTC		Total	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Not recorded	57	6	61	9	205	27	11	10	595	11	1049	7	40	2	2018	8
Educational establishment	37	4	6	1	10	1	***	***	358	7	1099	7	***	***	1514	6
Home	143	16	293	41	365	49	74	67	2150	40	7452	47	44	2	10521	41
Other	207	23	176	25	72	10	17	15	748	14	3484	22	1756	94	6460	25
Public place	420	46	137	19	23	3	6	5	1343	25	1539	10	22	1	3490	14
Work	40	4	35	5	71	10	***	***	153	3	1189	8	***	***	1493	6
Total	904	100	708	100	746	100	110	100	5347	100	15812	100	1869	100	25496	100

Table 3: Rochdale Infirmary ED: Total injury attendances by ethnicity and month, July 2010 to June 2011⁴

Ethnicity	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Total	%
White	1936	1583	1770	1641	1614	1459	1512	1464	1835	1420	1490	1365	19089	75
Pakistani	435	323	335	357	324	378	368	352	382	335	317	361	4267	17
Not stated	128	84	71	77	59	48	53	47	59	40	43	44	753	3
Bangladeshi	42	34	32	41	41	27	37	37	40	45	30	41	447	2
Other	21	24	21	24	34	29	25	23	35	20	22	25	303	1
Black	23	25	17	31	17	20	20	29	23	16	26	21	268	1
Mixed	18	20	21	12	19	24	16	17	29	16	23	19	234	1
Indian	11	10	6	***	6	8	11	8	8	***	11	18	106	0
Chinese	***	***	***	***	***	***	***	***	***	***	***	***	18	0
Not recorded	***	***	***	***	***	***	***	***	***	***	***	***	11	0
Total	2616	2105	2278	2189	2115	1995	2044	1980	2412	1897	1963	1902	25496	100

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, July 2010 to June 2011⁵

Disposal	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Total	%
Discharged	1584	1289	1406	1406	1324	1270	1304	1287	1598	1287	1269	1248	16272	64
Referred/follow-up	753	669	706	633	645	581	613	559	650	524	595	587	7515	29
Admitted	236	129	141	137	123	120	111	122	139	63	79	56	1456	6
Other	43	18	25	13	23	24	16	12	25	23	20	11	253	1
Total	2616	2105	2278	2189	2115	1995	2044	1980	2412	1897	1963	1902	25496	100

Table 5: Rochdale Infirmary ED: Total injury attendances by method of disposal and injury group, July 2010 to June 2011

Disposal	Assault		Bites & stings		Burns & scalds		DSH		Fall		Other injury		RTC		Total	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Discharged	542	60	542	77	290	39	36	33	2907	54	10500	66	1455	78	16272	64
Referred/follow-up	199	22	161	23	426	57	33	30	1606	30	4752	30	338	18	7515	29
Admitted	86	10	***	***	***	***	30	27	744	14	530	3	38	2	1456	6
Other	77	9	***	***	***	***	11	10	90	2	30	0	38	2	253	1
Total	904	100	708	100	746	100	110	100	5347	100	15812	100	1869	100	25496	100

*Percentages may not add to 100 due to rounding.

Table 6: Rochdale Infirmary ED: Total injury attendances by mode of arrival and month, July 2010 to June 2011

Mode	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Total	%
Private transport	1786	1547	1616	1556	1494	1398	1442	1344	1707	1391	1451	1439	18171	71
Taxi	160	142	192	191	161	173	165	192	180	166	157	141	2020	8
Ambulance	380	163	172	169	179	163	144	123	189	77	43	42	1844	7
Not recorded	96	76	84	74	89	87	111	94	84	81	124	125	1125	4
Foot	87	79	105	95	81	70	89	87	115	95	103	102	1108	4
Public transport	30	42	44	44	43	29	36	33	40	36	41	26	444	2
Work transport	26	25	22	22	28	20	17	35	42	16	16	8	277	1
Unknown	21	14	23	20	20	27	15	43	34	18	9	9	253	1
Other	23	9	***	13	13	16	13	13	13	8	7	***	147	1
Police	7	8	***	5	7	12	12	16	8	9	12	***	107	0
Total	2616	2105	2278	2189	2115	1995	2044	1980	2412	1897	1963	1902	25496	100

*Percentages may not add to 100 due to rounding.

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.

Table 7: Rochdale Infirmary ED: Assault attendances by gender, incident location, age group and day/time of attendance, July 2010 to June 2011*

	Assaults (n=904)		All injuries (n=25,496)
	n	%	%
Sex			
Female	272	30	43
Male	632	70	57
Location			
Public place	420	46	14
Home	143	16	41
Other	207	23	25
Work	40	4	6
Educational establishment	37	4	6
Not recorded	57	6	8
Age group			
0 - 4	***	***	12
5 - 19	280	31	27
20 - 34	357	39	23
35 - 49	207	23	17
50 - 64	52	6	11
65 plus	***	***	10
Day & time			
Weekend nights**	170	19	4
Weekend days	203	22	22
Weekdays	531	59	74

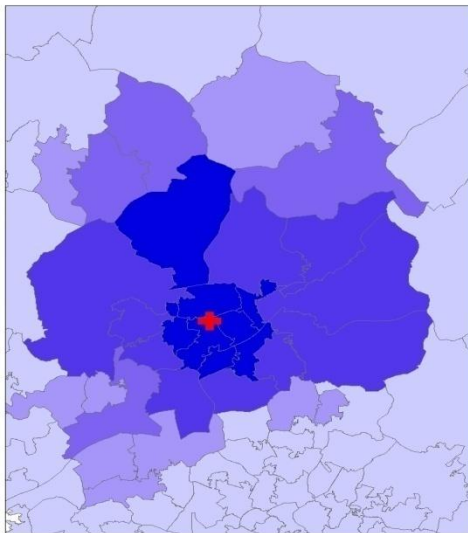
*Percentages may not add to 100 due to rounding.

**8pm to 3.59am, Friday evening/Saturday morning, Saturday evening/Sunday morning, Sunday evening/Monday morning.

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, July 2010 to June 2011

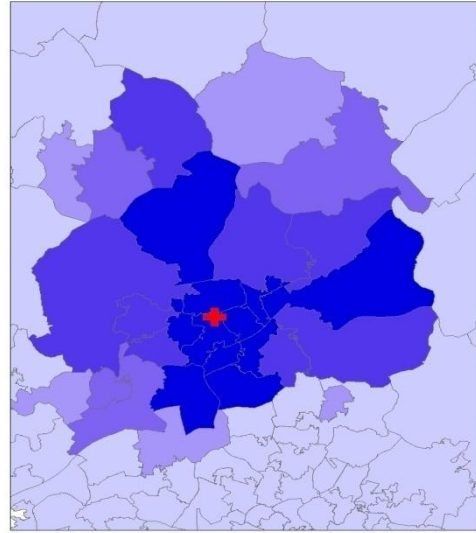
a) All injury attendances: quintiles of crude rates per 1,000 population b) Fall: quintiles of crude rates per 1,000 population

+ Rochdale Infirmary ED



1 (0.00 – 5.56)	MSOA E02001141 (224.04)
2 (5.57 – 24.25)	MSOA E02001146 (192.25)
3 (24.26 – 75.46)	MSOA E02001140 (191.41)
4 (75.47 – 148.09)	MSOA E02001135 (189.66)
5 (148.10 – 224.04)	

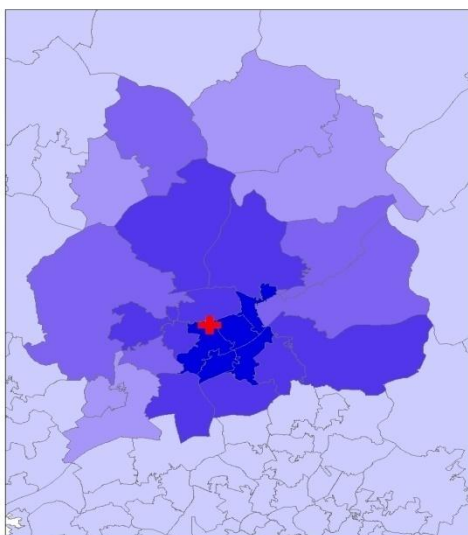
+ Rochdale Infirmary ED



1 (0.00 – 1.30)	MSOA E02001140 (46.85)
2 (1.31 – 4.67)	MSOA E02001141 (41.20)
3 (4.68 – 14.07)	MSOA E02001136 (36.95)
4 (14.08 – 28.92)	MSOA E02001135 (35.81)
5 (28.93 – 46.85)	

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

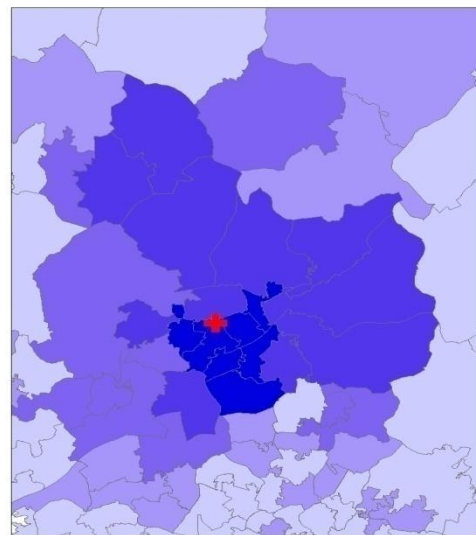
+ Rochdale Infirmary ED



1 (0.00 – 0.83)	MSOA E02001139 (20.37)
2 (0.84 – 2.78)	MSOA E02001143 (17.91)
3 (2.79 – 6.35)	MSOA E02001146 (16.72)
4 (6.36 – 12.21)	MSOA E02001141 (15.28)
5 (12.22 – 20.37)	

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

+ Rochdale Infirmary ED



1 (0.00 – 0.09)	MSOA E02001141 (14.12)
2 (0.10 – 0.38)	MSOA E02001146 (8.76)
3 (0.39 – 1.11)	MSOA E02001135 (8.26)
4 (1.12 – 5.28)	MSOA E02001139 (7.40)
5 (5.29 – 14.12)	

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