

Links with alcohol, drugs and deprivation

Close to one million people in Scotland experience poverty. One in four of these will be children. It is important to recognise the strong links between deprivation and alcohol and drug misuse.

Many people living in areas of multiple deprivation will experience poorer outcomes relating to health, poorer access to services, poorer housing and higher levels of unemployment.

Within Scotland there are 6,505 data zones all with around a population of 750. East Ayrshire has 154 of these data zones. Within Scotland each of these data zones is given a rank with 1 being the most deprived and 6505 being the least deprived. The ranking of these data zones depends on seven determinants – employment, income, health, education, geographic access, crime and housing. Across Scotland it is widely recognised that people who reside in the areas ranked 1-975 (top 15%) stay in the areas of greatest deprivation. East Ayrshire has 30 data zones which fall into the top 15%. This accounts for around 22,482 of the population of East Ayrshire.

Figure 1 below shows the relationship in Scotland between alcohol-related admissions to hospital and deprivation. Each SIMD quintile accounts for 20% of the population. This table clearly shows that people who stay in the most deprived quintile are around six times more likely to be admitted to hospital with an alcohol-related diagnosis than those in the least deprived quintile.

Figure 1

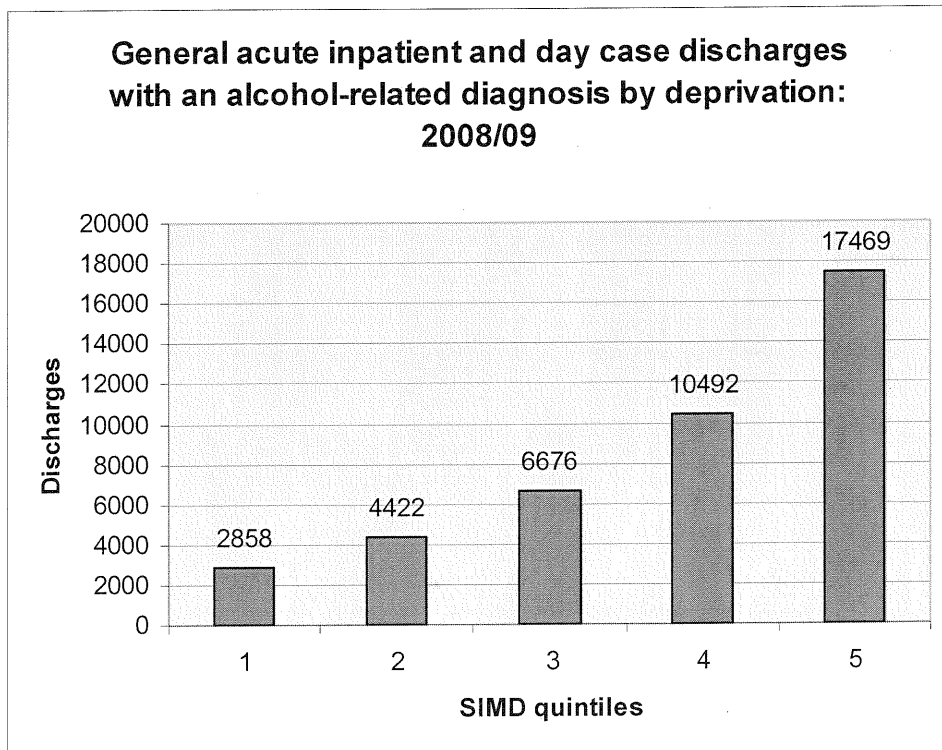
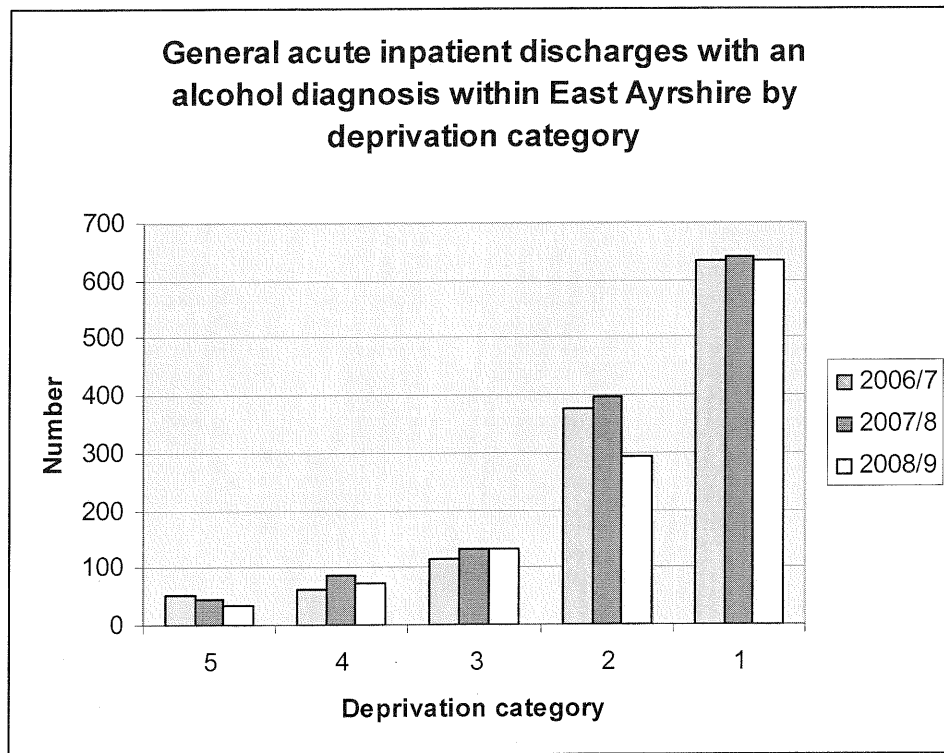


Figure 2 below shows the general acute inpatient discharges with an alcohol diagnosis by deprivation category, within East Ayrshire over the last 3 years. These figures were closely mirror the Scottish figures above.

Figure 2



It is essential that these figures are not looked at in isolation. Deprivation is only one factor which can affect outcomes for individuals. There can be many influencing factors which can lead an individual towards problematic drug and alcohol misuse. Indeed *Drugs and poverty: a literature review (2007)* states that “Deprivation does not directly cause addiction, instead it increases the propensity to misuse – it weakens what are sometimes called the protective factors and it strengthens the risk factors.”

Table 1 below shows the data zones in East Ayrshire which have the highest figures for hospital episodes related to alcohol misuse (2004-2007). The data zones also have their geographic area defined. In this scale the Scottish average would be **100**. This means that our top data zone has a rate five times the Scottish average. The data zones highlighted in blue show the links with deprivation, as these data zones are in the top 15% for East Ayrshire.

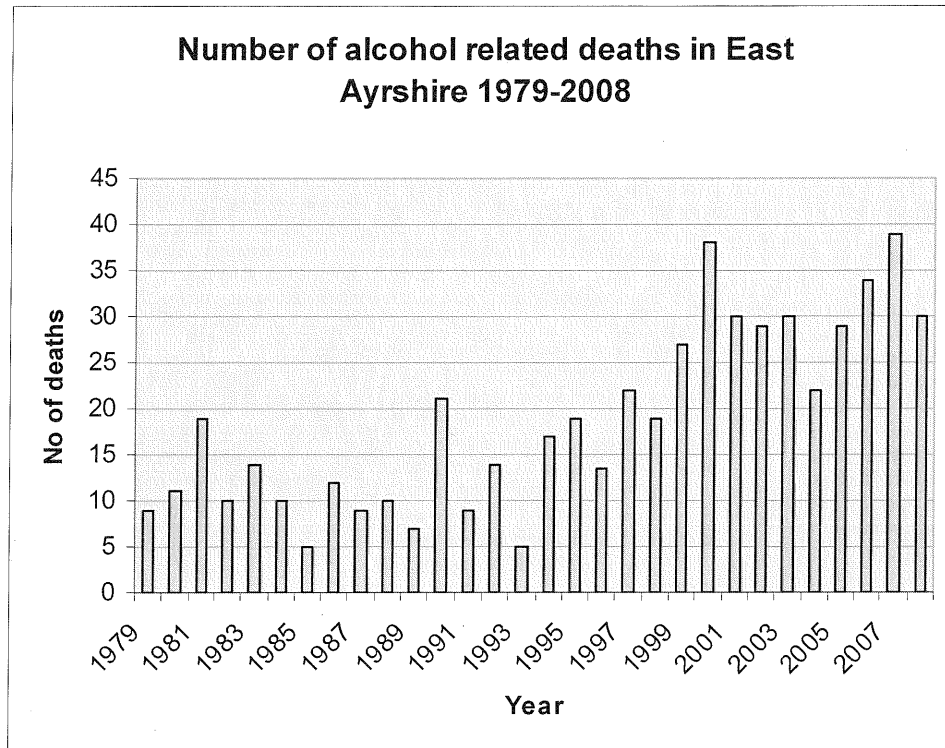
Table 1

Data Zone	SIMD 2009 Rank	Area	Hospital Episodes Related to alcohol misuse (2004-2007)
SO1001388	42	Altonhill/Longpark and Hillhead	514
SO1001382	110	Altonhill/Longpark and Hillhead	452
SO1001399	91	Altonhill North and Onthank	409
SO1001280	1072	New Cumnock	353
SO1001386	319	Altonhill, Longpark and Hillhead	350
SO1001376	879	Bonnyton and Town Centre	345
SO1001385	1829	Bonnyton and Town Centre	334
SO1001394	141	Altonhill, Longpark and Hillhead	328
SO1001313	1342	Catrine	325
SO1001324	55	Shortlees	324
SO1001397	114	Altonhill North and Onthank	323
SO1001336	2310	Bellfield and Kirkstyle	309
SO1001312	270	Catrine	301
SO1001333	527	Kilmarnock South Central	300
SO1001377	1715	New Farm Loch South	300

It is important to highlight that 10 out of the 15 data zones shown here are in areas of multiple deprivation. However it is probably even more significant that 86 out of 154 data zones (55.8%) in East Ayrshire were above Scottish average.

Finally it is also important to include the most serious outcome for alcohol and drug misuse in East Ayrshire. **Figure 4** shows the large increase in alcohol related deaths in East Ayrshire over the past 29 years.

Figure 4



Data Zone	Area	Hospital Episodes Related to Alcohol use(ISD, 2004-2007) ³
S01001269	Dalmellington	102
S01001270	Bellsbank	249
S01001271	Bellsbank	173
S01001272	Dalmellington	116
S01001273	Dalmellington	218
S01001274	Patna	227
S01001275	Patna	233
S01001276	New Cumnock	67
S01001277	Patna	155
S01001278	Dalrymple	101
S01001279	New Cumnock	149
S01001280	New Cumnock	353
S01001281	New Cumnock	153
S01001282	New Cumnock	129
S01001283	Dalrymple	77
S01001284	Dalrymple	92
S01001285	Sinclairston/Rankinston	112
S01001286	Drongan	82
S01001287	Drongan	149
S01001288	Drongan	257
S01001289	Netherthird, Cumnock	252
S01001290	Drongan	72
S01001291	Craigens, Cumnock	179
S01001292	Netherthird, Cumnock	157
S01001293	Cumnock	140
S01001294	Barshare, Cumnock	207
S01001295	Cumnock	59
S01001296	Cumnock	129
S01001297	Barshare, Cumnock	137
S01001298	Cumnock	171
S01001299	Cumnock	209
S01001300	Cumnock rural	38
S01001301	Logan	135
S01001302	Holmhead, Cumnock	22
S01001303	Holmhead, Cumnock	20
S01001304	Ochiltree	20
S01001305	Ochiltree	157
S01001306	Logan	201
S01001307	Auchinleck	77
S01001308	Auchinleck	266
S01001309	Auchinleck	299
S01001310	Auchinleck	296
S01001311	Catrine	43
S01001312	Catrine	301
S01001313	Catrine	325
S01001314	Mauchline	74
S01001315	Mauchline	65
S01001316	Muirkirk	205

S01001317	Mauchline	76
S01001318	Mauchline	87
S01001319	Muirkirk	92
S01001320	Mauchline	133
S01001321	Mauchline	50
S01001322	Sorn	23
S01001323	Shortlees	138
S01001324	Shortlees	324
S01001325	Shortlees	238
S01001326	Bellfield and Kirkstyle	59
S01001327	Shortlees	169
S01001328	Shortlees	138
S01001329	Shortlees	118
S01001330	Kilmarnock South Central and Caprington	22
S01001331	Bellfield and Kirkstyle	134
S01001332	Bellfield and Kirkstyle	93
S01001333	Kilmarnock South Central and Caprington	300
S01001334	Hurlford	75
S01001335	Riccarton	198
S01001336	Bellfield and Kirkstyle	309
S01001337	Galston	76
S01001338	Galston	174
S01001339	Galston	27
S01001340	Hurlford	186
S01001341	Hurlford	232
S01001342	Hurlford	144
S01001343	Galston	144
S01001344	Galston	41
S01001345	Galston	126
S01001346	Grange, howard and Gargieston	126
S01001347	Grange, howard and Gargieston	15
S01001348	Kilmarnock South Central and Caprington	138
S01001349	Hurlford	21
S01001350	Newmilns	170
S01001351	Grange, howard and Gargieston	80
S01001352	Hurlford	38
S01001353	Grange, howard and Gargieston	30
S01001354	Newmilns	136
S01001355	Newmilns	46
S01001356	Grange, howard and Gargieston	29
S01001357	Kilmarnock South Central and Caprington	276
S01001358	Darvel	160
S01001359	Grange, howard and Gargieston	58
S01001360	Darvel	104
S01001361	Piersland	72
S01001362	Piersland	24
S01001363	Piersland	199
S01001364	Newmilns	120
S01001365	Hurlford	131
S01001366	Grange, howard and Gargieston	33
S01001367	Piersland	108
S01001368		26
S01001369	Darvel	95
S01001370	Piersland	149
S01001371	Bonnyton and Town Centre	193
S01001372	Crosshouse and Gatehead	40

S01001373	Crosshouse and Gatehead	88
S01001374	New Farm Loch South	11
S01001375	Darvel	53
S01001376	Bonnyton and Town Centre	345
S01001377	New Farm Loch South	300
S01001378	Bonnyton and Town Centre	48
S01001379	Crosshouse and Gatehead	78
S01001380	Bonnyton and Town Centre	142
S01001381	New Farm Loch South	100
S01001382	Altonhill, Longpark and Hillhead	452
S01001383	Crosshouse and Gatehead	76
S01001384	New Farm Loch South	135
S01001385	Bonnyton and Town Centre	334
S01001386	Altonhill, Longpark and Hillhead	350
S01001387	New Farm Loch North	86
S01001388	Altonhill, Longpark and Hillhead	514
S01001389	New Farm Loch North	121
S01001390	New Farm Loch North	39
S01001391	New Farm Loch North	87
S01001392	Altonhill, Longpark and Hillhead	260
S01001393	Southcraigs and Beansburn	63
S01001394	Altonhill, Longpark and Hillhead	328
S01001395	New Farm Loch North	118
S01001396	Altonhill North and Onthank	121
S01001397	Altonhill North and Onthank	323
S01001398	Southcraigs and Beansburn	30
S01001399	Altonhill North and Onthank	409
S01001400	Altonhill North and Onthank	142
S01001401	Altonhill North and Onthank	154
S01001402	Southcraigs and Beansburn	30
S01001403	Southcraigs and Beansburn	22
S01001404	Southcraigs and Beansburn	18
S01001405	Southcraigs and Beansburn	36
S01001406	Crosshouse	28
S01001407	Kilmaurs	45
S01001408	Kilmaurs	100
S01001409	Kilmaurs	95
S01001410	Fenwick	75
S01001411	Fenwick	31
S01001412	Stewarton West	144
S01001413	Stewarton East	16
S01001414	Stewarton West	106
S01001415	Stewarton East	86
S01001416	Stewarton East	128
S01001417	Stewarton West	29
S01001418	Stewarton East	45
S01001419	Stewarton East	93
S01001420	Irvine Valley Rural	21
S01001421	Dunlop	148
S01001422	Dunlop	46