

## **Grouping of Local General Practices**

The general practices in Hull differ with regard to their registered population in terms of deprivation and age of patients. Whilst general practices can be compared, it is better and easier to try to compare like-with-like. As a result, the general practices in Hull have been grouped according to the average deprivation score of their patients and the average age of their patients<sup>1</sup>. The Index of Multiple Deprivation 2010 has been used to measure deprivation (see below for more details). Nationally, a deprivation score has been assigned to each of the 163 lower layer super output areas (LLSOAs) within Hull. On average, 1,500 residents live in each LLSOA in Hull (although with population changes to some areas, such as Kings Park, the number of residents is higher<sup>2</sup>). A deprivation score has been determined for each registered patient based on their postcode (and their LLSOA). There is an assumption that the average deprivation score for the LLSOA is representative for each registered patient and this might not be the case (the patients registered at a specific practice may be more deprived than the average. For instance, ethnicity of the patient and GP may influence the practice where the patient registers, people with mobility problems or do not have access to a car may be more likely to be registered with practices along bus routes, practices may specialise in particular types of patients who may live in the most deprived areas<sup>3</sup>, etc.

**Table 1** gives the mean age and deprivation scores of the patients registered with each practice (as at October 2010). The table also gives the assigned groups for each practice based on the deprivation score and mean age of their registered patients which is illustrated in **Figure 1**.

**Table 1** includes two practices which closed prior to 2010 but are assigned a group based on information within the population file relating to the year prior to their closure (B81676: Dr Jones & Partner in group A which closed during 2004/05 and B81668: Dr Strykiewicz in group C which closed during 2006/07). Both **Table 1** and **Figure 1** includes two practices that closed during 2010 (B81001: Dr Ogunba & Partners in group C and B81646: Dr Shaikh in group D). These two practices are included in the all of the analyses involving data from the QOF GP disease registers for 2010/11, and analyses involving data from hospital admissions for 2008/09 to 2010/11 as they were still operating during that time period. The two practices that closed during 2004/05 and 2006/07 are included in a small number of analyses from the QOF GP disease registers where the prevalence over time from 2004/05 to 2010/11 is presented.

The groups were originally defined using the IMD 2007 using the population as at April 2010 to calculate the mean IMD score and mean age of the patients. The exercise was repeated when the IMD was updated, with one practice changing

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<sup>1</sup> Theoretically it is possible to group practices using more characteristics than deprivation and age, however, as the number of characteristics increase, in practice, it becomes much more difficult to group the practices into similar groups.

<sup>2</sup> Although following the 2011 Census, some additional LLSOAs have been created in Hull so that the populations are not too great. The grouping of practices was undertaken prior to this.

<sup>3</sup> For example, The Quays practice has a relatively high proportion of patients who are homeless, drug addicts, asylum seekers, etc. It is likely that these patients will live in the most deprived areas of a LLSOA geographical area, and assigning the average score for the LLSOA to these patients may under-estimate their true deprivation score.

group (B81094 changing from group B to group A)<sup>4</sup>. It would be possible to update the groups using more recent population estimates, but it is useful to have consistent groups and it is likely that most practice populations have not changed substantially<sup>5</sup>.

Figure 1: Mean deprivation score and mean age of registered patients for each general practice as at October 2010 and grouping of practices

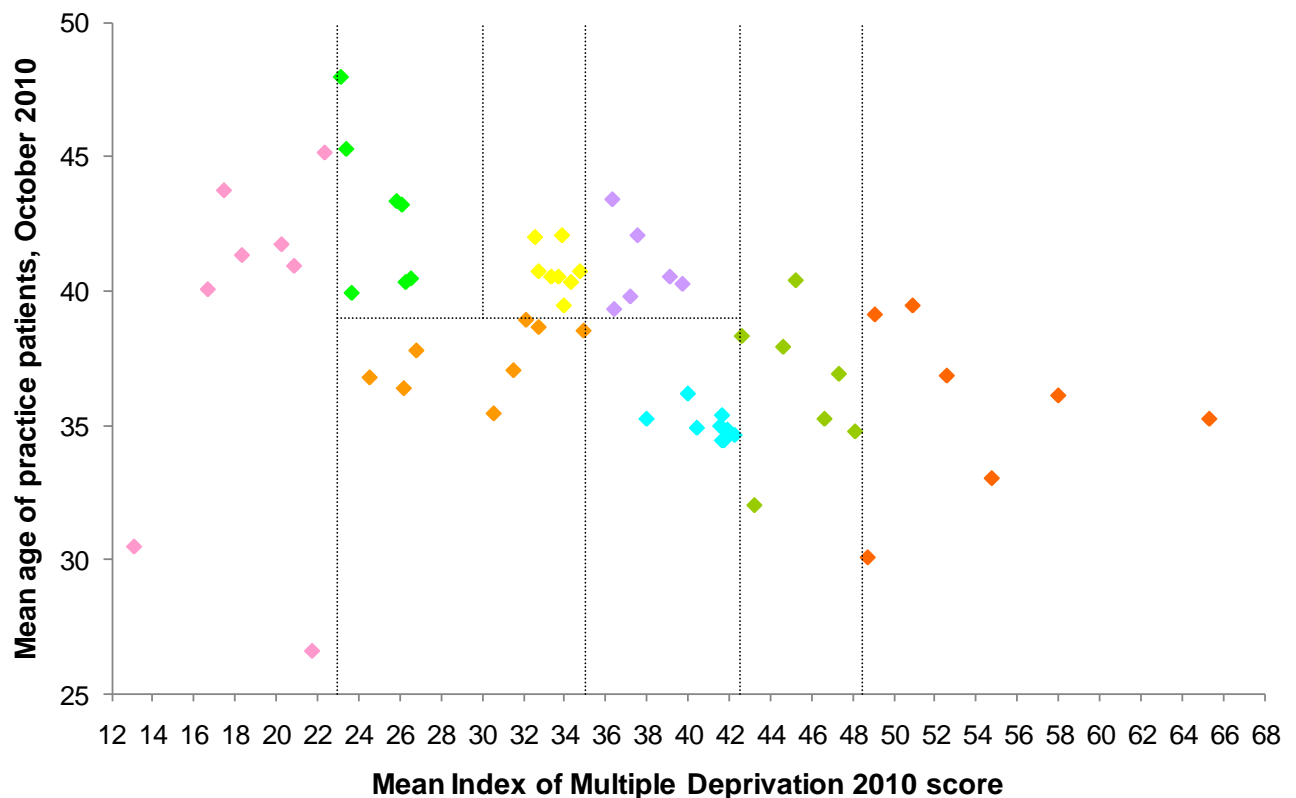


Table 1: General practice groupings based on deprivation score and mean age of registered patients as at October 2010

Group	Code and name	List size Oct 2010	Mean age Oct 2010	Mean IMD 2010
A	B81035: Avenues Medical Centre	6,160	41.74	20.26
A	B81056: Springhead Medical Centre	13,813	40.10	16.65
A	B81094: Dr Datta	1,789	40.92	20.84
A	B81104: Dr Nayar	6,547	26.59	21.71
A	B81635: Dr Dave	2,979	43.77	17.45
A	B81662: At Mizzen - Dispersal	1,719	45.18	22.36
A	B81676: Dr Jones & Partner*	2,620	26.51	20.69
A	Y01200: Calvert Practice	1,815	41.35	18.37

<sup>4</sup> The cut-off values for the age and IMD were adjusted slightly to minimise the number of practices changing groups.

<sup>5</sup> It was known that the population of one or two practices had changed following the closure of one of the practices during 2010 as that practice population increased, but there was no change in their grouping following a re-analysis of the mean age and deprivation scores.

Group	Code and name	List size Oct 2010	Mean age Oct 2010	Mean IMD 2010
A	Y02747: Kingswood Surgery	1,378	30.48	13.12
B	B81020: Dr Mitchell & Partners	7,436	40.36	26.32
B	B81021: Faith House Surgery	7,372	40.43	26.55
B	B81075: Dr Mallik	2,197	47.96	23.14
B	B81085: Dr Richardson & Partners	5,302	43.34	25.88
B	B81095: Dr Cook	4,145	43.18	26.13
B	B81097: Dr Yagnik	1,689	45.30	23.40
B	B81690: Dr Ray	1,650	39.94	23.65
C	B81001: Dr Ogunba & Partners***	3,333	38.92	32.10
C	B81008: Dr Parker & Partners	14,936	38.50	34.96
C	B81048: Dr SM Hussain & Partners	8,915	36.35	26.16
C	B81049: Dr Rawcliffe & Partners	9,218	38.68	32.71
C	B81052: Drs Musil & Queenan	5,736	37.07	31.54
C	B81072: Dr Percival & Partners	7,574	37.79	26.81
C	B81644: Drs Mahendra & Shivkumar Gopal	2,229	36.78	24.53
C	B81668: Dr Stryjakiewicz**	3,282	37.95	26.12
C	Y02786: Priory Surgery	813	35.46	30.55
D	B81011: Kingston Health (Hull)	5,212	40.76	34.72
D	B81038: Dr Miller & Partners	7,690	42.08	33.84
D	B81057: Dr MacPhie	3,184	41.98	32.60
D	B81074: Dr Rej	3,534	40.31	34.30
D	B81081: Dr Tang & Partner	3,556	40.50	33.72
D	B81645: East Park Practice	2,176	40.75	32.74
D	B81646: Dr Shaikh***	1,822	40.53	33.33
D	B81682: Dr Shaikh & Partners	3,780	39.45	33.98
E	B81053: Diadem Medical Practice	10,641	40.56	39.15
E	B81054: Dr Varma & Partners	10,689	40.25	39.72
E	B81058: Dr Foulds & Partner	8,679	42.04	37.55
E	B81066: Dr Chowdhury	2,460	39.80	37.21
E	B81080: Dr Malczewski	2,168	43.40	36.31
E	B81616: Dr Hendow	2,539	39.29	36.38
F	B81002: Dr Kumar-Choudhary	3,837	34.84	41.87
F	B81112: Dr Ghosh Raghunath & Partners	3,454	34.46	41.62
F	B81119: Dr Palooran & Partners	4,528	35.38	41.65
F	B81634: Dr Venugopal	3,018	34.47	41.75
F	B81674: Dr Joseph	2,246	36.18	40.01
F	B81675: Drs Tak & Stryjakiewicz	9,110	35.27	37.97
F	B81685: Dr Poullose	2,394	34.88	40.41
F	B81688: Dr Gopal	2,023	34.65	42.29
F	Y02344: Northpoint	2,018	34.94	41.59
G	B81027: St Andrews Group Practice	5,953	40.38	45.19
G	B81040: Dr Weir & Partners	16,716	37.90	44.64
G	B81047: Dr Singh & Partners	7,501	38.30	42.57
G	B81089: Dr Witvliet	3,593	36.89	47.32
G	B81631: Dr Raut & Partner	3,438	32.02	43.20
G	B81683: Dr Raghunath & Partners	1,749	35.24	46.62
G	Y02896: Story St Practice & Walk In Centre	942	34.78	48.09
H	B81017: Kingston Medical Group	6,724	39.12	49.06
H	B81018: Dr Awan & Partners	6,517	36.09	57.96
H	B81032: Dr AW Hussain & Partners	2,328	39.48	50.93

<b>Group</b>	<b>Code and name</b>	<b>List size Oct 2010</b>	<b>Mean age Oct 2010</b>	<b>Mean IMD 2010</b>
H	B81046: Dr Blow & Partners	9,247	36.82	52.56
H	B81692: Quays Medical Centre	1,677	33.04	54.75
H	Y00955: Riverside Medical Centre	2,460	35.27	65.34
H	Y02748: Haxby Orchard Park Surgery	552	30.06	48.71

\*B81676 – Closed 2004/05 so mean age and IMD 2007 is from October 2004 population file.

\*\*B81668 – Closed 2006/07 so mean age and IMD 2007 is from October 2006 population file.

\*\*\*B81646 and B81001 – Closed 2010, but information was available in October 2010 population file so mean age and mean IMD 2010 is from October 2010 population file.