

Demography and Information in Norfolk

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Further analysis of the English Indices of Deprivation 2010

In May 2011 we published an initial analysis of the latest English Indices of Deprivation, ID2010 Demography & Information Issue 3/11, dealing mainly at the local authority level and looking at the Index of Multiple Deprivation. This follow-on report looks at the indices and domains provided at Lower Super Output Area level, concentrating on the LSOAs that fall within the range of the most deprived ten per cent in England. There is also an analysis of the number of people (and, separately, of children) affected by income deprivation, and an indication of how the level of deprivation compares with the previous Indices of Deprivation ID2007 and ID2004.



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Headline analysis

The ID2010 provides a relative measure of deprivation in small areas across England. Collectively it comprises ten indices which measure different aspects of deprivation. The most widely used of these is the Index of Multiple Deprivation (IMD), which is a combination of a number of the other indices to give an across the board score for the relative level of multiple deprivation in each part of the country. There are seven other domains and two supplementary indices.

What does the ID2010 tell us about deprivation in Norfolk?

- Norfolk tends to rank as relatively less deprived on the domains of Crime and Health Deprivation and Disability, and relatively more deprived on the domains of Barriers to Housing and Services and Education, Skills and Training
- On the Index of Multiple Deprivation the nine most deprived LSOAs in Norfolk are in the most deprived five per cent nationally; four of these are in Nelson Ward (Great Yarmouth), making this the most deprived ward in the County
- Great Yarmouth and Norwich had easily the highest number of LSOAs included in the most deprived ten per cent on more than one domain, and had at least one LSOA included for all the domains
- Norwich had the most LSOAs (28) appearing on any domain (Education, Skills and Training). Breckland had six LSOAs in parts of Thetford and Swaffham in the most deprived ten per cent on the Education, Skills and Training domain
- The number of LSOAs included and the severity of the deprivation is clearly more marked in the case of income deprivation affecting children than for income deprivation affecting older people
- Around 109,800 of the Norfolk population – about one in eight – were income deprived, the proportions of the population ranging from 19.1% in Great Yarmouth to 8.3% in Broadland
- Around 26,100 Norfolk children – between one in five and one in six – were living in income deprived families, the proportions of the population ranging from 31.9% in Norwich to 10.5% in Broadland
- There are 29 Norfolk LSOAs in the most deprived ten per cent in England on the Index of Multiple Deprivation, and there has been relatively little shift in these areas since the previous reports (ID2004 and ID2007). 24 of these areas appear in the most deprived ten per cent in all three Indices
- There has been relatively little shift in the broad pattern of deprivation when compared with the previous reports.

The remaining pages will add some detail to this headline analysis.

Domains and indices of deprivation and the index of multiple deprivation

There are ten indices for each Lower Super Output Area (LSOA) in England: the Index of Multiple Deprivation (IMD), seven domain indices and two supplementary indices.

The same seven domains identified for inclusion in the IMD2007 have been retained for the IMD2010. These are:

- Income Deprivation
- Employment Deprivation
- Health Deprivation and Disability
- Education, Skills and Training Deprivation
- Barriers to Housing and Services
- Crime
- Living Environment Deprivation.

There are 38 indicators in total in the IMD2010 and these are broadly the same, updated using more recent data. In most cases, the indicators in IMD2010 relate to 2008.

Deprivation has been measured at the Lower Super Output Area (LSOA) level since the ID2004. LSOAs are homogeneous small areas of relatively even size containing around 1,500 people (there are 530 LSOAs in Norfolk). The majority of indicators used denominators derived from the rebased mid-2008 population estimates provided by the Office for National Statistics (ONS). The domain scores were ranked and after statistical adjustments and weighting (as for the previous Indices of Deprivation) were combined to produce an overall Index of Multiple Deprivation. Full details of the methodology and indicator detail are in the CLG report available from:

<http://www.communities.gov.uk/communities/research/indicesdeprivation/deprivation10/>

Sub-domains and indices

For several domains the indicators fall naturally into two sub-domains, and separate scores and ranks are provided for these in addition to those for the domain as a whole:

Education, skills and training

- Children and young people sub-domain
- Skills sub-domain

Barriers to housing and services domain

- Wider barriers sub-domain
- Geographical barriers sub-domain

Living environment domain

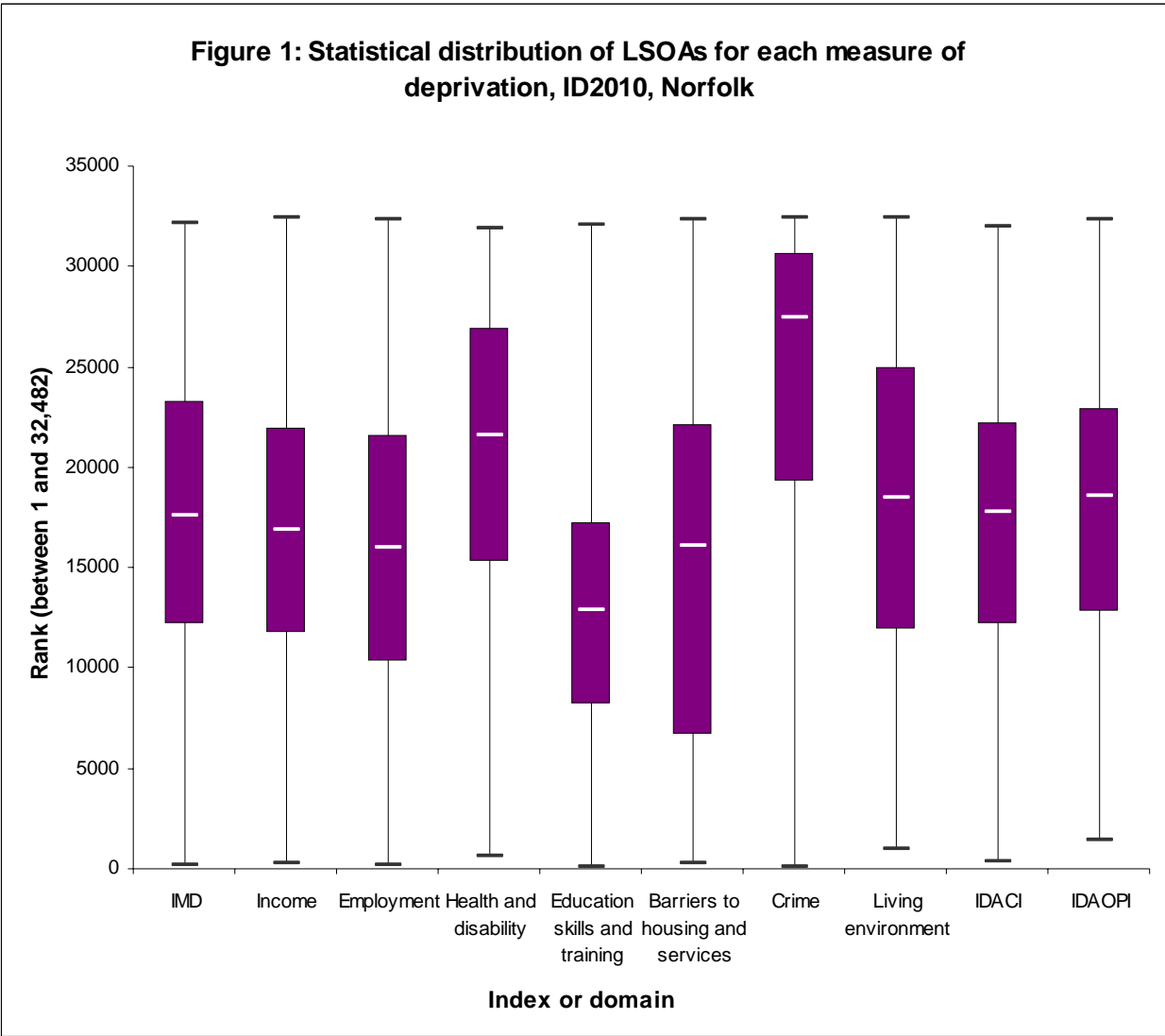
- The 'indoors' living environment sub-domain
- The 'outdoors' living environment sub-domain

Supplementary indices

- Income deprivation affecting children index (IDACI)
- Income deprivation affecting older people index (IDAOPI)

IDACI is a subset of the Income deprivation domain, and shows the proportion of children in each LSOA that live in families that are income deprived. IDAOPI is also a subset of the income deprivation domain. It is the proportion of an LSOA's population aged 60 and over who are Income Support, income-based Jobseeker's Allowance or Pension Credit (Guarantee) claimants aged 60 and over and their partners (if also aged 60 or over).

The box plot in **Figure 1** shows the range of LSOA rankings in Norfolk for the multiple index, the seven domains and the two additional income indices. An explanation of how the box plot is constructed is given directly underneath the diagram.



Note: the box plot for each measure shows the minimum and maximum LSOA ranks in Norfolk (between 1 and 32,482 nationally) using vertical lines and end bars. The boxes show the range of ranks for the middle 50% of LSOAs (the inter-quartile range) and the horizontal line within the box represents the rank of the median LSOA. If this box is relatively short it indicates that LSOAs are ranked in a narrow range. If this box sits towards the bottom of the chart it tells us that the deprivation ranks of the LSOAs are concentrated in the most deprived part of the national distribution, or if towards the top of the chart, concentrated in the least deprived part.

Source for all tables and charts: The English Indices of Deprivation, CLG, March 2011

Norfolk has a wide range of LSOA ranks for each of these measures. The worst ranking LSOA on any measure is ranked 92 (out of 32,482 in England) on the Crime domain, and the best ranking LSOA is ranked 32,452, also on the Crime domain.

The four domains in the centre of the chart show the most variability. For the Crime domain, and to a lesser extent the Health Deprivation and Disability domain, the ranks are concentrated in the least deprived part of the national distribution. For Barriers to Housing and Services the LSOAs are ranked in a wide range towards the most deprived part of the distribution; and similarly for Education Skills and Training except over a much narrower range of ranks.

The maximum and minimum ranks used for the Figure are given in **Table 1**.

Table 1: Minimum and maximum ranks in Norfolk for each index and domain

	Minimum	Maximum
IMD	201	32,193
Income	270	32,382
Employment	141	32,374
Health deprivation and disability	641	31,857
Education, skills and training	106	32,078
Barriers to housing and services	239	32,311
Crime	92	32,452
Living environment	1,009	32,449
IDACI	317	31,982
IDAOP1	1,441	32,347

From 1 to 32,482, where a rank of 1 indicates the most deprived LSOA in England and 32,482 indicates the least deprived

The most deprived LSOAs in Norfolk

A commonly used guideline in trying to describe the degree of deprivation in one local authority relative to another is the number or proportion of LSOAs in an area falling in the most deprived ten or twenty per cent in England (the CLG report presents tables based on the most deprived five, ten and 15 per cent). This varies somewhat between domains, both in the number of LSOAs meeting the criterion and in the particular LSOAs to be included.

As we indicated in the previous report, altogether 51 of the 530 Norfolk LSOAs were in the most deprived 20 per cent in England based on the IMD 2010; and of these, 29 were in the most deprived 10 per cent. All but a couple of these were in Great Yarmouth, King's Lynn & West Norfolk or Norwich. Great Yarmouth had more of the 10 per cent most deprived areas than any other Norfolk district, but Norwich had more of the 20 per cent most deprived. The number and location of the most deprived areas varies from one domain to another.

Index of Multiple Deprivation

The 29 LSOAs in Norfolk that are among the ten per cent most deprived in England are listed below. The first nine are in the most deprived five per cent; five of these are in Great Yarmouth including four in Nelson ward. On this basis Nelson ward is clearly the most deprived ward in Norfolk.

Table 2: Index of Multiple Deprivation – LSOAs in the most deprived ten per cent in England

LSOA CODE	WARD	LOCAL AUTHORITY	RANK OF IMD SCORE (where 1 is most deprived)
E01026625	Nelson	Great Yarmouth	201
E01026626	Nelson	Great Yarmouth	375
E01026624	Nelson	Great Yarmouth	471
E01026597	Central and Northgate	Great Yarmouth	513
E01026687	North Lynn	King's Lynn & West Norfolk	712
E01026622	Nelson	Great Yarmouth	1166
E01026827	Mancroft	Norwich	1172
E01026690	North Lynn	King's Lynn & West Norfolk	1299
E01026662	Fairstead	King's Lynn & West Norfolk	1564

LSOA CODE	WARD	LOCAL AUTHORITY	RANK OF IMD SCORE (where 1 is most deprived)
E01026623	Nelson	Great Yarmouth	1839
E01026666	Gaywood Chase	King's Lynn & West Norfolk	1942
E01026699	St Margarets with St Nicholas	King's Lynn & West Norfolk	1976
E01026635	Southtown and Cobholm	Great Yarmouth	2173
E01026848	Thorpe Hamlet	Norwich	2255
E01026467	Thetford-Abbey	Breckland	2295
E01026598	Central and Northgate	Great Yarmouth	2316
E01026603	Claydon	Great Yarmouth	2346
E01026619	Magdalen	Great Yarmouth	2556
E01026833	Mile Cross	Norwich	2590
E01026688	North Lynn	King's Lynn & West Norfolk	2631
E01026826	Mancroft	Norwich	2643
E01026604	Claydon	Great Yarmouth	2674
E01026793	Bowthorpe	Norwich	2685
E01026641	Yarmouth North	Great Yarmouth	2734
E01026704	South and West Lynn	King's Lynn & West Norfolk	2845
E01026808	Crome	Norwich	2976
E01026869	Wensum	Norwich	3043
E01026620	Magdalen	Great Yarmouth	3097
E01026867	Wensum	Norwich	3235

All the LSOAs in the table are in Great Yarmouth, Norwich or King's Lynn & West Norfolk with the exception of one in Breckland (part of Thetford-Abbey ward).

Domains of deprivation

Tables 3 to 9 give the Norfolk LSOAs in the most deprived ten per cent in the country for each of the seven domains. The number of LSOAs therefore varies from one domain to another – from ten for the Crime domain to 69 for the Barriers to Housing and Services domain. So in terms of the most LSOAs included in the most deprived ten per cent in England, these two domains come out as the 'least worst' and 'worst' in Norfolk respectively. On the other hand, if we look at the number of LSOAs in the most deprived one per cent nationally, by domain, the Education, Skills and Training domain has nine and Barriers to Housing and Services has five.

Great Yarmouth and Norwich had easily the highest number of LSOAs included in the most deprived on more than one domain, and had at least one LSOA included for all the domains. Broadland and South Norfolk only appeared on the Barriers to Housing and Services domain, and this was easily the most represented domain for Breckland and North Norfolk. Norwich had the most LSOAs (28) appearing on any domain (Education, Skills and Training). Breckland had six LSOAs in parts of Thetford and Swaffham in the most deprived ten per cent on the Education, Skills and Training domain.

County maps at LSOA level showing the ranges of ranks for the seven domains and two supplementary indices (IDACI and IDAOPI) will be available through Norfolk Insight.

The ranks and scores for all the LSOAs for all the indices, domains and sub-domains can be found on Norfolk Insight by following this link:

<http://www.norfolkinsight.org.uk/dataviews/view?viewId=120>

In addition the national deciles for each LSOA for each measure can be found here:

<http://www.norfolkinsight.org.uk/dataviews/view?viewId=119>

Table 3: Income domain – LSOAs in the most deprived ten per cent in England

LSOA CODE	WARD	LOCAL AUTHORITY	RANK OF INCOME SCORE (where 1 is most deprived)
E01026625	Nelson	Great Yarmouth	270
E01026622	Nelson	Great Yarmouth	375
E01026687	North Lynn	King's Lynn & West Norfolk	962
E01026597	Central and Northgate	Great Yarmouth	1151
E01026793	Bowthorpe	Norwich	1309
E01026624	Nelson	Great Yarmouth	1319
E01026641	Yarmouth North	Great Yarmouth	1353
E01026467	Thetford-Abbey	Breckland	1406
E01026662	Fairstead	King's Lynn & West Norfolk	1447
E01026626	Nelson	Great Yarmouth	1683
E01026666	Gaywood Chase	King's Lynn & West Norfolk	2095
E01026827	Mancroft	Norwich	2135
E01026808	Crome	Norwich	2165
E01026867	Wensum	Norwich	2195
E01026604	Claydon	Great Yarmouth	2233
E01026690	North Lynn	King's Lynn & West Norfolk	2240
E01026704	South and West Lynn	King's Lynn & West Norfolk	2261
E01026635	Southtown and Cobholm	Great Yarmouth	2363
E01026603	Claydon	Great Yarmouth	2528
E01026833	Mile Cross	Norwich	2611
E01026688	North Lynn	King's Lynn & West Norfolk	2680
E01026619	Magdalen	Great Yarmouth	2741
E01026620	Magdalen	Great Yarmouth	2885
E01026848	Thorpe Hamlet	Norwich	2929
E01026826	Mancroft	Norwich	2982
E01026868	Wensum	Norwich	3047

Table 4: Employment domain – LSOAs in the most deprived ten per cent in England

LSOA CODE	WARD	LOCAL AUTHORITY	RANK OF EMPLOYMENT SCORE (where 1 is most deprived)
E01026625	Nelson	Great Yarmouth	141
E01026597	Central and Northgate	Great Yarmouth	241
E01026626	Nelson	Great Yarmouth	285
E01026624	Nelson	Great Yarmouth	339
E01026687	North Lynn	King's Lynn & West Norfolk	419
E01026623	Nelson	Great Yarmouth	607
E01026699	St Margarets with St Nicholas	King's Lynn & West Norfolk	688
E01026622	Nelson	Great Yarmouth	780
E01026827	Mancroft	Norwich	793
E01026603	Claydon	Great Yarmouth	922
E01026604	Claydon	Great Yarmouth	987
E01026822	Mancroft	Norwich	988
E01026809	Crome	Norwich	1306
E01026690	North Lynn	King's Lynn & West Norfolk	1431
E01026848	Thorpe Hamlet	Norwich	1437
E01026641	Yarmouth North	Great Yarmouth	1564
E01026833	Mile Cross	Norwich	1633
E01026869	Wensum	Norwich	1694
E01026635	Southtown and Cobholm	Great Yarmouth	1697
E01026666	Gaywood Chase	King's Lynn & West Norfolk	1729
E01026826	Mancroft	Norwich	1733

LSOA CODE	WARD	LOCAL AUTHORITY	RANK OF EMPLOYMENT SCORE (where 1 is most deprived)
E01026662	Fairstead	King's Lynn & West Norfolk	1738
E01026700	St Margarets with St Nicholas	King's Lynn & West Norfolk	1759
E01026467	Thetford-Abbey	Breckland	1914
E01026619	Magdalen	Great Yarmouth	2187
E01026704	South and West Lynn	King's Lynn & West Norfolk	2286
E01026824	Mancroft	Norwich	2380
E01026620	Magdalen	Great Yarmouth	2462
E01026598	Central and Northgate	Great Yarmouth	2703
E01026688	North Lynn	King's Lynn & West Norfolk	2744
E01026734	Cromer Town	North Norfolk	2866
E01026800	Catton Grove	Norwich	2894
E01026854	Town Close	Norwich	3088
E01026680	Hunstanton	King's Lynn & West Norfolk	3195

Table 5: Health Deprivation and Disability domain – LSOAs in the most deprived ten per cent in England

LSOA CODE	WARD	LOCAL AUTHORITY	RANK OF HEALTH DEPRIVATION AND DISABILITY SCORE (where 1 is most deprived)
E01026827	Mancroft	Norwich	641
E01026625	Nelson	Great Yarmouth	1718
E01026699	St Margarets with St Nicholas	King's Lynn & West Norfolk	2062
E01026687	North Lynn	King's Lynn & West Norfolk	2084
E01026809	Crome	Norwich	2216
E01026690	North Lynn	King's Lynn & West Norfolk	2390
E01026626	Nelson	Great Yarmouth	2511
E01026822	Mancroft	Norwich	2680
E01026597	Central and Northgate	Great Yarmouth	2834
E01026848	Thorpe Hamlet	Norwich	3167
E01026698	St Margarets with St Nicholas	King's Lynn & West Norfolk	3178
E01026826	Mancroft	Norwich	3190
E01026824	Mancroft	Norwich	3230

Table 6: Education, Skills and Training domain – LSOAs in the most deprived ten per cent in England

LSOA CODE	WARD	LOCAL AUTHORITY	RANK OF EDUCATION SKILLS AND TRAINING SCORE (where 1 is most deprived)
E01026868	Wensum	Norwich	106
E01026832	Mile Cross	Norwich	122
E01026662	Fairstead	King's Lynn & West Norfolk	131
E01026793	Bowthorpe	Norwich	182
E01026467	Thetford-Abbey	Breckland	201
E01026833	Mile Cross	Norwich	239
E01026828	Mile Cross	Norwich	246
E01026867	Wensum	Norwich	250
E01026625	Nelson	Great Yarmouth	258
E01026688	North Lynn	King's Lynn & West Norfolk	390

LSOA CODE	WARD	LOCAL AUTHORITY	RANK OF EDUCATION SKILLS AND TRAINING SCORE (where 1 is most deprived)
E01026620	Magdalen	Great Yarmouth	480
E01026865	Wensum	Norwich	528
E01026690	North Lynn	King's Lynn & West Norfolk	544
E01026808	Crome	Norwich	594
E01026687	North Lynn	King's Lynn & West Norfolk	628
E01026666	Gaywood Chase	King's Lynn & West Norfolk	683
E01026834	Mile Cross	Norwich	737
E01026805	Crome	Norwich	739
E01026622	Nelson	Great Yarmouth	745
E01026704	South and West Lynn	King's Lynn & West Norfolk	755
E01026619	Magdalen	Great Yarmouth	800
E01026820	Lakenham	Norwich	883
E01026798	Catton Grove	Norwich	907
E01026869	Wensum	Norwich	924
E01026803	Crome	Norwich	959
E01026624	Nelson	Great Yarmouth	1033
E01026821	Lakenham	Norwich	1184
E01026598	Central and Northgate	Great Yarmouth	1279
E01026597	Central and Northgate	Great Yarmouth	1301
E01026641	Yarmouth North	Great Yarmouth	1312
E01026799	Catton Grove	Norwich	1317
E01026626	Nelson	Great Yarmouth	1390
E01026819	Lakenham	Norwich	1394
E01026635	Southtown and Cobholm	Great Yarmouth	1410
E01026459	Swaffham	Breckland	1625
E01026478	Thetford-Saxon	Breckland	1663
E01026809	Crome	Norwich	1760
E01026455	Swaffham	Breckland	1854
E01026818	Lakenham	Norwich	1864
E01026827	Mancroft	Norwich	1872
E01026861	University	Norwich	1885
E01026699	St Margarets with St Nicholas	King's Lynn & West Norfolk	2005
E01026633	Southtown and Cobholm	Great Yarmouth	2110
E01026476	Thetford-Saxon	Breckland	2119
E01026603	Claydon	Great Yarmouth	2253
E01026791	Bowthorpe	Norwich	2359
E01026634	Southtown and Cobholm	Great Yarmouth	2439
E01026680	Hunstanton	King's Lynn & West Norfolk	2490
E01026796	Bowthorpe	Norwich	2504
E01026775	Stalham and Sutton	North Norfolk	2569
E01026477	Thetford-Saxon	Breckland	2576
E01026844	Sewell	Norwich	2699
E01026623	Nelson	Great Yarmouth	2721
E01026604	Claydon	Great Yarmouth	2756
E01026595	Central and Northgate	Great Yarmouth	2768
E01026830	Mile Cross	Norwich	2796
E01026800	Catton Grove	Norwich	2804
E01026858	University	Norwich	2829
E01026711	Spellowfields	King's Lynn & West Norfolk	3022
E01026663	Fairstead	King's Lynn & West Norfolk	3159
E01026829	Mile Cross	Norwich	3160

Table 7: Barriers to Housing and Services domain – LSOAs in the most deprived ten per cent in England

LSOA CODE	WARD	LOCAL AUTHORITY	RANK OF BARRIERS TO HOUSING AND SERVICES SCORE (where 1 is most deprived)
E01026780	The Raynhams	North Norfolk	239
E01026444	Mid Forest	Breckland	260
E01026787	Wensum	North Norfolk	267
E01026765	Priory	North Norfolk	271
E01026943	Thurlton	South Norfolk	290
E01026440	Harling and Heathlands	Breckland	384
E01026786	Waxham	North Norfolk	450
E01026453	Springvale and Scarning	Breckland	524
E01026485	Upper Yare	Breckland	553
E01026739	Glaven Valley	North Norfolk	595
E01026877	Bunwell	South Norfolk	605
E01026525	Great Witchingham	Broadland	674
E01026740	Happisburgh	North Norfolk	705
E01026524	Great Witchingham	Broadland	889
E01026609	Fleggburgh	Great Yarmouth	904
E01026717	Upwell and Delph	King's Lynn & West Norfolk	913
E01026768	Scottow	North Norfolk	940
E01026767	Scottow	North Norfolk	1003
E01026491	Wayland	Breckland	1009
E01026733	Corpusty	North Norfolk	1118
E01026769	St Benet	North Norfolk	1147
E01026732	Chaucer	North Norfolk	1282
E01026719	Walpole	King's Lynn & West Norfolk	1364
E01026511	Brundall	Broadland	1404
E01026539	Marshes	Broadland	1406
E01026727	Wimbotsham with Fincham	King's Lynn & West Norfolk	1438
E01026438	Haggard de Toni	Breckland	1459
E01026729	Astley	North Norfolk	1480
E01026878	Bunwell	South Norfolk	1596
E01026442	Hermitage	Breckland	1605
E01026728	Wissey	King's Lynn & West Norfolk	1608
E01026738	Gaunt	North Norfolk	1635
E01026495	Wissey	Breckland	1675
E01026874	Bressingham and Burston	South Norfolk	1678
E01026716	Upwell and Delph	King's Lynn & West Norfolk	1695
E01026651	Denton	King's Lynn & West Norfolk	1773
E01026795	Bowthorpe	Norwich	1784
E01026695	Rudham	King's Lynn & West Norfolk	1791
E01026522	Eynesford	Broadland	1817
E01026782	Walsingham	North Norfolk	1851
E01026424	Conifer	Breckland	1877
E01026788	Wensum	North Norfolk	1882
E01026904	Hempnall	South Norfolk	1901
E01026789	Worstead	North Norfolk	1956
E01026534	Hevingham	Broadland	2105
E01026897	Forncett	South Norfolk	2153
E01026636	West Flegg	Great Yarmouth	2246
E01026935	Scole	South Norfolk	2351
E01026482	Upper Wensum	Breckland	2358
E01026419	All Saints	Breckland	2436
E01026896	Easton	South Norfolk	2457
E01026752	Mundesley	North Norfolk	2530
E01026460	Swanton Morley	Breckland	2535

LSOA CODE	WARD	LOCAL AUTHORITY	RANK OF BARRIERS TO HOUSING AND SERVICES SCORE (where 1 is most deprived)
E01026766	Roughton	North Norfolk	2604
E01026694	Priory	King's Lynn & West Norfolk	2616
E01026656	Docking	King's Lynn & West Norfolk	2648
E01026496	Wissey	Breckland	2749
E01026894	Earsham	South Norfolk	2766
E01026643	Airfield	King's Lynn & West Norfolk	2858
E01026533	Hevingham	Broadland	2869
E01026947	Wicklewood	South Norfolk	2877
E01026612	Gorleston	Great Yarmouth	2984
E01026483	Upper Wensum	Breckland	3084
E01026545	Plumstead	Broadland	3105
E01026885	Cromwells	South Norfolk	3138
E01026535	Horsford and Felthorpe	Broadland	3171
E01026737	Erpingham	North Norfolk	3172
E01026504	Blofield with South Walsham	Broadland	3212
E01026790	Worstead	North Norfolk	3236

Table 8: Crime domain – LSOAs in the most deprived ten per cent in England

LSOA CODE	WARD	LOCAL AUTHORITY	RANK OF CRIME SCORE (where 1 is most deprived)
E01026626	Nelson	Great Yarmouth	92
E01026598	Central and Northgate	Great Yarmouth	420
E01026624	Nelson	Great Yarmouth	1013
E01026623	Nelson	Great Yarmouth	1015
E01026824	Mancroft	Norwich	1949
E01026868	Wensum	Norwich	1977
E01026826	Mancroft	Norwich	2741
E01026625	Nelson	Great Yarmouth	2946
E01026597	Central and Northgate	Great Yarmouth	3007
E01026793	Bowthorpe	Norwich	3061

Table 9: Living Environment domain – LSOAs in the most deprived ten per cent in England

LSOA CODE	WARD	LOCAL AUTHORITY	RANK OF LIVING ENVIRONMENT SCORE (where 1 is most deprived)
E01026624	Nelson	Great Yarmouth	1009
E01026626	Nelson	Great Yarmouth	1135
E01026734	Cromer Town	North Norfolk	1669
E01026831	Mile Cross	Norwich	1720
E01026597	Central and Northgate	Great Yarmouth	1736
E01026841	Sewell	Norwich	1881
E01026634	Southtown and Cobholm	Great Yarmouth	1896
E01026846	Sewell	Norwich	1929
E01026598	Central and Northgate	Great Yarmouth	1942
E01026619	Magdalen	Great Yarmouth	2029
E01026689	North Lynn	King's Lynn & West Norfolk	2270
E01026635	Southtown and Cobholm	Great Yarmouth	2393
E01026621	Magdalen	Great Yarmouth	2478
E01026837	Nelson	Norwich	2504

LSOA CODE	WARD	LOCAL AUTHORITY	RANK OF LIVING ENVIRONMENT SCORE (where 1 is most deprived)
E01026633	Southtown and Cobholm	Great Yarmouth	2741
E01026851	Thorpe Hamlet	Norwich	2920

Other indices – IDACI and IDAOPI

The following two tables present the same information for the indices of income deprivation affecting children and older people, IDACI and IDAOPI. The number of LSOAs included and the severity of the deprivation is clearly more marked in the case of income deprivation affecting children. For IDACI all the LSOAs listed are in Great Yarmouth, King's Lynn & West Norfolk or Norwich except for one in part of Thetford Abbey ward. For IDAOPI the LSOAs were all in one of the above three Districts.

Table 10 Income Deprivation Affecting Children index – LSOAs in the most deprived ten per cent in England

LSOA CODE	WARD	LOCAL AUTHORITY	Rank of IDACI (where 1 is most deprived)
E01026622	Nelson	Great Yarmouth	317
E01026793	Bowthorpe	Norwich	485
E01026625	Nelson	Great Yarmouth	501
E01026822	Mancroft	Norwich	829
E01026867	Wensum	Norwich	892
E01026597	Central and Northgate	Great Yarmouth	1150
E01026626	Nelson	Great Yarmouth	1169
E01026868	Wensum	Norwich	1191
E01026624	Nelson	Great Yarmouth	1558
E01026467	Thetford-Abbey	Breckland	1571
E01026808	Crome	Norwich	1633
E01026595	Central and Northgate	Great Yarmouth	1840
E01026829	Mile Cross	Norwich	1919
E01026859	University	Norwich	2040
E01026641	Yarmouth North	Great Yarmouth	2187
E01026687	North Lynn	King's Lynn & West Norfolk	2234
E01026662	Fairstead	King's Lynn & West Norfolk	2235
E01026865	Wensum	Norwich	2318
E01026826	Mancroft	Norwich	2522
E01026666	Gaywood Chase	King's Lynn & West Norfolk	2528
E01026690	North Lynn	King's Lynn & West Norfolk	2568
E01026848	Thorpe Hamlet	Norwich	2569
E01026818	Lakenham	Norwich	2571
E01026600	Claydon	Great Yarmouth	2585
E01026635	Southtown and Cobholm	Great Yarmouth	2647
E01026704	South and West Lynn	King's Lynn & West Norfolk	2946
E01026833	Mile Cross	Norwich	2989
E01026861	University	Norwich	3062
E01026819	Lakenham	Norwich	3133

Table 11 Income Deprivation Affecting Older People index – LSOAs in the most deprived ten per cent in England

LSOA CODE	WARD	LOCAL AUTHORITY	Rank of IDAOPI (where 1 is most deprived)
E01026622	Nelson	Great Yarmouth	1441
E01026826	Mancroft	Norwich	1642
E01026827	Mancroft	Norwich	1676
E01026865	Wensum	Norwich	1704
E01026625	Nelson	Great Yarmouth	1710
E01026824	Mancroft	Norwich	2120
E01026620	Magdalen	Great Yarmouth	2270
E01026641	Yarmouth North	Great Yarmouth	2337
E01026854	Town Close	Norwich	2519
E01026848	Thorpe Hamlet	Norwich	2845
E01026808	Crome	Norwich	2982
E01026687	North Lynn	King's Lynn & West Norfolk	3160
E01026619	Magdalen	Great Yarmouth	3178
E01026828	Mile Cross	Norwich	3226

Estimates of numbers and proportions of people deprived

For the Income and Employment deprivation domain scores, and the IDACI and IDAOPI scores, the figures represent the numbers of people affected on each measure, and so can be used to calculate the proportion of people affected and can also be summed to larger areas such as local authorities.

At the time of writing this can be done for the Income domain and IDACI. It cannot yet be done for the Employment domain without the numbers for population at risk aged 18 to 64(M)/59(F), or IDAOPI without the numbers aged 60 and over at the level of LSOA. Note that population at risk excludes prisoners (these will obviously be nil in the vast majority of LSOAs).

Table 12 gives the results for the Income Deprivation domain. Around 109,800 of the Norfolk population – about one in eight – were income deprived, the proportions of the population ranging from 19.1% in Great Yarmouth to 8.3% in Broadland.

Table 12: Income deprived population (Income domain)

	INCOME SCORE	Population all ages, revised 2008	Income deprived population
Breckland	11.3%	129,200	14,600
Broadland	8.3%	122,700	10,200
Great Yarmouth	19.1%	95,900	18,300
King's Lynn and West Norfolk	13.7%	142,600	19,600
North Norfolk	12.2%	101,500	12,400
Norwich	17.6%	137,300	24,100
South Norfolk	9.0%	118,100	10,600
Norfolk	13.0%	847,300	109,800

Source for population estimates: ONS revised mid-2008 estimates, May 2010

Table 13: Children in income deprived families (Income deprivation affecting children index)

	IDACI score	Population age 0-15 revised 2008	Income deprived children
Breckland	14.7%	23,000	3,400
Broadland	10.5%	21,000	2,200
Great Yarmouth	26.8%	16,700	4,500
King's Lynn and West Norfolk	18.6%	25,100	4,700
North Norfolk	16.3%	15,300	2,500
Norwich	31.9%	20,400	6,500
South Norfolk	10.9%	21,400	2,300
Norfolk	18.2%	143,000	26,100

Source for population estimates: ONS revised mid-2008 estimates, May 2010

Table 13 gives the results for the Income Deprivation Affecting Children Index (IDACI). Around 26,100 Norfolk children – between one in five and one in six – were living in income deprived families, the proportions of the population ranging from 31.9% in Norwich to 10.5% in Broadland.

It is quite significant that getting on for one child in three in Norwich is directly affected by income deprivation. Among the Norwich population as a whole income deprivation, although high, is at a lower rate than Great Yarmouth.

As a part of this phase of analysis we have calculated IDACI scores for all 326 local authorities in England – please contact us for further information.

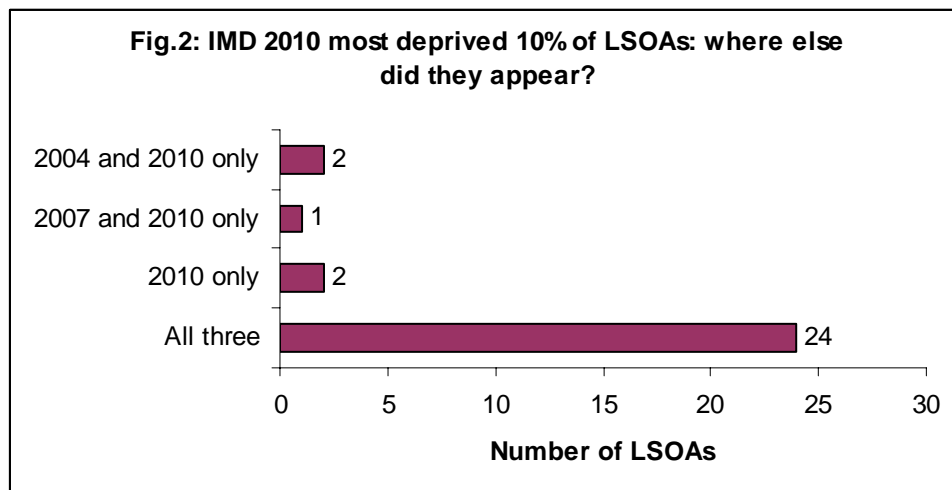
Real and relative change in deprivation between ID2004, ID2007 and ID2010

The ID2010 and ID2007 are direct updates of the Indices of Deprivation 2004 (ID2004) and the same seven domains of deprivation and geographical units of analysis (LSOAs) are used in all three. Most of the component indicators within each domain have remained the same or very similar. It is however wise to be aware of factors that complicate any analysis of the change in deprivation between these Indices.

- There have necessarily been some changes to the component indicators, for example owing to various changes to the benefits and tax credit systems over the period
- The denominators used within many of the component indicators have been rebased over time, for example the availability of ONS population estimates at LSOA level for ID2007 and the several revisions to ONS estimates resulting from methodological improvements since the ID2004 was constructed
- Any observed change in the level of deprivation in an area between the three indices could be due either to real change or change caused by the redefinition of indicators or the rebasing of population denominators.

In general the changes in deprivation are relative. An area where a deprivation measure has 'improved' may have either shown a real improvement or an improvement relative to other areas, and it is not possible to identify which applies. An exception is where the domain scores stand for actual numbers (such as the Income Domain): here we can be certain that a lower score translates directly as a lower number of income deprived people. It may be, of course, that other areas have 'improved' more markedly.

In **Figure 2** we look at the most deprived decile of ID2010 in Norfolk using the IMD 2010 and how the LSOAs of that decile were ranked in the two preceding indices.



There are 29 Norfolk LSOAs in the most deprived ten per cent in England, and there has been relatively little shift in this pattern over the period: 24 of them are in the most deprived ten per cent in all three Indices. (In addition to the one or two others shown in the chart, there were three in ID2004 only, and one in ID2004 and ID2007 only).

Mapping domains and indices

We have produced a series of ten maps to show the Norfolk-wide distribution for the IMD, the seven domains and the two additional indices. The LSOAs are mapped in five ranges, from those in the most deprived 20 per cent in England to those in the least deprived 20 per cent. These will be available through Norfolk Insight at <http://www.norfolkinsight.org.uk/deprivation>

For any other information about Norfolk and links to other sources, contact Ian Coldicott (Tel: 01603 222732) in Performance, Planning and Partnerships, Resources Directorate, email demography@norfolk.gov.uk or visit the population section of Norfolk Insight www.norfolkinsight.org.uk/population.

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