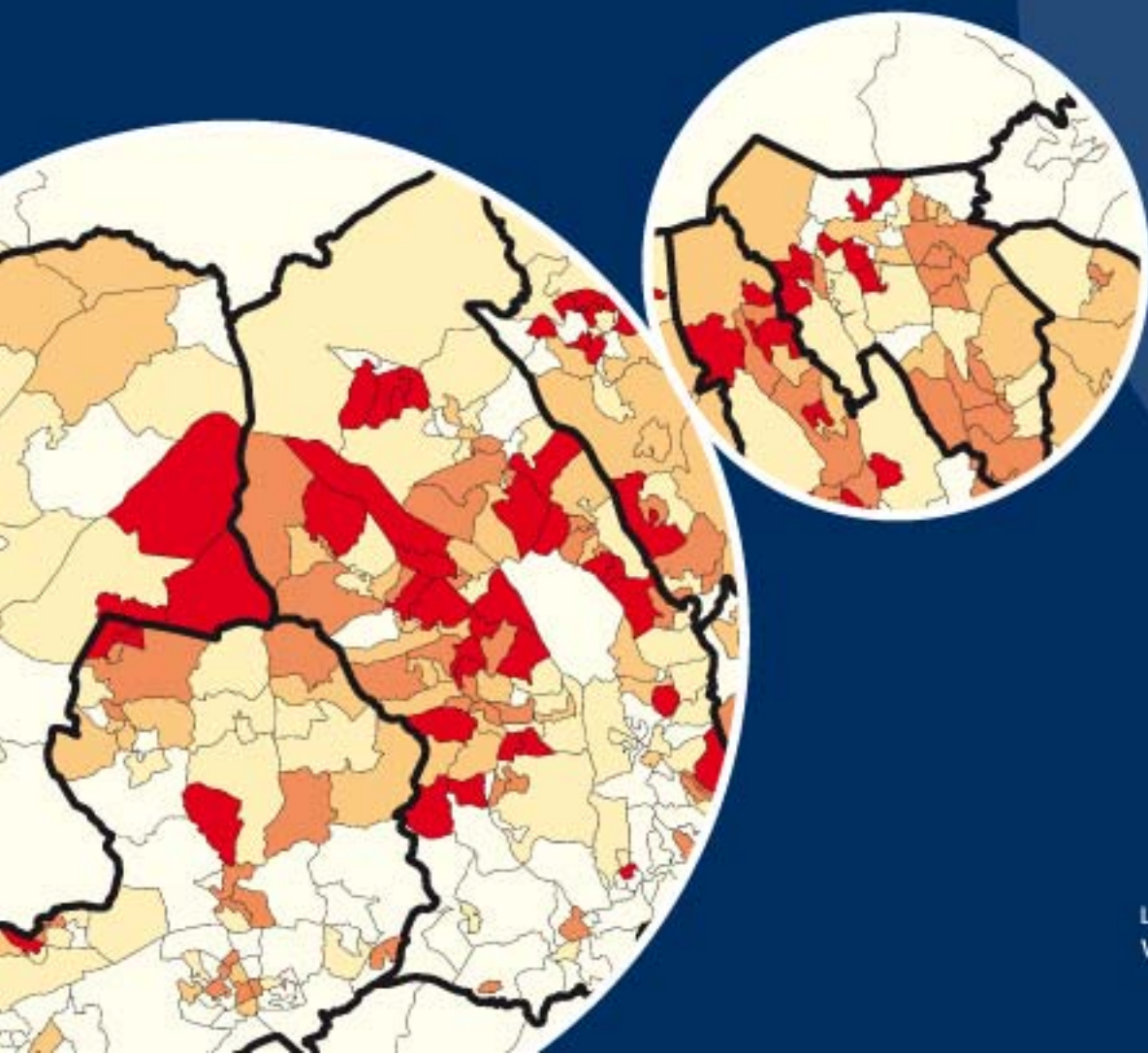
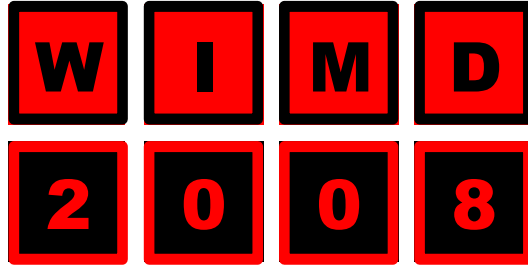


Welsh Index of Multiple Deprivation (WIMD) 2008

Summary Report





Welsh Index of Multiple Deprivation

Welsh Index of Multiple Deprivation 2008

Summary Report

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summary

The Welsh Index of Multiple Deprivation 2008 (WIMD) is the official measure of deprivation for small areas in Wales. It was developed for the Welsh Assembly Government by the Assembly's Statistical Directorate and the Local Government Data Unit (Wales). It replaces the index which was produced in 2005.

multiple deprivation

Deprivation is a wider concept than poverty. Poverty means not having enough money (or other essentials) to get by. Deprivation refers to problems caused by a general lack of resources and opportunities (not just money).

Multiple deprivation, in the sense that it is used for the WIMD, cannot be measured directly—it is not some special sort of deprivation. It is a mixture of separate kinds of deprivation, each of which can be measured to some extent. But they cannot just be added together to make an overall index because they may interact and have more impact if found in certain combinations.

index

An index is group of separate measurements which are combined into a single number. They are designed to show changes in a complicated variable like intelligence or industrial output. Values of the index can be compared with each other, sometimes over time and sometimes for different geographical areas.

For example, the Retail Price Index (RPI) is a well-known index based on the prices of goods bought by an average household. It includes everything from food and housing to entertainment. The RPI is used to measure changes in the cost of living.

Indexes are easy to work out and to understand. The problem is in deciding what to include and how much importance to give it—opinions could vary on both, and often do.

construction of the WIMD

The WIMD 2008 is made up of eight separate domains (or kinds) of deprivation:

- income
- employment
- health
- education
- housing
- access to services
- environment
- community safety

Each of them was based on a range of different indicators which meant that they were measured in different ways using different units. So before they could be combined the measurements had to be transformed to make them compatible. For example, if the height of something had been measured in metres and the weight in kilograms it would not make sense simply to add them together.

Income and employment were classed as the most important factors, and they were given the biggest weighting in the overall index. Although there is more to deprivation than poverty, not having enough money or a job is a big part of it.

England and Wales have been divided into Super Output Areas (SOA) each having roughly the same population. There are three levels: Lower Layer (the smallest), Middle Layer, and Upper Layer (the largest). There are 1,896 Lower Layer Super Output Areas in Wales each having about 1,500 people. Deprivation scores have been worked out for each of these areas: higher scores mean more deprivation. An area has a higher deprivation score than another one if the proportion of people living there who are classed as deprived is higher. An area itself is not deprived: it is the circumstances and lifestyles of the people living there that affect its deprivation score. And it is important to remember that not everyone living in a deprived area is deprived—and that not all deprived people live in deprived areas.

what is the WIMD for?

It is important to be aware that the WIMD is not the only way to measure deprivation. WIMD has been developed for a particular purpose which is to measure concentrations of deprivation at a small area level. In trying to use the index there are two important questions to ask yourself:

- “am I interested in localised concentrations of deprivation or all deprived people?”;
- “is deprivation actually concentrated in my area of interest?”.

An analysis of the WIMD 2008 income and employment domains can illustrate these two issues.

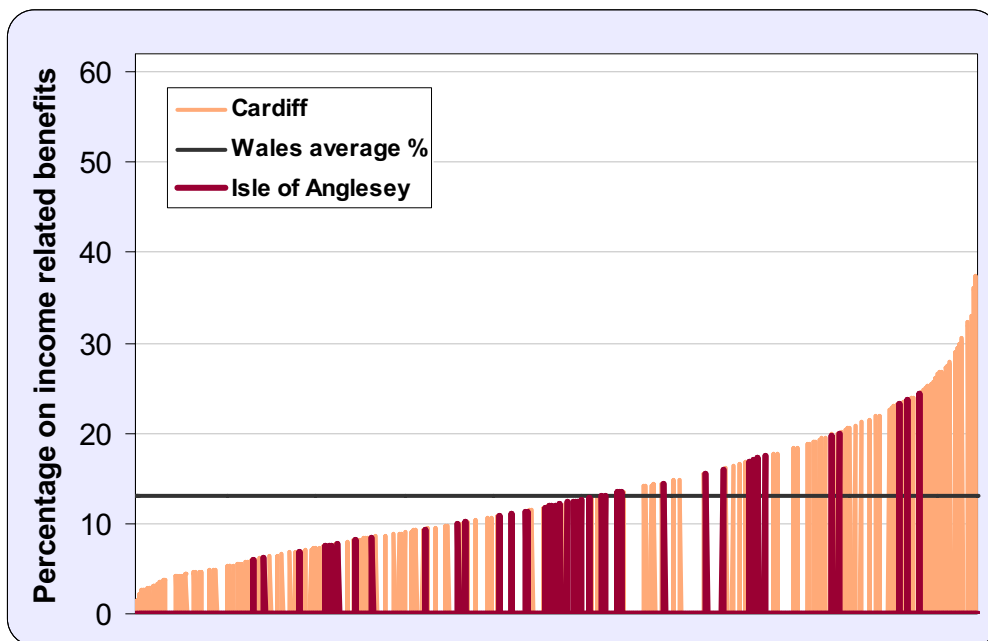
While there is a definite concentration of deprivation into a relatively small number of areas, by no means all deprived people live in an area of high deprivation. A fifth of the income deprived live in areas within the most deprived 10% in Wales. This illustrates how well WIMD identifies clusters from within the overall population. Almost half live in the most deprived 30%, but that still means that around a half of the income deprived in Wales are more sparsely spread over the remaining 70% of Wales. And even in the least deprived 10% of LSOAs there are still deprived people.

Table 1: Percentage of the deprived population living with different groupings of LSOAs, WIMD 2008

	Income domain	Employment domain
Most deprived 10% LSOAs	20%	20%
Most deprived 20% LSOAs	35%	35%
Most deprived 30% LSOAs	49%	48%
Least deprived 10% LSOAs	3%	4%

For WIMD 2008, the percentage on income related benefits in Wales was 13.1 per cent overall, and for Cardiff the figures was 13.2 per cent and 12.9 per cent in the Isle of Anglesey. So in terms of overall levels of income deprivation, both Cardiff and the Isle of Anglesey were comparable and also similar to the overall Wales average. However, as can be seen in Chart 1, the distribution of income deprivation within each local authority was quite different. While there was still a big difference between the most and least deprived LSOAs in the Isle of Anglesey, there was nothing like the range of variation seen in Cardiff. In particular, there were no LSOAs in Anglesey at the very extremes.

Chart 1: Percentage on income related benefits by LSOA, ranked position in Wales, WIMD 2008



WIMD is suited to uses where the interest is in areas with high concentrations of deprivation. If all deprived individuals are the focus of attention then a different approach is needed, however, it is still going to be based on the same or similar indicators. In other words, WIMD is a way of combining deprivation measures for a particular purpose.

uses of the index

The index can be used for:

- ranking the scores for all 1,896 LSOAs or for a group of them (like those in a local authority), so that the LSOAs can be put in order from the most deprived to the least;
- comparing two or more local authorities (or other groups of aggregated LSOAs) by looking at the proportion of the LSOAs in the local authority in the most deprived (say) ten per cent in all of Wales;
- giving an overall deprivation rank or score for each of the 1,896 Lower Layer SOAs in Wales;
- giving ranks or scores for the separate deprivation domains for each of the Lower Layer SOAs;
- comparing the deprivation ranks or scores for two or more of the Lower Layer SOAs;

WIMD 2005 has actually been used for the following:

- The 100 most deprived electoral divisions in Wales as identified in the 2000 Index were included among the original 142 Communities First areas. The remaining 42 areas comprised 32 pockets of deprivation and 10 communities of interest - the cases for which drew heavily on evidence from the 2000 Index. Following the publication of WIMD 2005, a consultation exercise was launched on how the results could best be used and any possible expansion of the existing programme. 46 Lower Super Output Areas (LSOAs) in the top 10% of deprivation on the new index were identified as outside the existing Communities First footprint. The Minister invited the 46 new areas to apply for inclusion in the Communities

First Programme in consultation with the local community by 30 March 2007. Submissions for all the prospective new areas have been received and are currently being considered, or have requested additional time to prepare a more detailed proposal, for inclusion as Communities First areas. Additionally, 2 LSOAs ranked in the top 10% of deprivation but which contained only an existing pocket of deprivation have submitted proposals to extend their area of operation. All of the invited areas have now been formally included within the programme.

- In the calculation of Standard Spending Assessments (SSAs) for the 22 unitary authorities. Just under 1 per cent of the total SSA is allocated on the basis of the overall index, but focussing on the most deprived areas. Around 25 per cent is allocated on the basis of other measures related to deprivation and 6 per cent on sparsity measures. Following a review of the formula, WIMD will not form part of the SSAs for 2009-10 onwards.
- The deprivation grant uses the most deprived areas, as defined by the overall index scores from WIMD 2000, to allocate this funding to the 22 unitary authorities. A review of the formula is being considered for inclusion in the Distribution Sub-Group work programme for 2008 and 2009.
- The education domain of WIMD is used to provide a deprivation uplift for funding allocations within the National Planning and Funding System. This uplift is designed to cover the additional cost of widening provision and delivering provision to those from educationally deprived backgrounds. The funding model applies the uplift to provision undertaken by learners residing in areas that are ranked in the top three deciles of the educational domain of the Welsh Index of Multiple Deprivation.
- The 'Flying Start' programme used the overall index values from WIMD 2005, ranked within each local authority, as a means to assess nominations for participating school catchment areas. Other information was also taken into account in assessing the nominations.
- The overall index, but with the health domain excluded, has been used to assess the progress of health gain targets across different levels of deprivation. This has been done by breaking down Wales level data into areas that fall within each of the quintiles of the WIMD distribution (that is, into five equal groups from the fifth most deprived down to the fifth least deprived).
- OFWAT have used the index for looking at the relationship between deprivation and levels of debt.
- The Lottery Fund have used the overall index to help allocate funds to deprived areas.
- More generally, WIMD has been used as supporting evidence in bids for European funding, targeting local service delivery and in analysis of the links between localised deprivation and various problems (such as health issues).

The index is not the only deprivation measure used for funding allocations. A number of Welsh Assembly Government grant allocations are based on formulae that use other measures of deprivation (ones not designed to identify concentrations) as well as measures of sparsity. For income and employment it is possible to get the numbers of people classed as deprived living in an area (as well as a deprivation score). For the other six deprivation domains only the scores are available (because they are worked out using a range of indicators rather than just numbers of people). The data on which the index is based can be used to check for changes over time.

limitations of the index

There are several ways in which it is tempting to use the index, but which do not really make sense or which lead to unreliable results.

Tiny differences in the deprivation scores do not mean anything. There's no point rummaging among the decimal places trying to show that one SOA is more deprived than another.

You cannot say how much more deprived one SOA is than another. If area A has a score of 40 and area B one of 20, it does not follow that A is twice as deprived as B. Or if A were ranked as the 100th most deprived area and B the 300th, it does not follow that A is three times more deprived than B. There can be a strong temptation jump to conclusions like these, but they are definitely wrong.

It is an index of deprivation not affluence. If one area is much lower down the ranked list than another then you can say that it is less deprived but you cannot say it is more affluent. The index is not based on the factors which mean that a place is affluent. Every area has people who are deprived and people who are affluent, but the index counts only those classed as deprived. It makes no difference whether the rest are nearly deprived but not quite, fairly well-off, or really rich. The deprivation scores from the 2008 index cannot be compared with those from 2005. The parts that make up the index are different, and the indexes were worked out in different ways. But even without these changes comparisons would still not be valid. An area's score is affected by the scores of every other area; so it is impossible to tell whether a change in score is a real change in the deprivation level of an area, or whether it is a relative change due to the scores of other areas going up or down.

The deprivation scores cannot be compared with those from the deprivation indexes of other UK countries. To be able to compare an area in Wales with one in (say) England would mean having to design a joint England and Wales index—having two separate indexes would not work. There are no official local authority deprivation scores. Local authority scores can be worked out—but there are several ways to do it, and there is no single obviously right way to do it.

looking at changes over time

As mentioned above, it is not sensible to compare changes in ranks of individual LSOAs, but it may be useful to look at changes in broad groups. General convention, as used in the domain chapters, is to look at changes in five main groups.

The diagonal in bold shows the LSOAs that have not changed groups since WIMD 2005. Looking to the left of this diagonal shows the LSOAs that have changed to a more deprived group in WIMD 2008. Looking to the right of the diagonal shows the LSOAs that have changed to a less deprived group in WIMD 2008. The further right or further down you read the less deprived the group.

For example, if an LSOA ranked 550 in WIMD 2005 now ranks 580 in WIMD 2008 it would be in the cell that is 3 up and 2 across from the bottom right hand corner of the table. Similarly, if an LSOA is in the cell that is 4 up and 3 across from the bottom right hand corner of the table it was in the 10-20% most deprived group in WIMD 2005 but is now in the 20-30% most deprived group in WIMD 2008.





development of the index

introduction

Over the past forty years the development of indexes to measure deprivation at the local level has been regarded as an important feature of government policy, mainly for the identification of priority areas to focus programmes more effectively. Originally these indexes were designed for specific policy areas; for example, health or education. But over the past two decades the concept of an index of multiple deprivation at the local level has become increasingly significant. The availability of electronic small area data (particularly the Census) contributed to this development.

The Welsh Index of Socio-Economic Conditions was originally prepared for targeting urban regeneration funds, and so did not specifically reflect rural deprivation. It was developed in the 1980s and used eight ward-level indicators. Newer methodologies and sources of data made it possible to model deprivation at the small area level with greater reliability. In 1999 the (then) Welsh Office in partnership with the Welsh Local Government Association awarded a contract to Oxford University to develop a Welsh Index of Multiple Deprivation.

The Welsh Index of Multiple Deprivation 2000 was designed to model levels of deprivation in Wales and support the objective targeting of resources. It used a more sophisticated methodology than the earlier Index of Socio-Economic Conditions and was based on more representative measures of deprivation at the small area level, some of which used administrative data from new sources.

The 2000 index was replaced by the Welsh Index of Multiple Deprivation 2005. This new index was produced in house in a partnership between the Welsh Assembly Government and the Local Government Data Unit ~Wales. The index was based on similar methodology to the previous index and was more transparent and easier to understand (so that users could understand how the values were derived). It was based on a new geography called Super Output Areas (SOAs), see annex B for more details.

the Welsh Index of Multiple Deprivation 2008

To take forward the task of considering indicators for WIMD 2008, seven separate domain working groups were established:

- Income & Employment
- Education, Skills and Training
- Health
- Access to Services
- Housing
- Physical Environment
- Community Safety

Members of these groups were drawn from a wide range of organisations with relevant expertise in the topic area. Each domain working group was tasked with examining the issues outstanding from

WIMD 2005 plus any developments in the availability of data, and with producing recommendations for possible indicators for WIMD 2008.

As part of the WIMD project, a Project Board and Advisory Group were also formed. The composition of the project board reflects the key stakeholders' interests in the project. The Advisory Group includes those with expertise in the possible techniques to employ, as well as the usage and the implications arising from the use of an Index.

Alongside this process, the Welsh Assembly Government Statistical Directorate and the Local Government Data Unit ~ Wales hold six-monthly meeting with colleagues from the other 3 UK nations to share experiences. In this way developments in the other 3 nations, including relevant research projects, have been fed into the domain working group process in Wales.

The document '*Welsh Index of Multiple Deprivation (WIMD) – Consultation on the proposed indicators for updating WIMD*' was published at the start of the formal consultation on 11th June 2007. Consultation lasted for a period of 12 weeks, closing on 7th September 2007. The document detailed then current thinking on which domains will be included for 2008 as well as the indicators for each domain. The most notable item for consultation was the inclusion of a new domain covering Community Safety (which was considered for 2005 but was not included due to data quality issues).

The document '*Welsh Index of Multiple Deprivation (WIMD) 2008 – Response to the consultation on the proposed indicators for updating WIMD*' was published in November 2007. The document responded to suggestions and concerns raised in the consultation responses and detailed changes made in light of these responses. It also highlighted outstanding issues and gave a summary of indicators for WIMD 2008 by domain.

Following the consultation and implementing the changes mentioned above, there have been further changes to proposed indicators and in the methodology used.

- Shrinkage was removed from the Health domain as further analysis showed that its removal had generally little effect on the results and where there was an effect the unshrunk data provided a more sensible outcome. (It was already proposed that shrinkage be removed from the education domain).
- A six year average for SAPE population estimate figures were used when age-sex standardising the Cancer rate and Death rate indicators in the Health Domain. This is to ensure that the 10-year data used for cancer and death numbers more closely match the population denominator (currently only 6 years LSOA population data are available).
- The Proportion of people aged 16-17 not in Further Education or Work-Based Learning indicator has not been included in the Education domain due to Factor Analysis resulting in a negative weighting. The weight was also close to zero and hence the Factor Analysis was suggesting that this variable had little to contribute to the overall domain.
- The Participants on New Deal for those aged 50+ has not been included in the Employment domain due to difficulties in obtaining the required data. However, the number on this New Deal scheme that are not already captured in Jobseekers Allowance are very small.
- The response to consultation document highlighted that there remained a decision to make on the use of thresholds or average times for the Access to Services indicators. It has been decided to use average times to calculate the indicator values because this provides a better measure for comparing areas.

- The Ground Movement Risk indicator has not been included in the Physical Environment domain as it was not possible to define the indicator in such a way that it was compatible with the Flood Risk indicator already in the domain.
- The final decision was that, on balance, WIMD 2008 would be more robust with the previous Housing domain retained than it would be with no Housing domain. However, work is ongoing to ensure a wider choice of indicators for future updates.





multiple deprivation

introduction

Multiple deprivation has sometimes been thought of as a separate form of deprivation; one which could, in theory, be directly measured. It only required the discovery of a suitable metric, followed by a straightforward aggregation of a set of deprivation components. That is, calculating deprivation in the same way that a person's wealth might be worked out by adding up all their separate assets.

multiple deprivation

It is now generally accepted that multiple deprivation is a complex concept and not some separate form of deprivation. It is simply a combination of more specific forms of deprivation, which themselves can be directly measured to some extent. A key issue is whether combinations of these different forms of deprivation interact synergistically; that is, that they are not simply additive but have more impact if found in certain combinations.

This model of multiple deprivation not being a specific kind of deprivation is consistent with the geographical distribution of different forms of deprivation and disadvantage (a well-established research finding). It is generally accepted that a coherent index of multiple deprivation cannot be generated by the simple addition of individual components (unlike, for example, the addition of scores from separate questions to generate a rating in credit card applications).

If multiple deprivation cannot be directly measured then there are problems in technically validating any overall index, because technical validation requires something against which the index can be calibrated. It follows that the question of how components in the overall index might be weighted and combined becomes a pivotal issue.

deprivation and poverty

Poverty and deprivation are regularly used interchangeably, but a clear distinction should be made between them. The condition of poverty means not having enough money or other financial assets or material possessions to meet needs. Deprivation refers to unmet need, which is caused by a lack of resources in general, not just financial or tangible resources.

People can be considered to be deprived if they lack the material standards of diet and clothing, and do not participate in employment or recreation. If they lack the financial resources to obtain these conditions of life they are in poverty. It has been stated that while people experiencing some forms of deprivation may not all have low income, people experiencing multiple or single but very severe forms of deprivation are in almost every instance likely to have very little income and little or no other resources. So deprivation depends on the level of conditions and activities experienced, and poverty on the incomes and other material resources available to the individual or household.

A distinction has also been made between material and social deprivation: people may not have material goods, facilities, or amenities. Additionally they may not have access to ordinary social relationships and activities. If there are these different forms of deprivation, then some people may experience several forms of deprivation and others only a single form.

levels of deprivation

Combining different deprivation attributes into a single index means that a number of issues relating to the links between differing forms of deprivation at the individual, household, and geographical area level have to be considered.

A significant issue is the extent to which individuals and families experiencing deprivation cluster together geographically, and the extent to which other individuals and families who could not be considered to be experiencing deprivation are affected by the overall level of deprivation in their area.

Although much of the data may be collected at the individual or household levels of deprivation, the results in any index are likely to be presented in the form of an aggregate score for some substantial geographical area. But this will combine deprivations experienced by many different groups within that area. With multiple deprivation it is not necessarily the same people experiencing the various forms of specific deprivation in an area. Some people will experience one kind of deprivation; others a different kind of deprivation. Some people will experience several kinds of deprivations; others none at all.

Finally there are several forms of deprivation that may be difficult to attribute on a precise geographical basis. For example, some aspects of crime (like vandalism or car crime in a city centre) might legitimately be associated with the areas of victims and potential victims who lived elsewhere, because they are potentially at risk if they work or shop in that city centre.

the approach to a solution

It is clear from any reputable study on deprivation that the financial component in any overall scale of deprivation is of great significance. This is taken into account in the weighting of the components which make up the overall index for the Welsh Index of Multiple Deprivation (WIMD) 2008. This was also true for the WIMD 2005, and for the similar indexes of the other UK countries.

It is also clear that the idea of separate forms of deprivation are differentially experienced by different groups. For this reason the idea of separate domains of deprivation has been developed.

The methodology adopted for the WIMD 2008, 2005 and 2000 focuses on the creation of a series of robust domain indices; that is, for income, health, education, and other factors separately. These domain indices can be validated, either because they directly measure the factor itself (for example, in the case of means-tested benefit, reliance on unemployment benefit), or by making comparisons with other research studies.

This approach results in a more complex index based on more data sources than earlier indexes of deprivation. It also requires domain-specific indicators; that is indicators which are cogent measures of that domain's deprivations and are not just vaguely and imprecisely related to the domain. It also requires procedures for combining indicators and the related data within any domain according to well-defined algorithms. These procedures are described in more detail in the *WIMD Technical Report* (published later in 2008).





domains and indicators

introduction

The Welsh Index of Multiple Deprivation 2008 is based on eight different deprivation domains which model differing dimensions of deprivation. This method takes into account the assumption that multiple deprivation is a combination of different related deprivation attributes. For example, poor health may be related to substandard housing or low income, but it is still also a deprivation in its own right.

Indicators for each deprivation domain are produced at the Lower Layer SOA level (possibly after being adjusted). Each domain is summarised as a single measure, and these are combined in the overall index.

The WIMD 2008 is made up of eight separate domains (or kinds) of deprivation:

- income
- employment
- health
- education
- housing
- environment
- access to services
- community safety

Each domain reflects a specific kind of deprivation. For example, the employment deprivation domain models exclusion from work, but not the low income that results from being unemployed.

domain indexes and indicators

Domain indexes have been created. These provide information about the specific deprivation related to each domain, in addition to their contribution to the overall index (WIMD 2008). Each domain index is based on a combination of relevant indicators. It was important that these indicators were domain-specific and direct measures of that form of deprivation, and were able to measure the main features of that deprivation (not conditions just experienced by a very small number of people or areas). The indicators were as up-to-date as possible, statistically robust, and available for the whole of Wales at a small area level.

There is no optimum number of indicators to include within an index, but an efficient set of indicators which cover aspects of deprivation as comprehensively as possible have been used. The indicators have been selected to minimise double-counting within each domain, but people may be experiencing more than one kind of deprivation and would therefore be represented in more than one domain.

overall index of deprivation

The domain indexes have to be combined into an overall index of multiple deprivation. Before they are combined they are weighted. Weighting is the adjustment of the contribution the parts (the domain indexes) make to the whole (the overall index) when combination takes place.

If the domain indexes were simply added together to form an overall index it would imply that they were judged to be equally important in their contributions to the overall index which is not the case.

These are the domain weights which were used:

income	23.5%
employment	23.5%
health	14%
education, skills, and training	14%
housing	5%
physical environment	5%
geographical access to services	10%
community safety	5%

The ways in which the domain indexes were combined are described in more detail in the *WIMD Technical Report* (published later in 2008).





overall deprivation scores

domains

The domain indexes used for the overall deprivation scores were:

- income
- employment
- health
- education, skills, and training
- housing
- physical environment
- geographical access to services
- community safety

local authority results

There are 190 Lower Layer Super Output Areas (LSOA) in the most deprived ten percent in Wales for all deprivation measures.

Cardiff (18%), Rhondda Cynon Taf (15%), and Swansea (10%), **contained** the highest percentage **of the SOAs** in the most deprived ten percent in Wales, for overall deprivation.

Merthyr Tydfil (31%), Blaenau Gwent (21%), Neath Port Talbot (19%), and Rhondda Cynon Taf (18%) **had** the highest percentage **of their SOAs** in the most deprived ten percent in Wales, for overall deprivation.

deprivation scores and ranking

Deprivations scores for the overall index were derived by combining the seven domain indexes. The individual domain index scores were weighted before being combined which means that the overall scores will not run from 100 to 0 like the domain index scores. The way they were combined is described in the *WIMD Technical Report* (published later in 2008).

The following table gives (for the ten percent most deprived LSOAs) the:

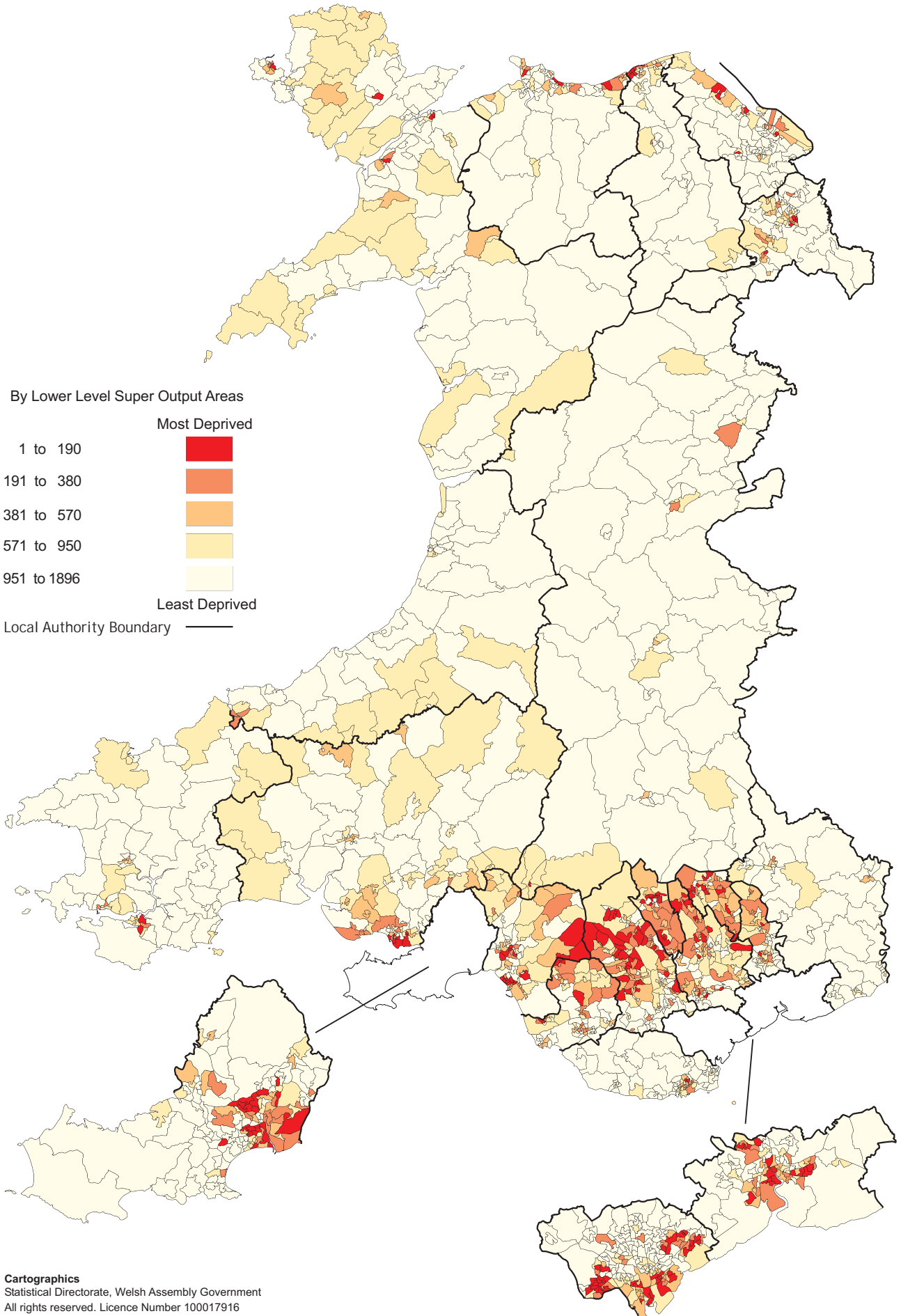
- rank for the overall index,
- deprivation score for the overall index ,
- name of the LSOA,
- ONS LSOA description (which includes the local authority name),
- ONS LSOA code (which begins with W01 where W means Wales and 01 means Lower Layer).

The highest ranked LSOAs (that is, those with a rank closest to 1) are the most deprived.

Higher scores mean more deprivation.

Overall Index of Multiple Deprivation

Map 1



overall deprivation scores

rank	score	LSOA name	ONS description	ONS code
1	81.0	Rhyl West 2	Denbighshire 004E	W01000240
2	78.1	Butetown 2	Cardiff 047B	W01001700
3	77.9	Queensway 1	Wrexham 010C	W01000413
4	77.6	Rhyl West 1	Denbighshire 004D	W01000239
5	74.5	Rhyl South West 2	Denbighshire 006B	W01000237
6	74.3	Townhill 1	Swansea 019A	W01000862
7	73.6	Penydarren 1	Merthyr Tydfil 001D	W01001308
8	73.4	Twyn Carno 1	Caerphilly 001E	W01001428
9	73.0	St. James 3	Caerphilly 022E	W01001421
10	72.5	Penrhiwceiber 1	Rhondda Cynon Taf 008A	W01001209
11	71.0	Castle 2	Swansea 025A	W01000743
12	70.8	Pen-y-waun 2	Rhondda Cynon Taf 001E	W01001222
13	70.7	Caerau (Bridgend) 1	Bridgend 001A	W01000991
14	70.4	Penderry 1	Swansea 011A	W01000830
15	69.9	Tredegar Central and West 2	Blaenau Gwent 006D	W01001479
16	69.9	Tylorstown 1	Rhondda Cynon Taf 013B	W01001274
17	69.9	Gurnos 2	Merthyr Tydfil 001B	W01001300
18	69.3	Cyfarthfa 2	Merthyr Tydfil 004A	W01001292
19	68.9	Castle 1	Swansea 016A	W01000742
20	68.5	Townhill 3	Swansea 019C	W01000864
21	68.3	Bargoed 4	Caerphilly 004D	W01001339
22	68.2	Pillgwenlly 4	Newport 018D	W01001662
23	67.5	Sirhowy 2	Blaenau Gwent 003B	W01001473
24	67.2	Gurnos 1	Merthyr Tydfil 001A	W01001299
25	67.1	Ely 2	Cardiff 039B	W01001738
26	66.8	Tyisha 2	Carmarthenshire 026E	W01000733
27	66.3	Butetown 1	Cardiff 047A	W01001699
28	65.4	Merthyr Vale 2	Merthyr Tydfil 006C	W01001303
29	65.2	Cymmmer (Neath Port Talbot) 2	Neath Port Talbot 011B	W01000921
30	64.7	Glyncoch 1	Rhondda Cynon Taf 015A	W01001180
31	63.8	Tredegar Park 2	Newport 019D	W01001689
32	63.4	Wynnstay	Wrexham 010E	W01000425
33	63.3	Maerdy 2	Rhondda Cynon Taf 009D	W01001203
34	62.7	Plas Madoc	Wrexham 017E	W01000409
35	62.2	Mynyddbach 1	Swansea 009A	W01000817
36	62.1	Pillgwenlly 3	Newport 018C	W01001661
37	62.0	Townhill 2	Swansea 019B	W01000863
38	61.7	Caerau (Bridgend) 2	Bridgend 001B	W01000992
39	61.5	Bedwas, Trethomas and Machen 6	Caerphilly 021C	W01001345
40	61.1	Ely 3	Cardiff 039C	W01001739
41	61.0	Alway 4	Newport 015B	W01001609
42	60.7	Ely 5	Cardiff 039E	W01001741
43	60.6	Penderry 4	Swansea 011C	W01000833
44	60.6	Glyn (Conwy) 2	Conwy 007C	W01000144
45	60.6	Penderry 3	Swansea 011B	W01000832
46	60.6	Riverside 3	Cardiff 042C	W01001857
47	60.5	Riverside 2	Cardiff 042B	W01001856
48	60.1	Abercynon 2	Rhondda Cynon Taf 012B	W01001144
49	59.9	Trevethin 1	Torfaen 003C	W01001530
50	59.9	Cwmbach 2	Rhondda Cynon Taf 004C	W01001169
51	59.9	Splott 6	Cardiff 038D	W01001874
52	59.7	Sandfields East 2	Neath Port Talbot 016B	W01000958
53	59.3	Caerau (Cardiff) 3	Cardiff 041A	W01001704
54	58.8	Cornelly 4	Bridgend 010D	W01001002
55	58.8	Hengoed (Caerphilly) 2	Caerphilly 012B	W01001364
56	58.6	Rhydfelen Central/Ilan 2	Rhondda Cynon Taf 022C	W01001238
57	57.9	Townhill 5	Swansea 019E	W01000866
58	57.8	Moriah 3	Caerphilly 001C	W01001376
59	57.3	Trealaw 2	Rhondda Cynon Taf 014C	W01001260
60	57.3	Neath North 2	Neath Port Talbot 008D	W01000939
61	57.2	Ely 1	Cardiff 039A	W01001737
62	57.2	Ely 8	Cardiff 043C	W01001744
63	57.0	Pillgwenlly 1	Newport 018A	W01001659
64	56.9	Aberavon 4	Neath Port Talbot 017C	W01000886
65	56.8	Sandfields West 2	Neath Port Talbot 016D	W01000962

overall deprivation scores continued

rank	score	LSOA name	ONS description	ONS code
66	56.5	Bigyn 4	Carmarthenshire 024D	W01000631
67	56.5	Rhyl West 3	Denbighshire 004F	W01000241
68	56.2	New Tredegar 3	Caerphilly 002E	W01001386
69	56.0	Aberavon 3	Neath Port Talbot 017B	W01000885
70	56.0	Alway 2	Newport 015A	W01001607
71	56.0	Pembroke Dock: Llanion 1	Pembrokeshire 013B	W01000601
72	55.1	Adamsdown 5	Cardiff 036E	W01001698
73	54.7	Gurnos 3	Merthyr Tydfil 001C	W01001301
74	54.7	Townhill 6	Swansea 019F	W01000867
75	54.6	Ebbw Vale North 2	Blaenau Gwent 004D	W01001457
76	54.5	Ely 4	Cardiff 039D	W01001740
77	54.1	Pendery 7	Swansea 011E	W01000836
78	54.0	Penydarren 2	Merthyr Tydfil 001E	W01001309
79	53.9	Ynysgir 1	Rhondda Cynon Taf 017E	W01001280
80	53.8	Splott 8	Cardiff 037D	W01001876
81	53.6	Bettws (Bridgend)	Bridgend 004A	W01000975
82	53.4	Peblig (Caernarfon)	Gwynedd 006C	W01000098
83	53.4	Hermitage 2	Wrexham 012B	W01000382
84	53.3	Malpas 2	Newport 002B	W01001652
85	53.1	Shotton Higher 2	Flintshire 009E	W01000336
86	52.5	Glanymor 3	Carmarthenshire 026C	W01000661
87	52.2	Rhyl South West 1	Denbighshire 006A	W01000236
88	52.2	Rumney 5	Cardiff 016B	W01001867
89	52.1	Bonymaen 1	Swansea 014A	W01000738
90	51.9	Ely 10	Cardiff 041D	W01001746
91	51.7	Tylorstown 3	Rhondda Cynon Taf 013D	W01001276
92	51.6	Pembroke: Monkton	Pembrokeshire 015B	W01000606
93	51.5	Beaufort 2	Blaenau Gwent 001B	W01001441
94	51.4	Cymmer (Rhondda Cynon Taf) 4	Rhondda Cynon Taf 020C	W01001174
95	50.9	Queensway 2	Wrexham 010D	W01000414
96	50.5	Trowbridge 7	Cardiff 016C	W01001883
97	50.3	Sandfields East 1	Neath Port Talbot 017D	W01000957
98	50.2	Adamsdown 3	Cardiff 036C	W01001696
99	50.2	Darren Valley 2	Caerphilly 002B	W01001361
100	49.8	Gibbonsdown 2	The Vale of Glamorgan 007D	W01001095
101	49.8	Trowbridge 3	Cardiff 013A	W01001879
102	49.8	Morrison 5	Swansea 003D	W01000810
103	49.7	Tredegar Central and West 3	Blaenau Gwent 003E	W01001480
104	49.4	Fairwater (Cardiff) 4	Cardiff 031A	W01001750
105	49.4	Cymllydd (Rhondda Cynon Taf) 3	Rhondda Cynon Taf 020B	W01001173
106	49.2	Briton Ferry West 1	Neath Port Talbot 013C	W01000896
107	49.0	Maerdy 1	Rhondda Cynon Taf 009C	W01001202
108	48.9	Park 3	Merthyr Tydfil 004C	W01001307
109	48.9	Ebbw Vale South 1	Blaenau Gwent 007D	W01001459
110	48.8	Fairwater (Cardiff) 5	Cardiff 027D	W01001751
111	48.7	Treherbert 2	Rhondda Cynon Taf 007B	W01001266
112	48.7	Bettws (Newport) 1	Newport 003A	W01001617
113	48.7	Victoria 4	Newport 013E	W01001693
114	48.7	Pen-y-graig 3	Rhondda Cynon Taf 018C	W01001219
115	48.5	Court 3	The Vale of Glamorgan 007A	W01001081
116	48.2	Pen-y-waun 1	Rhondda Cynon Taf 001D	W01001221
117	48.2	Tudno 2	Conwy 002C	W01000187
118	48.2	Gilfach Goch 2	Rhondda Cynon Taf 023B	W01001179
119	48.2	Morawelon	Isle of Anglesey 003E	W01000033
120	47.7	Abergele Pensarn	Conwy 010A	W01000120
121	47.7	Mountain Ash West 2	Rhondda Cynon Taf 006D	W01001207
122	47.5	Llwynhendy 3	Carmarthenshire 025E	W01000708
123	47.2	Llanrumney 7	Cardiff 007C	W01001808
124	47.1	Grangetown 4	Cardiff 046D	W01001762
125	46.9	Trowbridge 8	Cardiff 013D	W01001884
126	46.7	Rassau 2	Blaenau Gwent 001E	W01001471
127	46.6	Llwyn-y-pia 2	Rhondda Cynon Taf 014B	W01001201
128	46.5	Riverside 1	Cardiff 042A	W01001855
129	46.5	Ely 6	Cardiff 043A	W01001742
130	46.4	Caerau (Cardiff) 2	Cardiff 045B	W01001703

overall deprivation scores *continued*

rank	score	LSOA name	ONS description	ONS code
131	46.3	Aberbargoed 2	Caerphilly 003B	W01001326
132	46.2	Glanymor 1	Carmarthenshire 026A	W01000659
133	46.2	Caerau (Cardiff) 7	Cardiff 045D	W01001708
134	46.1	Pentre 3	Rhondda Cynon Taf 011C	W01001215
135	46.1	Pentwyn 5	Cardiff 017D	W01001813
136	46.0	Splott 3	Cardiff 037B	W01001871
137	45.8	Ringland 4	Newport 010B	W01001666
138	45.6	Tonyrefail West 3	Rhondda Cynon Taf 023E	W01001255
139	45.6	Bryn and Cwmavon 3	Neath Port Talbot 014C	W01000900
140	45.3	Gwynfi	Neath Port Talbot 011D	W01000930
141	45.2	Sketty 4	Swansea 022D	W01000856
142	45.2	Cwmillery 1	Blaenau Gwent 008D	W01001453
143	45.1	Rhiw 3	Conwy 007D	W01000182
144	45.1	Trowbridge 10	Cardiff 016D	W01001886
145	45.1	Holywell Central	Flintshire 003E	W01000304
146	45.1	Aberaman South 2	Rhondda Cynon Taf 005E	W01001141
147	45.0	Morrison 7	Swansea 008C	W01000812
148	44.9	Neath East 4	Neath Port Talbot 013E	W01000937
149	44.9	St. James 4	Caerphilly 022F	W01001422
150	44.9	Pentwyn 3	Cardiff 009A	W01001811
151	44.8	Stow Hill 3	Newport 014D	W01001687
152	44.8	Rhyl East 3	Denbighshire 004C	W01000228
153	44.7	Ystradgynlais 1	Powys 019E	W01000504
154	44.7	Nantyglo 3	Blaenau Gwent 005F	W01001469
155	44.7	Sandfields West 3	Neath Port Talbot 016E	W01000963
156	44.6	Plasnewydd 7	Cardiff 033F	W01001835
157	44.6	Argoed (Caerphilly) 1	Caerphilly 005A	W01001334
158	44.6	Treherbert 3	Rhondda Cynon Taf 007C	W01001267
159	44.5	Hirwaun 3	Rhondda Cynon Taf 001C	W01001188
160	44.5	Ystrad 4	Rhondda Cynon Taf 014G	W01001288
161	44.5	Tonyrefail East 3	Rhondda Cynon Taf 024C	W01001251
162	44.4	Dowlais 1	Merthyr Tydfil 002A	W01001295
163	44.3	Adamsdown 1	Cardiff 036A	W01001694
164	44.3	Ringland 6	Newport 010D	W01001668
165	44.3	Greenfield 1	Flintshire 003C	W01000296
166	44.2	Mold West 1	Flintshire 016F	W01000318
167	44.1	Merthyr Vale 1	Merthyr Tydfil 006B	W01001302
168	44.1	Aberaman South 3	Rhondda Cynon Taf 005F	W01001142
169	44.1	Shaftesbury 1	Newport 006B	W01001681
170	44.1	Sandfields West 4	Neath Port Talbot 016F	W01000964
171	44.1	Flint Castle	Flintshire 004A	W01000288
172	44.0	Llanhilleth 1	Blaenau Gwent 009A	W01001464
173	44.0	Upper Cwmbran 1	Torfaen 009C	W01001536
174	43.9	Bettws (Newport) 3	Newport 003C	W01001619
175	43.9	Penderry 2	Swansea 013D	W01000831
176	43.8	Marchog 1	Gwynedd 002D	W01000090
177	43.7	Aberavon 2	Neath Port Talbot 017A	W01000884
178	43.7	Marchog 2	Gwynedd 001D	W01000091
179	43.6	Neath South 2	Neath Port Talbot 012C	W01000942
180	43.5	Penderry 5	Swansea 011D	W01000834
181	43.3	Penyrheol (Caerphilly) 4	Caerphilly 023D	W01001396
182	43.3	Neath East 2	Neath Port Talbot 008B	W01000935
183	43.3	Glyncorwg	Neath Port Talbot 011C	W01000924
184	43.3	Cartrefle 2	Wrexham 010B	W01000353
185	43.0	Castle 8	Swansea 026A	W01000749
186	42.9	Dowlais 4	Merthyr Tydfil 002D	W01001298
187	42.9	Tudur	Isle of Anglesey 006D	W01000041
188	42.9	Llwynhendy 2	Carmarthenshire 025D	W01000707
189	42.8	Llanrumney 6	Cardiff 007B	W01001807
190	42.8	Newbridge 2	Caerphilly 010B	W01001381

changes over time

The table below compares the WIMD 2005 and WIMD 2008 groupings for each LSOA.

The diagonal in bold shows the LSOAs that have not changed groups since WIMD 2005. Looking to the left of this diagonal shows the LSOAs that have changed to a more deprived group in WIMD 2008. Looking to the right of the diagonal shows the LSOAs that have changed to a less deprived group in WIMD 2008. The further right or further down you read the less deprived the group.

WIMD 2005	WIMD 2008					Total
	10% most deprived	10-20% most deprived	20-30% most deprived	30-50% most deprived	50% least deprived	
10% most deprived	166	23	1	0	0	190
10-20% most deprived	24	125	40	1	0	190
20-30% most deprived	0	40	103	47	0	190
30-50% most deprived	0	2	46	276	56	380
50% least deprived	0	0	0	56	890	946
Total	190	190	190	380	946	1896

Summary

- 1560 LSOAs have not changed group since WIMD 2005
- 166 LSOAs have moved up 1 group and 2 LSOAs have moved up 2 groups
- Of these LSOAs, 24 have moved into the 10% most deprived group (all from the 10-20% most deprived group)
- 166 LSOAs have moved down 1 group and 2 LSOAs have moved down 2 groups
- Of these LSOAs, 24 have moved out of the 10% most deprived group (23 to the 10-20% most deprived group and 1 to the 20-30% most deprived group)

The LSOAs that have changed groups will not have all moved for the same single reason.



indicators

The indicators used for the income domain were:

- Adults and Children in Income Support Households
- Adults and Children in Pension Credit Households
- Adults and Children in Income-Based Jobseekers Allowance Households
- Adults and Children in Tax Credit (Child Tax Credit and Working Tax Credit) Households below a low income threshold
- National Asylum Support Service (NASS) supported asylum seekers in Wales in receipt of subsistence only and accommodation support

local authority results

There are 190 Lower Layer Super Output Areas (LSOA) in the most deprived ten percent in Wales for all deprivation measures.

Cardiff (21%), Swansea (15%), and Rhondda Cynon Taf (10%) **contained** the highest percentage **of the SOAs** in the most deprived ten percent in Wales, for income deprivation.

Merthyr Tydfil (22%), Cardiff (20%), Swansea (19%), Neath Port Talbot (19%) and Blaenau Gwent (17%) **had** the highest percentage **of their SOAs** in the most deprived ten percent in Wales, for income deprivation.

deprivation scores and ranking

Deprivations scores for the income domain were derived by combining the income indicators (brief details are given in Annex A). These deprivation scores for the 1,896 LSOAs were transformed so that they ran from 100 (the most deprived) to 0 (the least deprived). The scores are not uniformly distributed: scores of the most deprived ten percent run from 100 to about 50, and the scores of the remaining ninety percent run from about 50 to 0. Because of the nature of the transformation the scores will be the same for each domain. That is, the LSOA ranked (say) 75th will have the same score for each domain (it is almost certainly a different LSOA though).

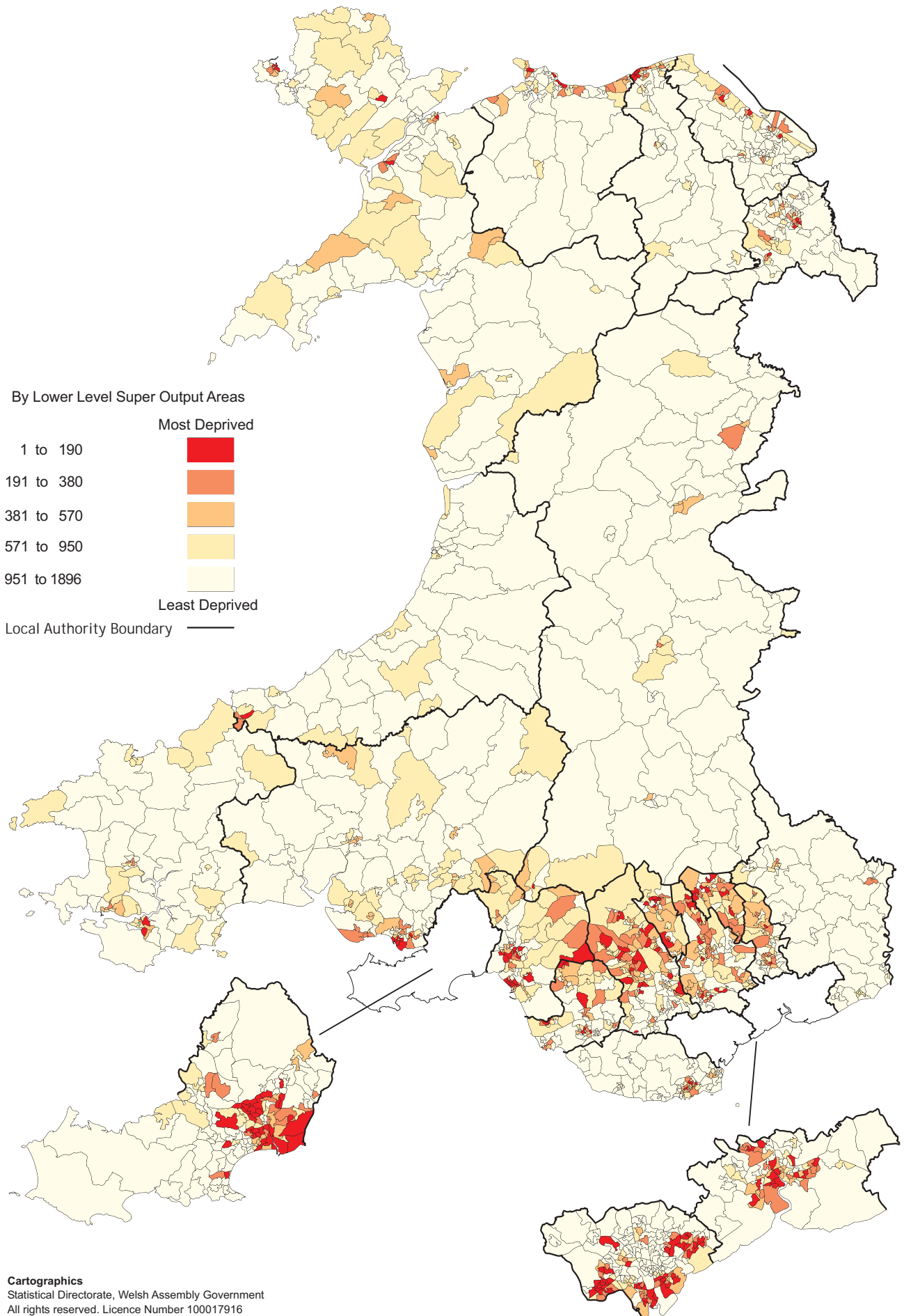
The following table gives (for the ten percent most deprived LSOAs) the:

- rank for the income domain,
- deprivation score for the income domain,
- name of the LSOA,
- ONS LSOA description (which includes the local authority name),
- ONS LSOA code (which begins with W01 where W means Wales and 01 means Lower Layer).

The highest ranked LSOAs (that is, those with a rank closest to 1) are the most deprived.

Higher scores mean more deprivation.

Income Deprivation Domain



income deprivation scores

rank	score	LSOA name	ONS description	ONS code
1	100.0	Castle 2	Swansea 025A	W01000743
2	99.1	Rhyl West 2	Denbighshire 004E	W01000240
3	98.2	Rhyl West 1	Denbighshire 004D	W01000239
4	97.4	Townhill 1	Swansea 019A	W01000862
5	96.6	Townhill 2	Swansea 019B	W01000863
6	95.8	Butetown 2	Cardiff 047B	W01001700
7	95.0	St. James 3	Caerphilly 022E	W01001421
8	94.3	Butetown 1	Cardiff 047A	W01001699
9	93.6	Riverside 3	Cardiff 042C	W01001857
10	92.9	Pillgwenlly 3	Newport 018C	W01001661
11	92.2	Pillgwenlly 4	Newport 018D	W01001662
12	91.6	Twyn Carno 1	Caerphilly 001E	W01001428
13	90.9	Townhill 3	Swansea 019C	W01000864
14	90.3	Castle 1	Swansea 016A	W01000742
15	89.7	Townhill 6	Swansea 019F	W01000867
16	89.1	Riverside 2	Cardiff 042B	W01001856
17	88.6	Tredegar Central and West 2	Blaenau Gwent 006D	W01001479
18	88.0	Tyisha 2	Carmarthenshire 026E	W01000733
19	87.5	Pendery 3	Swansea 011B	W01000832
20	86.9	Mynyddbach 1	Swansea 009A	W01000817
21	86.4	Ely 8	Cardiff 043C	W01001744
22	85.9	Ely 2	Cardiff 039B	W01001738
23	85.4	Pen-y-waun 2	Rhondda Cynon Taf 001E	W01001222
24	84.9	Queensway 1	Wrexham 010C	W01000413
25	84.5	Tredegar Park 2	Newport 019D	W01001689
26	84.0	Pendery 1	Swansea 011A	W01000830
27	83.5	Rhyl South West 2	Denbighshire 006B	W01000237
28	83.1	Pendery 4	Swansea 011C	W01000833
29	82.6	Sketty 4	Swansea 022D	W01000856
30	82.2	Sirhowy 2	Blaenau Gwent 003B	W01001473
31	81.8	Penydarren 1	Merthyr Tydfil 001D	W01001308
32	81.4	Tylorstown 1	Rhondda Cynon Taf 013B	W01001274
33	81.0	Gurnos 2	Merthyr Tydfil 001B	W01001300
34	80.6	Pillgwenlly 1	Newport 018A	W01001659
35	80.2	Ely 1	Cardiff 039A	W01001737
36	79.8	Fairwater (Cardiff) 4	Cardiff 031A	W01001750
37	79.4	Penrhiwceiber 1	Rhondda Cynon Taf 008A	W01001209
38	79.0	Splott 6	Cardiff 038D	W01001874
39	78.7	Rhydfelen Central/Ilan 2	Rhondda Cynon Taf 022C	W01001238
40	78.3	Caerau (Cardiff) 3	Cardiff 041A	W01001704
41	77.9	Bargoed 4	Caerphilly 004D	W01001339
42	77.6	Ely 3	Cardiff 039C	W01001739
43	77.2	Neath North 2	Neath Port Talbot 008D	W01000939
44	76.9	Caerau (Bridgend) 1	Bridgend 001A	W01000991
45	76.6	Ely 5	Cardiff 039E	W01001741
46	76.2	Alway 4	Newport 015B	W01001609
47	75.9	Bedwas, Trethomas and Machen 6	Caerphilly 021C	W01001345
48	75.6	Plas Madoc	Wrexham 017E	W01000409
49	75.3	Adamsdown 5	Cardiff 036E	W01001698
50	74.9	Cyfarthfa 2	Merthyr Tydfil 004A	W01001292
51	74.6	Cornelly 4	Bridgend 010D	W01001002
52	74.3	Moriah 3	Caerphilly 001C	W01001376
53	74.0	Sandfields East 2	Neath Port Talbot 016B	W01000958
54	73.7	Maerdy 2	Rhondda Cynon Taf 009D	W01001203
55	73.4	Malpas 2	Newport 002B	W01001652
56	73.1	Briton Ferry West 1	Neath Port Talbot 013C	W01000896
57	72.9	Morrison 5	Swansea 003D	W01000810
58	72.6	Wynnstay	Wrexham 010E	W01000425
59	72.3	Glyncoch 1	Rhondda Cynon Taf 015A	W01001180
60	72.0	Gurnos 1	Merthyr Tydfil 001A	W01001299
61	71.8	Gibbonsdown 2	The Vale of Glamorgan 007D	W01001095
62	71.5	Grangetown 3	Cardiff 046C	W01001761
63	71.2	Cymmmer (Neath Port Talbot) 2	Neath Port Talbot 011B	W01000921
64	71.0	Splott 8	Cardiff 037D	W01001876
65	70.7	Bonymaen 1	Swansea 014A	W01000738

income deprivation scores *continued*

rank	score	LSOA name	ONS description	ONS code
66	70.4	Penderry 7	Swansea 011E	W01000836
67	70.2	Townhill 5	Swansea 019E	W01000866
68	69.9	Sandfields East 1	Neath Port Talbot 017D	W01000957
69	69.7	Glyn (Conwy) 2	Conwy 007C	W01000144
70	69.4	Riverside 1	Cardiff 042A	W01001855
71	69.2	Trowbridge 8	Cardiff 013D	W01001884
72	68.9	Pebblig (Caernarfon)	Gwynedd 006C	W01000098
73	68.7	Cwmbach 2	Rhondda Cynon Taf 004C	W01001169
74	68.5	Bettws (Newport) 1	Newport 003A	W01001617
75	68.2	Sandfields West 2	Neath Port Talbot 016D	W01000962
76	68.0	Shaftesbury 1	Newport 006B	W01001681
77	67.8	Ebbw Vale North 2	Blaenau Gwent 004D	W01001457
78	67.6	Alway 2	Newport 015A	W01001607
79	67.3	Pembroke Dock: Llanion 1	Pembrokeshire 013B	W01000601
80	67.1	Penderry 2	Swansea 013D	W01000831
81	66.9	Castle 8	Swansea 026A	W01000749
82	66.7	Fairwater (Cardiff) 5	Cardiff 027D	W01001751
83	66.5	Bigyn 4	Carmarthenshire 024D	W01000631
84	66.2	Adamsdown 1	Cardiff 036A	W01001694
85	66.0	Merthyr Vale 2	Merthyr Tydfil 006C	W01001303
86	65.8	Trealaw 2	Rhondda Cynon Taf 014C	W01001260
87	65.6	Llanrumney 6	Cardiff 007B	W01001807
88	65.4	Aberavon 3	Neath Port Talbot 017B	W01000885
89	65.2	Ely 4	Cardiff 039D	W01001740
90	65.0	Ely 6	Cardiff 043A	W01001742
91	64.8	Holywell Central	Flintshire 003E	W01000304
92	64.6	Cymmer (Rhondda Cynon Taf) 4	Rhondda Cynon Taf 020C	W01001174
93	64.4	Victoria 4	Newport 013E	W01001693
94	64.2	Plasnewydd 7	Cardiff 033F	W01001835
95	64.0	Hermitage 2	Wrexham 012B	W01000382
96	63.8	Gaer 2	Newport 017B	W01001630
97	63.6	Trevelin 1	Torfaen 003C	W01001530
98	63.4	Glanymor 3	Carmarthenshire 026C	W01000661
99	63.2	Grangetown 4	Cardiff 046D	W01001762
100	63.1	Pentwyn 5	Cardiff 017D	W01001813
101	62.9	Gurnos 3	Merthyr Tydfil 001C	W01001301
102	62.7	Pen-y-graig 3	Rhondda Cynon Taf 018C	W01001219
103	62.5	Rhyl South West 1	Denbighshire 006A	W01000236
104	62.3	Rhyl West 3	Denbighshire 004F	W01000241
105	62.1	Trowbridge 3	Cardiff 013A	W01001879
106	62.0	Treherbert 2	Rhondda Cynon Taf 007B	W01001266
107	61.8	Cwmillery 1	Blaenau Gwent 008D	W01001453
108	61.6	Neath East 2	Neath Port Talbot 008B	W01000935
109	61.4	Sandfields West 4	Neath Port Talbot 016F	W01000964
110	61.3	Rumney 5	Cardiff 016B	W01001867
111	61.1	Landore 4	Swansea 016F	W01000790
112	60.9	Ely 10	Cardiff 041D	W01001746
113	60.8	Tredegar Central and West 3	Blaenau Gwent 003E	W01001480
114	60.6	Beaufort 2	Blaenau Gwent 001B	W01001441
115	60.4	Stow Hill 3	Newport 014D	W01001687
116	60.3	Splott 3	Cardiff 037B	W01001871
117	60.1	Glanymor 2	Carmarthenshire 026B	W01000660
118	59.9	Aberteifi/Cardigan - Rhyd-y-Fuwch	Ceredigion 009D	W01000510
119	59.8	Rhyl East 3	Denbighshire 004C	W01000228
120	59.6	Trowbridge 7	Cardiff 016C	W01001883
121	59.5	Beechwood 3	Newport 005A	W01001614
122	59.3	Ringland 2	Newport 010A	W01001664
123	59.1	West Cross 3	Swansea 029C	W01000881
124	59.0	Caerau (Bridgend) 2	Bridgend 001B	W01000992
125	58.8	New Tredegar 3	Caerphilly 002E	W01001386
126	58.7	Llanrumney 7	Cardiff 007C	W01001808
127	58.5	Pentwyn 3	Cardiff 009A	W01001811
128	58.4	Cadoc 1	The Vale of Glamorgan 009A	W01001067
129	58.2	Neath East 4	Neath Port Talbot 013E	W01000937
130	58.1	Mountain Ash West 2	Rhondda Cynon Taf 006D	W01001207

income deprivation scores *continued*

rank	score	LSOA name	ONS description	ONS code
131	57.9	Shotton Higher 2	Flintshire 009E	W01000336
132	57.8	Tudur	Isle of Anglesey 006D	W01000041
133	57.6	Rhiw 3	Conwy 007D	W01000182
134	57.5	Brackla 3	Bridgend 016B	W01000981
135	57.3	Aberavon 4	Neath Port Talbot 017C	W01000886
136	57.2	Llwynhendy 2	Carmarthenshire 025D	W01000707
137	57.0	Mostyn (Conwy) 2	Conwy 001D	W01000169
138	56.9	Penderry 5	Swansea 011D	W01000834
139	56.8	Ystradgynlais 1	Powys 019E	W01000504
140	56.6	Nantyglo 3	Blaenau Gwent 005F	W01001469
141	56.5	Hengoed (Caerphilly) 2	Caerphilly 012B	W01001364
142	56.3	Ynysgir 1	Rhondda Cynon Taf 017E	W01001280
143	56.2	Sandfields West 3	Neath Port Talbot 016E	W01000963
144	56.1	Castle 4	Swansea 025B	W01000745
145	55.9	Rhydfelen Central/Ilan 1	Rhondda Cynon Taf 022B	W01001237
146	55.8	Splott 5	Cardiff 038C	W01001873
147	55.7	Llanharry 2	Rhondda Cynon Taf 031B	W01001192
148	55.5	Cockett 8	Swansea 013C	W01000762
149	55.4	Cymmmer (Rhondda Cynon Taf) 3	Rhondda Cynon Taf 020B	W01001173
150	55.3	Bryn and Cwmavon 3	Neath Port Talbot 014C	W01000900
151	55.1	Caerau (Cardiff) 7	Cardiff 045D	W01001708
152	55.0	Adamsdown 3	Cardiff 036C	W01001696
153	54.9	Bettws (Bridgend)	Bridgend 004A	W01000975
154	54.7	Pyle 2	Bridgend 008C	W01001049
155	54.6	Park 3	Merthyr Tydfil 004C	W01001307
156	54.5	Llanrumney 2	Cardiff 015A	W01001803
157	54.3	Penyrheol (Caerphilly) 4	Caerphilly 023D	W01001396
158	54.2	Morawelon	Isle of Anglesey 003E	W01000033
159	54.1	Buttrills 2	The Vale of Glamorgan 013B	W01001064
160	54.0	Glanymor 1	Carmarthenshire 026A	W01000659
161	53.8	Llandaff North 4	Cardiff 023D	W01001788
162	53.7	St. Thomas 1	Swansea 021A	W01000849
163	53.6	Tylorstown 3	Rhondda Cynon Taf 013D	W01001276
164	53.5	St. Thomas 2	Swansea 021B	W01000850
165	53.4	Llanrumney 4	Cardiff 015C	W01001805
166	53.2	Penderry 6	Swansea 013E	W01000835
167	53.1	Neath North 3	Neath Port Talbot 008E	W01000940
168	53.0	Tonyrefail East 3	Rhondda Cynon Taf 024C	W01001251
169	52.9	Marchog 2	Gwynedd 001D	W01000091
170	52.7	Rassau 2	Blaenau Gwent 001E	W01001471
171	52.6	Penydarren 2	Merthyr Tydfil 001E	W01001309
172	52.5	Pentre 3	Rhondda Cynon Taf 011C	W01001215
173	52.4	St. Dials 2	Torfaen 010C	W01001527
174	52.3	Neath South 2	Neath Port Talbot 012C	W01000942
175	52.2	Porthyfelin 1	Isle of Anglesey 003F	W01000036
176	52.0	Queensway 2	Wrexham 010D	W01000414
177	51.9	Newcastle 1	Bridgend 012D	W01001026
178	51.8	Pembroke: Monkton	Pembrokeshire 015B	W01000606
179	51.7	Tudno 1	Conwy 001E	W01000186
180	51.6	Llandrillo yn Rhos 4	Conwy 004C	W01000157
181	51.5	Trowbridge 10	Cardiff 016D	W01001886
182	51.4	Morrison 7	Swansea 008C	W01000812
183	51.3	Flint Castle	Flintshire 004A	W01000288
184	51.1	Morrison 9	Swansea 008E	W01000814
185	51.0	Cockett 2	Swansea 017B	W01000756
186	50.9	Court 3	The Vale of Glamorgan 007A	W01001081
187	50.8	Bedwas, Trethomas and Machen 2	Caerphilly 020B	W01001341
188	50.7	Gwynfi	Neath Port Talbot 011D	W01000930
189	50.6	Coedffranc Central 3	Neath Port Talbot 010C	W01000914
190	50.5	Whitchurch and Tongwynlais 9	Cardiff 010D	W01001895

changes over time

The table below compares the WIMD 2005 and WIMD 2008 groupings for each LSOA.

The diagonal in bold shows the LSOAs that have not changed groups since WIMD 2005. Looking to the left of this diagonal shows the LSOAs that have changed to a more deprived group in WIMD 2008. Looking to the right of the diagonal shows the LSOAs that have changed to a less deprived group in WIMD 2008. The further right or further down you read the less deprived the group.

WIMD 2005	WIMD 2008					Total
	10% most deprived	10-20% most deprived	20-30% most deprived	30-50% most deprived	50% least deprived	
10% most deprived	146	41	3	0	0	190
10-20% most deprived	42	102	42	4	0	190
20-30% most deprived	2	44	96	46	2	190
30-50% most deprived	0	3	49	271	57	380
50% least deprived	0	0	0	59	887	946
Total	190	190	190	380	946	1896

Summary

- 1502 LSOAs have not changed group since WIMD 2005
- 194 LSOAs have moved up 1 group and 5 LSOAs have moved up 2 groups
- Of these LSOAs, 44 have moved into the 10% most deprived group (42 from the 10-20% most deprived group and 2 from the 20-30% most deprived group)
- 186 LSOAs have moved down 1 group and 9 LSOAs have moved down 2 groups
- Of these LSOAs, 44 have moved out of the 10% most deprived group (41 to the 10-20% most deprived group and 3 to the 20-30% most deprived group)

The LSOAs that have changed groups will not have all moved for the same single reason.





indicators

The indicators used for the employment domain were:

- Claimants of Unemployment-related benefits
- Claimants of Incapacity Benefit / Severe Disablement Allowance
- Participants on New Deal for Young People and Intensity Activity Period (for New Deal 25+) not included in unemployment-related benefits count
- Participants on New Deal for Lone Parents

local authority results

There are 190 Lower Layer Super Output Areas (LSOA) in the most deprived ten percent in Wales for all deprivation measures.

Rhondda Cynon Taf (18%), Caerphilly (11%), Neath Port Talbot (9%), Swansea (9%) and Cardiff (9%), **contained** the highest percentage **of the SOAs** in the most deprived ten percent in Wales, for employment deprivation.

Merthyr Tydfil (36%), Blaenau Gwent (32%), Rhondda Cynon Taf (22%), Neath Port Talbot (20%), and Caerphilly (18%) **had** the highest percentage **of their SOAs** in the most deprived ten percent in Wales, for employment deprivation.

deprivation scores and ranking

Deprivations scores for the employment domain were derived by combining the employment indicators (brief details are given in Annex A). These deprivation scores for the 1,896 LSOAs were transformed so that they ran from 100 (the most deprived) to 0 (the least deprived). The scores are not uniformly distributed: scores of the most deprived ten percent run from 100 to about 50, and the scores of the remaining ninety percent run from about 50 to 0. Because of the nature of the transformation the scores will be the same for each domain. That is, the LSOA ranked (say) 75th will have the same score for each domain (it is almost certainly a different LSOA though).

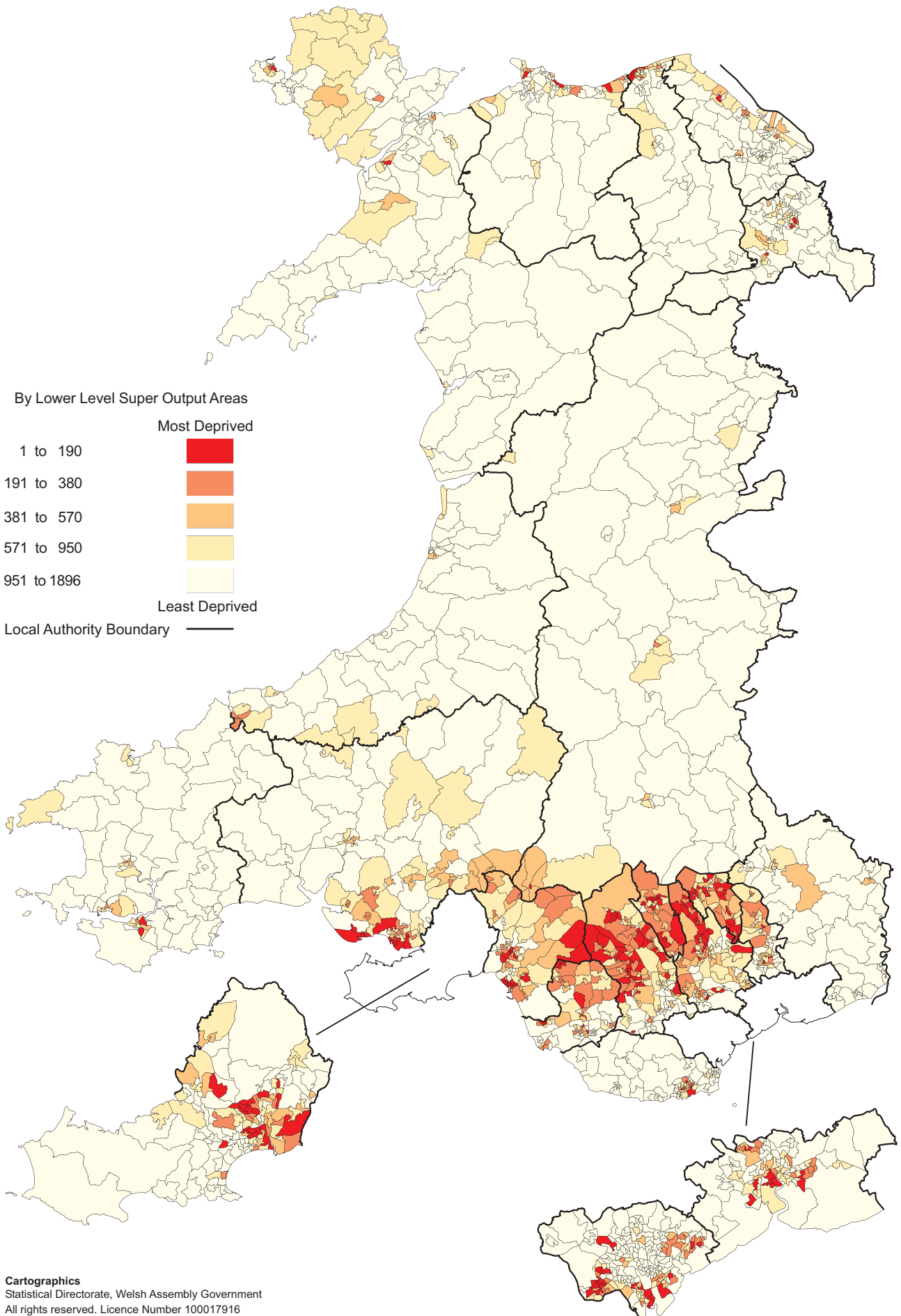
The following table gives (for the ten percent most deprived LSOAs) the:

- rank for the employment domain,
- deprivation score for the employment domain,
- name of the LSOA,
- ONS LSOA description (which includes the local authority name),
- ONS LSOA code (which begins with W01 where W means Wales and 01 means Lower Layer).

The highest ranked LSOAs (that is, those with a rank closest to 1) are the most deprived.

Higher scores mean more deprivation.

Employment Deprivation Domain



employment deprivation scores

rank	score	LSOA name	ONS description	ONS code
1	100.0	Rhyl West 2	Denbighshire 004E	W01000240
2	99.1	Castle 2	Swansea 025A	W01000743
3	98.2	Rhyl West 1	Denbighshire 004D	W01000239
4	97.4	Twyn Carno 1	Caerphilly 001E	W01001428
5	96.6	Tylorstown 1	Rhondda Cynon Taf 013B	W01001274
6	95.8	St. James 3	Caerphilly 022E	W01001421
7	95.0	Penrhiwceiber 1	Rhondda Cynon Taf 008A	W01001209
8	94.3	Bargoed 4	Caerphilly 004D	W01001339
9	93.6	Penydarren 1	Merthyr Tydfil 001D	W01001308
10	92.9	Gurnos 2	Merthyr Tydfil 001B	W01001300
11	92.2	Caerau (Bridgend) 2	Bridgend 001B	W01000992
12	91.6	Caerau (Bridgend) 1	Bridgend 001A	W01000991
13	90.9	Cymmmer (Neath Port Talbot) 2	Neath Port Talbot 011B	W01000921
14	90.3	Cyfarthfa 2	Merthyr Tydfil 004A	W01001292
15	89.7	Sirhowy 2	Blaenau Gwent 003B	W01001473
16	89.1	Maerdy 2	Rhondda Cynon Taf 009D	W01001203
17	88.6	Townhill 1	Swansea 019A	W01000862
18	88.0	Tredegar Central and West 2	Blaenau Gwent 006D	W01001479
19	87.5	New Tredegar 3	Caerphilly 002E	W01001386
20	86.9	Castle 1	Swansea 016A	W01000742
21	86.4	Moriah 3	Caerphilly 001C	W01001376
22	85.9	Tyisha 2	Carmarthenshire 026E	W01000733
23	85.4	Cwmbach 2	Rhondda Cynon Taf 004C	W01001169
24	84.9	Pen-y-waun 2	Rhondda Cynon Taf 001E	W01001222
25	84.5	Glyn (Conwy) 2	Conwy 007C	W01000144
26	84.0	Merthyr Vale 2	Merthyr Tydfil 006C	W01001303
27	83.5	Butetown 2	Cardiff 047B	W01001700
28	83.1	Bedwas, Trethomas and Machen 6	Caerphilly 021C	W01001345
29	82.6	St. James 4	Caerphilly 022F	W01001422
30	82.2	Neath North 2	Neath Port Talbot 008D	W01000939
31	81.8	Penderry 1	Swansea 011A	W01000830
32	81.4	Townhill 3	Swansea 019C	W01000864
33	81.0	Rhiw 3	Conwy 007D	W01000182
34	80.6	Queensway 1	Wrexham 010C	W01000413
35	80.2	Mynyddbach 1	Swansea 009A	W01000817
36	79.8	Penydarren 2	Merthyr Tydfil 001E	W01001309
37	79.4	Hengoed (Caerphilly) 2	Caerphilly 012B	W01001364
38	79.0	Tredegar Central and West 3	Blaenau Gwent 003E	W01001480
39	78.7	Trealaw 2	Rhondda Cynon Taf 014C	W01001260
40	78.3	Sandfields West 2	Neath Port Talbot 016D	W01000962
41	77.9	Gurnos 3	Merthyr Tydfil 001C	W01001301
42	77.6	Tylorstown 3	Rhondda Cynon Taf 013D	W01001276
43	77.2	Rhydfelen Central/Ilan 2	Rhondda Cynon Taf 022C	W01001238
44	76.9	Penderry 4	Swansea 011C	W01000833
45	76.6	Pillgwenlly 3	Newport 018C	W01001661
46	76.2	Townhill 2	Swansea 019B	W01000863
47	75.9	Ynyshir 1	Rhondda Cynon Taf 017E	W01001280
48	75.6	Penderry 3	Swansea 011B	W01000832
49	75.3	Maerdy 1	Rhondda Cynon Taf 009C	W01001202
50	74.9	Abercynon 2	Rhondda Cynon Taf 012B	W01001144
51	74.6	Gurnos 1	Merthyr Tydfil 001A	W01001299
52	74.3	Bigyn 4	Carmarthenshire 024D	W01000631
53	74.0	Ebbw Vale North 2	Blaenau Gwent 004D	W01001457
54	73.7	Darren Valley 2	Caerphilly 002B	W01001361
55	73.4	Cornelly 4	Bridgend 010D	W01001002
56	73.1	Gwynfi	Neath Port Talbot 011D	W01000930
57	72.9	Sandfields East 2	Neath Port Talbot 016B	W01000958
58	72.6	Plas Madoc	Wrexham 017E	W01000409
59	72.3	Whitchurch and Tongwynlais 9	Cardiff 010D	W01001895
60	72.0	Aberavon 3	Neath Port Talbot 017B	W01000885
61	71.8	Sketty 4	Swansea 022D	W01000856
62	71.5	Treherbert 2	Rhondda Cynon Taf 007B	W01001266
63	71.2	Pen-y-waun 1	Rhondda Cynon Taf 001D	W01001221
64	71.0	Pillgwenlly 4	Newport 018D	W01001662
65	70.7	Briton Ferry West 1	Neath Port Talbot 013C	W01000896

employment deprivation scores *continued*

rank	score	LSOA name	ONS description	ONS code
66	70.4	Sandfields East 1	Neath Port Talbot 017D	W01000957
67	70.2	Beaufort 2	Blaenau Gwent 001B	W01001441
68	69.9	Mountain Ash West 2	Rhondda Cynon Taf 006D	W01001207
69	69.7	Llwyn-y-pia 2	Rhondda Cynon Taf 014B	W01001201
70	69.4	Trevehin 1	Torfaen 003C	W01001530
71	69.2	Rhyl South West 2	Denbighshire 006B	W01000237
72	68.9	Townhill 5	Swansea 019E	W01000866
73	68.7	Hirwaun 3	Rhondda Cynon Taf 001C	W01001188
74	68.5	Abergele Pensarn	Conwy 010A	W01000120
75	68.2	Aberaman South 3	Rhondda Cynon Taf 005F	W01001142
76	68.0	Pembroke Dock: Llanion 1	Pembrokeshire 013B	W01000601
77	67.8	Rassau 2	Blaenau Gwent 001E	W01001471
78	67.6	Butetown 1	Cardiff 047A	W01001699
79	67.3	Glyncoch 1	Rhondda Cynon Taf 015A	W01001180
80	67.1	Riverside 2	Cardiff 042B	W01001856
81	66.9	Pontlottyn	Caerphilly 001D	W01001406
82	66.7	Wynnstay	Wrexham 010E	W01000425
83	66.5	Park 3	Merthyr Tydfil 004C	W01001307
84	66.2	Aberavon 4	Neath Port Talbot 017C	W01000886
85	66.0	Cymmer (Rhondda Cynon Taf) 4	Rhondda Cynon Taf 020C	W01001174
86	65.8	Ystradgynlais 1	Powys 019E	W01000504
87	65.6	Glanymor 3	Carmarthenshire 026C	W01000661
88	65.4	Neath East 2	Neath Port Talbot 008B	W01000935
89	65.2	Llanhilleth 1	Blaenau Gwent 009A	W01001464
90	65.0	Cwmtillery 1	Blaenau Gwent 008D	W01001453
91	64.8	Glyncorwg	Neath Port Talbot 011C	W01000924
92	64.6	Gilfach Goch 2	Rhondda Cynon Taf 023B	W01001179
93	64.4	Ely 1	Cardiff 039A	W01001737
94	64.2	Alway 4	Newport 015B	W01001609
95	64.0	Hermitage 2	Wrexham 012B	W01000382
96	63.8	Treherbert 3	Rhondda Cynon Taf 007C	W01001267
97	63.6	Cymmer (Rhondda Cynon Taf) 3	Rhondda Cynon Taf 020B	W01001173
98	63.4	Pentre 3	Rhondda Cynon Taf 011C	W01001215
99	63.2	Bedwas, Trethomas and Machen 2	Caerphilly 020B	W01001341
100	63.1	Nantyglo 3	Blaenau Gwent 005F	W01001469
101	62.9	Llwynhendy 3	Carmarthenshire 025E	W01000708
102	62.7	Town 1	Merthyr Tydfil 004D	W01001315
103	62.5	Bryn and Cwmavon 3	Neath Port Talbot 014C	W01000900
104	62.3	Rhyl West 3	Denbighshire 004F	W01000241
105	62.1	Bedlinog 1	Merthyr Tydfil 006A	W01001289
106	62.0	Aberbargoed 2	Caerphilly 003B	W01001326
107	61.8	Rhyl East 3	Denbighshire 004C	W01000228
108	61.6	Sarn 1	Bridgend 007C	W01001055
109	61.4	Ebbw Vale South 1	Blaenau Gwent 007D	W01001459
110	61.3	Ely 5	Cardiff 039E	W01001741
111	61.1	Mountain Ash West 3	Rhondda Cynon Taf 006E	W01001208
112	60.9	Bargoed 1	Caerphilly 004A	W01001336
113	60.8	Ystrad 4	Rhondda Cynon Taf 014G	W01001288
114	60.6	Brackla 3	Bridgend 016B	W01000981
115	60.4	Riverside 3	Cardiff 042C	W01001857
116	60.3	Newbridge 2	Caerphilly 010B	W01001381
117	60.1	Morrison 5	Swansea 003D	W01000810
118	59.9	Aberbargoed 1	Caerphilly 003A	W01001325
119	59.8	Ely 3	Cardiff 039C	W01001739
120	59.6	Fairwater (Cardiff) 5	Cardiff 027D	W01001751
121	59.5	Tudno 2	Conwy 002C	W01000187
122	59.3	Neath East 4	Neath Port Talbot 013E	W01000937
123	59.1	St. Cattwg 1	Caerphilly 008A	W01001414
124	59.0	Merthyr Vale 1	Merthyr Tydfil 006B	W01001302
125	58.8	Sandfields West 3	Neath Port Talbot 016E	W01000963
126	58.7	Gibbonsdown 2	The Vale of Glamorgan 007D	W01001095
127	58.5	Bettws (Bridgend)	Bridgend 004A	W01000975
128	58.4	Ely 2	Cardiff 039B	W01001738
129	58.2	Peblig (Caernarfon)	Gwynedd 006C	W01000098
130	58.1	Holywell Central	Flintshire 003E	W01000304

employment deprivation scores continued

rank	score	LSOA name	ONS description	ONS code
131	57.9	Morfa 2	Bridgend 014B	W01001022
132	57.8	Dowlais 4	Merthyr Tydfil 002D	W01001298
133	57.6	Pen-y-graig 1	Rhondda Cynon Taf 018A	W01001217
134	57.5	Bonymaen 1	Swansea 014A	W01000738
135	57.3	Tredeggar Park 2	Newport 019D	W01001689
136	57.2	Six Bells 1	Blaenau Gwent 009D	W01001476
137	57.0	Glanymor 1	Carmarthenshire 026A	W01000659
138	56.9	Crumlin 3	Caerphilly 006C	W01001358
139	56.8	Nantyglo 1	Blaenau Gwent 005D	W01001467
140	56.6	Trowbridge 7	Cardiff 016C	W01001883
141	56.5	Treorchy 3	Rhondda Cynon Taf 010C	W01001271
142	56.3	Gaer 2	Newport 017B	W01001630
143	56.2	Glanymor 2	Carmarthenshire 026B	W01000660
144	56.1	St. Dials 1	Torfaen 010B	W01001526
145	55.9	Stow Hill 3	Newport 014D	W01001687
146	55.8	Splott 6	Cardiff 038D	W01001874
147	55.7	Dowlais 1	Merthyr Tydfil 002A	W01001295
148	55.5	Caerau (Cardiff) 7	Cardiff 045D	W01001708
149	55.4	Ely 8	Cardiff 043C	W01001744
150	55.3	Blaina 1	Blaenau Gwent 005A	W01001443
151	55.1	Burry Port 2	Carmarthenshire 021B	W01000633
152	55.0	Fairwater (Cardiff) 4	Cardiff 031A	W01001750
153	54.9	Porth 4	Rhondda Cynon Taf 020D	W01001232
154	54.7	Llanhilleth 2	Blaenau Gwent 009B	W01001465
155	54.6	Townhill 6	Swansea 019F	W01000867
156	54.5	Buttrills 2	The Vale of Glamorgan 013B	W01001064
157	54.3	Pendery 2	Swansea 013D	W01000831
158	54.2	Castleland 1	The Vale of Glamorgan 015E	W01001073
159	54.1	Pen-y-graig 3	Rhondda Cynon Taf 018C	W01001219
160	54.0	Morrison 7	Swansea 008C	W01000812
161	53.8	Sandfields East 4	Neath Port Talbot 017F	W01000960
162	53.7	Tonyrefail West 3	Rhondda Cynon Taf 023E	W01001255
163	53.6	Ely 4	Cardiff 039D	W01001740
164	53.5	Pillgwenlly 1	Newport 018A	W01001659
165	53.4	Pendery 7	Swansea 011E	W01000836
166	53.2	Pembrey 2	Carmarthenshire 021E	W01000711
167	53.1	Trealaw 3	Rhondda Cynon Taf 018F	W01001261
168	53.0	Tonyrefail East 3	Rhondda Cynon Taf 024C	W01001251
169	52.9	New Tredeggar 2	Caerphilly 002D	W01001385
170	52.7	Bettws (Newport) 1	Newport 003A	W01001617
171	52.6	Tredeggar Central and West 4	Blaenau Gwent 006E	W01001481
172	52.5	Pyle 2	Bridgend 008C	W01001049
173	52.4	Aberavon 2	Neath Port Talbot 017A	W01000884
174	52.3	Aberaman North 2	Rhondda Cynon Taf 005B	W01001138
175	52.2	Morawelon	Isle of Anglesey 003E	W01000033
176	52.0	Caerau (Bridgend) 3	Bridgend 001C	W01000993
177	51.9	Hengoed (Carmarthenshire) 2	Carmarthenshire 023D	W01000668
178	51.8	Splott 8	Cardiff 037D	W01001876
179	51.7	Cadoc 4	The Vale of Glamorgan 009C	W01001070
180	51.6	Neath South 2	Neath Port Talbot 012C	W01000942
181	51.5	Liswerry 5	Newport 015E	W01001646
182	51.4	Argoed (Caerphilly) 1	Caerphilly 005A	W01001334
183	51.3	Sandfields West 4	Neath Port Talbot 016F	W01000964
184	51.1	Pengam 1	Caerphilly 007C	W01001387
185	51.0	Pembroke: Monkton	Pembrokeshire 015B	W01000606
186	50.9	Pontnewydd 1	Torfaen 007A	W01001519
187	50.8	Penllergaer 2	Swansea 004E	W01000838
188	50.7	Trowbridge 8	Cardiff 013D	W01001884
189	50.6	Llanharry 2	Rhondda Cynon Taf 031B	W01001192
190	50.5	Llwynhendy 2	Carmarthenshire 025D	W01000707

changes over time

The table below compares the WIMD 2005 and WIMD 2008 groupings for each LSOA.

The diagonal in bold shows the LSOAs that have not changed groups since WIMD 2005. Looking to the left of this diagonal shows the LSOAs that have changed to a more deprived group in WIMD 2008. Looking to the right of the diagonal shows the LSOAs that have changed to a less deprived group in WIMD 2008. The further right or further down you read the less deprived the group.

WIMD 2005	WIMD 2008					Total
	10% most deprived	10-20% most deprived	20-30% most deprived	30-50% most deprived	50% least deprived	
10% most deprived	157	32	1	0	0	190
10-20% most deprived	31	119	39	1	0	190
20-30% most deprived	2	36	114	38	0	190
30-50% most deprived	0	3	36	290	51	380
50% least deprived	0	0	0	51	895	946
Total	190	190	190	380	946	1896

Summary

- 1575 LSOAs have not changed group since WIMD 2005
- 154 LSOAs have moved up 1 group and 5 LSOAs have moved up 2 groups
- Of these LSOAs, 33 have moved into the 10% most deprived group (31 from the 10-20% most deprived group and 2 from the 20%-30% most deprived group)
- 160 LSOAs have moved down 1 group and 2 LSOAs have moved down 2 groups
- Of these LSOAs, 33 have moved out of the 10% most deprived group (32 to the 10-20% most deprived group and 1 to the 20%-30% most deprived group)

The LSOAs that have changed groups will not have all moved for the same single reason.



indicators

The indicators used for the health domain were:

- Limiting long-term illness (LLTI)
- Standardised all-cause death rate
- Standardised cancer incidence rate
- Singleton low birth weights

local authority results

There are 190 Lower Layer Super Output Areas (LSOA) in the most deprived ten percent in Wales for all deprivation measures.

Rhondda Cynon Taf (17%), Cardiff (16%), and Swansea (8%) **contained** the highest percentage of **the SOAs** in the most deprived ten percent in Wales, for health deprivation.

Merthyr Tydfil (39%), Blaenau Gwent (26%) and Rhondda Cynon Taf (22%) **had** the highest percentage of **their SOAs** in the most deprived ten percent in Wales, for health deprivation.

deprivation scores and ranking

Deprivations scores for the health domain were derived by combining the health indicators (brief details are given in Annex A). These deprivation scores for the 1,896 LSOAs were transformed so that they ran from 100 (the most deprived) to 0 (the least deprived). The scores are not uniformly distributed: scores of the most deprived ten percent run from 100 to about 50, and the scores of the remaining ninety percent run from about 50 to 0. Because of the nature of the transformation the scores will be the same for each domain. That is, the LSOA ranked (say) 75th will have the same score for each domain (it is almost certainly a different LSOA though).

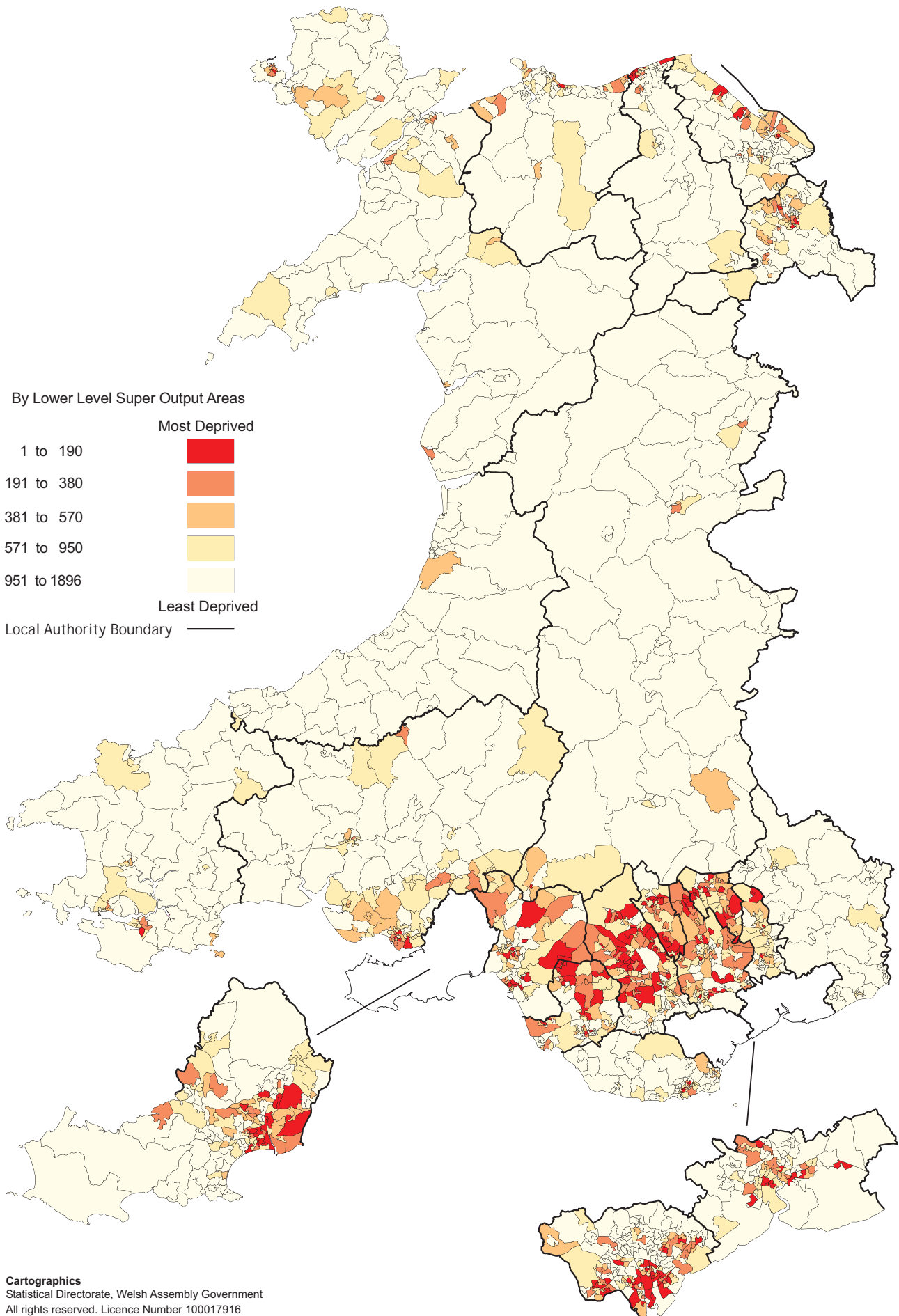
The following table gives (for the ten percent most deprived LSOAs) the:

- rank for the health domain,
- deprivation score for the health domain,
- name of the LSOA,
- ONS LSOA description (which includes the local authority name),
- ONS LSOA code (which begins with W01 where W means Wales and 01 means Lower Layer).

The highest ranked LSOAs (that is, those with a rank closest to 1) are the most deprived.

Higher scores mean more deprivation.

Health Deprivation Domain



health deprivation scores

rank	score	LSOA name	ONS description	ONS code
1	100.0	Brackla 2	Bridgend 016A	W01000980
2	99.1	Penrhiwceiber 1	Rhondda Cynon Taf 008A	W01001209
3	98.2	Cathays 6	Cardiff 032B	W01001723
4	97.4	Rhyl West 2	Denbighshire 004E	W01000240
5	96.6	Abercynon 2	Rhondda Cynon Taf 012B	W01001144
6	95.8	Plasnewydd 4	Cardiff 033C	W01001832
7	95.0	Butetown 2	Cardiff 047B	W01001700
8	94.3	Rhyl South West 2	Denbighshire 006B	W01000237
9	93.6	Liswerry 1	Newport 013A	W01001642
10	92.9	Penderry 1	Swansea 011A	W01000830
11	92.2	Queensway 1	Wrexham 010C	W01000413
12	91.6	Castle 2	Swansea 025A	W01000743
13	90.9	Aberaman South 2	Rhondda Cynon Taf 005E	W01001141
14	90.3	Merthyr Vale 2	Merthyr Tydfil 006C	W01001303
15	89.7	Treharris 4	Merthyr Tydfil 007E	W01001322
16	89.1	Ebbw Vale South 1	Blaenau Gwent 007D	W01001459
17	88.6	Pentre 4	Rhondda Cynon Taf 011D	W01001216
18	88.0	Gurnos 2	Merthyr Tydfil 001B	W01001300
19	87.5	Gurnos 1	Merthyr Tydfil 001A	W01001299
20	86.9	Riverside 7	Cardiff 034D	W01001861
21	86.4	Neath North 2	Neath Port Talbot 008D	W01000939
22	85.9	Adamsdown 5	Cardiff 036E	W01001698
23	85.4	Bettws (Bridgend)	Bridgend 004A	W01000975
24	84.9	Hengoed (Caerphilly) 2	Caerphilly 012B	W01001364
25	84.5	Sandfields East 2	Neath Port Talbot 016B	W01000958
26	84.0	Glyncoch 1	Rhondda Cynon Taf 015A	W01001180
27	83.5	Penydarren 1	Merthyr Tydfil 001D	W01001308
28	83.1	Sirhowy 2	Blaenau Gwent 003B	W01001473
29	82.6	Cathays 9	Cardiff 028E	W01001726
30	82.2	Pen-y-waun 2	Rhondda Cynon Taf 001E	W01001222
31	81.8	Tonyrefail East 2	Rhondda Cynon Taf 024B	W01001250
32	81.4	Bargoed 4	Caerphilly 004D	W01001339
33	81.0	Ely 2	Cardiff 039B	W01001738
34	80.6	Tyisha 2	Carmarthenshire 026E	W01000733
35	80.2	Castle 1	Swansea 016A	W01000742
36	79.8	Bigyn 4	Carmarthenshire 024D	W01000631
37	79.4	Park 3	Merthyr Tydfil 004C	W01001307
38	79.0	Ynysddu 1	Caerphilly 015B	W01001430
39	78.7	Blaenavon 1	Torfaen 001A	W01001487
40	78.3	Aberdare East 4	Rhondda Cynon Taf 003B	W01001150
41	77.9	Pillgwenlly 4	Newport 018D	W01001662
42	77.6	Lliedi 3	Carmarthenshire 022C	W01000705
43	77.2	Llansamlet 1	Swansea 010A	W01000794
44	76.9	Castle 6	Swansea 024A	W01000747
45	76.6	Mountain Ash West 1	Rhondda Cynon Taf 006C	W01001206
46	76.2	Plasnewydd 8	Cardiff 030B	W01001836
47	75.9	Caerau (Cardiff) 3	Cardiff 041A	W01001704
48	75.6	Neath South 1	Neath Port Talbot 012B	W01000941
49	75.3	Court 3	The Vale of Glamorgan 007A	W01001081
50	74.9	Glyn (Conwy) 2	Conwy 007C	W01000144
51	74.6	Uplands 6	Swansea 026C	W01000873
52	74.3	Aberbargoed 2	Caerphilly 003B	W01001326
53	74.0	Cyfarthfa 2	Merthyr Tydfil 004A	W01001292
54	73.7	St. James 3	Caerphilly 022E	W01001421
55	73.4	Queensway 2	Wrexham 010D	W01000414
56	73.1	Upper Cwmbran 1	Torfaen 009C	W01001536
57	72.9	Cwmbach 2	Rhondda Cynon Taf 004C	W01001169
58	72.6	Alway 2	Newport 015A	W01001607
59	72.3	Aberavon 2	Neath Port Talbot 017A	W01000884
60	72.0	Townhill 1	Swansea 019A	W01000862
61	71.8	Tonyrefail West 3	Rhondda Cynon Taf 023E	W01001255
62	71.5	Merthyr Vale 1	Merthyr Tydfil 006B	W01001302
63	71.2	Port Talbot 3	Neath Port Talbot 018C	W01000951
64	71.0	Penydarren 2	Merthyr Tydfil 001E	W01001309
65	70.7	Maerdy 2	Rhondda Cynon Taf 009D	W01001203

health deprivation scores continued

rank	score	LSOA name	ONS description	ONS code
66	70.4	Tredegar Central and West 2	Blaenau Gwent 006D	W01001479
67	70.2	Aberdare West/Llwydcoed 2	Rhondda Cynon Taf 002B	W01001152
68	69.9	Caerau (Bridgend) 1	Bridgend 001A	W01000991
69	69.7	Cathays 3	Cardiff 028C	W01001720
70	69.4	Pen-y-graig 3	Rhondda Cynon Taf 018C	W01001219
71	69.2	Tylorstown 1	Rhondda Cynon Taf 013B	W01001274
72	68.9	Rhyl West 1	Denbighshire 004D	W01000239
73	68.7	Trevethin 1	Torfaen 003C	W01001530
74	68.5	Aberavon 4	Neath Port Talbot 017C	W01000886
75	68.2	Hirwaun 3	Rhondda Cynon Taf 001C	W01001188
76	68.0	Hermitage 2	Wrexham 012B	W01000382
77	67.8	Adamsdown 3	Cardiff 036C	W01001696
78	67.6	Llanrumney 3	Cardiff 015B	W01001804
79	67.3	Bryn and Cwmavon 3	Neath Port Talbot 014C	W01000900
80	67.1	Ynysawdre 1	Bridgend 006B	W01001057
81	66.9	Plasnewydd 7	Cardiff 033F	W01001835
82	66.7	Townhill 5	Swansea 019E	W01000866
83	66.5	Grangetown 4	Cardiff 046D	W01001762
84	66.2	Cwmtillery 2	Blaenau Gwent 008E	W01001454
85	66.0	Caerau (Cardiff) 2	Cardiff 045B	W01001703
86	65.8	Morfa 1	Bridgend 014A	W01001021
87	65.6	Bedwas, Trethomas and Machen 6	Caerphilly 021C	W01001345
88	65.4	Morrison 9	Swansea 008E	W01000814
89	65.2	Rhyl South West 1	Denbighshire 006A	W01000236
90	65.0	Pembroke: Monkton	Pembrokeshire 015B	W01000606
91	64.8	Cymmer (Neath Port Talbot) 2	Neath Port Talbot 011B	W01000921
92	64.6	Rhyl West 3	Denbighshire 004F	W01000241
93	64.4	Malpas 2	Newport 002B	W01001652
94	64.2	Mynyddbach 1	Swansea 009A	W01000817
95	64.0	Shotton Higher 2	Flintshire 009E	W01000336
96	63.8	Ystrad 4	Rhondda Cynon Taf 014G	W01001288
97	63.6	Ynyshir 1	Rhondda Cynon Taf 017E	W01001280
98	63.4	Flint Coleshill 1	Flintshire 005A	W01000289
99	63.2	Aberavon 3	Neath Port Talbot 017B	W01000885
100	63.1	Gurnos 3	Merthyr Tydfil 001C	W01001301
101	62.9	Caerau (Bridgend) 2	Bridgend 001B	W01000992
102	62.7	Nantyglo 2	Blaenau Gwent 005E	W01001468
103	62.5	Tylorstown 3	Rhondda Cynon Taf 013D	W01001276
104	62.3	Trealaw 2	Rhondda Cynon Taf 014C	W01001260
105	62.1	Gilfach Goch 2	Rhondda Cynon Taf 023B	W01001179
106	62.0	Bryncoch	Bridgend 007B	W01000987
107	61.8	Llandaff North 2	Cardiff 023B	W01001786
108	61.6	Neath East 4	Neath Port Talbot 013E	W01000937
109	61.4	Plasnewydd 2	Cardiff 033B	W01001830
110	61.3	Buttrills 2	The Vale of Glamorgan 013B	W01001064
111	61.1	Spott 1	Cardiff 038A	W01001869
112	60.9	Greenfield 1	Flintshire 003C	W01000296
113	60.8	Rhondda 1	Rhondda Cynon Taf 021E	W01001234
114	60.6	Tonna 2	Neath Port Talbot 005D	W01000970
115	60.4	Graig (Rhondda Cynon Taf) 2	Rhondda Cynon Taf 021B	W01001183
116	60.3	Plasnewydd 1	Cardiff 033A	W01001829
117	60.1	Pentwyn 5	Cardiff 017D	W01001813
118	59.9	Tredegar Central and West 3	Blaenau Gwent 003E	W01001480
119	59.8	Llwyn-y-pia 1	Rhondda Cynon Taf 014A	W01001200
120	59.6	Port Talbot 4	Neath Port Talbot 018D	W01000952
121	59.5	Treherbert 1	Rhondda Cynon Taf 007A	W01001265
122	59.3	Riverside 3	Cardiff 042C	W01001857
123	59.1	Cornelly 4	Bridgend 010D	W01001002
124	59.0	Dowlais 4	Merthyr Tydfil 002D	W01001298
125	58.8	Moriah 2	Caerphilly 001B	W01001375
126	58.7	Landore 2	Swansea 016D	W01000788
127	58.5	Alway 4	Newport 015B	W01001609
128	58.4	Connah's Quay Golftyn 4	Flintshire 007D	W01000278
129	58.2	Canton 4	Cardiff 040D	W01001712
130	58.1	Llwynhendy 3	Carmarthenshire 025E	W01000708

health deprivation scores continued

rank	score	LSOA name	ONS description	ONS code
131	57.9	Splott 6	Cardiff 038D	W01001874
132	57.8	Victoria 2	Newport 011D	W01001691
133	57.6	Splott 2	Cardiff 037A	W01001870
134	57.5	Ely 10	Cardiff 041D	W01001746
135	57.3	Maerdy 1	Rhondda Cynon Taf 009C	W01001202
136	57.2	Grangetown 1	Cardiff 046A	W01001759
137	57.0	Twyn Carno 1	Caerphilly 001E	W01001428
138	56.9	Pillgwenly 1	Newport 018A	W01001659
139	56.8	Blackmill 2	Bridgend 003B	W01000977
140	56.6	Dowlais 1	Merthyr Tydfil 002A	W01001295
141	56.5	Penrhiwceiber 4	Rhondda Cynon Taf 008D	W01001212
142	56.3	Moriah 3	Caerphilly 001C	W01001376
143	56.2	St. James 2	Caerphilly 022D	W01001420
144	56.1	Aberaman North 1	Rhondda Cynon Taf 005A	W01001137
145	55.9	Argoed (Caerphilly) 1	Caerphilly 005A	W01001334
146	55.8	Townhill 3	Swansea 019C	W01000864
147	55.7	Stow Hill 2	Newport 014C	W01001686
148	55.5	Plasnewydd 5	Cardiff 033D	W01001833
149	55.4	Penyrheol (Caerphilly) 4	Caerphilly 023D	W01001396
150	55.3	Castle 4	Swansea 025B	W01000745
151	55.1	Blaenavon 2	Torfaen 001B	W01001488
152	55.0	Pontlottyn	Caerphilly 001D	W01001406
153	54.9	Ely 4	Cardiff 039D	W01001740
154	54.7	Llwyn-y-pia 2	Rhondda Cynon Taf 014B	W01001201
155	54.6	Pen-y-graig 2	Rhondda Cynon Taf 018B	W01001218
156	54.5	Ebbw Vale North 2	Blaenau Gwent 004D	W01001457
157	54.3	Crynant	Neath Port Talbot 002A	W01000918
158	54.2	Tredegarr Central and West 4	Blaenau Gwent 006E	W01001481
159	54.1	Landore 3	Swansea 016E	W01000789
160	54.0	Abertillery 1	Blaenau Gwent 008A	W01001435
161	53.8	Bedwas, Trethomas and Machen 2	Caerphilly 020B	W01001341
162	53.7	Ystradgynlais 1	Powys 019E	W01000504
163	53.6	Trowbridge 3	Cardiff 013A	W01001879
164	53.5	Llanhilleth 1	Blaenau Gwent 009A	W01001464
165	53.4	Maesteg East 2	Bridgend 002B	W01001015
166	53.2	Treharris 3	Merthyr Tydfil 007D	W01001321
167	53.1	Nant-y-moel 2	Bridgend 003D	W01001025
168	53.0	Tredegarr Park 2	Newport 019D	W01001689
169	52.9	London Road	Isle of Anglesey 003C	W01000029
170	52.7	Caerau (Bridgend) 4	Bridgend 001D	W01000994
171	52.6	Cwm 2	Blaenau Gwent 007B	W01001451
172	52.5	Ystrad 1	Rhondda Cynon Taf 014D	W01001285
173	52.4	Ely 5	Cardiff 039E	W01001741
174	52.3	Rhyl East 3	Denbighshire 004C	W01000228
175	52.2	Morrison 7	Swansea 008C	W01000812
176	52.0	Ystrad 3	Rhondda Cynon Taf 014F	W01001287
177	51.9	Gwersyllt West 1	Wrexham 004C	W01000379
178	51.8	Sandfields East 1	Neath Port Talbot 017D	W01000957
179	51.7	Llanwern 2	Newport 004E	W01001650
180	51.6	Pyle 5	Bridgend 008F	W01001052
181	51.5	Buttrills 4	The Vale of Glamorgan 015D	W01001066
182	51.4	Maesteg West 4	Bridgend 002E	W01001020
183	51.3	Butetown 1	Cardiff 047A	W01001699
184	51.1	Cymmer (Neath Port Talbot) 1	Neath Port Talbot 011A	W01000920
185	51.0	Beaufort 2	Blaenau Gwent 001B	W01001441
186	50.9	Mountain Ash East 2	Rhondda Cynon Taf 006B	W01001205
187	50.8	Bonymaen 1	Swansea 014A	W01000738
188	50.7	Wynnstay	Wrexham 010E	W01000425
189	50.6	Prestatyn East 1	Denbighshire 002B	W01000214
190	50.5	Bedlinog 2	Merthyr Tydfil 007A	W01001290

changes over time

The table below compares the WIMD 2005 and WIMD 2008 groupings for each LSOA.

The diagonal in bold shows the LSOAs that have not changed groups since WIMD 2005. Looking to the left of this diagonal shows the LSOAs that have changed to a more deprived group in WIMD 2008. Looking to the right of the diagonal shows the LSOAs that have changed to a less deprived group in WIMD 2008. The further right or further down you read the less deprived the group.

WIMD 2005	WIMD 2008					Total
	10% most deprived	10-20% most deprived	20-30% most deprived	30-50% most deprived	50% least deprived	
10% most deprived	127	41	15	4	3	190
10-20% most deprived	41	64	44	33	8	190
20-30% most deprived	12	46	59	66	7	190
30-50% most deprived	6	36	62	175	101	380
50% least deprived	4	3	10	102	827	946
Total	190	190	190	380	946	1896

Summary

- 1252 LSOAs have not changed group since WIMD 2005
- 251 LSOAs have moved up 1 group, 58 LSOAs have moved up 2 groups, 9 LSOAs have moved up 3 groups and 4 LSOAs have moved up 4 groups
- Of these LSOAs, 63 have moved into the 10% most deprived group (41 from the 10-20% most deprived group, 12 from the 20-30% most deprived group, 6 from the 30-50% most deprived group and 4 from the 50% least deprived group)
- 252 LSOAs have moved down 1 group, 55 LSOAs have moved down 2 groups, 12 LSOAs have moved down 3 groups and 3 LSOAs have moved down 4 groups
- Of these LSOAs, 63 have moved out of the 10% most deprived group (41 to the 10-20% most deprived group, 15 to the 20-30% most deprived group, 4 to the 30-50% most deprived group and 3 to the 50% least deprived group)

The LSOAs that have changed groups will not have all moved for the same single reason.





education, skills, and training

indicators

The indicators used for the education, skills, and training domain were:

- Key Stage 2, average point scores
- Key Stage 3, average point scores
- Key Stage 4, average point scores
- Primary School all absence rate
- Secondary School all absence rate
- Proportion of people not entering Higher Education aged 18-19
- Proportion of adults aged 25 – 59 / 64 with no qualifications

local authority results

There are 190 Lower Layer Super Output Areas (LSOA) in the most deprived ten percent in Wales for all deprivation measures.

Cardiff (22%), Rhondda Cynon Taf (13%), Swansea (11%) and Newport (9%) **contained** the highest percentage **of the SOAs** in the most deprived ten percent in Wales, for education deprivation.

Cardiff (20%), Merthyr Tydfil (19%), Newport (19%) and Rhondda Cynon Taf (16%) **had** the highest percentage **of their SOAs** in the most deprived ten percent in Wales, for education deprivation.

deprivation scores and ranking

Deprivations scores for the income domain were derived by combining the education indicators (brief details are given in Annex A). These education scores for the 1,896 LSOAs were transformed so that they ran from 100 (the most deprived) to 0 (the least deprived). The scores are not uniformly distributed: scores of the most deprived ten percent run from 100 to about 50, and the scores of the remaining ninety percent run from about 50 to 0. Because of the nature of the transformation the scores will be the same for each domain. That is, the LSOA ranked (say) 75th will have the same score for each domain (it is almost certainly a different LSOA though).

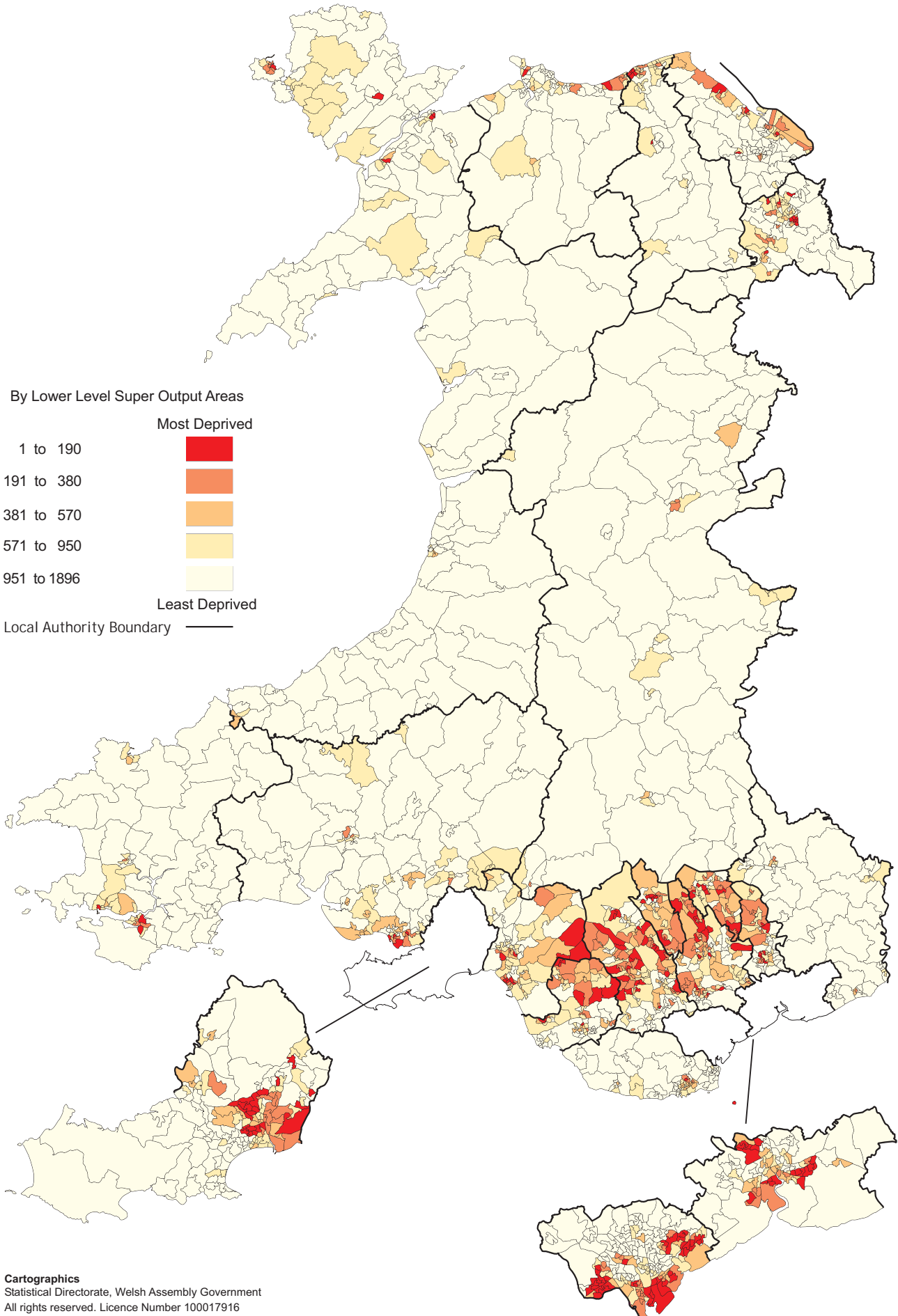
The following table gives (for the ten percent most deprived LSOAs) the:

- rank for the education, skills, and training domain,
- deprivation score for the education, skills, and training domain,
- name of the LSOA,
- ONS LSOA description (which includes the local authority name),
- ONS LSOA code (which begins with W01 where W means Wales and 01 means Lower Layer).

The highest ranked LSOAs (that is, those with a rank closest to 1) are the most deprived.

Higher scores mean more deprivation.

Education, Skills and Training Deprivation Domain



education, skills, and training deprivation scores

rank	score	LSOA name	ONS description	ONS code
1	100.0	Ely 3	Cardiff 039C	W01001739
2	99.1	Tredegar Central and West 2	Blaenau Gwent 006D	W01001479
3	98.2	Caerau (Bridgend) 1	Bridgend 001A	W01000991
4	97.4	Pen-y-waun 2	Rhondda Cynon Taf 001E	W01001222
5	96.6	Ely 5	Cardiff 039E	W01001741
6	95.8	Townhill 1	Swansea 019A	W01000862
7	95.0	Penydarren 1	Merthyr Tydfil 001D	W01001308
8	94.3	Townhill 3	Swansea 019C	W01000864
9	93.6	Cymmer (Neath Port Talbot) 2	Neath Port Talbot 011B	W01000921
10	92.9	Queensway 1	Wrexham 010C	W01000413
11	92.2	Wynnstay	Wrexham 010E	W01000425
12	91.6	Penderry 7	Swansea 011E	W01000836
13	90.9	Tredegar Park 2	Newport 019D	W01001689
14	90.3	Twyn Carno 1	Caerphilly 001E	W01001428
15	89.7	Penderry 3	Swansea 011B	W01000832
16	89.1	Penderry 1	Swansea 011A	W01000830
17	88.6	Penrhiwceiber 1	Rhondda Cynon Taf 008A	W01001209
18	88.0	Rumney 5	Cardiff 016B	W01001867
19	87.5	Glyncoch 1	Rhondda Cynon Taf 015A	W01001180
20	86.9	Ely 2	Cardiff 039B	W01001738
21	86.4	Rhyl South West 2	Denbighshire 006B	W01000237
22	85.9	Alway 4	Newport 015B	W01001609
23	85.4	New Tredegar 3	Caerphilly 002E	W01001386
24	84.9	Butetown 1	Cardiff 047A	W01001699
25	84.5	Caerau (Cardiff) 3	Cardiff 041A	W01001704
26	84.0	Penderry 4	Swansea 011C	W01000833
27	83.5	Sandfields West 2	Neath Port Talbot 016D	W01000962
28	83.1	Abercynon 2	Rhondda Cynon Taf 012B	W01001144
29	82.6	Penderry 5	Swansea 011D	W01000834
30	82.2	Townhill 5	Swansea 019E	W01000866
31	81.8	Gurnos 1	Merthyr Tydfil 001A	W01001299
32	81.4	Hengoed (Caerphilly) 2	Caerphilly 012B	W01001364
33	81.0	Townhill 2	Swansea 019B	W01000863
34	80.6	Cyfarthfa 2	Merthyr Tydfil 004A	W01001292
35	80.2	Ely 4	Cardiff 039D	W01001740
36	79.8	Cartrefle 2	Wrexham 010B	W01000353
37	79.4	Ringland 5	Newport 010C	W01001667
38	79.0	Tylorstown 1	Rhondda Cynon Taf 013B	W01001274
39	78.7	Trowbridge 4	Cardiff 013B	W01001880
40	78.3	Ely 10	Cardiff 041D	W01001746
41	77.9	Merthyr Vale 2	Merthyr Tydfil 006C	W01001303
42	77.6	Pentwyn 3	Cardiff 009A	W01001811
43	77.2	Trowbridge 8	Cardiff 013D	W01001884
44	76.9	Trevethin 1	Torfaen 003C	W01001530
45	76.6	Shotton Higher 2	Flintshire 009E	W01000336
46	76.2	Bonymaen 1	Swansea 014A	W01000738
47	75.9	Llanrumney 7	Cardiff 007C	W01001808
48	75.6	St. James 3	Caerphilly 022E	W01001421
49	75.3	Ringland 4	Newport 010B	W01001666
50	74.9	Maerdy 2	Rhondda Cynon Taf 009D	W01001203
51	74.6	Rhyl West 3	Denbighshire 004F	W01000241
52	74.3	Rhyl West 2	Denbighshire 004E	W01000240
53	74.0	Townhill 6	Swansea 019F	W01000867
54	73.7	Argoed (Caerphilly) 1	Caerphilly 005A	W01001334
55	73.4	Alway 2	Newport 015A	W01001607
56	73.1	Gurnos 2	Merthyr Tydfil 001B	W01001300
57	72.9	Butetown 2	Cardiff 047B	W01001700
58	72.6	Darren Valley 2	Caerphilly 002B	W01001361
59	72.3	Sirhowy 2	Blaenau Gwent 003B	W01001473
60	72.0	Bettws (Newport) 1	Newport 003A	W01001617
61	71.8	Bettws (Bridgend)	Bridgend 004A	W01000975
62	71.5	Caerau (Bridgend) 2	Bridgend 001B	W01000992
63	71.2	Pembroke: Monkton	Pembrokeshire 015B	W01000606
64	71.0	Ely 8	Cardiff 043C	W01001744
65	70.7	Gilfach Goch 2	Rhondda Cynon Taf 023B	W01001179

education, skills, and training deprivation scores *continued*

rank	score	LSOA name	ONS description	ONS code
66	70.4	Cymmer (Rhondda Cynon Taf) 3	Rhondda Cynon Taf 020B	W01001173
67	70.2	Splott 6	Cardiff 038D	W01001874
68	69.9	Tyn-y-nant 3	Rhondda Cynon Taf 028F	W01001279
69	69.7	Splott 8	Cardiff 037D	W01001876
70	69.4	Llanrumney 6	Cardiff 007B	W01001807
71	69.2	Malpas 2	Newport 002B	W01001652
72	68.9	Ely 1	Cardiff 039A	W01001737
73	68.7	Marchog 1	Gwynedd 002D	W01000090
74	68.5	Rhyl West 1	Denbighshire 004D	W01000239
75	68.2	Rhydfelen Central/llan 2	Rhondda Cynon Taf 022C	W01001238
76	68.0	Ely 6	Cardiff 043A	W01001742
77	67.8	Plas Madoc	Wrexham 017E	W01000409
78	67.6	Bargoed 4	Caerphilly 004D	W01001339
79	67.3	Cymmer (Rhondda Cynon Taf) 4	Rhondda Cynon Taf 020C	W01001174
80	67.1	Trowbridge 7	Cardiff 016C	W01001883
81	66.9	Ringland 6	Newport 010D	W01001668
82	66.7	Penrhiwceiber 2	Rhondda Cynon Taf 008B	W01001210
83	66.5	Pendery 6	Swansea 013E	W01000835
84	66.2	Trowbridge 3	Cardiff 013A	W01001879
85	66.0	Penrhiwceiber 4	Rhondda Cynon Taf 008D	W01001212
86	65.8	Peblig (Caernarfon)	Gwynedd 006C	W01000098
87	65.6	Pembroke Dock: Llanion 1	Pembrokeshire 013B	W01000601
88	65.4	Splott 3	Cardiff 037B	W01001871
89	65.2	St. Cadocs and Penygarn	Torfaen 003A	W01001525
90	65.0	Pen-y-waun 1	Rhondda Cynon Taf 001D	W01001221
91	64.8	Trealaw 2	Rhondda Cynon Taf 014C	W01001260
92	64.6	Mynyddbach 1	Swansea 009A	W01000817
93	64.4	Pillgwenlly 1	Newport 018A	W01001659
94	64.2	Sandfields East 2	Neath Port Talbot 016B	W01000958
95	64.0	Caerau (Cardiff) 2	Cardiff 045B	W01001703
96	63.8	Queensway 2	Wrexham 010D	W01000414
97	63.6	Tonyrefail West 3	Rhondda Cynon Taf 023E	W01001255
98	63.4	Bettws (Newport) 5	Newport 003E	W01001621
99	63.2	Pontllanfraith 2	Caerphilly 011B	W01001402
100	63.1	Cockett 8	Swansea 013C	W01000762
101	62.9	Aberbargoed 1	Caerphilly 003A	W01001325
102	62.7	Fairwater (Cardiff) 7	Cardiff 031C	W01001753
103	62.5	Cwmbach 2	Rhondda Cynon Taf 004C	W01001169
104	62.3	Pillgwenlly 4	Newport 018D	W01001662
105	62.1	Ebbw Vale North 2	Blaenau Gwent 004D	W01001457
106	62.0	Gwynfi	Neath Port Talbot 011D	W01000930
107	61.8	Caerau (Bridgend) 3	Bridgend 001C	W01000993
108	61.6	Alway 5	Newport 015C	W01001610
109	61.4	Ebbw Vale South 1	Blaenau Gwent 007D	W01001459
110	61.3	Abergele Pensarn	Conwy 010A	W01000120
111	61.1	Castle 1	Swansea 016A	W01000742
112	60.9	Adamsdown 3	Cardiff 036C	W01001696
113	60.8	Denbigh Upper/Henllan 1	Denbighshire 011B	W01000198
114	60.6	Bettws (Newport) 3	Newport 003C	W01001619
115	60.4	Glyncorrwg	Neath Port Talbot 011C	W01000924
116	60.3	Trowbridge 10	Cardiff 016D	W01001886
117	60.1	Cornelly 4	Bridgend 010D	W01001002
118	59.9	Riverside 3	Cardiff 042C	W01001857
119	59.8	Morawelon	Isle of Anglesey 003E	W01000033
120	59.6	Pillgwenlly 3	Newport 018C	W01001661
121	59.5	Caerau (Cardiff) 6	Cardiff 041C	W01001707
122	59.3	Newbridge 2	Caerphilly 010B	W01001381
123	59.1	Brymbo 2	Wrexham 006B	W01000348
124	59.0	Sandfields West 3	Neath Port Talbot 016E	W01000963
125	58.8	Townhill 4	Swansea 019D	W01000865
126	58.7	Penydarren 2	Merthyr Tydfil 001E	W01001309
127	58.5	Pendery 2	Swansea 013D	W01000831
128	58.4	Llanrumney 2	Cardiff 015A	W01001803
129	58.2	Neath South 2	Neath Port Talbot 012C	W01000942
130	58.1	Rhyl South West 1	Denbighshire 006A	W01000236

education, skills, and training deprivation scores continued

rank	score	LSOA name	ONS description	ONS code
131	57.9	Adamsdown 2	Cardiff 036B	W01001695
132	57.8	St. Dials 1	Torfaen 010B	W01001526
133	57.6	Penyrheol (Caerphilly) 8	Caerphilly 019F	W01001400
134	57.5	Glanymor 3	Carmarthenshire 026C	W01000661
135	57.3	Llansamlet 6	Swansea 010D	W01000799
136	57.2	Briton Ferry West 1	Neath Port Talbot 013C	W01000896
137	57.0	Tudno 2	Conwy 002C	W01000187
138	56.9	Maerdy 1	Rhondda Cynon Taf 009C	W01001202
139	56.8	Aberavon 4	Neath Port Talbot 017C	W01000886
140	56.6	Pyle 2	Bridgend 008C	W01001049
141	56.5	Bedwas, Trethomas and Machen 6	Caerphilly 021C	W01001345
142	56.3	Bettws (Newport) 2	Newport 003B	W01001618
143	56.2	Pentwyn 2	Cardiff 017B	W01001810
144	56.1	Blackmill 1	Bridgend 003A	W01000976
145	55.9	Tonyrefail East 3	Rhondda Cynon Taf 024C	W01001251
146	55.8	Morfa 2	Bridgend 014B	W01001022
147	55.7	Cwm Clydach 1	Rhondda Cynon Taf 016A	W01001166
148	55.5	Bettws (Newport) 4	Newport 003D	W01001620
149	55.4	Gurnos 3	Merthyr Tydfil 001C	W01001301
150	55.3	Whitegate 1	Wrexham 012D	W01000423
151	55.1	Splott 5	Cardiff 038C	W01001873
152	55.0	Mold West 1	Flintshire 016F	W01000318
153	54.9	Greenmeadow 1	Torfaen 009A	W01001501
154	54.7	Aberavon 3	Neath Port Talbot 017B	W01000885
155	54.6	Ynysgir 1	Rhondda Cynon Taf 017E	W01001280
156	54.5	Gwersyllt North 2	Wrexham 004B	W01000378
157	54.3	Butetown 3	Cardiff 047C	W01001701
158	54.2	Gibbonsdown 2	The Vale of Glamorgan 007D	W01001095
159	54.1	Smithfield	Wrexham 012C	W01000421
160	54.0	Upper Cwmbran 1	Torfaen 009C	W01001536
161	53.8	Milford: Hubberston 2	Pembrokeshire 012D	W01000592
162	53.7	Llandaff North 4	Cardiff 023D	W01001788
163	53.6	Llwynhendy 2	Carmarthenshire 025D	W01000707
164	53.5	Marchog 2	Gwynedd 001D	W01000091
165	53.4	Morrison 5	Swansea 003D	W01000810
166	53.2	Clydach 3	Swansea 002C	W01000752
167	53.1	New Tredegar 2	Caerphilly 002D	W01001385
168	53.0	Rumney 4	Cardiff 016A	W01001866
169	52.9	Blackmill 2	Bridgend 003B	W01000977
170	52.7	Liswerry 5	Newport 015E	W01001646
171	52.6	Pen-y-graig 3	Rhondda Cynon Taf 018C	W01001219
172	52.5	Llay 3	Wrexham 003E	W01000392
173	52.4	Fairwater (Cardiff) 5	Cardiff 027D	W01001751
174	52.3	Caerau (Cardiff) 7	Cardiff 045D	W01001708
175	52.2	Mountain Ash West 2	Rhondda Cynon Taf 006D	W01001207
176	52.0	Llanhilleth 2	Blaenau Gwent 009B	W01001465
177	51.9	Llansamlet 8	Swansea 006D	W01000801
178	51.8	Flint Castle	Flintshire 004A	W01000288
179	51.7	Tyisha 2	Carmarthenshire 026E	W01000733
180	51.6	Tylorstown 3	Rhondda Cynon Taf 013D	W01001276
181	51.5	Riverside 1	Cardiff 042A	W01001855
182	51.4	Tudur	Isle of Anglesey 006D	W01000041
183	51.3	Upper Cwmbran 4	Torfaen 009E	W01001539
184	51.1	Rumney 6	Cardiff 022D	W01001868
185	51.0	Llanrumney 3	Cardiff 015B	W01001804
186	50.9	Two Locks 1	Torfaen 010E	W01001532
187	50.8	Caerau (Cardiff) 4	Cardiff 045C	W01001705
188	50.7	Greenfield 1	Flintshire 003C	W01000296
189	50.6	Nantyglo 3	Blaenau Gwent 005F	W01001469
190	50.5	Ringland 2	Newport 010A	W01001664

changes over time

The table below compares the WIMD 2005 and WIMD 2008 groupings for each LSOA.

The diagonal in bold shows the LSOAs that have not changed groups since WIMD 2005. Looking to the left of this diagonal shows the LSOAs that have changed to a more deprived group in WIMD 2008. Looking to the right of the diagonal shows the LSOAs that have changed to a less deprived group in WIMD 2008. The further right or further down you read the less deprived the group.

WIMD 2005	WIMD 2008					Total
	10% most deprived	10-20% most deprived	20-30% most deprived	30-50% most deprived	50% least deprived	
10% most deprived	151	33	6	0	0	190
10-20% most deprived	36	111	34	9	0	190
20-30% most deprived	3	42	95	48	2	190
30-50% most deprived	0	4	54	243	79	380
50% least deprived	0	0	1	80	865	946
Total	190	190	190	380	946	1896

Summary

- 1465 LSOAs have not changed group since WIMD 2005
- 212 LSOAs have moved up 1 group and 8 LSOAs have moved up 2 groups
- Of these LSOAs, 39 have moved into the 10% most deprived group (36 from the 10-20% most deprived group and 3 from the 20-30% most deprived group)
- 194 LSOAs have moved down 1 group and 17 LSOAs have moved down 2 groups
- Of these LSOAs, 39 have moved out of the 10% most deprived group (33 to the 10-20% most deprived group and 6 to the 20-30% most deprived group)

The LSOAs that have changed groups will not have all moved for the same single reason.





indicators

The indicators used for the housing domain were:

- lack of central heating
- overcrowding (excluding student households)

local authority results

There are 190 Lower Layer Super Output Areas (LSOA) in the most deprived ten percent in Wales for all deprivation measures.

Cardiff (28%), Gwynedd (16%), Wrexham (14%) **contained** the highest percentage **of the SOAs** in the most deprived ten percent in Wales, for housing deprivation.

Gwynedd (41%), Wrexham (31%), Cardiff (27%), Denbighshire (21%), Conwy (20%), Ceredigion (19%), and the Isle of Anglesey (18%) **had** the highest percentage **of their SOAs** in the most deprived ten percent in Wales, for housing deprivation.

deprivation scores and ranking

Deprivations scores for the housing domain were derived by combining the housing indicators (brief details are given in Annex A). These deprivation scores for the 1,896 LSOAs were transformed so that they ran from 100 (the most deprived) to 0 (the least deprived). The scores are not uniformly distributed: scores of the most deprived ten percent run from 100 to about 50, and the scores of the remaining ninety percent run from about 50 to 0. Because of the nature of the transformation the scores will be the same for each domain. That is, the LSOA ranked (say) 75th will have the same score for each domain (it is almost certainly a different LSOA though).

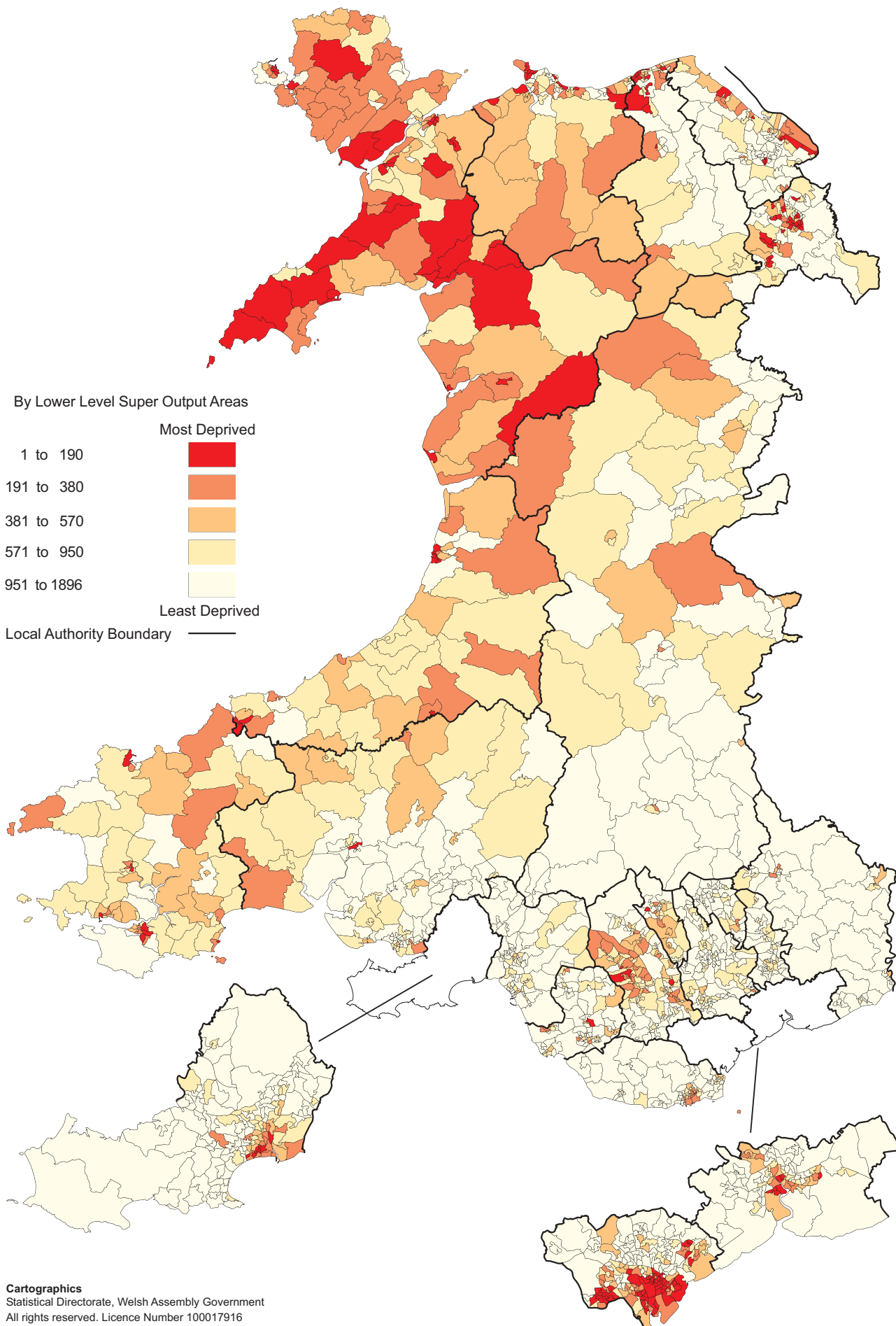
The following table gives (for the ten percent most deprived LSOAs) the:

- rank for the housing domain,
- deprivation score for the housing domain,
- name of the LSOA,
- ONS LSOA description (which includes the local authority name),
- ONS LSOA code (which begins with W01 where W means Wales and 01 means Lower Layer).

The highest ranked LSOAs (that is, those with a rank closest to 1) are the most deprived.

Higher scores mean more deprivation.

Housing Deprivation Domain



housing deprivation scores

rank	score	LSOA name	ONS description	ONS code
1	100.0	Aberystwyth Canol/Central	Ceredigion 002B	W01000513
2	99.1	Rhyl West 2	Denbighshire 004E	W01000240
3	98.2	Shotton Higher 2	Flintshire 009E	W01000336
4	97.4	Gwersyllt North 2	Wrexham 004B	W01000378
5	96.6	Rhyl West 1	Denbighshire 004D	W01000239
6	95.8	Pembroke: Monkton	Pembrokeshire 015B	W01000606
7	95.0	Plas Madoc	Wrexham 017E	W01000409
8	94.3	Rhyl South West 2	Denbighshire 006B	W01000237
9	93.6	Milford: Hubberston 2	Pembrokeshire 012D	W01000592
10	92.9	Aberystwyth Rheidol 1	Ceredigion 002D	W01000517
11	92.2	Cartrefle 2	Wrexham 010B	W01000353
12	91.6	Coedpoeth 1	Wrexham 006C	W01000362
13	90.9	Wynnstay	Wrexham 010E	W01000425
14	90.3	Marchog 1	Gwynedd 002D	W01000090
15	89.7	Gogarth 1	Conwy 001B	W01000146
16	89.1	Plasnewydd 2	Cardiff 033B	W01001830
17	88.6	Grangetown 8	Cardiff 044C	W01001766
18	88.0	Glyn (Conwy) 2	Conwy 007C	W01000144
19	87.5	Queensway 2	Wrexham 010D	W01000414
20	86.9	Pentre Mawr 1	Conwy 010E	W01000178
21	86.4	Rhyl South West 1	Denbighshire 006A	W01000236
22	85.9	Cathays 6	Cardiff 032B	W01001723
23	85.4	Aberteifi/Cardigan - Teifi	Ceredigion 009E	W01000511
24	84.9	Riverside 8	Cardiff 042D	W01001862
25	84.5	Plasnewydd 4	Cardiff 033C	W01001832
26	84.0	Aberystwyth Gogledd/North	Ceredigion 002C	W01000514
27	83.5	Adamsdown 2	Cardiff 036B	W01001695
28	83.1	Aberystwyth Penparcau 1	Ceredigion 003A	W01000515
29	82.6	Llanaelhaearn	Gwynedd 011C	W01000078
30	82.2	Brynyffynnon 2	Wrexham 011B	W01000350
31	81.8	Aberdaron	Gwynedd 014A	W01000045
32	81.4	Tudno 2	Conwy 002C	W01000187
33	81.0	Riverside 2	Cardiff 042B	W01001856
34	80.6	Pebblig (Caernarfon)	Gwynedd 006C	W01000098
35	80.2	Adamsdown 5	Cardiff 036E	W01001698
36	79.8	Penycae	Wrexham 013C	W01000406
37	79.4	Morawelon	Isle of Anglesey 003E	W01000033
38	79.0	Llay 3	Wrexham 003E	W01000392
39	78.7	Landore 4	Swansea 016F	W01000790
40	78.3	Whitegate 1	Wrexham 012D	W01000423
41	77.9	Splott 6	Cardiff 038D	W01001874
42	77.6	Smithfield	Wrexham 012C	W01000421
43	77.2	Butetown 2	Cardiff 047B	W01001700
44	76.9	Prestatyn Central 2	Denbighshire 002A	W01000213
45	76.6	Craig-y-Don 1	Conwy 001A	W01000132
46	76.2	Ely 6	Cardiff 043A	W01001742
47	75.9	Cefn 3	Wrexham 017C	W01000356
48	75.6	Porthyfelin 1	Isle of Anglesey 003F	W01000036
49	75.3	Tudno 1	Conwy 001E	W01000186
50	74.9	Plasnewydd 7	Cardiff 033F	W01001835
51	74.6	Grangetown 6	Cardiff 044A	W01001764
52	74.3	Ely 3	Cardiff 039C	W01001739
53	74.0	Pwllheli North	Gwynedd 012D	W01000108
54	73.7	London Road	Isle of Anglesey 003C	W01000029
55	73.4	Gerlan	Gwynedd 003B	W01000071
56	73.1	Queensway 1	Wrexham 010C	W01000413
57	72.9	Castle 4	Swansea 025B	W01000745
58	72.6	Grosvenor 2	Wrexham 008C	W01000372
59	72.3	Rhyl South East 4	Denbighshire 007C	W01000234
60	72.0	Abermaw 2	Gwynedd 016B	W01000049
61	71.8	Pembroke Dock: Llanion 1	Pembrokeshire 013B	W01000601
62	71.5	Pwllheli South	Gwynedd 012E	W01000109
63	71.2	Llanidan	Isle of Anglesey 009C	W01000027
64	71.0	Rhiw 3	Conwy 007D	W01000182
65	70.7	Rhyl East 3	Denbighshire 004C	W01000228

housing deprivation scores continued

rank	score	LSOA name	ONS description	ONS code
66	70.4	Victoria 4	Newport 013E	W01001693
67	70.2	Valley 1	Isle of Anglesey 004E	W01000043
68	69.9	Penylan 4	Cardiff 029C	W01001824
69	69.7	Cathays 8	Cardiff 032D	W01001725
70	69.4	Deiniol	Gwynedd 001A	W01000062
71	69.2	Ely 8	Cardiff 043C	W01001744
72	68.9	Buckley Bistre West 3	Flintshire 017D	W01000263
73	68.7	Caerau (Cardiff) 2	Cardiff 045B	W01001703
74	68.5	Riverside 1	Cardiff 042A	W01001855
75	68.2	Cathays 3	Cardiff 028C	W01001720
76	68.0	Ponciau 2	Wrexham 015C	W01000411
77	67.8	Aberystwyth Penparcau 2	Ceredigion 003B	W01000516
78	67.6	Ogwen 1	Gwynedd 003C	W01000096
79	67.3	Shotton Higher 1	Flintshire 009D	W01000335
80	67.1	Gwenfro	Wrexham 005B	W01000373
81	66.9	Grangetown 9	Cardiff 044D	W01001767
82	66.7	Denbigh Upper/Henllan 1	Denbighshire 011B	W01000198
83	66.5	Pillgwenlly 3	Newport 018C	W01001661
84	66.2	Llanrumney 7	Cardiff 007C	W01001808
85	66.0	Buckley Bistre West 2	Flintshire 017C	W01000262
86	65.8	Haverfordwest: Castle	Pembrokeshire 005A	W01000568
87	65.6	Pembroke: St. Mary North	Pembrokeshire 015C	W01000607
88	65.4	Holyhead Town	Isle of Anglesey 003A	W01000016
89	65.2	Colwyn 2	Conwy 009B	W01000127
90	65.0	Mostyn (Conwy) 1	Conwy 002B	W01000168
91	64.8	Cartrefle 1	Wrexham 010A	W01000352
92	64.6	Diffwys and Maenofferen	Gwynedd 009B	W01000065
93	64.4	Splott 8	Cardiff 037D	W01001876
94	64.2	Queensferry	Flintshire 011C	W01000328
95	64.0	Esclusham 1	Wrexham 014A	W01000366
96	63.8	Tywyn 2	Gwynedd 017E	W01000117
97	63.6	Llanrumney 6	Cardiff 007B	W01001807
98	63.4	Rhuddlan 2	Denbighshire 009C	W01000224
99	63.2	Adamsdown 3	Cardiff 036C	W01001696
100	63.1	Ely 5	Cardiff 039E	W01001741
101	62.9	Offa	Wrexham 011D	W01000402
102	62.7	Cathays 5	Cardiff 028D	W01001722
103	62.5	Saltney Stonebridge 1	Flintshire 015E	W01000330
104	62.3	Ogwen 2	Gwynedd 003D	W01000097
105	62.1	Tenby: South 1	Pembrokeshire 016C	W01000620
106	62.0	Plasnewydd 6	Cardiff 033E	W01001834
107	61.8	Mostyn (Conwy) 2	Conwy 001D	W01000169
108	61.6	Caerau (Cardiff) 3	Cardiff 041A	W01001704
109	61.4	Ely 4	Cardiff 039D	W01001740
110	61.3	Talysarn	Gwynedd 008D	W01000112
111	61.1	Grangetown 4	Cardiff 046D	W01001762
112	60.9	Hendre (Gwynedd)	Gwynedd 002C	W01000075
113	60.8	Cathays 4	Cardiff 032A	W01001721
114	60.6	Gwersyllt West 1	Wrexham 004C	W01000379
115	60.4	Uplands 9	Swansea 026E	W01000876
116	60.3	Greenfield 1	Flintshire 003C	W01000296
117	60.1	Butetown 1	Cardiff 047A	W01001699
118	59.9	Riverside 3	Cardiff 042C	W01001857
119	59.8	Teigl	Gwynedd 009C	W01000113
120	59.6	Llannerch-y-medd	Isle of Anglesey 001D	W01000028
121	59.5	Cwm Clydach 1	Rhondda Cynon Taf 016A	W01001166
122	59.3	Cathays 7	Cardiff 032C	W01001724
123	59.1	Glyncoch 1	Rhondda Cynon Taf 015A	W01001180
124	59.0	Rhosyr	Isle of Anglesey 009D	W01000038
125	58.8	Aberystwyth Rheidol 2	Ceredigion 003C	W01000518
126	58.7	Cadnant (Gwynedd)	Gwynedd 006A	W01000059
127	58.5	Llanllyfni & Clynog	Gwynedd 008B	W01000086
128	58.4	Whitegate 2	Wrexham 012E	W01000424
129	58.2	Pant	Wrexham 015B	W01000405
130	58.1	Plasnewydd 1	Cardiff 033A	W01001829

housing deprivation scores continued

rank	score	LSOA name	ONS description	ONS code
131	57.9	Aberteifi/Cardigan - Rhyd-y-Fuwch	Ceredigion 009D	W01000510
132	57.8	Cefn 2	Wrexham 017B	W01000355
133	57.6	Llandrillo yn Rhos 4	Conwy 004C	W01000157
134	57.5	Llwyn-y-pia 1	Rhondda Cynon Taf 014A	W01001200
135	57.3	Ely 2	Cardiff 039B	W01001738
136	57.2	Flint Oakenholt 1	Flintshire 004C	W01000292
137	57.0	Rhyl West 3	Denbighshire 004F	W01000241
138	56.9	Hirael & Garth 2	Gwynedd 001C	W01000077
139	56.8	Seiont 2	Gwynedd 007C	W01000111
140	56.6	Marchog 2	Gwynedd 001D	W01000091
141	56.5	Penrhyndeudraeth 1	Gwynedd 010B	W01000100
142	56.3	Plasnewydd 3	Cardiff 030A	W01001831
143	56.2	Pillgwenlly 1	Newport 018A	W01001659
144	56.1	Plasnewydd 10	Cardiff 030D	W01001838
145	55.9	Castle 6	Swansea 024A	W01000747
146	55.8	Ringland 5	Newport 010C	W01001667
147	55.7	Acton 1	Wrexham 009A	W01000341
148	55.5	Deiniolen	Gwynedd 005A	W01000063
149	55.4	Uplands 8	Swansea 026D	W01000875
150	55.3	Splott 3	Cardiff 037B	W01001871
151	55.1	Caerau (Cardiff) 6	Cardiff 041C	W01001707
152	55.0	Pant-yr-afon/Penmaenan 2	Conwy 013E	W01000172
153	54.9	St. Asaph West	Denbighshire 010B	W01000246
154	54.7	Saltney Mold Junction	Flintshire 015D	W01000329
155	54.6	Victoria 3	Newport 011E	W01001692
156	54.5	Plasnewydd 8	Cardiff 030B	W01001836
157	54.3	Bryncoch	Bridgend 007B	W01000987
158	54.2	Cyfarthfa 2	Merthyr Tydfil 004A	W01001292
159	54.1	Goodwick	Pembrokeshire 002D	W01000567
160	54.0	Conwy 1	Conwy 012B	W01000129
161	53.8	Riverside 4	Cardiff 034A	W01001858
162	53.7	Grangetown 3	Cardiff 046C	W01001761
163	53.6	Trawsfynydd	Gwynedd 009D	W01000114
164	53.5	Acton 2	Wrexham 009B	W01000342
165	53.4	Penrhyndeudraeth 2	Gwynedd 013D	W01000101
166	53.2	Lampeter 1	Ceredigion 008A	W01000527
167	53.1	Efail-newydd/Buan	Gwynedd 012A	W01000070
168	53.0	Botwnnog & Tudweiliog	Gwynedd 014B	W01000055
169	52.9	Adamsdown 1	Cardiff 036A	W01001694
170	52.7	Caerau (Cardiff) 7	Cardiff 045D	W01001708
171	52.6	Gele 1	Conwy 010B	W01000140
172	52.5	Uplands 4	Swansea 026B	W01000871
173	52.4	Splott 7	Cardiff 037C	W01001875
174	52.3	Brymbo 2	Wrexham 006B	W01000348
175	52.2	Plasnewydd 5	Cardiff 033D	W01001833
176	52.0	Rumney 5	Cardiff 016B	W01001867
177	51.9	Llandaff North 4	Cardiff 023D	W01001788
178	51.8	Dolgellau South	Gwynedd 016E	W01000068
179	51.7	Ystrad 2	Rhondda Cynon Taf 014E	W01001286
180	51.6	Porthmadog - Tremadog	Gwynedd 010E	W01000107
181	51.5	Plasnewydd 9	Cardiff 030C	W01001837
182	51.4	Llanrumney 2	Cardiff 015A	W01001803
183	51.3	Porthmadog East	Gwynedd 010C	W01000105
184	51.1	Splott 1	Cardiff 038A	W01001869
185	51.0	Ely 10	Cardiff 041D	W01001746
186	50.9	Carmarthen Town South 1	Carmarthenshire 008A	W01000641
187	50.8	Corris/Mawddwy	Gwynedd 015B	W01000060
188	50.7	Bodelwyddan	Denbighshire 009A	W01000191
189	50.6	Cadoc 4	The Vale of Glamorgan 009C	W01001070
190	50.5	Pillgwenlly 4	Newport 018D	W01001662





physical environment

indicators

The indicators used for the physical environment domain were:

- air quality
- air emissions
- flood risk
- proximity to waste disposal and industrial sites

This domain is intended to model the factors related to the physical environment which may affect quality of life, and it is not necessarily a measure of the impact on other specific areas (like health).

local authority results

There are 190 Lower Layer Super Output Areas (LSOA) in the most deprived ten percent in Wales for all deprivation measures.

Newport (24%), Flintshire (16%) and Cardiff (11%) **contained** the highest percentage **of the SOAs** in the most deprived ten percent in Wales, for physical environment deprivation.

Newport (49%), Flintshire (33%), and Monmouthshire (16%) **had** the highest percentage **of their SOAs** in the most deprived ten percent in Wales, for physical environment deprivation.

deprivation scores and ranking

Deprivations scores for the environment domain were derived by combining the indicators (brief details are given in Annex A). These deprivation scores for the 1,896 LSOAs were transformed so that they ran from 100 (the most deprived) to 0 (the least deprived). The scores are not uniformly distributed: scores of the most deprived ten percent run from 100 to about 50, and the scores of the remaining ninety percent run from about 50 to 0. Because of the nature of the transformation the scores will be the same for each domain. That is, the LSOA ranked (say) 75th will have the same score for each domain (it is almost certainly a different LSOA though).

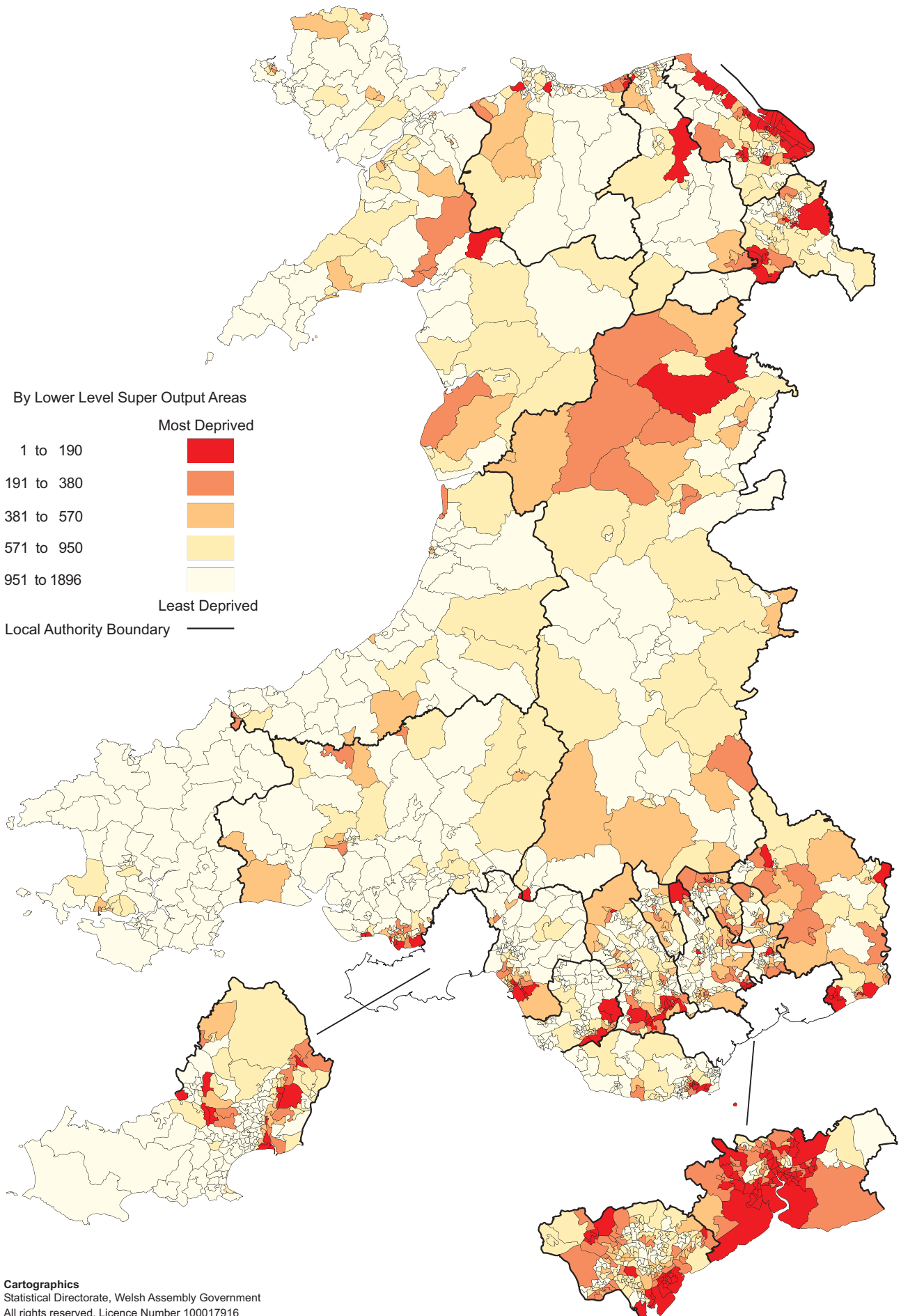
The following table gives (for the ten percent most deprived LSOAs) the:

- rank for the physical environment domain,
- deprivation score for the physical environment domain,
- name of the LSOA,
- ONS LSOA description (which includes the local authority name),
- ONS LSOA code (which begins with W01 where W means Wales and 01 means Lower Layer).

The highest ranked LSOAs (that is, those with a rank closest to 1) are the most deprived.

Higher scores mean more deprivation.

Physical Environment Deprivation Domain



physical environment deprivation scores

rank	score	LSOA name	ONS description	ONS code
1	100.0	Queensferry	Flintshire 011C	W01000328
2	99.1	Liswerry 7	Newport 015G	W01001648
3	98.2	Mancot 2	Flintshire 011B	W01000312
4	97.4	Mold West 1	Flintshire 016F	W01000318
5	96.6	Sealand 1	Flintshire 009A	W01000332
6	95.8	Sealand 2	Flintshire 009B	W01000333
7	95.0	Liswerry 5	Newport 015E	W01001646
8	94.3	Tredegar Park 2	Newport 019D	W01001689
9	93.6	Tredegar Park 1	Newport 019C	W01001688
10	92.9	Marshfield 1	Newport 020B	W01001656
11	92.2	Liswerry 6	Newport 015F	W01001647
12	91.6	Victoria 1	Newport 013D	W01001690
13	90.9	Margam 1	Neath Port Talbot 019A	W01000932
14	90.3	Liswerry 1	Newport 013A	W01001642
15	89.7	Mill 1	Monmouthshire 011A	W01001572
16	89.1	Butetown 2	Cardiff 047B	W01001700
17	88.6	Liswerry 3	Newport 013C	W01001644
18	88.0	Mold West 2	Flintshire 016G	W01000319
19	87.5	Sploft 3	Cardiff 037B	W01001871
20	86.9	Broughton North East	Flintshire 015A	W01000255
21	86.4	Aberavon 4	Neath Port Talbot 017C	W01000886
22	85.9	Pillgwenlly 4	Newport 018D	W01001662
23	85.4	Liswerry 2	Newport 013B	W01001643
24	84.9	Aberavon 2	Neath Port Talbot 017A	W01000884
25	84.5	Aberavon 3	Neath Port Talbot 017B	W01000885
26	84.0	Mold Broncoed 2	Flintshire 016B	W01000314
27	83.5	Pillgwenlly 3	Newport 018C	W01001661
28	83.1	Llantwit Fardre 1	Rhondda Cynon Taf 027B	W01001196
29	82.6	Tai-bach 3	Neath Port Talbot 019D	W01000968
30	82.2	Pont-y-clun 2	Rhondda Cynon Taf 031D	W01001224
31	81.8	Victoria 4	Newport 013E	W01001693
32	81.4	Cadoc 2	The Vale of Glamorgan 009B	W01001068
33	81.0	Cefn 2	Wrexham 017B	W01000355
34	80.6	Pillgwenlly 2	Newport 018B	W01001660
35	80.2	Mold East	Flintshire 016C	W01000315
36	79.8	Mold Broncoed 1	Flintshire 016A	W01000313
37	79.4	Flint Oakenholt 2	Flintshire 004D	W01000293
38	79.0	Mill 2	Monmouthshire 011B	W01001573
39	78.7	Church Village 2	Rhondda Cynon Taf 027A	W01001163
40	78.3	Tai-bach 2	Neath Port Talbot 019C	W01000967
41	77.9	Alway 6	Newport 011A	W01001611
42	77.6	Shaftesbury 1	Newport 006B	W01001681
43	77.2	Mancot 1	Flintshire 011A	W01000311
44	76.9	Glanymor 1	Carmarthenshire 026A	W01000659
45	76.6	Penprysg 2	Bridgend 009F	W01001040
46	76.2	Shotton East	Flintshire 009C	W01000334
47	75.9	Gaer 6	Newport 019B	W01001634
48	75.6	Caerleon 2	Newport 001B	W01001624
49	75.3	Shotton West	Flintshire 009F	W01000337
50	74.9	Cadoc 1	The Vale of Glamorgan 009A	W01001067
51	74.6	Port Talbot 4	Neath Port Talbot 018D	W01000952
52	74.3	Beaufort 3	Blaenau Gwent 001C	W01001442
53	74.0	Llantwit Fardre 4	Rhondda Cynon Taf 027E	W01001199
54	73.7	Chirk South	Wrexham 019E	W01000361
55	73.4	Wyesham	Monmouthshire 004F	W01001599
56	73.1	Connah's Quay Golftyn 1	Flintshire 007C	W01000275
57	72.9	Stow Hill 3	Newport 014D	W01001687
58	72.6	Queensway 1	Wrexham 010C	W01000413
59	72.3	Alway 5	Newport 015C	W01001610
60	72.0	Llantwit Fardre 3	Rhondda Cynon Taf 027D	W01001198
61	71.8	Ringland 3	Newport 008D	W01001665
62	71.5	Gaer 5	Newport 019A	W01001633
63	71.2	Cockett 5	Swansea 012A	W01000759
64	71.0	Mostyn (Flintshire)	Flintshire 002B	W01000320
65	70.7	Rogerstone 3	Newport 016D	W01001671

physical environment deprivation scores continued

rank	score	LSOA name	ONS description	ONS code
66	70.4	Connah's Quay Central 2	Flintshire 007B	W01000274
67	70.2	Splott 5	Cardiff 038C	W01001873
68	69.9	Bagillt West	Flintshire 003B	W01000254
69	69.7	Llanharan 2	Rhondda Cynon Taf 029D	W01001190
70	69.4	Croesyceiliog North 1	Torfaen 008A	W01001493
71	69.2	Adamsdown 3	Cardiff 036C	W01001696
72	68.9	Connah's Quay Wepre	Flintshire 008E	W01000283
73	68.7	Liswerry 4	Newport 015D	W01001645
74	68.5	Caerleon 3	Newport 001C	W01001625
75	68.2	Splott 2	Cardiff 037A	W01001870
76	68.0	Flint Coleshill 2	Flintshire 004B	W01000290
77	67.8	Connah's Quay Golftyn 4	Flintshire 007D	W01000278
78	67.6	Llansamlet 1	Swansea 010A	W01000794
79	67.3	Cefn 1	Wrexham 017A	W01000354
80	67.1	Talbot Green 1	Rhondda Cynon Taf 030D	W01001242
81	66.9	Saltney Mold Junction	Flintshire 015D	W01000329
82	66.7	Splott 7	Cardiff 037C	W01001875
83	66.5	Severn 2	Monmouthshire 010E	W01001589
84	66.2	Ringland 6	Newport 010D	W01001668
85	66.0	Bynea 1	Carmarthenshire 025A	W01000635
86	65.8	Rogerstone 4	Newport 009C	W01001672
87	65.6	Portskewett	Monmouthshire 009C	W01001578
88	65.4	Langollen Rural	Wrexham 017D	W01000389
89	65.2	Talbot Green 2	Rhondda Cynon Taf 030E	W01001243
90	65.0	Buckley Bistre East 1	Flintshire 017A	W01000259
91	64.8	Splott 4	Cardiff 038B	W01001872
92	64.6	Mochdre	Conwy 011C	W01000167
93	64.4	Graig (Newport) 3	Newport 016B	W01001637
94	64.2	Rogerstone 2	Newport 009B	W01001670
95	64.0	Splott 8	Cardiff 037D	W01001876
96	63.8	Ringland 5	Newport 010C	W01001667
97	63.6	Gowerton 1	Swansea 012B	W01000777
98	63.4	Clydach 5	Swansea 002E	W01000754
99	63.2	Gaer 1	Newport 017A	W01001629
100	63.1	Adamsdown 1	Cardiff 036A	W01001694
101	62.9	Rassau 2	Blaenau Gwent 001E	W01001471
102	62.7	Beechwood 1	Newport 011B	W01001612
103	62.5	Buckley Bistre East 2	Flintshire 017B	W01000260
104	62.3	St. Julians 1	Newport 007A	W01001675
105	62.1	Brynyffynnon 2	Wrexham 011B	W01000350
106	62.0	Butetown 3	Cardiff 047C	W01001701
107	61.8	Victoria 3	Newport 011E	W01001692
108	61.6	Ton-teg 2	Rhondda Cynon Taf 025C	W01001245
109	61.4	Plas Madoc	Wrexham 017E	W01000409
110	61.3	Radyr 2	Cardiff 006C	W01001846
111	61.1	Shaftesbury 3	Newport 006D	W01001683
112	60.9	Flint Castle	Flintshire 004A	W01000288
113	60.8	Ringland 2	Newport 010A	W01001664
114	60.6	Risca West 2	Caerphilly 017B	W01001412
115	60.4	Penprysg 1	Bridgend 009E	W01001039
116	60.3	Connah's Quay Golftyn 2	Flintshire 008A	W01000276
117	60.1	Splott 1	Cardiff 038A	W01001869
118	59.9	Burry Port 2	Carmarthenshire 021B	W01000633
119	59.8	Alway 2	Newport 015A	W01001607
120	59.6	Morrison 7	Swansea 008C	W01000812
121	59.5	Ynyscedwyn	Powys 019D	W01000502
122	59.3	Gaer 4	Newport 017D	W01001632
123	59.1	Ton-teg 1	Rhondda Cynon Taf 025B	W01001244
124	59.0	Holt 1	Wrexham 001A	W01000383
125	58.8	Whitchurch and Tongwynlais 7	Cardiff 010B	W01001893
126	58.7	Mill 3	Monmouthshire 011C	W01001574
127	58.5	Cadoc 5	The Vale of Glamorgan 009D	W01001071
128	58.4	Splott 6	Cardiff 038D	W01001874
129	58.2	Gorseinon 1	Swansea 005A	W01000773
130	58.1	Ringland 4	Newport 010B	W01001666

physical environment deprivation scores *continued*

rank	score	LSOA name	ONS description	ONS code
131	57.9	Cefn 3	Wrexham 017C	W01000356
132	57.8	Cadoc 4	The Vale of Glamorgan 009C	W01001070
133	57.6	Grangetown 5	Cardiff 047D	W01001763
134	57.5	Oldcastle 3	Bridgend 013B	W01001037
135	57.3	Twyn Carno 2	Caerphilly 001F	W01001429
136	57.2	Ystalyfera 2	Neath Port Talbot 001G	W01000973
137	57.0	Caerleon 6	Newport 001F	W01001628
138	56.9	St. Julians 2	Newport 007B	W01001676
139	56.8	Broughton South 2	Flintshire 015C	W01000257
140	56.6	Greenfield 1	Flintshire 003C	W01000296
141	56.5	Cantref 1	Monmouthshire 001A	W01001545
142	56.3	Shaftesbury 2	Newport 006C	W01001682
143	56.2	Morrison 4	Swansea 008A	W01000809
144	56.1	Court 1	The Vale of Glamorgan 012E	W01001079
145	55.9	Pontnewydd 4	Torfaen 007D	W01001522
146	55.8	Adamsdown 4	Cardiff 036D	W01001697
147	55.7	Glanymor 3	Carmarthenshire 026C	W01000661
148	55.5	Landore 3	Swansea 016E	W01000789
149	55.4	Kinmel Bay 2	Conwy 005B	W01000150
150	55.3	Butetown 1	Cardiff 047A	W01001699
151	55.1	Graig (Newport) 1	Newport 016A	W01001635
152	55.0	The Elms	Monmouthshire 011E	W01001591
153	54.9	Llansantffraid	Powys 001D	W01000470
154	54.7	Cadoc 3	The Vale of Glamorgan 012C	W01001069
155	54.6	Bowydd and Rhiw	Gwynedd 009A	W01000056
156	54.5	Llandyrnog	Denbighshire 013C	W01000206
157	54.3	Risca East 2	Caerphilly 016B	W01001408
158	54.2	Castle 7	Swansea 025D	W01000748
159	54.1	Flint Oakenholt 1	Flintshire 004C	W01000292
160	54.0	Llantrisant Town 2	Rhondda Cynon Taf 030B	W01001194
161	53.8	Tai-bach 1	Neath Port Talbot 018E	W01000966
162	53.7	Radyr 3	Cardiff 006D	W01001847
163	53.6	Chirk North 2	Wrexham 019D	W01000360
164	53.5	Whitegate 2	Wrexham 012E	W01000424
165	53.4	Whitegate 1	Wrexham 012D	W01000423
166	53.2	Sully 2	The Vale of Glamorgan 008E	W01001133
167	53.1	Rhyl South West 2	Denbighshire 006B	W01000237
168	53.0	Church Village 1	Rhondda Cynon Taf 025A	W01001162
169	52.9	Conwy 1	Conwy 012B	W01000129
170	52.7	Hermitage 2	Wrexham 012B	W01000382
171	52.6	Connah's Quay Central 1	Flintshire 007A	W01000273
172	52.5	Trowbridge 1	Cardiff 011A	W01001877
173	52.4	Sully 1	The Vale of Glamorgan 008D	W01001132
174	52.3	Tyn-y-nant 3	Rhondda Cynon Taf 028F	W01001279
175	52.2	Gaer 2	Newport 017B	W01001630
176	52.0	Adamsdown 5	Cardiff 036E	W01001698
177	51.9	Castle 2	Swansea 025A	W01000743
178	51.8	Risca West 3	Caerphilly 017C	W01001413
179	51.7	Hirwaun 1	Rhondda Cynon Taf 001A	W01001186
180	51.6	Lower Loughor	Swansea 007D	W01000802
181	51.5	Beechwood 2	Newport 011C	W01001613
182	51.4	Coychurch Lower	Bridgend 015D	W01001003
183	51.3	Cantref 2	Monmouthshire 002A	W01001546
184	51.1	Riverside 4	Cardiff 034A	W01001858
185	51.0	Pont-y-clun 4	Rhondda Cynon Taf 031F	W01001226
186	50.9	Caerleon 1	Newport 001A	W01001623
187	50.8	Pontnewydd 2	Torfaen 007B	W01001520
188	50.7	St. Cattwg 4	Caerphilly 008D	W01001417
189	50.6	Meifod & Llanfihangel	Powys 001E	W01000475
190	50.5	Risca East 1	Caerphilly 016A	W01001407

changes over time

The table below compares the WIMD 2005 and WIMD 2008 groupings for each LSOA.

The diagonal in bold shows the LSOAs that have not changed groups since WIMD 2005. Looking to the left of this diagonal shows the LSOAs that have changed to a more deprived group in WIMD 2008. Looking to the right of the diagonal shows the LSOAs that have changed to a less deprived group in WIMD 2008. The further right or further down you read the less deprived the group.

WIMD 2005	WIMD 2008					Total
	10% most deprived	10-20% most deprived	20-30% most deprived	30-50% most deprived	least deprived 50%	
10% most deprived	91	33	20	23	23	190
10-20% most deprived	37	46	28	38	41	190
20-30% most deprived	15	28	20	53	74	190
30-50% most deprived	35	46	59	97	143	380
50% least deprived	12	37	63	169	665	946
Total	190	190	190	380	946	1896

Summary

- 919 LSOAs have not changed group since WIMD 2005
- 293 LSOAs have moved up 1 group, 124 LSOAs have moved up 2 groups, 72 LSOAs have moved up 3 groups and 12 LSOAs have moved up 4 groups
- Of these LSOAs, 99 have moved into the 10% most deprived group (37 from the 10-20% most deprived group, 15 from the 20-30% most deprived group, 35 from the 30-50% most deprived group and 12 from the 50% least deprived group)
- 257 LSOAs have moved down 1 group, 132 LSOAs have moved down 2 groups, 64 LSOAs have moved down 3 groups and 23 LSOAs have moved down 4 groups
- Of these LSOAs, 99 have moved out of the 10% most deprived group (33 to the 10-20% most deprived group, 20 to the 20-30% most deprived group, 23 to the 30-50% most deprived group and 23 to the 50% least deprived group)

The LSOAs that have changed groups will not have all moved for the same single reason.





geographical access to services

indicators

The indicators used for the geographical access to services domain were:

- Food shops
- GP surgeries
- Primary schools
- Post office
- Public library
- Leisure centres
- NHS dentist
- Secondary schools
- Transport nodes

local authority results

There are 190 Lower Layer Super Output Areas (LSOA) in the most deprived ten percent in Wales for all deprivation measures.

Powys (22%), Pembrokeshire (14%), Carmarthenshire (14%), and Ceredigion (11%) **contained** the highest percentage **of the SOAs** in the most deprived ten percent in Wales, for access to services deprivation.

Powys (53%), Ceredigion (45%), Pembrokeshire (38%), Carmarthenshire (24%), Gwynedd (24%) and Monmouthshire (22%) **had** the highest percentage **of their SOAs** in the most deprived ten percent in Wales, for access to services deprivation.

deprivation scores and ranking

Deprivations scores for the access domain were derived by combining the access indicators (brief details are given in Annex A). These deprivation scores for the 1,896 LSOAs were transformed so that they ran from 100 (the most deprived) to 0 (the least deprived). The scores are not uniformly distributed: scores of the most deprived ten percent run from 100 to about 50, and the scores of the remaining ninety percent run from about 50 to 0. Because of the nature of the transformation the scores will be same for each domain. That is, the LSOA ranked (say) 75th will have the same score for each domain (it is almost certainly a different LSOA though).

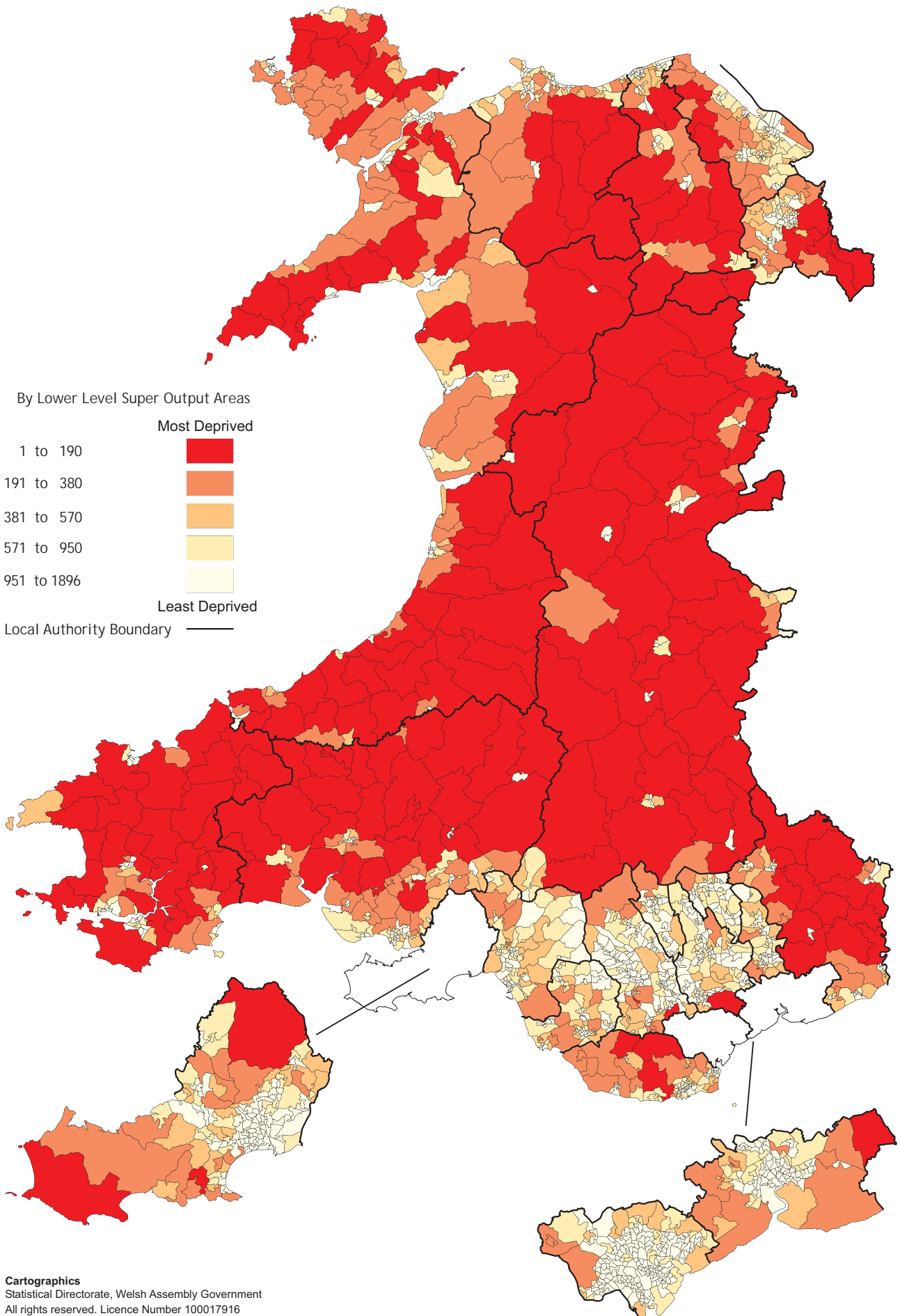
The following table gives (for the ten percent most deprived LSOAs) the:

- rank for the geographical access to services domain,
- deprivation score for the geographical access to services domain,
- name of the LSOA,
- ONS LSOA description (which includes the local authority name),
- ONS LSOA code (which begins with W01 where W means Wales and 01 means Lower Layer).

The highest ranked LSOAs (that is, those with a rank closest to 1) are the most deprived.

Higher scores mean more deprivation.

Geographical Access to Services Deprivation Domain



geographical access to services deprivation scores

rank	score	LSOA name	ONS description	ONS code
1	100.0	Maenclochog 1	Pembrokeshire 004A	W01000582
2	99.1	Llantilio Crossenny	Monmouthshire 005C	W01001568
3	98.2	Cynwyl Gaeo	Carmarthenshire 002B	W01000650
4	97.4	Aberdaron	Gwynedd 014A	W01000045
5	96.6	Rhiwcyonon	Powys 006C	W01000488
6	95.8	Llanboidy	Carmarthenshire 009A	W01000674
7	95.0	St. Ishmael's	Pembrokeshire 008D	W01000614
8	94.3	Waunfawr	Gwynedd 007D	W01000118
9	93.6	Llanengan	Gwynedd 014D	W01000084
10	92.9	Llanbrynmair & Banwy	Powys 004B	W01000452
11	92.2	Tremeirchion	Denbighshire 008D	W01000248
12	91.6	Llansantffraed 1	Ceredigion 005D	W01000539
13	90.9	Martletwy	Pembrokeshire 007B	W01000585
14	90.3	Botwnnog & Tudweiliog	Gwynedd 014B	W01000055
15	89.7	Llangors & Bwlch	Powys 018D	W01000463
16	89.1	Cynwyl Elfed 1	Carmarthenshire 006D	W01000648
17	88.6	Wiston	Pembrokeshire 004D	W01000623
18	88.0	Yscir	Powys 016D	W01000503
19	87.5	Blaen Hafren	Powys 010A	W01000429
20	86.9	Llanelwedd	Powys 014D	W01000459
21	86.4	Manordeilo and Salem	Carmarthenshire 004D	W01000709
22	85.9	Meifod & Llanfihangel	Powys 001E	W01000475
23	85.4	Llanwenog	Ceredigion 008E	W01000541
24	84.9	Llanover 1	Monmouthshire 005A	W01001566
25	84.5	Felin-fâch	Powys 016A	W01000440
26	84.0	Trelech	Carmarthenshire 003D	W01000728
27	83.5	Llanegwad 2	Carmarthenshire 005C	W01000683
28	83.1	Llangadog	Carmarthenshire 004C	W01000687
29	82.6	Cilycwm	Carmarthenshire 002A	W01000647
30	82.2	Penbryn	Ceredigion 007D	W01000545
31	81.8	Llangunllo	Powys 011D	W01000464
32	81.4	Llandderfel & Llanuwchllyn 1	Gwynedd 015C	W01000082
33	81.0	Old Radnor	Powys 011E	W01000484
34	80.6	Crucorney	Monmouthshire 001B	W01001548
35	80.2	Nantmel	Powys 012D	W01000477
36	79.8	Glasbury	Powys 015B	W01000443
37	79.4	Clydau	Pembrokeshire 001B	W01000559
38	79.0	Llanafanfawr	Powys 014C	W01000450
39	78.7	Llangybi	Ceredigion 008D	W01000537
40	78.3	Llandderfel & Llanuwchllyn 2	Gwynedd 015D	W01000083
41	77.9	Dolforwyn	Powys 007B	W01000439
42	77.6	Llansannan	Conwy 014C	W01000162
43	77.2	Llanfihangel Ystrad	Ceredigion 008C	W01000535
44	76.9	Llanrhystyd	Ceredigion 005C	W01000538
45	76.6	Llanbedrog & Abersoch	Gwynedd 014C	W01000080
46	76.2	Lampeter Velfrey	Pembrokeshire 007A	W01000577
47	75.9	Ystwyth	Ceredigion 004D	W01000552
48	75.6	Crymych 1	Pembrokeshire 001C	W01000560
49	75.3	Capel Dewi	Ceredigion 010B	W01000522
50	74.9	Uwchaled	Conwy 014D	W01000190
51	74.6	Llandinam	Powys 010B	W01000453
52	74.3	Llanrhaeadr-ym-Mochnant	Powys 001B	W01000468
53	74.0	Dinas Cross	Pembrokeshire 002A	W01000562
54	73.7	Bronington 2	Wrexham 018B	W01000346
55	73.4	Pen-parc 2	Ceredigion 009G	W01000547
56	73.1	Llangybi Fawr	Monmouthshire 006D	W01001565
57	72.9	Lledrod	Ceredigion 006B	W01000542
58	72.6	Overton 1	Wrexham 018C	W01000403
59	72.3	Llangeitho	Ceredigion 006A	W01000536
60	72.0	Trellech United 1	Monmouthshire 007E	W01001594
61	71.8	Llanfair Dyffryn Clwyd/Gwyddelwern	Denbighshire 015C	W01000207
62	71.5	Llanrhaeadr-ym-Mochnant/Llansilin	Powys 001C	W01000469
63	71.2	Maescar/Llywel	Powys 016B	W01000474
64	71.0	Glanwymyn	Powys 004A	W01000442
65	70.7	Troedyraur	Ceredigion 010E	W01000551

geographical access to services deprivation scores *continued*

rank	score	LSOA name	ONS description	ONS code
66	70.4	Llandysiliogogo	Ceredigion 007B	W01000532
67	70.2	Talybont-on-Usk	Powys 016C	W01000495
68	69.9	Uwch Conwy	Conwy 015F	W01000189
69	69.7	Amroth	Pembrokeshire 011A	W01000553
70	69.4	Cilgerran	Pembrokeshire 001A	W01000558
71	69.2	Llanybydder 1	Carmarthenshire 001C	W01000701
72	68.9	Llangeler 2	Carmarthenshire 003C	W01000689
73	68.7	Scleddau	Pembrokeshire 002F	W01000617
74	68.5	Beguildy	Powys 011A	W01000427
75	68.2	Crymych 2	Pembrokeshire 001D	W01000561
76	68.0	Berriew	Powys 005A	W01000428
77	67.8	Llandoverly 1	Carmarthenshire 002C	W01000678
78	67.6	Melindwr	Ceredigion 004C	W01000543
79	67.3	St. Dogmaels	Pembrokeshire 001E	W01000613
80	67.1	Lamphey	Pembrokeshire 014B	W01000578
81	66.9	Llansteffan	Carmarthenshire 014C	W01000700
82	66.7	Bronllys	Powys 015A	W01000430
83	66.5	Llanfair Caereinion	Powys 006B	W01000460
84	66.2	Llaneilian	Isle of Anglesey 002C	W01000021
85	66.0	Llannerch-y-medd	Isle of Anglesey 001D	W01000028
86	65.8	Beulah	Ceredigion 010A	W01000519
87	65.6	Tonyrefail East 4	Rhondda Cynon Taf 024D	W01001252
88	65.4	Efenechtyd	Denbighshire 015B	W01000202
89	65.2	Bishopston 2	Swansea 028B	W01000737
90	65.0	Marchwiel 1	Wrexham 016A	W01000394
91	64.8	Llanfihangel Aberbythych	Carmarthenshire 005D	W01000684
92	64.6	Churchstoke	Powys 007A	W01000434
93	64.4	Camrose 1	Pembrokeshire 008A	W01000555
94	64.2	Llanegwad 1	Carmarthenshire 005B	W01000682
95	64.0	Tregarth & Mynydd Llandygai	Gwynedd 003E	W01000115
96	63.8	Llanddarog	Carmarthenshire 012A	W01000675
97	63.6	Llanarth	Ceredigion 007A	W01000529
98	63.4	Mitchel Troy	Monmouthshire 005D	W01001575
99	63.2	Llangernyw	Conwy 014B	W01000159
100	63.1	Trefeurig	Ceredigion 001E	W01000549
101	62.9	St. James 1	Caerphilly 021D	W01001419
102	62.7	Efail-newydd/Buan	Gwynedd 012A	W01000070
103	62.5	Cynwyl Elfed 2	Carmarthenshire 006E	W01000649
104	62.3	Letterston	Pembrokeshire 003A	W01000579
105	62.1	Llanover 2	Monmouthshire 005B	W01001567
106	62.0	Ciliau Aeron	Ceredigion 005B	W01000524
107	61.8	Disserth and Trecoed	Powys 012A	W01000438
108	61.6	Betws yn Rhos	Conwy 014A	W01000122
109	61.4	Cenarth	Carmarthenshire 003A	W01000646
110	61.3	Gwernyfed	Powys 015C	W01000445
111	61.1	St. Ishmael 1	Carmarthenshire 012D	W01000722
112	60.9	Forden	Powys 005B	W01000441
113	60.8	Corris/Mawddwy	Gwynedd 015B	W01000060
114	60.6	Llanrhian	Pembrokeshire 003B	W01000581
115	60.4	GUILSFIELD	Powys 002A	W01000444
116	60.3	Hundleton	Pembrokeshire 015A	W01000574
117	60.1	Llangollen 1	Denbighshire 016C	W01000208
118	59.9	Llanrhaeadr-yng-Nghinmeirch	Denbighshire 012D	W01000211
119	59.8	Crickhowell 2	Powys 018B	W01000436
120	59.6	Pentir 2	Gwynedd 005D	W01000103
121	59.5	Mechell	Isle of Anglesey 001E	W01000031
122	59.3	Laugharne Township 1	Carmarthenshire 014A	W01000672
123	59.1	Llandeilo 1	Carmarthenshire 004A	W01000676
124	59.0	Pen-parc 1	Ceredigion 009F	W01000546
125	58.8	Llanwrtyd Wells	Powys 014E	W01000471
126	58.7	Ceulanamaesmawr	Ceredigion 001C	W01000523
127	58.5	Kerry	Powys 007C	W01000447
128	58.4	St. Arvans	Monmouthshire 007B	W01001583
129	58.2	Burton	Pembrokeshire 009A	W01000554
130	58.1	Bronington 1	Wrexham 018A	W01000345

geographical access to services deprivation scores continued

rank	score	LSOA name	ONS description	ONS code
131	57.9	Llanbadoc	Monmouthshire 006C	W01001560
132	57.8	Abergwili	Carmarthenshire 005A	W01000624
133	57.6	Eglwysbach	Conwy 015C	W01000137
134	57.5	Llanfihangel-ar-Arth 2	Carmarthenshire 001B	W01000686
135	57.3	Solva	Pembrokeshire 003D	W01000618
136	57.2	Llangatock	Powys 018C	W01000462
137	57.0	Cilcain	Flintshire 006D	W01000272
138	56.9	Gower (Swansea) 1	Swansea 030A	W01000775
139	56.8	Dolbenmaen	Gwynedd 010A	W01000066
140	56.6	Talgarth	Powys 015E	W01000494
141	56.5	Devauden	Monmouthshire 007A	W01001549
142	56.3	Llanfaethlu	Isle of Anglesey 004A	W01000022
143	56.2	Holt 1	Wrexham 001A	W01000383
144	56.1	Rudbaxton	Pembrokeshire 004C	W01000611
145	55.9	The Havens	Pembrokeshire 008E	W01000622
146	55.8	Llangyndeyrn 2	Carmarthenshire 012C	W01000696
147	55.7	Caersws	Powys 006A	W01000433
148	55.5	Camrose 2	Pembrokeshire 008B	W01000556
149	55.4	Llanfihangel-ar-Arth 1	Carmarthenshire 001A	W01000685
150	55.3	Carew	Pembrokeshire 014A	W01000557
151	55.1	Trefnant	Denbighshire 010C	W01000247
152	55.0	Llansantffraid	Powys 001D	W01000470
153	54.9	Mardy 2	Monmouthshire 001D	W01001571
154	54.7	Bethel & Cwm-y-Glo 2	Gwynedd 004B	W01000053
155	54.6	Brithdir and Llanfachreth/Ganllwyd/Llanelltyd	Gwynedd 016C	W01000057
156	54.5	Trellech United 2	Monmouthshire 007F	W01001595
157	54.3	Cowbridge 4	The Vale of Glamorgan 002D	W01001085
158	54.2	Dyffryn Ceiriog/Ceiriog Valley 2	Wrexham 019B	W01000358
159	54.1	Llanddyfnan	Isle of Anglesey 002B	W01000020
160	54.0	Llannon 3	Carmarthenshire 015C	W01000699
161	53.8	Raglan	Monmouthshire 005E	W01001581
162	53.7	Trewern	Powys 005D	W01000497
163	53.6	Llandrinio	Powys 002B	W01000457
164	53.5	East Williamston 1	Pembrokeshire 011B	W01000563
165	53.4	Llanystumdwy	Gwynedd 011D	W01000089
166	53.2	Abererch	Gwynedd 011A	W01000047
167	53.1	Llangeler 1	Carmarthenshire 003B	W01000688
168	53.0	Llangoed	Isle of Anglesey 005D	W01000026
169	52.9	Tregaron	Ceredigion 006C	W01000550
170	52.7	Llanfyllin	Powys 001A	W01000461
171	52.6	Llanbadarn Fawr	Powys 012B	W01000451
172	52.5	Llandrillo	Denbighshire 016B	W01000205
173	52.4	Rhoose 3	The Vale of Glamorgan 003B	W01001119
174	52.3	Caerwys 1	Flintshire 006B	W01000270
175	52.2	Pentraeth	Isle of Anglesey 005E	W01000035
176	52.0	Llanarmon-yn-Ial/Llandegla	Denbighshire 013A	W01000203
177	51.9	Mawr	Swansea 002F	W01000803
178	51.8	Langstone 2	Newport 004B	W01001640
179	51.7	Whitford	Flintshire 002C	W01000340
180	51.6	Llanbedr	Gwynedd 013C	W01000079
181	51.5	Whitland	Carmarthenshire 009D	W01000735
182	51.4	Tawe-Uchaf	Powys 019C	W01000496
183	51.3	Penrhyndeudraeth 1	Gwynedd 010B	W01000100
184	51.1	Bodorgan	Isle of Anglesey 009A	W01000007
185	51.0	Maenclochog 2	Pembrokeshire 004B	W01000583
186	50.9	Narberth Rural	Pembrokeshire 007D	W01000596
187	50.8	Llantwit Fardre 2	Rhondda Cynon Taf 027C	W01001197
188	50.7	Llanyre	Powys 012C	W01000472
189	50.6	Peterston-super-Ely	The Vale of Glamorgan 003A	W01001113
190	50.5	Dyffryn Ceiriog/Ceiriog Valley 1	Wrexham 019A	W01000357

changes over time

The table below compares the WIMD 2005 and WIMD 2008 groupings for each LSOA.

The diagonal in bold shows the LSOAs that have not changed groups since WIMD 2005. Looking to the left of this diagonal shows the LSOAs that have changed to a more deprived group in WIMD 2008. Looking to the right of the diagonal shows the LSOAs that have changed to a less deprived group in WIMD 2008. The further right or further down you read the less deprived the group.

WIMD 2005	WIMD 2008					Total
	10% most deprived	10-20% most deprived	20-30% most deprived	30-50% most deprived	least deprived 50%	
10% most deprived	159	31	0	0	0	190
10-20% most deprived	30	112	34	13	1	190
20-30% most deprived	0	31	71	60	28	190
30-50% most deprived	0	12	58	156	154	380
50% least deprived	1	4	27	151	763	946
Total	190	190	190	380	946	1896

Summary

- 1261 LSOAs have not changed group since WIMD 2005
- 270 LSOAs have moved up 1 group, 39 LSOAs have moved up 2 groups, 4 LSOAs have moved up 3 groups and 1 LSOA has moved up 4 groups
- Of these LSOAs, 31 have moved into the 10% most deprived group (30 from the 10-20% most deprived group and 1 from the 50% least deprived group)
- 279 LSOAs have moved down 1 group, 41 LSOAs have moved down 2 groups and 1 LSOA has moved down 3 groups
- Of these LSOAs, 31 have moved out of the 10% most deprived (all to the 10-20% most deprived group)

The LSOAs that have changed groups will not have all moved for the same single reason.



indicators

The indicators used for the community safety domain were:

- Police force recorded crime
- Youth offenders
- Adult offenders
- Fire incidence

local authority results

There are 190 Lower Layer Super Output Areas (LSOA) in the most deprived ten percent in Wales for all deprivation measures.

Cardiff (24%), Newport (13%), Swansea (11%) and Wrexham (7%) **contained** the highest percentage **of the SOAs** in the most deprived ten percent in Wales, for community safety deprivation.

Newport (27%), Cardiff (22%), Wrexham (15%), and Swansea (14%) **had** the highest percentage **of their SOAs** in the most deprived ten percent in Wales, for community safety deprivation.

deprivation scores and ranking

Deprivations scores for the access domain were derived by combining the access indicators (brief details are given in Annex A). These deprivation scores for the 1,896 LSOAs were transformed so that they ran from 100 (the most deprived) to 0 (the least deprived). The scores are not uniformly distributed: scores of the most deprived ten percent run from 100 to about 50, and the scores of the remaining ninety percent run from about 50 to 0. Because of the nature of the transformation the scores will be same for each domain. That is, the LSOA ranked (say) 75th will have the same score for each domain (it is almost certainly a different LSOA though).

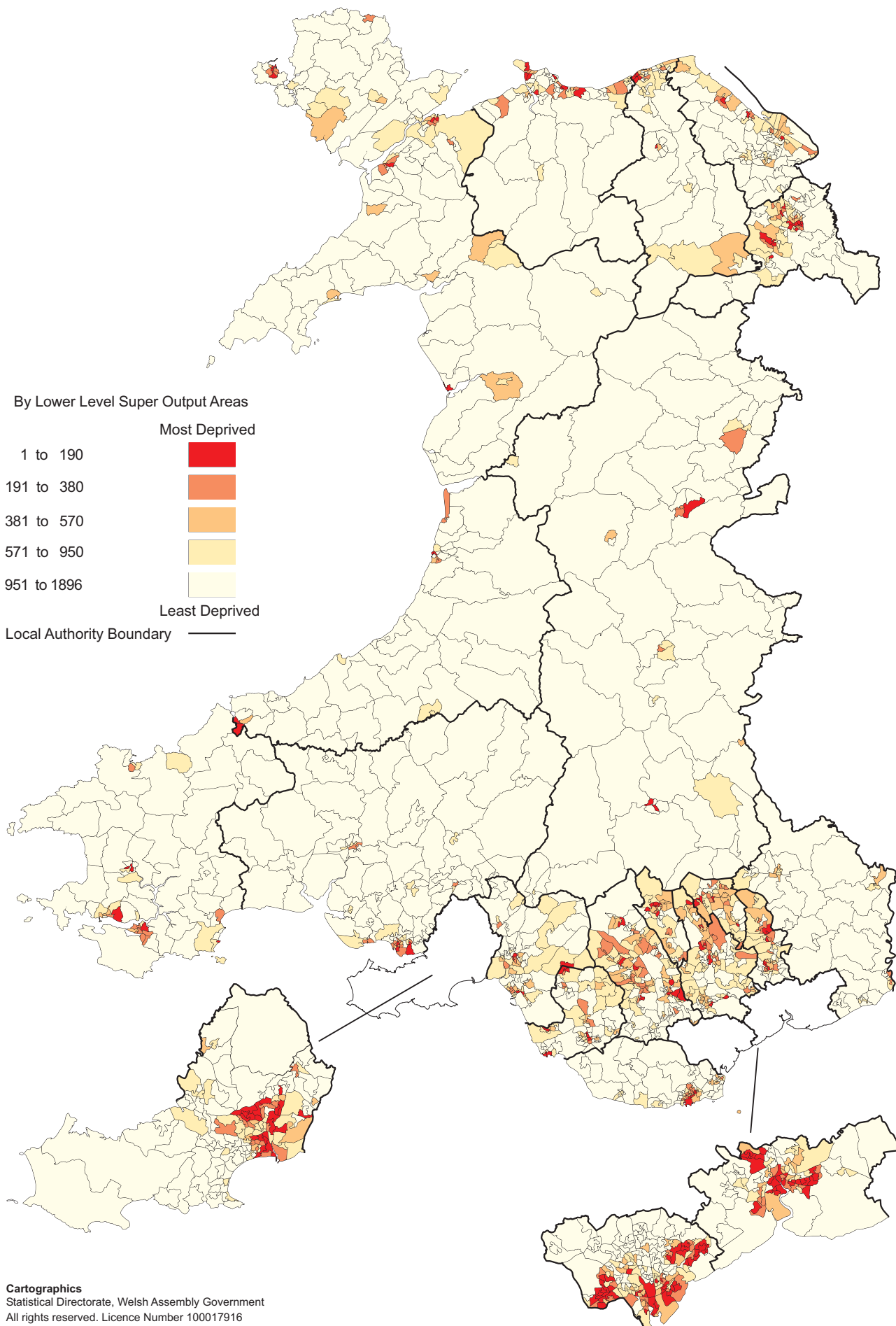
The following table gives (for the ten percent most deprived LSOAs) the:

- rank for the geographical access to services domain,
- deprivation score for the geographical access to services domain,
- name of the LSOA,
- ONS LSOA description (which includes the local authority name),
- ONS LSOA code (which begins with W01 where W means Wales and 01 means Lower Layer).

The highest ranked LSOAs (that is, those with a rank closest to 1) are the most deprived.

Higher scores mean more deprivation.

Community Safety Deprivation Domain



community safety deprivation scores

rank	score	LSOA name	ONS description	ONS code
1	100.0	Rhyl West 2	Denbighshire 004E	W01000240
2	99.1	Queensway 1	Wrexham 010C	W01000413
3	98.2	Ely 1	Cardiff 039A	W01001737
4	97.4	Rhyl West 1	Denbighshire 004D	W01000239
5	96.6	Tyisha 2	Carmarthenshire 026E	W01000733
6	95.8	Townhill 1	Swansea 019A	W01000862
7	95.0	Ely 3	Cardiff 039C	W01001739
8	94.3	Adamsdown 5	Cardiff 036E	W01001698
9	93.6	Trowbridge 7	Cardiff 016C	W01001883
10	92.9	Victoria 4	Newport 013E	W01001693
11	92.2	Wynnstay	Wrexham 010E	W01000425
12	91.6	Ely 2	Cardiff 039B	W01001738
13	90.9	Tylorstown 1	Rhondda Cynon Taf 013B	W01001274
14	90.3	Townhill 3	Swansea 019C	W01000864
15	89.7	Adamsdown 1	Cardiff 036A	W01001694
16	89.1	Trowbridge 8	Cardiff 013D	W01001884
17	88.6	Trevelin 1	Torfaen 003C	W01001530
18	88.0	Bedwas, Trethomas and Machen 6	Caerphilly 021C	W01001345
19	87.5	Aberavon 4	Neath Port Talbot 017C	W01000886
20	86.9	Penderry 1	Swansea 011A	W01000830
21	86.4	Caerau (Cardiff) 7	Cardiff 045D	W01001708
22	85.9	Caerau (Cardiff) 6	Cardiff 041C	W01001707
23	85.4	Cadoc 3	The Vale of Glamorgan 012C	W01001069
24	84.9	Riverside 2	Cardiff 042B	W01001856
25	84.5	Llanrumney 4	Cardiff 015C	W01001805
26	84.0	Glyn (Conwy) 2	Conwy 007C	W01000144
27	83.5	Stow Hill 1	Newport 014B	W01001685
28	83.1	Alway 2	Newport 015A	W01001607
29	82.6	Rhyl South West 2	Denbighshire 006B	W01000237
30	82.2	Bargoed 4	Caerphilly 004D	W01001339
31	81.8	Castle 4	Swansea 025B	W01000745
32	81.4	Trowbridge 3	Cardiff 013A	W01001879
33	81.0	Castle 1	Swansea 016A	W01000742
34	80.6	Bettws (Newport) 1	Newport 003A	W01001617
35	80.2	Cyfarthfa 2	Merthyr Tydfil 004A	W01001292
36	79.8	Splott 8	Cardiff 037D	W01001876
37	79.4	Llanrumney 7	Cardiff 007C	W01001808
38	79.0	Holyhead Town	Isle of Anglesey 003A	W01000016
39	78.7	Gurnos 1	Merthyr Tydfil 001A	W01001299
40	78.3	Stow Hill 3	Newport 014D	W01001687
41	77.9	Fairwater (Cardiff) 4	Cardiff 031A	W01001750
42	77.6	Glyncoch 1	Rhondda Cynon Taf 015A	W01001180
43	77.2	Bettws (Newport) 2	Newport 003B	W01001618
44	76.9	Ringland 6	Newport 010D	W01001668
45	76.6	St. James 3	Caerphilly 022E	W01001421
46	76.2	Gwersyllt North 2	Wrexham 004B	W01000378
47	75.9	Trowbridge 10	Cardiff 016D	W01001886
48	75.6	Twyn Carno 1	Caerphilly 001E	W01001428
49	75.3	Plasnewydd 2	Cardiff 033B	W01001830
50	74.9	Tredegar Central and West 4	Blaenau Gwent 006E	W01001481
51	74.6	Caerau (Bridgend) 1	Bridgend 001A	W01000991
52	74.3	Bettws (Newport) 3	Newport 003C	W01001619
53	74.0	Riverside 3	Cardiff 042C	W01001857
54	73.7	Llysfen 1	Conwy 009E	W01000163
55	73.4	Tudno 2	Conwy 002C	W01000187
56	73.1	Plas Madoc	Wrexham 017E	W01000409
57	72.9	Pillgwenlly 3	Newport 018C	W01001661
58	72.6	Cadoc 4	The Vale of Glamorgan 009C	W01001070
59	72.3	Smithfield	Wrexham 012C	W01000421
60	72.0	Adamsdown 3	Cardiff 036C	W01001696
61	71.8	Castle 2	Swansea 025A	W01000743
62	71.5	Holywell Central	Flintshire 003E	W01000304
63	71.2	Cornelly 4	Bridgend 010D	W01001002
64	71.0	Ely 6	Cardiff 043A	W01001742
65	70.7	Offa	Wrexham 011D	W01000402

community safety deprivation scores *continued*

rank	score	LSOA name	ONS description	ONS code
66	70.4	Splott 5	Cardiff 038C	W01001873
67	70.2	Trowbridge 2	Cardiff 011B	W01001878
68	69.9	Trowbridge 4	Cardiff 013B	W01001880
69	69.7	Splott 3	Cardiff 037B	W01001871
70	69.4	Ely 4	Cardiff 039D	W01001740
71	69.2	Haverfordwest: Castle	Pembrokeshire 005A	W01000568
72	68.9	Cymmer (Neath Port Talbot) 2	Neath Port Talbot 011B	W01000921
73	68.7	Ely 10	Cardiff 041D	W01001746
74	68.5	Rumney 5	Cardiff 016B	W01001867
75	68.2	St. James 4	Caerphilly 022F	W01001422
76	68.0	Marchog 2	Gwynedd 001D	W01000091
77	67.8	Hermitage 2	Wrexham 012B	W01000382
78	67.6	Trowbridge 5	Cardiff 013C	W01001881
79	67.3	Bettws (Newport) 4	Newport 003D	W01001620
80	67.1	Landore 1	Swansea 016C	W01000787
81	66.9	Morfa 1	Bridgend 014A	W01001021
82	66.7	Aberteifi/Cardigan - Teifi	Ceredigion 009E	W01000511
83	66.5	Fairwater (Cardiff) 7	Cardiff 031C	W01001753
84	66.2	Pendery 5	Swansea 011D	W01000834
85	66.0	Pillgwenlly 4	Newport 018D	W01001662
86	65.8	Splott 6	Cardiff 038D	W01001874
87	65.6	Liswerry 5	Newport 015E	W01001646
88	65.4	Splott 2	Cardiff 037A	W01001870
89	65.2	Abertillery 2	Blaenau Gwent 008B	W01001436
90	65.0	Cartrefle 2	Wrexham 010B	W01000353
91	64.8	Alway 4	Newport 015B	W01001609
92	64.6	Rhyl West 3	Denbighshire 004F	W01000241
93	64.4	Pentre 3	Rhondda Cynon Taf 011C	W01001215
94	64.2	Pensarn 1	Conwy 011D	W01000176
95	64.0	Fairwater (Cardiff) 5	Cardiff 027D	W01001751
96	63.8	Llandaff North 4	Cardiff 023D	W01001788
97	63.6	Ely 5	Cardiff 039E	W01001741
98	63.4	Pillgwenlly 1	Newport 018A	W01001659
99	63.2	Pentwyn 3	Cardiff 009A	W01001811
100	63.1	Mynyddbach 1	Swansea 009A	W01000817
101	62.9	Penydarren 1	Merthyr Tydfil 001D	W01001308
102	62.7	Upper Cwmbran 1	Torfaen 009C	W01001536
103	62.5	Butetown 1	Cardiff 047A	W01001699
104	62.3	St. Dials 1	Torfaen 010B	W01001526
105	62.1	Landore 2	Swansea 016D	W01000788
106	62.0	Glanymor 1	Carmarthenshire 026A	W01000659
107	61.8	Queensway 2	Wrexham 010D	W01000414
108	61.6	Flint Coleshill 2	Flintshire 004B	W01000290
109	61.4	Butetown 2	Cardiff 047B	W01001700
110	61.3	New Tredegar 3	Caerphilly 002E	W01001386
111	61.1	Shotton Higher 2	Flintshire 009E	W01000336
112	60.9	St. Julians 2	Newport 007B	W01001676
113	60.8	Plasnewydd 1	Cardiff 033A	W01001829
114	60.6	Brynwern	Torfaen 004A	W01001491
115	60.4	Pen-y-waun 2	Rhondda Cynon Taf 001E	W01001222
116	60.3	Port Talbot 3	Neath Port Talbot 018C	W01000951
117	60.1	Tredegar Central and West 2	Blaenau Gwent 006D	W01001479
118	59.9	Morfa 2	Bridgend 014B	W01001022
119	59.8	Caerau (Cardiff) 4	Cardiff 045C	W01001705
120	59.6	Aberystwyth Rheidol 1	Ceredigion 002D	W01000517
121	59.5	Pendery 7	Swansea 011E	W01000836
122	59.3	Pebblig (Caernarfon)	Gwynedd 006C	W01000098
123	59.1	Llandrillo yn Rhos 4	Conwy 004C	W01000157
124	59.0	Caerau (Bridgend) 2	Bridgend 001B	W01000992
125	58.8	Pentwyn 5	Cardiff 017D	W01001813
126	58.7	Pembroke Dock: Llanion 1	Pembrokeshire 013B	W01000601
127	58.5	Llwynhendy 3	Carmarthenshire 025E	W01000708
128	58.4	St. Mary 1	Powys 017D	W01000492
129	58.2	Haverfordwest: Garth 2	Pembrokeshire 005C	W01000570
130	58.1	Bettws (Newport) 5	Newport 003E	W01001621

community safety deprivation scores *continued*

rank	score	LSOA name	ONS description	ONS code
131	57.9	Pant	Wrexham 015B	W01000405
132	57.8	Baruc 3	The Vale of Glamorgan 015C	W01001061
133	57.6	Town 1	Merthyr Tydfil 004D	W01001315
134	57.5	Deiniol	Gwynedd 001A	W01000062
135	57.3	Glyn (Conwy) 1	Conwy 007B	W01000143
136	57.2	Aberystwyth Canol/Central	Ceredigion 002B	W01000513
137	57.0	Morfa 3	Bridgend 014C	W01001023
138	56.9	Tredegar Park 2	Newport 019D	W01001689
139	56.8	Malpas 2	Newport 002B	W01001652
140	56.6	Rumney 6	Cardiff 022D	W01001868
141	56.5	Mostyn (Conwy) 1	Conwy 002B	W01000168
142	56.3	Gogarth 1	Conwy 001B	W01000146
143	56.2	Alway 6	Newport 011A	W01001611
144	56.1	Castleland 2	The Vale of Glamorgan 012D	W01001074
145	55.9	Bonymaen 2	Swansea 014B	W01000739
146	55.8	Penderry 4	Swansea 011C	W01000833
147	55.7	Victoria 2	Newport 011D	W01001691
148	55.5	Penderry 2	Swansea 013D	W01000831
149	55.4	Castle 8	Swansea 026A	W01000749
150	55.3	Gurnos 2	Merthyr Tydfil 001B	W01001300
151	55.1	Cathays 6	Cardiff 032B	W01001723
152	55.0	Morrison 5	Swansea 003D	W01000810
153	54.9	Ringland 1	Newport 008C	W01001663
154	54.7	Alway 5	Newport 015C	W01001610
155	54.6	Porthyfelin 1	Isle of Anglesey 003F	W01000036
156	54.5	St. John 2	Powys 017C	W01000491
157	54.3	Greenmeadow 1	Torfaen 009A	W01001501
158	54.2	Tenby: South 1	Pembrokeshire 016C	W01000620
159	54.1	Castle 3	Swansea 016B	W01000744
160	54.0	Brynyffynnon 2	Wrexham 011B	W01000350
161	53.8	Porthcawl East Central 2	Bridgend 019D	W01001045
162	53.7	Abermaw 2	Gwynedd 016B	W01000049
163	53.6	Neath North 2	Neath Port Talbot 008D	W01000939
164	53.5	Bargoed 3	Caerphilly 004C	W01001338
165	53.4	Llansamlet 6	Swansea 010D	W01000799
166	53.2	Denbigh Upper/Henllan 1	Denbighshire 011B	W01000198
167	53.1	Graig (Rhondda Cynon Taf) 2	Rhondda Cynon Taf 021B	W01001183
168	53.0	Milford: East	Pembrokeshire 010B	W01000588
169	52.9	Rhydfelen Central/Ilan 2	Rhondda Cynon Taf 022C	W01001238
170	52.7	Grangetown 4	Cardiff 046D	W01001762
171	52.6	Ringland 4	Newport 010B	W01001666
172	52.5	Porthcawl West Central 1	Bridgend 018C	W01001046
173	52.4	Kingsland	Isle of Anglesey 003B	W01000017
174	52.3	Victoria 1	Newport 013D	W01001690
175	52.2	Treforest 1	Rhondda Cynon Taf 022D	W01001262
176	52.0	Liswerry 2	Newport 013B	W01001643
177	51.9	Pendery 3	Swansea 011B	W01000832
178	51.8	New Broughton 2	Wrexham 005D	W01000401
179	51.7	Tonyrefail East 3	Rhondda Cynon Taf 024C	W01001251
180	51.6	Ponciau 2	Wrexham 015C	W01000411
181	51.5	Newtown East	Powys 008A	W01000480
182	51.4	Llanrumney 3	Cardiff 015B	W01001804
183	51.3	Neath East 1	Neath Port Talbot 008A	W01000934
184	51.1	Morrison 7	Swansea 008C	W01000812
185	51.0	Morrison 9	Swansea 008E	W01000814
186	50.9	Rhyl South West 1	Denbighshire 006A	W01000236
187	50.8	Trevethin 2	Torfaen 003D	W01001531
188	50.7	Ely 8	Cardiff 043C	W01001744
189	50.6	Ebbw Vale South 3	Blaenau Gwent 007F	W01001461
190	50.5	Pengam 2	Caerphilly 007D	W01001388



ANNEX A



domain indexes

combining the indicators into domain indexes

The indicators have to be combined into a domain index. Before they are combined they are weighted. Weighting is the adjustment of the contribution the parts (the indicators) make to the whole (the domain index) when combination takes place.

If the indicators were simply added together to form a domain index it would imply that they were judged to be equally important in their contributions to the index—this is not generally true. For some domains that have different underlying metrics and so cannot be combined simply, a statistical procedure known as factor analysis has been used to identify the weights for each indicator on the underlying scale of deprivation for that domain. For other domains the indicators are combined in a more straightforward way.

The domain score is then a combination of the component indicators weighted according to the factor analysis results. The indicator weights are given below. These procedures are described in more detail in the *WIMD Technical Report* (published later in 2008).

income

The indicators used were:

- Adults and Children in Income Support Households
- Adults and Children in Pension Credit Households
- Adults and Children in Income-Based Jobseekers Allowance Households
- Adults and Children in Tax Credit (Child Tax Credit and Working Tax Credit) Households below a low income threshold
- National Asylum Support Service (NASS) supported asylum seekers in Wales in receipt of subsistence only and accommodation support

They were combined using straightforward addition.

employment

The indicators used were:

- Claimants of Unemployment-related benefits
- Claimants of Incapacity Benefit / Severe Disablement Allowance
- Participants on New Deal for Young People and Intensity Activity Period (for New Deal 25+) not included in unemployment-related benefits count
- Participants on New Deal for Lone Parents

They were combined using straightforward addition.

health

The indicators used were:

- Limiting long-term illness (LLTI)
- Standardised all-cause death rate
- Standardised cancer incidence rate
- Singleton low birth weights

They were combined using weights derived by factor analysis.

education, skills, and training

The indicators used were:

- Key Stage 2, average point scores
- Key Stage 3, average point scores
- Key Stage 4, average point scores
- Primary School all absence rate
- Secondary school all absence rate
- Proportion of people not entering Higher Education aged 18-19
- Proportion of adults aged 25 – 59 / 64 with no qualifications

They were combined using weights derived by factor analysis.

housing

The indicators used were:

- Lack of central heating
- Overcrowding (excluding all student households)

They were combined directly assuming equal weighting.

physical environment

The indicators used were:

- Air quality
- Air emissions
- Flood risk
- Proximity to waste disposal and industrial sites

They were combined in three sets: air quality and emissions; waste disposal site and industrial source; and flooding.

geographical access to services

The indicators used were:

- Food shops
- GP surgeries
- Primary schools
- Post office
- Public library
- Leisure centres
- NHS dentist
- Secondary schools
- Transport nodes

They were combined using weights derived by factor analysis.

community safety

The indicators used were:

- Police force recorded crime
- Youth offenders
- Adult offenders
- Fire incidence

They were combined using weights derived by factor analysis.

ANNEX B



super output areas

The Office for National Statistics developed a new geographic hierarchy called Super Output Areas (SOAs). They were designed to improve the reporting of small area statistics in England and Wales. Their first statistical application was for the Index of Deprivation for England in 2004, which led to them being widely used within local government. They have been increasingly used for data on the Neighbourhood Statistics (NeSS) website. It is anticipated that they will eventually become a standard for the production of National Statistics and will be used more generally.

Electoral divisions (previously known as wards) were the basic geographical units used for the Welsh Index of Multiple Deprivation 2000, but there were disadvantages with this approach. Electoral divisions vary greatly in size, from around 1,000 people to 20,000 (in Wales). This is not ideal for making comparisons throughout Wales, and it also means that data which can safely be released for larger electoral divisions may not be released for smaller wards due to disclosure rules (that is, the need to protect the confidentiality of individuals).

The boundaries of electoral divisions change. This creates problems when trying to compare data from different time periods. ONS decided to develop a range of areas that would be of consistent size and whose boundaries would not change. These would be built from groups of the Output Areas (OAs) used for the 2001 Census, and would be known as Super Output Areas (SOAs).

There are three layers of SOAs: Lower Layer, Middle Layer, and Upper Layer. This was because disclosure requirements mean that some sets of data could be released for much smaller areas than others. So to support a range of potential data requirements it was decided to create these three SOA layers. These are the constraints.

- A Lower Layer SOA must have a minimum population of 1,000. The mean size of all the Lower Layer SOAs must be close to 1,500. They are built from groups of Census OAs (usually between four and six).
- A Middle Layer SOA must have a minimum population of 5,000. The mean size of all the Middle Layer SOAs must be close to 7,200
- An Upper Layer SOA must have a minimum population of about 25,000: the formal definition has not been finalised.

There are 1,896 Lower Layer SOAs in Wales (34,378 in England and Wales). They were generated by a computer program which merged OAs taking into account population size, mutual proximity, and social homogeneity. The boundaries were released in February 2004.

The following table gives the number of Lower Layer SOAs in each local authority in Wales.

	<i>number of Lower Layer SOAs</i>
Isle of Anglesey	44
Gwynedd	75
Conwy	71
Denbighshire	58
Flintshire	92
Wrexham	85
Powys	80
Ceredigion	47
Pembrokeshire	71
Carmarthenshire	112
Swansea	147
Neath Port Talbot	91
Bridgend	85
The Vale of Glamorgan	78
Cardiff	203
Rhondda, Cynon, Taff	152
Merthyr Tydfil	36
Caerphilly	110
Blaenau Gwent	47
Torfaen	60
Monmouthshire	58
Newport	94

There are 413 Middle Layer SOAs Wales (7,193 in England and Wales). They were generated in two stages: a draft set was generated automatically (like the Lower Layer SOAs), then local authorities and other local agencies were invited to propose changes to the draft boundaries in order to establish areas that better met local needs. The consultation ran from March to May 2004 and led to publication of the final Middle Layer SOAs in August 2004.

The Upper Layer SOAs have not yet been formally defined.