Ipsos MORI

## Actual and Estimated levels of Sport Participation

 and Activity for Local Authorities using data from the Active Lives SurveyPrepared for Sport England

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## 1. Introduction

### 1.1 Executive Summary

This report outlines the results of the analysis conducted on the actual and estimated rates of sport participation and activity on 326 Local Authorities in England. The key findings are listed below:

- Across 326 Local Authorities, of the factors included in the model, the strongest predictors of sport and activity participation rates are predominantly individual factors. The model highlighted important characteristics, such as age, having a disability, qualification level, ethnicity, working status, occupation type, having children and whether the respondent has attended a sport event/performance or a museum, as significant predictors of engagement
- Among the area variables air quality, population density, local deprivation indicators, ACORN, and the average distance to the nearest general store were statistically significant predictors of engagement
- New area variables, such as the amount of grants awarded to local authorities for sporting activity and the inflow of migrants at Local Authority level were tested again this year but were found not to be significantly related to activity.
- The examples of Wakefield and Epsom and Ewell are presented to illustrate the relationship between the model predictors and the actual rates, in these areas where actual rates of activity or inactivity are as predicted. Leicester is presented as an example of an area where actual activity exceeds the predicted rate, and discusses additional local factors not included in the model, which may help to explain this.


### 1.2 Background

Sport England commissioned Ipsos MORI to calculate expected rates of engagement in sport and physical activity for each Local Authority in England using data from the 2017-2018 Active Lives Survey. Expected rates have been calculated for the following measures of engagement:

- Sport participation, defined as at least twice in the past month
- Inactivity, less than 30 minutes a week excluding gardening
- Activity, at least 150 minutes a week, excluding gardening ${ }^{1}$

[^0]The expected rate is the activity or sport participation rate that would be expected for each of the 326 Local Authorities in England based on their socio-demographic and local profile.

The expected rates were generated using predictive models, where several independent variables are used to predict an outcome of interest. The outcome of interest in this instance is activity, inactivity and sport participation. The independent variables include socio-demographic characteristics of the survey participants, plus a set of local factors, such as population density, local deprivation measures, and local access to sports facilities.

The models have a dual purpose. They provide insight into the relationship between different socio-demographic and area-level characteristics and engagement in activity or sport participation. They are also used to predict expected rates of participation for each Local Authority, allowing the identification of Local Authorities that are over or under-performing according to their socio-demographic and local profile.

Taken together, the analysis provides Sport England with a better understanding of the factors that influence sport participation and activity levels, allowing them to develop better policies aimed at making people more active as part of the ongoing "Towards an Active Nation" strategy 2016-2021.

The outcomes of interest, along with the socio-demographic indicators, were drawn from the Active Lives Survey 2017-2018. The local factors are variously taken from Public Health England, Census 2011 and the Index of Multiple Deprivation. Last year a set of new local factors were introduced to control for other potentially relevant aspects, such as the level of Sport England grant funding ${ }^{2}$, the international migration flows ${ }^{3}$ and the walking distance to the nearest park/fitness centre ${ }^{4}$. Finally, to account for the social composition of each local authority, the latest ONS Area Classification segments ${ }^{5}$ were added to the models.

This report is organised as follows: section 2 describes the sample and the data used in detail, section 3 presents the main results and section 4 concludes. The actual and estimated sport participation rates are reported in Appendix A, while Appendix B describes the models fitted.

[^1]
## 2. Data and sample

The analysis of the actual versus estimated rates of sport participation was conducted on a dataset created by merging multiple data sources. The main dataset, including most of the variables at respondent level and the outcomes of interest is the Active Lives Survey 2017-2018. The total sample consisted of 176,296 respondents across 326 Local Authorities in England and corresponds to the total number of respondents with no missing information that could be used for modelling. The sample was selected from the Postcode Address File using probability sampling and allowing for two individuals per household to take part. The sampling was designed to achieve predetermined counts in each authority; 500 respondents were recruited in most of the Local Authorities, with the range between 250 and 2000.

Other datasets in this analysis provided a wide range of potentially relevant information for the participation rates prediction. These are:

- 2011 Census data
- Acorn codes 2017: clusters indicating the diverse socio-demographic composition of the different communities in the UK
- Public Health England 2017: these data cover several health metrics at Middle Super Output Area (MSOA) level.
- Index of Multiple Deprivation 2015: the indices of Deprivation provide a set of relative measures of deprivation for small areas across England, based on seven different domains of deprivation: Income Deprivation Employment Deprivation Education, Skills and Training Deprivation Health Deprivation and Disability Crime Barriers to Housing and Services Living Environment Deprivation
- ONS Segments: Great Britain's classification of similar areas, using socio-economic and demographic data from the Census
- Sport England grants data 2018: these data recorded the value of grants distributed by Sport England to each Local Authority
- Migration data 2018: this dataset records the international inflows and outflows of people for each Local Authority in England. This is the same data used to model activity and sports participation in the 2017 data, however, low levels of variation within the data, lack of evidence that the rates changed radically year on year, and difficulties accessing updated information, lead to the same data being incorporated into this year's models.
- Ordnance Survey and Sport England Active Places data 2018: these datasets register the proportion of people living within 10 minutes' walk from sport facilities, public parks and fitness facilities. As above, the 2018 data was used.

A detailed list of the all the potential covariates considered for the model are listed in Appendix C. The final models only included covariates that were significantly related to activity or sports participation. This means factors that were not strongly related to activity or sports participation were not used in the predictions.

## 3. Key Findings

### 3.1 Description of main results

This section presents the main results of the analysis conducted on the data. The models predicted the rate of activity, inactivity and sport participation for each of the 326 Local Authorities in England using the range of measures described in the previous section. Models were fitted for three measures of engagement:

- Activity: at least 150 minutes a week excluding gardening
- Inactivity: less than 30 minutes a week excluding gardening
- Sport participation: at least twice in the past month

These models were used to predict participation for each Local Authority based on its characteristics. The predicted rates obtained with the regression models were compared with the actual rates drawn from the Active Lives Survey 2017-2018. ${ }^{6}$ Observing the differences between predicted and actual rates allow us to identify areas which are over or under performing in terms of participation, but also to understand which are the most important individual and area factors that affect sport participation and activity levels in each administrative unit.

A wide range of variables were entered into the models, but only those with the strongest relationship with each outcome were retained. Any non-significant factors were dropped. Table 1 (below) provides the actual percentage increase/decrease of the chances of being active, inactive and participating in sport, given the list of predictors chosen. The percentages highlighted in green denote a variable that is statistically significant at least at $5 \%$ significance level. Each percentage was derived from its related odds ratio ${ }^{7}$ and should be interpreted as the increase/decrease in the chances of being active/inactive with respect to the reference category, whilst keeping all the other variables in the model constant. For example, all else being equal, compared with men aged 16-24 years, men aged 25-34 years are 18\% less likely to be active, $13 \%$ less likely to practice sport and $14 \%$ more likely to be inactive.

The models indicate that the best predictors of the outcomes of interest are mainly individual respondents' characteristics rather than area level features. In particular, for each outcome the proportion of the variation in the dependent variable contributed by area variables is only $0.2 \%$.

[^2]So, although area level measures were retained in the models, they explain very little of activity, inactivity and sport participation. Most of the variation is due to individual characteristics.

Table 1.1: Percentage increase/decrease of the chances to be active, inactive and sport participation

| Variable label | Reference category | Category | \% activity | \% sport | \% inactivity |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Age by gender | Male 16-24 | Male 25-34 | -18\% | -13\% | 14\% |
|  |  | Male 35-44 | -17\% | -7\% | 8\% |
|  |  | Male 45-54 | -25\% | -20\% | 27\% |
|  |  | Male 55-64 | -39\% | -35\% | 58\% |
|  |  | Male 65+ | -53\% | 19\% | 100\% |
|  |  | Female 16-24 | -13\% | -5\% | 7\% |
|  |  | Female 25-34 | -22\% | -12\% | 15\% |
|  |  | Female 35-44 | -24\% | -9\% | 14\% |
|  |  | Female 45-54 | -30\% | -15\% | 23\% |
|  |  | Female 55-64 | -46\% | -35\% | 62\% |
|  |  | Female 65+ | -62\% | -4\% | 128\% |
| Socio-economic group | NS SEC 1-2: Higher social groups | NS SEC 3-5: Middle social groups | -13\% | -15\% | 18\% |
|  |  | NS SEC 6-8: Lower social groups | -23\% | -21\% | 33\% |
|  |  | NS SEC 9: Students and other / unclassified | -24\% | -37\% | 47\% |
|  |  | Aged <16 or 75+ | -55\% | -60\% | 135\% |
| Fieldwork period | Month 25 (Nov 2017 to Dec 2017) | Month 26 (Dec 2017 to Jan 2018) | -19\% | -17\% | 24\% |
|  |  | Month 27 (Jan 2018 to Feb 2018) | -11\% | -10\% | 10\% |
|  |  | Month 28 (Feb 2018 to Mar 2018) | -5\% | -5\% | 8\% |
|  |  | Month 29 (Mar 2018 to Apr 2018) | -2\% | -3\% | 2\% |
|  |  | Month 30 (Apr 2018 to May 2018) | 6\% | 5\% | -4\% |
|  |  | Month 31 (May 2018 to June 2018) | 16\% | 16\% | -10\% |
|  |  | Month 32 (June 2018 to July 2018) | 19\% | 17\% | -10\% |
|  |  | Month 33 (July 2018 to Aug 2018) | 26\% | 17\% | -15\% |
|  |  | Month 34 (Aug 2018 to Sep 2018) | 11\% | 3\% | -2\% |
|  |  | Month 35 (Sep 2018 to Oct 2018) | 7\% | 1\% | 1\% |
|  |  | Month 36 (Oct 2018 to Nov 2018) | -5\% | -8\% | 9\% |
| Region | East Midlands | Eastern | -2\% | 4\% | 0\% |
|  |  | London | -5\% | -1\% | 3\% |
|  |  | North East | -13\% | -16\% | 21\% |
|  |  | North West | -5\% | -8\% | 4\% |
|  |  | South East | -1\% | 7\% | -2\% |
|  |  | South West | 9\% | 8\% | -10\% |


|  |  | West Midlands | -6\% | -5\% | 7\% |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Yorkshire \& Humber | -2\% | -4\% | 2\% |
| Whether has a disability | Limiting disability | Non-limiting disability | 63\% | 100\% | -41\% |
|  |  | No disability | 81\% | 113\% | -46\% |
| Ethnicity | White British | White other+mixed | -11\% | -18\% | 19\% |
|  |  | Asian+Chinese | -32\% | -33\% | 48\% |
|  |  | Black+other | -29\% | -28\% | 36\% |
| Highest qual | Level 4 | Level 3 and equivalents | -10\% | -12\% | 12\% |
|  |  | Level 2 and equivalents | -14\% | -19\% | 22\% |
|  |  | Level 1 and below | -24\% | -31\% | 43\% |
|  |  | Another type of qualification | -14\% | -23\% | 22\% |
|  |  | No qualifications | -33\% | -39\% | 60\% |
| Work status | Working FT | Working PT | 11\% | 20\% | -14\% |
|  |  | Unemployed < 12mths | 14\% | 9\% | -3\% |
|  |  | Unemployed >12 mths | 11\% | 10\% | -7\% |
|  |  | Not working-retired | 23\% | 23\% | -13\% |
|  |  | Not working-looking after house/children | 11\% | 8\% | -5\% |
|  |  | Not working-long term sick or disabled | -38\% | -36\% | 77\% |
|  |  | Student FT | 63\% | 91\% | -41\% |
|  |  | Other | -1\% | -4\% | 6\% |
| Occupation type | Modern professional occupations | Clerical and intermediate occupations | -1\% | 4\% | -3\% |
|  |  | Senior managers or administrators | 9\% | 13\% | -9\% |
|  |  | Technical and craft occupations | -5\% | -4\% | 5\% |
|  |  | Semi-routine manual and service occupations | 3\% | 1\% | -5\% |
|  |  | Routine manual and service occupations | -6\% | -10\% | 8\% |
|  |  | Middle or junior managers | -3\% | -1\% | 1\% |
|  |  | Traditional professional occupations | 1\% | 6\% | -5\% |
| Number of children in hh | None | 1 child | -20\% | -14\% | 17\% |
|  |  | 2 children | -21\% | -15\% | 17\% |
|  |  | 3+ children | -19\% | -16\% | 18\% |
| Number of adults in hh | 1 adult | 2 adults | 1\% | 7\% | -4\% |
|  |  | 3 adults | 10\% | 14\% | -10\% |
|  |  | 4+ adults | 13\% | 13\% | -11\% |
| Spent time doing something creative, artistic or theatrical in past 12 months | No | Yes | 21\% | 27\% | -21\% |
| Attended an event, performance or festival in past 12 months | No | Yes | 31\% | 48\% | -31\% |
| Attended a sports event in the last 12 months | None | Once | 29\% | 33\% | -27\% |
|  |  | Twice | 57\% | 64\% | -36\% |
|  |  | 3+ times | 78\% | 90\% | -44\% |
| Attended a museum or gallery in the past 12 months | No | Yes | 49\% | 68\% | -38\% |

Area-level characteristics


### 3.2 Comparison of three different Local Authorities

The following section presents a comparison among three Local Authorities of actual and predicted activity. The focus is on several area and population characteristics which may explain the differences in the estimated results. The three Local Authorities of interest are Wakefield, characterised by high rates of actual and predicted inactivity, Epsom and Ewell, with high levels of actual and predicted activity, and Leicester, whose actual and predicted levels of activity are quite different. Differences exist at individual and area level, although the analysis in the previous section demonstrates that the latter account for a small portion activity and sport participation variability.

## Wakefield (actual inactivity rate 29.7\% - predicted inactivity rate 29.7\%):

The inactivity model showed there were a number of individual and area level characteristics that were related to levels of inactivity. Specifically, the model showed that inactivity was higher for older people, for people who did not work, or were working in routine or semi-routine occupations, people with a limiting disability, people with children, those in single adult households, those living in urban areas, people who did not tend to engage in cultural activities, and people who did not attend performances or sporting events.

Wakefield is a major urban conurbation, areas such as these tend to have higher levels of inactivity. In addition, Wakefield has a higher prevalence of individual characteristics that are related to inactivity, these explain why the predicted level of inactivity from the model was close to the actual inactivity rate.

The area contains a low number of people aged 16-24 years (10\% of the adults living in Wakefield, compared to $14 \%$ of the overall population of adults in England). Individuals in this age group tend to have higher activity rates.

Wakefield has a higher proportion of individuals without qualifications, when compared to the wider population of English adults (11\% in Wakefield, 9\% overall). Low qualifications are associated with higher levels of inactivity. Wakefield also has a higher proportion of individuals in in routine manual work than in the overall population (13\%, versus 10\%), and in semi-routine work ( $17 \%$, versus $12 \%$ ) Wakefield also contains a higher proportion of households with children ( $37 \%$, versus $29 \%$ in the overall population) and single adult households $16 \%$ versus $14 \%$ ), both of these household types are related to higher inactivity.

Wakefield has lower attendance for cultural performances and live sporting events; 31\% reported attending a live sporting events in the past 12 months, compared to $36 \%$ of the wider adult population in England. Similarly, 34\% attended a museum or gallery in the past 12 months (compared to $46 \%$ of the overall population), $26 \%$ spent time doing a creative activity (compared to $34 \%$ of the overall population), and $36 \%$ attended a cultural performance of event (compared to $51 \%$ of the overall population).

Higher inactivity levels are associated with lower levels of attendance to both sports events and cultural events.

## Epsom and Ewell (actual activity rate 67.5\% - predicted activity rate 67.4\%):

This local authority is characterised by a high proportion of people with degree-level qualification, who belong to higher social classes and are in professional occupations. The activity model indicates that people from these backgrounds tend to have higher levels of activity.

The model identified higher activity rates amongst NS-SEC 1-2 (higher social groups), those in professional occupations, and those with degree-level qualifications. The proportion of individuals in these groups was higher in Epsom and Ewell than it was amongst the wider population; 55\% of the adults in Epsom and Ewell were in the higher NS-SEC social group, compared to $37 \%$ overall, $39 \%$ were in professional occupations, compared to $26 \%$ overall, and $58 \%$ held degree-level qualifications, compared to $41 \%$ overall.

The activity model also showed a strong link between high activity levels and higher levels of participation in creative activities and higher levels of attendance for cultural and sporting events. The participation rates in Epsom and Ewell are high; 55\% of the residents attended a museum in the last 12 months, $37 \%$ spent time doing a creative activity, $61 \%$ attended a cultural performance or event, and $39 \%$ attended a sporting event. The equivalent figures for the overall adult population of England were $46 \%$ for museum attendance, $34 \%$ for creative activities, $51 \%$ for cultural events, and $34 \%$ for sporting events.

Whilst the residents of Epsom and Ewell also held a number of characteristics that were linked to lower activity levels (there is a high proportion of households in Epsom and Ewell with dependent children and, linked to this, a relatively high proportion of residents in the 35-54 years age range), these characteristics are offset by the high proportion of households from professional backgrounds and high levels of participation on other cultural activities. This meant the activity model was able to make a good prediction of activity participation in Epsom and Ewell.

Leicester (actual activity rate 62.7\% - predicted activity rate 56.7\%): this area highly populated and ethnically diverse (39\% are white British, 40\% are from Asian backgrounds). Asian or Chinese backgrounds were associated with lower levels of activity in the overall model; however, the Leicester model indicates that this is not the case within Leicester; as the difference in activity levels for Asian respondents and White British respondents in the Leicester model is not significant. This suggests local factors are reducing the ethnic differences in activity, helping to increase the actual activity rate compared with the predicted rate. Other characteristics of the Leicester population are associated with higher activity levels; Leicester has a young population ( $28 \%$ aged $16-24$, compared to $14 \%$ in the overall population), with a correspondingly high number of students ( $24 \%$, compared to $9 \%$ in the overall population) and very low number of retirees ( $9 \%$, compared to $21 \%$ overall), both factors are related to higher levels of activity.

The finding that the actual rates of activity and sports participation are higher in Leicester than those predicted by the model may also be attributable to a number of factors not captured by the model. An increase in the profile of physical activity and exercise within the Council has led to better coordination of existing walking, cycling, leisure centres, parks and outdoor gym programmes. Improved leadership and partnership working amongst stakeholders within the City is increasingly having a positive impact on the reach
of city based participation programmes. Closer alignment between the Council's Public Health and Sport and Leisure Service continues to drive internal transformational improvements to the public sector leisure offer and increasingly the City has benefitted from a greater presence of private sector fitness operators within the city centre.

Overall, it appears that the current set of predictors for activity works well for Wakefield and Epsom and Ewell, but does not provide the same goodness of fit for Leicester. Here, other local factors not included in the model may be relevant to the higher than expected level of activity achieved.

## 4. Conclusion

This report outlines the analysis conducted on the Active Lives Survey data to estimate the levels of engagement, defined as rate of activity, inactivity and sport participation. The aims of this analysis are twofold: primarily understanding which individual and area level factors influence the three outcomes, and secondly to observe which Local Authorities are over or under performing in respect to the actual levels of activity. In addition, three Local Authorities, Wakefield, Epsom and Ewell, and Leicester, were analysed in more detail with the aim of better illustrating how individual and area characteristics explain differences in activity rates.

Across the 326 Local Authorities, the models show how the respondent's age, health, family composition, education level and lifestyle (i.e. whether the respondent attends sport or cultural events) all have a significant impact on the three activity outcomes. Among the area level variables, air quality and IMD score were also seen to affect the participation rates. To capture the social composition of each respondent's Local Authority the latest ONS Area Classification segments were included and found to be related to the individual's likelihood of being active, inactive or practice sport. In contrast, the Local Authority level of expenditure for sport activities and the migration flows, did not show any significant effect, leading to the conclusion that individual characteristics play a bigger role in explaining the different rates of sport participation, compared to area level information. The analysis conducted on the three Local Authorities highlighted some strong predictors of activity which vary from one area to the other and may explain why activity levels are different for the areas considered

## Appendix A: Activity, Inactivity and Sport| rates by LA

Table A1. Predicted and actual inactivity rates by LA

| LA code | LA name | Number of respondents | Predicted rate of inactivity | Actual rate of inactivity | Difference in rate of inactivity |
| :---: | :---: | :---: | :---: | :---: | :---: |
| E07000223 | Adur | 511 | 26.1\% | 23.3\% | -2.7\% |
| E07000026 | Allerdale | 475 | 25.7\% | 22.5\% | -3.2\% |
| E07000032 | Amber Valley | 492 | 25.7\% | 24.7\% | -1.0\% |
| E07000224 | Arun | 469 | 26.8\% | 25.9\% | -0.9\% |
| E07000170 | Ashfield | 503 | 30.8\% | 29.6\% | -1.2\% |
| E07000105 | Ashford | 489 | 25.0\% | 27.3\% | 2.3\% |
| E07000004 | Aylesbury Vale | 470 | 20.0\% | 21.0\% | 1.0\% |
| E07000200 | Babergh | 458 | 25.6\% | 25.8\% | 0.2\% |
| E09000002 | Barking and Dagenham | 455 | 33.0\% | 35.9\% | 2.9\% |
| E09000003 | Barnet | 483 | 23.9\% | 22.6\% | -1.3\% |
| E08000016 | Barnsley | 482 | 31.8\% | 31.4\% | -0.5\% |
| E07000027 | Barrow-in-Furness | 484 | 28.2\% | 31.8\% | 3.7\% |
| E07000066 | Basildon | 481 | 26.6\% | 28.5\% | 1.9\% |
| E07000084 | Basingstoke and Deane | 502 | 19.7\% | 19.1\% | -0.6\% |
| E07000171 | Bassetlaw | 518 | 30.1\% | 28.4\% | -1.7\% |
|  | Bath and North East |  |  |  |  |
| E06000022 | Somerset | 509 | 18.4\% | 15.0\% | -3.4\% |
| E06000055 | Bedford | 485 | 25.5\% | 30.2\% | 4.7\% |
| E09000004 | Bexley | 481 | 26.9\% | 21.7\% | -5.2\% |
| E08000025 | Birmingham | 1939 | 29.6\% | 28.6\% | -1.0\% |
| E07000129 | Blaby | 496 | 26.5\% | 26.1\% | -0.5\% |
| E06000008 | Blackburn with Darwen | 497 | 31.1\% | 33.3\% | 2.2\% |
| E06000009 | Blackpool | 474 | 33.6\% | 35.9\% | 2.4\% |
| E07000033 | Bolsover | 496 | 31.1\% | 30.0\% | -1.1\% |
| E08000001 | Bolton | 967 | 29.8\% | 28.1\% | -1.6\% |
| E07000136 | Boston | 495 | 33.2\% | 37.2\% | 4.0\% |
| E06000028 | Bournemouth | 491 | 20.5\% | 19.3\% | -1.3\% |
| E06000036 | Bracknell Forest | 505 | 20.5\% | 17.9\% | -2.6\% |
| E08000032 | Bradford | 967 | 28.4\% | 23.7\% | -4.7\% |
| E07000067 | Braintree | 493 | 24.5\% | 22.3\% | -2.2\% |
| E07000143 | Breckland | 495 | 29.2\% | 26.8\% | -2.4\% |
| E09000005 | Brent | 497 | 32.3\% | 30.4\% | -1.9\% |
| E07000068 | Brentwood | 481 | 22.3\% | 26.2\% | 3.9\% |
| E06000043 | Brighton and Hove | 496 | 18.5\% | 18.8\% | 0.3\% |
| E06000023 | Bristol, City of | 1963 | 17.9\% | 18.3\% | 0.4\% |
| E07000144 | Broadland | 482 | 26.2\% | 27.5\% | 1.3\% |
| E09000006 | Bromley | 476 | 21.9\% | 23.3\% | 1.4\% |
| E07000234 | Bromsgrove | 513 | 23.5\% | 25.6\% | 2.1\% |
| E07000095 | Broxbourne | 500 | 29.3\% | 30.8\% | 1.5\% |
| E07000172 | Broxtowe | 498 | 21.9\% | 19.8\% | -2.0\% |
| E07000117 | Burnley | 544 | 30.2\% | 28.8\% | -1.4\% |
| E08000002 | Bury | 1002 | 26.3\% | 27.4\% | 1.1\% |


| E08000033 | Calderdale | 499 | 25.0\% | 24.0\% | -1.0\% |
| :---: | :---: | :---: | :---: | :---: | :---: |
| E07000008 | Cambridge | 740 | 15.7\% | 12.6\% | -3.1\% |
| E09000007 | Camden | 504 | 19.2\% | 17.0\% | -2.2\% |
| E07000192 | Cannock Chase | 478 | 30.3\% | 28.3\% | -2.0\% |
| E07000106 | Canterbury | 495 | 19.5\% | 20.7\% | 1.2\% |
| E07000028 | Carlisle | 486 | 26.1\% | 28.0\% | 1.9\% |
| E07000069 | Castle Point | 492 | 30.2\% | 25.3\% | -4.9\% |
| E06000056 | Central Bedfordshire | 492 | 22.7\% | 24.1\% | 1.4\% |
| E07000130 | Charnwood | 477 | 25.6\% | 26.4\% | 0.9\% |
| E07000070 | Chelmsford | 472 | 22.0\% | 25.5\% | 3.4\% |
| E07000078 | Cheltenham | 483 | 19.7\% | 20.9\% | 1.2\% |
| E07000177 | Cherwell | 469 | 22.2\% | 25.6\% | 3.4\% |
| E06000049 | Cheshire East | 514 | 24.5\% | 20.4\% | -4.1\% |
| E06000050 | Cheshire West and Chester | 465 | 24.1\% | 23.5\% | -0.6\% |
| E07000034 | Chesterfield | 502 | 26.4\% | 23.6\% | -2.8\% |
| E07000225 | Chichester | 496 | 21.5\% | 18.6\% | -2.9\% |
| E07000005 | Chiltern | 473 | 17.8\% | 18.7\% | 0.9\% |
| E07000118 | Chorley | 494 | 21.9\% | 18.9\% | -3.0\% |
| E07000048 | Christchurch | 489 | 23.2\% | 21.0\% | -2.2\% |
| E09000001 | City of London | 230 | 16.0\% | 17.4\% | 1.5\% |
| E07000071 | Colchester | 491 | 23.8\% | 20.7\% | -3.1\% |
| E07000029 | Copeland | 480 | 27.6\% | 27.4\% | -0.2\% |
| E07000150 | Corby | 481 | 32.0\% | 32.4\% | 0.4\% |
| E06000052 | Cornwall | 499 | 22.0\% | 23.7\% | 1.7\% |
| E07000079 | Cotswold | 505 | 20.3\% | 19.1\% | -1.1\% |
| E06000047 | County Durham | 469 | 29.1\% | 28.8\% | -0.3\% |
| E08000026 | Coventry | 513 | 29.8\% | 32.4\% | 2.6\% |
| E07000163 | Craven | 483 | 22.9\% | 18.1\% | -4.7\% |
| E07000226 | Crawley | 501 | 26.1\% | 23.9\% | -2.2\% |
| E09000008 | Croydon | 486 | 24.6\% | 24.7\% | 0.2\% |
| E07000096 | Dacorum | 494 | 22.1\% | 22.2\% | 0.1\% |
| E06000005 | Darlington | 477 | 29.4\% | 28.7\% | -0.8\% |
| E07000107 | Dartford | 495 | 25.4\% | 19.9\% | -5.5\% |
| E07000151 | Daventry | 491 | 23.3\% | 25.9\% | 2.6\% |
| E06000015 | Derby | 487 | 27.4\% | 23.5\% | -3.9\% |
| E07000035 | Derbyshire Dales | 511 | 23.1\% | 20.9\% | -2.2\% |
| E08000017 | Doncaster | 498 | 30.8\% | 34.6\% | 3.9\% |
| E07000108 | Dover | 478 | 24.6\% | 26.0\% | 1.4\% |
| E08000027 | Dudley | 480 | 28.9\% | 32.6\% | 3.7\% |
| E09000009 | Ealing | 483 | 26.5\% | 22.6\% | -3.9\% |
| E07000009 | East Cambridgeshire | 480 | 24.0\% | 23.7\% | -0.3\% |
| E07000040 | East Devon | 488 | 19.8\% | 17.9\% | -1.9\% |
| E07000049 | East Dorset | 464 | 23.0\% | 21.2\% | -1.7\% |
| E07000085 | East Hampshire | 499 | 22.0\% | 21.3\% | -0.7\% |
| E07000242 | East Hertfordshire | 465 | 20.5\% | 21.6\% | 1.1\% |
| E07000137 | East Lindsey | 473 | 32.8\% | 38.1\% | 5.3\% |
| E07000152 | East Northamptonshire | 507 | 25.5\% | 25.1\% | -0.4\% |
| E06000011 | East Riding of Yorkshire | 491 | 25.7\% | 30.4\% | 4.7\% |
| E07000193 | East Staffordshire | 474 | 26.7\% | 22.1\% | -4.6\% |
| E07000061 | Eastbourne | 515 | 25.9\% | 31.5\% | 5.6\% |
| E07000086 | Eastleigh | 477 | 23.0\% | 22.5\% | -0.6\% |
| E07000030 | Eden | 507 | 22.9\% | 21.9\% | -0.9\% |
| E07000207 | Elmbridge | 485 | 18.2\% | 19.8\% | 1.6\% |
| E09000010 | Enfield | 476 | 30.2\% | 29.4\% | -0.9\% |


| E07000072 | Epping Forest | 502 | 26.0\% | 22.3\% | -3.6\% |
| :---: | :---: | :---: | :---: | :---: | :---: |
| E07000208 | Epsom and Ewell | 502 | 20.5\% | 17.5\% | -3.0\% |
| E07000036 | Erewash | 505 | 27.6\% | 25.0\% | -2.6\% |
| E07000041 | Exeter | 492 | 17.7\% | 13.1\% | -4.6\% |
| E07000087 | Fareham | 463 | 21.6\% | 18.0\% | -3.7\% |
| E07000010 | Fenland | 491 | 32.8\% | 34.8\% | 2.1\% |
| E07000201 | Forest Heath | 481 | 30.1\% | 29.6\% | -0.5\% |
| E07000080 | Forest of Dean | 497 | 23.8\% | 20.4\% | -3.4\% |
| E07000119 | Fylde | 530 | 24.4\% | 23.3\% | -1.0\% |
| E08000037 | Gateshead | 465 | 28.5\% | 25.3\% | -3.2\% |
| E07000173 | Gedling | 498 | 24.2\% | 24.0\% | -0.2\% |
| E07000081 | Gloucester | 479 | 21.7\% | 27.2\% | 5.5\% |
| E07000088 | Gosport | 485 | 24.5\% | 25.1\% | 0.7\% |
| E07000109 | Gravesham | 487 | 28.5\% | 30.3\% | 1.8\% |
| E07000145 | Great Yarmouth | 499 | 29.9\% | 26.9\% | -3.0\% |
| E09000011 | Greenwich | 474 | 25.0\% | 20.8\% | -4.2\% |
| E07000209 | Guildford | 467 | 17.6\% | 16.3\% | -1.3\% |
| E09000012 | Hackney | 530 | 20.4\% | 18.6\% | -1.9\% |
| E06000006 | Halton | 484 | 28.7\% | 28.0\% | -0.7\% |
| E07000164 | Hambleton | 481 | 23.0\% | 27.1\% | 4.1\% |
| E09000013 | Hammersmith and Fulham | 479 | 20.1\% | 23.5\% | 3.5\% |
| E07000131 | Harborough | 483 | 20.9\% | 21.5\% | 0.6\% |
| E09000014 | Haringey | 486 | 20.9\% | 22.2\% | 1.3\% |
| E07000073 | Harlow | 503 | 27.5\% | 28.6\% | 1.1\% |
| E07000165 | Harrogate | 495 | 23.7\% | 20.5\% | -3.1\% |
| E09000015 | Harrow | 498 | 28.9\% | 30.6\% | 1.7\% |
| E07000089 | Hart | 500 | 20.1\% | 22.5\% | 2.4\% |
| E06000001 | Hartlepool | 467 | 31.4\% | 33.2\% | 1.8\% |
| E07000062 | Hastings | 485 | 27.1\% | 25.0\% | -2.0\% |
| E07000090 | Havant | 476 | 29.2\% | 25.1\% | -4.1\% |
| E09000016 | Havering | 501 | 27.1\% | 24.9\% | -2.2\% |
| E06000019 | Herefordshire, County of | 484 | 26.9\% | 26.4\% | -0.5\% |
| E07000098 | Hertsmere | 502 | 23.8\% | 23.6\% | -0.2\% |
| E07000037 | High Peak | 488 | 23.3\% | 22.5\% | -0.7\% |
| E09000017 | Hillingdon | 486 | 27.2\% | 30.3\% | 3.0\% |
| E07000132 | Hinckley and Bosworth | 484 | 25.8\% | 30.1\% | 4.3\% |
| E07000227 | Horsham | 469 | 21.7\% | 23.3\% | 1.6\% |
| E09000018 | Hounslow | 484 | 27.6\% | 27.9\% | 0.3\% |
| E07000011 | Huntingdonshire | 468 | 23.9\% | 24.1\% | 0.2\% |
| E07000120 | Hyndburn | 477 | 31.7\% | 32.2\% | 0.5\% |
| E07000202 | Ipswich | 490 | 27.6\% | 24.6\% | -3.0\% |
| E06000046 | Isle of Wight | 450 | 26.6\% | 20.7\% | -5.9\% |
| E06000053 | Isles of Scilly | 234 | 17.7\% | 18.5\% | 0.9\% |
| E09000019 | Islington | 473 | 18.4\% | 15.9\% | -2.6\% |
| E09000020 | Kensington and Chelsea | 509 | 21.8\% | 20.2\% | -1.6\% |
| E07000153 | Kettering | 480 | 27.0\% | 25.0\% | -2.0\% |
|  | King's Lynn and West |  |  |  |  |
| E07000146 | Norfolk | 495 | 30.6\% | 34.1\% | 3.5\% |
| E06000010 | Kingston upon Hull, City of | 478 | 28.8\% | 30.6\% | 1.8\% |
| E09000021 | Kingston upon Thames | 472 | 21.4\% | 20.6\% | -0.9\% |
| E08000034 | Kirklees | 472 | 30.2\% | 32.4\% | 2.2\% |
| E08000011 | Knowsley | 484 | 28.5\% | 28.9\% | 0.4\% |
| E09000022 | Lambeth | 489 | 18.8\% | 17.3\% | -1.5\% |
| E07000121 | Lancaster | 493 | 21.2\% | 19.5\% | -1.7\% |
| E08000035 | Leeds | 1928 | 22.3\% | 22.5\% | 0.2\% |


| E06000016 | Leicester | 454 | 31.0\% | 24.3\% | -6.7\% |
| :---: | :---: | :---: | :---: | :---: | :---: |
| E07000063 | Lewes | 509 | 23.7\% | 24.7\% | 1.0\% |
| E09000023 | Lewisham | 473 | 21.8\% | 18.1\% | -3.7\% |
| E07000194 | Lichfield | 507 | 25.6\% | 24.3\% | -1.4\% |
| E07000138 | Lincoln | 496 | 23.0\% | 24.3\% | 1.3\% |
| E08000012 | Liverpool | 2000 | 23.4\% | 23.4\% | 0.0\% |
| E06000032 | Luton | 459 | 30.3\% | 33.4\% | 3.1\% |
| E07000110 | Maidstone | 501 | 24.5\% | 21.8\% | -2.7\% |
| E07000074 | Maldon | 472 | 25.1\% | 21.6\% | -3.5\% |
| E07000235 | Malvern Hills | 496 | 25.3\% | 25.2\% | -0.2\% |
| E08000003 | Manchester | 1996 | 23.4\% | 23.7\% | 0.3\% |
| E07000174 | Mansfield | 473 | 29.6\% | 24.4\% | -5.2\% |
| E06000035 | Medway | 481 | 24.8\% | 27.3\% | 2.6\% |
| E07000133 | Melton | 496 | 25.1\% | 20.4\% | -4.6\% |
| E07000187 | Mendip | 504 | 22.8\% | 25.4\% | 2.5\% |
| E09000024 | Merton | 482 | 22.3\% | 20.5\% | -1.8\% |
| E07000042 | Mid Devon | 521 | 22.5\% | 21.4\% | -1.2\% |
| E07000203 | Mid Suffolk | 491 | 23.9\% | 26.6\% | 2.7\% |
| E07000228 | Mid Sussex | 491 | 18.9\% | 19.9\% | 1.1\% |
| E06000002 | Middlesbrough | 468 | 33.0\% | 32.5\% | -0.5\% |
| E06000042 | Milton Keynes | 471 | 22.3\% | 20.4\% | -1.9\% |
| E07000210 | Mole Valley | 478 | 21.1\% | 26.2\% | 5.1\% |
| E07000091 | New Forest | 481 | 23.7\% | 23.8\% | 0.1\% |
| E07000175 | Newark and Sherwood | 519 | 27.3\% | 25.7\% | -1.6\% |
| E08000021 | Newcastle upon Tyne | 1924 | 25.2\% | 24.5\% | -0.8\% |
| E07000195 | Newcastle-under-Lyme | 483 | 26.3\% | 25.9\% | -0.4\% |
| E09000025 | Newham | 481 | 30.7\% | 32.5\% | 1.7\% |
| E07000043 | North Devon | 500 | 21.5\% | 23.8\% | 2.3\% |
| E07000050 | North Dorset | 479 | 21.4\% | 21.1\% | -0.3\% |
| E07000038 | North East Derbyshire | 503 | 26.5\% | 28.6\% | 2.1\% |
| E06000012 | North East Lincolnshire | 504 | 30.6\% | 35.1\% | 4.4\% |
| E07000099 | North Hertfordshire | 479 | 21.9\% | 23.9\% | 2.0\% |
| E07000139 | North Kesteven | 501 | 25.7\% | 28.0\% | 2.3\% |
| E06000013 | North Lincolnshire | 493 | 28.8\% | 29.7\% | 1.0\% |
| E07000147 | North Norfolk | 497 | 27.3\% | 21.7\% | -5.6\% |
| E06000024 | North Somerset | 509 | 21.3\% | 22.9\% | 1.6\% |
| E08000022 | North Tyneside | 478 | 28.9\% | 32.9\% | 4.0\% |
| E07000218 | North Warwickshire | 489 | 30.1\% | 30.9\% | 0.7\% |
| E07000134 | North West Leicestershire | 480 | 25.7\% | 30.1\% | 4.4\% |
| E07000154 | Northampton | 499 | 28.0\% | 26.3\% | -1.6\% |
| E06000057 | Northumberland | 469 | 26.7\% | 26.8\% | 0.1\% |
| E07000148 | Norwich | 728 | 21.9\% | 19.2\% | -2.7\% |
| E06000018 | Nottingham | 1927 | 25.2\% | 24.4\% | -0.8\% |
| E07000219 | Nuneaton and Bedworth | 493 | 30.1\% | 32.1\% | 1.9\% |
| E07000135 | Oadby and Wigston | 490 | 27.5\% | 27.0\% | -0.5\% |
| E08000004 | Oldham | 997 | 30.4\% | 31.7\% | 1.3\% |
| E07000178 | Oxford | 734 | 16.2\% | 16.6\% | 0.4\% |
| E07000122 | Pendle | 492 | 29.7\% | 29.3\% | -0.4\% |
| E06000031 | Peterborough | 490 | 30.8\% | 25.9\% | -4.9\% |
| E06000026 | Plymouth | 501 | 24.5\% | 23.9\% | -0.6\% |
| E06000029 | Poole | 497 | 21.7\% | 18.4\% | -3.4\% |
| E06000044 | Portsmouth | 494 | 22.5\% | 20.3\% | -2.3\% |
| E07000123 | Preston | 486 | 25.1\% | 26.4\% | 1.2\% |
| E07000051 | Purbeck | 499 | 23.9\% | 22.9\% | -1.0\% |


| E06000038 | Reading | 486 | 21.9\% | 21.9\% | 0.0\% |
| :---: | :---: | :---: | :---: | :---: | :---: |
| E09000026 | Redbridge | 460 | 30.9\% | 28.0\% | -2.9\% |
| E06000003 | Redcar and Cleveland | 481 | 30.7\% | 29.1\% | -1.6\% |
| E07000236 | Redditch | 510 | 29.4\% | 26.0\% | -3.3\% |
| E07000211 | Reigate and Banstead | 464 | 19.9\% | 17.8\% | -2.1\% |
| E07000124 | Ribble Valley | 483 | 24.0\% | 21.8\% | -2.2\% |
| E09000027 | Richmond upon Thames | 491 | 16.0\% | 14.9\% | -1.1\% |
| E07000166 | Richmondshire | 464 | 22.9\% | 14.7\% | -8.1\% |
| E08000005 | Rochdale | 938 | 31.9\% | 30.9\% | -1.0\% |
| E07000075 | Rochford | 491 | 24.1\% | 24.9\% | 0.8\% |
| E07000125 | Rossendale | 490 | 24.8\% | 27.5\% | 2.7\% |
| E07000064 | Rother | 486 | 25.4\% | 30.0\% | 4.6\% |
| E08000018 | Rotherham | 483 | 28.7\% | 34.4\% | 5.7\% |
| E07000220 | Rugby | 490 | 24.6\% | 26.6\% | 1.9\% |
| E07000212 | Runnymede | 504 | 21.6\% | 20.3\% | -1.3\% |
| E07000176 | Rushcliffe | 503 | 18.8\% | 17.1\% | -1.7\% |
| E07000092 | Rushmoor | 518 | 23.7\% | 29.1\% | 5.4\% |
| E06000017 | Rutland | 485 | 25.0\% | 25.5\% | 0.5\% |
| E07000167 | Ryedale | 499 | 24.4\% | 25.1\% | 0.7\% |
| E08000006 | Salford | 990 | 27.9\% | 25.7\% | -2.3\% |
| E08000028 | Sandwell | 473 | 35.6\% | 32.7\% | -2.9\% |
| E07000168 | Scarborough | 495 | 25.6\% | 21.3\% | -4.3\% |
| E07000188 | Sedgemoor | 505 | 25.3\% | 28.7\% | 3.4\% |
| E08000014 | Sefton | 511 | 25.8\% | 24.7\% | -1.1\% |
| E07000169 | Selby | 496 | 25.2\% | 28.0\% | 2.8\% |
| E07000111 | Sevenoaks | 482 | 22.3\% | 19.1\% | -3.2\% |
| E08000019 | Sheffield | 1973 | 23.1\% | 23.8\% | 0.7\% |
| E07000112 | Shepway | 514 | 24.2\% | 22.9\% | -1.3\% |
| E06000051 | Shropshire | 509 | 27.2\% | 22.7\% | -4.5\% |
| E06000039 | Slough | 477 | 33.0\% | 35.9\% | 2.9\% |
| E08000029 | Solihull | 475 | 29.0\% | 27.2\% | -1.8\% |
| E07000006 | South Bucks | 480 | 22.1\% | 21.6\% | -0.5\% |
| E07000012 | South Cambridgeshire | 480 | 19.0\% | 23.0\% | 4.1\% |
| E07000039 | South Derbyshire | 497 | 26.0\% | 25.4\% | -0.6\% |
| E06000025 | South Gloucestershire | 497 | 21.7\% | 23.5\% | 1.8\% |
| E07000044 | South Hams | 504 | 21.0\% | 19.8\% | -1.2\% |
| E07000140 | South Holland | 485 | 32.9\% | 36.0\% | 3.1\% |
| E07000141 | South Kesteven | 500 | 24.5\% | 22.9\% | -1.6\% |
| E07000031 | South Lakeland | 486 | 24.0\% | 21.3\% | -2.7\% |
| E07000149 | South Norfolk | 478 | 23.2\% | 23.9\% | 0.7\% |
| E07000155 | South Northamptonshire | 475 | 22.5\% | 26.4\% | 3.8\% |
| E07000179 | South Oxfordshire | 497 | 19.1\% | 15.1\% | -4.1\% |
| E07000126 | South Ribble | 499 | 23.7\% | 26.0\% | 2.3\% |
| E07000189 | South Somerset | 481 | 23.5\% | 25.0\% | 1.5\% |
| E07000196 | South Staffordshire | 519 | 26.6\% | 26.0\% | -0.5\% |
| E08000023 | South Tyneside | 463 | 31.1\% | 29.2\% | -1.9\% |
| E06000045 | Southampton | 485 | 23.5\% | 24.4\% | 0.9\% |
| E06000033 | Southend-on-Sea | 500 | 26.4\% | 28.8\% | 2.4\% |
| E09000028 | Southwark | 510 | 19.3\% | 16.7\% | -2.7\% |
| E07000213 | Spelthorne | 471 | 24.9\% | 21.8\% | -3.0\% |
| E07000240 | St Albans | 489 | 16.8\% | 16.4\% | -0.4\% |
| E07000204 | St Edmundsbury | 461 | 26.1\% | 25.0\% | -1.1\% |
| E08000013 | St. Helens | 479 | 26.7\% | 28.3\% | 1.7\% |
| E07000197 | Stafford | 509 | 24.8\% | 28.1\% | 3.3\% |


| E07000198 | Staffordshire Moorlands | 482 | 28.4\% | 33.2\% | 4.7\% |
| :---: | :---: | :---: | :---: | :---: | :---: |
| E07000243 | Stevenage | 469 | 25.6\% | 28.1\% | 2.6\% |
| E08000007 | Stockport | 953 | 24.1\% | 24.2\% | 0.1\% |
| E06000004 | Stockton-on-Tees | 494 | 27.8\% | 29.1\% | 1.3\% |
| E06000021 | Stoke-on-Trent | 511 | 32.9\% | 30.7\% | -2.2\% |
| E07000221 | Stratford-on-Avon | 534 | 23.5\% | 21.9\% | -1.7\% |
| E07000082 | Stroud | 511 | 19.6\% | 19.1\% | -0.4\% |
| E07000205 | Suffolk Coastal | 482 | 24.1\% | 25.0\% | 0.9\% |
| E08000024 | Sunderland | 459 | 31.6\% | 28.6\% | -3.0\% |
| E07000214 | Surrey Heath | 495 | 21.6\% | 22.6\% | 1.1\% |
| E09000029 | Sutton | 493 | 26.3\% | 28.7\% | 2.4\% |
| E07000113 | Swale | 494 | 28.1\% | 28.1\% | 0.0\% |
| E06000030 | Swindon | 524 | 23.5\% | 21.9\% | -1.7\% |
| E08000008 | Tameside | 969 | 30.5\% | 28.4\% | -2.1\% |
| E07000199 | Tamworth | 477 | 29.2\% | 31.3\% | 2.1\% |
| E07000215 | Tandridge | 470 | 22.2\% | 17.5\% | -4.7\% |
| E07000190 | Taunton Deane | 481 | 22.7\% | 27.8\% | 5.0\% |
| E07000045 | Teignbridge | 499 | 22.2\% | 24.0\% | 1.8\% |
| E06000020 | Telford and Wrekin | 480 | 26.9\% | 26.8\% | -0.1\% |
| E07000076 | Tendring | 490 | 33.0\% | 29.0\% | -4.0\% |
| E07000093 | Test Valley | 492 | 22.0\% | 21.6\% | -0.4\% |
| E07000083 | Tewkesbury | 499 | 21.9\% | 25.1\% | 3.2\% |
| E07000114 | Thanet | 503 | 25.7\% | 29.7\% | 4.0\% |
| E07000102 | Three Rivers | 475 | 23.7\% | 20.9\% | -2.7\% |
| E06000034 | Thurrock | 499 | 30.7\% | 29.4\% | -1.4\% |
| E07000115 | Tonbridge and Malling | 501 | 21.7\% | 18.5\% | -3.2\% |
| E06000027 | Torbay | 477 | 23.3\% | 23.6\% | 0.3\% |
| E07000046 | Torridge | 484 | 23.0\% | 23.9\% | 0.9\% |
| E09000030 | Tower Hamlets | 516 | 23.7\% | 22.5\% | -1.3\% |
| E08000009 | Trafford | 979 | 21.5\% | 22.0\% | 0.5\% |
| E07000116 | Tunbridge Wells | 482 | 19.8\% | 17.6\% | -2.2\% |
| E07000077 | Uttlesford | 493 | 22.3\% | 21.4\% | -0.9\% |
| E07000180 | Vale of White Horse | 514 | 19.7\% | 15.4\% | -4.3\% |
| E08000036 | Wakefield | 475 | 29.7\% | 29.7\% | 0.0\% |
| E08000030 | Walsall | 478 | 33.4\% | 29.3\% | -4.1\% |
| E09000031 | Waltham Forest | 474 | 26.9\% | 27.3\% | 0.4\% |
| E09000032 | Wandsworth | 501 | 16.4\% | 16.0\% | -0.4\% |
| E06000007 | Warrington | 500 | 23.0\% | 27.7\% | 4.7\% |
| E07000222 | Warwick | 475 | 21.0\% | 20.8\% | -0.2\% |
| E07000103 | Watford | 482 | 25.5\% | 28.1\% | 2.6\% |
| E07000206 | Waveney | 476 | 30.4\% | 29.2\% | -1.2\% |
| E07000216 | Waverley | 507 | 18.6\% | 14.0\% | -4.5\% |
| E07000065 | Wealden | 482 | 23.8\% | 21.7\% | -2.1\% |
| E07000156 | Wellingborough | 491 | 28.2\% | 31.4\% | 3.2\% |
| E07000241 | Welwyn Hatfield | 485 | 21.9\% | 22.6\% | 0.7\% |
| E06000037 | West Berkshire | 480 | 22.7\% | 21.1\% | -1.6\% |
| E07000047 | West Devon | 495 | 21.2\% | 20.4\% | -0.8\% |
| E07000052 | West Dorset | 475 | 23.9\% | 23.9\% | 0.0\% |
| E07000127 | West Lancashire | 472 | 25.0\% | 24.0\% | -1.0\% |
| E07000142 | West Lindsey | 496 | 25.0\% | 28.6\% | 3.6\% |
| E07000181 | West Oxfordshire | 478 | 21.1\% | 23.5\% | 2.4\% |
| E07000191 | West Somerset | 471 | 25.2\% | 23.9\% | -1.3\% |
| E09000033 | Westminster | 502 | 21.1\% | 20.7\% | -0.4\% |
| E07000053 | Weymouth and Portland | 495 | 22.4\% | 23.6\% | 1.2\% |


| E08000010 | Wigan | 983 | $28.5 \%$ | $28.0 \%$ | $-0.5 \%$ |
| :--- | :--- | :--- | :--- | :--- | :--- |
| E06000054 | Wiltshire | 470 | $21.4 \%$ | $20.1 \%$ | $-1.2 \%$ |
| E07000094 | Winchester | 525 | $17.5 \%$ | $17.5 \%$ | $-0.1 \%$ |
| E06000040 | Windsor and Maidenhead | 490 | $19.5 \%$ | $18.5 \%$ | $-1.0 \%$ |
| E08000015 | Wirral | 480 | $24.7 \%$ | $30.7 \%$ | $6.1 \%$ |
| E07000217 | Woking | 503 | $20.4 \%$ | $20.3 \%$ | $-0.1 \%$ |
| E06000041 | Wokingham | 491 | $19.6 \%$ | $16.4 \%$ | $-3.2 \%$ |
| E08000031 | Wolverhampton | 471 | $33.3 \%$ | $36.7 \%$ | $3.5 \%$ |
| E07000237 | Worcester | 508 | $25.6 \%$ | $24.4 \%$ | $-1.1 \%$ |
| E07000229 | Worthing | 502 | $23.7 \%$ | $25.2 \%$ | $1.5 \%$ |
| E07000238 | Wychavon | 480 | $25.5 \%$ | $25.9 \%$ | $0.4 \%$ |
| E07000007 | Wycombe | 481 | $21.6 \%$ | $21.9 \%$ | $0.3 \%$ |
| E07000128 | Wyre | 522 | $27.3 \%$ | $28.3 \%$ | $0.9 \%$ |
| E07000239 | Wyre Forest | 508 | $29.6 \%$ | $25.6 \%$ | $-4.0 \%$ |
| E06000014 | York | 484 | $19.9 \%$ | $14.2 \%$ | $-5.6 \%$ |

Table A2. Predicted and actual activity rates by LA

| LA code | LA name | Number of <br> respondents | Predicted <br> rate of <br> activity | Actual rate <br> of activity | Difference in <br> rate of <br> activity |
| :--- | :--- | ---: | ---: | ---: | ---: |
| E07000223 | Adur | 511 | $60.6 \%$ | $61.1 \%$ | $0.5 \%$ |
| E07000026 | Allerdale | 475 | $61.5 \%$ | $63.2 \%$ | $1.7 \%$ |
| E07000032 | Amber Valley | 492 | $62.3 \%$ | $66.2 \%$ | $3.8 \%$ |
| E07000224 | Arun | 469 | $60.2 \%$ | $59.8 \%$ | $-0.4 \%$ |
| E07000170 | Ashfield | 503 | $56.3 \%$ | $57.7 \%$ | $1.4 \%$ |
| E07000105 | Ashford | 489 | $61.6 \%$ | $59.0 \%$ | $-2.6 \%$ |
| E07000004 | Aylesbury Vale | 470 | $67.8 \%$ | $65.6 \%$ | $-2.2 \%$ |
| E07000200 | Babergh | 458 | $61.3 \%$ | $60.9 \%$ | $-0.4 \%$ |
| E09000002 | Barking and Dagenham | 455 | $53.9 \%$ | $54.0 \%$ | $0.0 \%$ |
| E09000003 | Barnet | 483 | $63.9 \%$ | $64.7 \%$ | $0.8 \%$ |
| E08000016 | Barnsley | 482 | $55.6 \%$ | $54.9 \%$ | $-0.7 \%$ |
| E07000027 | Barrow-in-Furness | 484 | $59.6 \%$ | $56.2 \%$ | $-3.4 \%$ |
| E07000066 | Basildon | 481 | $59.2 \%$ | $57.9 \%$ | $-1.3 \%$ |
| E07000084 | Basingstoke and Deane | 502 | $67.3 \%$ | $69.5 \%$ | $2.2 \%$ |
| E07000171 | Bassetlaw | 518 | $57.3 \%$ | $60.4 \%$ | $3.1 \%$ |
|  | Bath and North East |  |  |  |  |
| E06000022 | Somerset | 509 | $71.0 \%$ | $73.6 \%$ | $2.7 \%$ |
| E06000055 | Bedford | 485 | $61.7 \%$ | $59.6 \%$ | $-2.1 \%$ |
| E09000004 | Bexley | 481 | $59.4 \%$ | $69.1 \%$ | $9.7 \%$ |
| E08000025 | Birmingham | 1939 | $56.7 \%$ | $58.1 \%$ | $1.3 \%$ |
| E07000129 | Blaby | 496 | $60.1 \%$ | $60.9 \%$ | $0.9 \%$ |
| E06000008 | Blackburn with Darwen | 497 | $57.1 \%$ | $54.5 \%$ | $-2.5 \%$ |
| E06000009 | Blackpool | 474 | $54.6 \%$ | $51.5 \%$ | $-3.1 \%$ |
| E07000033 | Bolsover | 496 | $55.0 \%$ | $55.0 \%$ | $0.0 \%$ |
| E08000001 | Bolton | 967 | $57.3 \%$ | $58.6 \%$ | $1.4 \%$ |
| E07000136 | Boston | 495 | $54.1 \%$ | $48.9 \%$ | $-5.2 \%$ |
| E06000028 | Bournemouth | 491 | $68.1 \%$ | $71.1 \%$ | $3.0 \%$ |
| E06000036 | Bracknell Forest | 505 | $66.5 \%$ | $68.8 \%$ | $2.3 \%$ |
| E08000032 | Bradford | 967 | $58.9 \%$ | $61.1 \%$ | $2.2 \%$ |
| E07000067 | Braintree | 493 | $61.3 \%$ | $62.6 \%$ | $1.3 \%$ |
| E07000143 | Breckland | 495 | $56.4 \%$ | $57.2 \%$ | $0.8 \%$ |
| E09000005 | Brent | 497 | $55.0 \%$ | $58.8 \%$ | $3.9 \%$ |


| E07000068 | Brentwood | 481 | 64.7\% | 63.6\% | -1.1\% |
| :---: | :---: | :---: | :---: | :---: | :---: |
| E06000043 | Brighton and Hove | 496 | 70.8\% | 74.6\% | 3.8\% |
| E06000023 | Bristol, City of | 1963 | 71.1\% | 70.3\% | -0.8\% |
| E07000144 | Broadland | 482 | 59.8\% | 59.7\% | -0.1\% |
| E09000006 | Bromley | 476 | 65.2\% | 64.0\% | -1.2\% |
| E07000234 | Bromsgrove | 513 | 64.1\% | 62.6\% | -1.5\% |
| E07000095 | Broxbourne | 500 | 57.4\% | 56.7\% | -0.7\% |
| E07000172 | Broxtowe | 498 | 66.8\% | 71.4\% | 4.7\% |
| E07000117 | Burnley | 544 | 57.9\% | 58.6\% | 0.7\% |
| E08000002 | Bury | 1002 | 60.8\% | 58.0\% | -2.8\% |
| E08000033 | Calderdale | 499 | 62.9\% | 66.3\% | 3.4\% |
| E07000008 | Cambridge | 740 | 73.5\% | 79.5\% | 6.0\% |
| E09000007 | Camden | 504 | 69.8\% | 70.9\% | 1.1\% |
| E07000192 | Cannock Chase | 478 | 57.1\% | 58.9\% | 1.8\% |
| E07000106 | Canterbury | 495 | 68.7\% | 67.8\% | -0.9\% |
| E07000028 | Carlisle | 486 | 61.2\% | 61.6\% | 0.4\% |
| E07000069 | Castle Point | 492 | 56.0\% | 64.4\% | 8.4\% |
| E06000056 | Central Bedfordshire | 492 | 63.9\% | 60.0\% | -3.9\% |
| E07000130 | Charnwood | 477 | 60.4\% | 60.2\% | -0.2\% |
| E07000070 | Chelmsford | 472 | 65.0\% | 59.0\% | -6.0\% |
| E07000078 | Cheltenham | 483 | 69.2\% | 68.4\% | -0.8\% |
| E07000177 | Cherwell | 469 | 64.7\% | 59.0\% | -5.7\% |
| E06000049 | Cheshire East | 514 | 62.7\% | 70.6\% | 8.0\% |
| E06000050 | Cheshire West and Chester | 465 | 63.4\% | 62.6\% | -0.8\% |
| E07000034 | Chesterfield | 502 | 61.2\% | 64.0\% | 2.8\% |
| E07000225 | Chichester | 496 | 66.4\% | 68.6\% | 2.2\% |
| E07000005 | Chiltern | 473 | 70.3\% | 70.8\% | 0.5\% |
| E07000118 | Chorley | 494 | 65.9\% | 68.8\% | 2.9\% |
| E07000048 | Christchurch | 489 | 63.8\% | 65.9\% | 2.0\% |
| E09000001 | City of London | 230 | 74.1\% | 73.0\% | -1.1\% |
| E07000071 | Colchester | 491 | 63.8\% | 64.7\% | 0.9\% |
| E07000029 | Copeland | 480 | 60.5\% | 60.5\% | 0.0\% |
| E07000150 | Corby | 481 | 54.8\% | 54.4\% | -0.4\% |
| E06000052 | Cornwall | 499 | 66.1\% | 66.7\% | 0.6\% |
| E07000079 | Cotswold | 505 | 67.5\% | 67.8\% | 0.3\% |
| E06000047 | County Durham | 469 | 59.2\% | 59.1\% | -0.1\% |
| E08000026 | Coventry | 513 | 58.2\% | 58.3\% | 0.2\% |
| E07000163 | Craven | 483 | 65.5\% | 69.4\% | 3.9\% |
| E07000226 | Crawley | 501 | 60.2\% | 63.1\% | 2.9\% |
| E09000008 | Croydon | 486 | 63.4\% | 63.6\% | 0.2\% |
| E07000096 | Dacorum | 494 | 65.3\% | 65.0\% | -0.3\% |
| E06000005 | Darlington | 477 | 58.3\% | 59.9\% | 1.6\% |
| E07000107 | Dartford | 495 | 60.7\% | 66.9\% | 6.2\% |
| E07000151 | Daventry | 491 | 64.0\% | 63.8\% | -0.2\% |
| E06000015 | Derby | 487 | 60.9\% | 59.1\% | -1.8\% |
| E07000035 | Derbyshire Dales | 511 | 64.4\% | 68.8\% | 4.5\% |
| E08000017 | Doncaster | 498 | 56.6\% | 53.4\% | -3.2\% |
| E07000108 | Dover | 478 | 62.4\% | 64.2\% | 1.8\% |
| E08000027 | Dudley | 480 | 57.4\% | 54.6\% | -2.8\% |
| E09000009 | Ealing | 483 | 60.4\% | 66.2\% | 5.9\% |
| E07000009 | East Cambridgeshire | 480 | 63.3\% | 63.2\% | -0.1\% |
| E07000040 | East Devon | 488 | 68.7\% | 72.5\% | 3.8\% |
| E07000049 | East Dorset | 464 | 64.2\% | 61.6\% | -2.6\% |
| E07000085 | East Hampshire | 499 | 65.2\% | 66.2\% | 1.1\% |


| E07000242 | East Hertfordshire | 465 | 67.0\% | 65.5\% | -1.5\% |
| :---: | :---: | :---: | :---: | :---: | :---: |
| E07000137 | East Lindsey | 473 | 55.2\% | 49.4\% | -5.7\% |
| E07000152 | East Northamptonshire | 507 | 61.4\% | 58.8\% | -2.6\% |
| E06000011 | East Riding of Yorkshire | 491 | 61.7\% | 57.8\% | -3.9\% |
| E07000193 | East Staffordshire | 474 | 61.2\% | 64.2\% | 3.0\% |
| E07000061 | Eastbourne | 515 | 61.5\% | 59.2\% | -2.2\% |
| E07000086 | Eastleigh | 477 | 63.2\% | 62.7\% | -0.6\% |
| E07000030 | Eden | 507 | 65.4\% | 63.8\% | -1.5\% |
| E07000207 | Elmbridge | 485 | 70.3\% | 68.1\% | -2.2\% |
| E09000010 | Enfield | 476 | 57.5\% | 61.1\% | 3.5\% |
| E07000072 | Epping Forest | 502 | 61.1\% | 64.1\% | 3.0\% |
| E07000208 | Epsom and Ewell | 502 | 67.4\% | 67.5\% | 0.2\% |
| E07000036 | Erewash | 505 | 59.8\% | 62.3\% | 2.5\% |
| E07000041 | Exeter | 492 | 72.2\% | 78.0\% | 5.7\% |
| E07000087 | Fareham | 463 | 65.7\% | 69.9\% | 4.2\% |
| E07000010 | Fenland | 491 | 54.5\% | 51.3\% | -3.2\% |
| E07000201 | Forest Heath | 481 | 57.2\% | 59.5\% | 2.3\% |
| E07000080 | Forest of Dean | 497 | 63.3\% | 69.8\% | 6.5\% |
| E07000119 | Fylde | 530 | 63.7\% | 62.9\% | -0.8\% |
| E08000037 | Gateshead | 465 | 59.3\% | 61.9\% | 2.6\% |
| E07000173 | Gedling | 498 | 64.0\% | 63.5\% | -0.5\% |
| E07000081 | Gloucester | 479 | 66.4\% | 61.6\% | -4.8\% |
| E07000088 | Gosport | 485 | 62.9\% | 64.2\% | 1.2\% |
| E07000109 | Gravesham | 487 | 58.3\% | 55.8\% | -2.5\% |
| E07000145 | Great Yarmouth | 499 | 56.8\% | 59.5\% | 2.6\% |
| E09000011 | Greenwich | 474 | 63.0\% | 65.3\% | 2.3\% |
| E07000209 | Guildford | 467 | 70.7\% | 71.7\% | 0.9\% |
| E09000012 | Hackney | 530 | 69.1\% | 69.8\% | 0.7\% |
| E06000006 | Halton | 484 | 58.1\% | 57.8\% | -0.4\% |
| E07000164 | Hambleton | 481 | 65.0\% | 62.4\% | -2.7\% |
| E09000013 | Hammersmith and Fulham | 479 | 69.4\% | 66.5\% | -2.9\% |
| E07000131 | Harborough | 483 | 66.7\% | 65.6\% | -1.2\% |
| E09000014 | Haringey | 486 | 67.9\% | 65.6\% | -2.3\% |
| E07000073 | Harlow | 503 | 58.2\% | 57.9\% | -0.3\% |
| E07000165 | Harrogate | 495 | 64.0\% | 62.5\% | -1.5\% |
| E09000015 | Harrow | 498 | 58.7\% | 57.7\% | -1.0\% |
| E07000089 | Hart | 500 | 67.3\% | 65.6\% | -1.7\% |
| E06000001 | Hartlepool | 467 | 57.5\% | 56.1\% | -1.3\% |
| E07000062 | Hastings | 485 | 59.7\% | 61.1\% | 1.4\% |
| E07000090 | Havant | 476 | 57.9\% | 63.3\% | 5.4\% |
| E09000016 | Havering | 501 | 58.9\% | 61.4\% | 2.5\% |
| E06000019 | Herefordshire, County of | 484 | 60.6\% | 60.0\% | -0.7\% |
| E07000098 | Hertsmere | 502 | 63.5\% | 60.3\% | -3.2\% |
| E07000037 | High Peak | 488 | 64.6\% | 67.3\% | 2.7\% |
| E09000017 | Hillingdon | 486 | 59.6\% | 56.4\% | -3.2\% |
| E07000132 | Hinckley and Bosworth | 484 | 60.7\% | 60.1\% | -0.6\% |
| E07000227 | Horsham | 469 | 65.9\% | 63.5\% | -2.4\% |
| E09000018 | Hounslow | 484 | 59.4\% | 60.3\% | 0.9\% |
| E07000011 | Huntingdonshire | 468 | 62.9\% | 62.8\% | -0.1\% |
| E07000120 | Hyndburn | 477 | 56.1\% | 59.2\% | 3.1\% |
| E07000202 | Ipswich | 490 | 59.7\% | 61.5\% | 1.9\% |
| E06000046 | Isle of Wight | 450 | 60.2\% | 68.1\% | 7.9\% |
| E06000053 | Isles of Scilly | 234 | 71.0\% | 72.9\% | 1.9\% |
| E09000019 | Islington | 473 | 71.9\% | 75.5\% | 3.6\% |


| E09000020 | Kensington and Chelsea | 509 | 67.8\% | 72.2\% | 4.5\% |
| :---: | :---: | :---: | :---: | :---: | :---: |
| E07000153 | Kettering | 480 | 59.9\% | 59.6\% | -0.4\% |
|  | King's Lynn and West |  |  |  |  |
| E07000146 | Norfolk | 495 | 56.0\% | 49.7\% | -6.4\% |
| E06000010 | Kingston upon Hull, City of | 478 | 58.6\% | 56.3\% | -2.3\% |
| E09000021 | Kingston upon Thames | 472 | 67.1\% | 67.6\% | 0.6\% |
| E08000034 | Kirklees | 472 | 56.6\% | 51.8\% | -4.8\% |
| E08000011 | Knowsley | 484 | 57.7\% | 60.9\% | 3.1\% |
| E09000022 | Lambeth | 489 | 70.0\% | 71.4\% | 1.4\% |
| E07000121 | Lancaster | 493 | 67.2\% | 66.3\% | -1.0\% |
| E08000035 | Leeds | 1928 | 64.7\% | 66.4\% | 1.7\% |
| E06000016 | Leicester | 454 | 56.7\% | 62.7\% | 6.0\% |
| E07000063 | Lewes | 509 | 63.6\% | 63.6\% | 0.0\% |
| E09000023 | Lewisham | 473 | 66.6\% | 68.3\% | 1.7\% |
| E07000194 | Lichfield | 507 | 61.7\% | 58.1\% | -3.6\% |
| E07000138 | Lincoln | 496 | 66.2\% | 67.3\% | 1.1\% |
| E08000012 | Liverpool | 2000 | 64.2\% | 64.2\% | 0.1\% |
| E06000032 | Luton | 459 | 56.4\% | 52.5\% | -3.9\% |
| E07000110 | Maidstone | 501 | 62.5\% | 65.5\% | 3.0\% |
| E07000074 | Maldon | 472 | 61.1\% | 65.2\% | 4.1\% |
| E07000235 | Malvern Hills | 496 | 62.2\% | 60.9\% | -1.3\% |
| E08000003 | Manchester | 1996 | 63.9\% | 66.1\% | 2.2\% |
| E07000174 | Mansfield | 473 | 57.5\% | 64.5\% | 7.1\% |
| E06000035 | Medway | 481 | 61.7\% | 60.2\% | -1.5\% |
| E07000133 | Melton | 496 | 61.8\% | 65.2\% | 3.4\% |
| E07000187 | Mendip | 504 | 64.6\% | 64.5\% | -0.1\% |
| E09000024 | Merton | 482 | 65.8\% | 68.2\% | 2.4\% |
| E07000042 | Mid Devon | 521 | 65.3\% | 66.6\% | 1.2\% |
| E07000203 | Mid Suffolk | 491 | 62.1\% | 59.9\% | -2.2\% |
| E07000228 | Mid Sussex | 491 | 69.0\% | 68.8\% | -0.2\% |
| E06000002 | Middlesbrough | 468 | 55.9\% | 54.5\% | -1.4\% |
| E06000042 | Milton Keynes | 471 | 64.1\% | 66.5\% | 2.4\% |
| E07000210 | Mole Valley | 478 | 66.0\% | 62.4\% | -3.6\% |
| E07000091 | New Forest | 481 | 63.5\% | 65.1\% | 1.6\% |
| E07000175 | Newark and Sherwood | 519 | 59.9\% | 62.2\% | 2.3\% |
| E08000021 | Newcastle upon Tyne | 1924 | 63.8\% | 64.5\% | 0.6\% |
| E07000195 | Newcastle-under-Lyme | 483 | 61.0\% | 61.6\% | 0.6\% |
| E09000025 | Newham | 481 | 57.4\% | 53.1\% | -4.3\% |
| E07000043 | North Devon | 500 | 67.1\% | 62.7\% | -4.4\% |
| E07000050 | North Dorset | 479 | 65.6\% | 62.0\% | -3.6\% |
| E07000038 | North East Derbyshire | 503 | 60.3\% | 61.4\% | 1.1\% |
| E06000012 | North East Lincolnshire | 504 | 56.0\% | 52.2\% | -3.8\% |
| E07000099 | North Hertfordshire | 479 | 64.4\% | 61.1\% | -3.3\% |
| E07000139 | North Kesteven | 501 | 61.6\% | 59.0\% | -2.7\% |
| E06000013 | North Lincolnshire | 493 | 57.6\% | 57.1\% | -0.5\% |
| E07000147 | North Norfolk | 497 | 59.0\% | 64.8\% | 5.8\% |
| E06000024 | North Somerset | 509 | 67.1\% | 66.6\% | -0.5\% |
| E08000022 | North Tyneside | 478 | 58.8\% | 58.5\% | -0.3\% |
| E07000218 | North Warwickshire | 489 | 56.6\% | 55.8\% | -0.8\% |
| E07000134 | North West Leicestershire | 480 | 61.2\% | 56.1\% | -5.1\% |
| E07000154 | Northampton | 499 | 59.6\% | 58.4\% | -1.2\% |
| E06000057 | Northumberland | 469 | 61.6\% | 61.9\% | 0.4\% |
| E07000148 | Norwich | 728 | 66.4\% | 65.5\% | -0.9\% |
| E06000018 | Nottingham | 1927 | 64.2\% | 65.7\% | 1.5\% |
| E07000219 | Nuneaton and Bedworth | 493 | 56.2\% | 53.4\% | -2.8\% |


| E07000135 | Oadby and Wigston | 490 | 59.6\% | 59.7\% | 0.2\% |
| :---: | :---: | :---: | :---: | :---: | :---: |
| E08000004 | Oldham | 997 | 56.5\% | 55.9\% | -0.6\% |
| E07000178 | Oxford | 734 | 73.3\% | 74.3\% | 0.9\% |
| E07000122 | Pendle | 492 | 57.5\% | 55.4\% | -2.2\% |
| E06000031 | Peterborough | 490 | 56.1\% | 60.8\% | 4.7\% |
| E06000026 | Plymouth | 501 | 63.9\% | 66.0\% | 2.1\% |
| E06000029 | Poole | 497 | 65.7\% | 67.7\% | 2.0\% |
| E06000044 | Portsmouth | 494 | 65.0\% | 66.3\% | 1.3\% |
| E07000123 | Preston | 486 | 62.1\% | 61.4\% | -0.7\% |
| E07000051 | Purbeck | 499 | 64.1\% | 65.4\% | 1.3\% |
| E06000038 | Reading | 486 | 66.6\% | 66.0\% | -0.6\% |
| E09000026 | Redbridge | 460 | 55.8\% | 58.6\% | 2.8\% |
| E06000003 | Redcar and Cleveland | 481 | 57.3\% | 60.7\% | 3.5\% |
| E07000236 | Redditch | 510 | 57.2\% | 60.3\% | 3.2\% |
| E07000211 | Reigate and Banstead | 464 | 68.1\% | 71.6\% | 3.5\% |
| E07000124 | Ribble Valley | 483 | 63.2\% | 62.7\% | -0.6\% |
| E09000027 | Richmond upon Thames | 491 | 72.6\% | 73.8\% | 1.2\% |
| E07000166 | Richmondshire | 464 | 64.6\% | 72.8\% | 8.2\% |
| E08000005 | Rochdale | 938 | 55.2\% | 56.4\% | 1.2\% |
| E07000075 | Rochford | 491 | 62.4\% | 66.0\% | 3.6\% |
| E07000125 | Rossendale | 490 | 62.1\% | 60.8\% | -1.3\% |
| E07000064 | Rother | 486 | 62.1\% | 59.1\% | -3.1\% |
| E08000018 | Rotherham | 483 | 58.3\% | 52.7\% | -5.6\% |
| E07000220 | Rugby | 490 | 62.7\% | 58.9\% | -3.8\% |
| E07000212 | Runnymede | 504 | 65.8\% | 67.6\% | 1.8\% |
| E07000176 | Rushcliffe | 503 | 69.8\% | 70.3\% | 0.5\% |
| E07000092 | Rushmoor | 518 | 63.5\% | 61.0\% | -2.5\% |
| E06000017 | Rutland | 485 | 62.0\% | 60.7\% | -1.2\% |
| E07000167 | Ryedale | 499 | 63.7\% | 61.5\% | -2.2\% |
| E08000006 | Salford | 990 | 59.4\% | 59.5\% | 0.1\% |
| E08000028 | Sandwell | 473 | 51.5\% | 55.2\% | 3.8\% |
| E07000168 | Scarborough | 495 | 62.7\% | 66.9\% | 4.2\% |
| E07000188 | Sedgemoor | 505 | 62.7\% | 57.7\% | -5.0\% |
| E08000014 | Sefton | 511 | 61.2\% | 60.9\% | -0.4\% |
| E07000169 | Selby | 496 | 61.7\% | 63.6\% | 1.9\% |
| E07000111 | Sevenoaks | 482 | 66.1\% | 66.9\% | 0.8\% |
| E08000019 | Sheffield | 1973 | 65.3\% | 65.7\% | 0.5\% |
| E07000112 | Shepway | 514 | 63.3\% | 66.6\% | 3.3\% |
| E06000051 | Shropshire | 509 | 60.2\% | 62.8\% | 2.6\% |
| E06000039 | Slough | 477 | 53.6\% | 54.5\% | 0.9\% |
| E08000029 | Solihull | 475 | 58.6\% | 63.9\% | 5.3\% |
| E07000006 | South Bucks | 480 | 65.5\% | 66.2\% | 0.8\% |
| E07000012 | South Cambridgeshire | 480 | 69.0\% | 65.0\% | -4.0\% |
| E07000039 | South Derbyshire | 497 | 61.2\% | 61.9\% | 0.7\% |
| E06000025 | South Gloucestershire | 497 | 65.4\% | 64.3\% | -1.0\% |
| E07000044 | South Hams | 504 | 67.2\% | 67.6\% | 0.4\% |
| E07000140 | South Holland | 485 | 53.6\% | 51.7\% | -1.9\% |
| E07000141 | South Kesteven | 500 | 62.8\% | 66.3\% | 3.5\% |
| E07000031 | South Lakeland | 486 | 64.1\% | 67.2\% | 3.1\% |
| E07000149 | South Norfolk | 478 | 63.3\% | 63.1\% | -0.2\% |
| E07000155 | South Northamptonshire | 475 | 64.7\% | 62.7\% | -2.0\% |
| E07000179 | South Oxfordshire | 497 | 69.0\% | 73.6\% | 4.7\% |
| E07000126 | South Ribble | 499 | 63.5\% | 61.4\% | -2.1\% |
| E07000189 | South Somerset | 481 | 64.1\% | 60.1\% | -3.9\% |


| E07000196 | South Staffordshire | 519 | 60.5\% | 62.9\% | 2.4\% |
| :---: | :---: | :---: | :---: | :---: | :---: |
| E08000023 | South Tyneside | 463 | 56.7\% | 56.1\% | -0.5\% |
| E06000045 | Southampton | 485 | 64.3\% | 65.6\% | 1.3\% |
| E06000033 | Southend-on-Sea | 500 | 61.0\% | 58.5\% | -2.5\% |
| E09000028 | Southwark | 510 | 69.6\% | 71.9\% | 2.3\% |
| E07000213 | Spelthorne | 471 | 62.3\% | 65.4\% | 3.1\% |
| E07000240 | St Albans | 489 | 71.8\% | 70.7\% | -1.1\% |
| E07000204 | St Edmundsbury | 461 | 60.7\% | 62.2\% | 1.5\% |
| E08000013 | St. Helens | 479 | 60.2\% | 58.2\% | -2.0\% |
| E07000197 | Stafford | 509 | 62.7\% | 59.3\% | -3.4\% |
| E07000198 | Staffordshire Moorlands | 482 | 58.9\% | 57.1\% | -1.7\% |
| E07000243 | Stevenage | 469 | 61.0\% | 58.3\% | -2.8\% |
| E08000007 | Stockport | 953 | 63.4\% | 65.4\% | 1.9\% |
| E06000004 | Stockton-on-Tees | 494 | 60.6\% | 60.0\% | -0.6\% |
| E06000021 | Stoke-on-Trent | 511 | 55.0\% | 54.8\% | -0.2\% |
| E07000221 | Stratford-on-Avon | 534 | 65.1\% | 65.5\% | 0.5\% |
| E07000082 | Stroud | 511 | 68.2\% | 68.3\% | 0.1\% |
| E07000205 | Suffolk Coastal | 482 | 62.5\% | 62.9\% | 0.3\% |
| E08000024 | Sunderland | 459 | 56.7\% | 57.0\% | 0.2\% |
| E07000214 | Surrey Heath | 495 | 65.5\% | 64.2\% | -1.2\% |
| E09000029 | Sutton | 493 | 61.0\% | 54.8\% | -6.2\% |
| E07000113 | Swale | 494 | 58.8\% | 57.6\% | -1.2\% |
| E06000030 | Swindon | 524 | 64.5\% | 69.1\% | 4.6\% |
| E08000008 | Tameside | 969 | 55.9\% | 59.1\% | 3.2\% |
| E07000199 | Tamworth | 477 | 57.4\% | 58.6\% | 1.2\% |
| E07000215 | Tandridge | 470 | 65.6\% | 68.8\% | 3.2\% |
| E07000190 | Taunton Deane | 481 | 65.3\% | 60.2\% | -5.1\% |
| E07000045 | Teignbridge | 499 | 66.1\% | 62.1\% | -4.1\% |
| E06000020 | Telford and Wrekin | 480 | 60.9\% | 65.5\% | 4.6\% |
| E07000076 | Tendring | 490 | 53.5\% | 56.4\% | 2.9\% |
| E07000093 | Test Valley | 492 | 65.0\% | 64.5\% | -0.5\% |
| E07000083 | Tewkesbury | 499 | 65.6\% | 63.8\% | -1.8\% |
| E07000114 | Thanet | 503 | 61.3\% | 55.5\% | -5.8\% |
| E07000102 | Three Rivers | 475 | 63.3\% | 63.6\% | 0.3\% |
| E06000034 | Thurrock | 499 | 55.2\% | 57.7\% | 2.5\% |
| E07000115 | Tonbridge and Malling | 501 | 65.6\% | 69.3\% | 3.7\% |
| E06000027 | Torbay | 477 | 65.4\% | 65.6\% | 0.2\% |
| E07000046 | Torridge | 484 | 65.0\% | 68.0\% | 3.0\% |
| E09000030 | Tower Hamlets | 516 | 65.1\% | 66.1\% | 1.0\% |
| E08000009 | Trafford | 979 | 66.5\% | 64.6\% | -1.9\% |
| E07000116 | Tunbridge Wells | 482 | 67.9\% | 68.6\% | 0.6\% |
| E07000077 | Uttlesford | 493 | 64.0\% | 66.9\% | 3.0\% |
| E07000180 | Vale of White Horse | 514 | 68.1\% | 67.5\% | -0.6\% |
| E08000036 | Wakefield | 475 | 56.9\% | 59.1\% | 2.2\% |
| E08000030 | Walsall | 478 | 52.9\% | 59.1\% | 6.2\% |
| E09000031 | Waltham Forest | 474 | 61.1\% | 61.7\% | 0.6\% |
| E09000032 | Wandsworth | 501 | 72.8\% | 74.4\% | 1.6\% |
| E06000007 | Warrington | 500 | 63.7\% | 57.1\% | -6.6\% |
| E07000222 | Warwick | 475 | 67.1\% | 68.0\% | 0.9\% |
| E07000103 | Watford | 482 | 61.9\% | 56.8\% | -5.1\% |
| E07000206 | Waveney | 476 | 56.8\% | 58.3\% | 1.5\% |
| E07000216 | Waverley | 507 | 69.3\% | 75.0\% | 5.7\% |
| E07000065 | Wealden | 482 | 63.1\% | 66.8\% | 3.7\% |
| E07000156 | Wellingborough | 491 | 58.4\% | 57.3\% | -1.2\% |


| E07000241 | Welwyn Hatfield | 485 | $66.0 \%$ | $66.8 \%$ | $0.9 \%$ |
| :--- | :--- | :--- | :--- | :--- | ---: |
| E06000037 | West Berkshire | 480 | $64.6 \%$ | $65.3 \%$ | $0.7 \%$ |
| E07000047 | West Devon | 495 | $67.2 \%$ | $65.9 \%$ | $-1.3 \%$ |
| E07000052 | West Dorset | 475 | $64.1 \%$ | $67.0 \%$ | $2.8 \%$ |
| E07000127 | West Lancashire | 472 | $62.0 \%$ | $64.5 \%$ | $2.5 \%$ |
| E07000142 | West Lindsey | 496 | $62.1 \%$ | $58.4 \%$ | $-3.7 \%$ |
| E07000181 | West Oxfordshire | 478 | $66.1 \%$ | $67.2 \%$ | $1.1 \%$ |
| E07000191 | West Somerset | 471 | $64.2 \%$ | $63.1 \%$ | $-1.1 \%$ |
| E09000033 | Westminster | 502 | $67.6 \%$ | $69.1 \%$ | $1.5 \%$ |
| E07000053 | Weymouth and Portland | 495 | $66.2 \%$ | $65.3 \%$ | $-0.9 \%$ |
| E08000010 | Wigan | 983 | $58.1 \%$ | $56.8 \%$ | $-1.3 \%$ |
| E06000054 | Wiltshire | 470 | $66.3 \%$ | $66.7 \%$ | $0.4 \%$ |
| E07000094 | Winchester | 525 | $71.2 \%$ | $70.6 \%$ | $-0.6 \%$ |
| E06000040 | Windsor and Maidenhead | 490 | $68.5 \%$ | $70.7 \%$ | $2.2 \%$ |
| E08000015 | Wirral | 480 | $63.1 \%$ | $57.3 \%$ | $-5.8 \%$ |
| E07000217 | Woking | 503 | $68.2 \%$ | $65.9 \%$ | $-2.4 \%$ |
| E06000041 | Wokingham | 491 | $68.0 \%$ | $72.8 \%$ | $4.8 \%$ |
| E08000031 | Wolverhampton | 471 | $53.7 \%$ | $52.2 \%$ | $-1.5 \%$ |
| E07000237 | Worcester | 508 | $62.8 \%$ | $65.1 \%$ | $2.3 \%$ |
| E07000229 | Worthing | 502 | $63.5 \%$ | $62.3 \%$ | $-1.2 \%$ |
| E07000238 | Wychavon | 480 | $60.9 \%$ | $58.9 \%$ | $-2.0 \%$ |
| E07000007 | Wycombe | 481 | $65.6 \%$ | $67.6 \%$ | $2.0 \%$ |
| E07000128 | Wyre | 522 | $60.7 \%$ | $60.0 \%$ | $-0.6 \%$ |
| E07000239 | Wyre Forest | 508 | $58.2 \%$ | $59.5 \%$ | $1.3 \%$ |
| E06000014 | York | 484 | $69.1 \%$ | $73.1 \%$ | $4.0 \%$ |

Table A3. Predicted and actual sport participation rates by LA

| LA code | LA name | Number of <br> respondents | Predicted <br> rate of sport | Actual rate <br> of sport | Difference in <br> rate of sport |
| :--- | :--- | ---: | ---: | ---: | ---: |
| E07000223 | Adur | 511 | $77.6 \%$ | $81.4 \%$ | $3.7 \%$ |
| E07000026 | Allerdale | 475 | $76.6 \%$ | $79.4 \%$ | $2.8 \%$ |
| E07000032 | Amber Valley | 492 | $77.5 \%$ | $78.8 \%$ | $1.3 \%$ |
| E07000224 | Arun | 469 | $77.5 \%$ | $79.4 \%$ | $1.9 \%$ |
| E07000170 | Ashfield | 503 | $71.8 \%$ | $74.2 \%$ | $2.4 \%$ |
| E07000105 | Ashford | 489 | $77.6 \%$ | $75.4 \%$ | $-2.3 \%$ |
| E07000004 | Aylesbury Vale | 470 | $82.6 \%$ | $82.8 \%$ | $0.2 \%$ |
| E07000200 | Babergh | 458 | $78.3 \%$ | $77.5 \%$ | $-0.8 \%$ |
| E09000002 | Barking and Dagenham | 455 | $68.0 \%$ | $66.4 \%$ | $-1.6 \%$ |
| E09000003 | Barnet | 483 | $78.8 \%$ | $79.1 \%$ | $0.3 \%$ |
| E08000016 | Barnsley | 482 | $70.6 \%$ | $72.4 \%$ | $1.8 \%$ |
| E07000027 | Barrow-in-Furness | 484 | $75.0 \%$ | $72.6 \%$ | $-2.3 \%$ |
| E07000066 | Basildon | 481 | $75.8 \%$ | $74.4 \%$ | $-1.4 \%$ |
| E07000084 | Basingstoke and Deane | 502 | $82.5 \%$ | $83.1 \%$ | $0.6 \%$ |
| E07000171 | Bassetlaw | 518 | $74.3 \%$ | $75.9 \%$ | $1.6 \%$ |
|  | Bath and North East |  |  |  |  |
| E06000022 | Somerset | 509 | $83.4 \%$ | $85.5 \%$ | $2.1 \%$ |
| E06000055 | Bedford | 485 | $77.1 \%$ | $73.1 \%$ | $-4.0 \%$ |
| E09000004 | Bexley | 481 | $75.2 \%$ | $79.2 \%$ | $4.1 \%$ |
| E08000025 | Birmingham | 1939 | $72.4 \%$ | $72.5 \%$ | $0.1 \%$ |


| E07000129 | Blaby | 496 | 76.6\% | 76.3\% | -0.4\% |
| :---: | :---: | :---: | :---: | :---: | :---: |
| E06000008 | Blackburn with Darwen | 497 | 70.4\% | 69.7\% | -0.8\% |
| E06000009 | Blackpool | 474 | 69.4\% | 67.0\% | -2.5\% |
| E07000033 | Bolsover | 496 | 71.7\% | 73.2\% | 1.5\% |
| E08000001 | Bolton | 967 | 71.8\% | 73.5\% | 1.7\% |
| E07000136 | Boston | 495 | 70.1\% | 67.9\% | -2.2\% |
| E06000028 | Bournemouth | 491 | 82.1\% | 83.0\% | 0.9\% |
| E06000036 | Bracknell Forest | 505 | 81.7\% | 83.1\% | 1.4\% |
| E08000032 | Bradford | 967 | 73.1\% | 77.0\% | 3.9\% |
| E07000067 | Braintree | 493 | 78.7\% | 81.3\% | 2.7\% |
| E07000143 | Breckland | 495 | 75.2\% | 78.7\% | 3.5\% |
| E09000005 | Brent | 497 | 69.3\% | 71.4\% | 2.1\% |
| E07000068 | Brentwood | 481 | 81.7\% | 76.9\% | -4.7\% |
| E06000043 | Brighton and Hove | 496 | 84.2\% | 84.9\% | 0.7\% |
| E06000023 | Bristol, City of | 1963 | 83.3\% | 83.5\% | 0.2\% |
| E07000144 | Broadland | 482 | 78.0\% | 75.9\% | -2.2\% |
| E09000006 | Bromley | 476 | 82.0\% | 81.2\% | -0.8\% |
| E07000234 | Bromsgrove | 513 | 80.3\% | 78.9\% | -1.4\% |
| E07000095 | Broxbourne | 500 | 73.6\% | 72.4\% | -1.2\% |
| E07000172 | Broxtowe | 498 | 80.7\% | 82.4\% | 1.7\% |
| E07000117 | Burnley | 544 | 71.5\% | 71.1\% | -0.5\% |
| E08000002 | Bury | 1002 | 75.6\% | 74.4\% | -1.2\% |
| E08000033 | Calderdale | 499 | 77.2\% | 78.8\% | 1.6\% |
| E07000008 | Cambridge | 740 | 86.9\% | 89.5\% | 2.6\% |
| E09000007 | Camden | 504 | 82.9\% | 84.7\% | 1.8\% |
| E07000192 | Cannock Chase | 478 | 72.6\% | 73.1\% | 0.5\% |
| E07000106 | Canterbury | 495 | 83.7\% | 82.5\% | -1.2\% |
| E07000028 | Carlisle | 486 | 76.2\% | 74.4\% | -1.7\% |
| E07000069 | Castle Point | 492 | 74.2\% | 78.7\% | 4.5\% |
| E06000056 | Central Bedfordshire | 492 | 80.4\% | 78.4\% | -2.0\% |
| E07000130 | Charnwood | 477 | 76.5\% | 75.6\% | -1.0\% |
| E07000070 | Chelmsford | 472 | 81.3\% | 76.3\% | -5.0\% |
| E07000078 | Cheltenham | 483 | 82.5\% | 82.0\% | -0.6\% |
| E07000177 | Cherwell | 469 | 81.1\% | 78.9\% | -2.3\% |
| E06000049 | Cheshire East | 514 | 79.0\% | 81.4\% | 2.3\% |
| E06000050 | Cheshire West and Chester | 465 | 78.6\% | 81.3\% | 2.7\% |
| E07000034 | Chesterfield | 502 | 76.3\% | 80.3\% | 3.9\% |
| E07000225 | Chichester | 496 | 82.6\% | 86.6\% | 4.0\% |
| E07000005 | Chiltern | 473 | 86.2\% | 85.7\% | -0.5\% |
| E07000118 | Chorley | 494 | 80.5\% | 82.9\% | 2.4\% |
| E07000048 | Christchurch | 489 | 80.6\% | 83.8\% | 3.1\% |
| E09000001 | City of London | 230 | 87.1\% | 88.0\% | 0.9\% |
| E07000071 | Colchester | 491 | 79.8\% | 84.3\% | 4.5\% |
| E07000029 | Copeland | 480 | 75.2\% | 74.6\% | -0.6\% |
| E07000150 | Corby | 481 | 69.9\% | 68.7\% | -1.2\% |
| E06000052 | Cornwall | 499 | 80.8\% | 78.5\% | -2.4\% |
| E07000079 | Cotswold | 505 | 83.1\% | 84.0\% | 1.0\% |
| E06000047 | County Durham | 469 | 74.2\% | 74.4\% | 0.3\% |
| E08000026 | Coventry | 513 | 73.3\% | 73.4\% | 0.1\% |
| E07000163 | Craven | 483 | 80.9\% | 84.8\% | 3.9\% |
| E07000226 | Crawley | 501 | 75.6\% | 78.6\% | 3.1\% |
| E09000008 | Croydon | 486 | 77.0\% | 76.0\% | -1.1\% |
| E07000096 | Dacorum | 494 | 81.0\% | 80.8\% | -0.2\% |
| E06000005 | Darlington | 477 | 74.1\% | 74.5\% | 0.4\% |


| E07000107 | Dartford | 495 | 77.2\% | 81.5\% | 4.3\% |
| :---: | :---: | :---: | :---: | :---: | :---: |
| E07000151 | Daventry | 491 | 80.3\% | 78.3\% | -2.1\% |
| E06000015 | Derby | 487 | 74.5\% | 76.6\% | 2.1\% |
| E07000035 | Derbyshire Dales | 511 | 81.1\% | 82.0\% | 0.9\% |
| E08000017 | Doncaster | 498 | 71.7\% | 68.4\% | -3.3\% |
| E07000108 | Dover | 478 | 79.3\% | 79.3\% | -0.1\% |
| E08000027 | Dudley | 480 | 73.9\% | 70.7\% | -3.2\% |
| E09000009 | Ealing | 483 | 76.1\% | 80.5\% | 4.4\% |
| E07000009 | East Cambridgeshire | 480 | 79.4\% | 80.2\% | 0.8\% |
| E07000040 | East Devon | 488 | 83.2\% | 84.8\% | 1.6\% |
| E07000049 | East Dorset | 464 | 80.7\% | 81.6\% | 0.9\% |
| E07000085 | East Hampshire | 499 | 82.1\% | 82.9\% | 0.8\% |
| E07000242 | East Hertfordshire | 465 | 83.5\% | 82.0\% | -1.5\% |
| E07000137 | East Lindsey | 473 | 71.8\% | 67.4\% | -4.3\% |
| E07000152 | East Northamptonshire | 507 | 77.8\% | 79.0\% | 1.2\% |
| E06000011 | East Riding of Yorkshire | 491 | 77.9\% | 73.7\% | -4.2\% |
| E07000193 | East Staffordshire | 474 | 75.6\% | 79.9\% | 4.3\% |
| E07000061 | Eastbourne | 515 | 78.3\% | 73.8\% | -4.5\% |
| E07000086 | Eastleigh | 477 | 80.0\% | 81.3\% | 1.2\% |
| E07000030 | Eden | 507 | 81.2\% | 80.7\% | -0.4\% |
| E07000207 | Elmbridge | 485 | 84.5\% | 83.3\% | -1.2\% |
| E09000010 | Enfield | 476 | 73.0\% | 75.3\% | 2.3\% |
| E07000072 | Epping Forest | 502 | 77.7\% | 81.6\% | 3.8\% |
| E07000208 | Epsom and Ewell | 502 | 83.2\% | 83.3\% | 0.1\% |
| E07000036 | Erewash | 505 | 75.3\% | 77.0\% | 1.7\% |
| E07000041 | Exeter | 492 | 83.6\% | 88.5\% | 4.9\% |
| E07000087 | Fareham | 463 | 81.7\% | 83.7\% | 2.0\% |
| E07000010 | Fenland | 491 | 70.5\% | 68.3\% | -2.2\% |
| E07000201 | Forest Heath | 481 | 73.4\% | 74.0\% | 0.6\% |
| E07000080 | Forest of Dean | 497 | 79.0\% | 82.2\% | 3.2\% |
| E07000119 | Fylde | 530 | 78.4\% | 81.6\% | 3.3\% |
| E08000037 | Gateshead | 465 | 74.4\% | 79.4\% | 4.9\% |
| E07000173 | Gedling | 498 | 79.2\% | 80.0\% | 0.9\% |
| E07000081 | Gloucester | 479 | 79.3\% | 75.4\% | -3.9\% |
| E07000088 | Gosport | 485 | 78.1\% | 77.4\% | -0.7\% |
| E07000109 | Gravesham | 487 | 74.9\% | 71.2\% | -3.7\% |
| E07000145 | Great Yarmouth | 499 | 74.3\% | 76.9\% | 2.7\% |
| E09000011 | Greenwich | 474 | 76.2\% | 79.9\% | 3.6\% |
| E07000209 | Guildford | 467 | 85.4\% | 85.6\% | 0.2\% |
| E09000012 | Hackney | 530 | 80.9\% | 84.6\% | 3.6\% |
| E06000006 | Halton | 484 | 73.5\% | 73.2\% | -0.3\% |
| E07000164 | Hambleton | 481 | 80.7\% | 75.8\% | -4.9\% |
| E09000013 | Hammersmith and Fulham | 479 | 82.2\% | 79.7\% | -2.5\% |
| E07000131 | Harborough | 483 | 81.9\% | 82.1\% | 0.2\% |
| E09000014 | Haringey | 486 | 80.8\% | 78.1\% | -2.7\% |
| E07000073 | Harlow | 503 | 74.8\% | 74.0\% | -0.8\% |
| E07000165 | Harrogate | 495 | 79.8\% | 82.8\% | 3.0\% |
| E09000015 | Harrow | 498 | 73.7\% | 72.0\% | -1.7\% |
| E07000089 | Hart | 500 | 83.8\% | 80.8\% | -3.0\% |
| E06000001 | Hartlepool | 467 | 71.9\% | 69.4\% | -2.5\% |
| E07000062 | Hastings | 485 | 76.8\% | 77.0\% | 0.2\% |
| E07000090 | Havant | 476 | 75.7\% | 78.3\% | 2.7\% |
| E09000016 | Havering | 501 | 75.7\% | 78.4\% | 2.7\% |
| E06000019 | Herefordshire, County of | 484 | 78.1\% | 75.2\% | -2.9\% |


| E07000098 | Hertsmere | 502 | 79.4\% | 79.2\% | -0.2\% |
| :---: | :---: | :---: | :---: | :---: | :---: |
| E07000037 | High Peak | 488 | 79.6\% | 82.2\% | 2.6\% |
| E09000017 | Hillingdon | 486 | 75.3\% | 71.6\% | -3.7\% |
| E07000132 | Hinckley and Bosworth | 484 | 76.9\% | 73.8\% | -3.2\% |
| E07000227 | Horsham | 469 | 81.3\% | 80.3\% | -1.0\% |
| E09000018 | Hounslow | 484 | 74.1\% | 73.3\% | -0.8\% |
| E07000011 | Huntingdonshire | 468 | 79.5\% | 79.6\% | 0.1\% |
| E07000120 | Hyndburn | 477 | 70.0\% | 68.8\% | -1.1\% |
| E07000202 | Ipswich | 490 | 74.6\% | 74.3\% | -0.3\% |
| E06000046 | Isle of Wight | 450 | 77.5\% | 83.9\% | 6.3\% |
| E06000053 | Isles of Scilly | 234 | 87.0\% | 88.2\% | 1.2\% |
| E09000019 | Islington | 473 | 83.1\% | 85.0\% | 1.9\% |
| E09000020 | Kensington and Chelsea | 509 | 81.4\% | 82.7\% | 1.3\% |
| E07000153 | Kettering | 480 | 75.4\% | 80.5\% | 5.1\% |
|  | King's Lynn and West |  |  |  |  |
| E07000146 | Norfolk | 495 | 73.9\% | 71.0\% | -2.9\% |
| E06000010 | Kingston upon Hull, City of | 478 | 73.5\% | 72.1\% | -1.4\% |
| E09000021 | Kingston upon Thames | 472 | 81.1\% | 82.4\% | 1.3\% |
| E08000034 | Kirklees | 472 | 72.1\% | 68.9\% | -3.1\% |
| E08000011 | Knowsley | 484 | 72.4\% | 72.3\% | 0.0\% |
| E09000022 | Lambeth | 489 | 82.9\% | 84.3\% | 1.4\% |
| E07000121 | Lancaster | 493 | 81.1\% | 80.9\% | -0.2\% |
| E08000035 | Leeds | 1928 | 79.4\% | 79.2\% | -0.2\% |
| E06000016 | Leicester | 454 | 69.9\% | 76.8\% | 6.8\% |
| E07000063 | Lewes | 509 | 80.7\% | 79.0\% | -1.7\% |
| E09000023 | Lewisham | 473 | 79.8\% | 82.5\% | 2.6\% |
| E07000194 | Lichfield | 507 | 78.4\% | 79.2\% | 0.8\% |
| E07000138 | Lincoln | 496 | 79.5\% | 78.7\% | -0.8\% |
| E08000012 | Liverpool | 2000 | 78.2\% | 78.4\% | 0.2\% |
| E06000032 | Luton | 459 | 71.9\% | 69.2\% | -2.7\% |
| E07000110 | Maidstone | 501 | 78.7\% | 80.8\% | 2.1\% |
| E07000074 | Maldon | 472 | 79.1\% | 80.9\% | 1.8\% |
| E07000235 | Malvern Hills | 496 | 79.1\% | 77.6\% | -1.5\% |
| E08000003 | Manchester | 1996 | 76.7\% | 76.8\% | 0.1\% |
| E07000174 | Mansfield | 473 | 73.0\% | 77.8\% | 4.8\% |
| E06000035 | Medway | 481 | 77.8\% | 75.9\% | -1.9\% |
| E07000133 | Melton | 496 | 78.2\% | 81.9\% | 3.8\% |
| E07000187 | Mendip | 504 | 79.8\% | 78.0\% | -1.7\% |
| E09000024 | Merton | 482 | 79.5\% | 78.5\% | -1.0\% |
| E07000042 | Mid Devon | 521 | 79.9\% | 79.8\% | -0.1\% |
| E07000203 | Mid Suffolk | 491 | 80.5\% | 77.6\% | -2.9\% |
| E07000228 | Mid Sussex | 491 | 84.0\% | 83.6\% | -0.4\% |
| E06000002 | Middlesbrough | 468 | 69.9\% | 69.0\% | -0.8\% |
| E06000042 | Milton Keynes | 471 | 78.9\% | 81.0\% | 2.1\% |
| E07000210 | Mole Valley | 478 | 84.0\% | 81.6\% | -2.4\% |
| E07000091 | New Forest | 481 | 80.7\% | 78.8\% | -1.9\% |
| E07000175 | Newark and Sherwood | 519 | 76.7\% | 78.8\% | 2.1\% |
| E08000021 | Newcastle upon Tyne | 1924 | 76.9\% | 77.3\% | 0.3\% |
| E07000195 | Newcastle-under-Lyme | 483 | 77.2\% | 77.6\% | 0.4\% |
| E09000025 | Newham | 481 | 69.9\% | 69.0\% | -0.9\% |
| E07000043 | North Devon | 500 | 81.3\% | 78.5\% | -2.8\% |
| E07000050 | North Dorset | 479 | 81.7\% | 83.0\% | 1.3\% |
| E07000038 | North East Derbyshire | 503 | 77.2\% | 74.6\% | -2.6\% |
| E06000012 | North East Lincolnshire | 504 | 72.9\% | 67.6\% | -5.3\% |
| E07000099 | North Hertfordshire | 479 | 82.2\% | 81.7\% | -0.5\% |


| E07000139 | North Kesteven | 501 | 78.1\% | 76.6\% | -1.6\% |
| :---: | :---: | :---: | :---: | :---: | :---: |
| E06000013 | North Lincolnshire | 493 | 73.6\% | 73.3\% | -0.3\% |
| E07000147 | North Norfolk | 497 | 78.7\% | 83.5\% | 4.8\% |
| E06000024 | North Somerset | 509 | 80.9\% | 79.7\% | -1.3\% |
| E08000022 | North Tyneside | 478 | 73.9\% | 72.7\% | -1.2\% |
| E07000218 | North Warwickshire | 489 | 73.3\% | 73.6\% | 0.3\% |
| E07000134 | North West Leicestershire | 480 | 77.4\% | 72.9\% | -4.5\% |
| E07000154 | Northampton | 499 | 74.5\% | 74.5\% | 0.0\% |
| E06000057 | Northumberland | 469 | 77.6\% | 79.6\% | 1.9\% |
| E07000148 | Norwich | 728 | 80.3\% | 81.9\% | 1.7\% |
| E06000018 | Nottingham | 1927 | 76.2\% | 77.3\% | 1.1\% |
| E07000219 | Nuneaton and Bedworth | 493 | 72.6\% | 71.6\% | -1.0\% |
| E07000135 | Oadby and Wigston | 490 | 75.8\% | 74.3\% | -1.5\% |
| E08000004 | Oldham | 997 | 71.3\% | 70.7\% | -0.7\% |
| E07000178 | Oxford | 734 | 85.8\% | 84.6\% | -1.3\% |
| E07000122 | Pendle | 492 | 71.6\% | 72.4\% | 0.7\% |
| E06000031 | Peterborough | 490 | 71.5\% | 73.5\% | 2.0\% |
| E06000026 | Plymouth | 501 | 77.6\% | 78.2\% | 0.6\% |
| E06000029 | Poole | 497 | 80.9\% | 84.8\% | 3.9\% |
| E06000044 | Portsmouth | 494 | 79.7\% | 81.0\% | 1.3\% |
| E07000123 | Preston | 486 | 76.2\% | 74.6\% | -1.6\% |
| E07000051 | Purbeck | 499 | 80.0\% | 80.7\% | 0.8\% |
| E06000038 | Reading | 486 | 79.8\% | 81.3\% | 1.5\% |
| E09000026 | Redbridge | 460 | 71.3\% | 75.1\% | 3.8\% |
| E06000003 | Redcar and Cleveland | 481 | 72.9\% | 74.0\% | 1.1\% |
| E07000236 | Redditch | 510 | 73.7\% | 76.8\% | 3.2\% |
| E07000211 | Reigate and Banstead | 464 | 83.2\% | 83.6\% | 0.4\% |
| E07000124 | Ribble Valley | 483 | 79.5\% | 80.2\% | 0.7\% |
| E09000027 | Richmond upon Thames | 491 | 86.1\% | 89.7\% | 3.5\% |
| E07000166 | Richmondshire | 464 | 80.2\% | 87.2\% | 7.0\% |
| E08000005 | Rochdale | 938 | 69.4\% | 69.1\% | -0.3\% |
| E07000075 | Rochford | 491 | 78.9\% | 76.8\% | -2.1\% |
| E07000125 | Rossendale | 490 | 77.0\% | 72.9\% | -4.0\% |
| E07000064 | Rother | 486 | 79.5\% | 76.7\% | -2.8\% |
| E08000018 | Rotherham | 483 | 73.7\% | 67.9\% | -5.8\% |
| E07000220 | Rugby | 490 | 78.9\% | 78.6\% | -0.3\% |
| E07000212 | Runnymede | 504 | 81.0\% | 82.1\% | 1.2\% |
| E07000176 | Rushcliffe | 503 | 84.7\% | 85.8\% | 1.1\% |
| E07000092 | Rushmoor | 518 | 77.7\% | 72.7\% | -5.1\% |
| E06000017 | Rutland | 485 | 79.3\% | 78.5\% | -0.7\% |
| E07000167 | Ryedale | 499 | 80.1\% | 79.2\% | -0.8\% |
| E08000006 | Salford | 990 | 73.3\% | 76.6\% | 3.3\% |
| E08000028 | Sandwell | 473 | 66.4\% | 68.2\% | 1.8\% |
| E07000168 | Scarborough | 495 | 78.3\% | 82.9\% | 4.6\% |
| E07000188 | Sedgemoor | 505 | 77.5\% | 73.0\% | -4.5\% |
| E08000014 | Sefton | 511 | 77.8\% | 78.0\% | 0.2\% |
| E07000169 | Selby | 496 | 77.0\% | 76.0\% | -1.0\% |
| E07000111 | Sevenoaks | 482 | 81.8\% | 83.5\% | 1.7\% |
| E08000019 | Sheffield | 1973 | 78.6\% | 78.1\% | -0.6\% |
| E07000112 | Shepway | 514 | 79.1\% | 79.9\% | 0.7\% |
| E06000051 | Shropshire | 509 | 76.8\% | 80.8\% | 4.1\% |
| E06000039 | Slough | 477 | 68.6\% | 66.3\% | -2.3\% |
| E08000029 | Solihull | 475 | 75.1\% | 77.4\% | 2.3\% |
| E07000006 | South Bucks | 480 | 82.1\% | 82.1\% | 0.0\% |


| E07000012 | South Cambridgeshire | 480 | 84.1\% | 82.2\% | -1.8\% |
| :---: | :---: | :---: | :---: | :---: | :---: |
| E07000039 | South Derbyshire | 497 | 76.6\% | 75.8\% | -0.8\% |
| E06000025 | South Gloucestershire | 497 | 80.4\% | 77.6\% | -2.8\% |
| E07000044 | South Hams | 504 | 82.7\% | 84.1\% | 1.4\% |
| E07000140 | South Holland | 485 | 69.9\% | 67.9\% | -2.0\% |
| E07000141 | South Kesteven | 500 | 78.6\% | 80.1\% | 1.4\% |
| E07000031 | South Lakeland | 486 | 80.4\% | 82.9\% | 2.5\% |
| E07000149 | South Norfolk | 478 | 80.6\% | 80.4\% | -0.2\% |
| E07000155 | South Northamptonshire | 475 | 80.6\% | 77.3\% | -3.4\% |
| E07000179 | South Oxfordshire | 497 | 84.3\% | 89.0\% | 4.7\% |
| E07000126 | South Ribble | 499 | 78.8\% | 76.8\% | -2.0\% |
| E07000189 | South Somerset | 481 | 78.8\% | 76.7\% | -2.1\% |
| E07000196 | South Staffordshire | 519 | 77.2\% | 77.4\% | 0.2\% |
| E08000023 | South Tyneside | 463 | 71.6\% | 72.8\% | 1.3\% |
| E06000045 | Southampton | 485 | 78.8\% | 76.1\% | -2.7\% |
| E06000033 | Southend-on-Sea | 500 | 77.2\% | 75.0\% | -2.1\% |
| E09000028 | Southwark | 510 | 81.6\% | 84.5\% | 2.9\% |
| E07000213 | Spelthorne | 471 | 78.2\% | 82.7\% | 4.5\% |
| E07000240 | St Albans | 489 | 86.5\% | 86.7\% | 0.2\% |
| E07000204 | St Edmundsbury | 461 | 78.5\% | 78.2\% | -0.3\% |
| E08000013 | St. Helens | 479 | 75.3\% | 73.8\% | -1.5\% |
| E07000197 | Stafford | 509 | 78.5\% | 75.8\% | -2.7\% |
| E07000198 | Staffordshire Moorlands | 482 | 75.2\% | 69.4\% | -5.8\% |
| E07000243 | Stevenage | 469 | 76.5\% | 75.1\% | -1.4\% |
| E08000007 | Stockport | 953 | 78.5\% | 79.9\% | 1.4\% |
| E06000004 | Stockton-on-Tees | 494 | 74.6\% | 72.4\% | -2.3\% |
| E06000021 | Stoke-on-Trent | 511 | 69.7\% | 72.5\% | 2.8\% |
| E07000221 | Stratford-on-Avon | 534 | 80.7\% | 82.7\% | 2.0\% |
| E07000082 | Stroud | 511 | 83.6\% | 83.8\% | 0.2\% |
| E07000205 | Suffolk Coastal | 482 | 80.3\% | 80.6\% | 0.2\% |
| E08000024 | Sunderland | 459 | 71.6\% | 74.8\% | 3.2\% |
| E07000214 | Surrey Heath | 495 | 82.0\% | 80.7\% | -1.3\% |
| E09000029 | Sutton | 493 | 76.5\% | 74.0\% | -2.5\% |
| E07000113 | Swale | 494 | 74.8\% | 74.3\% | -0.5\% |
| E06000030 | Swindon | 524 | 77.5\% | 81.0\% | 3.5\% |
| E08000008 | Tameside | 969 | 71.1\% | 73.4\% | 2.3\% |
| E07000199 | Tamworth | 477 | 73.5\% | 71.9\% | -1.6\% |
| E07000215 | Tandridge | 470 | 81.4\% | 84.7\% | 3.3\% |
| E07000190 | Taunton Deane | 481 | 79.9\% | 77.4\% | -2.5\% |
| E07000045 | Teignbridge | 499 | 80.9\% | 77.5\% | -3.5\% |
| E06000020 | Telford and Wrekin | 480 | 75.2\% | 76.4\% | 1.2\% |
| E07000076 | Tendring | 490 | 72.3\% | 74.8\% | 2.5\% |
| E07000093 | Test Valley | 492 | 81.4\% | 81.8\% | 0.4\% |
| E07000083 | Tewkesbury | 499 | 81.3\% | 76.9\% | -4.3\% |
| E07000114 | Thanet | 503 | 78.8\% | 75.8\% | -3.0\% |
| E07000102 | Three Rivers | 475 | 80.0\% | 82.0\% | 2.0\% |
| E06000034 | Thurrock | 499 | 72.0\% | 72.7\% | 0.7\% |
| E07000115 | Tonbridge and Malling | 501 | 81.6\% | 85.6\% | 4.0\% |
| E06000027 | Torbay | 477 | 78.9\% | 78.2\% | -0.7\% |
| E07000046 | Torridge | 484 | 79.7\% | 81.8\% | 2.1\% |
| E09000030 | Tower Hamlets | 516 | 77.0\% | 76.5\% | -0.5\% |
| E08000009 | Trafford | 979 | 80.4\% | 79.6\% | -0.7\% |
| E07000116 | Tunbridge Wells | 482 | 83.8\% | 86.2\% | 2.4\% |
| E07000077 | Uttlesford | 493 | 81.5\% | 82.8\% | 1.2\% |


| E07000180 | Vale of White Horse | 514 | 83.4\% | 87.0\% | 3.6\% |
| :---: | :---: | :---: | :---: | :---: | :---: |
| E08000036 | Wakefield | 475 | 72.7\% | 71.4\% | -1.3\% |
| E08000030 | Walsall | 478 | 69.1\% | 72.2\% | 3.1\% |
| E09000031 | Waltham Forest | 474 | 75.0\% | 75.1\% | 0.2\% |
| E09000032 | Wandsworth | 501 | 84.8\% | 83.8\% | -1.0\% |
| E06000007 | Warrington | 500 | 79.3\% | 74.2\% | -5.0\% |
| E07000222 | Warwick | 475 | 81.5\% | 83.2\% | 1.7\% |
| E07000103 | Watford | 482 | 76.6\% | 73.6\% | -3.1\% |
| E07000206 | Waveney | 476 | 74.4\% | 76.0\% | 1.6\% |
| E07000216 | Waverley | 507 | 84.7\% | 87.4\% | 2.6\% |
| E07000065 | Wealden | 482 | 80.5\% | 82.1\% | 1.6\% |
| E07000156 | Wellingborough | 491 | 74.6\% | 72.0\% | -2.6\% |
| E07000241 | Welwyn Hatfield | 485 | 80.1\% | 79.6\% | -0.5\% |
| E06000037 | West Berkshire | 480 | 81.3\% | 83.4\% | 2.1\% |
| E07000047 | West Devon | 495 | 81.8\% | 83.0\% | 1.2\% |
| E07000052 | West Dorset | 475 | 80.4\% | 82.6\% | 2.2\% |
| E07000127 | West Lancashire | 472 | 77.7\% | 79.8\% | 2.1\% |
| E07000142 | West Lindsey | 496 | 78.8\% | 74.2\% | -4.5\% |
| E07000181 | West Oxfordshire | 478 | 82.4\% | 80.8\% | -1.6\% |
| E07000191 | West Somerset | 471 | 78.9\% | 80.4\% | 1.5\% |
| E09000033 | Westminster | 502 | 81.6\% | 82.6\% | 1.0\% |
| E07000053 | Weymouth and Portland | 495 | 80.5\% | 81.6\% | 1.1\% |
| E08000010 | Wigan | 983 | 73.3\% | 73.6\% | 0.3\% |
| E06000054 | Wiltshire | 470 | 81.2\% | 82.9\% | 1.7\% |
| E07000094 | Winchester | 525 | 85.5\% | 86.5\% | 1.0\% |
| E06000040 | Windsor and Maidenhead | 490 | 83.3\% | 84.8\% | 1.5\% |
| E08000015 | Wirral | 480 | 78.1\% | 72.6\% | -5.5\% |
| E07000217 | Woking | 503 | 82.5\% | 82.6\% | 0.1\% |
| E06000041 | Wokingham | 491 | 83.6\% | 86.8\% | 3.2\% |
| E08000031 | Wolverhampton | 471 | 69.4\% | 64.9\% | -4.5\% |
| E07000237 | Worcester | 508 | 77.4\% | 76.9\% | -0.5\% |
| E07000229 | Worthing | 502 | 80.4\% | 79.0\% | -1.4\% |
| E07000238 | Wychavon | 480 | 78.9\% | 80.1\% | 1.1\% |
| E07000007 | Wycombe | 481 | 82.1\% | 81.5\% | -0.6\% |
| E07000128 | Wyre | 522 | 77.1\% | 77.8\% | 0.6\% |
| E07000239 | Wyre Forest | 508 | 74.6\% | 79.0\% | 4.4\% |
| E06000014 | York | 484 | 82.2\% | 86.9\% | 4.8\% |

## Appendix B: modelling approach

The analysis of the expected rates of sport participation was conducted applying multilevel modelling and logistic regression. The first approach was applied to estimate the rates of sport participation across the 326 Local Authorities and it is appropriate when the data have a hierarchical structure. Further to this, descriptive analysis and a simple logistic regression were used to better understand the existing differences among Wakefield, Epsom and Ewell, and Leicester.

Multilevel modelling is used when data are organised in more than one level, in this instance there were two levels; the first one represented by individuals and the second level by Local Authorities, where respondents are "clustered". The main issue with these types of observations are that they are unlikely to be independent of one another and this represents a big violation of the main Ordinary Least Square assumptions. When observations are not independent the chances of committing type I errors ${ }^{8}$ are greater, which can lead to certain variables being considered to be statistically significant when they are not, leading to the wrong inference. Multilevel modelling instead takes in consideration the hierarchical structure of the data and calculates correct standard errors for each of the regressors, leading to more reliable and robust estimates.

[^3]The models aimed at estimating the expected rate of sport participation (activity, inactivity and sport) within each Local Authority given a set of independent variables, collected both at individual and area level. Each outcome, coded as a binary variable, was estimated in a separate regression using the set of xtlogit commands from Stata 15. As highlighted in the results section, most of the variation in the three outcomes is due to individual level variables, area level indicators do not appear to be good predictors of sport participation. This is indicated by the Intraclass Correlation Coefficient (ICC) also called rho, which represents the amount of variation in the dependent variable due to Local Authority factors. Across the three outcomes, rho was equal to $0.2 \%$.

Tables B1-B3 show the odds ratios associated to each regressor, its standard error, P-value and $95 \%$ confidence intervals. The odds ratios are a measure of how likely/unlikely respondents are to be active/inactive or to practice sport with respect to the reference category, which in this instance it is always the first category of each variable. If an odd ratio is higher than 1 , the chances of being active are higher, the opposite is true is the odd ratio is less than 1. Table B4 reports the simple logistic regression conducted on the three Local Authorities in isolation using the logit command in Stata 15. These models were used to further investigate the relationships between activity and the individual and area characteristics for three selected Local Authorities. As for the previous models, the table presents the odds ratios and reports standard errors below each coefficient. Statistical significance is indicated by the stars next to each coefficient. One star means that the coefficient is significant at 90\% confidence level, two stars at 95\% and three stars at $99 \%$.

Table B1. Model output for sports participation

| Variable label | Reference category | Category | OR | Std. Err. | $z$ | $P>z$ | $\begin{aligned} & \text { [95\% } \\ & \text { Conf. } \end{aligned}$ | Interval] |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Age by gender | male 16-24 | male 25-34 | 0.874 | 0.049 | -2.4 | 0.017 | 0.78 | 0.98 |
|  |  | male 35-44 | 0.934 | 0.052 | -1.2 | 0.218 | 0.84 | 1.04 |
|  |  | male 45-54 | 0.799 | 0.043 | -4.2 | 0.000 | 0.72 | 0.89 |
|  |  | male 55-64 | 0.652 | 0.035 | -8.0 | 0.000 | 0.59 | 0.72 |
|  |  | male 65+ | 1.189 | 0.067 | 3.1 | 0.002 | 1.06 | 1.33 |
|  |  | female 16-24 | 0.945 | 0.053 | -1.0 | 0.312 | 0.85 | 1.05 |
|  |  | female 25-34 | 0.884 | 0.048 | -2.3 | 0.023 | 0.80 | 0.98 |
|  |  | female 35-44 | 0.911 | 0.049 | -1.7 | 0.086 | 0.82 | 1.01 |
|  |  | female 45-54 | 0.854 | 0.045 | -3.0 | 0.003 | 0.77 | 0.95 |
|  |  | female 55-64 | 0.645 | 0.034 | -8.3 | 0.000 | 0.58 | 0.72 |
|  |  | female 65+ | 0.955 | 0.054 | -0.8 | 0.414 | 0.86 | 1.07 |
|  | NS SEC 1-2: |  |  |  |  |  |  |  |
| Socio-economic group | Higher social groups | NS SEC 3-5: Middle social groups | 0.853 | 0.021 | -6.6 | 0.000 | 0.81 | 0.89 |
|  |  | NS SEC 6-8: Lower social groups | 0.794 | 0.025 | -7.4 | 0.000 | 0.75 | 0.84 |





Table B2. Model output for activity (excluding gardening)

| Variable label | Reference category | Category | OR | Std. Err. | $z$ | P>z | [95\% Conf. | Interval] |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Age by gender | male 16-24 | male 25-34 | 0.824 | 0.040 | -4.0 | 0.000 | 0.75 | 0.91 |
|  |  | male 35-44 | 0.832 | 0.040 | -3.8 | 0.000 | 0.76 | 0.91 |
|  |  | male 45-54 | 0.750 | 0.035 | -6.2 | 0.000 | 0.68 | 0.82 |
|  |  | male 55-64 | 0.606 | 0.028 | -10.9 | 0.000 | 0.55 | 0.66 |
|  |  | male 65+ | 0.465 | 0.022 | -16.1 | 0.000 | 0.42 | 0.51 |
|  |  | female 16-24 | 0.873 | 0.042 | -2.9 | 0.004 | 0.79 | 0.96 |
|  |  | female 25-34 | 0.784 | 0.036 | -5.3 | 0.000 | 0.72 | 0.86 |
|  |  | female 35-44 | 0.762 | 0.035 | -5.9 | 0.000 | 0.70 | 0.83 |
|  |  | female 45-54 | 0.703 | 0.032 | -7.8 | 0.000 | 0.64 | 0.77 |
|  |  | female 55-64 | 0.539 | 0.025 | -13.5 | 0.000 | 0.49 | 0.59 |
|  |  | female 65+ | 0.383 | 0.018 | -20.1 | 0.000 | 0.35 | 0.42 |
| Socioeconomic group | NS SEC 1-2: <br> Higher social groups | NS SEC 3-5: Middle social |  |  |  |  |  |  |
|  |  | groups | 0.873 | 0.018 | -6.6 | 0.000 | 0.84 | 0.91 |
|  |  | NS SEC 6-8: Lower social groups | 0.775 | 0.022 | -9.0 | 0.000 | 0.73 | 0.82 |
|  |  | NS SEC 9: Students and other |  |  |  |  |  |  |
|  |  | / unclassi | 0.762 | 0.025 | -8.2 | 0.000 | 0.71 | 0.81 |


| Fieldwork period | Month 25 <br> (Nov 2017 to Dec 2017) | Aged <16 or 75+ | $\begin{aligned} & 0.454 \\ & 0.813 \end{aligned}$ | $\begin{aligned} & 0.010 \\ & 0.023 \end{aligned}$ | -35.1$-7.4$ | $\begin{aligned} & 0.000 \\ & 0.000 \end{aligned}$ | $\begin{aligned} & 0.43 \\ & 0.77 \end{aligned}$ | $\begin{aligned} & 0.47 \\ & 0.86 \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Month 26 (Dec 2017 to Jan |  |  |  |  |  |  |
|  |  | 2018) |  |  |  |  |  |  |
|  |  | Month 27 (Jan 2018 to Feb |  |  |  |  |  |  |
|  |  | 2018) | 0.892 | 0.025 | -4.1 | 0.000 | 0.84 | 0.94 |
|  |  | Month 28 (Feb 2018 to Mar |  |  |  |  |  |  |
|  |  | 2018) | 0.947 | 0.026 | -2.0 | 0.049 | 0.90 | 1.00 |
|  |  | Month 29 (Mar 2018 to Apr |  |  |  |  |  |  |
|  |  | 2018) | 0.982 | 0.027 | -0.7 | 0.500 | 0.93 | 1.04 |
|  |  | Month 30 (Apr 2018 to May |  |  |  |  |  |  |
|  |  | 2018) | 1.065 | 0.030 | 2.2 | 0.025 | 1.01 | 1.13 |
|  |  | Month 31 (May 2018 to June |  |  |  |  |  |  |
|  |  | 2018) | 1.161 | 0.031 | 5.6 | 0.000 | 1.10 | 1.22 |
|  |  | Month 32 (June 2018 to July |  |  |  |  |  |  |
|  |  | 2018) | 1.194 | 0.033 | 6.4 | 0.000 | 1.13 | 1.26 |
|  |  | Month 33 (July 2018 to Aug |  |  |  |  |  |  |
|  |  | 2018) | 1.258 | 0.037 | 7.8 | 0.000 | 1.19 | 1.33 |
|  |  | Month 34 (Aug 2018 to Sep |  |  |  |  |  |  |
|  |  | 2018) | 1.112 | 0.032 | 3.7 | 0.000 | 1.05 | 1.18 |
|  |  | Month 35 (Sep 2018 to Oct |  |  |  |  |  |  |
|  |  | 2018) | 1.067 | 0.028 | 2.4 | 0.015 | 1.01 | 1.12 |
|  |  | Month 36 (Oct 2018 to Nov |  |  |  |  |  |  |
|  |  | 2018) | 0.952 | 0.026 | -1.8 | 0.067 | 0.90 | 1.00 |
| Region | East Mids | Eastern | 0.977 | 0.027 | -0.9 | 0.389 | 0.93 | 1.03 |
|  |  | London | 0.955 | 0.042 | -1.1 | 0.290 | 0.88 | 1.04 |
|  |  | North East | 0.869 | 0.038 | -3.2 | 0.001 | 0.80 | 0.95 |
|  |  | North West | 0.947 | 0.029 | -1.8 | 0.076 | 0.89 | 1.01 |
|  |  | South East | 0.995 | 0.027 | -0.2 | 0.847 | 0.94 | 1.05 |
|  |  | South West | 1.093 | 0.034 | 2.8 | 0.004 | 1.03 | 1.16 |
|  |  | West Midlands | 0.945 | 0.029 | -1.8 | 0.065 | 0.89 | 1.00 |
|  |  | York \& Humber | 0.975 | 0.032 | -0.8 | 0.445 | 0.91 | 1.04 |
| Whether has a disability | Limiting disability |  |  |  |  |  |  |  |
|  |  | Non-limiting disability | 1.631 | 0.030 | 26.8 | 0.000 | 1.57 | 1.69 |
|  |  | No disability | 1.813 | 0.028 | 39.2 | 0.000 | 1.76 | 1.87 |
| Ethnicity | White British | White other+mixed | 0.892 | 0.020 | -5.1 | 0.000 | 0.85 | 0.93 |
|  |  | Asian+Chinese | 0.680 | 0.019 | -14.0 | 0.000 | 0.64 | 0.72 |
|  |  | Black+other | 0.707 | 0.026 | -9.5 | 0.000 | 0.66 | 0.76 |
| Highest qual | Level 4 | Level 3 and equivalents | 0.904 | 0.015 | -6.0 | 0.000 | 0.87 | 0.93 |
|  |  | Level 2 and equivalents | 0.857 | 0.014 | -9.4 | 0.000 | 0.83 | 0.89 |
|  |  | Level 1 and below | 0.759 | 0.027 | -7.7 | 0.000 | 0.71 | 0.81 |
|  |  | Another type of qualification | 0.857 | 0.021 | -6.3 | 0.000 | 0.82 | 0.90 |
|  |  | No qualifications | 0.668 | 0.015 | -18.2 | 0.000 | 0.64 | 0.70 |
| Work status | Working FT | Working PT | 1.114 | 0.019 | 6.2 | 0.000 | 1.08 | 1.15 |
|  |  | Unemployed < 12mths | 1.140 | 0.057 | 2.6 | 0.009 | 1.03 | 1.26 |
|  |  | Unemployed > 12 mths | 1.112 | 0.054 | 2.2 | 0.029 | 1.01 | 1.22 |
|  |  | Not working-retired | 1.230 | 0.026 | 9.8 | 0.000 | 1.18 | 1.28 |
|  |  | Not working-looking after house/children | 1.107 | 0.035 | 3.3 | 0.001 | 1.04 | 1.18 |
|  |  | Not working-long term sick or disabled | 0.617 | 0.023 | -13.2 | 0.000 | 0.57 | 0.66 |
|  |  | Student FT | 1.629 | 0.080 | 9.9 | 0.000 | 1.48 | 1.79 |
|  |  | Other | 0.995 | 0.032 | -0.2 | 0.869 | 0.93 | 1.06 |




Table B3. Model output for inactivity (excluding gardening)

| Variable label | Reference category | Category | OR | Std. Err. | $z$ | P>z | [95\% Conf. | Interval] |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Age by gender | male 16-24 | male 25-34 | 1.138 | 0.065 | 2.3 | 0.023 | 1.02 | 1.27 |
|  |  | male 35-44 | 1.080 | 0.060 | 1.4 | 0.167 | 0.97 | 1.21 |
|  |  | male 45-54 | 1.270 | 0.069 | 4.4 | 0.000 | 1.14 | 1.41 |
|  |  | male 55-64 | 1.578 | 0.084 | 8.5 | 0.000 | 1.42 | 1.75 |
|  |  | male 65+ | 1.997 | 0.109 | 12.6 | 0.000 | 1.79 | 2.22 |
|  |  | female 16-24 | 1.074 | 0.060 | 1.3 | 0.203 | 0.96 | 1.20 |
|  |  | female 25-34 | 1.154 | 0.062 | 2.7 | 0.008 | 1.04 | 1.28 |
|  |  | female 35-44 | 1.142 | 0.062 | 2.5 | 0.014 | 1.03 | 1.27 |
|  |  | female 45-54 | 1.235 | 0.065 | 4.0 | 0.000 | 1.11 | 1.37 |
|  |  | female 55-64 | 1.622 | 0.086 | 9.1 | 0.000 | 1.46 | 1.80 |
|  |  | female 65+ | 2.276 | 0.125 | 15.0 | 0.000 | 2.04 | 2.53 |
| Socio-economic group | NS SEC 1-2: |  |  |  |  |  |  |  |
|  | Higher social groups | NS SEC 3-5: Middle social groups | 1.181 | 0.027 | 7.3 | 0.000 | 1.13 | 1.24 |
|  |  | NS SEC 6-8: Lower social groups | 1.335 | 0.041 | 9.5 | 0.000 | 1.26 | 1.42 |




| 3. Ethnicity central | 1.212 | 0.063 | 3.7 | 0.000 | 1.09 | 1.34 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 4. Multicultural metropolitans | 1.144 | 0.042 | 3.7 | 0.000 | 1.06 | 1.23 |
| 5. Urbanities | 1.099 | 0.029 | 3.5 | 0.000 | 1.04 | 1.16 |
| 6. Sub urbanities <br> 7. Constrained city | 1.049 | 0.026 | 1.9 | 0.055 | 1.00 | 1.10 |
| dwellers | 1.185 | 0.042 | 4.9 | 0.000 | 1.11 | 1.27 |
| 8. Hard pressed living | 1.191 | 0.033 | 6.3 | 0.000 | 1.13 | 1.26 |
| Outdoors sub-domain score of MSOA (IMD) | 1.078 | 0.025 | 3.2 | 0.001 | 1.03 | 1.13 |
| Road distance to a general store in KM | 1.045 | 0.016 | 2.8 | 0.006 | 1.01 | 1.08 |
| \% working age population in MSOA claiming out of work benefits | 0.974 | 0.010 | -2.6 | 0.009 | 0.95 | 0.99 |
| \% individuals in MSOA belonging to ACORN category C | 1.201 | 0.051 | 4.3 | 0.000 | 1.10 | 1.31 |
| \% MSOA population born in UK (Census 2011) | 0.722 | 0.086 | -2.7 | 0.006 | 0.57 | 0.91 |
| Adult English language proficiency | 2.930 | 0.353 | 8.9 | 0.000 | 2.31 | 3.71 |
| Standardized international migration outflow of LA (ONS 2018) | 1.000 | 0.000 | -1.8 | 0.074 | 1.00 | 1.00 |
| Road traffic accidents indicator | 0.893 | 0.045 | -2.3 | 0.024 | 0.81 | 0.99 |
| Constant | 0.469 | 0.066 | -5.4 | 0.000 | 0.36 | 0.62 |
|  | -5.176 | 0.263 |  |  | -5.69 | -4.66 |
|  | 7.5\% | 0.010 |  |  | 0.06 | 0.10 |
| Proportion of the total variance contributed by Local Authority | 0.2\% | 0.000 |  |  | 0.00 | 0.00 |

Table B4. Activity for individual Local Authorities: Wakefield, Leicester and Epsom and Ewell

| Variable label | Reference category | Category | Wakefield Dep var: inactivity | Leicester Dep var: activity | Epsom and Ewell - Dep var: activity |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Age by gender | male 16-34 | male 25-34 | 0.239** | 2.308 | 0.372 |
|  |  |  | (0.168) | (1.548) | (0.329) |
|  |  | male 45-54 | 2.130 | 0.241** | 0.250 |
|  |  |  | (2.028) | (0.164) | (0.229) |
|  |  | male 55-64 | 2.113 | 0.213** | 0.316 |
|  |  |  | (1.746) | (0.149) | (0.324) |
|  |  | male 65+ | 2.551 | 0.703 | 0.0537*** |
|  |  |  | (3.132) | (0.600) | (0.0592) |
|  |  | female 16-34 | 0.968 | 0.287*** | 0.302 |
|  |  |  | (0.616) | (0.136) | (0.269) |
|  |  | female 35-44 | 0.342 | 0.654 | 0.252 |
|  |  |  | (0.314) | (0.399) | (0.213) |
|  |  | female 45-54 | 2.094 | 0.396 | 0.166** |
|  |  |  | (1.660) | (0.305) | (0.147) |


|  |  | female 55-64 | $\begin{gathered} 1.146 \\ (1.070) \end{gathered}$ | $\begin{gathered} 0.305 \\ (0.264) \end{gathered}$ | $\begin{aligned} & 0.165 * \\ & (0.166) \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | female 65+ | 1.550 | 0.0814*** | 0.132* |
|  |  |  | (1.869) | (0.0703) | (0.136) |
| NS-SEC | NS SEC 1-2: <br> Higher social groups | NS SEC 3-5: Middle social groups | 0.765 | 1.246 | 1.145 |
|  |  |  | (0.491) | (0.701) | (0.630) |
|  |  | NS SEC 6-8: Lower social groups | 0.583 | 2.117 | 0.716 |
|  |  |  | (0.478) | (1.434) | (0.664) |
|  |  | NS SEC 9: Students and other / unclassified | 9.108 | 0.521 | 0.945 |
|  |  |  | (12.45) | (0.428) | (1.341) |
|  |  | Aged <16 or 75+ | 1.040 | 1.270 | 0.662 |
|  |  |  | (0.691) | (1.136) | (0.349) |
| Fieldwork quarter | Q25 | Q26 | 1.687 | 0.902 | 0.555 |
|  |  |  | (1.524) | (0.749) | (0.454) |
|  |  | Q27 | 0.524 | 1.501 | 0.677 |
|  |  |  | (0.434) | (1.031) | (0.538) |
|  |  | Q28 | 4.945* | 0.341 | 0.255 |
|  |  |  | (4.577) | (0.225) | (0.220) |
|  |  | Q29 | 0.626 | 0.812 | 0.801 |
|  |  |  | (0.565) | (0.564) | (0.693) |
|  |  | Q30 | 0.248 | 1.655 | 1.588 |
|  |  |  | (0.323) | (1.195) | (1.388) |
|  |  | Q31 | 1.277 | 2.376 | 1.501 |
|  |  |  | (1.286) | (1.956) | (1.173) |
|  |  | Q32 | 4.266* | 2.887 | 1.356 |
|  |  |  | (3.401) | (2.199) | (1.139) |
|  |  | Q33 | 4.057* | 1.015 | 0.915 |
|  |  |  | (3.400) | (0.783) | (0.736) |
|  |  | Q34 | 0.896 | 1.336 | 0.507 |
|  |  |  | (0.734) | (0.988) | (0.398) |
|  |  | Q35 | 4.348 | 1.959 | 0.727 |
|  |  |  | (4.065) | (1.495) | (0.636) |
|  |  | Q36 | 1.568 | 1.615 | 0.940 |
|  |  |  | (1.383) | (1.173) | (0.724) |
| Whether has a disability | Limiting disability | Non-limiting disability | 0.399* | 1.431 | 1.947 |
|  |  |  | (0.218) | (0.752) | (0.924) |
|  |  | No disability | 0.618 | 1.055 | 1.883 |
|  |  |  | (0.270) | (0.473) | (0.804) |
| Ethnicity | White British | White other+mixed | 2.439 | 0.980 | 1.282 |
|  |  |  | (1.733) | (0.556) | (0.702) |
|  |  | Asian+Chinese | 15.9*** | 0.713 | 0.503 |
|  |  |  | (24.4) | (0.296) | (0.262) |
|  |  | Black+other | 4.435 | 0.403* | 0.539 |
|  |  |  | (4.107) | (0.220) | (0.498) |
| Highest qual | Level 4 | Level 3 and equivalents | 1.786 | 0.932 | 2.148 |
|  |  |  | (1.062) | (0.403) | (1.052) |
|  |  | Level 2 and equivalents | 1.964 | 3.551*** | 1.231 |
|  |  |  | (0.947) | (1.686) | (0.588) |
|  |  | Level 1 and below | 3.432 | 0.487 | 16.43 |
|  |  |  | (3.392) | (0.389) | (32.78) |


in last 12
months

${ }^{* * *} \mathrm{p}<0.01,{ }^{* *} \mathrm{p}<0.05,{ }^{*} \mathrm{p}<0.1$

## Appendix C: List of potential covariates

Below is a list of all the covariates considered for each of the models. Only variables that were significantly related to the outcome were include in the final model.

| Variable name | Variable label | Source |
| :---: | :---: | :---: |
| Gend3 | Gender - three bands | ALS survey 2018 |
| AGE | Age of respondent | ALS survey 2018 |
| Age8 | Age - eight bands | ALS survey 2018 |
| DVAgeGroup | Age group | ALS survey 2018 |
| WTAgeGend | WTDV: Gender by age groups with imputation | ALS survey 2018 |
| Disab3 | Disability: whether (limiting) disability | ALS survey 2018 |
| Disab2_POP | Physically limiting disability (REBASED) | ALS survey 2018 |
| Impair4 | Limiting disability: Number of limiting impairments | ALS survey 2018 |
| Eth7 | Ethnicity - grouped | ALS survey 2018 |
| Eth2 | Ethnicity - White British vs other | ALS survey 2018 |
| WTethnic | WTDV: Binary white, other ethnicity | ALS survey 2018 |
| NSSEC | DV: NS-SEC 5 main categories self coded | ALS survey 2018 |
| NSSEC5 | WTDV: NS-SEC 5 main categories self coded | ALS survey 2018 |
| educ | Highest educational qualification | ALS survey 2018 |
| Educ6 | Highest qualification level | ALS survey 2018 |
| study | Currently studying | ALS survey 2018 |
| EducStud2 | Whether in education | ALS survey 2018 |
| WorkStat10 | Working status - 10 bands | ALS survey 2018 |
| WorkStat5 | Working status - 5 bands | ALS survey 2018 |
| evwrk | Ever worked | ALS survey 2018 |
| socemp | Employee or self-employed | ALS survey 2018 |
| socsup | Responsibility for supervising others | ALS survey 2018 |
| socne | Number of employees | ALS survey 2018 |
| occup | Job type | ALS survey 2018 |
| NSOrgemp | DV: NS-SEC employment status/size of organisation | ALS survey 2018 |
| retire | Which year did you leave your last paid job | ALS survey 2018 |
| leftch | Do you have any children (of any age, including adults) who no longer live with you? | ALS survey 2018 |
| nADULT | Number of adults (16+) in household | ALS survey 2018 |
| nCHILD | Number of children (0-15) in household | ALS survey 2018 |
| Child4 | Number of children in household | ALS survey 2018 |
| WTNum1415 | WTDV: Number of children aged 14-15 in household | ALS survey 2018 |
| WTNumAd | WTDV: Binary number of adults in household | ALS survey 2018 |
| Club_ALL | Whether a member of a sport or fitness club or gym | ALS survey 2018 |

CULFRQ_1_8_POP

CULFRQ_1_9_POP2
CULFRQ_1_11_POP

CULFRQ_1_7811_POP

CULMTH_1_8_POP

CULMTH_1_9_POP
CULMTH_1_11_POP

CULMTH_1_7811_POP
Reg9
LondlnOut
CoastComm
IMDscore
INCscore
EMPscore
EDUscore
HLTscore
CRIscore
HOUscore
ENVscore
IDACIscore
IDAOPIscore
CYPSDscore
SKILLSDscore
GEOSDscore
BARSDscore
INDSDscore
OUTSDscore
midpop2012_0_15
midpop2012_16_59
midpop2012_60pl
inddep_indiv
incdep_child
incdep_older
EmpDomNum
educationpost16
entryhighered
adult_english_prof
lifelostindicator
disabilityindicator

How many times in past 12 months: Attended an event, performance or festival involving creative, artistic, dance, theatrical or music activity (REBASED)

Sports spectating at least twice in last year (KPI9)
How many times in past 12 months: Attended a museum or gallery (REBASED)
How many times in past 12 months: Attended an arts event, museum or gallery or spent time doing an arts activity (COMBINED and REBASED)
Past 4 weeks: Attended an event, performance or festival involving creative, artistic, dance, theatrical or music activity (REBASED)
Past 4 weeks: Attended a live sports event (REBASED)
Past 4 weeks: Attended a museum or gallery (REBASED)
Past 4 weeks: Attended an arts event, museum or gallery or spent time doing an arts activity (COMBINED and REBASED)
Region- 9 groups
London - Inner / Outer split
Coastal Community

ALS survey 2018

ALS survey 2018
ALS survey 2018

ALS survey 2018

ALS survey 2018

ALS survey 2018
ALS survey 2018

ALS survey 2018

ALS survey 2018
ALS survey 2018
ALS survey 2018
Deprivation indices 2015, and sources
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Deprivation indices 2015, and sources
Deprivation indices 2015, and sources

| morbidityindicator | Deprivation indices 2015, and sources |
| :--- | :--- |
| anxietyindicator | Deprivation indices 2015, and sources |
| kmto_post | Deprivation indices 2015, and sources |
| kmto_school | Deprivation indices 2015, and sources |
| kmto_store | Deprivation indices 2015, and sources |
| knto_gp | Deprivation indices 2015, and sources |
| overcrowing | Deprivation indices 2015, and sources |
| homelessness | Deprivation indices 2015, and sources |
| houseafford | Deprivation indices 2015, and sources |
| housepoor | Deprivation indices 2015, and sources |
| housenoheat | Deprivation indices 2015, and sources |
| airquality | Deprivation indices 2015, and sources |
| roadaccidents | Deprivation indices 2015, and sources |
| RUC11CD | ONS |
| Child_development | Public Health England 2017 |
| Crude_fertility_rate | Public Health England 2017 |
| GCSE_achievement | Public Health England 2017 |
| Low_birth_weight | Public Health England 2017 |
| Obese_Y6_kids | Public Health England 2017 |
| OutOfWork_claimants | Public Health England 2017 |
| English_proficiency | Public Health England 2017 |
| Provide_care | Public Health England 2017 |
| healthy_life_m | Public Health England 2017 |
| Hospital_stays_alcohol | Public Health England 2017 |
| Admissions_all | Public Health England 2017 |
| Incidence_cancer_all | Public Health England 2017 |
| x001 | Census 2011 data |


| x002 | Census 2011 data |
| :---: | :---: |
| census_0_15 | Census 2011 data |
| census_16_24 | Census 2011 data |
| census_25_34 | Census 2011 data |
| census_35_44 | Census 2011 data |
| census_45_54 | Census 2011 data |
| census_55_64 | Census 2011 data |
| census_65_74 | Census 2011 data |
| census_75plus | Census 2011 data |
| census_males | Census 2011 data |
| census_white | Census 2011 data |
| census_ukborn | Census 2011 data |
| census_christian | Census 2011 data |
| census_noreligion | Census 2011 data |
| census_working | Census 2011 data |
| census_unemployed | Census 2011 data |
| census_retired | Census 2011 data |
| census_student | Census 2011 data |
| census_homemaker | Census 2011 data |
| census_SIC_A | Census 2011 data |
| census_SIC_B | Census 2011 data |
| census_SIC_C | Census 2011 data |
| census_SIC_D | Census 2011 data |
| census_SIC_E | Census 2011 data |
| census_SIC_F | Census 2011 data |
| census_SIC_G | Census 2011 data |
| census_SIC_H | Census 2011 data |
| census_SIC_I | Census 2011 data |
| census_SIC_J | Census 2011 data |
| census_SIC_K | Census 2011 data |
| census_SIC_L | Census 2011 data |
| census_SIC_M | Census 2011 data |
| census_SIC_N | Census 2011 data |
| census_SIC_O | Census 2011 data |
| census_SIC_P | Census 2011 data |
| census_SIC_Q | Census 2011 data |
| census_llti | Census 2011 data |
| census_noQual | Census 2011 data |
| census_level1Qual | Census 2011 data |
| census_level2Qual | Census 2011 data |
| census_ApprenticeQual | Census 2011 data |
| census_level3Qual | Census 2011 data |
| census_level4Qual | Census 2011 data |
| census_nssec_1_2 | Census 2011 data |
| census_NSSEC_3 | Census 2011 data |
| census_NSSEC_4 | Census 2011 data |


| census_NSSEC_5 |  | Census 2011 data |
| :---: | :---: | :---: |
| census_NSSEC_6 |  | Census 2011 data |
| census_NSSEC_7 |  | Census 2011 data |
| census_NSSEC_8 |  | Census 2011 data |
| census_ownerocc |  | Census 2011 data |
| census_rent_socal |  | Census 2011 data |
| census_rent_private |  | Census 2011 data |
| census_Dwelling_Detached |  | Census 2011 data |
| census_Dwelling_Semidetached |  | Census 2011 data |
| census_Dwelling_Terrace |  | Census 2011 data |
| census_Dwelling_Flat_Purpose |  | Census 2011 data |
| census_Dwelling_Flat_Converted |  | Census 2011 data |
| census_Dwelling_Flat_Commercial |  | Census 2011 data |
| census_Dwelling_Mobile |  | Census 2011 data |
| census_depchildren |  | Census 2011 data |
| census_nocars |  | Census 2011 data |
| census_TTW_home |  | Census 2011 data |
| census_TTW_underground_tram |  | Census 2011 data |
| census_TTW_train |  | Census 2011 data |
| census_TTW_bus_coach |  | Census 2011 data |
| census_TTW_taxi |  | Census 2011 data |
| census_TTW_motorbike |  | Census 2011 data |
| census_TTW_car_van |  | Census 2011 data |
| census_TTW_passenger |  | Census 2011 data |
| census_TTW_bike |  | Census 2011 data |
| census_TTW_foot |  | Census 2011 data |
| census_TTW_Other |  | Census 2011 data |
| census_TTW_No_Work |  | Census 2011 data |
| Acorn_Category |  | ACORN 2017 |
| Acorn_Group |  | ACORN 2017 |
| Acorn_Type |  | ACORN 2017 |
| Acorn_pCat1 |  | ACORN 2017 |
| Acorn_pCat2 |  | ACORN 2017 |
| Acorn_pCat3 |  | ACORN 2017 |
| Acorn_pCat4 |  | ACORN 2017 |
| Acorn_pCat5 |  | ACORN 2017 |
| Acorn_pCat6 |  | ACORN 2017 |
| popdens | Population density | Census/Geog info |
| std_inflow | standardized international inflows | ONS 2018 |
| std_outflow | standardized international outflows | ONS 2018 |


| non_uk_born | standardized non uk born | ONS 2018 |
| :--- | :--- | :--- |
| nonbritish | standardized non British | ONS 2018 |
| Inawarded_sum | Nat log of awarded sum at LA level | Sport England 2017-2018 |
| Indisbursed_sum | Nat log of expenditure on grants at LA level | Sport England 2017-2018 |
| Inexp_grants | Nat log of disbursed sum at LA level | Sport England 2017-2018 |
| ONS_SuperGroup | ONS 2018 | ONS 2018 |
| la_public_parks | Proportions of people living in 10 mins walk <br> from parks at LA level <br> Proportions of people living in 10 mins walk <br> from fitness facilites at LA level | Ordnance Survey data 2018 |
| la_fitness_fa~s | Proportions of people living in 10 mins walk <br> from sport facilites at LA level | Ordnance Survey data 2018 |
| la_sport_faci~s |  |  |

## For more information

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## About Ipsos MORI's Social Research Institute

The Social Research Institute works closely with national governments, local public services and the not-for-profit sector. Its c. 200 research staff focus on public service and policy issues. Each has expertise in a particular part of the public sector, ensuring we have a detailed understanding of specific sectors and policy challenges. This, combined with our methods and communications expertise, helps ensure that our research makes a difference for decision makers and communities.


[^0]:    ${ }^{1}$ Following CMO guidelines

[^1]:    ${ }^{2}$ This set of data was provided by Sport England and covered information on grants awarded to various sport clubs and associations by Sport England.
    ${ }^{3}$ These data refer to the ONS "Local Area Migration Indicators Suite" 2018 and report among other information, the inflows and outflows of nonBritish individuals at Local Authority level.
    ${ }^{4}$ Ordnance Survey data provided by Sport England.
    ${ }^{5}$ These correspond to the latest ONS Area Classification segments, which describe the social composition of each Local Authority and are available also for lower geographical areas. Datasets - Office for National Statistics

[^2]:    ${ }^{6}$ The actual rates used for the comparison, are based on the 176,296 respondents mentioned in chapter 2 . For this reason, there may be discrepancies with the true rates used in this report and the published true rates.
    ${ }^{7}$ Reported for completeness in appendix B, along with standard errors, p -value and confidence intervals

[^3]:    ${ }^{8}$ Type I error is the probability of rejecting the null hypothesis when it should not be rejected, in other words saying that something is statistically significant at some significance level while in reality it is not.

