

Internet User Map Book



Internet User Map Book (Redcar and Cleveland / E06000003)

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Methodology

The Internet User Map Book presents small area estimates of likely responses to a range of questions derived from the Oxford Internet Survey (OXIS). This is an academic survey of Internet use in Britain, and has been run by the Oxford Internet Institute at the University of Oxford since 2003. The survey data used within this Map Book are from 2013. It is important to reiterate that the presented maps show estimates rather than counts of observed values, such as those that you might otherwise obtain through sources such as a population census.

For the purpose of estimation, the OXIS was profiled at the respondent level, with no aggregation to administrative geography. This retained the largest possible sample for analysis. The aim was to identify relationships in engagement patterns by categories of respondents in the OXIS. These respondent groups were formed by factors that have previously been shown to be good predictors of engagement with the Internet, including; age, rurality and socio-economic status. A decision tree model was applied to the OXIS data to calculate independent rates of engagement by these groups, as well as the statistical significance of these relationships, for any question of interest. The rates were then fitted to OAs by quantifying the structure of each OA by the identified groups, and estimating an overall rate based on this structure.

The predictors used in the models were kept constant and included age (5 categories), social grade (4 categories) and population density (5 categories). As such, this allowed for a theoretical maximum of 100 sub group estimates to be used in the calculation of OA level estimates. Results were validated by external profiling, including analysis by geodemographic classifications, comparisons against survey-derived statistics for more aggregate geography, mapping and visualisation. Estimates were also compared to those produced by a second independent team of researchers at the University of Oxford. Differences in terms of national, regional and local patterns were found to be minimal.

About the team

Alex Singleton (@alexsingleton) is Professor of Geographic Information Science in the Department of Geography at the University of Liverpool. He is Director of the Geographic Data Science Lab and Deputy Director of the ESRC Consumer Data Research Centre (CDRC). His research interests explore how social and spatial complexities of individual behaviours can be represented and understood within a framework of quantitative social science and computer modelling.

Dean Riddlesden (@deanriddlesden) has a background in spatial planning; holding two masters degrees from the University of Liverpool. His research explores how use and engagement with the Internet are differentiated across space and societal groups. His work employs a range of statistical modelling and data mining techniques with new and innovative data sources. Dean currently works as a Data Scientist for Walgreens Boots Alliance.

Mark Graham (@geoplace) is an Associate Professor and Senior Research Fellow at the Oxford Internet Institute, a Research Fellow at Green Templeton College, and an Associate in the University of Oxford School of Geography and the Environment. His research focuses on ICT for Development, Internet and Information Geographies, and Economic Transparency.

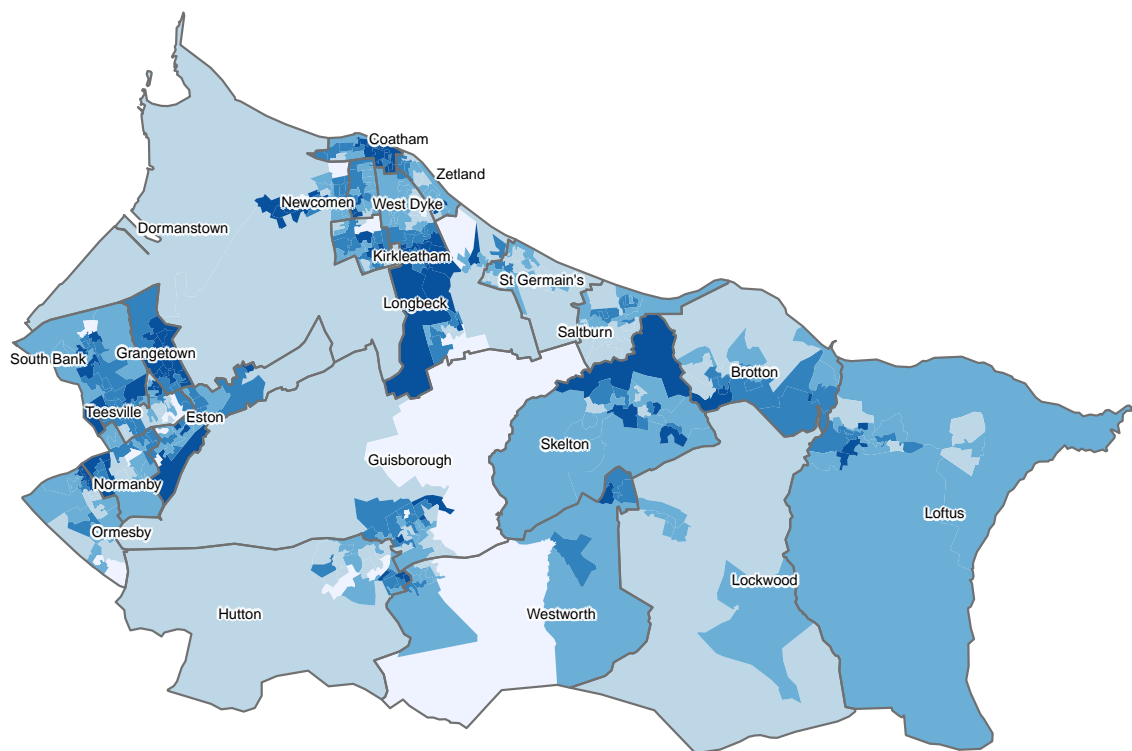
Grant Blank (@oiioxford) is a Survey Research Fellow at the Oxford Internet Institute. He is a sociologist who studies the social and cultural impact of the Internet and other new communication media. He is also interested in cultural sociology, especially reviews and cultural evaluation.

To learn more about the work of the Liverpool team, visit geographicdatascience.com, and the CDRC at cdrc.ac.uk. Information about the work of the Oxford team can be found by visiting cii.oii.ox.ac.uk or cii.oii.ox.ac.uk.

Acknowledgements

This research was funded as part of a number of ESRC grants including ES/L011840/1, ES/L003546/1 and ES/K00283X/1.

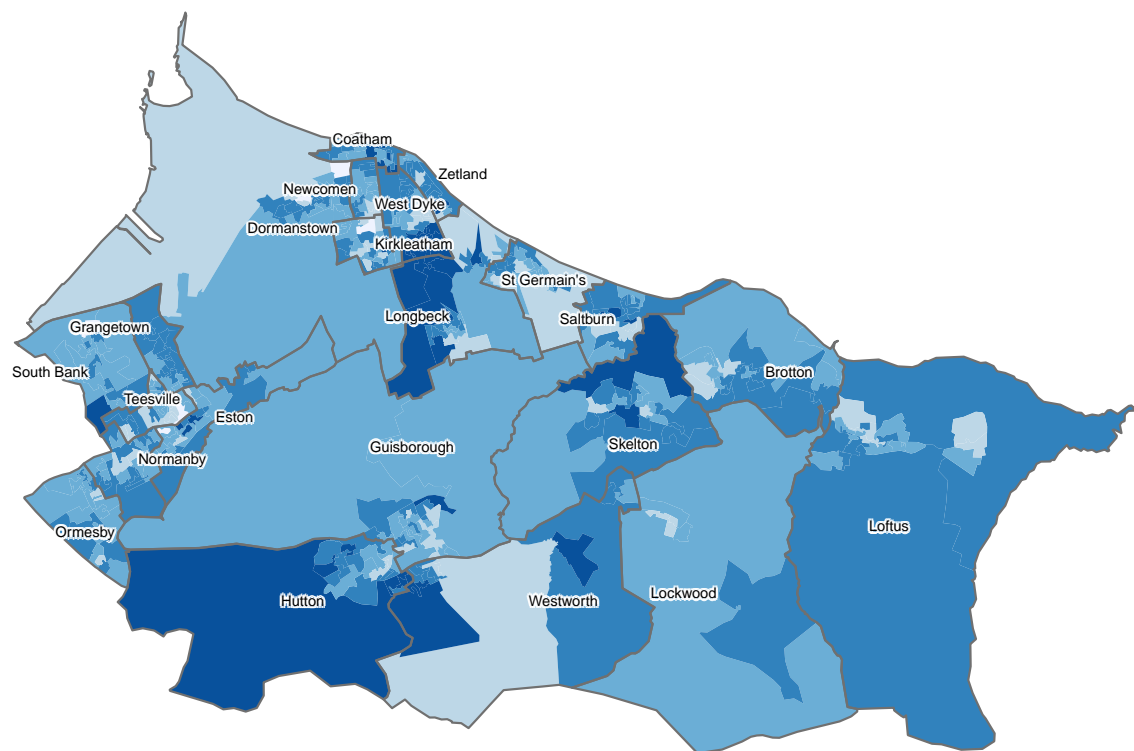
To cite this project, please use the following reference “Singleton, A.D., Riddlesden, D., Blank, G., Graham, M. (2015) Internet User Map Book. University of Liverpool: Consumer Data Research Centre (CDRC). Available online: <http://data.cdrc.ac.uk>.”



under 4.8% 4.8 to 6.5% 6.5 to 7.9% 7.9 to 9.3% over 9.3%

Figure 1: Persons who would seek information on a local MP through the Internet on a smartphone

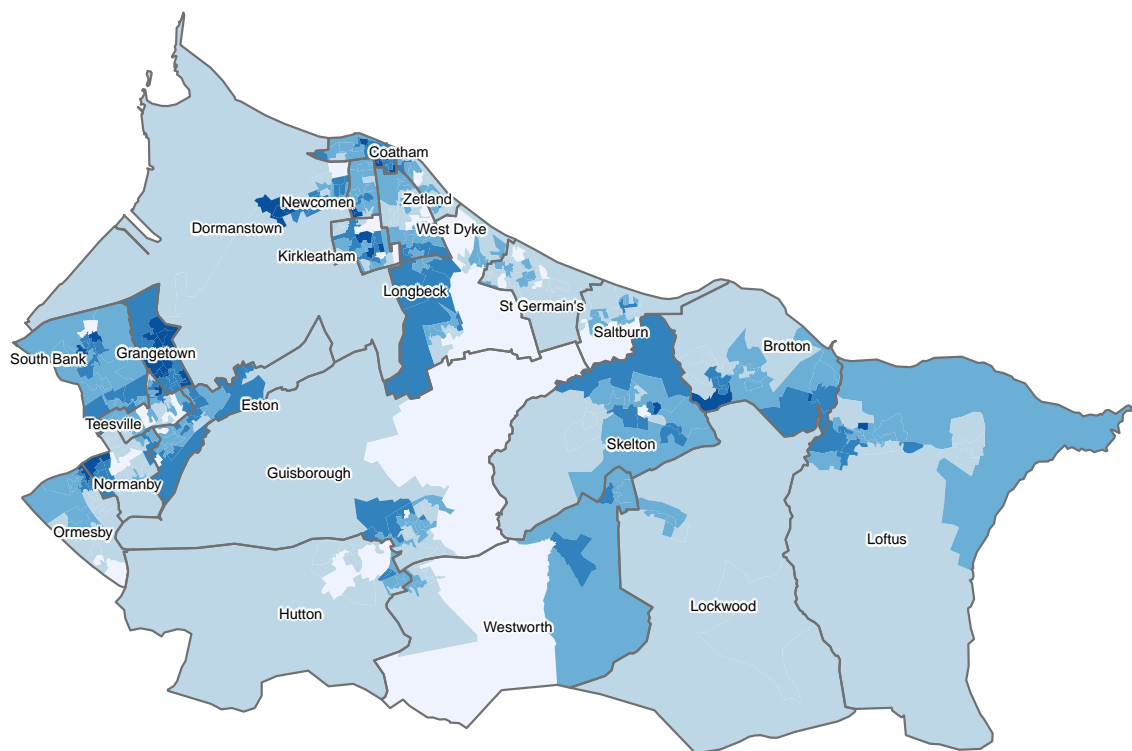
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under 32.3% 32.3 to 41.2% 41.2 to 45.6% 45.6 to 50% over 50%

Figure 2: Persons who would seek information on council tax through the Internet on a desktop/ laptop/ tablet

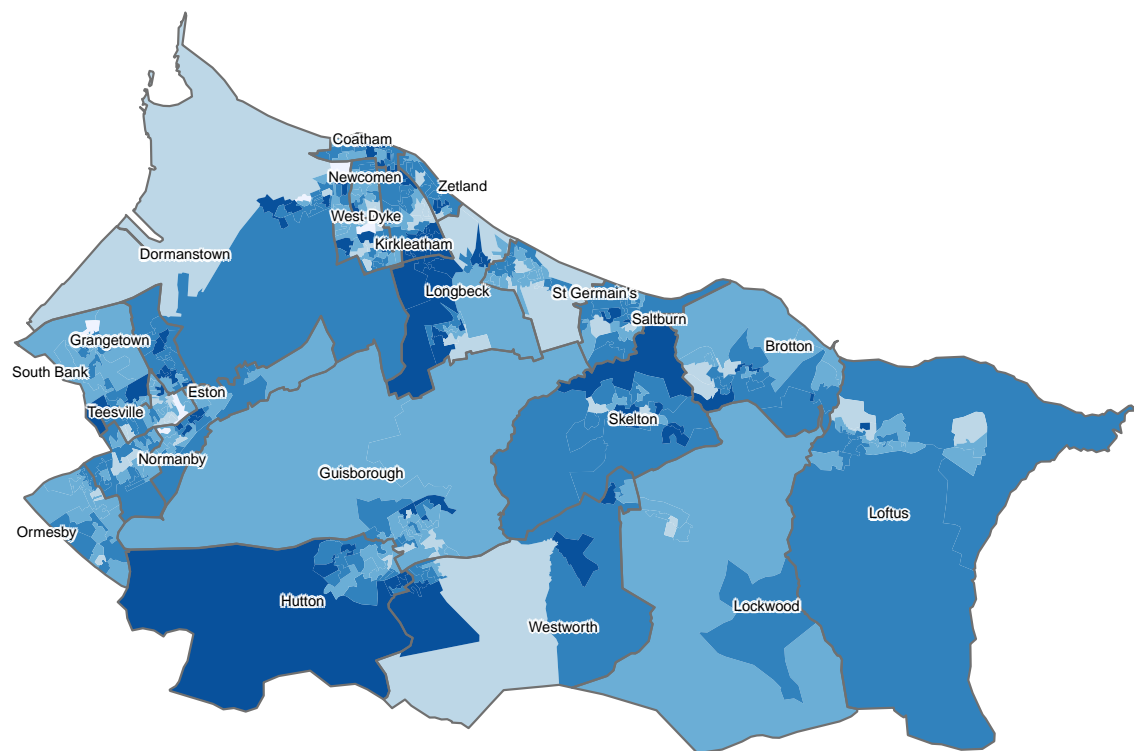
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under 3.6% 3.6 to 4.8% 4.8 to 5.9% 5.9 to 7.2% over 7.2%

Figure 3: Persons who would seek information on council tax through the Internet on a smartphone

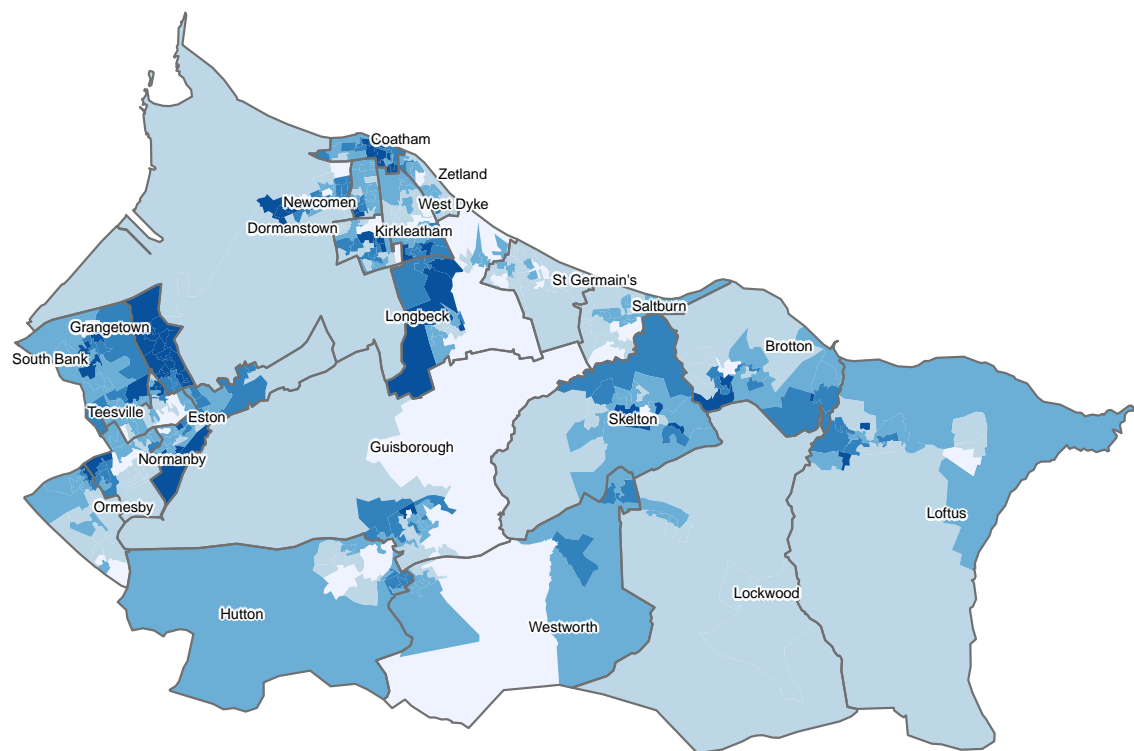
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under 43.4% 43.4 to 53% 53 to 57.9% 57.9 to 62.4% over 62.4%

Figure 4: Persons who would seek information on a holiday or journey through the Internet on a desktop/ laptop/ tablet

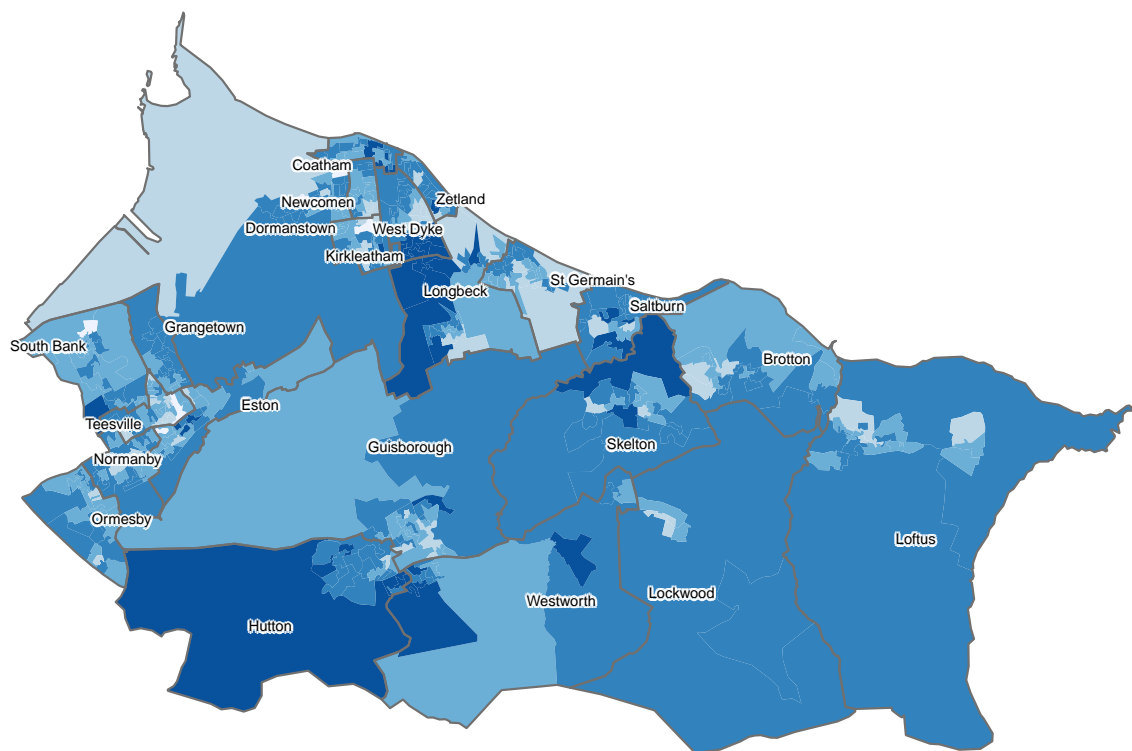
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under 4.5% 4.5 to 5.6% 5.6 to 6.4% 6.4 to 7.4% over 7.4%

Figure 5: Persons who would seek information on a holiday or journey through the Internet on a smartphone

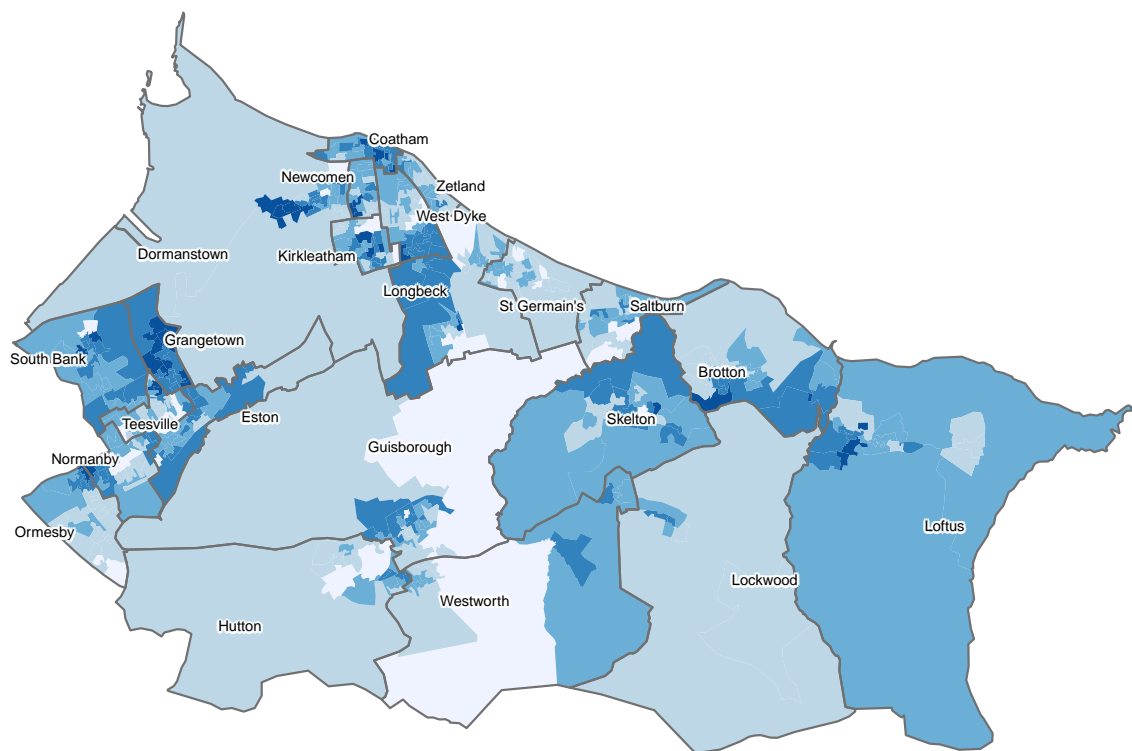
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under 48.9% 48.9 to 57.9% 57.9 to 62.6% 62.6 to 67.5% over 67.5%

Figure 6: Persons who would seek information on a topic/ professional project through the Internet on a desktop/ laptop/ tablet

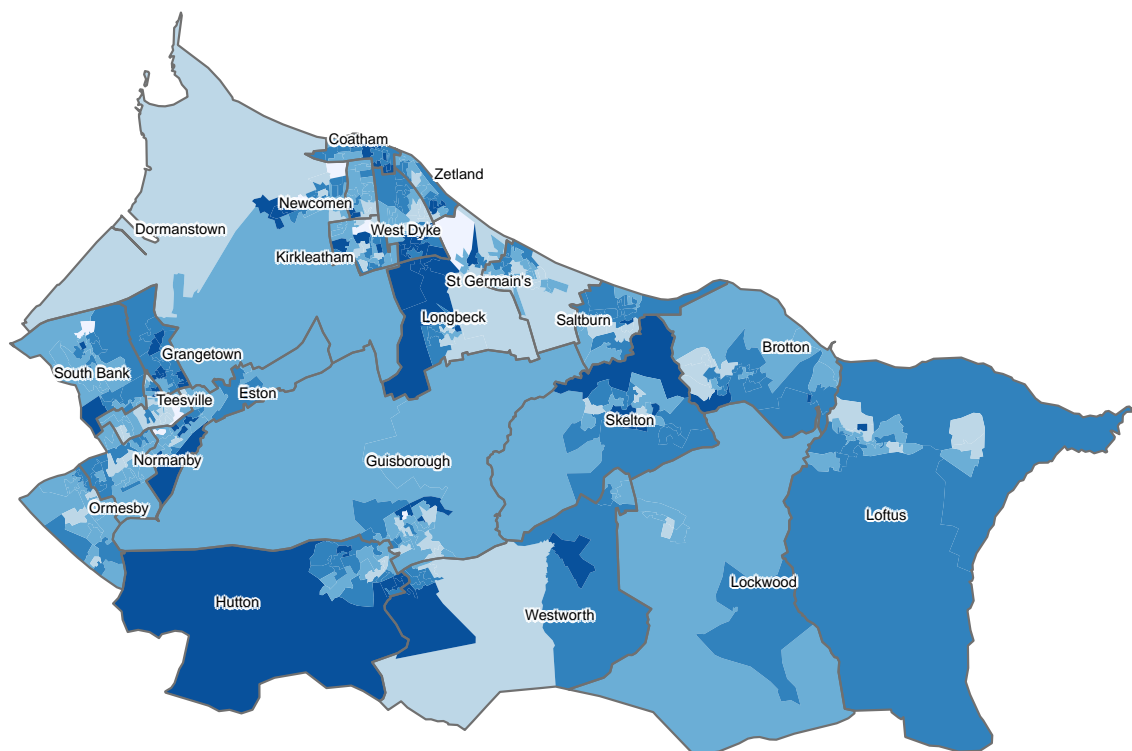
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under 3.5% 3.5 to 4.4% 4.4 to 5.2% 5.2 to 6.1% over 6.1%

Figure 7: Persons who would seek information on a topic/ professional project through the Internet on a smartphone

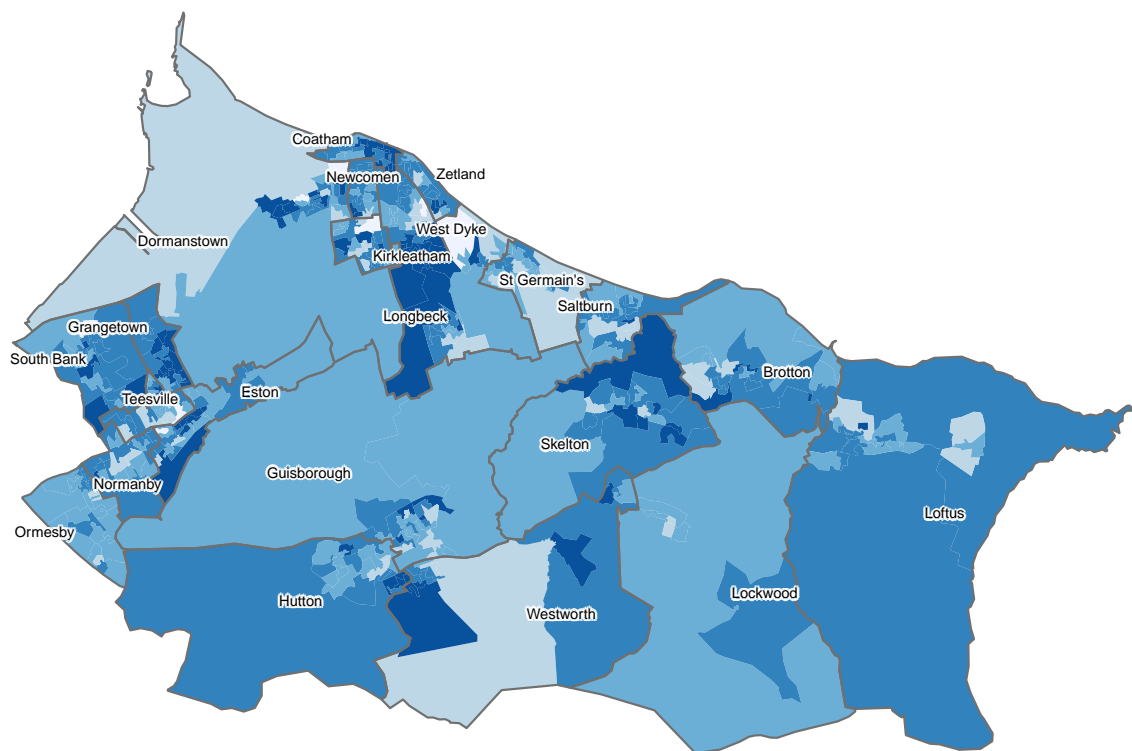
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under 58.9% 58.9 to 68.8% 68.8 to 74.5% 74.5 to 79.7% over 79.7%

Figure 8: Persons who indicate the Internet is important for information

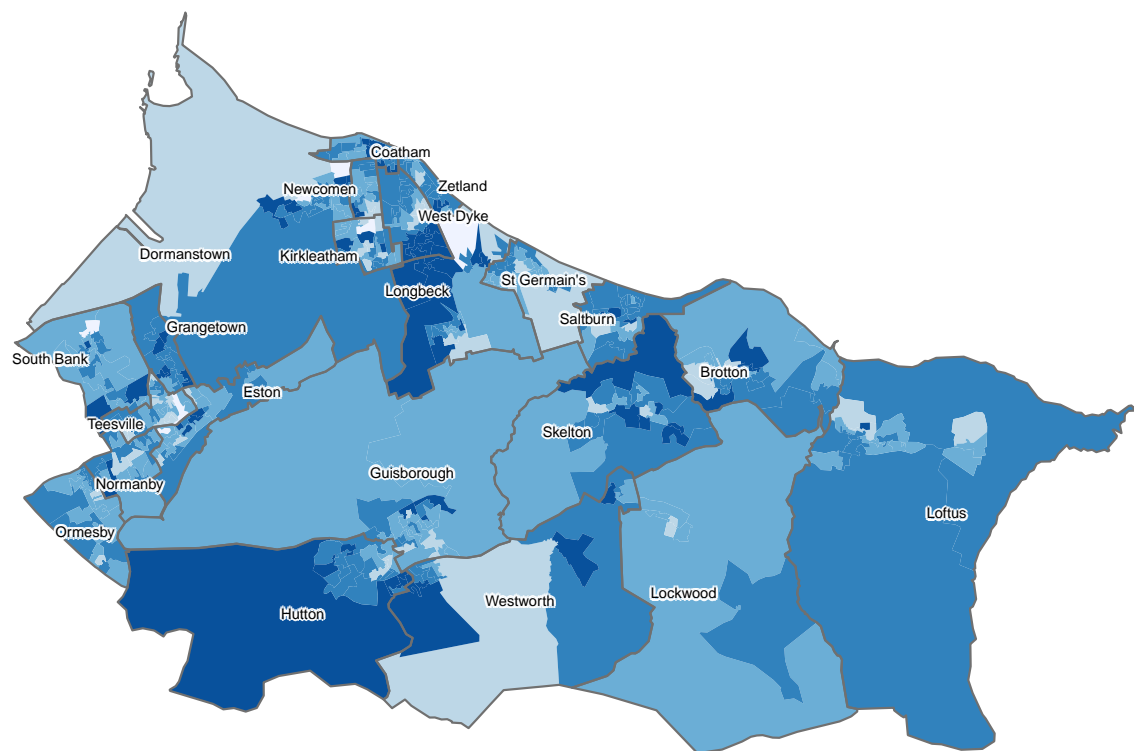
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under 49.7% 49.7 to 58% 58 to 63.5% 63.5 to 68.9% over 68.9%

Figure 9: Persons who indicate the Internet is important for entertainment

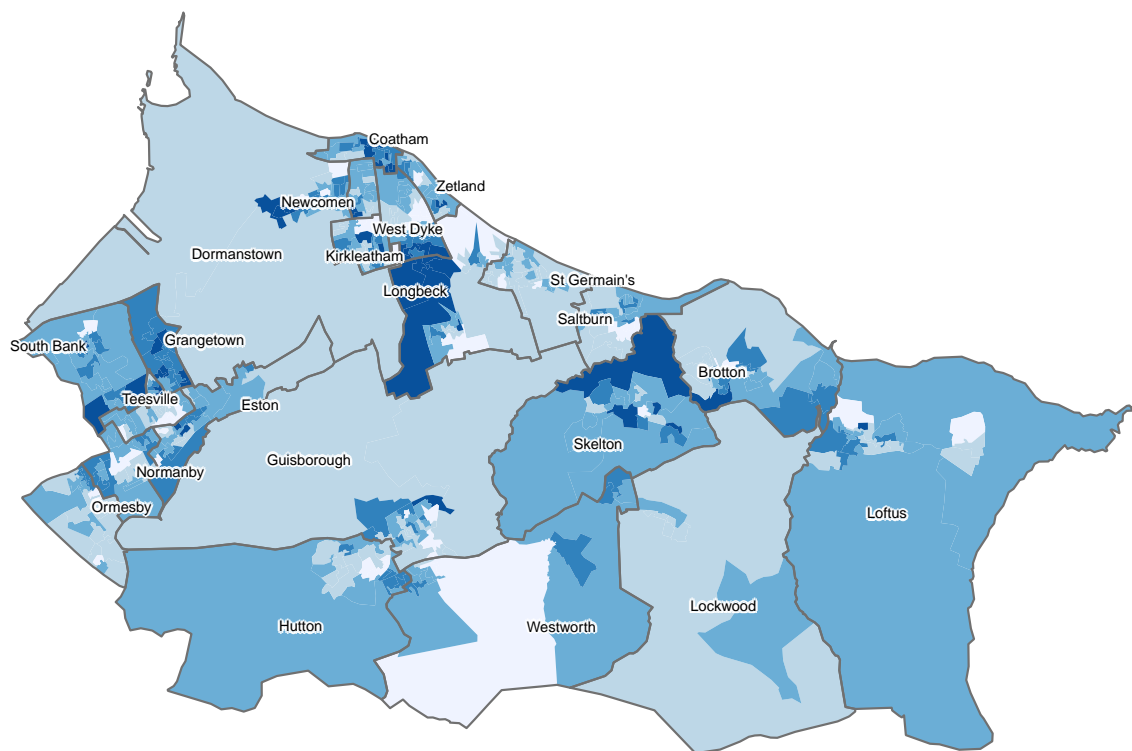
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under 54.1% 54.1 to 63% 63 to 68.6% 68.6 to 73.6% over 73.6%

Figure 10: Persons indicating they are Interested in the Internet

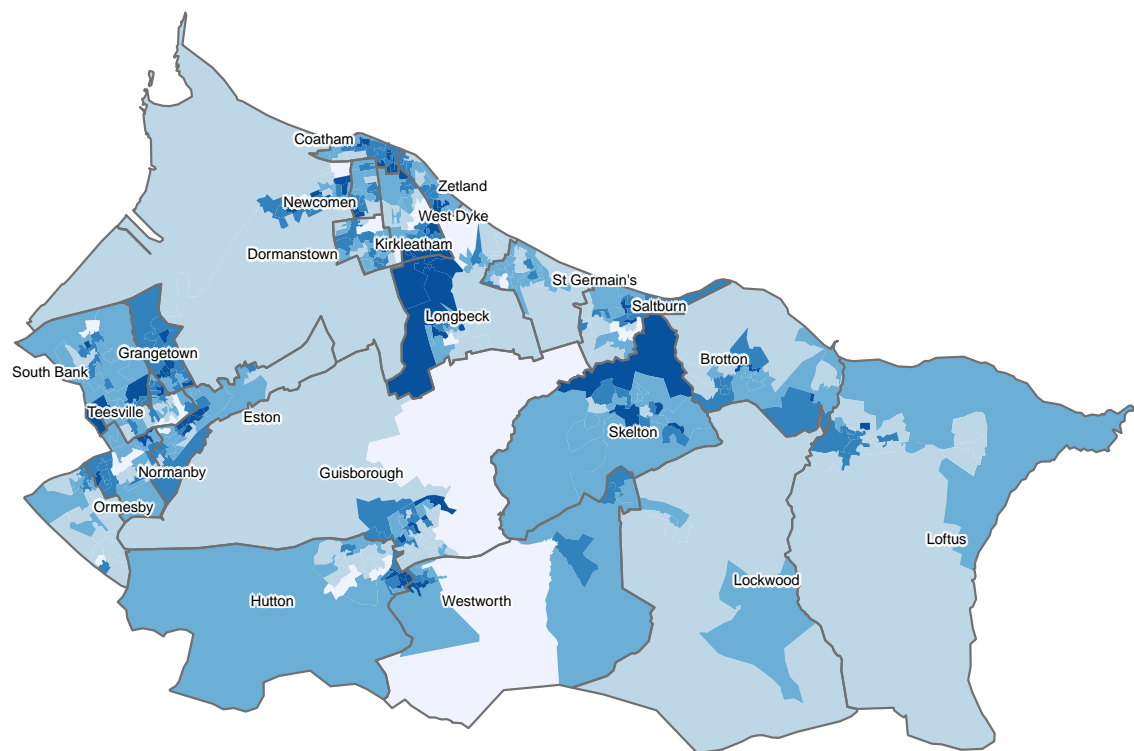
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under 36.4% 36.4 to 42.8% 42.8 to 47.9% 47.9 to 53% over 53%

Figure 11: Persons who use the Internet while travelling through a mobile/dongle

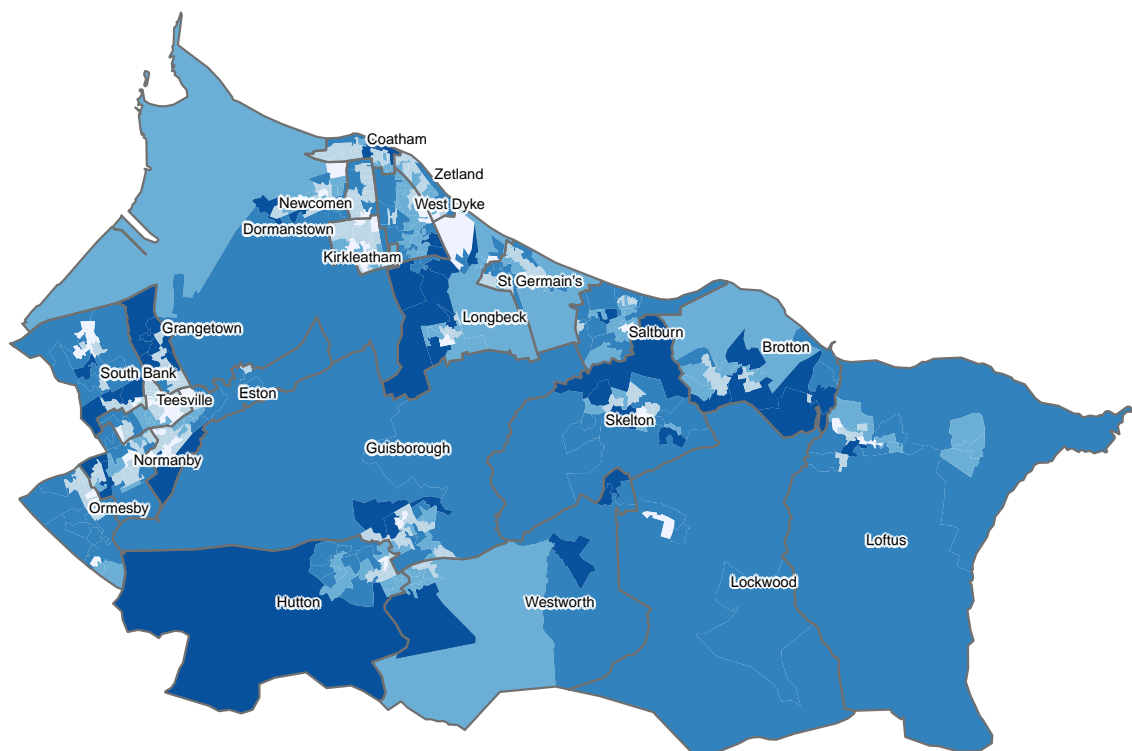
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under 15.2% 15.2 to 19.6% 19.6 to 23.1% 23.1 to 26.9% over 26.9%

Figure 12: Persons who have found a job through the Internet

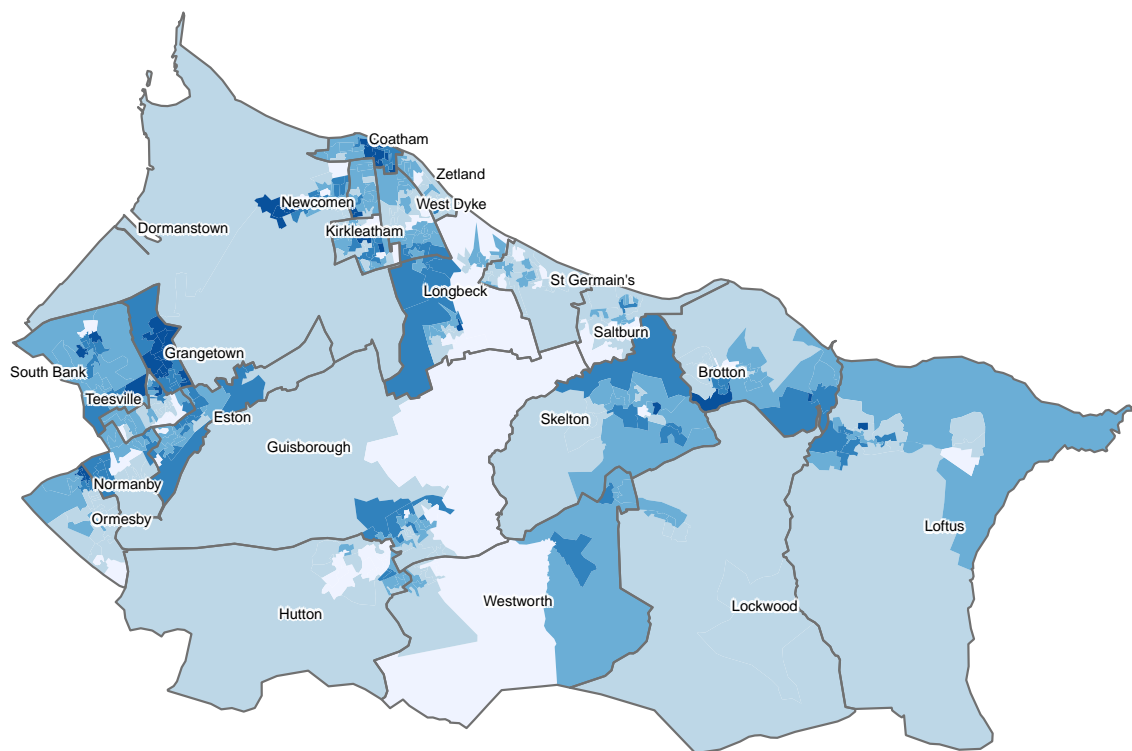
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under 67.6% 67.6 to 69.5% 69.5 to 71.9% 71.9 to 74.7% over 74.7%

Figure 13: Persons who have saved money buying online

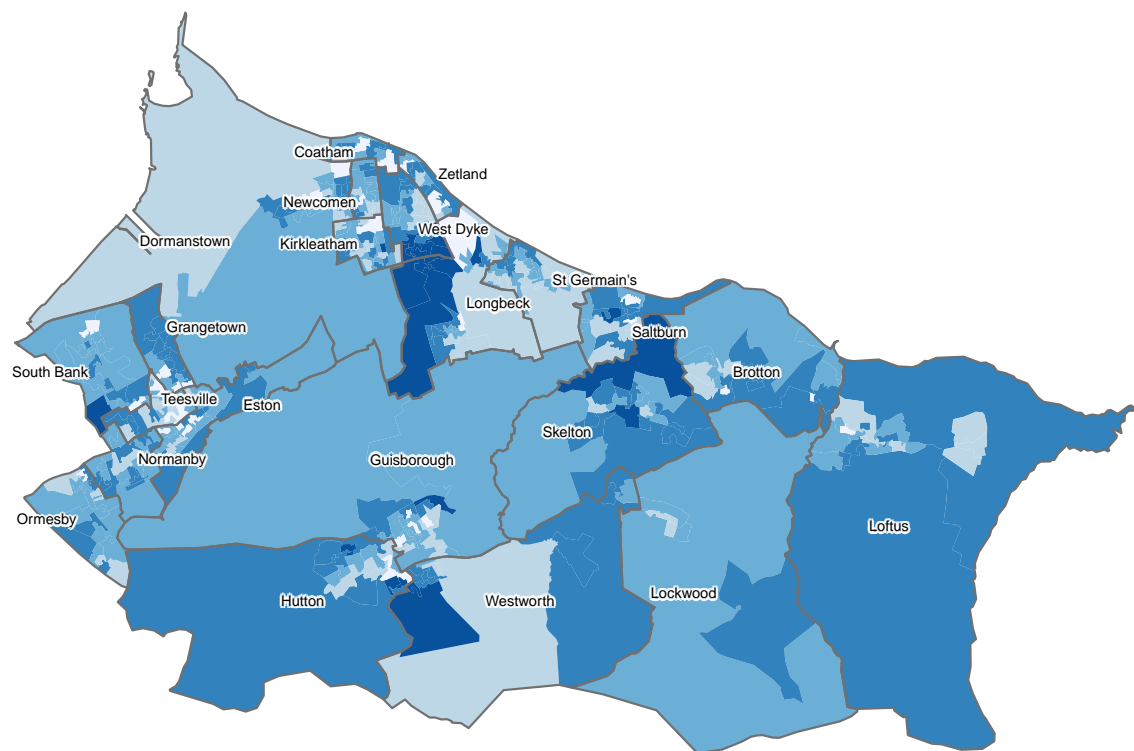
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under 10.1% 10.1 to 12.7% 12.7 to 15% 15 to 17.5% over 17.5%

Figure 14: Persons who mostly use their mobile phone for Internet access

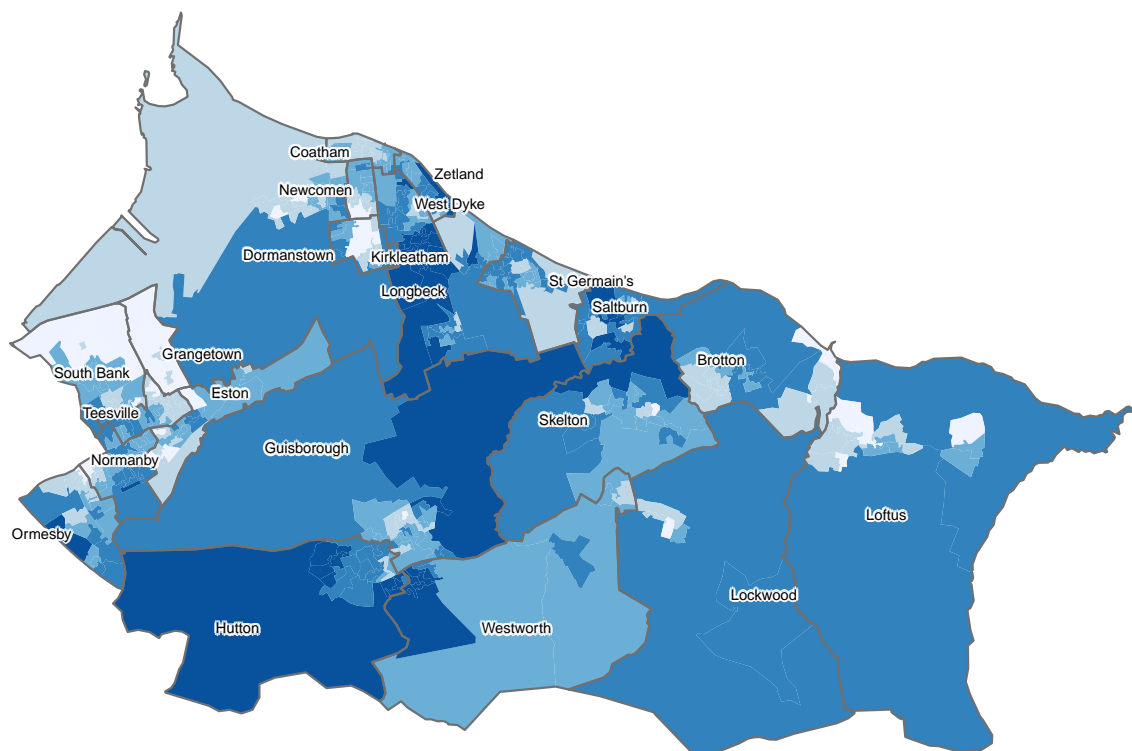
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under 47.3% 47.3 to 51.6% 51.6 to 54.2% 54.2 to 57.4% over 57.4%

Figure 15: Persons who frequently buy products online

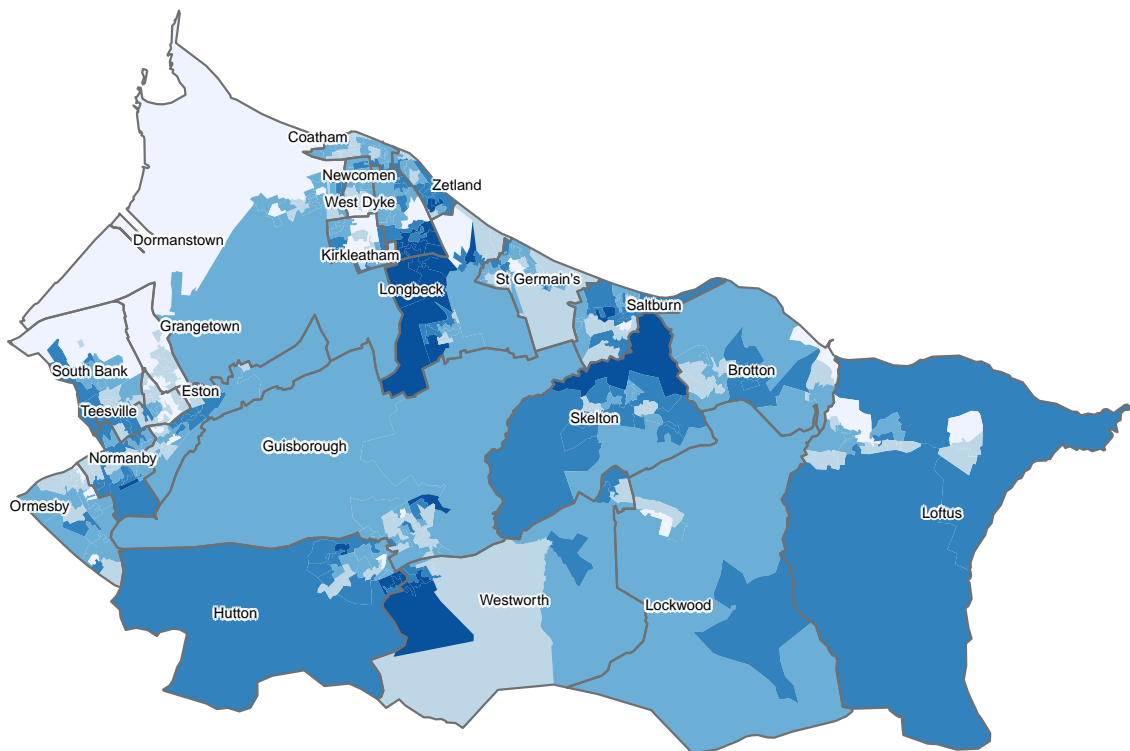
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under 36.1% 36.1 to 38.6% 38.6 to 40.8% 40.8 to 43% over 43%

Figure 16: Persons who frequently pay bills online

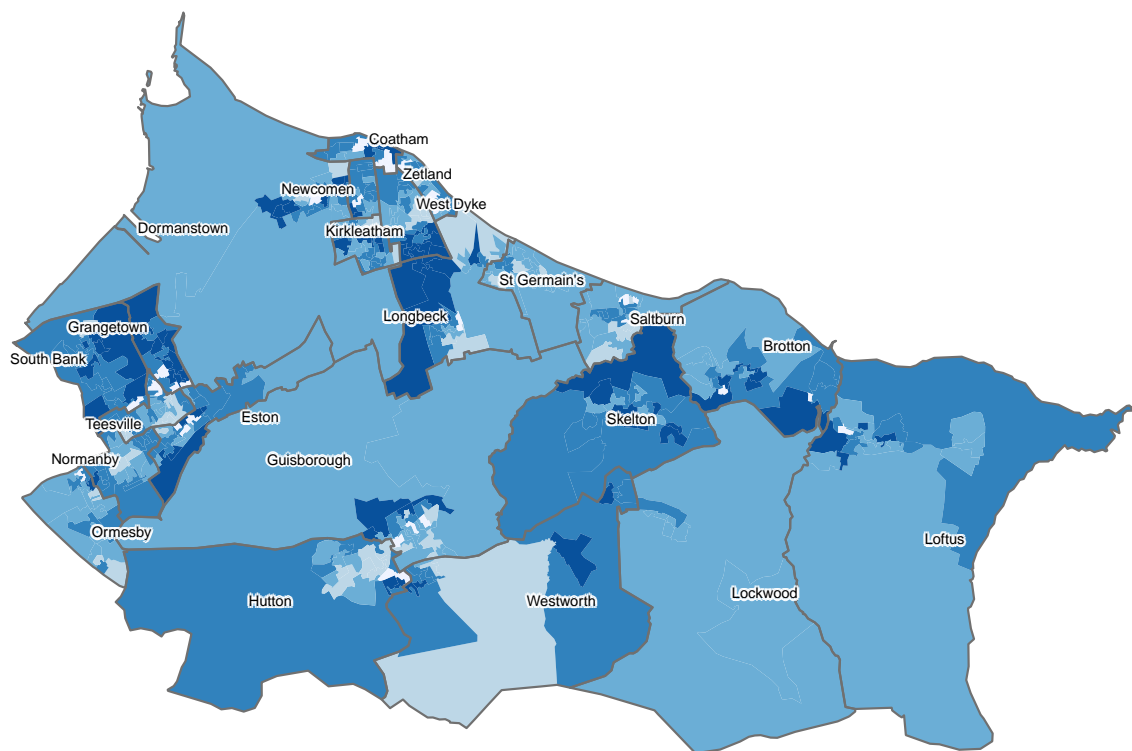
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under 48.8% 48.8 to 50.6% 50.6 to 52.4% 52.4 to 54.8% over 54.8%

Figure 17: Persons who frequently use online banking

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under 48.6% 48.6 to 60.3% 60.3 to 63% 63 to 65.2% over 65.2%

Figure 18: Persons who frequently compare prices online

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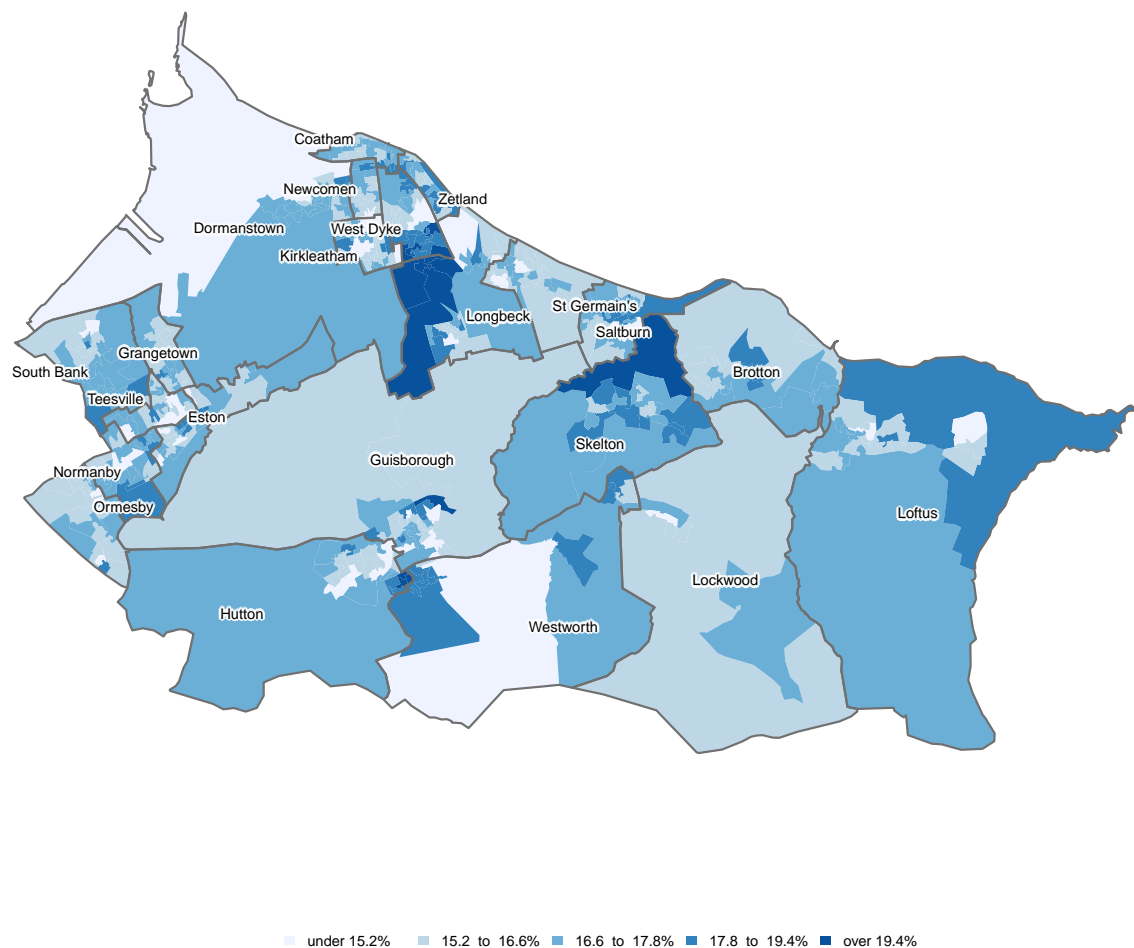
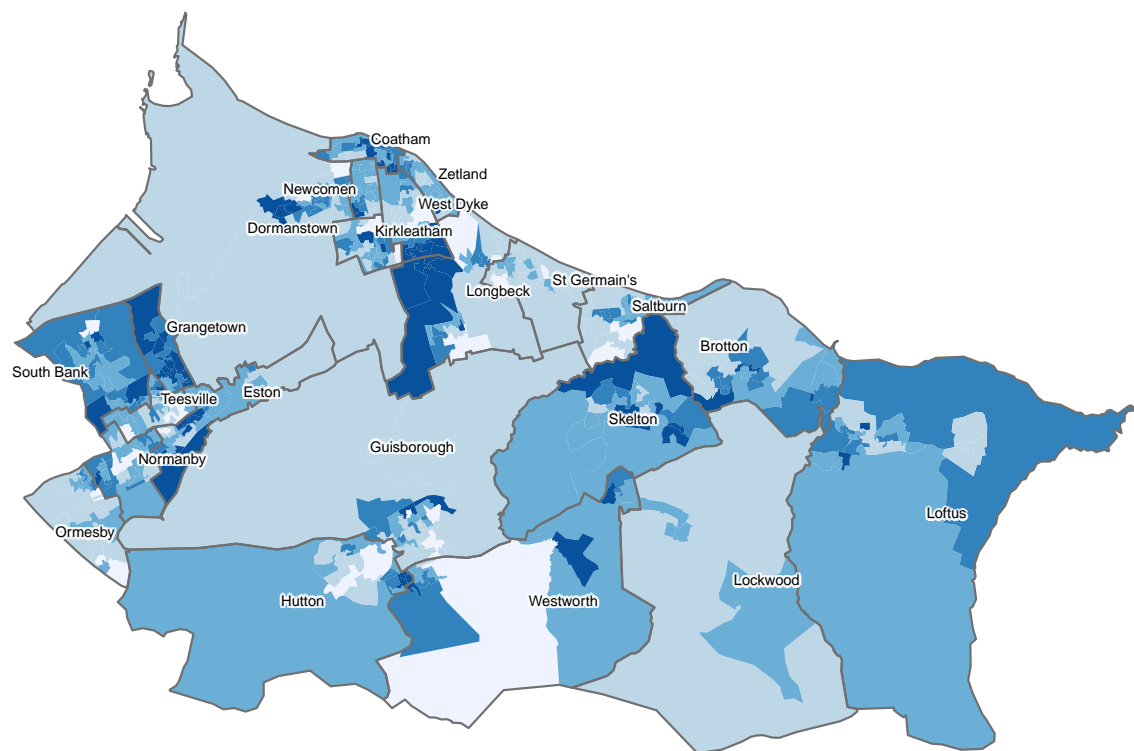


Figure 19: Persons who frequently order food or groceries online

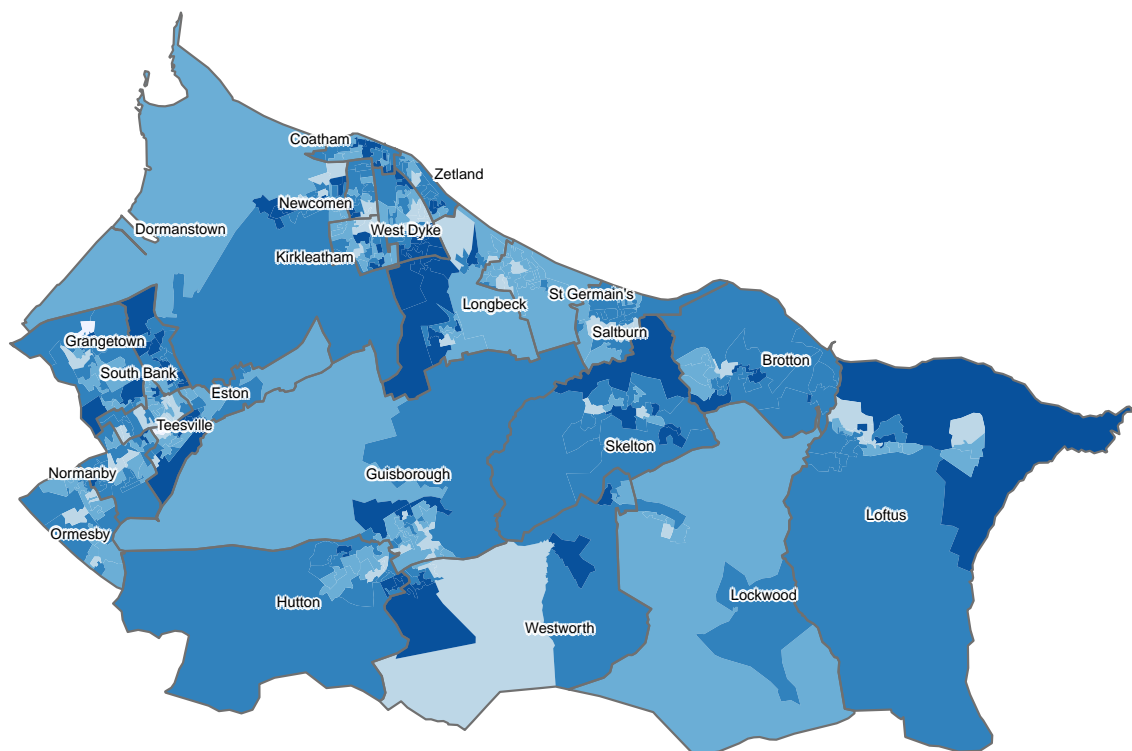
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under 11.9% 11.9 to 13.8% 13.8 to 15.1% 15.1 to 16.2% over 16.2%

Figure 20: Persons who frequently sell things online

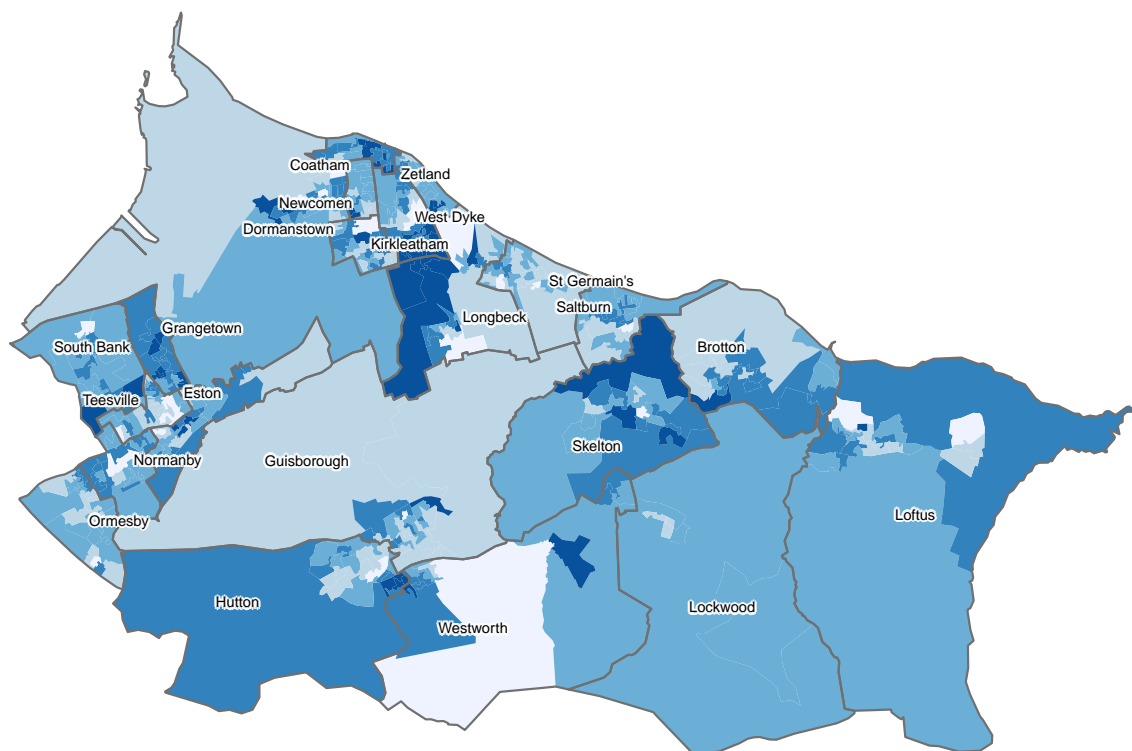
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under 78.9%
 78.9 to 87.6%
 87.6 to 90.6%
 90.6 to 92.8%
 over 92.8%

Figure 21: Mobile phone ownership

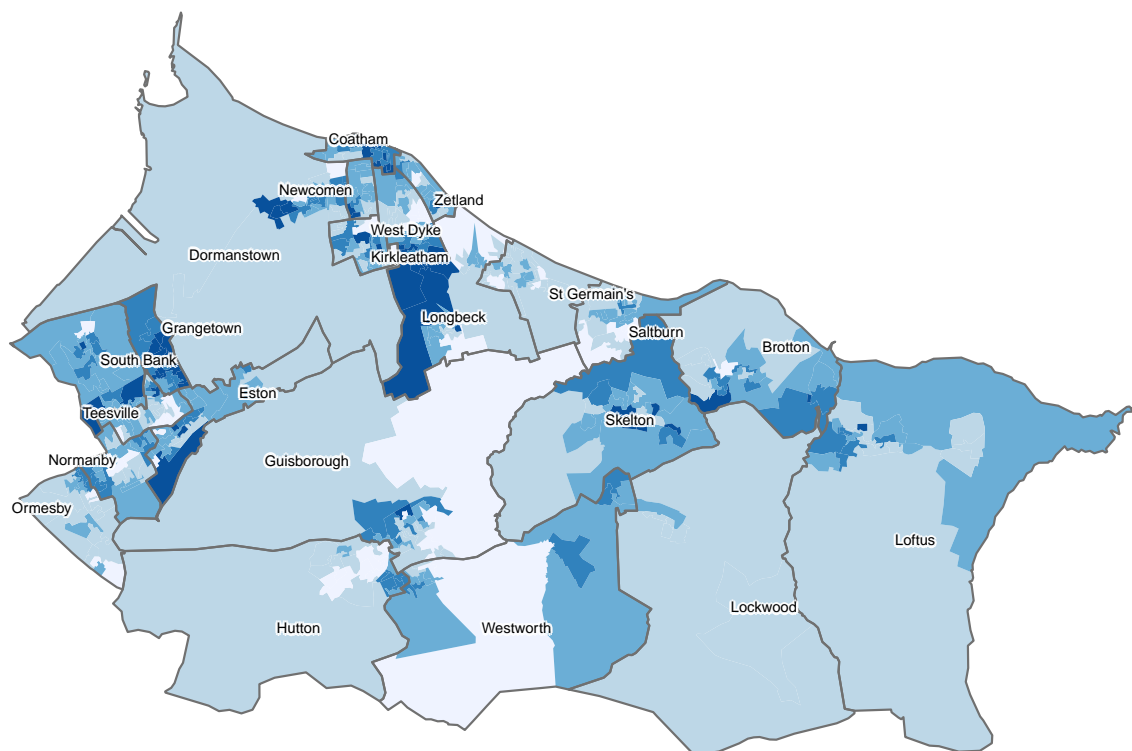
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under 35.6% 35.6 to 42% 42 to 46.9% 46.9 to 51.9% over 51.9%

Figure 22: Persons who use mobile phone for email

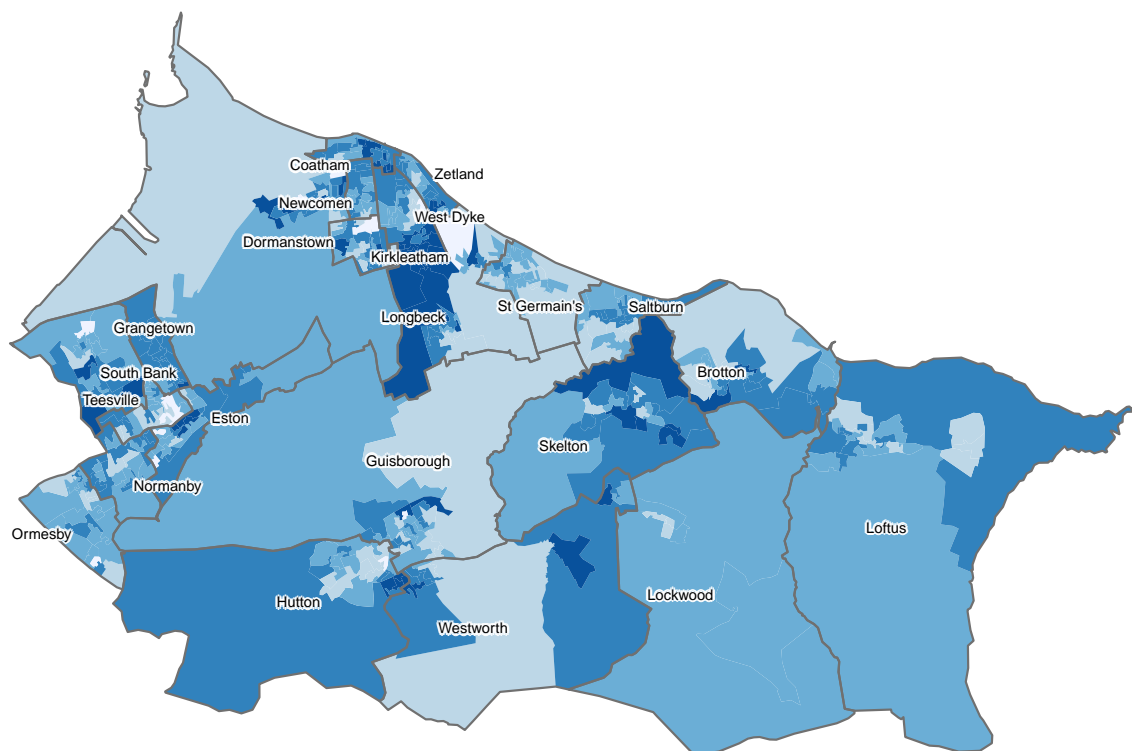
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under 25.9% 25.9 to 31.2% 31.2 to 35.4% 35.4 to 39.2% over 39.2%

Figure 23: Persons who use mobile for posting videos and photos online

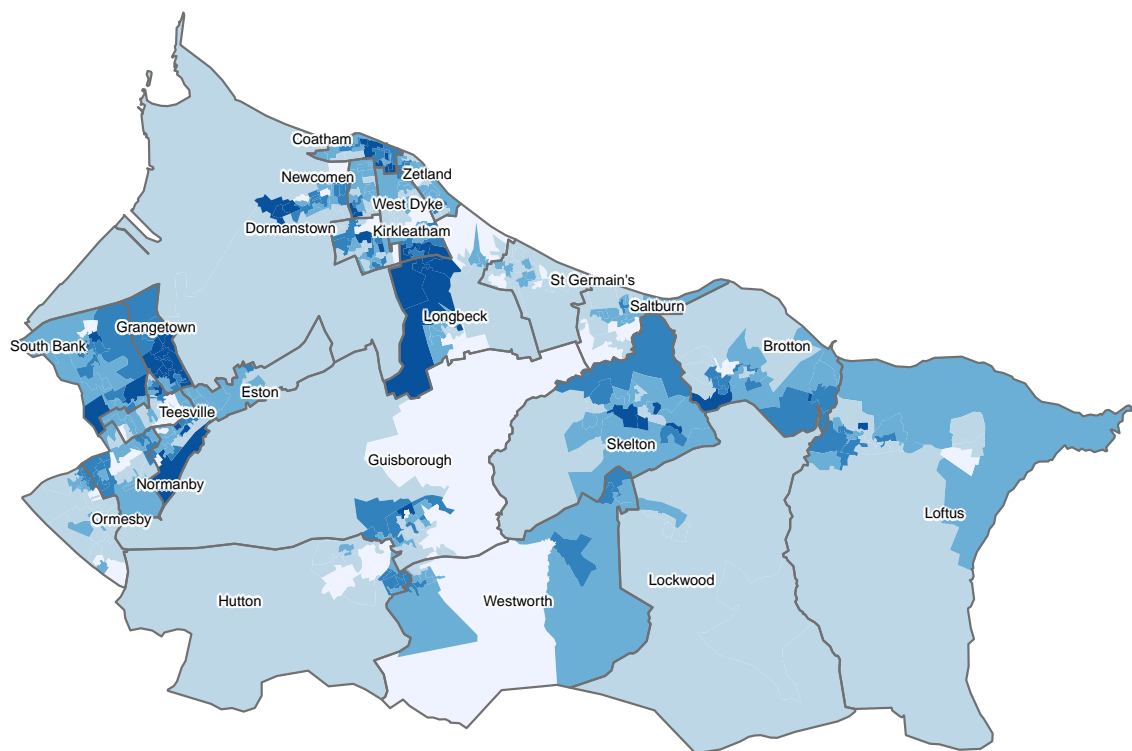
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under 25.8%
 25.8 to 32.1%
 32.1 to 36.5%
 36.5 to 41.3%
 over 41.3%

Figure 24: Persons who use mobile phone for navigation

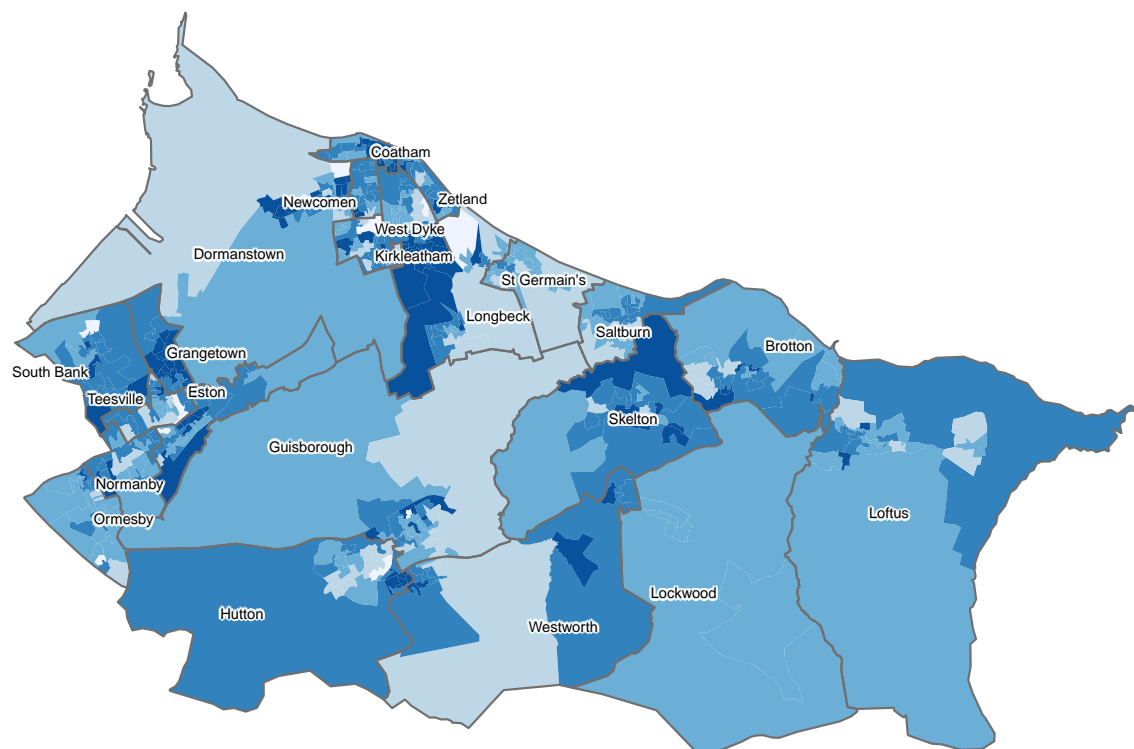
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under 27.1% 27.1 to 33.6% 33.6 to 38.7% 38.7 to 43.5% over 43.5%

Figure 25: Persons who use mobile phone for social networking

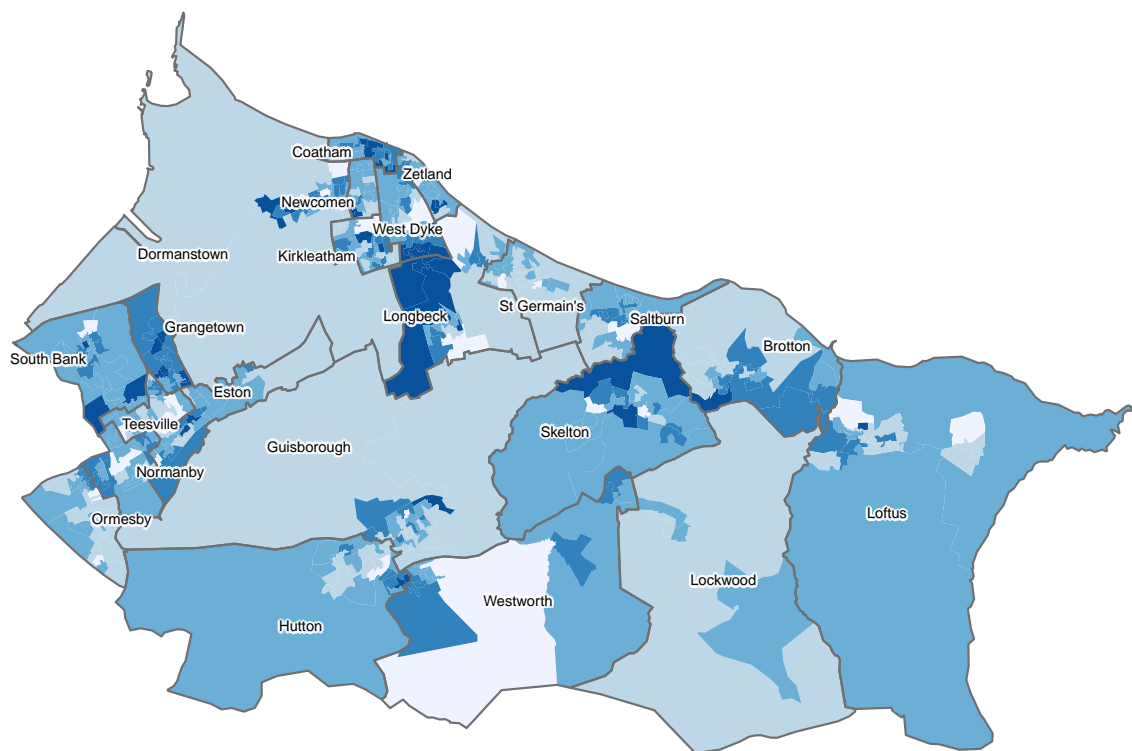
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under 26.3% 26.3 to 32.9% 32.9 to 38.1% 38.1 to 43.6% over 43.6%

Figure 26: Persons who use mobile phone for apps

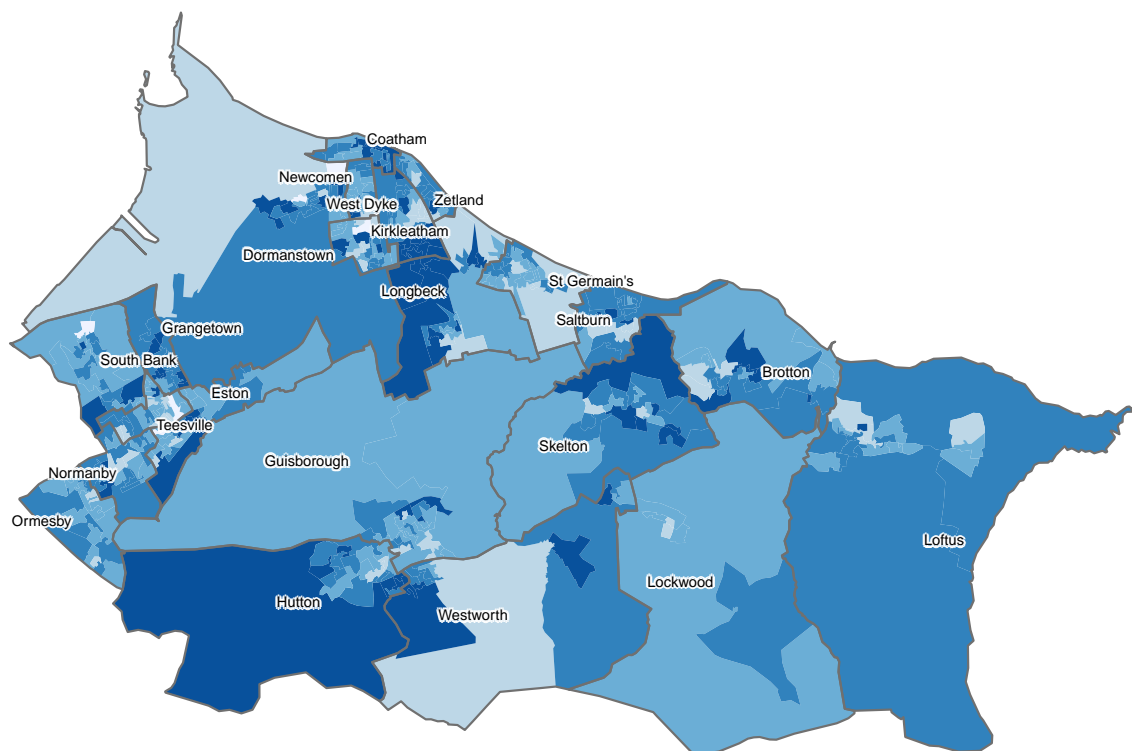
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under 33.7% 33.7 to 40.3% 40.3 to 45.4% 45.4 to 50.4% over 50.4%

Figure 27: Persons who use mobile phone for browsing the Internet

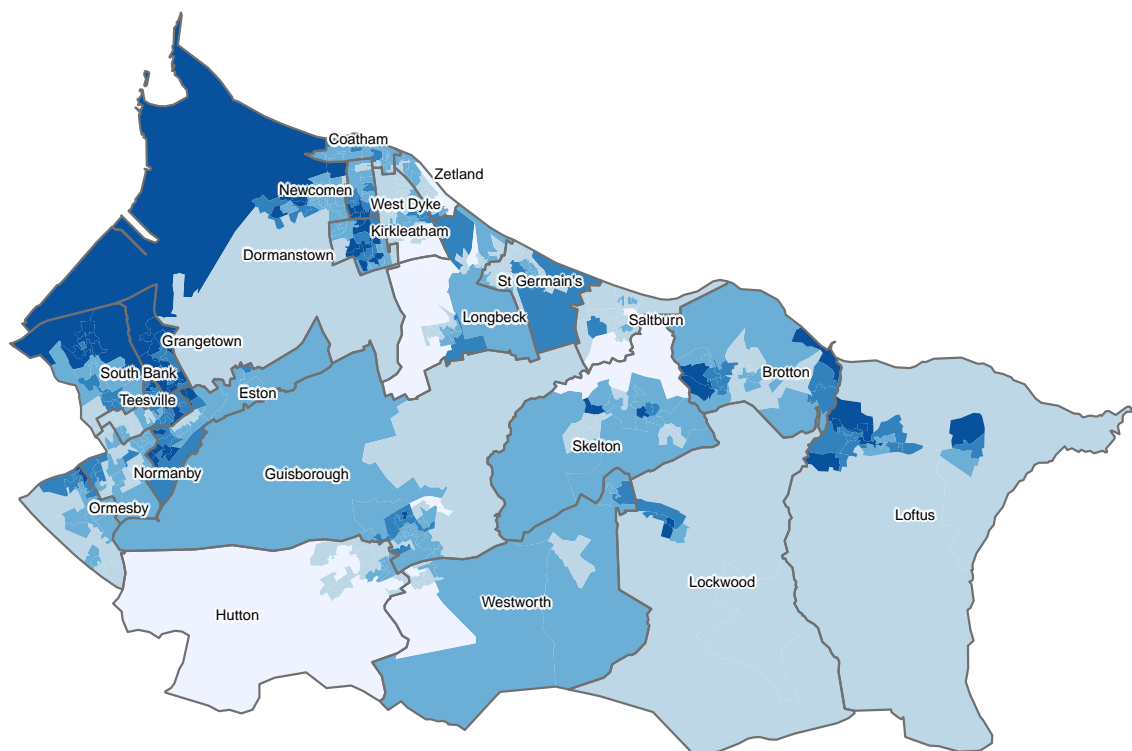
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under 57.9%
 57.9 to 68.5%
 68.5 to 74.2%
 74.2 to 79.3%
 over 79.3%

Figure 28: Current Internet users

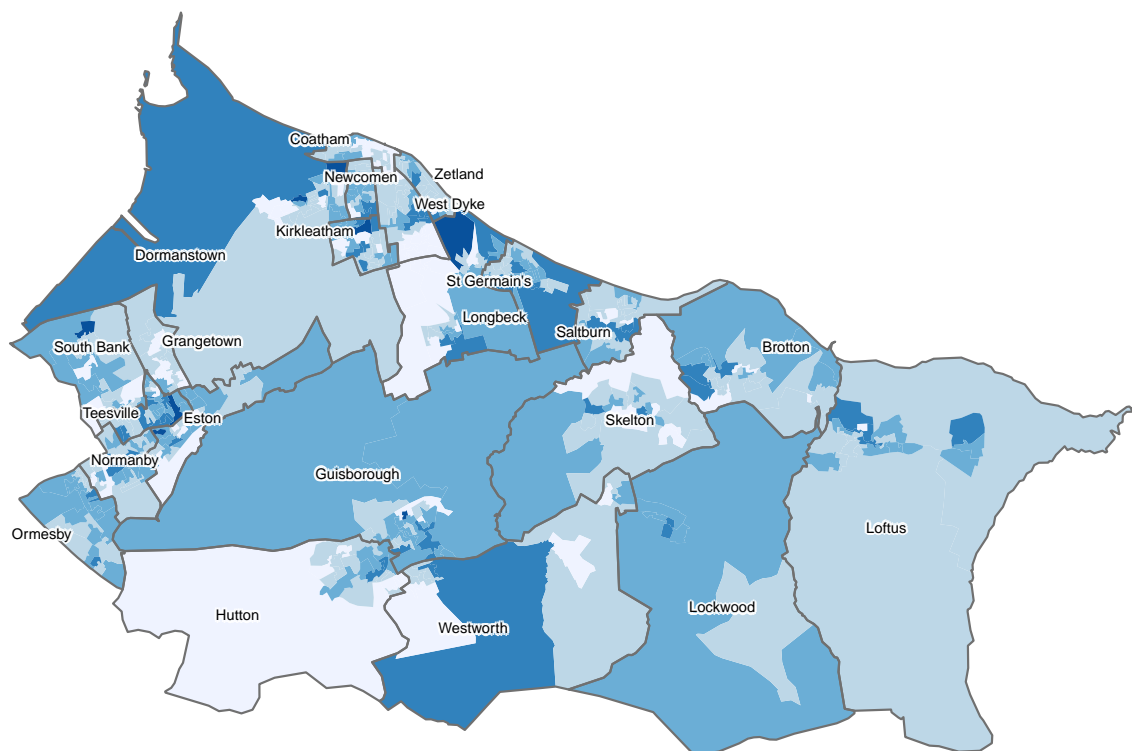
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under 3.2% 3.2 to 3.7% 3.7 to 4.2% 4.2 to 4.6% over 4.6%

Figure 29: Ex Internet users

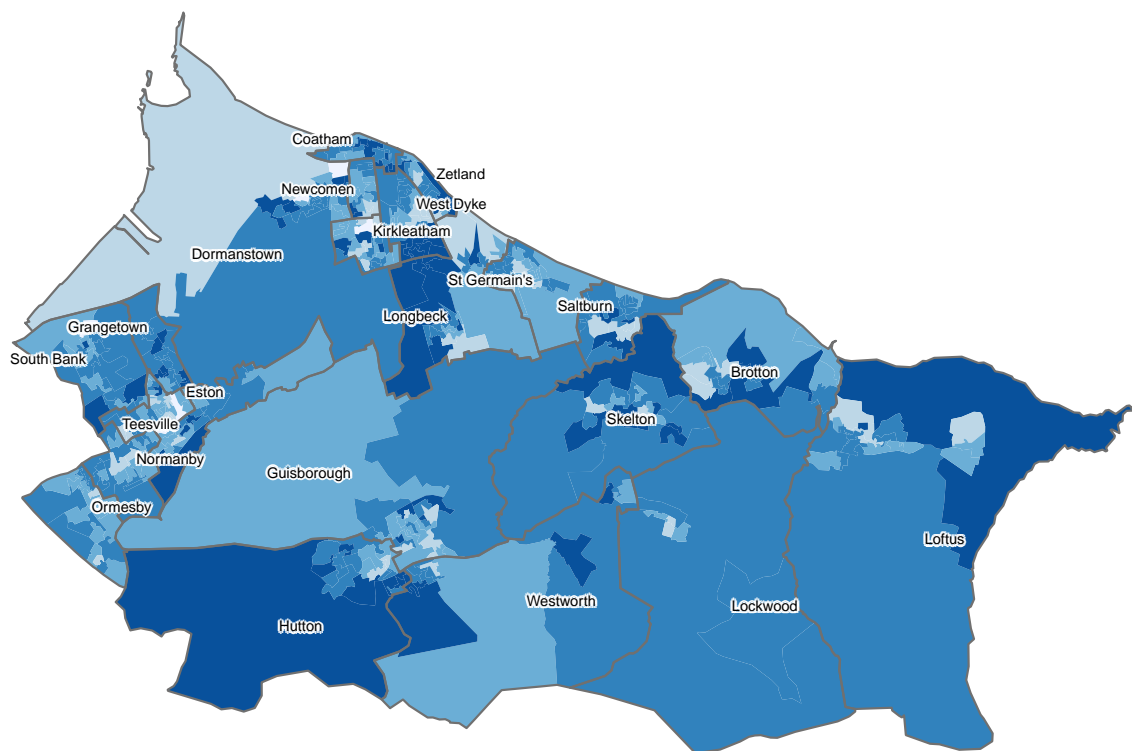
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under 16.9%
 16.9 to 21.7%
 21.7 to 26.8%
 26.8 to 35.1%
 over 35.1%

Figure 30: Internet non users

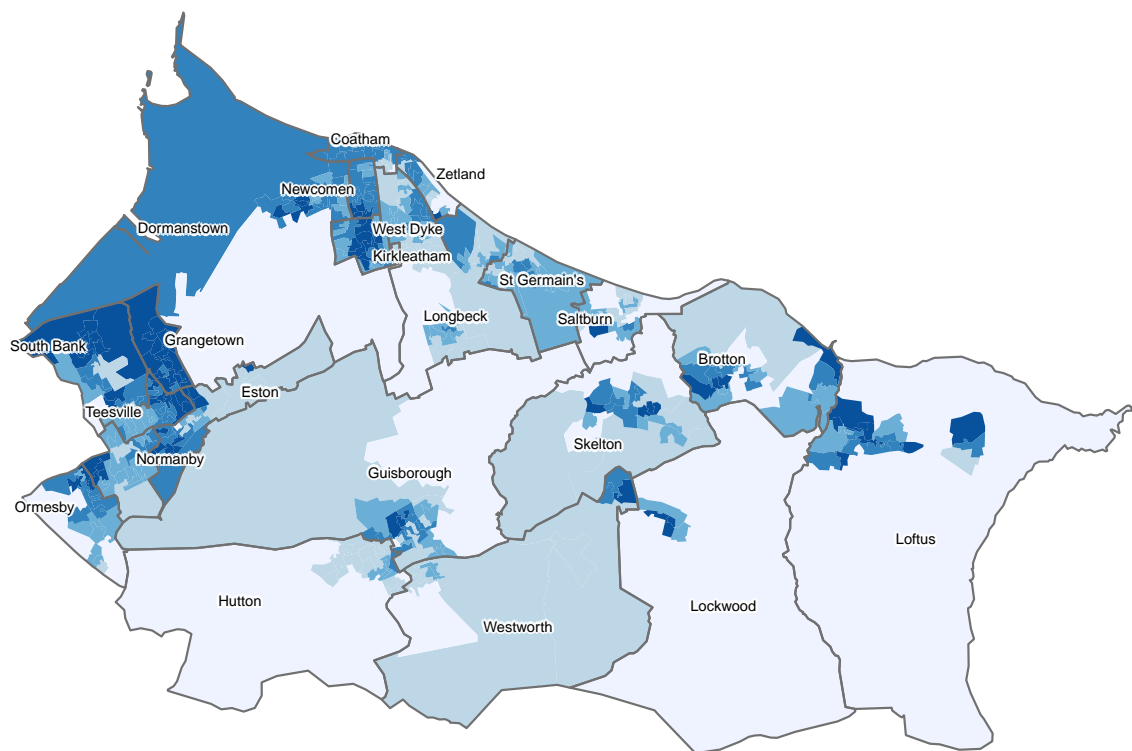
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under 60.9% 60.9 to 70% 70 to 75.1% 75.1 to 80% over 80%

Figure 31: Households that have Internet access at present

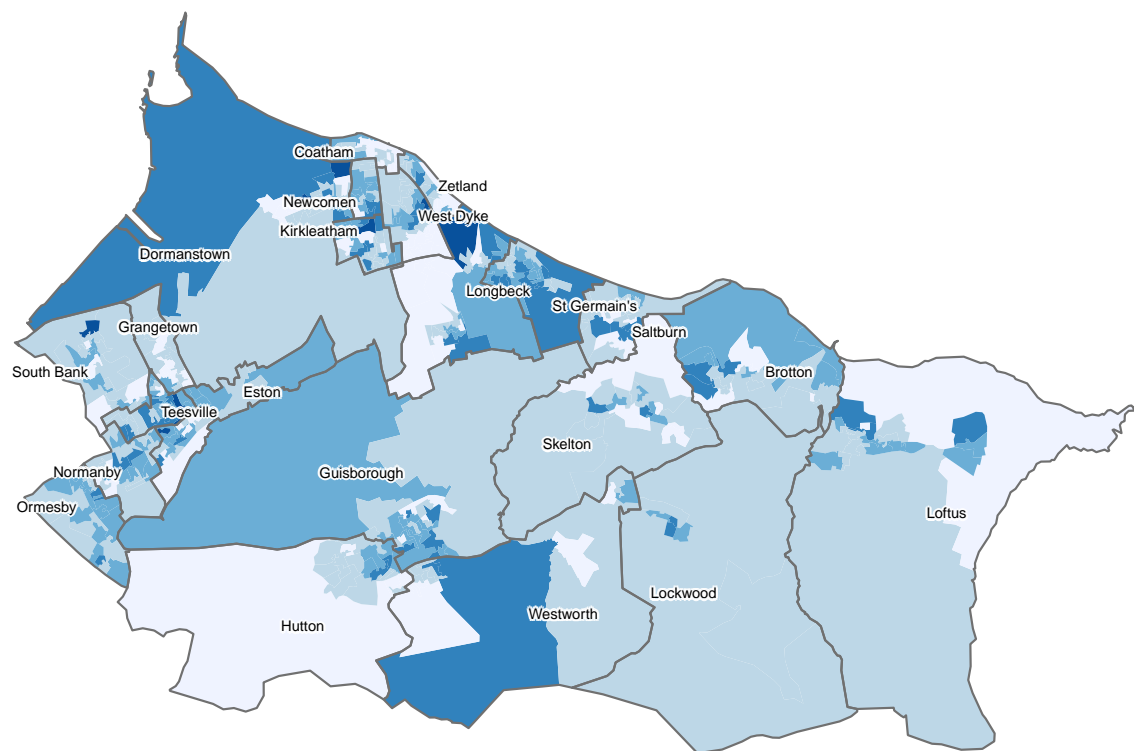
Variable ID – QH1a.
Contains Oxford Internet Survey data.
Contains Ordnance Survey data © Crown Copyright and Database Right 2015.
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under 3.4% 3.4 to 3.9% 3.9 to 4.3% 4.3 to 4.7% over 4.7%

Figure 32: Households that dont have Internet access but have had in past

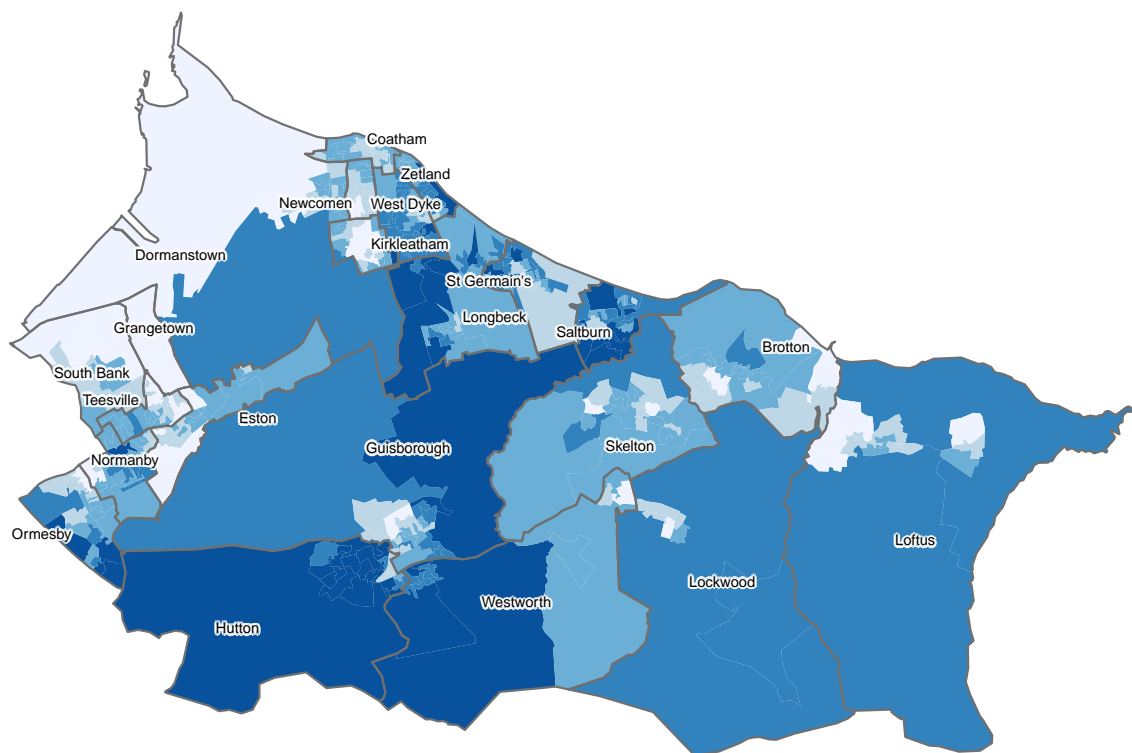
Variable ID – QH1b.
 Contains Oxford Internet Survey data.
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under 15.9% 15.9 to 20.6% 20.6 to 25.3% 25.3 to 32.4% over 32.4%

Figure 33: Households that have never had Internet access

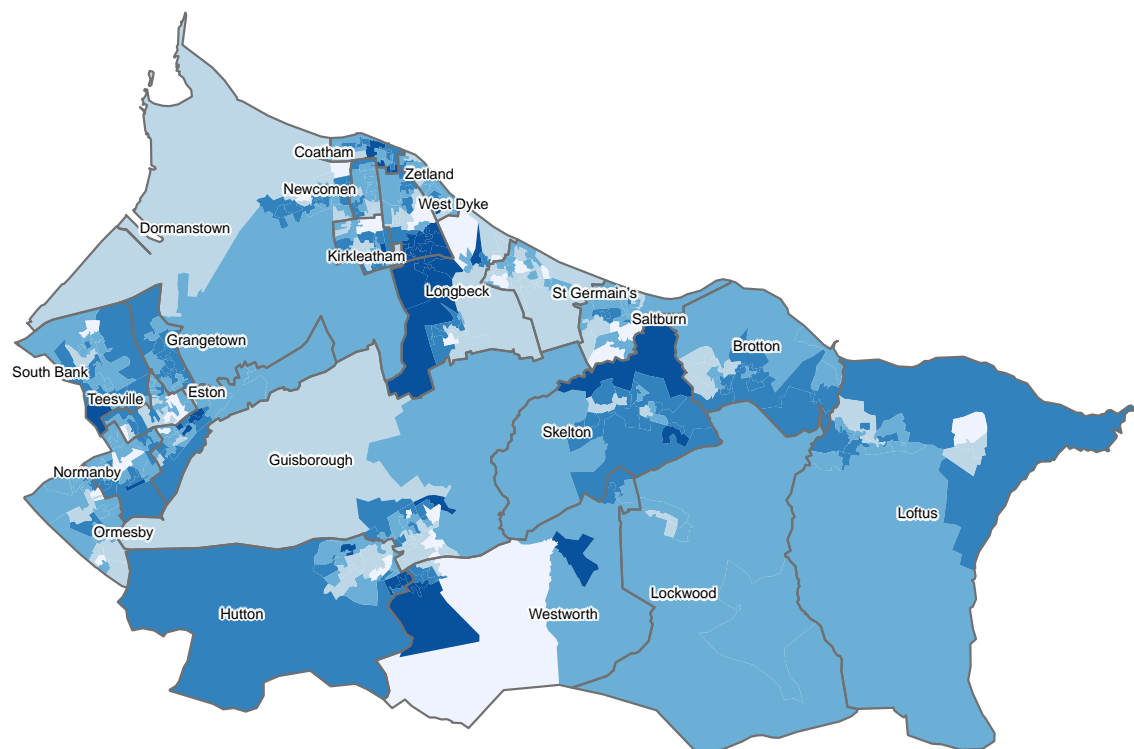
Variable ID – QH1c.
 Contains Oxford Internet Survey data.
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under 43.2% 43.2 to 45.7% 45.7 to 48.3% 48.3 to 50.9% over 50.9%

Figure 34: Households that have had Internet access for ten years or more

Variable ID – QH3.
Contains Oxford Internet Survey data.
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under 91.1% 91.1 to 92.3% 92.3 to 93.1% 93.1 to 94% over 94%

Figure 35: Householuds with in home wireless access through wifi

Variable ID – QH5.
 Contains Oxford Internet Survey data.
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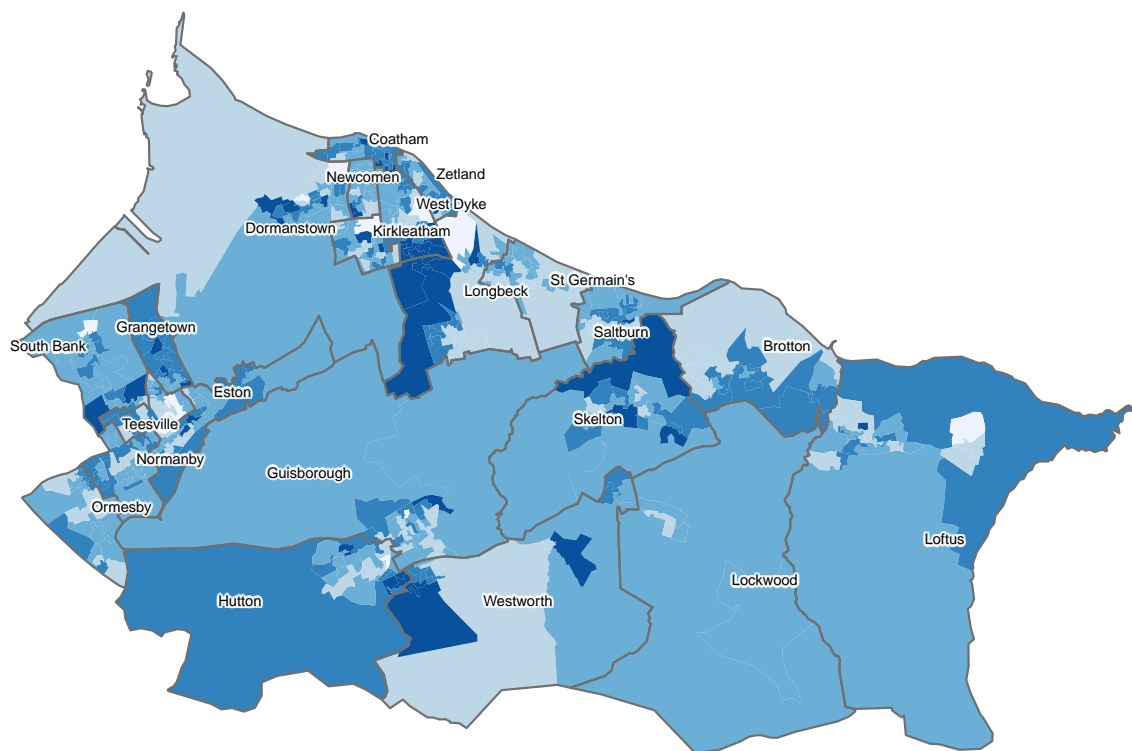
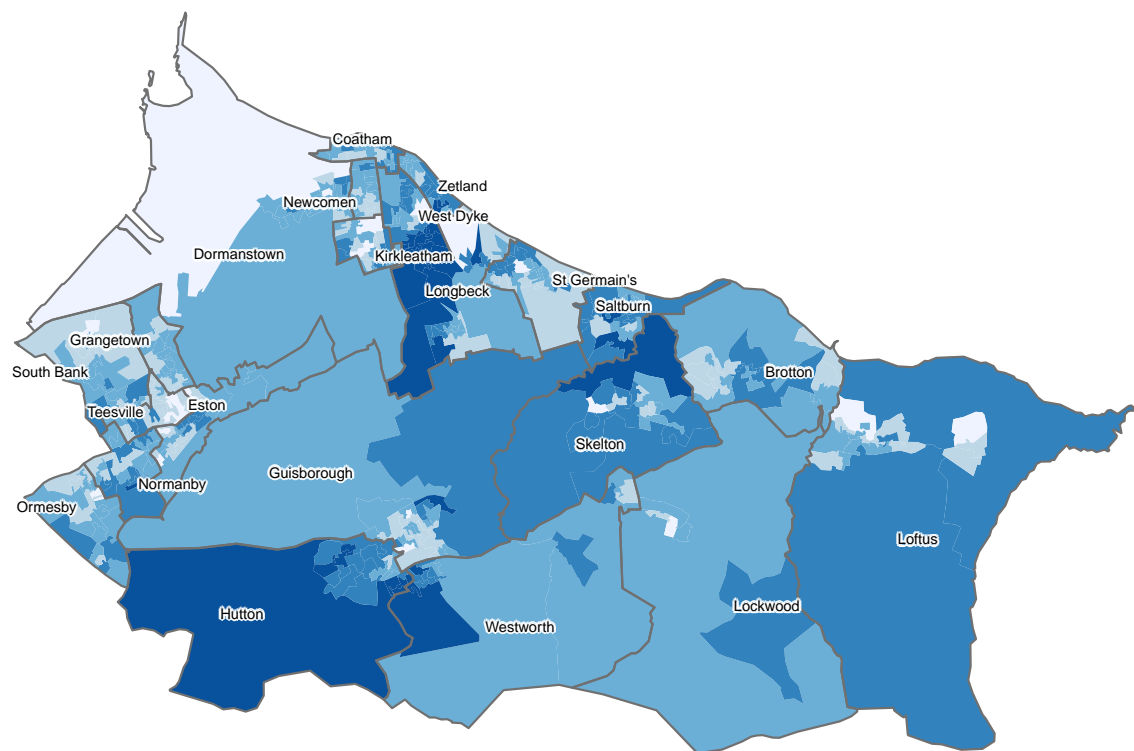


Figure 36: Households with a tablet computer

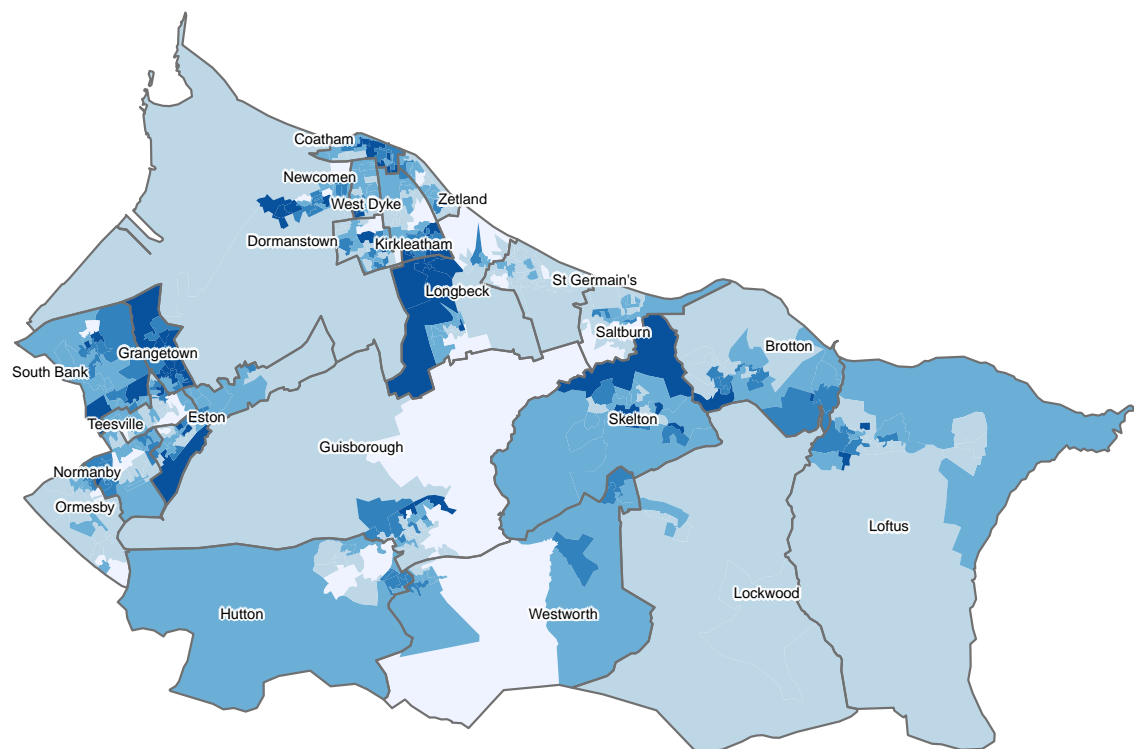
Variable ID – QH71.
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under 21% 21 to 23.7% 23.7 to 25.9% 25.9 to 28.7% over 28.7%

Figure 37: Households with an e reader

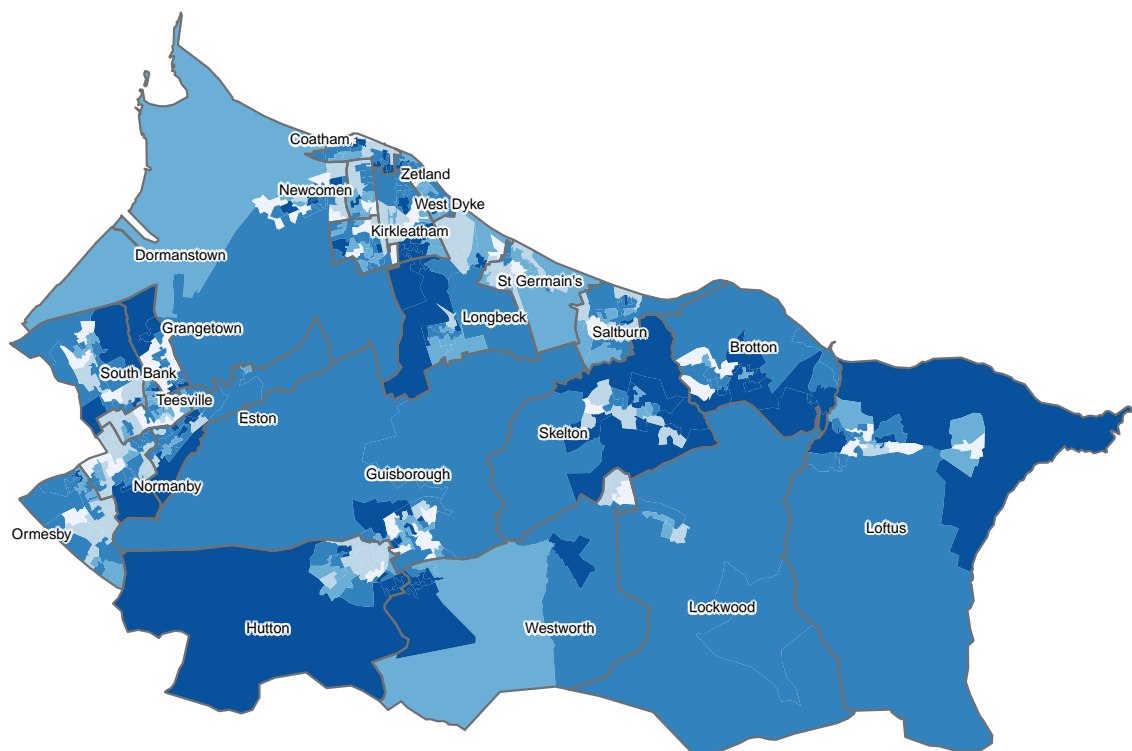
Variable ID – QH7g.
 Contains Oxford Internet Survey data.
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under 34.2% 34.2 to 41.3% 41.3 to 46.6% 46.6 to 51.3% over 51.3%

Figure 38: Households with a games console

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under 13.4% 13.4 to 17% 17 to 20.5% 20.5 to 22.9% over 22.9%

Figure 39: Households with a smart TV

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