

BROADBAND



A new study into broadband investment and the role of BT and Openreach

A British Infrastructure Group (BIG) Report
by The Rt. Hon Grant Shapps MP

Published: 23rd January 2016

Who is the British Infrastructure Group (BIG)?

The British Infrastructure Group (BIG) is led by The Rt Hon Grant Shapps MP and brings together cross-party Members of Parliament dedicated to promoting better infrastructure across the entire United Kingdom.

Each report it releases focusses on a different area of current or future infrastructure need. An individual MP's support is distinct to the particular subject and report under research.

BIG is about ensuring every opportunity for growth is seized with bold new ideas and recommendations, backed by authoritative research and evidence.

At its core, the British Infrastructure Group firmly believes that Britain should lead the world in infrastructure investment in order to drive forward our economy for the benefit of both this and future generations.

It is in this spirit that the British Infrastructure Group publishes its first report, 'Broadbad'. This research highlights the serious problems that the UK broadband network is facing. It argues that the current situation of large inconsistencies in service leading to millions of citizens and businesses experiencing slow or non-existent connections is now untenable.

With the UK economy now so reliant on its internet infrastructure, this BIG report contends that our future is being held back by systemic underinvestment stemming from the 'natural monopoly' of BT and Openreach. The report concludes that the current situation is stifling competition, hurting our constituents and in the process limiting Britain's business and economic potential.

This report urges Ofcom to urgently follow the proposed solutions.

A handwritten signature in blue ink that reads "Grant Shapps". The signature is written in a cursive, flowing style.

The Rt. Hon Grant Shapps MP

23rd January 2016

Sir,

As MPs we represent constituents who in 2016 rightly expect access to high-speed internet connections. Whether at home or work, fast broadband should be a reality in all our communities. Sadly, this is not yet the case.

A new report from the British Infrastructure Group of MPs (BIG) reveals that despite £1.7bn of taxpayers' cash pumped into subsidising the construction of UK high-speed broadband, there are still a staggering 5.7million people across Britain who cannot access the internet at the Ofcom required 10 Megabits per second. But the problem is even worse for business with 42% of small and medium size enterprises reporting problems with their internet connection, at an estimated £11bn of cost to the British economy.

Today's report, '*BroadBad*', calls on the regulator Ofcom to take radical action over the 'natural monopoly' too long enjoyed by BT Openreach. The comprehensive report, which details connection speeds in every part of the country, argues that given our modern economy being so reliant on the internet, it is time to stop being held back by BT's lack of ambition and underinvestment.

We believe that Britain should be leading the world in digital innovation. Yet instead we have a monopoly company clinging to outdated copper technology with no proper long-term plan for the future. We need to start converting to a fully fibre network so we are not left behind the other nations who are rushing to embrace digital advancement.

However, we will only achieve this by taking action to open up the sector. Given all the delays and missed deadlines, we believe that only a formal separation of BT from Openreach, combined with fresh competition and a concerted ambition to deliver will now create the broadband service that our constituents and businesses so rightly demand.

Yours

British Infrastructure Group of MPs

The Rt. Hon Grant Shapps MP	Welwyn Hatfield
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Peter Aldous MP	Waveney
Dave Anderson MP	Blaydon
Caroline Ansell MP	Eastbourne
Steve Baker MP	Wycombe
Guto Bebb MP	Aberconwy

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Royston Smith GM MP	Southampton Itchen
The Rt. Hon Sir Nicholas Soames MP	Mid Sussex
Amanda Solloway MP	Derby North
Graham Stuart MP	Beverley and Holderness

Derek Thomas MP	St Ives
Anne-Marie Trevelyan	Berwick-Upon-Tweed
Stephen Twigg MP	Liverpool, West Derby
Martin Vickers MP	Cleethorpes
Charles Walker OBE MP	Broxbourne
David Warburton FRSA MP	Somerton and Frome
Bill Wiggin MP	North Herefordshire
Mark Williams MP	Ceredigion
Mike Wood MP	Dudley South

Key Findings

- Openreach has so far received £1.7 billion in taxpayer subsidies to connect harder to reach areas of the UK to superfast services, but has repeatedly failed to deliver¹.
- Around 5.7 million people in the UK have internet connections that do not reach Ofcom's 'acceptable' minimum speed of 10Mbit/s. 3.5 million of these people live in rural areas².
- Poor internet connections are costing the UK economy up to £11 billion per year³.
- 42% of SMEs report experiencing problems with their internet connectivity and 29% also report poor service reliability⁴.
- Following the announcement that BT will be merging with EE it has been calculated that BT will have a 40% share of the retail telecoms market and a 70% share of the wholesale market⁵.
- The time has come for BT to be forced to sell off Openreach to encourage more competition and a better service for every internet user and for the benefit of the UK economy.

¹ <https://www.gov.uk/gosuperfast>, accessed 13 January 2016

² ONS figures show in 2015 average UK household size was 2.37, <http://www.ons.gov.uk/ons/publications/re-reference-tables.html?edition=tcm%3A77-401852>, accessed 14 January 2016. Ofcom data shows 2.4 million homes with speed below 10Mbit/s of which 1.5 million were classified as rural homes, http://stakeholders.ofcom.org.uk/binaries/research/infrastructure/2015/downloads/connected_nations2015.pdf, 4, accessed 8 January 2016

³ http://www.digitalstrategyconsulting.com/intelligence/2015/03/poor_internet_connections_cost_uk_economy_11bn_a_year.php, accessed 13 January 2016

⁴ Ofcom, *Strategic Review of Digital Communications Discussion Document*, 16 July 2015, 28, accessed 8 January 2016, http://stakeholders.ofcom.org.uk/binaries/consultations/dcr_discussion/summary/digital-comms-review.pdf

⁵ <http://www.theguardian.com/business/2015/mar/12/talk-talk-sky-call-for-network-to-be-split-off-bt-ofcom-launches-probe>, accessed 15 January 2016

Introduction

1. Despite close proximity to London, the Rt. Hon Grant Shapps MP has been alarmed by the number of complaints about inadequate broadband in his Welwyn Hatfield constituency. In the first report from the new British Infrastructure Group (BIG), Grant Shapps MP has led an investigation into the state of internet services throughout Britain. The report uncovers a national broadband network which is chronically underperforming and judges that it is unlikely to resolve itself under the current 'natural monopoly' enjoyed by Openreach operating as a BT subsidiary.
2. This report contends that Britain, the birth place of the man who invented the World Wide Web, Tim Berners-Lee, should be leading the world in digital investment. The Government and local authorities have now generously granted a total of £1.7 billion in subsidies to BT to deliver broadband to the harder to reach areas of the UK⁶. The question this report asks is whether this is being delivered by BT and its subsidiary, Openreach. There are already a number of questions about the damage being done to businesses by the problem of poor internet connections. It is estimated that poor connections cost UK business around £11 billion annually⁷.
3. Britain should have the most developed digital economy in the world but is instead lagging behind countries such as Japan, South Korea and others. With digital demand ever growing something clearly has to change. This report looks to question the current roles being played by BT and Openreach and how a different approach to how they function could be the key to unleashing the UK digital economy.

⁶ <https://www.gov.uk/gosuperfast>, accessed 13 January 2016

⁷ http://www.digitalstrategyconsulting.com/intelligence/2015/03/poor_internet_connections_cost_uk_economy_11bn_a_year.php, accessed 13 January 2016

The Situation

“5.7 million people in the UK cannot receive an acceptable download speed”

“Over 400,000 SMEs do not have access to superfast broadband”

Speed and Coverage

4. Ofcom, the regulatory body responsible for the telecoms sector, believe that a download speed of at least 10Mbit/s is the minimum necessary for what they describe as an acceptable user experience⁸. However, many consumers and SMEs cannot even expect to receive ‘acceptable’ speeds. This report calculates that around 5.7 million people in the UK cannot receive an acceptable download speed, with 3.5 million of these people living in rural areas⁹. This means 48% of rural connections do not meet this minimum speed leaving ordinary people and businesses lagging behind the rest of the country.

5. The damage being done to businesses also should not be understated. Businesses actually experience poorer superfast broadband coverage when compared to ordinary consumers. Over 400,000 SMEs do not have access to superfast broadband and nearly 130,000 SMEs in certain business areas cannot achieve speeds of 10Mbit/s.¹⁰

6. The UK is in the middle of an economic recovery which is being driven by the hard work of UK businesses. It is imperative that this important work is not impeded. However, there are some serious questions about the damage poor internet connections are doing to these very businesses. Research has shown that even though businesses are becoming ever more reliant on the internet, they are constantly being let down by slow and poor quality connections. It has been estimated that the annual cost to UK businesses is around £11

⁸ Connected Nations Ofcom Report p.15 2015

⁹ ONS figures show in 2015 average UK household size was 2.37, <http://www.ons.gov.uk/ons/publications/re-reference-tables.html?edition=tcm%3A77-401852>, accessed 14 January 2016. Ofcom data shows 2.4 million homes with speed below 10Mbit/s of which 1.5 million were classified as rural homes, http://stakeholders.ofcom.org.uk/binaries/research/infrastructure/2015/downloads/connected_nations2015.pdf, 4, accessed 8 January 2016

¹⁰ Ofcom, *Connected Nations 2015*, 1 December 2015, 4, accessed 8 January 2016, http://stakeholders.ofcom.org.uk/binaries/research/infrastructure/2015/downloads/connected_nations2015.pdf

billion in lost productivity¹¹. This is an extremely alarming figure that has to be addressed urgently.

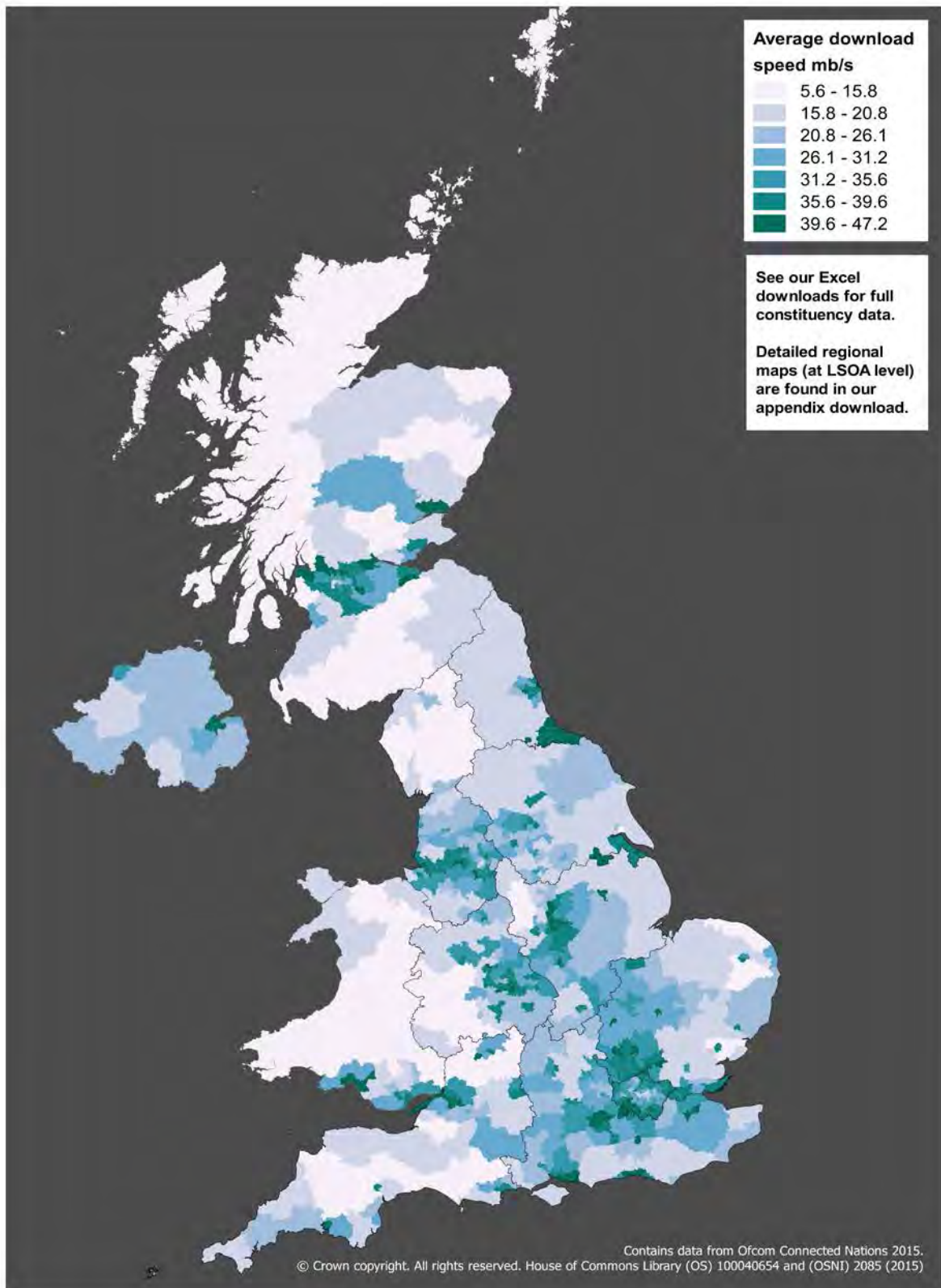
7. Research conducted by BIG and the House of Commons Library highlights the further magnitude of the problem across the nation¹². As fig 1 on page 5 shows, vast swathes of the nation suffer from slow or even non-existent broadband speeds. A look at the South West of England, huge areas in Scotland and Wales and also the North of England show a nation plagued by poor broadband service. While some areas are relatively well covered with decent average download speeds, there is far too much regional and local variation. Some areas of London have outstanding internet connections whilst neighbouring constituencies are stuck in the relative dark ages¹³.

¹¹http://www.digitalstrategyconsulting.com/intelligence/2015/03/poor_internet_connection_s_cost_uk_economy_11bn_a_year.php, accessed 13 January 2016

¹²D Hurst, *Fixed Broadband: Policy and Speeds*, House of Commons Library Briefing Paper, 11 Jan 2016

¹³<http://researchbriefings.parliament.uk/ResearchBriefing/Summary/SN06643>, accessed January 11 2016

Fig 1. Map of UK showing average download speeds (House of Commons Library)



The Role of Openreach

“Openreach has missed a series of promised deadlines”

8. Openreach was functionally split off from BT and formally opened in January 2006¹⁴. It is functionally separate from BT but is still a wholly owned subsidiary company and part of the BT Group. Openreach currently maintains and owns the main system of cables that connects virtually every home and business in the UK to broadband services. It has been described, fairly, as a monopoly¹⁵.

9. Since the functional separation from BT, Openreach has courted controversy, over-promising and under-delivering on pledges to improve speeds and service. It famously claimed in 2009 that 2.5 million homes would be connected to ultra-fast Fibre to the Premises (FTTP) services by 2012, which is 25% of the country. Yet by September 2015 they had only managed to reach around 0.7% of homes¹⁶. This is just one example of Openreach’s inability to operate effectively under the current arrangements. In fact, Openreach have been so bad at hitting performance targets that Ofcom have had to introduce more regulations and standards requirements running against an original key Ofcom goal of moving away from too much micro-regulation¹⁷.

“Openreach has historically generated the majority of BT’s profits”

10. BT has also frequently been accused of abusing the natural monopoly it has over the nation’s network and not giving equal access to other internet providers¹⁸. It should also be pointed out that Openreach has historically generated the majority of BT’s profits leaving a big question mark over what incentives BT has to invest properly into the

¹⁴ <http://stakeholders.ofcom.org.uk/telecoms/policy/bt-undertakings/>, accessed 13 January 2016

¹⁵ <http://www.telegraph.co.uk/finance/newsbysector/mediatechnologyandtelecoms/11937511/BT-Openreach-needs-a-kick-up-the-backside.html>, accessed 13 January 2016

¹⁶ <http://www.ispreview.co.uk/index.php/2013/04/bt-abandons-native-uk-ftp-broadband-rollout-for-ftpod-and-fttc.html>, accessed 13 January 2016

¹⁷ Ofcom, *Strategic Review of Digital Communications Discussion Document*, 16 July 2015, 9, accessed 8 January 2016, http://stakeholders.ofcom.org.uk/binaries/consultations/dcr_discussion/summary/digital-comms-review.pdf

¹⁸ <http://www.reuters.com/article/us-britain-telecommunicationsidUSKCN0J70W420141123>, accessed 13 January 2016

broadband infrastructure^{19 20}. As a result, coverage suffers, as do download speeds and customer service levels²¹.

The Network

“BT has so far received £1.7 billion in taxpayer subsidies”

11. Openreach is responsible for operating the main system of cables that connect the nation’s homes and businesses to the internet. Other internet providers, in theory, are supposed to be given equal access to the network. Unsurprisingly, BT favour the status quo of the current setup²². Competitors, like Sky and TalkTalk, argue that the relationship between BT and Openreach further exacerbate the problems brought about by the current situation already being a natural monopoly²³. These other providers have to pay a wholesale price to BT to make use of the network and they then charge their own customers for services. They have consistently argued that Openreach has little incentive to invest in upgrading the network and in fixing faults quickly²⁴.

“There is too little incentive for BT to speed up the outdated copper network”

12. Logically this means Openreach has little to gain from improving the network. At the moment the infrastructure is largely a copper network, meaning it is outdated. BT has made much about a new technology it is introducing, G.fast, that it claims will enhance the performance of the existing copper network, using better signalling kit to push more data into the wires²⁵. The obvious criticism to make of this approach is that BT are merely trying to eke out what life there is left in an outdated network system instead of planning for the future and upgrading to a fully fibre network²⁶. Again this stems from the

¹⁹ <http://www.theguardian.com/technology/2015/sep/14/bt-broadband-fibre-optic-slow-speeds>, accessed 13 January 2016

²⁰ <http://www.thisismoney.co.uk/money/markets/article-3164363/CITY-FOCUS-split-not-split-question-BT-s-control-Openreach.html>, accessed 14 January 2016

²¹ <http://www.ispreview.co.uk/index.php/2015/06/sky-demands-ofcom-launch-uk-competition-inquiry-into-bt-openreach.html>, accessed 14 January 2016

²² <http://www.economist.com/news/britain/21679838-big-decisions-loom-how-bridge-digital-divide-battle-wires>, accessed 9 January 2016

²³ <http://www.ispreview.co.uk/index.php/2015/06/sky-demands-ofcom-launch-uk-competition-inquiry-into-bt-openreach.html>, accessed 13 January 2016

²⁴ <http://www.techweekeurope.co.uk/networks/broadband/bt-openreach-ofcom-review-2-178699>, accessed 13 January 2016

²⁵ <http://www.computerweekly.com/news/4500255882/Is-Gfast-the-answer-to-the-UKs-fibre-vs-copper-debate>, accessed 13 January 2016

²⁶ <http://www.computerweekly.com/news/4500255882/Is-Gfast-the-answer-to-the-UKs-fibre-vs-copper-debate>, accessed 13 January 2016

lack of any kind of incentive to properly invest in and upgrade the infrastructure. The winners are BT, the losers are the British public.

“48% of rural homes still don’t have internet that Ofcom would describe as merely acceptable”

State Subsidies and Finance

13. BT has so far received £1.7 billion in taxpayer subsidies to roll out superfast broadband to harder to reach rural areas²⁷. Ministers have done the right thing by wanting to connect up these areas but were badly let down by the regulator and BT. The push should be for stronger, more competitive networks. The biggest concern is that the UK taxpayer is not being given value for money whilst leaving those most in need of faster connections left out in the cold²⁸.

“It was found that £1.7 million of Openreach revenues had been used to fund the recently approved merger deal with EE, leading to a censure from Ofcom”

14. Openreach generates 50p in earnings before interest, tax, depreciation and amortisation for every £1 of revenue^{29 30}. No other telecoms companies, such as Virgin or sky, are in receipt of such generous subsidies³¹. Yet 48% of rural homes still don’t have internet that Ofcom would describe as merely acceptable. To make matters worse, there are still large numbers of homes who cannot even reach speeds of 2Mbit/s. This means they are unable to make use of online services like music streaming or catch up TV sites³².

“BT now has a 40% share of the retail telecoms market and 70% share of the wholesale market.”

15. BT benefits hugely from these subsidies. They get to spend the money given to them and will own the newly created infrastructure afterward. This effectively means the UK taxpayer is subsidising BT owned infrastructure through Openreach that they will then profit from. BT have also recently been caught in a scandal where it was found that £1.7 million of Openreach revenues had been used to fund the recently approved merger deal with EE, leading to a censure from

²⁷ <https://www.gov.uk/gosuperfast>, accessed 13 January 2016

²⁸ HC Deb, 12 October 2015, Column 49, <http://www.publications.parliament.uk/pa/cm201516/cmhansrd/cm151012/debtext/151012-0002.htm#15101217000001>

²⁹ <http://www.theguardian.com/technology/2015/sep/14/bt-broadband-fibre-optic-slow-speeds>, accessed 13 January 2016

³⁰ <http://www.cbronline.com/news/telecoms/carrier/bt-reports-best-ever-quarter-for-openreach-amidst-revenue-dip-4570948>, accessed 14 January 2016

³¹ <http://www.telegraph.co.uk/finance/newsbysector/mediatechnologyandtelecoms/telecoms/11019380/Superfast-broadband-subsidies-reach-1m-rural-homes-and-businesses.html>, accessed 15 January 2016

³² <http://consumers.ofcom.org.uk/news/connected-nations-report/>, accessed 8 January 2016

Ofcom³³. This raises renewed questions about the takeover and has caused further worries for competition, compounding the problems that already existed over Broadband³⁴. It means that BT now has a 40% share of the retail telecoms market and a 70% share of the wholesale market³⁵.

³³ <http://www.independent.co.uk/news/business/news/the-status-quo-is-not-an-option-for-bt-openreach-says-ofcom-a6756671.html>, accessed 15 January 2016

³⁴ <http://www.bbc.co.uk/news/business-35320831>, accessed 15 January 2016

³⁵ <http://www.theguardian.com/business/2015/mar/12/talk-talk-sky-call-for-network-to-be-split-off-bt-ofcom-launches-probe>, accessed 15 January 2016

The Options

Investment or Stagnation

*“London’s
Tech City has
some of the
worst
broadband
speeds in the
country”*

*“Ofcom have
shown that as
consumers get
better
download
speeds, they
consume
more data”*

16. The UK broadband network is largely made up of incredibly outdated copper wires³⁶. This technology may have been cutting edge when it was first installed, but today it sees us lagging behind other leading economies, such as Germany, Japan and France. It is frankly alarming that London’s Tech City has some of the worst broadband speeds in the country³⁷.

17. BT’s approach to the need for faster broadband is to resort to G.fast. This technology makes use of more intelligent signalling kit to push more data through the existing copper wires allowing for the upgrade to ultrafast internet. This should allow for speeds of between 150Mbit/s and 1Gbit/s³⁸. However, it can only achieve speeds at the higher end of this scale in limited circumstances and that pure FTTP cables would be needed to guarantee these top speeds³⁹. Rather than acknowledging the need to comprehensively rethink their broadband investment strategy, they are instead effectively postponing the decision and trying to strain every last bit of profit they can from the outdated and struggling copper network. Whilst G.fast will increase speed for some it is a reactive measure, a short term fix that won’t address the long term need.

³⁶ <http://www.economist.com/news/britain/21679838-big-decisions-loom-how-bridge-digital-divide-battle-wires>, accessed 9 January 2016

³⁷ <http://www.standard.co.uk/news/london/tech-city-boss-silicon-roundabouts-slow-internet-meant-we-could-barely-send-emails-10052931.html>, accessed 13 January 2016

³⁸ <http://www.computerweekly.com/news/4500255882/Is-Gfast-the-answer-to-the-UKs-fibre-vs-copper-debate>, accessed 13 January 2015

³⁹ <http://www.ispreview.co.uk/index.php/2015/01/bt-confirm-uk-rollout-1000mbps-g-fast-ultrafast-broadband-2020.html>, accessed 13 January 2016

“42% of SMEs report experiencing problems with their internet connectivity”

“Poor service reliability was also a problem for SMEs, with 29% saying this was an issue”

18. What is needed is the acknowledgement by BT that the network needs to be converted to all fibre throughout. Demand for broadband is forever increasing throughout the UK as more and more people rely on digital services for work, entertainment and day to day living⁴⁰. By making the jump to an all fibre network we will be following countries like Japan, South Korea and even Spain. Ofcom have shown that as consumers get better download speeds, they consume more data⁴¹. Whilst in the short term most users could make do with speeds that G.fast is capable of providing, this is hardly a compelling argument for the status quo. Demand will keep increasing and it makes sense now to invest in future proofing the network, not papering over the worryingly large gaps.

19. Consumers and businesses are also waiting far too long for faults to be fixed or for new lines to be installed⁴². High levels of dissatisfaction from SMEs should really concern us. These are the businesses that are helping to fuel the economic recover yet fully 42% of SMEs report experiencing problems with their internet connectivity⁴³. Poor service reliability was also a major concern for SMEs, with 29% saying this was an issue⁴⁴. Certain types of business rely on having the fastest possible connections to transfer large amounts of data. These are exactly the kind of businesses that the government is encouraging and are vital to the UK economy. With demand ever growing a bottle neck will continue to narrow unless the network sees serious investment and upgrades. It would seem that business parks have been passed by⁴⁵. Clearly businesses are being held back as well as ordinary consumers having to put up with delays and outages. It is yet another problem of investment and lack of incentive to treat internet users better.

⁴⁰ <http://consumers.ofcom.org.uk/news/connected-nations-report/>, accessed 8 January 2016

⁴¹ <http://stakeholders.ofcom.org.uk/market-data-research/market-data/infrastructure/connected-nations-2015/fixed-broadband-services/>, accessed 8 January 2016

⁴² <http://www.theguardian.com/money/2015/jun/29/bt-openreach-broadband-phone-delays-new-build>, accessed 13 January 2016

⁴³ Ofcom, *Strategic Review of Digital Communications Discussion Document*, 16 July 2015, 28, accessed 8 January 2016, http://stakeholders.ofcom.org.uk/binaries/consultations/dcr_discussion/summary/digital-comms-review.pdf

⁴⁴ Ofcom, *Strategic Review of Digital Communications Discussion Document*, 16 July 2015, 28, accessed 8 January 2016, http://stakeholders.ofcom.org.uk/binaries/consultations/dcr_discussion/summary/digital-comms-review.pdf

⁴⁵ <http://www.bbc.co.uk/news/technology-34972702>

Tackling Openreach – Selling off Openreach

20. A number of possible solutions to the Openreach problem have been suggested by organisations like Ofcom, other internet providers and city analysts^{46 47}. Openreach is considering its options and is planning to publish its review on Openreach in the very near future. Whilst there is no definitive consensus on how to deal with Openreach, there is broad agreement that some change would be beneficial⁴⁸.

21. This report considers that there is only one real option that would satisfactorily address the Openreach question; the structural separation of BT and Openreach. This means BT would be forced sell off Openreach so it becomes entirely separate company. This would directly address the current reasons BT has to discriminate against competitors. As well as this it would also increase Openreach's incentives to invest in the network and improve on their issues with performance and customer services.

22. This report believes that formally separating BT and Openreach into two fully separate companies would be of immense value to the UK digital economy. The current model actually constrains BT. It makes perfect sense for BT to favour the status quo and underinvest across all the broadband services it provides through Openreach. It has a 'natural monopoly' and severely restricts proper competition. This hurts all internet users, as well as the wider UK economy. The current arrangement is a hangover from the days of nationalised businesses.

23. Under the proposal in this British infrastructure Group report, Openreach would operate as a totally independent company, no longer tied to BT. By opening up to competition it would ensure that Openreach could turn to investing in the future and focus on digital innovation. Rather than having to obey the orders of BT it could

“Formally separating BT and Openreach into two fully separate companies would be of immense value to the UK digital economy”

“Real competition would force the pace of investment to increase”

“The time has come for a bold and comprehensive solution, full separation and deregulation will provide that solution”

⁴⁶ Ofcom, *Strategic Review of Digital Communications Discussion Document*, 16 July 2015, 9-10, accessed 8 January 2016, http://stakeholders.ofcom.org.uk/binaries/consultations/dcr_discussion/summary/digital-comms-review.pdf

⁴⁷ <http://www.bbc.co.uk/news/business-34972638>, accessed 15 January 2016

⁴⁸ <http://www.independent.co.uk/news/business/news/the-status-quo-is-not-an-option-for-bt-openreach-says-ofcom-a6756671.html>, accessed 13 January 2016

search out long term investment and partners for itself. It could seek this from all manner of sources, such as pension funds, and open up the market to greater competition. Meanwhile real competition would force the pace of investment to increase as companies would not be able to rest on their laurels and compete for custom by offering better speeds and cheaper deals.

24. Unless BT and Openreach are formally separated to become two entirely independent companies little will change. They will continue to paper over gaping cracks. Whilst rural SMEs and consumers are left with dire speeds, or even no service at all, Openreach makes vast profits and finds little reason to invest in the network, install new lines or even fix faults in a properly timely manner⁴⁹. The time has come for a bold and comprehensive solution, full separation and deregulation will provide that solution.

⁴⁹ <http://www.cbronline.com/news/telecoms/carrier/bt-reports-best-ever-quarter-for-openreach-amidst-revenue-dip-4570948>, accessed 14 January 2016

Looking to the Future – A World Leading Digital Economy

“We should be leading the world on digital investment and innovation”

25. This report has shown the problems that the UK broadband network is facing. It has argued that the current situation of large inconsistencies in service and numbers of areas suffering from slow or non-existent connections is untenable. The UK economy is reliant on its digital sector and it is currently being held back by underinvestment stemming from the monopoly being run by BT and Openreach that stifles competition and hurts the end users, be they businesses or ordinary consumers.

“Open up the market, separate Openreach from BT and reap the rewards”

26. We deserve better. We should be leading the world on digital investment and innovation. Instead we have a company that clings to outdated copper technology with no long term plan for the future. We need to start converting to a fully fibre network so we are not left behind the other nations rushing to embrace digital advancement. But we will only achieve this by taking action to open up the sector and formally separate BT and Openreach. The benefits this will bring are potentially enormous.

27. Therefore there should be no more delays, no more small incremental changes. A bold proactive decision is needed for the benefit of the UK economy and those of us who use the internet every day. Open up the market, separate Openreach from BT and reap the rewards.

Appendix 1 – Constituency Level Broadband Quality and Availability Rankings

Broadband constituency level analysis.

Source: House of Commons Library

Constituency	Region	Rank - superfast availability	Rank - ultrafast availability	Rank - average download speed	Rank - highest % connections under 2 Mb/s	Rank - highest % connections under 10 Mb/s	Rank - highest % connections over 30 Mb/s
Aberavon	Wales	318	222	56	210	413	123
Aberconwy	Wales	587	58	639	146	31	644
Aberdeen North	Scotland	375	218	499	437	379	529
Aberdeen South	Scotland	440	416	516	374	244	527
Airdrie and Shotts	Scotland	547	181	256	277	270	345
Aldershot	South East	154	=477	8	391	584	20
Aldridge-Brownhills	West Midlands	290	=477	295	558	421	321
Altrincham and Sale West	North West	214	247	227	443	465	174
Alyn and Deeside	Wales	333	52	505	191	81	448
Amber Valley	East Midlands	446	=477	569	267	139	564
Angus	Scotland	572	177	575	213	143	583
Arfon	Wales	342	37	501	95	208	489
Argyll and Bute	Scotland	647	106	649	52	2	648
Arundel and South Downs	South East	500	180	520	226	132	513
Ashfield	East Midlands	113	461	31	363	495	42
Ashford	South East	488	260	361	82	116	331
Ashton-under-Lyne	North West	77	=477	355	530	252	367
Aylesbury	South East	311	396	290	402	340	261
Ayr, Carrick and Cumnock	Scotland	550	225	602	302	85	598
Banbury	South East	474	119	428	224	174	387
Banff and Buchan	Scotland	583	104	616	97	32	610
Barking	London	92	108	239	417	367	206

Barnsley Central	Yorkshire and The Humber	274	=477	234	511	453	244
Barnsley East	Yorkshire and The Humber	448	=477	425	169	172	443
Barrow and Furness	North West	334	355	500	219	198	502
Basildon and Billericay	East of England	414	=477	291	371	336	288
Basingstoke	South East	331	441	222	133	276	87
Bassetlaw	East Midlands	466	262	573	15	58	517
Bath	South West	285	209	333	445	389	285
Batley and Spennings	Yorkshire and The Humber	357	=477	421	389	249	449
Battersea	London	89	54	283	626	602	293
Beaconsfield	South East	436	=477	410	360	384	386
Beckenham	London	65	308	64	523	612	78
Bedford	East of England	84	216	48	492	597	30
Belfast East	Northern Ireland	74	=477	35	615	635	40
Belfast North	Northern Ireland	42	=477	39	612	634	62
Belfast South	Northern Ireland	12	469	15	515	647	2
Belfast West	Northern Ireland	5	=477	42	116	375	3
Bermondsey and Old Southwark	London	536	57	467	405	373	547
Berwickshire, Roxburgh and Selkirk	Scotland	609	69	605	183	64	603
Berwick-upon-Tweed	North East	516	90	537	119	118	520
Bethnal Green and Bow	London	462	80	515	602	346	596
Beverley and Holderness	Yorkshire and The Humber	643	31	549	217	191	607
Bexhill and Battle	South East	486	170	561	271	138	561
Bexleyheath and Crayford	London	194	290	230	439	354	275
Birkenhead	North West	135	313	181	562	600	291
Birmingham,	West Midlands	138	421	89	526	606	118

Edgbaston								
Birmingham, Erdington	West Midlands	132	50	124	326	329	84	
Birmingham, Hall Green	West Midlands	38	474	183	595	615	150	
Birmingham, Hodge Hill	West Midlands	7	=477	191	350	210	65	
Birmingham, Ladywood	West Midlands	539	148	396	625	599	484	
Birmingham, Northfield	West Midlands	152	=477	40	513	419	51	
Birmingham, Perry Barr	West Midlands	30	372	119	478	426	82	
Birmingham, Selly Oak	West Midlands	40	475	43	617	613	63	
Birmingham, Yardley	West Midlands	27	=477	76	586	567	79	
Bishop Auckland	North East	529	387	568	134	125	550	
Blackburn	North West	155	353	305	403	206	276	
Blackley and Broughton	North West	326	244	409	221	180	403	
Blackpool North and Cleveleys	North West	71	=477	368	466	393	413	
Blackpool South	North West	195	293	232	544	582	336	
Blaenau Gwent	Wales	122	159	538	356	281	571	
Blaydon	North East	535	=477	412	345	182	503	
Blyth Valley	North East	91	315	514	321	119	471	
Bognor Regis and Littlehampton	South East	255	236	497	362	257	476	
Bolsover	East Midlands	502	368	465	190	246	510	
Bolton North East	North West	133	473	187	361	382	173	
Bolton South East	North West	37	424	246	453	371	248	
Bolton West	North West	156	=477	188	503	534	234	
Bootle	North West	15	=477	6	517	532	45	
Boston and Skegness	East Midlands	527	289	563	135	95	537	
Bosworth	East Midlands	471	437	329	205	277	343	

Bournemouth East	South West	2	2	116	566	568	80
Bournemouth West	South West	120	1	190	502	531	215
Bracknell	South East	265	=477	216	198	348	99
Bradford East	Yorkshire and The Humber	242	=477	258	591	551	278
Bradford South	Yorkshire and The Humber	179	=477	226	427	332	231
Bradford West	Yorkshire and The Humber	248	=477	265	484	548	249
Braintree	East of England	600	=477	539	55	109	519
Brecon and Radnorshire	Wales	622	32	642	18	12	647
Brent Central	London	271	91	407	379	306	402
Brent North	London	148	45	248	516	484	213
Brentford and Isleworth	London	172	110	128	587	550	135
Brentwood and Ongar	East of England	505	=477	498	111	93	482
Bridgend	Wales	409	219	524	178	77	481
Bridgwater and West Somerset	South West	555	68	606	102	21	577
Brigg and Goole	Yorkshire and The Humber	540	472	576	19	96	574
Brighton, Kemptown	South East	160	=477	149	471	596	157
Brighton, Pavilion	South East	126	410	26	554	561	12
Bristol East	South West	128	251	23	578	555	24
Bristol North West	South West	116	=477	17	529	608	22
Bristol South	South West	22	130	3	648	644	4
Bristol West	South West	323	240	81	649	650	74
Broadland	East of England	574	314	595	42	79	578
Bromley and Chislehurst	London	146	=477	108	582	505	137

Bromsgrove	West Midlands	434	428	437	159	101	392
Broxbourne	East of England	130	=477	70	272	444	41
Broxtowe	East Midlands	193	447	72	426	486	68
Buckingham	South East	597	252	582	32	47	560
Burnley	North West	46	342	203	355	365	187
Burton	East Midlands	430	405	546	50	40	480
Bury North	North West	233	=477	450	385	149	398
Bury South	North West	108	443	300	442	431	307
Bury St Edmunds	East of England	523	294	503	118	131	465
Caerphilly	Wales	358	300	532	164	99	504
Caithness, Sutherland and Easter Ross	Scotland	637	113	640	29	14	640
Calder Valley	Yorkshire and The Humber	560	=477	478	233	165	538
Camberwell and Peckham	London	301	390	370	473	312	361
Camborne and Redruth	South West	399	5	518	170	142	514
Cambridge	East of England	127	162	65	509	588	10
Cannock Chase	West Midlands	228	=477	438	456	222	436
Canterbury	South East	397	449	534	243	156	521
Cardiff Central	Wales	266	172	32	318	571	6
Cardiff North	Wales	79	=477	212	364	369	106
Cardiff South and Penarth	Wales	210	101	167	253	386	121
Cardiff West	Wales	123	454	98	519	477	95
Carlisle	North West	251	245	483	74	27	455
Carmarthen East and Dinefwr	Wales	645	30	648	2	4	649
Carmarthen West and South Pembrokeshire	Wales	627	64	644	12	9	643
Carshalton and	London	62	295	67	491	469	61

Wallington							
Castle Point	East of England	212	=477	338	475	321	340
Central Ayrshire	Scotland	389	263	357	349	228	456
Central Devon	South West	607	109	617	94	23	609
Central Suffolk and North Ipswich	East of England	561	202	458	59	69	467
Ceredigion	Wales	570	16	641	3	7	633
Charnwood	East Midlands	329	345	297	257	353	284
Chatham and Aylesford	South East	241	=477	33	373	489	54
Cheadle	North West	61	445	112	621	614	170
Chelmsford	East of England	139	=477	243	394	320	155
Chelsea and Fulham	London	196	103	346	598	624	412
Cheltenham	South West	260	269	144	283	432	53
Chesham and Amersham	South East	413	402	309	412	414	271
Chesterfield	East Midlands	418	279	455	252	97	450
Chichester	South East	499	238	522	79	152	501
Chingford and Woodford Green	London	26	38	162	606	485	168
Chippenham	South West	469	332	433	383	291	420
Chipping Barnet	London	330	382	434	369	173	356
Chorley	North West	280	139	308	173	350	290
Christchurch	South West	378	393	441	211	155	430
Cities of London and Westminster	London	465	131	585	514	392	638
City of Chester	North West	367	49	495	228	105	462
City of Durham	North East	322	398	492	108	144	433
Clacton	East of England	454	=477	544	160	150	518

Cleethorpes	Yorkshire and The Humber	257	=477	99	404	558	184
Clwyd South	Wales	444	39	615	93	53	602
Clwyd West	Wales	573	59	637	63	60	641
Coatbridge, Chryston and Bellshill	Scotland	320	142	199	203	272	268
Colchester	East of England	250	=477	146	330	437	109
Colne Valley	Yorkshire and The Humber	501	419	375	192	146	394
Congleton	North West	427	237	487	294	241	468
Copeland	North West	563	277	621	56	29	614
Corby	East Midlands	410	121	345	216	313	364
Coventry North East	West Midlands	129	227	198	458	403	188
Coventry North West	West Midlands	217	=477	251	512	383	239
Coventry South	West Midlands	435	=477	402	536	428	431
Crawley	South East	29	306	34	305	476	8
Crewe and Nantwich	North West	276	168	468	162	121	389
Croydon Central	London	90	160	192	565	575	226
Croydon North	London	173	21	264	607	603	319
Croydon South	London	174	464	145	452	425	140
Cumbernauld, Kilsyth and Kirkintilloch East	Scotland	419	347	182	72	319	218
Cynon Valley	Wales	247	133	564	117	107	534
Dagenham and Rainham	London	55	254	178	408	341	148
Darlington	North East	50	=477	30	265	455	28
Dartford	South East	370	207	401	239	181	417
Daventry	East Midlands	542	200	510	51	111	505
Delyn	Wales	404	44	570	43	57	528
Denton and Reddish	North West	20	465	185	432	368	175
Derby North	East Midlands	107	=477	84	481	504	49

Derby South	East Midlands	206	427	133	537	574	141
Derbyshire Dales	East Midlands	634	223	638	35	20	637
Devizes	South West	588	=477	490	181	66	557
Dewsbury	Yorkshire and The Humber	544	=477	411	155	123	437
Don Valley	Yorkshire and The Humber	566	423	477	148	262	515
Doncaster Central	Yorkshire and The Humber	371	226	323	441	404	326
Doncaster North	Yorkshire and The Humber	487	=477	424	238	137	457
Dover	South East	509	425	436	157	204	461
Dudley North	West Midlands	246	=477	175	454	357	216
Dudley South	West Midlands	207	=477	159	546	422	163
Dulwich and West Norwood	London	56	=477	254	599	601	235
Dumfries and Galloway	Scotland	585	76	613	151	51	606
Dumfriesshire, Clydesdale and Tweeddale	Scotland	628	65	634	125	11	626
Dundee East	Scotland	294	250	58	494	570	167
Dundee West	Scotland	272	267	36	549	629	100
Dunfermline and West Fife	Scotland	470	324	526	180	59	472
Dwyfor Meirionnydd	Wales	475	20	572	40	15	522
Ealing Central and Acton	London	184	193	214	613	604	182
Ealing North	London	47	102	282	392	391	180
Ealing, Southall	London	205	301	404	455	188	380
Easington	North East	259	=477	517	98	153	473
East Antrim	Northern Ireland	457	303	408	104	231	304
East Devon	South West	545	338	543	76	103	535
East Dunbartonshire	Scotland	327	203	59	564	542	225

East Ham	London	6	25	447	333	78	432
East Hampshire	South East	526	=477	457	387	339	500
East Kilbride, Strathaven and Lesmahagow	Scotland	362	261	164	137	289	192
East Londonderry	Northern Ireland	513	=477	431	31	305	297
East Lothian	Scotland	613	285	593	354	233	617
East Renfrewshire	Scotland	412	257	172	538	506	259
East Surrey	South East	279	86	289	390	461	274
East Worthing and Shoreham	South East	24	434	51	620	625	83
East Yorkshire	Yorkshire and The Humber	562	201	557	179	186	573
Eastbourne	South East	73	229	482	322	168	438
Eastleigh	South East	302	=477	325	468	352	322
Eddisbury	North West	534	79	571	92	76	540
Edinburgh East	Scotland	303	413	140	583	618	185
Edinburgh North and Leith	Scotland	408	270	177	601	637	243
Edinburgh South	Scotland	143	150	24	650	646	71
Edinburgh South West	Scotland	200	354	9	640	648	35
Edinburgh West	Scotland	461	358	101	470	490	198
Edmonton	London	9	=477	165	593	569	144
Ellesmere Port and Neston	North West	282	327	280	315	343	301
Elmet and Rothwell	Yorkshire and The Humber	468	=477	473	100	190	490
Eltham	London	31	233	209	557	502	142
Enfield North	London	39	275	86	414	303	33
Enfield, Southgate	London	32	440	83	563	564	72
Epping Forest	East of England	287	=477	221	266	378	191

Epsom and Ewell	South East	68	171	115	571	510	102
Erewash	East Midlands	164	453	195	506	446	199
Erith and Thamesmead	London	201	272	360	398	225	363
Esher and Walton	South East	64	176	74	522	572	47
Exeter	South West	166	9	152	434	377	146
Falkirk	Scotland	308	316	50	444	406	143
Fareham	South East	231	=477	113	367	474	124
Faversham and Mid Kent	South East	483	284	384	57	273	370
Feltham and Heston	London	98	415	132	365	318	67
Fermanagh and South Tyrone	Northern Ireland	614	=477	462	5	91	341
Filton and Bradley Stoke	South West	256	456	126	244	429	90
Finchley and Golders Green	London	176	=477	322	600	552	302
Folkestone and Hythe	South East	519	273	417	214	301	464
Forest of Dean	South West	625	43	633	81	28	630
Foyle	Northern Ireland	189	=477	293	285	462	147
Fylde	North West	386	183	439	292	247	463
Gainsborough	East Midlands	533	178	488	84	104	497
Garston and Halewood	North West	48	173	241	479	492	308
Gateshead	North East	268	420	47	534	577	112
Gedling	East Midlands	4	=477	12	584	630	11
Gillingham and Rainham	South East	25	=477	2	493	617	13
Glasgow Central	Scotland	594	134	429	634	589	546
Glasgow East	Scotland	449	429	389	261	158	477
Glasgow North	Scotland	239	378	205	624	593	219
Glasgow North East	Scotland	383	288	292	393	374	358
Glasgow North West	Scotland	309	129	296	589	402	335
Glasgow South	Scotland	432	234	273	552	511	369

Glasgow South West	Scotland	473	107	554	64	82	558
Glenrothes	Scotland	439	346	120	419	436	237
Gloucester	South West	218	433	25	311	500	26
Gordon	Scotland	593	100	604	175	70	600
Gosport	South East	86	=477	52	348	546	52
Gower	Wales	298	78	362	273	424	408
Grantham and Stamford	East Midlands	504	253	403	209	171	400
Gravesham	South East	230	184	261	336	302	257
Great Grimsby	Yorkshire and The Humber	63	=477	1	610	626	7
Great Yarmouth	East of England	273	336	307	396	420	306
Greenwich and Woolwich	London	355	55	321	603	538	327
Guildford	South East	215	122	91	308	512	38
Hackney North and Stoke Newington	London	185	=477	268	627	598	241
Hackney South and Shoreditch	London	289	195	350	635	578	397
Halesowen and Rowley Regis	West Midlands	232	=477	169	575	518	236
Halifax	Yorkshire and The Humber	216	=477	365	309	227	352
Haltemprice and Howden	Yorkshire and The Humber	646	19	558	409	202	623
Halton	North West	208	=477	238	197	290	247
Hammersmith	London	310	188	383	611	576	429
Hampstead and Kilburn	London	87	=477	141	644	642	154
Harborough	East Midlands	262	377	330	487	478	342
Harlow	East of England	234	=477	29	260	418	29

Harrogate and Knaresborough	Yorkshire and The Humber	188	276	194	528	580	229
Harrow East	London	88	=477	218	476	388	151
Harrow West	London	94	283	208	545	471	152
Hartlepool	North East	182	=477	22	124	450	14
Harwich and North Essex	East of England	632	=477	607	24	120	616
Hastings and Rye	South East	313	344	523	127	100	492
Havant	South East	57	=477	57	488	535	81
Hayes and Harlington	London	235	=477	228	541	433	232
Hazel Grove	North West	80	246	85	543	537	138
Hemel Hempstead	East of England	286	389	122	229	411	101
Hemsworth	Yorkshire and The Humber	403	=477	521	34	117	488
Hendon	London	105	74	349	590	399	337
Henley	South East	618	126	536	139	133	567
Hereford and South Herefordshire	West Midlands	451	40	551	26	25	485
Hertford and Stortford	East of England	325	=477	158	424	533	171
Hertsmere	East of England	115	470	170	449	482	115
Hexham	North East	484	146	552	105	148	553
Heywood and Middleton	North West	177	409	284	370	324	253
High Peak	East Midlands	577	471	566	177	213	585
Hitchin and Harpenden	East of England	402	298	163	241	499	159
Holborn and St Pancras	London	171	305	220	638	643	287
Hornchurch and Upminster	London	76	458	173	548	503	200
Hornsey and Wood Green	London	99	384	117	637	623	122
Horsham	South East	405	111	452	194	163	379
Houghton and	North East	264	459	379	279	199	350

Sunderland South							
Hove	South East	35	166	60	581	636	64
Huddersfield	Yorkshire and The Humber	223	=477	114	145	209	103
Huntingdon	East of England	291	317	207	298	435	134
Hyndburn	North West	151	463	336	259	278	318
Ilford North	London	82	=477	142	533	448	98
Ilford South	London	59	15	224	633	627	262
Inverclyde	Scotland	480	404	62	498	544	178
Inverness, Nairn, Badenoch and Strathspey	Scotland	603	85	597	113	26	556
Ipswich	East of England	106	194	134	524	498	129
Isle of Wight	South East	415	281	525	295	292	566
Islington North	London	140	117	186	641	628	189
Islington South and Finsbury	London	312	167	298	639	616	354
Islwyn	Wales	354	230	601	153	39	572
Jarrow	North East	226	=477	100	248	317	113
Keighley	Yorkshire and The Humber	293	=477	312	400	441	338
Kenilworth and Southam	West Midlands	494	163	398	61	258	353
Kensington	London	103	190	267	561	416	305
Kettering	East Midlands	275	144	249	291	473	267
Kilmarnock and Loudoun	Scotland	558	266	590	80	62	559
Kingston and Surbiton	London	75	264	37	636	631	32
Kingston upon Hull East	Yorkshire and The Humber	649	24	630	462	10	634
Kingston upon Hull North	Yorkshire and The Humber	639	6	466	540	221	548

Kingston upon Hull West and Hessle	Yorkshire and The Humber	648	17	594	594	196	635
Kingswood	South West	67	438	19	508	586	16
Kirkcaldy and Cowdenbeath	Scotland	485	373	306	459	590	410
Knowsley	North West	114	364	148	270	334	203
Lagan Valley	Northern Ireland	478	291	372	58	217	263
Lanark and Hamilton East	Scotland	425	312	332	240	331	395
Lancaster and Fleetwood	North West	437	112	507	418	356	545
Leeds Central	Yorkshire and The Humber	463	120	364	254	265	385
Leeds East	Yorkshire and The Humber	21	=477	131	570	459	158
Leeds North East	Yorkshire and The Humber	19	=477	109	386	501	96
Leeds North West	Yorkshire and The Humber	198	=477	233	507	521	240
Leeds West	Yorkshire and The Humber	18	=477	105	457	417	110
Leicester East	East Midlands	192	=477	269	440	516	190
Leicester South	East Midlands	244	=477	104	646	639	85
Leicester West	East Midlands	170	=477	54	480	460	23
Leigh	North West	60	=477	73	222	395	59
Lewes	South East	458	154	527	344	242	551
Lewisham East	London	66	=477	263	572	573	256
Lewisham West and Penge	London	44	22	277	609	609	286
Lewisham, Deptford	London	345	63	400	551	347	423
Leyton and Wanstead	London	13	23	125	608	619	127
Lichfield	West Midlands	376	=477	328	376	314	329
Lincoln	East Midlands	53	399	5	317	581	1

Linlithgow and East Falkirk	Scotland	554	211	340	429	267	441
Liverpool, Riverside	North West	467	61	317	643	622	414
Liverpool, Walton	North West	51	369	82	550	620	194
Liverpool, Wavertree	North West	3	48	77	647	649	149
Liverpool, West Derby	North West	14	310	93	227	316	88
Livingston	Scotland	518	153	299	324	304	359
Llanelli	Wales	612	350	632	62	45	631
Loughborough	East Midlands	253	=477	166	465	563	132
Louth and Horncastle	East Midlands	586	352	579	46	89	592
Ludlow	West Midlands	616	96	619	85	48	625
Luton North	East of England	1	=477	38	290	475	9
Luton South	East of England	178	=477	80	320	541	31
Macclesfield	North West	296	197	242	338	447	246
Maidenhead	South East	373	255	301	245	410	245
Maidstone and The Weald	South East	384	323	326	346	362	310
Makerfield	North West	100	=477	92	504	520	160
Maldon	East of England	629	=477	581	103	126	588
Manchester Central	North West	532	105	511	580	269	581
Manchester, Gorton	North West	150	=477	392	310	229	355
Manchester, Withington	North West	36	=477	154	629	587	117
Mansfield	East Midlands	101	444	103	451	445	91
Meon Valley	South East	481	335	294	242	230	281
Meriden	West Midlands	353	299	123	395	509	139
Merthyr Tydfil and Rhymney	Wales	640	118	626	75	16	597
Mid Bedfordshire	East of England	511	361	341	91	284	378
Mid Derbyshire	East Midlands	377	=477	314	168	390	289

Mid Dorset and North Poole	South West	431	67	359	331	264	366
Mid Norfolk	East of England	602	=477	592	53	108	589
Mid Sussex	South East	356	125	460	433	282	440
Mid Ulster	Northern Ireland	615	=477	464	10	218	396
Mid Worcestershire	West Midlands	522	217	560	109	61	524
Middlesbrough	North East	202	=477	45	501	557	69
Middlesbrough South and East Cleveland	North East	364	=477	66	397	528	126
Midlothian	Scotland	571	152	611	20	34	579
Milton Keynes North	South East	391	29	459	126	128	428
Milton Keynes South	South East	249	35	406	110	170	333
Mitcham and Morden	London	52	186	168	535	458	125
Mole Valley	South East	398	81	353	289	333	311
Monmouth	Wales	569	47	629	68	17	613
Montgomeryshire	Wales	598	18	645	9	6	645
Moray	Scotland	581	138	600	165	72	599
Morecambe and Lunesdale	North West	395	175	463	388	147	516
Morley and Outwood	Yorkshire and The Humber	344	=477	399	189	184	409
Motherwell and Wishaw	Scotland	237	333	63	474	515	179
Na h-Eileanan an Iar	Scotland	650	46	650	1	1	650
Neath	Wales	270	87	358	353	299	435
New Forest East	South East	515	278	449	201	193	452
New Forest West	South East	521	297	531	269	236	532
Newark	East Midlands	479	311	348	88	194	347
Newbury	South East	564	286	419	225	263	445

Newcastle upon Tyne Central	North East	307	77	259	628	610	325
Newcastle upon Tyne East	North East	238	=477	136	592	579	165
Newcastle upon Tyne North	North East	220	467	388	264	200	381
Newcastle-under-Lyme	West Midlands	433	391	303	263	205	303
Newport East	Wales	263	115	236	438	434	251
Newport West	Wales	429	185	244	307	335	208
Newry and Armagh	Northern Ireland	589	256	489	11	187	451
Newton Abbot	South West	503	357	432	249	215	466
Normanton, Pontefract and Castleford	Yorkshire and The Humber	269	=477	394	328	280	404
North Antrim	Northern Ireland	596	455	475	21	175	425
North Ayrshire and Arran	Scotland	610	135	620	358	124	632
North Cornwall	South West	455	11	508	87	176	512
North Devon	South West	556	192	574	78	98	570
North Dorset	South West	608	196	610	39	106	605
North Down	Northern Ireland	288	=477	380	236	323	223
North Durham	North East	423	381	540	281	212	530
North East Bedfordshire	East of England	549	=477	356	22	178	376
North East Cambridgeshire	East of England	424	258	446	375	361	475
North East Derbyshire	East Midlands	538	=477	598	114	37	563
North East Fife	Scotland	595	128	583	276	63	604
North East Hampshire	South East	443	340	235	359	454	222
North East Hertfordshire	East of England	568	=477	286	319	401	323
North East Somerset	South West	599	329	451	143	177	494
North Herefordshire	West Midlands	638	34	643	6	8	639

North Norfolk	East of England	611	=477	627	66	36	627
North Shropshire	West Midlands	584	93	589	48	46	580
North Somerset	South West	508	326	386	312	237	421
North Swindon	South West	530	=477	260	380	387	299
North Thanet	South East	305	431	548	255	197	542
North Tyneside	North East	428	=477	366	446	211	388
North Warwickshire	West Midlands	392	371	391	193	300	415
North West Cambridgeshire	East of England	438	206	373	77	268	332
North West Durham	North East	498	322	577	106	112	562
North West Hampshire	South East	495	95	371	323	223	368
North West Leicestershire	East Midlands	393	432	250	258	412	242
North West Norfolk	East of England	528	394	588	121	54	568
North Wiltshire	South West	591	418	541	112	84	575
Northampton North	East Midlands	45	=477	102	542	415	120
Northampton South	East Midlands	191	249	180	567	524	205
Norwich North	East of England	10	=477	206	436	338	119
Norwich South	East of England	142	=477	193	573	562	93
Nottingham East	East Midlands	168	213	71	632	633	37
Nottingham North	East Midlands	8	=477	20	485	470	17
Nottingham South	East Midlands	324	414	79	435	536	77
Nuneaton	West Midlands	163	=477	201	220	363	128
Ochil and South Perthshire	Scotland	633	169	622	89	73	628
Ogmore	Wales	368	231	559	17	115	523
Old Bexley and Sidcup	London	197	=477	334	246	203	280
Oldham East and Saddleworth	North West	240	=477	276	207	315	195
Oldham West and Royton	North West	17	=477	151	256	274	73
Orkney and Shetland	Scotland	641	41	646	13	5	646

Orpington	London	213	417	174	423	439	196
Oxford East	South East	97	205	96	518	549	48
Oxford West and Abingdon	South East	34	71	215	416	493	153
Paisley and Renfrewshire North	Scotland	506	164	255	301	259	349
Paisley and Renfrewshire South	Scotland	416	161	129	532	517	270
Pendle	North West	211	221	354	425	497	401
Penistone and Stocksbridge	Yorkshire and The Humber	606	468	591	71	67	586
Penrith and The Border	North West	624	136	636	4	13	629
Perth and North Perthshire	Scotland	565	174	319	284	287	377
Peterborough	East of England	222	408	150	368	398	92
Plymouth, Moor View	South West	109	=477	14	230	508	15
Plymouth, Sutton and Devonport	South West	162	=477	13	597	611	21
Pontypridd	Wales	278	366	413	306	159	393
Poole	South West	43	8	197	489	514	202
Poplar and Limehouse	London	407	28	496	431	160	531
Portsmouth North	South East	69	=477	11	520	592	36
Portsmouth South	South East	110	=477	10	527	543	5
Preseli Pembrokeshire	Wales	575	66	623	23	18	608
Preston	North West	85	407	204	577	545	204
Pudsey	Yorkshire and The Humber	187	=477	275	464	376	272
Putney	London	337	92	369	525	359	346
Rayleigh and Wickford	East of England	366	=477	420	448	294	407
Reading East	South East	183	=477	97	642	641	104
Reading West	South East	134	208	176	401	394	116
Redcar	North East	141	403	18	314	451	43

Redditch	West Midlands	348	337	160	351	349	181
Reigate	South East	203	360	219	461	519	221
Rhondda	Wales	199	422	603	141	83	594
Ribble Valley	North West	365	145	422	202	219	442
Richmond (Yorks)	Yorkshire and The Humber	464	359	491	123	254	479
Richmond Park	London	167	292	46	559	632	58
Rochdale	North West	131	460	378	204	157	320
Rochester and Strood	South East	394	406	266	274	307	273
Rochford and Southend East	East of England	186	=477	138	622	638	212
Romford	London	111	339	118	335	358	89
Romsey and Southampton North	South East	557	94	418	163	68	453
Ross, Skye and Lochaber	Scotland	642	51	647	14	3	642
Rossendale and Darwen	North West	442	370	415	122	226	439
Rother Valley	Yorkshire and The Humber	552	83	512	90	130	541
Rotherham	Yorkshire and The Humber	284	462	304	313	201	296
Rugby	West Midlands	346	362	285	167	239	233
Ruislip, Northwood and Pinner	London	58	=477	184	497	530	133
Runnymede and Weybridge	South East	121	140	213	407	464	164
Rushcliffe	East Midlands	328	=477	179	299	556	169
Rutherglen and Hamilton West	Scotland	243	189	147	382	351	238
Rutland and Melton	East Midlands	551	187	427	158	256	434
Saffron Walden	East of England	631	426	556	44	75	587
Salford and Eccles	North West	381	165	274	614	559	339

Salisbury	South West	388	375	339	171	216	312
Scarborough and Whitby	Yorkshire and The Humber	335	268	476	316	279	458
Scunthorpe	Yorkshire and The Humber	125	=477	78	65	408	34
Sedgefield	North East	490	343	502	212	220	508
Sefton Central	North West	136	=477	171	428	457	211
Selby and Ainsty	Yorkshire and The Humber	514	53	519	70	88	486
Sevenoaks	South East	492	182	448	231	192	474
Sheffield Central	Yorkshire and The Humber	520	304	382	381	381	424
Sheffield South East	Yorkshire and The Humber	543	=477	493	161	43	506
Sheffield, Brightside and Hillsborough	Yorkshire and The Humber	352	=477	288	60	90	252
Sheffield, Hallam	Yorkshire and The Humber	411	=477	443	142	141	406
Sheffield, Heeley	Yorkshire and The Humber	347	158	347	415	296	360
Sherwood	East Midlands	359	341	245	296	463	254
Shipley	Yorkshire and The Humber	209	98	287	384	370	258
Shrewsbury and Atcham	West Midlands	421	27	530	130	42	483
Sittingbourne and Sheppey	South East	267	271	335	288	345	314
Skipton and Ripon	Yorkshire and The Humber	512	97	553	132	129	554
Sleaford and North Hykeham	East Midlands	553	318	442	27	136	444
Slough	South East	95	=477	271	152	310	201
Solihull	West Midlands	78	430	21	521	565	27
Somerton and Frome	South West	644	239	580	73	49	619

South Antrim	Northern Ireland	510	248	414	67	224	357
South Basildon and East Thurrock	East of England	321	=477	161	195	479	209
South Cambridgeshire	East of England	401	42	315	49	245	277
South Derbyshire	East Midlands	524	411	494	38	102	460
South Dorset	South West	450	363	545	337	189	544
South Down	Northern Ireland	604	=477	472	8	195	419
South East Cambridgeshire	East of England	441	215	367	215	326	362
South East Cornwall	South West	460	26	430	128	360	422
South Holland and The Deepings	East Midlands	580	137	565	196	135	555
South Leicestershire	East Midlands	350	348	435	166	166	390
South Norfolk	East of England	621	450	625	47	24	615
South Northamptonshire	East Midlands	507	89	440	45	87	416
South Ribble	North West	336	204	327	174	342	316
South Shields	North East	297	=477	49	329	430	56
South Staffordshire	West Midlands	531	376	567	25	110	533
South Suffolk	East of England	537	124	535	37	92	525
South Swindon	South West	339	265	137	463	491	161
South Thanet	South East	317	442	504	357	248	499
South West Bedfordshire	East of England	406	=477	223	510	540	255
South West Devon	South West	476	365	311	304	288	328
South West Hertfordshire	South East	363	452	217	342	443	193
South West Norfolk	East of England	578	439	584	36	74	569
South West Surrey	South East	380	179	395	293	309	298
South West Wiltshire	South West	546	=477	351	223	232	391

Southampton, Itchen	South East	252	143	278	495	322	279
Southampton, Test	South East	102	199	157	631	585	207
Southend West	East of England	158	=477	310	568	527	282
Southport	North West	161	412	423	569	529	447
Spelthorne	South East	54	13	257	420	327	266
St Albans	East of England	204	=477	111	410	472	75
St Austell and Newquay	South West	396	14	484	278	266	491
St Helens North	North West	372	334	94	184	293	214
St Helens South and Whiston	North West	349	448	155	347	311	269
St Ives	South West	420	10	506	176	167	511
Stafford	West Midlands	306	435	229	136	255	166
Staffordshire Moorlands	West Midlands	472	36	445	150	145	495
Stalybridge and Hyde	North West	379	446	480	469	238	496
Stevenage	East of England	229	=477	7	430	507	19
Stirling	Scotland	548	149	586	200	35	549
Stockport	North West	33	383	87	618	553	130
Stockton North	North East	360	=477	27	131	427	60
Stockton South	North East	319	=477	53	411	442	55
Stoke-on-Trent Central	West Midlands	70	=477	88	477	449	105
Stoke-on-Trent North	West Midlands	175	=477	202	406	366	210
Stoke-on-Trent South	West Midlands	96	436	344	287	134	351
Stone	West Midlands	590	198	547	187	71	595
Stourbridge	West Midlands	81	=477	110	588	526	107
Strangford	Northern Ireland	525	=477	426	172	344	334
Stratford-on-Avon	West Midlands	582	401	479	186	140	509
Streatham	London	316	302	363	604	607	399
Stretford and Urmston	North West	153	309	240	500	522	250

Stroud	South West	636	220	609	138	33	611
Suffolk Coastal	East of England	517	212	470	156	161	493
Sunderland Central	North East	258	=477	343	343	298	344
Surrey Heath	South East	169	379	44	341	539	18
Sutton and Cheam	London	23	325	75	605	640	86
Sutton Coldfield	West Midlands	104	228	189	505	468	162
Swansea East	Wales	93	147	28	327	467	57
Swansea West	Wales	16	331	16	547	594	25
Tamworth	West Midlands	219	397	252	206	295	227
Tatton	North West	422	132	374	268	243	348
Taunton Deane	South West	489	99	529	182	44	478
Telford	West Midlands	374	=477	121	556	566	197
Tewkesbury	South West	456	210	320	83	250	313
The Cotswolds	South West	630	127	624	54	38	624
The Wrekin	West Midlands	390	466	231	339	466	220
Thirsk and Malton	Yorkshire and The Humber	491	70	481	69	169	446
Thornbury and Yate	South West	385	=477	225	234	330	183
Thurrock	East of England	236	451	139	490	487	177
Tiverton and Honiton	South West	635	235	635	101	65	636
Tonbridge and Malling	South East	482	280	390	144	271	411
Tooting	London	224	374	318	482	496	295
Torbay	South West	400	=477	385	574	488	459
Torfaen	Wales	369	224	444	129	56	470
Torrige and West Devon	South West	626	116	631	33	22	622
Totnes	South West	620	274	587	140	122	612
Tottenham	London	41	395	210	553	513	172
Truro and Falmouth	South West	341	4	471	232	308	498
Tunbridge Wells	South East	417	287	387	340	297	375

Twickenham	London	137	351	69	619	605	94
Tynemouth	North East	261	=477	106	251	400	156
Upper Bann	Northern Ireland	453	=477	456	120	251	383
Uxbridge and South Ruislip	London	117	=477	107	334	396	70
Vale of Clwyd	Wales	277	75	550	325	235	576
Vale of Glamorgan	Wales	343	84	316	208	286	324
Vauxhall	London	165	72	302	616	591	309
Wakefield	Yorkshire and The Humber	292	=477	377	262	183	373
Wallasey	North West	245	296	313	332	234	330
Walsall North	West Midlands	112	155	196	413	452	186
Walsall South	West Midlands	332	476	281	447	380	260
Walthamstow	London	72	12	156	630	554	131
Wansbeck	North East	281	320	533	99	127	507
Wantage	South East	447	56	376	352	283	384
Warley	West Midlands	382	=477	381	421	275	426
Warrington North	North West	340	330	211	96	328	217
Warrington South	North West	225	328	253	422	409	228
Warwick and Leamington	West Midlands	147	400	200	366	480	114
Washington and Sunderland West	North East	145	=477	153	237	372	108
Watford	East of England	118	=477	90	483	494	50
Waveney	East of England	299	141	469	16	164	382
Wealden	South East	541	88	542	247	179	543
Weaver Vale	North West	338	259	397	372	397	427
Wellingborough	East Midlands	300	385	262	378	481	264
Wells	South West	619	356	608	199	114	618
Welwyn Hatfield	East of England	314	=477	135	286	407	111

Wentworth and Dearne	Yorkshire and The Humber	559	=477	486	300	52	526
West Aberdeenshire and Kincardine	Scotland	623	82	618	147	50	621
West Bromwich East	West Midlands	295	=477	279	499	483	283
West Bromwich West	West Midlands	351	367	270	450	325	294
West Dorset	South West	592	191	612	28	41	601
West Dunbartonshire	Scotland	227	388	4	579	595	66
West Ham	London	149	62	352	539	364	365
West Lancashire	North West	496	123	562	282	162	565
West Suffolk	East of England	493	392	474	107	253	487
West Tyrone	Northern Ireland	601	282	485	7	154	418
West Worcestershire	West Midlands	617	241	614	41	19	582
Westminster North	London	459	151	454	645	645	552
Westmorland and Lonsdale	North West	576	114	628	115	30	620
Weston-Super-Mare	South West	579	319	596	280	80	590
Wigan	North West	181	380	127	576	523	230
Wimbledon	London	144	=477	61	596	583	44
Winchester	South East	452	=477	342	303	355	317
Windsor	South East	387	321	324	275	285	265
Wirral South	North West	190	386	272	460	423	292
Wirral West	North West	497	214	509	486	337	591
Witham	East of England	605	=477	513	185	240	536
Witney	South East	426	157	405	250	261	405
Woking	South East	83	242	68	472	547	46
Wokingham	South East	361	232	237	377	456	176
Wolverhampton North East	West Midlands	11	=477	41	555	560	39

Wolverhampton South East	West Midlands	157	=477	143	560	438	136
Wolverhampton South West	West Midlands	49	=477	95	623	621	97
Worcester	West Midlands	119	=477	461	188	94	374
Workington	North West	477	243	578	30	151	584
Worsley and Eccles South	North West	159	=477	130	467	440	145
Worthing West	South East	28	349	247	585	525	224
Wrexham	Wales	283	73	528	297	55	469
Wycombe	South East	254	156	393	235	214	300
Wyre and Preston North	North West	304	60	453	218	185	454
Wyre Forest	West Midlands	315	457	331	399	260	315
Wythenshawe and Sale East	North West	124	=477	55	496	405	76
Yeovil	South West	567	307	599	149	86	593
Ynys Mon	Wales	445	33	555	86	113	539
York Central	Yorkshire and The Humber	180	7	337	531	385	371
York Outer	Yorkshire and The Humber	221	3	416	154	207	372

Appendix 2 – Constituency Level Broadband Quality and Availability Data

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Constituency	Region	Superfast broadband availability %	Ultrafast Broadband availability %	Average Download Speed Mb/s	% of connections < 2 Mb/s	% of connections < 10 Mb/s	% of connections > 30 Mb/s
Aberavon	Wales	88%	0.8%	40.6	5%	32%	47%
Aberconwy	Wales	62%	5.8%	12.8	7%	55%	7%
Aberdeen North	Scotland	85%	0.9%	20.0	3%	34%	21%
Aberdeen South	Scotland	81%	0.1%	19.4	4%	40%	22%
Airdrie and Shotts	Scotland	70%	1.3%	33.4	5%	39%	34%
Aldershot	South East	94%	0.0%	43.9	3%	24%	53%
Aldridge-Brownhills	West Midlands	89%	0.0%	31.4	2%	32%	36%
Altrincham and Sale West	North West	92%	0.6%	34.8	3%	30%	44%
Alyn and Deeside	Wales	87%	6.7%	19.8	6%	49%	28%
Amber Valley	East Midlands	80%	0.0%	17.5	5%	45%	19%
Angus	Scotland	66%	1.3%	17.3	5%	45%	17%
Arfon	Wales	87%	13.0%	19.9	8%	42%	25%
Argyll and Bute	Scotland	25%	2.8%	8.5	9%	86%	3%
Arundel and South Downs	South East	76%	1.3%	19.2	5%	46%	23%
Ashfield	East Midlands	95%	0.0%	42.1	4%	29%	51%
Ashford	South East	76%	0.5%	28.0	8%	46%	35%
Ashton-under-Lyne	North West	96%	0.0%	28.3	2%	39%	33%
Aylesbury	South East	88%	0.1%	32.0	3%	35%	40%
Ayr, Carrick and Cumnock	Scotland	70%	0.8%	16.3	4%	49%	16%
Banbury	South East	77%	2.4%	24.3	5%	43%	32%
Banff and Buchan	Scotland	63%	3.0%	15.5	8%	55%	14%
Barking	London	95%	2.8%	34.4	3%	34%	43%
Barnsley Central	Yorkshire and The	90%	0.0%	34.6	2%	30%	41%

	Humber						
Barnsley East	Yorkshire and The Humber	80%	0.0%	24.6	6%	43%	29%
Barrow and Furness	North West	87%	0.2%	20.0	5%	42%	24%
Basildon and Billericay	East of England	83%	0.0%	31.7	4%	35%	38%
Basingstoke	South East	87%	0.0%	34.8	7%	38%	48%
Bassetlaw	East Midlands	78%	0.5%	17.4	11%	51%	22%
Bath	South West	89%	0.9%	29.4	3%	33%	38%
Batley and Spen	Yorkshire and The Humber	86%	0.0%	24.8	3%	40%	28%
Battersea	London	96%	6.5%	32.2	1%	23%	37%
Beaconsfield	South East	81%	0.0%	25.3	4%	34%	32%
Beckenham	London	96%	0.3%	40.4	2%	22%	49%
Bedford	East of England	96%	0.9%	41.0	2%	23%	52%
Belfast East	Northern Ireland	96%	0.0%	41.9	1%	20%	51%
Belfast North	Northern Ireland	97%	0.0%	41.9	1%	20%	50%
Belfast South	Northern Ireland	98%	0.0%	42.9	2%	17%	58%
Belfast West	Northern Ireland	98%	0.0%	41.6	7%	34%	56%
Bermondsey and Old Southwark	London	72%	5.8%	21.7	3%	34%	20%
Berwickshire, Roxburgh and Selkirk	Scotland	57%	4.9%	16.2	6%	50%	15%
Berwick-upon-Tweed	North East	74%	3.7%	18.6	7%	46%	22%
Bethnal Green and Bow	London	79%	4.0%	19.4	2%	35%	16%
Beverley and Holderness	Yorkshire and The Humber	37%	14.5%	18.3	5%	42%	15%
Bexhill and Battle	South East	77%	1.4%	17.8	5%	45%	19%
Bexleyheath and Crayford	London	93%	0.4%	34.7	3%	35%	39%
Birkenhead	North West	94%	0.3%	36.5	2%	23%	37%
Birmingham, Edgbaston	West Midlands	94%	0.1%	39.4	2%	23%	47%
Birmingham, Erdington	West Midlands	95%	8.0%	38.0	4%	36%	48%
Birmingham, Hall Green	West Midlands	97%	0.0%	36.4	2%	22%	45%

Birmingham, Hodge Hill	West Midlands	98%	0.0%	36.2	4%	41%	49%
Birmingham, Ladywood	West Midlands	72%	1.8%	26.1	1%	23%	25%
Birmingham, Northfield	West Midlands	94%	0.0%	41.7	2%	32%	50%
Birmingham, Perry Barr	West Midlands	97%	0.1%	38.2	3%	32%	48%
Birmingham, Selly Oak	West Midlands	97%	0.0%	41.5	1%	22%	49%
Birmingham, Yardley	West Midlands	97%	0.0%	40.1	2%	25%	49%
Bishop Auckland	North East	73%	0.1%	17.6	7%	46%	20%
Blackburn	North West	94%	0.2%	31.0	3%	42%	39%
Blackley and Broughton	North West	88%	0.6%	25.3	5%	43%	31%
Blackpool North and Cleveleys	North West	96%	0.0%	27.8	3%	33%	31%
Blackpool South	North West	93%	0.4%	34.6	2%	24%	35%
Blaenau Gwent	Wales	95%	1.6%	18.6	4%	38%	18%
Blaydon	North East	72%	0.0%	25.2	4%	43%	24%
Blyth Valley	North East	95%	0.3%	19.5	4%	46%	26%
Bognor Regis and Littlehampton	South East	91%	0.7%	20.3	4%	39%	26%
Bolsover	East Midlands	75%	0.2%	21.8	6%	40%	23%
Bolton North East	North West	95%	0.0%	36.2	4%	34%	44%
Bolton South East	North West	97%	0.0%	34.0	3%	34%	40%
Bolton West	North West	94%	0.0%	36.2	2%	27%	41%
Bootle	North West	97%	0.0%	44.4	2%	27%	51%
Boston and Skegness	East Midlands	73%	0.4%	17.7	7%	48%	20%
Bosworth	East Midlands	78%	0.0%	29.6	6%	38%	35%
Bournemouth East	South West	99%	50.2%	38.2	2%	25%	49%
Bournemouth West	South West	95%	56.7%	36.2	2%	27%	42%
Bracknell	South East	90%	0.0%	35.1	6%	35%	47%
Bradford East	Yorkshire and The Humber	91%	0.0%	33.3	2%	26%	38%
Bradford South	Yorkshire and The Humber	93%	0.0%	34.8	3%	35%	42%
Bradford West	Yorkshire and The	91%	0.0%	33.1	3%	26%	40%

	Humber						
Braintree	East of England	60%	0.0%	18.6	8%	47%	22%
Brecon and Radnorshire	Wales	54%	13.7%	11.7	11%	61%	5%
Brent Central	London	90%	3.7%	25.3	4%	36%	31%
Brent North	London	94%	9.7%	34.0	2%	29%	42%
Brentford and Isleworth	London	94%	2.7%	38.0	2%	26%	46%
Brentwood and Ongar	East of England	75%	0.0%	20.2	7%	48%	25%
Bridgend	Wales	83%	0.9%	19.0	6%	49%	25%
Bridgwater and West Somerset	South West	70%	5.0%	16.2	7%	57%	18%
Brigg and Goole	Yorkshire and The Humber	72%	0.0%	17.3	11%	48%	18%
Brighton, Kemptown	South East	94%	0.0%	37.5	3%	23%	45%
Brighton, Pavilion	South East	95%	0.1%	42.3	2%	26%	54%
Bristol East	South West	95%	0.6%	42.4	2%	26%	52%
Bristol North West	South West	95%	0.0%	42.9	2%	22%	53%
Bristol South	South West	97%	2.1%	45.8	1%	18%	55%
Bristol West	South West	88%	0.6%	39.9	1%	15%	49%
Broadland	East of England	65%	0.3%	16.5	9%	49%	18%
Bromley and Chislehurst	London	94%	0.0%	38.4	2%	28%	46%
Bromsgrove	West Midlands	81%	0.0%	23.9	6%	48%	32%
Broxbourne	East of England	95%	0.0%	40.3	5%	31%	51%
Broxtowe	East Midlands	93%	0.0%	40.2	3%	29%	49%
Buckingham	South East	60%	0.6%	17.0	9%	52%	19%
Burnley	North West	96%	0.2%	35.6	4%	34%	44%
Burton	East Midlands	82%	0.1%	18.4	9%	52%	25%
Bury North	North West	92%	0.0%	23.0	3%	45%	31%
Bury South	North West	95%	0.0%	31.2	3%	31%	37%
Bury St Edmunds	East of England	74%	0.4%	19.9	7%	46%	27%
Caerphilly	Wales	86%	0.4%	18.7	6%	48%	24%

Caithness, Sutherland and Easter Ross	Scotland	44%	2.6%	12.6	9%	60%	8%
Calder Valley	Yorkshire and The Humber	68%	0.0%	21.2	5%	44%	20%
Camberwell and Peckham	London	89%	0.1%	27.6	3%	36%	34%
Camborne and Redruth	South West	84%	41.6%	19.3	6%	45%	23%
Cambridge	East of England	95%	1.6%	40.4	2%	24%	55%
Cannock Chase	West Midlands	92%	0.0%	23.8	3%	41%	29%
Canterbury	South East	84%	0.0%	18.6	5%	44%	22%
Cardiff Central	Wales	90%	1.4%	42.1	4%	25%	55%
Cardiff North	Wales	96%	0.0%	35.3	4%	34%	47%
Cardiff South and Penarth	Wales	92%	3.2%	36.9	5%	34%	47%
Cardiff West	Wales	95%	0.0%	38.9	2%	29%	48%
Carlisle	North West	91%	0.6%	21.0	8%	56%	28%
Carmarthen East and Dinefwr	Wales	32%	14.8%	8.8	15%	73%	2%
Carmarthen West and South Pembrokeshire	Wales	50%	5.2%	11.5	11%	66%	8%
Carshalton and Wallington	London	96%	0.4%	40.3	2%	30%	50%
Castle Point	East of England	92%	0.0%	29.2	3%	36%	35%
Central Ayrshire	Scotland	85%	0.5%	28.2	4%	40%	27%
Central Devon	South West	58%	2.8%	15.3	8%	56%	14%
Central Suffolk and North Ipswich	East of England	68%	1.0%	22.5	8%	50%	26%
Ceredigion	Wales	66%	22.7%	12.2	14%	68%	10%
Charnwood	East Midlands	87%	0.2%	31.4	5%	35%	38%
Chatham and Aylesford	South East	91%	0.0%	41.9	4%	29%	50%
Cheadle	North West	96%	0.0%	38.3	1%	22%	44%
Chelmsford	East of England	94%	0.0%	34.1	3%	36%	45%
Chelsea and Fulham	London	93%	3.1%	28.7	2%	21%	31%
Cheltenham	South West	90%	0.5%	37.6	5%	31%	50%
Chesham and Amersham	South East	83%	0.1%	30.7	3%	32%	39%
Chesterfield	East Midlands	83%	0.5%	22.6	5%	48%	28%

Chichester	South East	76%	0.7%	19.0	8%	44%	24%
Chingford and Woodford Green	London	97%	12.7%	37.0	1%	29%	44%
Chippenham	South West	78%	0.2%	24.2	3%	37%	30%
Chipping Barnet	London	87%	0.1%	24.2	4%	43%	34%
Chorley	North West	90%	1.9%	30.8	6%	35%	37%
Christchurch	South West	85%	0.1%	23.5	5%	44%	29%
Cities of London and Westminster	London	78%	2.1%	16.9	2%	33%	8%
City of Chester	North West	86%	8.1%	20.3	5%	47%	27%
City of Durham	North East	88%	0.1%	20.4	7%	45%	29%
Clacton	East of England	79%	0.0%	18.4	6%	45%	22%
Cleethorpes	Yorkshire and The Humber	91%	0.0%	38.8	3%	26%	44%
Clwyd South	Wales	80%	12.4%	15.6	8%	51%	15%
Clwyd West	Wales	66%	5.7%	13.5	8%	51%	8%
Coatbridge, Chryston and Bellshill	Scotland	88%	1.9%	35.9	6%	38%	39%
Colchester	East of England	91%	0.0%	37.6	4%	31%	47%
Colne Valley	Yorkshire and The Humber	76%	0.1%	27.5	6%	45%	32%
Congleton	North West	82%	0.7%	20.6	4%	40%	26%
Copeland	North West	68%	0.5%	15.1	8%	55%	14%
Corby	East Midlands	83%	2.4%	28.8	5%	36%	34%
Coventry North East	West Midlands	95%	0.8%	35.9	3%	33%	44%
Coventry North West	West Midlands	92%	0.0%	33.7	2%	34%	41%
Coventry South	West Midlands	81%	0.0%	25.6	2%	31%	29%
Crawley	South East	97%	0.3%	41.9	4%	29%	55%
Crewe and Nantwich	North West	90%	1.4%	21.7	6%	46%	32%
Croydon Central	London	96%	1.6%	36.1	2%	25%	42%
Croydon North	London	94%	17.5%	33.1	1%	23%	36%
Croydon South	London	94%	0.0%	37.6	3%	32%	46%
Cumbernauld, Kilsyth and Kirkintilloch	Scotland	83%	0.2%	36.5	8%	36%	42%

East							
Cynon Valley	Wales	91%	2.1%	17.7	7%	47%	21%
Dagenham and Rainham	London	96%	0.6%	36.5	3%	35%	45%
Darlington	North East	96%	0.0%	42.1	5%	30%	52%
Dartford	South East	86%	0.9%	25.6	5%	43%	30%
Daventry	East Midlands	71%	1.0%	19.6	9%	47%	23%
Delyn	Wales	84%	9.9%	17.5	9%	51%	22%
Denton and Reddish	North West	97%	0.0%	36.3	3%	34%	44%
Derby North	East Midlands	95%	0.0%	39.5	3%	28%	50%
Derby South	East Midlands	92%	0.0%	37.8	2%	25%	46%
Derbyshire Dales	East Midlands	46%	0.8%	13.3	9%	57%	9%
Devizes	South West	62%	0.0%	20.6	6%	50%	19%
Dewsbury	Yorkshire and The Humber	71%	0.0%	25.2	6%	46%	29%
Don Valley	Yorkshire and The Humber	67%	0.0%	21.2	7%	39%	22%
Doncaster Central	Yorkshire and The Humber	86%	0.8%	30.0	3%	33%	35%
Doncaster North	Yorkshire and The Humber	77%	0.0%	24.6	5%	45%	27%
Dover	South East	75%	0.0%	24.1	6%	42%	27%
Dudley North	West Midlands	91%	0.0%	36.7	3%	35%	42%
Dudley South	West Midlands	92%	0.0%	37.1	2%	32%	45%
Dulwich and West Norwood	London	96%	0.0%	33.6	2%	23%	41%
Dumfries and Galloway	Scotland	63%	4.4%	15.7	7%	51%	15%
Dumfriesshire, Clydesdale and Tweeddale	Scotland	50%	5.1%	14.1	7%	62%	12%
Dundee East	Scotland	89%	0.6%	40.6	2%	25%	44%
Dundee West	Scotland	90%	0.5%	41.9	2%	21%	47%
Dunfermline and West Fife	Scotland	78%	0.2%	18.9	6%	51%	26%
Dwyfor Meirionnydd	Wales	77%	18.1%	17.4	9%	60%	22%
Ealing Central and Acton	London	93%	1.1%	35.2	1%	23%	44%

Ealing North	London	96%	3.1%	32.3	3%	33%	44%
Ealing, Southall	London	93%	0.3%	25.5	3%	43%	32%
Easington	North East	91%	0.0%	19.3	8%	44%	26%
East Antrim	Northern Ireland	79%	0.3%	25.3	7%	40%	37%
East Devon	South West	70%	0.2%	18.4	8%	47%	21%
East Dunbartonshire	Scotland	87%	1.0%	40.5	2%	26%	42%
East Ham	London	98%	15.9%	23.2	4%	49%	29%
East Hampshire	South East	73%	0.0%	22.6	3%	35%	24%
East Kilbride, Strathaven and Lesmahagow	Scotland	86%	0.5%	36.9	7%	37%	43%
East Londonderry	Northern Ireland	74%	0.0%	24.3	9%	37%	37%
East Lothian	Scotland	57%	0.4%	16.6	4%	40%	14%
East Renfrewshire	Scotland	83%	0.6%	36.8	2%	28%	40%
East Surrey	South East	90%	3.8%	32.1	3%	30%	39%
East Worthing and Shoreham	South East	97%	0.0%	40.8	1%	21%	48%
East Yorkshire	Yorkshire and The Humber	68%	1.0%	18.0	6%	43%	18%
Eastbourne	South East	96%	0.8%	21.0	4%	44%	29%
Eastleigh	South East	89%	0.0%	29.9	3%	35%	36%
Eddisbury	North West	72%	4.2%	17.4	8%	49%	20%
Edinburgh East	Scotland	89%	0.1%	37.7	2%	22%	44%
Edinburgh North and Leith	Scotland	84%	0.5%	36.7	2%	19%	41%
Edinburgh South	Scotland	94%	1.8%	42.3	1%	17%	49%
Edinburgh South West	Scotland	93%	0.2%	43.8	1%	16%	52%
Edinburgh West	Scotland	79%	0.2%	38.8	3%	29%	43%
Edmonton	London	98%	0.0%	36.9	2%	25%	45%
Ellesmere Port and Neston	North West	89%	0.2%	32.3	4%	35%	37%
Elmet and Rothwell	Yorkshire and The Humber	78%	0.0%	21.3	8%	43%	25%
Eltham	London	97%	0.7%	35.4	2%	28%	46%

Enfield North	London	97%	0.5%	39.5	3%	37%	52%
Enfield, Southgate	London	97%	0.0%	39.6	2%	25%	49%
Epping Forest	East of England	89%	0.0%	34.9	5%	34%	43%
Epsom and Ewell	South East	96%	1.4%	38.2	2%	28%	47%
Erewash	East Midlands	94%	0.0%	36.1	2%	31%	43%
Erith and Thamesmead	London	93%	0.5%	28.1	3%	41%	34%
Esher and Walton	South East	96%	1.3%	40.1	2%	25%	50%
Exeter	South West	94%	35.8%	37.3	3%	34%	45%
Falkirk	Scotland	88%	0.3%	40.9	3%	33%	45%
Fareham	South East	92%	0.0%	38.3	4%	29%	47%
Faversham and Mid Kent	South East	77%	0.4%	26.9	8%	38%	33%
Feltham and Heston	London	95%	0.1%	37.9	4%	36%	49%
Fermanagh and South Tyrone	Northern Ireland	56%	0.0%	21.9	13%	48%	35%
Filton and Bradley Stoke	South West	91%	0.0%	38.0	5%	31%	48%
Finchley and Golders Green	London	93%	0.0%	30.1	2%	26%	37%
Folkestone and Hythe	South East	74%	0.5%	25.0	5%	37%	27%
Forest of Dean	South West	50%	10.6%	14.2	8%	55%	12%
Foyle	Northern Ireland	93%	0.0%	31.7	5%	30%	45%
Fylde	North West	85%	1.2%	23.8	4%	40%	27%
Gainsborough	East Midlands	72%	1.3%	20.6	8%	47%	24%
Garston and Halewood	North West	96%	1.4%	34.2	3%	29%	37%
Gateshead	North East	90%	0.1%	41.2	2%	25%	47%
Gedling	East Midlands	99%	0.0%	43.2	2%	21%	54%
Gillingham and Rainham	South East	97%	0.0%	45.9	2%	22%	54%
Glasgow Central	Scotland	61%	2.0%	24.3	1%	24%	20%
Glasgow East	Scotland	80%	0.0%	26.7	5%	44%	26%
Glasgow North	Scotland	91%	0.1%	35.5	1%	24%	42%
Glasgow North East	Scotland	85%	0.4%	31.7	3%	34%	34%
Glasgow North West	Scotland	88%	2.2%	31.4	2%	33%	35%

Glasgow South	Scotland	82%	0.7%	32.9	2%	28%	33%
Glasgow South West	Scotland	77%	2.8%	18.0	8%	49%	19%
Glenrothes	Scotland	81%	0.2%	38.1	3%	31%	41%
Gloucester	South West	92%	0.0%	42.3	4%	28%	52%
Gordon	Scotland	61%	3.3%	16.2	6%	50%	16%
Gosport	South East	96%	0.0%	40.8	4%	26%	50%
Gower	Wales	89%	4.3%	28.0	5%	32%	31%
Grantham and Stamford	East Midlands	75%	0.6%	25.6	5%	44%	31%
Gravesham	South East	92%	1.2%	33.2	4%	37%	40%
Great Grimsby	Yorkshire and The Humber	96%	0.0%	46.8	1%	21%	55%
Great Yarmouth	East of England	90%	0.2%	30.8	3%	32%	37%
Greenwich and Woolwich	London	86%	6.4%	30.1	2%	27%	35%
Guildford	South East	92%	2.4%	39.3	4%	28%	51%
Hackney North and Stoke Newington	London	93%	0.0%	33.0	1%	23%	41%
Hackney South and Shoreditch	London	89%	1.1%	28.5	1%	25%	31%
Halesowen and Rowley Regis	West Midlands	92%	0.0%	36.8	2%	28%	41%
Halifax	Yorkshire and The Humber	92%	0.0%	27.8	4%	40%	34%
Haltemprice and Howden	Yorkshire and The Humber	27%	19.3%	18.0	3%	42%	13%
Halton	North West	92%	0.0%	34.4	6%	37%	40%
Hammersmith	London	88%	1.1%	27.0	1%	25%	29%
Hampstead and Kilburn	London	96%	0.0%	37.7	1%	18%	45%
Harborough	East Midlands	90%	0.1%	29.6	2%	29%	35%
Harlow	East of England	92%	0.0%	42.2	5%	32%	52%
Harrogate and Knaresborough	Yorkshire and The Humber	93%	0.5%	36.1	2%	25%	42%
Harrow East	London	96%	0.0%	35.0	3%	33%	45%
Harrow West	London	95%	0.4%	35.4	2%	30%	45%
Hartlepool	North East	93%	0.0%	42.4	7%	31%	54%

Harwich and North Essex	East of England	48%	0.0%	15.8	10%	46%	14%
Hastings and Rye	South East	88%	0.2%	19.0	7%	48%	25%
Havant	South East	96%	0.0%	40.6	2%	27%	48%
Hayes and Harlington	London	92%	0.0%	34.8	2%	31%	42%
Hazel Grove	North West	96%	0.6%	39.5	2%	27%	46%
Hemel Hempstead	East of England	89%	0.1%	38.1	5%	32%	47%
Hemsworth	Yorkshire and The Humber	84%	0.0%	19.1	9%	46%	25%
Hendon	London	95%	4.5%	28.6	2%	33%	35%
Henley	South East	55%	2.3%	18.6	7%	45%	19%
Hereford and South Herefordshire	West Midlands	80%	12.3%	18.2	10%	56%	25%
Hertford and Stortford	East of England	88%	0.0%	37.2	3%	27%	44%
Hertsmere	East of England	95%	0.0%	36.8	3%	29%	47%
Hexham	North East	77%	1.8%	18.2	7%	45%	19%
Heywood and Middleton	North West	93%	0.1%	32.2	4%	36%	40%
High Peak	East Midlands	64%	0.0%	17.6	6%	41%	17%
Hitchin and Harpenden	East of England	84%	0.4%	37.0	5%	28%	45%
Holborn and St Pancras	London	94%	0.3%	34.9	1%	18%	38%
Hornchurch and Upminster	London	96%	0.0%	36.7	2%	28%	43%
Hornsey and Wood Green	London	95%	0.1%	38.2	1%	21%	47%
Horsham	South East	84%	2.7%	22.9	6%	44%	33%
Houghton and Sunderland South	North East	90%	0.0%	27.3	5%	42%	34%
Hove	South East	97%	1.5%	40.5	2%	20%	49%
Huddersfield	Yorkshire and The Humber	92%	0.0%	38.3	7%	42%	47%
Huntingdon	East of England	89%	0.3%	35.4	4%	31%	46%
Hyndburn	North West	94%	0.0%	29.3	5%	38%	36%
Ilford North	London	96%	0.0%	37.6	2%	31%	47%
Ilford South	London	96%	24.9%	34.8	1%	21%	40%
Inverclyde	Scotland	77%	0.1%	40.5	2%	26%	44%

Inverness, Nairn, Badenoch and Strathspey	Scotland	59%	3.9%	16.4	7%	56%	19%
Ipswich	East of England	95%	1.1%	37.8	2%	28%	46%
Isle of Wight	South East	83%	0.5%	18.9	4%	37%	19%
Islington North	London	94%	2.5%	36.3	1%	21%	44%
Islington South and Finsbury	London	88%	1.5%	31.2	1%	22%	34%
Islwyn	Wales	86%	0.7%	16.3	7%	53%	18%
Jarrow	North East	92%	0.0%	38.8	5%	36%	47%
Keighley	Yorkshire and The Humber	89%	0.0%	30.6	3%	31%	35%
Kenilworth and Southam	West Midlands	76%	1.6%	26.0	8%	39%	34%
Kensington	London	95%	1.1%	33.1	2%	32%	37%
Kettering	East Midlands	90%	1.9%	33.9	4%	30%	39%
Kilmarnock and Loudoun	Scotland	69%	0.5%	16.7	8%	51%	19%
Kingston and Surbiton	London	96%	0.5%	41.9	1%	20%	52%
Kingston upon Hull East	Yorkshire and The Humber	20%	16.4%	14.4	3%	62%	10%
Kingston upon Hull North	Yorkshire and The Humber	41%	41.4%	21.8	2%	41%	20%
Kingston upon Hull West and Hessle	Yorkshire and The Humber	22%	21.5%	16.5	2%	42%	10%
Kingswood	South West	96%	0.0%	42.7	2%	24%	53%
Kirkcaldy and Cowdenbeath	Scotland	77%	0.1%	30.8	3%	24%	31%
Knowsley	North West	95%	0.2%	37.5	5%	35%	43%
Lagan Valley	Northern Ireland	77%	0.4%	27.6	8%	41%	40%
Lanark and Hamilton East	Scotland	82%	0.3%	29.4	5%	35%	31%
Lancaster and Fleetwood	North West	81%	2.6%	19.6	3%	35%	20%
Leeds Central	Yorkshire and The Humber	79%	2.4%	27.9	5%	39%	32%
Leeds East	Yorkshire and The Humber	97%	0.0%	37.9	2%	30%	45%
Leeds North East	Yorkshire and The Humber	97%	0.0%	38.3	3%	28%	48%
Leeds North West	Yorkshire and The	93%	0.0%	34.6	2%	27%	41%

	Humber						
Leeds West	Yorkshire and The Humber	97%	0.0%	38.5	3%	32%	47%
Leicester East	East Midlands	93%	0.0%	32.9	3%	28%	43%
Leicester South	East Midlands	91%	0.0%	38.5	1%	19%	48%
Leicester West	East Midlands	94%	0.0%	40.7	3%	30%	53%
Leigh	North West	96%	0.0%	40.1	5%	33%	50%
Lewes	South East	79%	1.7%	18.9	4%	40%	20%
Lewisham East	London	96%	0.0%	33.1	2%	25%	40%
Lewisham West and Penge	London	96%	17.1%	32.8	1%	22%	38%
Lewisham, Deptford	London	87%	5.3%	25.7	2%	35%	30%
Leyton and Wanstead	London	98%	16.8%	38.0	1%	22%	46%
Lichfield	West Midlands	85%	0.0%	29.7	4%	36%	35%
Lincoln	East Midlands	96%	0.1%	44.4	4%	25%	59%
Linlithgow and East Falkirk	Scotland	70%	0.9%	29.2	3%	39%	29%
Liverpool, Riverside	North West	78%	5.4%	30.3	1%	21%	31%
Liverpool, Walton	North West	96%	0.1%	39.8	2%	22%	43%
Liverpool, Wavertree	North West	99%	8.1%	40.1	1%	16%	45%
Liverpool, West Derby	North West	98%	0.3%	39.2	5%	36%	48%
Livingston	Scotland	74%	1.7%	31.2	4%	37%	34%
Llanelli	Wales	57%	0.2%	14.2	8%	52%	12%
Loughborough	East Midlands	91%	0.0%	36.9	3%	26%	46%
Louth and Horncastle	East Midlands	62%	0.2%	17.2	9%	48%	16%
Ludlow	West Midlands	56%	3.4%	15.1	8%	52%	12%
Luton North	East of England	99%	0.0%	41.9	4%	29%	55%
Luton South	East of England	93%	0.0%	39.9	4%	26%	52%
Macclesfield	North West	89%	1.0%	34.1	4%	31%	41%
Maidenhead	South East	85%	0.6%	31.2	5%	32%	41%
Maidstone and The Weald	South East	85%	0.2%	29.8	4%	34%	36%

Makerfield	North West	95%	0.0%	39.3	2%	27%	45%
Maldon	East of England	50%	0.0%	17.1	7%	46%	17%
Manchester Central	North West	72%	2.8%	19.6	2%	39%	18%
Manchester, Gorton	North West	94%	0.0%	26.5	4%	40%	34%
Manchester, Withington	North West	97%	0.0%	37.3	1%	24%	47%
Mansfield	East Midlands	95%	0.0%	38.7	3%	31%	48%
Meon Valley	South East	77%	0.2%	31.4	5%	40%	38%
Meriden	West Midlands	86%	0.4%	38.1	3%	28%	46%
Merthyr Tydfil and Rhymney	Wales	40%	2.5%	14.8	8%	59%	16%
Mid Bedfordshire	East of England	75%	0.2%	29.1	8%	38%	33%
Mid Derbyshire	East Midlands	85%	0.0%	30.5	6%	33%	37%
Mid Dorset and North Poole	South West	82%	5.0%	28.1	4%	39%	33%
Mid Norfolk	East of England	59%	0.0%	16.6	8%	47%	17%
Mid Sussex	South East	86%	2.3%	22.2	3%	38%	29%
Mid Ulster	Northern Ireland	56%	0.0%	21.8	12%	41%	31%
Mid Worcestershire	West Midlands	74%	0.9%	17.8	7%	51%	22%
Middlesbrough	North East	93%	0.0%	41.3	2%	26%	49%
Middlesbrough South and East Cleveland	North East	86%	0.0%	40.3	3%	27%	46%
Midlothian	Scotland	66%	1.7%	15.7	10%	54%	18%
Milton Keynes North	South East	84%	14.8%	22.4	7%	46%	29%
Milton Keynes South	South East	91%	13.4%	25.3	7%	44%	35%
Mitcham and Morden	London	96%	1.2%	36.9	2%	30%	47%
Mole Valley	South East	84%	4.0%	28.4	5%	35%	36%
Monmouth	Wales	66%	8.3%	14.6	8%	58%	14%
Montgomeryshire	Wales	60%	20.8%	11.1	12%	69%	6%
Moray	Scotland	64%	2.0%	16.3	6%	49%	16%
Morecambe and Lunesdale	North West	84%	1.3%	21.9	3%	45%	22%
Morley and Outwood	Yorkshire and The Humber	87%	0.0%	25.9	6%	43%	31%

Motherwell and Wishaw	Scotland	91%	0.2%	40.4	3%	28%	44%
Na h-Eileanan an Iar	Scotland	10%	9.5%	5.6	16%	100%	0%
Neath	Wales	90%	3.8%	28.1	4%	37%	29%
New Forest East	South East	74%	0.5%	23.0	6%	42%	28%
New Forest West	South East	74%	0.4%	18.7	5%	40%	21%
Newark	East Midlands	77%	0.3%	28.7	8%	42%	34%
Newbury	South East	68%	0.4%	24.9	5%	39%	28%
Newcastle upon Tyne Central	North East	88%	4.3%	33.3	1%	22%	36%
Newcastle upon Tyne East	North East	91%	0.0%	37.8	2%	25%	45%
Newcastle upon Tyne North	North East	92%	0.0%	26.7	5%	42%	32%
Newcastle-under-Lyme	West Midlands	81%	0.1%	31.1	5%	42%	37%
Newport East	Wales	90%	2.5%	34.5	3%	31%	40%
Newport West	Wales	82%	1.2%	34.1	4%	35%	43%
Newry and Armagh	Northern Ireland	62%	0.6%	20.6	12%	43%	28%
Newton Abbot	South West	75%	0.2%	24.2	5%	41%	26%
Normanton, Pontefract and Castleford	Yorkshire and The Humber	90%	0.0%	26.2	4%	38%	31%
North Antrim	Northern Ireland	60%	0.0%	21.3	10%	43%	30%
North Ayrshire and Arran	Scotland	57%	2.0%	15.1	4%	46%	11%
North Cornwall	South West	79%	33.9%	19.6	8%	43%	23%
North Devon	South West	70%	1.1%	17.4	8%	48%	18%
North Dorset	South West	57%	1.0%	15.7	9%	47%	15%
North Down	Northern Ireland	89%	0.0%	27.2	5%	36%	42%
North Durham	North East	82%	0.1%	18.5	5%	41%	21%
North East Bedfordshire	East of England	70%	0.0%	28.2	10%	43%	33%
North East Cambridgeshire	East of England	82%	0.6%	23.2	4%	34%	26%
North East Derbyshire	East Midlands	72%	0.0%	16.4	7%	53%	19%
North East Fife	Scotland	61%	2.2%	17.0	5%	51%	15%
North East Hampshire	South East	80%	0.2%	34.5	4%	30%	42%

North East Hertfordshire	East of England	67%	0.0%	32.2	4%	33%	36%
North East Somerset	South West	60%	0.2%	23.0	7%	43%	25%
North Herefordshire	West Midlands	43%	13.6%	11.7	13%	68%	8%
North Norfolk	East of England	57%	0.0%	14.8	8%	53%	12%
North Shropshire	West Midlands	63%	3.5%	16.7	9%	52%	18%
North Somerset	South West	75%	0.2%	26.8	4%	40%	30%
North Swindon	South West	73%	0.0%	33.3	4%	33%	37%
North Thanet	South East	88%	0.0%	18.3	5%	42%	20%
North Tyneside	North East	82%	0.0%	27.8	3%	41%	32%
North Warwickshire	West Midlands	84%	0.1%	26.5	6%	37%	30%
North West Cambridgeshire	East of England	81%	0.9%	27.5	8%	39%	35%
North West Durham	North East	76%	0.3%	17.3	7%	47%	19%
North West Hampshire	South East	76%	3.4%	27.6	4%	41%	33%
North West Leicestershire	East Midlands	84%	0.0%	33.8	5%	32%	41%
North West Norfolk	East of England	73%	0.1%	16.8	7%	51%	19%
North Wiltshire	South West	61%	0.1%	18.4	7%	49%	18%
Northampton North	East Midlands	96%	0.0%	38.8	2%	32%	47%
Northampton South	East Midlands	93%	0.6%	36.5	2%	27%	43%
Norwich North	East of England	98%	0.0%	35.5	3%	35%	47%
Norwich South	East of England	94%	0.0%	36.1	2%	26%	48%
Nottingham East	East Midlands	94%	0.9%	40.2	1%	20%	51%
Nottingham North	East Midlands	98%	0.0%	42.5	3%	30%	53%
Nottingham South	East Midlands	88%	0.1%	40.0	3%	27%	49%
Nuneaton	West Midlands	94%	0.0%	35.8	5%	34%	46%
Ochil and South Perthshire	Scotland	48%	1.4%	15.0	8%	49%	12%
Ogmore	Wales	86%	0.7%	17.9	11%	47%	22%
Old Bexley and Sidcup	London	93%	0.0%	29.3	5%	42%	38%
Oldham East and Saddleworth	North West	91%	0.0%	32.8	6%	36%	43%
Oldham West and Royton	North West	97%	0.0%	37.4	5%	38%	49%

Orkney and Shetland	Scotland	38%	11.9%	10.9	11%	71%	6%
Orpington	London	92%	0.1%	36.7	3%	31%	43%
Oxford East	South East	95%	1.0%	39.2	2%	26%	50%
Oxford West and Abingdon	South East	97%	4.7%	35.1	3%	29%	45%
Paisley and Renfrewshire North	Scotland	75%	1.5%	33.5	4%	39%	34%
Paisley and Renfrewshire South	Scotland	83%	1.6%	38.0	2%	28%	39%
Pendle	North West	92%	0.8%	28.4	3%	28%	31%
Penistone and Stocksbridge	Yorkshire and The Humber	58%	0.0%	16.6	8%	50%	17%
Penrith and The Border	North West	51%	2.0%	13.8	13%	60%	12%
Perth and North Perthshire	Scotland	67%	1.3%	30.2	5%	38%	33%
Peterborough	East of England	92%	0.1%	37.4	4%	33%	48%
Plymouth, Moor View	South West	95%	0.0%	43.0	5%	28%	54%
Plymouth, Sutton and Devonport	South West	94%	0.0%	43.1	2%	22%	53%
Pontypridd	Wales	90%	0.2%	25.2	4%	44%	32%
Poole	South West	96%	36.5%	36.0	2%	28%	43%
Poplar and Limehouse	London	84%	15.0%	20.3	3%	44%	21%
Portsmouth North	South East	96%	0.0%	43.5	2%	24%	51%
Portsmouth South	South East	95%	0.0%	43.7	2%	26%	55%
Preseli Pembrokeshire	Wales	65%	5.1%	15.0	10%	57%	15%
Preston	North West	96%	0.1%	35.5	2%	26%	43%
Pudsey	Yorkshire and The Humber	93%	0.0%	32.9	3%	34%	39%
Putney	London	87%	3.6%	27.7	2%	35%	34%
Rayleigh and Wickford	East of England	86%	0.0%	24.9	3%	37%	31%
Reading East	South East	93%	0.0%	39.1	1%	18%	47%
Reading West	South East	94%	0.9%	36.7	3%	33%	47%
Redcar	North East	94%	0.1%	42.8	4%	31%	51%
Redditch	West Midlands	87%	0.2%	37.1	4%	35%	44%
Reigate	South East	93%	0.2%	35.0	3%	27%	42%

Rhondda	Wales	93%	0.1%	16.2	7%	49%	16%
Ribble Valley	North West	86%	1.8%	24.8	6%	41%	29%
Richmond (Yorks)	Yorkshire and The Humber	78%	0.2%	20.4	7%	39%	25%
Richmond Park	London	94%	0.4%	41.2	2%	20%	50%
Rochdale	North West	95%	0.0%	27.3	6%	44%	36%
Rochester and Strood	South East	84%	0.1%	33.1	5%	36%	39%
Rochford and Southend East	East of England	93%	0.0%	37.7	1%	19%	43%
Romford	London	95%	0.2%	38.2	4%	35%	48%
Romsey and Southampton North	South East	70%	3.5%	24.9	6%	50%	28%
Ross, Skye and Lochaber	Scotland	38%	7.8%	10.6	11%	78%	8%
Rossendale and Darwen	North West	80%	0.1%	25.1	7%	40%	29%
Rother Valley	Yorkshire and The Humber	70%	4.0%	19.6	8%	46%	20%
Rotherham	Yorkshire and The Humber	89%	0.0%	31.0	4%	42%	37%
Rugby	West Midlands	87%	0.2%	32.2	6%	40%	42%
Ruislip, Northwood and Pinner	London	96%	0.0%	36.4	2%	27%	46%
Runnymede and Weybridge	South East	95%	1.9%	35.2	3%	30%	45%
Rushcliffe	East Midlands	87%	0.0%	36.5	4%	26%	44%
Rutherglen and Hamilton West	Scotland	91%	1.1%	37.5	3%	35%	41%
Rutland and Melton	East Midlands	70%	1.2%	24.4	6%	39%	29%
Saffron Walden	East of England	48%	0.0%	18.0	9%	49%	17%
Salford and Eccles	North West	85%	1.5%	32.9	1%	26%	35%
Salisbury	South West	85%	0.1%	29.2	6%	41%	36%
Scarborough and Whitby	Yorkshire and The Humber	87%	0.5%	21.3	4%	38%	27%
Scunthorpe	Yorkshire and The Humber	95%	0.0%	40.0	8%	32%	52%
Sedgefield	North East	76%	0.2%	19.9	5%	41%	23%
Sefton Central	North West	94%	0.0%	36.8	3%	30%	43%
Selby and Ainsty	Yorkshire and The	74%	6.7%	19.2	8%	48%	25%

	Humber						
Sevenoaks	South East	76%	1.2%	23.1	5%	42%	26%
Sheffield Central	Yorkshire and The Humber	74%	0.3%	27.1	3%	34%	30%
Sheffield South East	Yorkshire and The Humber	71%	0.0%	20.4	6%	52%	23%
Sheffield, Brightside and Hillsborough	Yorkshire and The Humber	86%	0.0%	32.1	8%	48%	40%
Sheffield, Hallam	Yorkshire and The Humber	83%	0.0%	23.3	7%	45%	31%
Sheffield, Heeley	Yorkshire and The Humber	87%	1.6%	28.7	3%	37%	34%
Sherwood	East Midlands	86%	0.2%	34.0	4%	30%	40%
Shipley	Yorkshire and The Humber	92%	3.3%	32.2	3%	34%	40%
Shrewsbury and Atcham	West Midlands	83%	15.5%	18.8	7%	52%	25%
Sittingbourne and Sheppey	South East	90%	0.5%	29.3	5%	35%	36%
Skipton and Ripon	Yorkshire and The Humber	74%	3.3%	18.1	7%	46%	19%
Sleaford and North Hykeham	East Midlands	70%	0.3%	23.3	9%	45%	28%
Slough	South East	95%	0.0%	32.9	7%	36%	43%
Solihull	West Midlands	96%	0.0%	42.5	2%	25%	52%
Somerton and Frome	South West	36%	0.7%	17.1	8%	52%	13%
South Antrim	Northern Ireland	75%	0.6%	25.1	8%	41%	34%
South Basildon and East Thurrock	East of England	88%	0.0%	37.0	6%	29%	43%
South Cambridgeshire	East of England	84%	11.2%	30.4	9%	40%	38%
South Derbyshire	East Midlands	73%	0.1%	20.4	9%	47%	27%
South Dorset	South West	80%	0.2%	18.4	4%	43%	20%
South Down	Northern Ireland	59%	0.0%	21.5	12%	42%	30%
South East Cambridgeshire	East of England	80%	0.9%	27.8	5%	36%	34%
South East Cornwall	South West	79%	15.8%	24.3	7%	34%	30%
South Holland and The Deepings	East Midlands	64%	2.0%	17.6	6%	45%	19%
South Leicestershire	East Midlands	87%	0.2%	24.1	6%	44%	32%

South Norfolk	East of England	55%	0.0%	14.8	9%	56%	14%
South Northamptonshire	East Midlands	75%	3.7%	23.7	9%	48%	30%
South Ribble	North West	87%	1.0%	29.7	6%	35%	36%
South Shields	North East	89%	0.0%	40.9	4%	31%	50%
South Staffordshire	West Midlands	72%	0.1%	17.6	10%	47%	21%
South Suffolk	East of England	72%	2.4%	18.6	9%	48%	22%
South Swindon	South West	87%	0.5%	37.8	3%	29%	45%
South Thanet	South East	88%	0.0%	19.8	4%	40%	24%
South West Bedfordshire	East of England	84%	0.0%	34.8	2%	26%	40%
South West Devon	South West	77%	0.2%	30.6	4%	37%	35%
South West Hertfordshire	South East	86%	0.0%	35.1	4%	31%	43%
South West Norfolk	East of England	64%	0.0%	16.9	9%	49%	18%
South West Surrey	South East	85%	1.3%	26.2	4%	36%	37%
South West Wiltshire	South West	70%	0.0%	28.5	5%	40%	32%
Southampton, Itchen	South East	91%	1.9%	32.7	2%	36%	38%
Southampton, Test	South East	95%	1.0%	37.2	1%	24%	43%
Southend West	East of England	94%	0.0%	30.7	2%	27%	38%
Southport	North West	94%	0.1%	24.7	2%	27%	28%
Spelthorne	South East	96%	27.6%	33.4	3%	36%	39%
St Albans	East of England	93%	0.0%	38.3	3%	30%	49%
St Austell and Newquay	South West	84%	26.1%	21.0	5%	39%	25%
St Helens North	North West	86%	0.2%	39.2	6%	37%	42%
St Helens South and Whiston	North West	87%	0.0%	37.3	4%	36%	39%
St Ives	South West	83%	35.2%	19.8	6%	44%	23%
Stafford	West Midlands	88%	0.0%	34.7	7%	39%	44%
Staffordshire Moorlands	West Midlands	77%	13.2%	23.2	7%	45%	25%
Stalybridge and Hyde	North West	85%	0.0%	21.2	3%	40%	25%
Stevenage	East of England	92%	0.0%	44.0	3%	28%	53%
Stirling	Scotland	70%	1.8%	16.9	6%	53%	20%

Stockport	North West	97%	0.1%	39.5	1%	26%	46%
Stockton North	North East	86%	0.0%	42.3	7%	32%	50%
Stockton South	North East	88%	0.0%	40.7	3%	31%	50%
Stoke-on-Trent Central	West Midlands	96%	0.0%	39.4	3%	31%	47%
Stoke-on-Trent North	West Midlands	94%	0.0%	35.6	3%	34%	43%
Stoke-on-Trent South	West Midlands	95%	0.0%	28.9	5%	45%	34%
Stone	West Midlands	62%	1.0%	18.4	6%	50%	16%
Stourbridge	West Midlands	96%	0.0%	38.3	2%	27%	47%
Strangford	Northern Ireland	73%	0.0%	24.4	6%	35%	35%
Stratford-on-Avon	West Midlands	63%	0.1%	21.2	6%	45%	23%
Streatham	London	88%	0.3%	28.0	2%	23%	31%
Stretford and Urmston	North West	94%	0.3%	34.3	2%	27%	40%
Stroud	South West	45%	0.8%	15.8	7%	54%	14%
Suffolk Coastal	East of England	74%	0.9%	21.5	6%	44%	25%
Sunderland Central	North East	91%	0.0%	29.1	4%	37%	35%
Surrey Heath	South East	94%	0.1%	41.4	4%	26%	53%
Sutton and Cheam	London	97%	0.2%	40.1	1%	18%	48%
Sutton Coldfield	West Midlands	95%	0.8%	36.2	2%	30%	45%
Swansea East	Wales	95%	1.8%	42.2	4%	30%	50%
Swansea West	Wales	97%	0.2%	42.9	2%	23%	52%
Tamworth	West Midlands	92%	0.1%	33.6	6%	37%	42%
Tatton	North West	83%	2.1%	27.5	5%	40%	34%
Taunton Deane	South West	76%	3.3%	18.8	6%	52%	26%
Telford	West Midlands	85%	0.0%	38.1	2%	25%	43%
Tewkesbury	South West	79%	0.9%	30.2	8%	39%	36%
The Cotswolds	South West	49%	2.3%	14.9	8%	53%	12%
The Wrekin	West Midlands	84%	0.0%	34.6	4%	30%	42%
Thirsk and Malton	Yorkshire and The Humber	76%	4.9%	21.1	8%	44%	28%

Thornbury and Yate	South West	85%	0.0%	34.8	5%	35%	44%
Thurrock	East of England	91%	0.0%	37.7	2%	29%	44%
Tiverton and Honiton	South West	45%	0.7%	13.9	7%	50%	9%
Tonbridge and Malling	South East	77%	0.5%	26.6	7%	39%	31%
Tooting	London	92%	0.1%	30.2	3%	29%	37%
Torbay	South West	84%	0.0%	26.9	2%	29%	27%
Torfaen	Wales	86%	0.8%	23.3	7%	51%	26%
Torrige and West Devon	South West	50%	2.5%	14.3	9%	57%	13%
Totnes	South West	55%	0.5%	16.9	7%	46%	14%
Tottenham	London	97%	0.1%	35.4	2%	28%	44%
Truro and Falmouth	South West	87%	44.5%	21.5	5%	36%	24%
Tunbridge Wells	South East	83%	0.4%	26.7	4%	37%	33%
Twickenham	London	94%	0.2%	40.3	1%	23%	48%
Tynemouth	North East	90%	0.0%	38.5	5%	33%	45%
Upper Bann	Northern Ireland	80%	0.0%	22.6	7%	39%	32%
Uxbridge and South Ruislip	London	95%	0.0%	38.4	4%	33%	49%
Vale of Clwyd	Wales	90%	4.4%	18.2	4%	40%	18%
Vale of Glamorgan	Wales	87%	4.0%	30.4	6%	38%	36%
Vauxhall	London	94%	4.7%	31.1	1%	24%	37%
Wakefield	Yorkshire and The Humber	89%	0.0%	27.3	5%	43%	33%
Wallasey	North West	91%	0.4%	30.6	4%	40%	35%
Walsall North	West Midlands	95%	1.7%	36.0	3%	31%	44%
Walsall South	West Midlands	87%	0.0%	32.3	3%	34%	40%
Walthamstow	London	96%	28.7%	37.2	1%	26%	46%
Wansbeck	North East	90%	0.3%	18.7	8%	46%	23%
Wantage	South East	80%	6.3%	27.5	4%	38%	32%
Warley	West Midlands	85%	0.0%	27.1	3%	38%	30%
Warrington North	North West	87%	0.2%	35.3	8%	36%	42%

Warrington South	North West	92%	0.2%	33.6	3%	32%	42%
Warwick and Leamington	West Midlands	94%	0.1%	35.9	4%	29%	47%
Washington and Sunderland West	North East	94%	0.0%	37.3	5%	34%	47%
Watford	East of England	95%	0.0%	39.3	3%	29%	50%
Waveney	East of England	89%	1.9%	21.5	11%	44%	32%
Wealden	South East	72%	3.7%	18.4	5%	43%	20%
Weaver Vale	North West	87%	0.5%	26.0	4%	33%	30%
Wellingborough	East Midlands	89%	0.1%	33.1	4%	29%	40%
Wells	South West	55%	0.2%	15.8	6%	47%	13%
Welwyn Hatfield	East of England	88%	0.0%	37.8	5%	33%	47%
Wentworth and Dearne	Yorkshire and The Humber	69%	0.0%	20.7	4%	51%	22%
West Aberdeenshire and Kincardine	Scotland	53%	4.0%	15.2	7%	51%	13%
West Bromwich East	West Midlands	89%	0.0%	32.4	2%	29%	38%
West Bromwich West	West Midlands	87%	0.2%	32.9	3%	36%	37%
West Dorset	South West	61%	1.1%	15.7	9%	52%	16%
West Dunbartonshire	Scotland	92%	0.1%	45.7	2%	23%	49%
West Ham	London	94%	5.4%	28.5	2%	34%	34%
West Lancashire	North West	76%	2.4%	17.8	5%	44%	19%
West Suffolk	East of England	76%	0.1%	21.3	7%	39%	25%
West Tyrone	Northern Ireland	60%	0.5%	20.8	12%	44%	30%
West Worcestershire	West Midlands	55%	0.6%	15.7	9%	57%	17%
Westminster North	London	79%	1.7%	22.8	1%	18%	19%
Westmorland and Lonsdale	North West	65%	2.6%	14.7	7%	55%	13%
Weston-Super-Mare	South West	64%	0.3%	16.5	5%	49%	16%
Wigan	North West	93%	0.1%	38.0	2%	27%	42%
Wimbledon	London	94%	0.0%	40.5	2%	24%	51%
Winchester	South East	80%	0.0%	29.1	4%	35%	36%
Windsor	South East	85%	0.3%	30.0	5%	38%	39%

Wirral South	North West	93%	0.1%	32.9	3%	32%	37%
Wirral West	North West	76%	0.9%	19.6	3%	35%	16%
Witham	East of England	58%	0.0%	19.5	6%	40%	20%
Witney	South East	82%	1.6%	25.4	5%	39%	31%
Woking	South East	96%	0.6%	40.3	3%	26%	51%
Wokingham	South East	86%	0.7%	34.4	4%	30%	44%
Wolverhampton North East	West Midlands	98%	0.0%	41.6	2%	26%	51%
Wolverhampton South East	West Midlands	94%	0.0%	37.6	2%	31%	46%
Wolverhampton South West	West Midlands	96%	0.0%	39.2	1%	21%	48%
Worcester	West Midlands	95%	0.0%	21.9	6%	48%	33%
Workington	North West	77%	0.6%	17.2	9%	45%	17%
Worsley and Eccles South	North West	94%	0.0%	37.9	3%	31%	45%
Worthing West	South East	97%	0.2%	34.0	2%	27%	42%
Wrexham	Wales	89%	4.5%	18.9	4%	51%	26%
Wycombe	South East	91%	1.6%	26.3	5%	41%	37%
Wyre and Preston North	North West	89%	5.6%	22.8	5%	43%	28%
Wyre Forest	West Midlands	88%	0.0%	29.5	3%	39%	36%
Wythenshawe and Sale East	North West	95%	0.0%	40.6	2%	33%	49%
Yeovil	South West	67%	0.3%	16.3	7%	49%	16%
Ynys Mon	Wales	80%	13.6%	18.0	8%	47%	20%
York Central	Yorkshire and The Humber	93%	39.7%	29.2	2%	34%	33%
York Outer	Yorkshire and The Humber	92%	48.8%	25.0	6%	42%	33%
UK		84%	2.3%	29.4	4%	36%	35%