

2019-01-11 – Lab-Tools Statement - Dr Beau Webber- as delivered

2019-01-11 [Recording 1 : 0:31:50]

Dr. Beau Webber : I am actually speaking on behalf of my company : Lab-Tools Ltd.

As I said yesterday, the relevant fields for this are data-mining, array data analysis and infographics.

I am not going to present my data today, because it needs visual data, and most of it has not been in the public domain, so I cannot put it on the overheads.

Some of the main points I will cover though are :

The longer life [about 2 years on average, probably due to better salary and healthcare] of residents near the major South East Airports, compared with Thanet [1a,1b,1c1,1c2,1c3,1d];

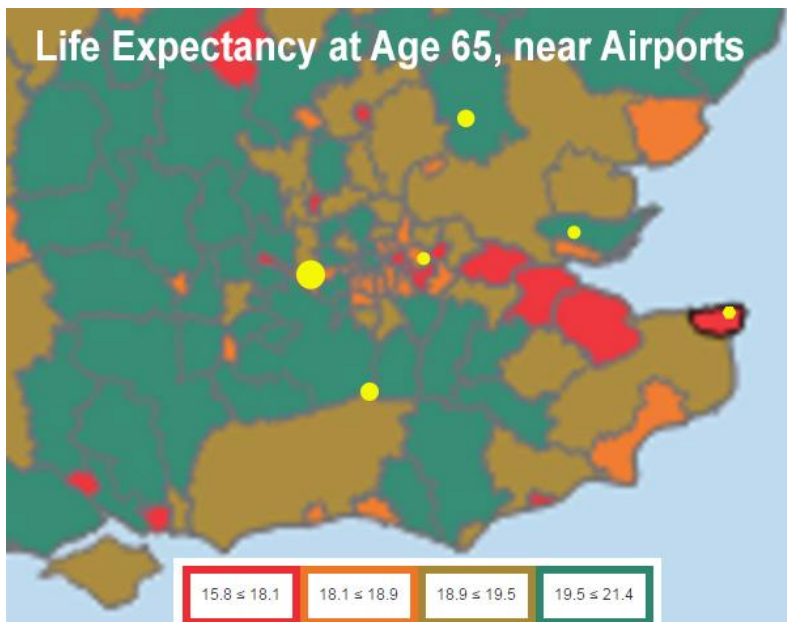
The minor, very, very minor increase in traffic on the A299 at the Minster roundabout, where the lorries will come onto the A299 [2];

And the vast number – miles [3a : 50km or more] – of traffic that will be generated IF one of the alternative representations – I know that you are not examining that – 2,500 [3b], 3,700 [3c], 4,000 as presented at KCC [3d], or even 10,000 houses[3e], are built on Manston, and the corresponding number of cars they are putting on the roads then, generating pollution.

Thank you very much.

[0:33:29]

References



[1a]:

[1b] :

District	2012–2014
London Stansted Airport - Uttlesford - Essex	20.4
Gatwick - Crawley - West Sussex	19.4
London Heathrow Airport - Hillingdon - London	19.1
Thanet	18.1
London City Airport - Newham - London	18

[1b] : 2019-01-11 - [LT01b] Life Expectancy vs Airport - sorted.pdf

[1c1] : 2019-01-11 - [LT01c1] reflifeexpectancy age 65 - 7 Release date - December 2017.pdf (ONS)

[1c2] : 2019-01-11 - [LT01c2] reflifeexpectancy age 65 - 7 Release date - December 2017_LE at age 65 - Males.pdf

[1c3] : 2019-01-11 - [LT01c3] reflifeexpectancy age 65 - 7 Release date - December 2017_LE at age 65 - Females.pdf

[1d] : GVA per head :

Airport	Region	NUTS Code	1997	2007	2017
Stansted	West Essex	UKH35	14070	21389	26491
Gatwick	West Sussex	UKJ28	17469	24065	31059
Heathrow	Hillingdon - London	UKI74	20499	29631	34208
City	Newham - London	UKI41	14049	21655	24659
Manston	East Kent	UKJ44	12021	17503	19048

<https://www.ons.gov.uk/economy/grossvalueaddedgva/datasets/regionalgrossvalueaddedincomeapproach>

[2] 2019-01-11 - [LT02] Increase in Total traffic at Minster A299 roundabout due to Manston HGVs.pdf

[3a] : SHP have at various times indicated that they intend to build 2,500, 3,700, 4,000 or 10,000 houses. In the South East there are about 1.4 vehicles per household, so for 4,000 houses that that is about 5,600 cars. On a UK motorway there are about 75 cars per Km; for crawling traffic that probably rises to about 100 cars per Km. So we are talking about solidly packing – respectively - 35km, 52km, 56km, or 140km of Thanet road with vehicles from the SHP houses on Manston at peak times.

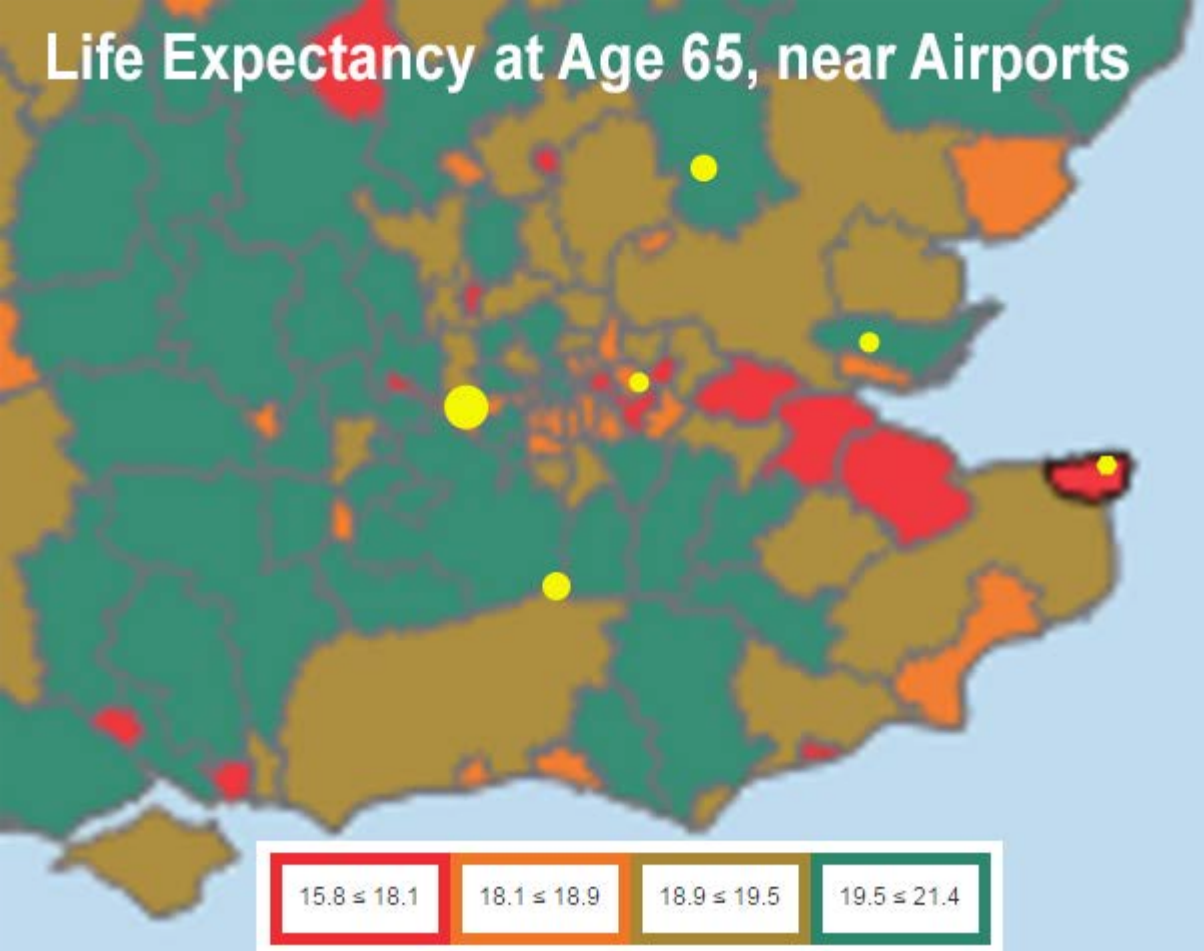
[3b] SHP Planning Application to TDC : OL/TH/16/0550 - 2,500 dwellings

[3c] SHP Planning Application to TDC : OL/TH/18/0660 – 3,700 dwellings
OL_TH_0660-PLANNING_STATEMENT_618865

[3d] SHP Presentation to KCC Cabinet 2017-10-21 Item 30.6.2.7 : - Nick Alston : “The enhanced plan would provide up to 4,000 new homes,”

[3e] 2019-01-11 - [LT03e] Quinn Estates - Manston Information Sheet 3 – 2015-08-07.pdf : Page 2 : “The proposal is to regenerate the former Manston airport site into a cira 800 acre garden city with cira 5,000 houses, with potential for up to 10,000,”

Life Expectancy at Age 65, near Airports



District	2012–2014
London Stansted Airport - Uttlesford - Essex	20.4
Gatwick - Crawley - West Sussex	19.4
London Heathrow Airport - Hillingdon - London	19.1
Thanet	18.1
London City Airport - Newham - London	18

Life expectancy (LE) at birth and age 65 by sex, UK

Worksheet Name	Contents
LE at birth - Males	LE at birth for males, United Kingdom, 2001-2003 to 2014-2016
LE at birth - Females	LE at birth for females, United Kingdom, 2001-2003 to 2014-2016
LE at age 65 - Males	LE at age 65 for males, United Kingdom, 2001-2003 to 2014-2016
LE at age 65 - Females	LE at age 65 for females, United Kingdom, 2001-2003 to 2014-2016

Notes

Life expectancy figures are not calculated for City of London or Isles of Scilly due to small numbers. The symbol '.' is used to show that data are not available.

Figures are based on the number of deaths registered and mid-year population estimates, aggregated by region. Figures are based on geographical boundaries as of May 2016.

Figures for England, Wales, regions, counties and local authorities exclude deaths of non-residents. Scotland includes non-usual residents who die in Scotland and do not have an area of residence with a usual residence. Northern Ireland also includes non-usual residents whom are allocated to place of death (see <http://www.nisra.gov.uk>).

On 1st April 2009, there was a re-organisation of local governments in England, which created nine new local authorities.

The changes can be summarised as follows:

- 1 County Durham UA comprises the former Durham county.
- 2 Northumberland UA comprises the former Northumberland county.
- 3 Cheshire East UA comprises part of the former Cheshire county (Congleton, Crewe and Northwich).
- 4 Cheshire West and Chester UA comprises part of the former Cheshire county (Chester, Macclesfield and Stockport).
- 5 Shropshire UA comprises the former Shropshire county.
- 6 Bedford UA comprises part of the former Bedfordshire county (Bedford district).
- 7 Central Bedfordshire UA comprises part of the former Bedfordshire county (Mid Bedfordshire).
- 8 Cornwall UA comprises the former Cornwall and Isles of Scilly county excluding Isles of Scilly.
- 9 The Isles of Scilly were recoded on 1 April 2009. They are separately administered by a local authority.
- 10 Wiltshire UA comprises the former Wiltshire county.

, 2001 to 2003 to 2014 to 2016

of deaths and populations.

ed over 3 consecutive years

thin Scotland and imputation is used to assign to geography of 'residence' (see section 1.3.1 in the follow
www.nisra.gov.uk/archive/demography/vital/deaths/life_tables/LE%20Information%20Paper.pdf for more

new unitary authorities. Figures based on the new boundaries are presented in this dataset.

Nantwich and Macclesfield districts).
Ellesmere Port & Neston and Vale Royal districts).

shire and South Bedfordshire districts).
Scilly district.
n Isles of Scilly council and do not form part of Cornwall UA.

ving: <http://www.scotpho.org.uk/downloads/hle/HLE-technical-paper-2015-v9.pdf>)
e details)

Life Expectancy at age 65 for males, United Kingdom, 2001-2003 to 2014-2016

Area Codes	Area Names	2001-2003	2002-2004
K02000001	UNITED KINGDOM	16.1	16.3
E92000001	ENGLAND	16.3	16.5
E12000001	NORTH EAST	15.2	15.5
E06000047	County Durham	15.2	15.5
E06000005	Darlington	15.2	15.5
E06000001	Hartlepool	14.7	15.0
E06000002	Middlesbrough	15.3	15.2
E06000057	Northumberland	15.7	15.9
E06000003	Redcar and Cleveland	15.8	15.8
E06000004	Stockton-on-Tees	15.5	15.9
E11000007	Tyne and Wear (Met County)	15.1	15.3
E08000037	Gateshead	15.0	15.5
E08000021	Newcastle upon Tyne	15.3	15.5
E08000022	North Tyneside	15.4	15.4
E08000023	South Tyneside	15.0	15.1
E08000024	Sunderland	14.6	14.9
E12000002	NORTH WEST	15.5	15.7
E06000008	Blackburn with Darwen	15.1	15.1
E06000009	Blackpool	15.1	15.3
E06000049	Cheshire East	16.5	16.7
E06000050	Cheshire West and Chester	16.5	16.6
E06000006	Halton	14.8	15.0
E06000007	Warrington	15.4	15.5
E10000006	Cumbria	16.2	16.4
E07000026	Allerdale	15.8	16.2
E07000027	Barrow-in-Furness	15.2	15.6
E07000028	Carlisle	15.8	15.9
E07000029	Copeland	15.9	15.7
E07000030	Eden	17.2	17.0
E07000031	South Lakeland	17.2	17.5
E11000001	Greater Manchester (Met County)	15.1	15.3
E08000001	Bolton	15.5	15.7
E08000002	Bury	15.5	15.7
E08000003	Manchester	14.2	14.6
E08000004	Oldham	15.0	14.9
E08000005	Rochdale	15.1	15.1
E08000006	Salford	14.4	14.5
E08000007	Stockport	16.0	16.4
E08000008	Tameside	14.8	15.0
E08000009	Trafford	16.5	16.9
E08000010	Wigan	14.8	15.0
E10000017	Lancashire	15.8	16.0
E07000117	Burnley	15.1	14.9
E07000118	Chorley	15.5	15.7
E07000119	Fylde	16.5	16.7
E07000120	Hyndburn	15.0	15.4

E07000121	Lancaster	15.7	16.2
E07000122	Pendle	16.2	16.1
E07000123	Preston	15.4	15.8
E07000124	Ribble Valley	16.8	16.9
E07000125	Rossendale	15.2	15.2
E07000126	South Ribble	16.1	16.6
E07000127	West Lancashire	15.4	15.8
E07000128	Wyre	16.3	16.3
E11000002	Merseyside (Met County)	15.1	15.4
E08000011	Knowsley	14.7	14.9
E08000012	Liverpool	14.3	14.5
E08000014	Sefton	15.8	16.2
E08000013	St. Helens	14.9	15.2
E08000015	Wirral	15.9	16.2
E12000003	YORKSHIRE AND THE HUMBER	15.9	16.1
E06000011	East Riding of Yorkshire	16.4	16.6
E06000010	Kingston upon Hull, City of	15.2	15.4
E06000012	North East Lincolnshire	15.5	15.8
E06000013	North Lincolnshire	15.8	16.1
E06000014	York	16.5	17.0
E10000023	North Yorkshire	16.9	17.1
E07000163	Craven	17.7	17.8
E07000164	Hambleton	17.1	17.6
E07000165	Harrogate	16.9	17.0
E07000166	Richmondshire	16.7	16.8
E07000167	Ryedale	17.5	17.4
E07000168	Scarborough	16.8	16.8
E07000169	Selby	16.0	16.4
E11000003	South Yorkshire (Met County)	15.6	15.8
E08000016	Barnsley	14.9	15.1
E08000017	Doncaster	15.6	15.6
E08000018	Rotherham	15.5	15.6
E08000019	Sheffield	16.0	16.3
E11000006	West Yorkshire (Met County)	15.8	15.9
E08000032	Bradford	15.6	15.7
E08000033	Calderdale	15.8	15.7
E08000034	Kirklees	15.6	15.7
E08000035	Leeds	16.1	16.4
E08000036	Wakefield	15.3	15.6
E12000004	EAST MIDLANDS	16.2	16.4
E06000015	Derby	16.2	16.4
E06000016	Leicester	15.2	15.6
E06000018	Nottingham	14.9	15.2
E06000017	Rutland	18.0	18.3
E10000007	Derbyshire	15.9	16.1
E07000032	Amber Valley	15.6	15.9
E07000033	Bolsover	15.2	15.1
E07000034	Chesterfield	15.2	15.6
E07000035	Derbyshire Dales	16.9	17.1
E07000036	Erewash	16.0	16.2

E07000037	High Peak	16.5	16.9
E07000038	North East Derbyshire	16.3	16.4
E07000039	South Derbyshire	15.8	16.0
E10000018	Leicestershire	16.9	17.0
E07000129	Blaby	17.4	17.2
E07000130	Charnwood	16.8	16.9
E07000131	Harborough	17.2	17.6
E07000132	Hinckley and Bosworth	17.0	16.9
E07000133	Melton	16.5	16.8
E07000134	North West Leicestershire	16.0	16.3
E07000135	Oadby and Wigston	17.7	17.5
E10000019	Lincolnshire	16.7	16.9
E07000136	Boston	16.5	16.6
E07000137	East Lindsey	16.7	16.9
E07000138	Lincoln	15.9	16.3
E07000139	North Kesteven	16.9	16.9
E07000140	South Holland	16.7	17.0
E07000141	South Kesteven	17.2	17.4
E07000142	West Lindsey	16.5	16.9
E10000021	Northamptonshire	16.2	16.4
E07000150	Corby	15.3	15.6
E07000151	Daventry	16.2	16.5
E07000152	East Northamptonshire	16.8	16.8
E07000153	Kettering	16.1	16.3
E07000154	Northampton	16.0	16.1
E07000155	South Northamptonshire	17.0	17.4
E07000156	Wellingborough	16.3	16.3
E10000024	Nottinghamshire	16.0	16.2
E07000170	Ashfield	15.0	15.2
E07000171	Bassetlaw	15.4	15.8
E07000172	Broxtowe	16.4	16.9
E07000173	Gedling	16.9	16.9
E07000174	Mansfield	15.4	15.6
E07000175	Newark and Sherwood	16.0	16.5
E07000176	Rushcliffe	16.9	17.1
E12000005	WEST MIDLANDS	16.0	16.2
E06000019	Herefordshire, County of	17.0	17.2
E06000051	Shropshire	16.6	16.9
E06000021	Stoke-on-Trent	14.7	14.8
E06000020	Telford and Wrekin	15.8	16.1
E10000028	Staffordshire	15.9	16.1
E07000192	Cannock Chase	15.5	15.6
E07000193	East Staffordshire	15.3	15.8
E07000194	Lichfield	16.0	16.2
E07000195	Newcastle-under-Lyme	16.0	16.1
E07000196	South Staffordshire	16.3	16.4
E07000197	Stafford	16.6	16.6
E07000198	Staffordshire Moorlands	15.9	16.1
E07000199	Tamworth	15.1	15.9
E10000031	Warwickshire	16.5	16.7
E07000218	North Warwickshire	15.9	16.3

E07000219	Nuneaton and Bedworth	15.7	15.8
E07000220	Rugby	16.5	16.7
E07000221	Stratford-on-Avon	17.1	17.2
E07000222	Warwick	17.1	17.1
E11000005	West Midlands (Met County)	15.7	15.9
E08000025	Birmingham	15.4	15.6
E08000026	Coventry	15.9	15.8
E08000027	Dudley	15.8	16.1
E08000028	Sandwell	14.8	15.2
E08000029	Solihull	17.0	17.3
E08000030	Walsall	16.0	16.1
E08000031	Wolverhampton	15.9	16.0
E10000034	Worcestershire	16.6	17.0
E07000234	Bromsgrove	16.5	16.8
E07000235	Malvern Hills	17.0	17.2
E07000236	Redditch	16.6	16.8
E07000237	Worcester	16.0	16.6
E07000238	Wychavon	17.3	17.8
E07000239	Wyre Forest	16.2	16.5
E12000006	EAST	16.8	17.0
E06000055	Bedford	16.8	16.9
E06000056	Central Bedfordshire	16.6	16.8
E06000032	Luton	16.0	16.1
E06000031	Peterborough	15.7	16.0
E06000033	Southend-on-Sea	16.2	16.5
E06000034	Thurrock	15.7	15.9
E10000003	Cambridgeshire	17.0	17.2
E07000008	Cambridge	17.4	17.6
E07000009	East Cambridgeshire	17.3	17.5
E07000010	Fenland	15.6	16.3
E07000011	Huntingdonshire	16.9	17.1
E07000012	South Cambridgeshire	18.0	17.8
E10000012	Essex	16.9	17.1
E07000066	Basildon	16.4	16.5
E07000067	Braintree	16.1	16.2
E07000068	Brentwood	18.2	18.0
E07000069	Castle Point	16.5	16.5
E07000070	Chelmsford	17.3	17.6
E07000071	Colchester	16.9	17.2
E07000072	Epping Forest	17.1	17.2
E07000073	Harlow	16.5	16.7
E07000074	Maldon	17.5	17.3
E07000075	Rochford	17.3	17.5
E07000076	Tendring	16.7	17.0
E07000077	Uttlesford	17.6	18.0
E10000015	Hertfordshire	16.8	17.0
E07000095	Broxbourne	16.3	16.7
E07000096	Dacorum	16.9	17.3
E07000242	East Hertfordshire	17.1	17.3
E07000098	Hertsmere	17.2	16.9
E07000099	North Hertfordshire	16.3	17.0
E07000240	St Albans	17.4	17.4

E07000243	Stevenage	16.5	16.6
E07000102	Three Rivers	16.9	17.0
E07000103	Watford	16.0	16.2
E07000241	Welwyn Hatfield	17.1	17.0
E10000020	Norfolk	17.1	17.4
E07000143	Breckland	16.9	17.3
E07000144	Broadland	17.5	17.6
E07000145	Great Yarmouth	16.3	16.3
E07000146	King's Lynn and West Norfolk	17.0	17.3
E07000147	North Norfolk	17.5	17.8
E07000148	Norwich	16.8	17.1
E07000149	South Norfolk	18.0	18.2
E10000029	Suffolk	17.1	17.2
E07000200	Babergh	17.7	17.7
E07000201	Forest Heath	16.4	16.7
E07000202	Ipswich	16.3	16.5
E07000203	Mid Suffolk	17.1	17.3
E07000204	St Edmundsbury	16.9	17.1
E07000205	Suffolk Coastal	17.6	17.9
E07000206	Waveney	17.2	17.3
E12000007	LONDON	16.3	16.6
E13000001	Inner London		
E09000007	Camden	16.3	16.5
E09000001	City of London
E09000012	Hackney	16.3	16.5
E09000013	Hammersmith and Fulham	16.4	16.8
E09000014	Haringey	15.5	15.8
E09000019	Islington	15.3	15.9
E09000020	Kensington and Chelsea	18.7	19.2
E09000022	Lambeth	15.6	15.9
E09000023	Lewisham	15.3	15.6
E09000025	Newham	15.0	15.6
E09000028	Southwark	15.8	16.0
E09000030	Tower Hamlets	14.8	15.3
E09000032	Wandsworth	15.8	16.2
E09000033	Westminster	17.5	17.6
E13000002	Outer London		
E09000002	Barking and Dagenham	14.7	15.0
E09000003	Barnet	17.3	17.6
E09000004	Bexley	16.7	17.0
E09000005	Brent	16.8	17.1
E09000006	Bromley	17.1	17.4
E09000008	Croydon	16.8	16.9
E09000009	Ealing	16.3	16.5
E09000010	Enfield	16.5	16.7
E09000011	Greenwich	15.3	15.3
E09000015	Harrow	17.8	18.0
E09000016	Havering	16.2	16.4
E09000017	Hillingdon	16.7	16.6
E09000018	Hounslow	15.7	15.8
E09000021	Kingston upon Thames	16.9	17.3
E09000024	Merton	16.7	17.1
E09000026	Redbridge	16.6	16.8
E09000027	Richmond upon Thames	17.3	17.4

E09000029	Sutton	16.8	17.3
E09000031	Waltham Forest	15.3	15.7
E12000008	SOUTH EAST	16.9	17.1
E06000036	Bracknell Forest	16.7	17.0
E06000043	Brighton and Hove	16.2	16.7
E06000046	Isle of Wight	16.6	16.9
E06000035	Medway	15.5	15.8
E06000042	Milton Keynes	16.0	16.1
E06000044	Portsmouth	16.0	16.1
E06000038	Reading	16.4	16.5
E06000039	Slough	16.4	16.8
E06000045	Southampton	16.2	16.2
E06000037	West Berkshire	17.0	17.5
E06000040	Windsor and Maidenhead	16.8	16.8
E06000041	Wokingham	17.2	17.9
E10000002	Buckinghamshire	17.1	17.4
E07000004	Aylesbury Vale	16.9	17.1
E07000005	Chiltern	17.2	17.9
E07000006	South Bucks	17.4	17.5
E07000007	Wycombe	17.1	17.5
E10000011	East Sussex	17.2	17.3
E07000061	Eastbourne	16.8	17.1
E07000062	Hastings	15.8	16.1
E07000063	Lewes	17.9	18.1
E07000064	Rother	17.1	17.1
E07000065	Wealden	17.8	17.8
E10000014	Hampshire	17.2	17.4
E07000084	Basingstoke and Deane	16.5	16.4
E07000085	East Hampshire	16.9	17.3
E07000086	Eastleigh	16.6	16.7
E07000087	Fareham	17.6	17.9
E07000088	Gosport	15.9	16.3
E07000089	Hart	17.9	18.2
E07000090	Havant	16.9	16.9
E07000091	New Forest	18.3	18.3
E07000092	Rushmoor	16.2	16.7
E07000093	Test Valley	16.7	17.4
E07000094	Winchester	17.9	18.0
E10000016	Kent	16.7	16.7
E07000105	Ashford	17.5	17.7
E07000106	Canterbury	16.6	16.5
E07000107	Dartford	16.3	16.2
E07000108	Dover	16.3	16.5
E07000109	Gravesham	16.6	16.7
E07000110	Maidstone	16.6	16.8
E07000111	Sevenoaks	17.9	18.0
E07000112	Shepway	16.6	16.7
E07000113	Swale	16.2	16.1
E07000114	Thanet	16.0	16.1
E07000115	Tonbridge and Malling	16.6	16.7
E07000116	Tunbridge Wells	17.5	17.6
E10000025	Oxfordshire	17.1	17.3

E07000177	Cherwell	16.5	16.7
E07000178	Oxford	16.9	16.9
E07000179	South Oxfordshire	17.2	17.5
E07000180	Vale of White Horse	17.4	17.6
E07000181	West Oxfordshire	17.5	17.9
E10000030	Surrey	17.3	17.5
E07000207	Elmbridge	17.5	17.8
E07000208	Epsom and Ewell	17.1	17.6
E07000209	Guildford	17.9	17.8
E07000210	Mole Valley	17.4	17.3
E07000211	Reigate and Banstead	16.8	17.2
E07000212	Runnymede	16.7	17.1
E07000213	Spelthorne	17.5	17.7
E07000214	Surrey Heath	16.4	17.2
E07000215	Tandridge	17.8	18.1
E07000216	Waverley	17.7	17.8
E07000217	Woking	17.2	17.3
E10000032	West Sussex	17.3	17.4
E07000223	Adur	17.1	16.9
E07000224	Arun	17.3	17.4
E07000225	Chichester	17.7	17.9
E07000226	Crawley	18.0	18.5
E07000227	Horsham	17.4	17.5
E07000228	Mid Sussex	17.1	17.3
E07000229	Worthing	16.6	16.6
E12000009	SOUTH WEST	17.0	17.3
E06000022	Bath and North East Somerset	17.5	17.7
E06000028	Bournemouth	16.7	16.9
E06000023	Bristol, City of	15.9	16.2
E06000052	Cornwall	16.9	17.3
E06000053	Isles of Scilly
E06000024	North Somerset	17.1	17.2
E06000026	Plymouth	15.9	16.1
E06000029	Poole	17.4	17.4
E06000025	South Gloucestershire	17.5	17.7
E06000030	Swindon	16.2	16.6
E06000027	Torbay	17.0	17.2
E06000054	Wiltshire	17.2	17.4
E10000008	Devon	17.3	17.5
E07000040	East Devon	17.7	18.0
E07000041	Exeter	16.6	16.6
E07000042	Mid Devon	17.7	17.6
E07000043	North Devon	16.8	17.0
E07000044	South Hams	17.9	18.2
E07000045	Teignbridge	17.4	17.7
E07000046	Torridge	16.7	16.8
E07000047	West Devon	17.0	17.7
E10000009	Dorset	17.9	18.3
E07000048	Christchurch	18.0	18.3
E07000049	East Dorset	18.7	19.0
E07000050	North Dorset	18.2	18.5
E07000051	Purbeck	18.2	18.3
E07000052	West Dorset	17.7	18.0

E07000053	Weymouth and Portland	16.7	17.3
E10000013	Gloucestershire	16.9	17.1
E07000078	Cheltenham	16.9	17.4
E07000079	Cotswold	17.4	17.6
E07000080	Forest of Dean	16.2	16.4
E07000081	Gloucester	16.6	16.6
E07000082	Stroud	16.9	17.3
E07000083	Tewkesbury	17.6	17.6
E10000027	Somerset	17.0	17.3
E07000187	Mendip	16.9	16.9
E07000188	Sedgemoor	16.6	17.0
E07000189	South Somerset	17.1	17.5
E07000190	Taunton Deane	17.0	17.4
E07000191	West Somerset	17.8	18.1
W92000004	WALES	15.9	16.1
W06000001	Isle of Anglesey / Ynys Môn	16.4	16.9
W06000002	Gwynedd / Gwynedd	16.4	16.6
W06000003	Conwy / Conwy	16.6	16.9
W06000004	Denbighshire / Sir Ddinbych	16.3	16.7
W06000005	Flintshire / Sir y Fflint	16.0	16.2
W06000006	Wrexham / Wrecsam	15.6	15.8
W06000023	Powys / Powys	16.8	17.2
W06000008	Ceredigion / Ceredigion	17.7	17.5
W06000009	Pembrokeshire / Sir Benfro	15.8	16.1
W06000010	Carmarthenshire / Sir Gaerfyrddin	15.4	15.6
W06000011	Swansea / Abertawe	16.3	16.2
W06000012	Neath Port Talbot / Castell-nedd Port Talbot	15.2	15.5
W06000013	Bridgend / Pen-y-bont ar Ogwr	15.7	15.7
W06000014	Vale of Glamorgan / Bro Morgannwg	16.1	16.6
W06000015	Cardiff / Caerdydd	16.0	16.1
W06000016	Rhondda Cynon Taf / Rhondda Cynon Taf	14.9	15.0
W06000024	Merthyr Tydfil / Merthyr Tudful	14.6	14.8
W06000018	Caerphilly / Caerffili	15.0	15.1
W06000019	Blaenau Gwent / Blaenau Gwent	14.5	14.6
W06000020	Torfaen / Tor-faen	16.0	16.4
W06000021	Monmouthshire / Sir Fynwy	16.7	17.3
W06000022	Newport / Casnewydd	15.8	16.2
S92000003	SCOTLAND	15.1	15.2
S12000033	Aberdeen City	15.5	15.8
S12000034	Aberdeenshire	16.2	16.4
S12000041	Angus	15.8	16.0
S12000035	Argyll and Bute	15.8	15.9
S12000036	City of Edinburgh	15.7	15.9
S12000005	Clackmannanshire	15.0	15.3
S12000006	Dumfries and Galloway	16.1	16.2
S12000042	Dundee City	14.8	14.9
S12000008	East Ayrshire	14.4	14.9
S12000045	East Dunbartonshire	16.7	16.7
S12000010	East Lothian	16.0	15.9
S12000011	East Renfrewshire	16.1	16.4
S12000014	Falkirk	14.9	14.9
S12000015	Fife	15.4	15.4
S12000046	Glasgow City	13.2	13.3

S12000017	Highland	15.5	15.7
S12000018	Inverclyde	13.9	13.9
S12000019	Midlothian	15.2	15.3
S12000020	Moray	15.2	15.6
S12000013	Na h-Eileanan Siar	14.4	14.2
S12000021	North Ayrshire	14.8	15.0
S12000044	North Lanarkshire	14.1	14.4
S12000023	Orkney Islands	16.3	16.5
S12000024	Perth and Kinross	16.6	16.5
S12000038	Renfrewshire	14.3	14.4
S12000026	Scottish Borders	16.1	16.3
S12000027	Shetland Islands	15.6	16.1
S12000028	South Ayrshire	15.4	15.4
S12000029	South Lanarkshire	14.9	14.9
S12000030	Stirling	15.8	16.0
S12000039	West Dunbartonshire	14.2	14.4
S12000040	West Lothian	14.0	14.6
N92000002	NORTHERN IRELAND	15.9	16.1
N09000001	Antrim and Newtownabbey	16.1	16.3
N09000002	Armagh, Banbridge and Craigavon	15.9	16.4
N09000003	Belfast	15.0	15.3
N09000004	Causeway Coast and Glens	16.7	16.9
N09000005	Derry and Strabane	14.9	15.2
N09000006	Fermanagh and Omagh	15.6	15.9
N09000007	Lisburn and Castlereagh	16.1	16.2
N09000008	Mid and East Antrim	16.4	16.5
N09000009	Mid Ulster	16.1	16.4
N09000010	Newry, Mourne and Down	16.1	16.3
N09000011	North Down and Ards	16.8	17.0

Footnotes

Figures exclude deaths of non-residents

Figures are not available for City of London and Isles of Scilly due to small numbers of deaths and popu

2003-2005 2004-2006 2005-2007 2006-2008 2007-2009 2008-2010 2009-2011 2010-2012 2011-2013

16.6	16.9	17.2	17.4	17.6	17.8	18.1	18.3	18.4
16.8	17.1	17.3	17.5	17.7	18.0	18.2	18.4	18.5
15.7	16.1	16.4	16.5	16.8	17.0	17.4	17.5	17.7
15.7	16.0	16.3	16.5	16.8	17.0	17.5	17.6	17.7
16.0	16.4	16.9	17.2	17.4	17.5	17.7	17.8	18.1
15.1	15.4	15.5	15.6	15.9	16.2	17.0	17.2	17.5
15.2	15.4	15.7	16.0	16.3	16.4	16.5	16.6	16.8
16.3	16.9	17.3	17.5	17.7	18.0	18.3	18.3	18.4
15.9	16.3	16.8	16.8	17.2	17.5	18.0	18.0	18.0
15.9	16.4	16.5	16.6	16.6	16.9	17.3	17.7	18.1
15.6	15.9	16.1	16.2	16.5	16.7	17.0	17.2	17.4
15.9	16.4	16.7	16.7	16.8	16.9	17.1	17.5	17.5
15.7	15.9	15.9	16.0	16.2	16.6	17.0	17.2	17.7
15.9	16.1	16.4	16.4	16.7	16.9	17.3	17.5	17.6
15.2	15.6	15.8	16.1	16.4	16.5	16.7	16.7	17.0
15.3	15.6	15.8	15.9	16.3	16.5	17.0	17.2	17.3
15.9	16.2	16.5	16.7	16.9	17.1	17.4	17.7	17.8
15.5	15.8	15.9	16.2	16.1	16.6	16.8	17.3	17.2
15.4	15.7	15.9	16.2	16.1	16.0	16.1	16.4	16.6
17.0	17.3	17.7	17.8	18.1	18.3	18.8	19.1	19.2
16.9	17.1	17.4	17.5	17.8	18.1	18.4	18.4	18.5
15.3	15.5	15.8	15.7	15.9	16.1	16.7	16.9	17.0
15.9	16.1	16.1	16.4	17.0	17.3	17.7	17.5	17.7
16.6	16.8	17.2	17.5	17.7	18.0	18.2	18.4	18.6
16.4	16.4	16.7	17.1	17.6	17.6	17.8	17.8	18.3
16.0	16.2	16.0	16.2	16.9	17.8	17.9	18.0	17.7
16.1	16.4	16.8	17.2	17.1	17.4	17.9	18.2	18.4
15.7	16.0	16.5	17.3	17.5	17.7	17.7	17.6	17.6
17.1	17.3	17.7	17.8	18.0	18.2	18.8	19.1	19.4
18.0	18.2	18.7	18.8	18.9	18.9	19.1	19.5	19.6
15.6	15.9	16.1	16.3	16.5	16.7	17.0	17.3	17.5
15.7	16.1	16.1	16.5	16.6	17.2	17.4	17.3	17.3
16.0	16.2	16.5	16.3	16.8	17.0	17.5	17.6	17.8
14.8	15.0	15.0	15.2	15.3	15.4	15.4	15.7	15.9
15.1	15.5	15.7	15.9	16.1	16.3	16.7	17.0	17.3
15.3	15.5	15.8	16.1	16.5	16.8	17.0	17.3	17.6
14.8	15.4	15.6	15.8	15.6	15.6	16.1	16.6	17.1
16.7	16.9	17.1	17.5	17.7	18.1	18.4	18.8	19.0
15.2	15.5	15.7	15.9	16.1	16.4	16.7	16.9	17.0
16.7	17.2	17.4	17.9	18.1	18.1	18.4	18.5	18.8
15.2	15.5	15.8	16.0	16.2	16.5	16.9	17.1	17.3
16.3	16.7	16.9	17.1	17.3	17.5	17.7	17.9	18.0
15.6	16.0	16.5	16.6	16.8	17.0	16.9	16.8	16.8
15.9	16.3	16.8	17.3	17.4	17.6	17.7	18.1	18.3
17.1	17.2	17.6	17.9	18.1	18.4	18.4	18.7	18.5
15.8	16.3	16.5	16.3	16.1	16.3	16.8	17.3	17.0

16.6	17.0	17.1	17.1	17.3	17.4	17.5	17.5	17.8
16.0	16.3	16.7	17.2	17.7	17.9	18.1	18.2	18.3
15.8	16.1	16.0	16.2	16.5	16.9	17.3	17.5	17.3
17.2	17.3	17.7	18.0	17.9	17.9	18.1	18.7	19.1
15.4	15.9	15.9	16.1	15.9	16.5	16.5	17.2	17.4
17.0	17.5	17.4	17.5	17.8	18.3	18.7	18.9	19.1
16.2	16.6	16.9	17.2	17.4	17.3	17.6	17.9	18.1
16.5	16.9	17.1	17.5	17.6	18.1	18.2	18.2	18.3
15.7	16.0	16.2	16.3	16.5	16.7	17.1	17.4	17.5
14.9	15.2	15.5	15.8	16.1	16.4	16.7	17.1	17.1
14.9	15.3	15.5	15.5	15.7	15.9	16.3	16.5	16.8
16.5	16.9	17.1	17.2	17.4	17.4	17.6	17.7	18.1
15.5	15.9	16.0	16.2	16.4	16.9	17.4	17.8	17.7
16.4	16.5	16.6	16.7	16.9	17.4	17.7	17.9	17.8
16.4	16.7	16.9	17.1	17.3	17.4	17.7	17.9	17.9
16.9	17.4	17.8	17.9	18.1	18.1	18.3	18.5	18.6
15.5	15.7	15.8	15.9	16.0	16.3	16.4	16.8	16.8
16.1	16.5	16.5	16.5	16.6	16.9	17.5	17.7	17.7
16.3	16.8	17.1	17.3	17.3	17.6	17.8	17.9	17.7
17.2	17.5	17.8	18.2	18.5	18.6	18.5	18.4	18.3
17.3	17.6	17.9	18.1	18.3	18.5	18.7	18.9	19.0
18.0	18.2	18.4	18.2	18.4	18.5	18.8	19.4	19.6
17.6	18.1	18.1	18.9	19.2	19.4	19.3	19.5	19.8
17.5	17.8	18.3	18.2	18.4	18.5	19.0	19.2	19.3
17.5	17.8	18.4	18.1	17.9	17.8	18.5	18.9	19.2
17.3	17.6	17.7	18.2	18.4	18.7	18.9	18.8	19.1
16.9	17.1	17.2	17.4	17.6	18.0	18.0	18.4	18.3
16.8	17.0	17.3	17.5	18.0	18.5	18.6	18.5	18.3
16.1	16.4	16.7	16.8	16.9	17.1	17.4	17.6	17.8
15.5	15.8	16.1	16.1	16.4	16.7	17.1	17.4	17.7
15.9	16.1	16.5	16.7	16.9	17.1	17.2	17.3	17.4
16.1	16.3	16.5	16.5	16.5	16.7	17.1	17.4	17.7
16.5	16.8	17.1	17.3	17.4	17.5	17.8	17.9	18.1
16.2	16.4	16.7	16.8	17.0	17.2	17.5	17.6	17.6
16.0	16.2	16.5	16.6	16.9	17.2	17.5	17.5	17.6
16.0	16.2	16.8	17.0	17.3	17.2	17.2	17.3	17.5
16.1	16.5	16.9	17.0	17.0	17.3	17.6	17.9	17.9
16.6	16.8	16.9	17.0	17.2	17.4	17.6	17.5	17.6
15.9	16.1	16.4	16.5	16.8	17.0	17.3	17.5	17.6
16.7	17.0	17.2	17.3	17.6	17.8	18.0	18.2	18.4
16.7	16.8	16.8	16.9	17.2	17.4	18.0	18.1	18.2
15.7	16.1	16.1	16.2	16.4	16.5	16.9	17.2	17.2
15.4	15.8	15.8	15.9	16.1	16.3	16.6	16.7	16.8
18.6	19.7	19.2	19.5	19.3	20.0	19.8	19.9	19.9
16.5	16.8	17.0	17.2	17.6	17.8	18.1	18.2	18.2
16.4	17.0	17.4	17.4	17.6	17.9	18.0	18.2	18.1
15.4	15.8	15.9	16.0	16.3	16.9	17.2	17.1	17.1
16.1	16.7	16.8	17.0	17.1	17.0	17.3	17.6	17.8
17.4	17.7	18.2	18.4	18.8	19.0	19.1	19.2	19.1
16.5	16.5	16.8	17.1	17.9	17.9	18.4	18.2	18.5

16.9	17.2	17.2	17.5	17.5	17.9	18.2	18.5	18.4
16.8	17.0	17.1	17.3	17.6	18.2	18.4	18.7	18.8
16.3	16.7	17.0	17.3	17.7	18.0	18.1	17.9	18.0
17.1	17.5	17.8	18.1	18.3	18.3	18.6	18.8	19.0
17.7	18.2	18.7	18.7	18.7	18.5	18.8	19.3	19.4
16.9	17.1	17.4	18.0	18.5	18.4	18.4	18.5	19.0
17.4	18.0	18.0	18.5	18.4	18.8	19.1	19.2	19.2
17.3	17.6	18.1	18.1	18.0	18.1	18.3	18.5	18.8
17.2	17.4	17.7	17.9	18.7	19.1	19.1	19.1	19.1
16.4	16.8	17.1	17.3	17.6	17.6	18.2	18.4	18.5
17.3	17.4	18.1	18.3	18.6	18.4	18.6	18.9	18.8
17.1	17.2	17.5	17.6	17.8	18.0	18.2	18.4	18.5
16.7	17.0	17.0	17.0	16.8	17.4	18.0	18.6	18.2
17.2	17.2	17.5	17.7	17.8	17.8	17.9	17.9	18.2
16.3	16.6	16.8	17.0	17.2	17.4	17.3	17.6	17.4
17.2	17.4	17.8	17.5	17.9	18.4	18.8	18.9	18.9
17.4	17.5	17.8	17.5	17.6	17.9	18.7	19.0	19.0
17.5	17.5	17.5	17.8	18.1	18.4	18.5	18.6	18.8
16.8	17.0	17.5	18.1	18.4	18.6	18.3	18.6	18.6
16.7	17.2	17.3	17.5	17.7	18.0	18.2	18.3	18.5
15.7	16.1	16.0	16.5	16.5	16.6	16.3	16.9	17.2
16.7	17.6	17.8	17.9	18.0	18.5	18.6	18.5	18.7
16.8	17.3	17.7	17.8	17.9	18.0	18.5	18.7	18.9
16.7	17.1	17.3	17.6	17.8	18.0	18.0	18.0	18.2
16.6	17.0	17.1	17.1	17.5	17.4	17.7	17.6	18.0
17.8	18.3	18.2	18.3	18.6	19.1	19.4	19.7	19.7
16.8	17.2	17.1	17.1	17.6	18.3	18.9	19.1	19.0
16.5	16.9	17.0	17.2	17.4	17.5	17.9	18.1	18.4
15.4	15.7	16.1	16.4	16.8	16.6	17.0	17.0	17.8
16.3	16.7	16.9	17.0	17.2	17.3	17.6	17.9	18.0
17.0	17.3	17.2	17.4	17.6	17.8	18.1	18.4	19.0
17.1	17.4	17.4	17.5	17.8	18.0	18.4	18.6	18.6
15.6	16.1	16.1	16.5	16.8	17.2	17.4	17.6	17.8
16.7	16.9	17.2	17.2	17.5	17.4	17.9	17.9	18.3
17.6	17.9	18.2	18.3	18.4	18.5	19.0	19.1	19.4
16.4	16.7	16.9	17.2	17.4	17.7	18.1	18.2	18.3
17.3	17.6	17.6	17.9	18.3	18.5	18.7	18.8	19.1
17.3	17.7	18.0	18.3	18.3	18.3	18.6	18.9	18.9
15.1	15.5	15.6	15.9	16.0	16.6	16.9	17.0	16.9
16.2	16.5	16.6	17.1	16.9	17.1	17.2	17.6	17.9
16.3	16.7	17.0	17.3	17.5	17.8	18.2	18.5	18.5
15.2	15.3	15.9	16.4	16.9	17.1	17.9	17.9	18.2
16.2	16.4	16.6	16.8	17.1	17.3	17.8	18.1	18.1
16.7	17.3	17.6	17.6	17.7	17.7	18.2	18.4	18.4
16.3	16.5	16.5	16.9	17.2	17.9	18.1	18.3	17.7
16.5	16.7	17.1	17.7	17.9	17.7	18.1	18.5	18.7
16.9	17.0	17.4	17.8	18.1	18.4	18.9	19.4	19.4
16.4	17.0	17.3	17.5	17.8	18.0	18.5	18.7	18.6
16.6	17.0	17.0	17.3	17.6	17.8	18.0	18.2	18.4
16.8	17.1	17.5	17.8	17.9	18.2	18.5	18.7	18.9
16.5	16.7	16.6	16.7	17.0	17.2	17.6	17.8	18.0

15.6	15.8	16.3	16.8	17.3	17.4	17.5	17.6	17.8
16.7	17.3	17.8	18.1	18.1	18.3	18.8	19.1	19.0
17.4	17.7	17.9	18.2	18.4	19.2	19.4	19.6	19.7
17.4	17.8	18.5	18.5	18.3	18.4	18.9	19.2	19.2
16.1	16.4	16.6	16.8	17.1	17.4	17.8	17.9	17.9
15.9	16.2	16.4	16.6	17.0	17.2	17.6	17.7	17.8
16.0	16.4	16.7	17.0	17.3	17.6	17.9	18.1	18.0
16.3	16.6	16.8	17.1	17.4	17.8	18.1	18.2	18.4
15.5	15.7	15.7	16.0	16.2	16.6	16.7	17.0	16.9
17.7	17.7	17.8	17.9	18.6	19.1	19.4	19.2	19.0
16.3	16.5	16.6	16.6	16.9	17.2	17.7	18.0	18.0
16.1	16.3	16.6	16.8	17.2	17.3	17.5	17.6	17.8
17.2	17.5	17.7	17.9	18.1	18.3	18.7	18.8	18.9
17.0	17.5	17.7	17.8	18.0	18.3	19.1	18.7	18.6
17.4	17.9	18.1	18.3	18.5	18.8	19.0	19.1	19.1
16.5	16.6	16.9	17.0	17.5	17.4	17.9	18.1	18.1
17.1	17.8	17.4	17.0	17.0	17.2	17.8	18.1	18.5
17.8	18.0	18.0	18.5	19.0	19.2	19.6	19.7	20.0
16.9	17.4	17.9	18.0	18.0	18.1	18.4	18.6	18.4
17.3	17.6	17.8	18.0	18.3	18.5	18.8	18.9	19.1
17.1	17.4	17.8	18.0	18.1	18.3	18.6	18.8	19.1
16.8	17.2	17.6	18.0	18.0	18.2	18.7	19.0	19.3
16.2	16.6	16.8	17.0	17.1	17.5	17.9	17.8	18.0
16.4	16.7	16.9	17.1	17.5	17.7	17.8	17.8	18.0
16.8	17.2	17.3	17.6	17.8	17.9	18.0	18.5	18.7
16.4	17.0	16.9	16.8	16.9	17.2	17.6	17.8	17.7
17.5	17.7	17.9	18.1	18.4	18.7	19.1	19.4	19.5
17.5	17.5	17.5	17.5	17.9	18.3	18.9	19.0	18.9
17.6	17.9	18.0	18.2	18.5	18.9	19.2	19.8	20.1
16.6	17.1	17.1	17.2	17.3	17.7	18.2	18.5	18.4
17.8	17.9	18.1	18.1	18.4	18.7	19.0	19.3	19.4
18.0	18.1	18.8	19.4	19.9	19.6	19.9	20.2	20.4
17.3	17.4	17.7	17.9	18.3	18.4	18.7	18.8	19.0
16.8	16.9	17.2	17.5	17.9	18.0	18.4	18.6	18.7
16.7	17.3	17.7	17.9	18.3	18.0	18.3	18.1	18.7
18.1	18.2	18.6	18.4	18.7	19.0	20.0	19.8	20.0
17.2	17.6	17.7	17.8	18.2	18.6	18.7	18.8	18.6
17.9	18.3	18.6	18.8	19.1	19.3	19.4	19.3	19.5
17.3	17.3	17.5	17.9	18.5	18.7	18.8	18.8	18.9
17.2	17.0	17.4	17.7	18.2	18.5	19.0	19.1	19.4
17.0	17.3	17.6	17.6	17.5	17.7	18.0	18.4	18.4
17.2	17.2	17.6	17.9	18.4	18.7	19.3	19.3	19.3
17.7	17.8	18.2	18.0	18.3	18.2	19.1	19.4	19.6
17.1	17.3	17.4	17.7	17.9	17.8	17.7	17.9	18.2
18.3	18.0	18.1	18.0	18.3	18.9	19.4	20.0	20.2
17.4	17.6	18.0	18.1	18.5	18.6	18.8	18.9	19.0
17.1	17.9	18.3	18.4	18.6	19.0	19.1	19.1	19.1
17.7	17.7	18.1	18.3	18.8	18.9	18.9	18.8	18.9
17.7	18.1	18.6	18.6	18.9	18.7	19.0	19.3	19.5
17.4	17.6	18.2	17.8	17.8	18.2	19.0	19.7	19.6
17.1	17.3	17.6	17.7	18.3	18.3	18.6	18.5	18.6
17.7	17.9	18.2	18.5	19.2	19.3	19.4	19.5	19.8

16.6	16.9	17.2	17.0	17.1	17.3	17.7	18.0	18.2
17.8	18.2	18.5	18.7	19.0	19.0	19.1	18.8	19.0
16.6	16.8	17.0	17.1	17.6	17.9	18.2	17.8	17.8
17.5	17.5	17.9	18.2	18.5	18.6	18.5	18.8	19.0
17.5	17.8	18.0	18.3	18.5	18.6	18.9	19.1	19.2
17.5	17.8	17.8	17.9	18.0	18.2	18.6	18.9	19.2
17.8	17.8	17.9	18.1	18.3	18.7	19.1	19.5	19.5
16.5	16.8	17.0	17.5	17.9	18.3	18.3	18.1	17.8
17.4	17.6	18.0	18.5	18.7	18.6	18.8	18.9	19.0
17.8	18.2	18.3	18.5	18.6	18.9	19.3	19.4	19.4
17.4	17.4	17.8	18.0	18.3	18.3	18.5	18.9	19.1
18.4	18.7	18.9	19.2	19.2	19.4	19.6	19.8	20.1
17.6	17.9	18.2	18.3	18.6	18.8	19.0	19.3	19.4
17.8	17.9	18.1	18.1	18.4	18.8	19.2	19.7	19.8
17.1	18.0	18.1	18.2	18.3	18.9	19.4	19.1	18.9
17.4	17.6	17.7	17.7	17.6	17.9	18.1	18.5	18.6
17.8	18.3	18.6	18.6	18.8	18.9	19.2	19.5	19.4
17.3	17.5	18.1	18.6	19.1	19.3	19.6	19.6	19.6
18.1	18.3	18.6	18.8	19.3	19.1	19.2	19.6	19.8
17.4	17.8	17.9	18.1	18.1	18.5	18.7	18.8	19.1
16.9	17.2	17.5	17.7	17.9	18.2	18.5	18.7	18.9
16.6	16.9	17.3	17.7	17.9	18.4	19.2	19.7	19.8
..
16.5	16.3	16.5	16.8	17.7	17.9	18.1	17.9	18.3
17.0	18.0	17.4	17.1	16.9	17.8	18.1	18.4	18.2
16.3	17.0	17.0	17.1	17.4	18.1	18.7	18.9	19.2
16.3	16.1	16.3	16.4	16.8	17.3	17.4	17.5	17.3
19.5	20.3	20.5	20.5	20.5	20.5	20.5	20.5	20.5
16.3	16.5	16.7	16.6	17.0	17.2	17.8	17.9	17.9
15.6	15.9	16.2	16.2	16.4	16.7	17.4	17.7	18.0
16.0	16.3	16.5	16.5	16.5	16.6	17.4	17.6	18.0
16.2	16.8	17.2	17.4	17.3	17.1	17.5	17.8	18.0
15.5	15.6	15.7	15.8	16.2	16.4	16.8	16.9	17.2
16.3	16.4	16.5	16.8	16.9	17.2	17.7	18.0	18.1
18.1	19.1	19.8	20.5	20.5	20.6	20.4	20.3	20.5
15.0	15.7	16.0	16.4	16.5	16.9	17.0	17.4	17.3
17.9	18.3	18.6	18.8	18.9	19.0	19.3	19.7	20.0
17.4	17.6	17.9	18.1	18.1	18.4	18.6	18.8	18.8
17.5	18.2	18.4	18.6	18.5	18.7	19.1	18.9	19.0
17.8	18.1	18.3	18.5	18.5	18.8	19.0	19.3	19.4
17.3	17.7	17.9	18.0	18.3	18.3	18.5	18.4	18.9
16.7	17.4	17.8	18.2	18.3	18.4	18.5	18.7	19.0
17.1	17.5	17.9	17.9	18.1	18.4	18.7	19.2	19.2
15.2	15.6	15.9	16.3	16.5	16.9	17.3	17.5	17.6
18.2	18.4	18.6	19.2	19.8	20.2	20.4	20.5	20.7
16.7	17.0	17.2	17.5	17.7	17.9	18.2	18.4	18.5
17.0	17.0	17.5	17.7	18.2	18.4	18.7	18.7	18.9
16.2	16.6	17.0	17.4	17.8	18.1	18.4	18.4	18.6
17.3	17.6	17.8	18.3	18.7	19.1	19.3	19.4	19.3
17.4	18.1	18.3	18.3	18.6	18.7	19.1	19.0	18.9
17.0	17.4	17.8	18.2	18.4	18.5	18.7	18.9	19.2
17.7	17.9	18.3	18.5	19.2	19.4	19.6	19.5	19.8

17.4	17.7	17.7	18.0	18.2	18.5	18.7	18.9	19.1
16.1	16.1	16.5	16.9	17.4	17.8	18.2	18.6	18.9
17.4	17.7	18.0	18.2	18.4	18.6	18.9	19.0	19.1
16.9	17.3	17.4	17.9	18.2	18.7	19.4	19.3	19.3
16.8	17.0	17.1	17.3	17.6	17.8	18.3	18.3	18.5
17.5	17.8	18.1	18.2	18.4	18.5	18.8	18.8	18.9
16.0	16.2	16.4	16.6	17.1	17.3	17.6	17.6	17.8
16.4	16.8	17.2	17.5	17.5	17.6	17.8	17.8	18.0
16.3	16.5	16.8	16.9	17.3	17.5	17.4	17.6	17.7
16.7	17.1	17.5	17.8	17.7	17.7	17.8	17.9	18.0
17.3	17.4	17.7	17.9	18.1	18.5	18.0	17.9	17.8
16.5	16.8	17.1	17.1	17.5	17.8	18.3	18.1	17.9
17.9	18.4	18.4	18.5	18.6	18.9	19.0	19.2	19.3
17.2	17.4	18.1	18.1	18.2	18.3	18.9	19.3	19.3
18.2	18.6	19.0	19.2	19.5	19.4	19.8	19.7	19.7
17.7	18.0	18.4	18.9	19.1	19.1	19.1	19.4	19.6
17.2	17.5	18.0	18.6	18.7	18.5	18.4	18.7	19.0
18.6	18.6	18.7	19.1	19.5	19.7	20.0	20.2	20.3
17.8	18.1	18.9	19.2	19.4	19.4	19.4	19.3	19.2
17.5	18.2	18.5	19.0	19.0	19.1	19.4	19.7	20.0
17.7	18.0	18.3	18.5	18.7	18.7	19.0	19.1	19.2
17.5	17.9	18.2	18.4	18.6	18.3	18.7	18.6	19.1
16.7	16.6	16.7	16.7	17.0	17.4	17.5	17.9	17.7
18.4	18.8	19.2	19.3	19.5	19.5	19.6	19.7	19.6
17.6	17.9	18.3	18.5	18.7	18.7	19.1	19.2	19.2
18.1	18.2	18.7	18.9	19.2	19.2	19.3	19.4	19.6
17.7	18.1	18.3	18.5	18.7	19.0	19.2	19.4	19.5
17.1	17.6	17.9	18.2	18.5	18.8	18.9	19.3	19.6
17.7	18.1	18.4	18.4	18.7	18.9	19.3	19.5	19.7
17.3	17.8	18.1	17.9	18.2	18.9	19.6	19.6	19.4
18.1	18.5	18.7	19.1	19.1	19.0	19.0	19.1	19.0
16.4	16.8	16.9	17.5	18.3	18.3	18.4	18.0	18.0
18.2	18.8	19.0	19.4	19.2	19.5	19.9	20.3	20.3
17.1	17.8	18.3	18.5	18.7	18.7	18.9	18.8	18.8
18.4	18.7	18.9	19.1	19.2	19.4	19.9	20.1	20.3
17.4	17.4	17.5	17.6	17.6	17.6	18.1	18.3	18.0
17.5	17.8	17.6	18.0	18.2	18.9	18.9	19.2	19.3
18.0	18.7	18.6	18.9	19.3	19.7	19.7	19.8	20.1
17.0	17.4	17.7	18.0	18.1	18.3	18.5	18.7	18.8
18.1	18.5	18.6	18.7	18.8	19.0	19.2	19.4	19.1
17.0	17.6	18.0	18.0	18.1	18.3	18.4	18.8	19.1
16.3	16.7	17.3	17.9	17.9	17.9	18.0	17.9	17.8
16.8	17.2	17.4	17.7	17.7	18.2	18.3	18.7	18.8
16.9	17.4	17.5	17.8	17.8	18.0	18.3	18.6	18.8
16.9	17.4	17.5	17.9	17.9	18.1	18.2	18.6	18.8
18.2	18.5	18.7	19.0	19.2	19.5	19.6	19.8	19.6
17.0	17.6	17.9	18.1	18.1	18.4	18.6	18.8	18.9
16.5	16.6	17.0	17.0	17.4	17.6	17.9	18.3	18.2
16.2	16.5	16.8	17.2	17.2	17.3	17.3	17.7	17.8
17.3	17.8	18.1	18.4	18.6	18.8	19.0	19.0	19.2
17.8	18.2	18.5	18.8	19.0	19.5	19.6	19.6	19.5
17.6	17.8	18.2	18.4	18.6	18.8	19.0	19.1	19.3

17.1	17.6	18.1	18.1	18.1	18.2	18.6	18.9	19.2
17.3	17.5	17.7	17.8	17.8	18.0	18.1	18.5	18.6
17.7	18.0	18.3	18.6	18.8	19.1	19.3	19.3	19.7
18.1	18.2	18.5	18.8	19.2	19.3	19.5	19.5	19.5
17.7	17.9	18.1	18.5	19.0	19.1	19.4	19.2	19.2
17.9	18.2	18.5	18.8	19.1	19.3	19.4	19.5	19.7
18.2	18.7	19.0	19.1	19.5	19.8	19.9	19.6	19.6
17.9	18.1	18.5	19.4	19.9	19.9	20.1	20.2	20.3
18.3	18.8	19.3	19.2	19.4	19.6	19.9	19.9	20.0
18.1	18.4	18.8	19.1	19.2	19.4	19.5	19.7	20.1
17.2	17.4	17.5	18.1	18.4	18.7	18.9	19.2	19.4
17.5	17.8	18.0	18.4	19.0	19.2	19.2	19.3	19.4
17.6	17.5	17.7	18.3	18.7	18.9	18.7	18.8	18.9
17.5	18.3	18.5	18.8	19.0	19.0	19.2	19.2	19.6
18.2	18.5	18.8	19.1	19.1	19.2	19.3	19.3	19.3
18.1	18.6	18.9	19.1	19.3	19.3	19.8	20.1	20.6
18.3	18.3	18.4	18.0	18.4	18.7	19.3	19.4	19.8
17.7	18.0	18.2	18.3	18.4	18.7	19.0	19.2	19.3
17.0	17.4	17.5	17.7	17.7	18.3	18.9	19.2	19.1
17.5	17.7	17.8	18.1	18.2	18.4	18.7	19.0	19.2
18.2	18.3	18.4	18.4	18.5	18.9	19.2	19.5	19.7
18.8	19.3	19.0	19.1	19.2	19.2	18.7	18.5	18.8
18.1	18.4	18.8	18.6	19.1	19.4	19.7	19.7	19.8
17.8	18.3	18.4	18.6	18.6	19.0	19.4	19.7	19.7
16.8	17.1	17.6	17.7	17.9	18.0	18.4	18.3	18.3
17.5	17.8	18.0	18.2	18.4	18.6	18.8	19.0	19.1
17.9	18.1	18.3	18.7	18.9	18.9	19.0	19.2	19.4
17.5	18.1	18.3	18.4	18.5	18.4	18.2	18.3	18.6
16.5	16.8	16.9	16.9	17.2	17.2	17.6	17.8	17.8
17.4	17.7	17.7	17.9	17.9	18.3	18.5	18.8	18.8
..
17.4	17.9	18.2	18.4	18.6	18.7	18.9	19.0	19.1
16.2	16.6	17.0	17.4	17.5	17.6	17.7	18.0	18.1
17.6	17.9	18.3	18.2	18.4	18.5	19.1	19.4	19.3
17.6	18.0	18.0	18.4	18.7	19.0	19.2	19.4	19.4
16.7	16.8	16.8	17.1	17.5	17.9	18.2	18.3	18.2
17.2	17.5	17.6	18.0	18.2	18.4	18.8	18.9	18.9
17.6	17.9	18.1	18.2	18.4	18.6	18.9	19.1	19.3
17.7	18.0	18.3	18.5	18.8	18.9	19.2	19.2	19.3
18.3	18.3	18.6	18.9	19.3	19.4	19.7	19.7	19.9
16.6	17.0	17.4	17.7	18.0	18.4	18.9	18.8	18.4
17.6	18.2	18.7	19.2	19.1	19.1	19.0	19.2	19.7
17.3	17.7	18.2	18.1	18.4	18.2	18.5	18.8	19.1
18.4	18.5	18.4	18.6	19.0	19.2	19.7	19.8	19.9
17.8	18.1	18.3	18.7	18.8	18.9	18.9	18.8	18.9
17.4	18.0	18.2	18.4	18.4	18.6	18.8	18.7	18.9
18.1	18.3	18.2	18.0	18.6	19.2	19.7	19.2	19.1
18.5	18.7	18.8	19.0	19.3	19.5	19.7	19.8	19.9
18.7	19.1	19.4	19.4	19.6	19.8	20.0	20.4	20.4
19.1	19.2	19.2	19.5	19.9	20.2	20.5	20.5	20.5
18.7	18.7	18.8	19.1	19.6	19.5	19.7	19.6	19.8
18.5	18.5	18.5	19.0	19.4	19.8	19.6	19.9	19.8
18.1	18.5	18.6	18.8	18.8	18.9	19.2	19.5	19.7

17.6	18.1	18.1	18.2	18.4	18.4	18.9	19.0	18.9
17.3	17.7	18.0	18.2	18.3	18.6	18.8	18.9	18.8
17.6	17.9	18.0	18.2	18.7	19.1	19.2	19.1	19.2
17.8	18.3	18.9	19.1	19.0	19.3	19.7	19.8	19.9
17.0	17.4	17.7	17.6	18.0	18.4	18.7	18.6	18.4
16.6	16.9	17.4	17.6	17.5	17.6	17.5	17.9	18.0
17.5	17.8	17.6	17.7	17.8	18.4	19.0	19.2	18.9
17.6	18.0	18.4	18.8	18.7	18.7	18.5	18.8	18.7
17.7	18.1	18.2	18.3	18.5	18.5	18.9	19.1	19.4
17.3	17.9	18.4	18.6	18.8	19.0	19.3	19.3	19.3
17.2	17.8	18.0	18.0	18.0	18.0	18.6	18.9	19.3
18.0	18.3	18.4	18.6	18.7	18.6	19.0	19.4	19.7
17.6	17.9	17.8	18.1	18.0	18.2	18.4	18.7	19.0
18.4	18.9	18.6	18.6	18.9	19.3	19.6	19.5	19.3
16.3	16.7	16.9	17.0	17.2	17.5	17.8	17.9	18.0
17.0	17.2	17.4	17.5	17.5	17.3	17.6	18.1	18.3
16.9	17.3	17.5	17.5	17.5	17.4	17.9	18.1	18.7
17.2	17.3	17.5	17.5	17.8	18.3	18.6	18.7	18.6
16.7	16.9	17.1	17.3	17.7	17.8	18.1	18.1	18.0
16.5	17.0	17.3	17.3	17.4	17.8	18.0	18.2	18.1
16.3	16.5	16.9	16.9	17.2	17.5	17.9	18.0	18.2
17.4	17.7	17.7	18.0	18.2	18.5	18.7	18.9	19.2
17.5	17.9	18.5	19.0	18.9	18.9	18.8	19.2	19.3
16.4	16.9	17.3	17.6	17.6	17.9	18.2	18.7	18.8
15.7	16.3	16.6	16.9	17.2	17.7	17.9	18.1	18.1
16.3	16.8	17.0	17.3	17.1	17.4	17.4	17.7	17.7
16.0	16.6	16.6	16.5	16.6	17.0	17.1	17.1	17.2
15.7	15.9	16.1	16.5	16.7	17.0	17.4	17.4	17.6
17.0	17.3	17.4	17.4	17.7	17.7	18.4	18.5	18.6
16.3	16.6	16.6	16.8	17.0	17.4	17.8	17.7	17.6
15.3	15.6	15.7	16.0	16.2	16.4	16.5	16.9	17.0
15.0	15.7	16.0	16.1	15.9	16.3	16.9	17.4	17.5
15.5	16.0	16.1	16.2	16.4	16.8	17.2	17.2	17.4
14.9	15.7	15.8	16.2	16.1	16.3	16.4	16.4	16.5
16.7	17.1	17.0	16.8	16.7	17.1	17.6	17.4	17.6
17.6	17.9	18.0	18.1	18.6	19.0	19.3	19.1	19.1
16.3	16.8	16.9	17.1	16.9	16.8	17.3	17.5	17.7
15.4	15.8	16.0	16.2	16.4	16.6	16.9	17.1	17.2
15.8	16.0	16.0	16.1	16.2	16.7	17.1	17.2	17.2
16.9	17.1	17.4	17.4	17.5	17.6	17.8	18.0	18.2
16.1	16.5	16.7	17.3	17.5	17.9	18.2	18.0	18.1
16.1	16.5	16.9	16.7	16.8	17.1	17.5	17.6	17.9
16.0	16.3	16.6	16.8	17.1	17.2	17.3	17.5	17.7
15.6	15.5	15.5	15.6	15.8	16.5	16.5	16.8	16.8
16.2	16.4	16.8	17.0	17.3	17.1	17.6	17.8	18.1
15.2	15.9	16.2	16.3	16.1	16.2	16.1	16.2	16.5
15.1	15.4	15.4	15.7	15.9	16.2	16.5	16.9	17.0
17.0	17.2	17.3	17.6	18.2	18.8	19.0	18.9	19.1
16.0	16.2	16.2	16.6	16.9	17.5	17.8	18.2	18.1
16.5	17.1	17.3	17.4	17.5	17.7	18.2	18.7	18.7
15.2	15.5	15.8	15.9	16.3	16.5	16.8	16.6	16.7
15.8	16.2	16.5	16.7	16.7	17.0	17.1	17.3	17.3
13.5	13.8	13.9	13.9	14.0	14.4	14.7	14.9	15.0

15.9	16.3	16.6	17.0	17.2	17.4	17.5	17.7	18.1
14.3	14.9	15.2	15.4	15.6	15.7	15.6	15.7	15.9
15.7	15.9	16.3	16.4	16.4	16.6	16.9	17.3	17.4
15.9	16.5	16.3	16.8	17.1	17.6	17.5	17.5	17.7
14.4	15.6	15.7	16.3	15.8	16.2	16.2	16.2	16.9
15.2	15.4	15.4	15.9	15.9	16.6	16.8	17.3	16.9
14.6	14.9	14.9	15.1	15.3	15.5	15.7	16.0	16.2
16.8	16.8	16.5	16.3	16.7	17.9	18.7	19.2	18.5
16.8	17.0	17.3	17.4	17.8	18.3	18.6	18.5	18.4
14.5	14.9	15.2	15.5	15.6	15.7	16.0	16.4	16.8
16.6	16.9	16.7	17.1	17.4	17.8	18.0	18.3	18.5
16.7	17.5	17.8	17.4	17.6	17.3	17.9	17.9	18.5
15.8	16.3	16.6	16.9	17.0	16.8	16.9	17.1	17.5
15.0	15.3	15.4	15.6	15.7	16.2	16.6	16.6	16.7
16.1	16.3	16.5	17.1	17.7	17.9	18.2	17.9	17.9
14.4	14.9	15.0	15.2	15.4	15.7	15.8	15.9	15.7
14.8	15.6	15.9	16.3	16.2	16.1	16.6	16.9	17.3
16.3	16.6	16.8	16.8	17.1	17.3	17.7	17.8	18.0
16.6	16.9	17.1	16.9	17.1	17.1	17.7	17.8	18.2
17.0	17.2	17.6	17.2	17.3	17.3	17.8	18.2	18.4
15.6	15.8	15.9	15.9	16.1	16.4	16.8	16.9	17.0
16.9	17.0	17.4	17.6	17.8	18.0	17.8	17.8	18.0
15.6	16.2	16.1	16.2	16.5	17.0	17.5	17.7	17.6
16.0	16.5	16.8	17.2	17.2	17.6	18.2	18.4	18.3
16.5	16.9	17.2	17.3	17.5	17.6	18.1	18.1	18.3
16.6	16.7	17.0	17.2	17.6	17.8	17.8	17.8	18.1
16.4	16.6	16.6	16.7	16.9	17.3	17.7	18.1	18.1
16.5	16.6	16.9	16.8	17.4	17.5	17.9	17.9	18.1
16.9	17.3	17.2	17.3	17.4	17.9	18.1	18.2	18.3

relations. This is denoted by the symbol '..'

2012-2014 2013-2015 2014-2016

18.5	18.5	18.6
18.6	18.7	18.8
17.8	17.8	17.8
17.8	18.0	18.0
18.0	18.0	18.0
17.5	17.3	17.2
16.9	17.0	16.7
18.5	18.6	18.8
18.1	18.0	18.0
18.2	18.1	18.0
17.5	17.5	17.4
17.7	17.7	17.6
17.7	17.7	17.5
17.4	17.2	17.3
17.4	17.5	17.6
17.3	17.2	17.2
17.9	17.9	18.0
17.3	17.5	17.4
16.8	16.5	16.5
19.2	19.4	19.4
18.7	18.9	18.8
17.1	17.3	17.3
17.7	17.8	18.1
18.7	18.8	18.9
18.6	18.9	18.9
17.7	17.4	17.6
18.2	18.6	18.6
17.7	17.8	18.1
19.8	19.7	19.9
19.8	19.8	20.1
17.5	17.6	17.6
17.4	17.7	17.8
17.8	17.7	17.7
15.9	15.8	15.8
17.4	17.2	17.1
17.5	17.5	17.4
17.1	17.1	17.2
19.2	19.1	19.1
17.2	17.2	17.2
18.9	18.9	18.9
17.3	17.5	17.7
18.1	18.2	18.4
17.0	17.2	17.2
18.3	18.5	18.6
18.6	18.7	18.9
17.2	17.1	17.5

18.1	18.3	18.3
18.2	18.3	18.4
17.3	17.3	17.6
19.1	19.4	19.6
17.6	17.8	18.0
19.3	19.2	19.1
18.2	18.1	18.3
18.3	18.6	18.6
17.6	17.5	17.6
17.1	16.9	16.8
16.9	16.8	17.0
18.3	18.3	18.3
17.7	17.5	17.6
17.9	17.9	18.0
18.1	18.1	18.2
18.8	18.7	18.8
16.8	16.7	16.6
17.8	17.9	17.9
17.9	18.1	18.1
18.7	18.9	19.2
19.2	19.2	19.2
19.9	19.6	19.6
19.7	19.6	19.3
19.5	19.5	19.6
19.4	19.5	19.4
19.3	19.6	19.5
18.4	18.2	18.6
18.5	18.8	19.0
18.0	18.1	18.1
17.9	17.8	18.0
17.6	17.8	17.8
17.9	18.1	18.0
18.2	18.3	18.5
17.8	17.8	17.8
17.6	17.5	17.6
17.8	17.9	18.0
18.0	18.0	18.0
17.8	17.8	17.9
17.6	17.6	17.7
18.5	18.5	18.6
18.0	17.9	18.1
17.1	16.9	17.1
17.0	16.9	17.0
20.3	20.2	20.2
18.3	18.3	18.4
18.3	18.3	18.6
17.0	17.0	17.1
18.0	17.7	17.6
19.1	19.1	19.3
18.3	18.4	18.4

18.6	18.7	18.7
19.1	19.0	18.9
18.1	18.0	18.1
19.1	19.2	19.3
19.4	19.3	19.3
19.2	19.5	19.3
19.2	19.3	19.5
18.9	19.0	19.2
19.5	19.7	19.7
18.5	18.7	18.9
18.9	18.7	19.2
18.7	18.8	18.9
18.2	18.4	18.3
18.4	18.6	18.6
17.7	17.3	17.5
19.4	19.6	19.9
18.8	18.8	19.0
19.1	19.2	19.2
19.2	19.2	19.1
18.7	18.8	18.9
17.5	17.4	17.2
18.9	19.4	19.6
19.2	19.1	19.2
18.3	18.7	18.8
18.2	18.3	18.4
19.9	19.6	19.8
19.2	18.8	18.6
18.5	18.5	18.6
17.6	17.7	17.5
18.2	18.1	18.3
19.1	19.2	19.2
18.5	18.2	18.7
18.1	18.0	17.8
18.7	19.2	18.9
19.4	19.5	19.6
18.4	18.4	18.5
19.4	19.3	19.2
19.1	19.1	19.2
16.9	16.9	17.0
18.1	18.1	18.1
18.5	18.6	18.7
18.2	18.1	17.7
18.0	18.0	18.2
18.5	18.7	19.1
18.1	18.2	18.7
18.7	18.8	19.0
19.4	19.3	19.5
18.7	18.8	18.7
18.3	18.3	18.6
19.0	19.1	19.1
18.2	18.2	18.1

17.8	17.9	18.0
19.1	19.1	19.0
19.9	19.9	19.9
19.5	19.9	20.0

18.0	18.0	18.0
17.7	17.6	17.8
18.2	18.3	18.3
18.4	18.4	18.4
17.1	17.2	17.5
19.3	19.5	19.4
18.0	17.8	17.8
17.7	17.6	17.7

18.9	19.0	19.1
18.4	18.5	18.7
19.3	19.5	19.7
18.5	18.5	18.8
18.7	18.5	18.5
19.8	19.9	19.6
18.6	18.7	18.9

19.2	19.2	19.2
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19.2	19.3	19.5
19.6	19.8	19.8
18.1	18.6	18.4
18.3	18.5	18.4
18.8	18.5	18.5
18.0	17.9	18.1

19.5	19.4	19.5
19.0	18.9	19.1
20.4	20.1	19.9
18.5	18.6	18.5
19.6	19.4	19.7
20.1	20.0	20.2

19.1	19.0	19.0
18.7	18.6	18.9
18.8	19.0	19.1
19.6	19.6	19.4
18.6	18.2	18.5
19.7	19.9	19.8
18.9	18.9	18.8
19.1	19.2	19.0
18.3	18.4	18.3
19.2	19.0	19.0
19.7	19.5	19.5
18.7	18.6	18.5
20.3	20.0	19.8

19.2	19.2	19.4
19.4	19.8	20.0
19.3	19.6	19.8
19.7	19.5	19.8
19.4	19.2	19.4
18.8	19.0	19.3
20.3	20.2	20.2

17.9	17.8	17.6
19.1	19.4	19.6
17.8	17.8	18.1
19.0	19.0	19.0

19.3	19.3	19.3
19.4	19.4	19.0
19.4	19.3	19.3
17.9	18.1	18.4
19.2	19.2	19.3
19.5	19.5	19.7
19.5	19.2	19.0
20.1	20.1	20.0

19.5	19.5	19.7
20.0	19.7	19.8
18.7	19.2	19.5
18.5	18.3	18.5
19.6	19.7	20.2
19.7	20.1	20.3
20.1	19.8	20.2
19.3	19.1	19.1

19.0	19.1	19.3
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20.1	20.3	20.7
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..
18.5	18.6	18.5
18.6	18.3	18.5
19.2	19.2	19.2
17.8	18.2	19.0
21.1	21.4	22.1
18.2	18.2	18.3
18.3	18.3	18.5
18.0	18.3	18.6
18.2	18.3	18.5
17.4	17.7	17.8
18.2	18.5	18.7
20.9	21.1	21.3

17.4	17.2	17.4
20.1	20.1	20.3
18.8	18.6	18.6
19.0	19.0	19.2
19.5	19.5	19.5
19.0	19.2	19.2
19.3	19.6	19.7
19.3	19.0	19.0
17.8	18.0	18.3
20.9	20.9	21.0
18.8	18.9	18.9
18.9	19.3	19.5
18.5	18.6	18.8
19.7	19.7	20.0
18.8	18.8	19.2
19.4	19.1	19.3
20.2	20.2	20.4

19.1	19.1	19.1
18.7	18.6	18.8
19.2	19.2	19.3
19.1	19.4	19.9
18.6	18.8	18.8
18.9	19.0	19.1
18.0	18.0	18.0
18.1	18.1	18.2
17.7	17.6	17.4
18.1	18.3	18.4
18.0	18.0	17.8
17.6	17.9	17.9
19.5	19.6	19.7
19.3	19.6	20.0
19.6	19.6	19.7
19.7	19.8	20.0
19.3	19.2	19.2
20.5	20.5	20.6
19.3	19.5	19.8
20.0	20.2	20.4
19.3	19.3	19.6
19.0	19.4	19.6
17.8	17.6	17.7
19.7	19.8	20.0
19.1	19.3	19.9
19.9	19.8	19.9
19.5	19.6	19.8
19.5	18.9	18.9
19.8	20.0	20.1
19.5	19.8	20.2
19.2	19.5	19.6
18.1	18.5	19.0
20.0	20.1	20.3
19.2	19.3	19.5
20.3	20.3	20.4
18.1	18.2	18.5
19.7	19.7	19.7
20.1	19.9	20.3
18.9	18.9	18.9
19.2	19.1	19.4
19.3	19.2	19.1
17.9	17.8	17.9
18.9	18.6	18.4
18.8	18.8	18.9
18.8	18.9	19.1
19.7	19.5	19.8
19.1	18.8	18.8
18.1	18.0	18.4
18.1	18.1	18.1
19.5	19.5	19.5
19.8	20.1	20.0
19.4	19.6	19.7

19.0	19.1	19.1
19.1	19.3	19.6
19.7	19.9	19.7
19.6	19.9	20.0
19.3	19.6	19.8

19.8	19.8	19.8
20.0	20.3	20.5
19.9	19.8	19.7
20.2	20.1	20.1
20.1	20.2	19.7
19.2	18.9	19.0
19.8	19.6	19.5
19.2	18.8	19.1
19.8	19.7	19.8
19.5	19.8	19.8
20.6	20.2	20.1
19.9	20.1	20.1

19.3	19.3	19.4
19.1	18.9	19.2
19.3	19.3	19.2
19.7	19.4	19.3
19.1	19.2	19.4
19.8	19.8	20.3
19.5	19.7	19.6
18.3	18.5	18.7

19.2	19.2	19.2
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19.6	19.6	19.6
18.8	18.9	18.9
18.1	18.1	18.3
19.0	18.9	19.0

..
19.2	19.3	19.3
18.4	18.5	18.7
19.3	19.1	19.3
19.7	19.8	19.8
18.4	18.5	18.6
18.7	18.6	18.4
19.5	19.4	19.5

19.3	19.4	19.4
20.0	20.3	20.2
18.1	18.0	18.2
20.2	19.9	19.6
19.1	18.9	18.7
20.0	20.1	20.3
19.0	19.3	19.3
18.7	18.8	18.8
19.1	19.6	19.5

20.0	20.0	19.9
20.3	19.7	19.7
20.7	20.8	20.7
19.9	20.0	20.0
19.8	19.7	19.9
20.0	20.1	19.9

18.7	18.7	18.9
18.9	19.0	19.0
19.3	19.5	19.2
19.9	20.0	20.1
18.4	18.9	19.1
18.4	18.2	18.1
18.6	18.7	18.7
19.0	19.0	19.2
19.4	19.3	19.4
19.2	19.2	19.3
19.4	19.3	19.3
19.7	19.7	19.7
19.0	18.9	18.9
19.4	19.4	20.0
18.1	18.1	18.2
18.6	18.4	18.6
18.9	18.7	18.6
18.7	18.9	19.2
17.7	17.7	17.7
18.4	18.4	18.5
18.1	18.0	17.9
19.5	19.4	19.3
19.6	19.2	19.2
18.9	18.7	18.8
18.2	18.4	18.3
17.9	18.0	18.2
17.4	17.3	17.3
17.4	17.5	17.4
18.4	18.3	18.3
17.7	18.0	18.1
17.0	16.9	17.3
17.8	17.8	17.8
17.5	17.5	17.5
16.7	16.9	16.9
17.9	18.3	18.1
19.4	19.7	19.8
17.6	17.5	17.7
17.4	17.3	17.4
17.1	16.9	16.9
18.3	18.2	18.3
18.2	18.1	17.9
18.0	17.7	17.5
18.0	17.9	18.0
17.3	17.2	17.5
17.8	17.8	17.9
16.9	17.0	16.9
17.1	17.1	17.0
19.0	19.3	19.4
17.9	17.7	18.0
18.7	18.5	18.7
17.2	17.3	17.3
17.6	17.7	17.8
15.2	15.2	15.2

18.4	18.2	18.3
16.5	16.5	16.6
17.6	17.5	17.5
18.0	17.9	17.8
17.2	17.6	17.2
17.0	16.8	17.1
16.3	16.2	16.2
18.7	18.7	19.7
18.7	19.0	19.2
16.7	16.7	16.6
18.3	18.1	18.2
18.9	18.0	17.6
17.9	17.7	18.0
16.9	17.1	17.2
17.7	17.8	17.8
15.9	16.0	16.2
17.3	17.5	17.6

18.1	18.2	18.3
18.2	18.1	18.3
18.7	18.8	19.0
17.0	17.0	17.1
18.3	18.6	18.8
17.7	17.8	17.9
18.2	18.5	18.8
18.5	18.8	19.0
18.3	18.2	18.2
18.4	18.5	18.6
18.1	18.1	18.3
18.6	18.5	18.7

Life Expectancy at age 65 for females, United Kingdom, 2001-2003 to 2014-2016

Area Codes	Area Names	2001-2003	2002-2004
K02000001	UNITED KINGDOM	19.1	19.2
E92000001	ENGLAND	19.2	19.4
E12000001	NORTH EAST	18.2	18.4
E06000047	County Durham	18.3	18.4
E06000005	Darlington	18.3	18.5
E06000001	Hartlepool	17.7	17.7
E06000002	Middlesbrough	17.8	17.9
E06000057	Northumberland	18.8	18.9
E06000003	Redcar and Cleveland	18.5	18.9
E06000004	Stockton-on-Tees	18.4	18.6
E11000007	Tyne and Wear (Met County)	18.1	18.2
E08000037	Gateshead	18.0	18.2
E08000021	Newcastle upon Tyne	18.2	18.3
E08000022	North Tyneside	18.2	18.5
E08000023	South Tyneside	18.4	18.1
E08000024	Sunderland	17.7	17.8
E12000002	NORTH WEST	18.4	18.5
E06000008	Blackburn with Darwen	17.6	17.6
E06000009	Blackpool	18.0	18.1
E06000049	Cheshire East	19.3	19.5
E06000050	Cheshire West and Chester	19.4	19.4
E06000006	Halton	17.5	17.5
E06000007	Warrington	18.4	18.7
E10000006	Cumbria	19.1	19.3
E07000026	Allerdale	18.5	18.8
E07000027	Barrow-in-Furness	19.0	19.0
E07000028	Carlisle	18.6	19.0
E07000029	Copeland	18.4	18.5
E07000030	Eden	19.7	19.8
E07000031	South Lakeland	20.1	20.2
E11000001	Greater Manchester (Met County)	18.1	18.2
E08000001	Bolton	18.2	18.1
E08000002	Bury	18.4	18.5
E08000003	Manchester	17.7	17.7
E08000004	Oldham	17.9	18.0
E08000005	Rochdale	17.9	18.1
E08000006	Salford	17.5	17.5
E08000007	Stockport	19.4	19.7
E08000008	Tameside	18.0	18.2
E08000009	Trafford	19.2	19.3
E08000010	Wigan	17.4	17.6
E10000017	Lancashire	18.7	18.8
E07000117	Burnley	17.8	17.8
E07000118	Chorley	18.5	18.7
E07000119	Fylde	19.2	19.3
E07000120	Hyndburn	17.9	18.1

E07000121	Lancaster	19.4	19.3
E07000122	Pendle	18.8	19.0
E07000123	Preston	18.1	18.3
E07000124	Ribble Valley	19.3	19.6
E07000125	Rossendale	18.1	18.1
E07000126	South Ribble	19.1	19.4
E07000127	West Lancashire	18.2	18.3
E07000128	Wyre	19.5	19.5
E11000002	Merseyside (Met County)	18.1	18.2
E08000011	Knowsley	17.4	17.5
E08000012	Liverpool	17.2	17.3
E08000014	Sefton	18.7	19.0
E08000013	St. Helens	17.9	18.2
E08000015	Wirral	18.9	19.1
E12000003	YORKSHIRE AND THE HUMBER	18.9	19.0
E06000011	East Riding of Yorkshire	19.6	19.6
E06000010	Kingston upon Hull, City of	18.1	18.0
E06000012	North East Lincolnshire	19.2	19.1
E06000013	North Lincolnshire	19.2	19.4
E06000014	York	19.7	19.9
E10000023	North Yorkshire	19.9	19.9
E07000163	Craven	20.3	20.6
E07000164	Hambleton	19.8	20.0
E07000165	Harrogate	20.1	20.1
E07000166	Richmondshire	19.9	20.2
E07000167	Ryedale	20.3	20.0
E07000168	Scarborough	19.5	19.4
E07000169	Selby	19.2	19.7
E11000003	South Yorkshire (Met County)	18.5	18.6
E08000016	Barnsley	18.1	18.1
E08000017	Doncaster	18.5	18.6
E08000018	Rotherham	18.2	18.3
E08000019	Sheffield	18.9	19.1
E11000006	West Yorkshire (Met County)	18.8	18.9
E08000032	Bradford	18.6	18.7
E08000033	Calderdale	18.8	19.1
E08000034	Kirklees	18.5	18.7
E08000035	Leeds	19.3	19.4
E08000036	Wakefield	18.4	18.6
E12000004	EAST MIDLANDS	19.1	19.2
E06000015	Derby	19.0	19.2
E06000016	Leicester	18.4	18.4
E06000018	Nottingham	18.4	18.6
E06000017	Rutland	20.9	20.8
E10000007	Derbyshire	18.8	18.9
E07000032	Amber Valley	18.9	19.0
E07000033	Bolsover	18.3	18.3
E07000034	Chesterfield	18.4	18.7
E07000035	Derbyshire Dales	19.6	19.9
E07000036	Erewash	18.9	19.1

E07000037	High Peak	19.1	19.0
E07000038	North East Derbyshire	18.5	18.7
E07000039	South Derbyshire	18.7	18.9
E10000018	Leicestershire	19.6	19.8
E07000129	Blaby	20.4	20.6
E07000130	Charnwood	19.4	19.7
E07000131	Harborough	19.6	19.8
E07000132	Hinckley and Bosworth	19.7	19.7
E07000133	Melton	20.3	20.6
E07000134	North West Leicestershire	18.8	19.0
E07000135	Oadby and Wigston	19.8	19.8
E10000019	Lincolnshire	19.4	19.5
E07000136	Boston	19.3	19.6
E07000137	East Lindsey	19.5	19.5
E07000138	Lincoln	19.3	19.2
E07000139	North Kesteven	19.0	19.2
E07000140	South Holland	19.3	19.4
E07000141	South Kesteven	20.1	20.2
E07000142	West Lindsey	19.2	19.4
E10000021	Northamptonshire	19.3	19.3
E07000150	Corby	18.0	18.0
E07000151	Daventry	19.6	19.6
E07000152	East Northamptonshire	19.3	19.2
E07000153	Kettering	19.3	19.1
E07000154	Northampton	19.4	19.3
E07000155	South Northamptonshire	19.8	20.0
E07000156	Wellingborough	19.6	19.7
E10000024	Nottinghamshire	18.9	19.2
E07000170	Ashfield	18.2	18.3
E07000171	Bassetlaw	18.6	18.6
E07000172	Broxtowe	19.3	19.7
E07000173	Gedling	19.0	19.2
E07000174	Mansfield	18.6	19.0
E07000175	Newark and Sherwood	18.9	19.4
E07000176	Rushcliffe	19.8	20.1
E12000005	WEST MIDLANDS	19.0	19.2
E06000019	Herefordshire, County of	20.2	20.3
E06000051	Shropshire	19.5	19.6
E06000021	Stoke-on-Trent	18.0	18.1
E06000020	Telford and Wrekin	18.7	18.7
E10000028	Staffordshire	19.0	19.1
E07000192	Cannock Chase	18.8	19.1
E07000193	East Staffordshire	18.8	19.0
E07000194	Lichfield	18.5	18.5
E07000195	Newcastle-under-Lyme	19.2	19.4
E07000196	South Staffordshire	18.9	19.0
E07000197	Stafford	19.9	19.9
E07000198	Staffordshire Moorlands	19.1	19.1
E07000199	Tamworth	18.4	18.7
E10000031	Warwickshire	19.2	19.3
E07000218	North Warwickshire	18.7	18.6

E07000219	Nuneaton and Bedworth	18.2	18.3
E07000220	Rugby	19.0	19.1
E07000221	Stratford-on-Avon	19.7	20.1
E07000222	Warwick	19.9	20.1
E11000005	West Midlands (Met County)	18.9	19.0
E08000025	Birmingham	18.8	19.0
E08000026	Coventry	19.2	19.3
E08000027	Dudley	18.9	18.9
E08000028	Sandwell	17.9	18.1
E08000029	Solihull	19.9	20.1
E08000030	Walsall	18.9	19.1
E08000031	Wolverhampton	19.1	19.1
E10000034	Worcestershire	19.5	19.7
E07000234	Bromsgrove	18.9	19.1
E07000235	Malvern Hills	19.7	19.7
E07000236	Redditch	19.3	19.5
E07000237	Worcester	19.5	19.4
E07000238	Wychavon	20.2	20.5
E07000239	Wyre Forest	19.4	19.7
E12000006	EAST	19.6	19.8
E06000055	Bedford	19.7	19.8
E06000056	Central Bedfordshire	19.2	19.3
E06000032	Luton	18.3	18.6
E06000031	Peterborough	18.7	19.2
E06000033	Southend-on-Sea	19.1	19.3
E06000034	Thurrock	18.7	18.8
E10000003	Cambridgeshire	20.0	20.1
E07000008	Cambridge	20.1	20.0
E07000009	East Cambridgeshire	20.6	20.4
E07000010	Fenland	19.1	19.4
E07000011	Huntingdonshire	19.6	19.8
E07000012	South Cambridgeshire	20.7	21.1
E10000012	Essex	19.6	19.8
E07000066	Basildon	19.3	19.1
E07000067	Braintree	18.7	19.4
E07000068	Brentwood	19.6	20.2
E07000069	Castle Point	18.8	18.9
E07000070	Chelmsford	20.6	20.6
E07000071	Colchester	20.0	20.1
E07000072	Epping Forest	19.6	19.4
E07000073	Harlow	19.8	20.6
E07000074	Maldon	19.2	19.5
E07000075	Rochford	20.0	20.3
E07000076	Tendring	19.6	20.0
E07000077	Uttlesford	20.0	20.1
E10000015	Hertfordshire	19.5	19.7
E07000095	Broxbourne	19.8	19.7
E07000096	Dacorum	19.9	20.0
E07000242	East Hertfordshire	20.0	19.9
E07000098	Hertsmere	19.0	19.2
E07000099	North Hertfordshire	19.0	19.4
E07000240	St Albans	20.1	19.8

E07000243	Stevenage	18.8	19.3
E07000102	Three Rivers	19.8	20.1
E07000103	Watford	18.6	18.9
E07000241	Welwyn Hatfield	20.1	20.2
E10000020	Norfolk	20.1	20.1
E07000143	Breckland	19.6	19.5
E07000144	Broadland	19.8	20.1
E07000145	Great Yarmouth	19.7	19.9
E07000146	King's Lynn and West Norfolk	19.9	19.9
E07000147	North Norfolk	20.3	20.4
E07000148	Norwich	20.9	20.7
E07000149	South Norfolk	20.7	20.7
E10000029	Suffolk	19.9	20.0
E07000200	Babergh	20.2	20.3
E07000201	Forest Heath	19.3	19.4
E07000202	Ipswich	19.5	19.6
E07000203	Mid Suffolk	19.7	19.9
E07000204	St Edmundsbury	19.7	20.0
E07000205	Suffolk Coastal	20.5	20.6
E07000206	Waveney	19.9	20.1
E12000007	LONDON	19.4	19.6
E13000001	Inner London		
E09000007	Camden	19.8	19.7
E09000001	City of London
E09000012	Hackney	19.7	19.8
E09000013	Hammersmith and Fulham	20.5	20.7
E09000014	Haringey	19.0	19.3
E09000019	Islington	18.7	18.7
E09000020	Kensington and Chelsea	22.2	22.6
E09000022	Lambeth	18.9	18.8
E09000023	Lewisham	18.2	18.4
E09000025	Newham	18.4	18.4
E09000028	Southwark	19.2	19.3
E09000030	Tower Hamlets	18.0	18.3
E09000032	Wandsworth	19.0	19.1
E09000033	Westminster	20.9	21.1
E13000002	Outer London		
E09000002	Barking and Dagenham	18.3	18.2
E09000003	Barnet	20.1	20.4
E09000004	Bexley	19.2	19.4
E09000005	Brent	20.3	20.6
E09000006	Bromley	20.1	20.3
E09000008	Croydon	19.1	19.2
E09000009	Ealing	19.7	19.9
E09000010	Enfield	19.5	19.6
E09000011	Greenwich	18.9	18.9
E09000015	Harrow	20.9	20.9
E09000016	Havering	19.0	19.2
E09000017	Hillingdon	19.5	19.6
E09000018	Hounslow	18.7	18.7
E09000021	Kingston upon Thames	19.3	19.5
E09000024	Merton	20.1	20.3
E09000026	Redbridge	19.5	19.6
E09000027	Richmond upon Thames	19.9	20.2

E09000029	Sutton	19.0	19.3
E09000031	Waltham Forest	18.6	19.0
E12000008	SOUTH EAST	19.8	20.0
E06000036	Bracknell Forest	19.0	19.4
E06000043	Brighton and Hove	19.7	19.9
E06000046	Isle of Wight	19.8	20.2
E06000035	Medway	18.6	18.9
E06000042	Milton Keynes	18.7	18.7
E06000044	Portsmouth	18.9	19.1
E06000038	Reading	19.8	19.8
E06000039	Slough	19.1	19.1
E06000045	Southampton	19.6	19.5
E06000037	West Berkshire	19.9	20.1
E06000040	Windsor and Maidenhead	19.5	19.7
E06000041	Wokingham	20.0	20.1
E10000002	Buckinghamshire	20.0	20.1
E07000004	Aylesbury Vale	19.4	19.5
E07000005	Chiltern	20.9	20.8
E07000006	South Bucks	19.7	19.9
E07000007	Wycombe	20.3	20.4
E10000011	East Sussex	20.2	20.3
E07000061	Eastbourne	20.5	20.4
E07000062	Hastings	18.6	18.9
E07000063	Lewes	20.9	21.0
E07000064	Rother	19.9	20.2
E07000065	Wealden	20.8	20.8
E10000014	Hampshire	20.0	20.1
E07000084	Basingstoke and Deane	19.5	19.7
E07000085	East Hampshire	19.6	19.9
E07000086	Eastleigh	19.6	19.5
E07000087	Fareham	20.0	20.3
E07000088	Gosport	19.5	19.6
E07000089	Hart	20.9	20.7
E07000090	Havant	19.7	20.0
E07000091	New Forest	21.1	21.2
E07000092	Rushmoor	18.4	18.6
E07000093	Test Valley	20.0	19.8
E07000094	Winchester	20.0	19.9
E10000016	Kent	19.5	19.6
E07000105	Ashford	19.8	19.6
E07000106	Canterbury	19.6	19.7
E07000107	Dartford	18.6	18.5
E07000108	Dover	19.6	19.9
E07000109	Gravesham	19.2	19.1
E07000110	Maidstone	19.4	19.5
E07000111	Sevenoaks	20.5	20.7
E07000112	Shepway	19.3	19.7
E07000113	Swale	18.7	19.2
E07000114	Thanet	19.2	19.3
E07000115	Tonbridge and Malling	20.3	20.6
E07000116	Tunbridge Wells	19.7	19.7
E10000025	Oxfordshire	20.1	20.3

E07000177	Cherwell	19.6	20.1
E07000178	Oxford	20.1	20.1
E07000179	South Oxfordshire	20.3	20.4
E07000180	Vale of White Horse	20.5	20.7
E07000181	West Oxfordshire	19.9	20.0
E10000030	Surrey	20.3	20.5
E07000207	Elmbridge	20.4	20.7
E07000208	Epsom and Ewell	21.4	21.6
E07000209	Guildford	21.3	21.5
E07000210	Mole Valley	20.7	20.8
E07000211	Reigate and Banstead	19.5	19.6
E07000212	Runnymede	20.2	20.5
E07000213	Spelthorne	20.1	20.2
E07000214	Surrey Heath	19.7	19.6
E07000215	Tandridge	19.9	20.4
E07000216	Waverley	20.5	20.6
E07000217	Woking	20.3	20.5
E10000032	West Sussex	20.0	20.2
E07000223	Adur	20.2	20.3
E07000224	Arun	20.1	20.4
E07000225	Chichester	20.3	20.4
E07000226	Crawley	19.6	20.1
E07000227	Horsham	20.3	20.4
E07000228	Mid Sussex	19.6	19.9
E07000229	Worthing	19.7	19.9
E12000009	SOUTH WEST	20.0	20.1
E06000022	Bath and North East Somerset	20.6	20.4
E06000028	Bournemouth	19.9	20.0
E06000023	Bristol, City of	19.1	19.2
E06000052	Cornwall	19.8	20.0
E06000053	Isles of Scilly
E06000024	North Somerset	19.9	20.2
E06000026	Plymouth	19.2	19.2
E06000029	Poole	20.3	20.3
E06000025	South Gloucestershire	20.0	20.2
E06000030	Swindon	18.8	18.9
E06000027	Torbay	19.7	20.0
E06000054	Wiltshire	19.9	20.1
E10000008	Devon	20.3	20.5
E07000040	East Devon	20.6	20.6
E07000041	Exeter	20.0	20.2
E07000042	Mid Devon	20.4	20.7
E07000043	North Devon	20.2	20.4
E07000044	South Hams	20.4	20.3
E07000045	Teignbridge	20.5	20.6
E07000046	Torridge	19.8	20.2
E07000047	West Devon	20.3	21.0
E10000009	Dorset	20.6	20.8
E07000048	Christchurch	21.0	21.4
E07000049	East Dorset	21.3	21.6
E07000050	North Dorset	20.6	20.7
E07000051	Purbeck	20.9	20.9
E07000052	West Dorset	20.3	20.5

E07000053	Weymouth and Portland	19.6	19.7
E10000013	Gloucestershire	19.8	19.9
E07000078	Cheltenham	20.1	20.3
E07000079	Cotswold	20.5	20.5
E07000080	Forest of Dean	19.4	19.6
E07000081	Gloucester	19.5	19.4
E07000082	Stroud	19.5	19.7
E07000083	Tewkesbury	19.9	20.1
E10000027	Somerset	20.2	20.3
E07000187	Mendip	19.8	19.9
E07000188	Sedgemoor	20.2	20.4
E07000189	South Somerset	20.3	20.2
E07000190	Taunton Deane	20.4	20.3
E07000191	West Somerset	20.5	21.1
W92000004	WALES	18.8	18.9
W06000001	Isle of Anglesey / Ynys Môn	19.3	19.6
W06000002	Gwynedd / Gwynedd	19.5	19.6
W06000003	Conwy / Conwy	19.4	19.7
W06000004	Denbighshire / Sir Ddinbych	19.3	19.5
W06000005	Flintshire / Sir y Fflint	19.1	19.3
W06000006	Wrexham / Wrecsam	18.3	18.7
W06000023	Powys / Powys	19.5	19.7
W06000008	Ceredigion / Ceredigion	20.2	20.3
W06000009	Pembrokeshire / Sir Benfro	19.2	19.5
W06000010	Carmarthenshire / Sir Gaerfyrddin	18.5	18.6
W06000011	Swansea / Abertawe	18.8	19.1
W06000012	Neath Port Talbot / Castell-nedd Port Talbot	18.6	18.7
W06000013	Bridgend / Pen-y-bont ar Ogwr	18.0	17.9
W06000014	Vale of Glamorgan / Bro Morgannwg	19.0	19.2
W06000015	Cardiff / Caerdydd	18.7	18.9
W06000016	Rhondda Cynon Taf / Rhondda Cynon Taf	18.0	18.1
W06000024	Merthyr Tydfil / Merthyr Tudful	17.3	17.0
W06000018	Caerphilly / Caerffili	18.0	18.0
W06000019	Blaenau Gwent / Blaenau Gwent	17.4	17.6
W06000020	Torfaen / Tor-faen	18.7	18.9
W06000021	Monmouthshire / Sir Fynwy	19.6	19.8
W06000022	Newport / Casnewydd	19.2	19.4
S92000003	SCOTLAND	18.1	18.1
S12000033	Aberdeen City	18.7	18.8
S12000034	Aberdeenshire	19.2	19.1
S12000041	Angus	18.4	18.4
S12000035	Argyll and Bute	18.7	18.7
S12000036	City of Edinburgh	19.1	19.1
S12000005	Clackmannanshire	17.8	18.0
S12000006	Dumfries and Galloway	18.7	18.6
S12000042	Dundee City	18.1	18.1
S12000008	East Ayrshire	17.1	17.2
S12000045	East Dunbartonshire	19.0	19.1
S12000010	East Lothian	18.3	18.5
S12000011	East Renfrewshire	19.6	19.5
S12000014	Falkirk	17.6	17.5
S12000015	Fife	18.1	18.3
S12000046	Glasgow City	17.0	17.0

S12000017	Highland	18.7	18.9
S12000018	Inverclyde	17.6	17.7
S12000019	Midlothian	17.6	17.8
S12000020	Moray	18.8	18.7
S12000013	Na h-Eileanan Siar	19.6	19.4
S12000021	North Ayrshire	18.0	18.1
S12000044	North Lanarkshire	17.1	17.0
S12000023	Orkney Islands	18.9	19.0
S12000024	Perth and Kinross	18.9	19.0
S12000038	Renfrewshire	17.5	17.5
S12000026	Scottish Borders	18.6	18.6
S12000027	Shetland Islands	19.3	19.1
S12000028	South Ayrshire	18.3	18.4
S12000029	South Lanarkshire	17.6	17.8
S12000030	Stirling	18.3	18.6
S12000039	West Dunbartonshire	17.2	17.6
S12000040	West Lothian	16.7	17.0
N92000002	NORTHERN IRELAND	18.9	19.1
N09000001	Antrim and Newtownabbey	18.9	18.8
N09000002	Armagh, Banbridge and Craigavon	19.0	19.1
N09000003	Belfast	18.8	19.0
N09000004	Causeway Coast and Glens	19.6	19.6
N09000005	Derry and Strabane	17.8	18.0
N09000006	Fermanagh and Omagh	18.9	19.4
N09000007	Lisburn and Castlereagh	18.9	19.0
N09000008	Mid and East Antrim	19.0	19.3
N09000009	Mid Ulster	19.0	19.2
N09000010	Newry, Mourne and Down	18.6	18.8
N09000011	North Down and Ards	19.7	19.7

Footnotes

Figures exclude deaths of non-residents

Figures are not available for City of London and Isles of Scilly due to small numbers of deaths and popu

2003-2005 2004-2006 2005-2007 2006-2008 2007-2009 2008-2010 2009-2011 2010-2012 2011-2013

19.4	19.7	19.9	20.0	20.2	20.4	20.7	20.8	20.8
19.6	19.9	20.0	20.2	20.3	20.5	20.9	20.9	21.0
18.5	18.7	18.9	19.1	19.2	19.5	19.8	19.9	19.9
18.4	18.6	18.7	18.9	19.1	19.4	19.6	19.8	19.6
18.7	18.9	19.2	19.2	19.4	19.7	20.4	20.5	20.5
17.8	17.8	18.0	18.6	18.9	19.4	19.5	19.8	19.9
18.2	18.5	18.5	18.3	18.3	18.6	19.0	18.9	19.0
18.9	19.2	19.4	19.7	19.8	20.1	20.3	20.4	20.4
19.1	19.1	19.2	19.4	19.8	20.1	20.2	20.2	20.2
18.6	18.6	18.8	19.0	19.2	19.7	20.1	20.5	20.4
18.4	18.6	18.9	19.0	19.2	19.3	19.7	19.7	19.8
18.1	18.5	18.9	19.3	19.5	19.5	19.6	19.4	19.5
18.5	18.7	18.8	19.0	19.2	19.3	19.7	19.8	20.1
18.9	19.2	19.4	19.3	19.5	19.7	20.1	20.3	20.5
18.2	18.5	18.9	18.9	19.0	19.4	19.8	19.7	19.8
18.0	18.3	18.5	18.6	18.8	18.9	19.3	19.2	19.2
18.7	19.1	19.2	19.2	19.4	19.6	19.9	20.1	20.1
17.9	18.3	18.3	18.4	18.4	18.7	18.9	19.3	19.5
18.3	18.6	18.6	18.6	19.1	19.3	19.5	19.3	19.4
19.8	20.1	20.3	20.4	20.6	20.7	21.0	21.0	21.3
19.6	19.9	19.9	19.9	20.1	20.3	20.7	20.7	20.9
17.7	18.0	18.1	18.0	18.4	18.8	19.4	19.2	18.8
19.0	19.3	19.2	19.0	19.4	19.7	20.2	20.2	20.0
19.6	19.9	20.0	20.0	20.1	20.3	20.4	20.6	20.7
19.1	19.4	19.4	19.5	19.6	20.0	20.0	20.3	20.2
19.4	19.4	19.6	19.3	19.4	19.4	19.7	20.1	20.2
19.3	19.8	20.0	20.0	19.9	20.0	20.2	20.2	20.4
18.8	19.1	19.1	19.0	19.2	19.6	19.8	19.9	19.7
20.3	20.8	20.8	21.0	21.1	21.2	21.5	21.6	22.2
20.6	20.6	20.8	20.9	21.0	21.2	21.3	21.4	21.6
18.4	18.7	18.9	18.9	19.0	19.3	19.6	19.8	19.8
18.1	18.5	18.7	19.1	19.2	19.6	19.8	20.0	20.0
18.8	19.0	19.2	19.0	19.0	19.1	19.5	19.6	19.8
18.1	18.2	18.3	18.0	18.2	18.2	18.6	18.7	18.9
18.2	18.5	18.2	18.4	18.6	19.2	19.5	19.7	19.8
18.1	18.5	18.8	19.0	19.2	19.2	19.6	19.7	19.8
17.8	18.1	18.4	18.2	18.3	18.5	19.0	19.2	19.1
19.8	20.2	20.4	20.5	20.6	20.7	21.1	21.2	21.0
18.2	18.3	18.3	18.3	18.3	18.7	19.0	19.1	18.9
19.4	19.7	20.1	20.3	20.6	20.9	21.1	21.4	21.2
17.9	18.3	18.5	18.5	18.7	19.0	19.2	19.2	19.5
19.0	19.3	19.4	19.5	19.7	19.9	20.2	20.3	20.3
17.9	17.8	18.0	18.0	18.5	19.2	19.5	19.3	18.9
18.7	19.2	19.6	19.6	19.5	19.7	20.1	20.1	20.2
19.5	19.9	20.0	20.2	20.3	20.5	20.9	21.0	20.8
18.4	18.5	18.8	18.5	19.0	18.8	19.1	19.2	19.4

19.6	19.8	19.8	19.7	19.8	20.2	20.6	20.7	20.4
19.2	19.7	19.8	20.2	20.2	20.3	20.2	20.5	20.4
18.3	18.7	19.0	18.9	19.0	19.0	19.8	19.9	20.0
19.9	20.4	20.3	21.0	20.8	21.0	20.8	21.2	21.6
18.1	18.3	18.6	18.7	19.0	19.1	19.6	19.8	19.6
19.8	20.0	19.8	19.7	20.0	20.5	20.7	20.9	20.7
18.7	18.9	19.0	19.2	19.4	19.7	20.0	20.4	20.5
19.4	19.5	19.6	20.1	20.2	20.4	20.5	20.5	20.6
18.4	18.8	19.0	19.1	19.1	19.3	19.7	19.9	20.0
17.6	18.1	18.0	18.1	18.3	18.7	19.1	19.1	19.2
17.6	17.8	18.2	18.2	18.5	18.6	18.9	19.0	19.1
19.1	19.6	19.6	19.8	19.9	20.3	20.8	21.0	21.0
18.2	18.9	18.9	19.0	18.9	19.1	19.5	19.9	20.1
19.3	19.6	19.7	19.7	19.6	19.7	20.1	20.2	20.3
19.2	19.5	19.6	19.7	19.8	20.1	20.3	20.4	20.4
19.7	20.0	20.1	20.3	20.4	20.7	20.8	20.7	20.8
18.1	18.3	18.3	18.5	18.8	19.1	19.3	19.3	19.3
19.4	19.6	19.6	19.3	19.5	19.7	20.3	20.2	20.3
19.5	19.6	19.6	19.6	19.6	20.2	20.3	20.8	20.6
20.4	20.6	20.8	20.6	20.8	20.7	21.1	21.2	21.5
20.3	20.5	20.7	20.6	20.9	21.1	21.3	21.4	21.5
20.6	20.9	20.9	20.8	21.0	21.4	21.6	21.8	21.8
20.8	20.9	21.2	21.1	21.3	21.7	22.0	22.4	22.0
20.3	20.7	20.7	20.6	20.9	21.2	21.6	21.7	22.1
19.8	20.0	20.1	20.6	21.1	21.1	21.1	20.9	21.0
20.6	21.1	21.4	21.2	21.5	21.4	21.4	21.1	21.0
19.7	20.0	20.4	20.4	20.7	20.6	20.6	20.7	20.7
20.3	20.5	20.2	20.2	20.4	20.8	21.2	21.0	21.2
18.8	19.1	19.2	19.5	19.6	19.8	20.1	20.2	20.2
18.1	18.3	18.5	18.8	19.0	19.2	19.4	19.8	19.8
18.7	18.9	19.2	19.4	19.6	19.9	20.2	20.2	20.1
18.5	19.0	19.2	19.4	19.4	19.6	20.0	20.1	20.1
19.2	19.5	19.6	19.8	19.9	20.1	20.4	20.4	20.4
19.1	19.4	19.4	19.5	19.6	19.8	20.1	20.1	20.2
18.9	18.9	18.9	19.0	19.3	19.6	19.9	20.0	20.0
19.2	19.7	19.7	19.9	19.8	20.1	20.4	20.6	20.7
18.8	19.2	19.1	19.3	19.5	19.9	20.3	20.2	20.5
19.6	19.9	20.0	20.0	19.9	20.1	20.2	20.2	20.1
18.7	19.0	19.1	19.2	19.4	19.5	19.8	19.8	20.0
19.4	19.7	19.9	20.0	20.2	20.4	20.7	20.8	20.9
19.6	19.9	20.0	19.9	20.1	20.3	20.8	21.0	20.8
18.3	18.5	18.9	19.0	19.3	19.5	19.9	20.1	20.1
18.8	19.2	19.4	19.4	19.4	19.7	20.1	20.2	20.3
21.4	21.9	22.5	21.9	21.8	21.6	21.9	22.0	22.6
19.1	19.4	19.7	19.9	20.1	20.3	20.6	20.8	20.8
19.5	19.9	20.3	20.1	20.1	20.0	20.4	20.9	21.1
18.1	18.3	18.6	18.7	19.0	19.0	19.6	19.5	19.6
18.8	19.0	19.3	19.7	20.2	20.3	20.3	20.3	20.3
19.9	20.2	20.3	20.8	21.2	21.5	21.5	21.6	21.8
19.6	19.6	19.7	20.0	20.3	20.9	21.1	21.5	21.3

19.2	19.4	19.9	20.2	20.4	20.6	20.7	20.8	20.6
18.9	19.3	19.4	19.5	19.9	20.2	20.9	20.8	20.9
18.9	19.6	19.9	19.9	19.9	20.1	20.5	20.8	20.6
19.8	20.0	20.4	20.7	21.1	21.2	21.6	21.5	21.6
20.6	20.9	21.0	21.2	21.6	21.6	21.9	21.9	21.9
19.7	20.0	20.7	20.9	21.2	21.1	21.5	21.3	21.3
20.0	20.3	20.9	21.5	21.8	22.1	22.3	22.1	22.1
19.4	19.5	19.8	20.3	20.9	21.2	21.8	21.7	21.8
20.2	20.5	20.7	20.5	20.9	21.1	22.0	21.8	21.6
19.0	19.3	19.5	20.1	20.5	20.3	20.6	20.7	21.2
20.0	20.3	20.3	20.6	20.9	21.1	21.2	21.4	21.6
19.7	19.9	20.0	20.1	20.3	20.6	20.9	20.9	20.9
19.6	19.7	19.6	20.0	19.8	20.2	20.3	20.7	20.5
19.6	19.7	19.9	20.0	20.1	20.3	20.4	20.5	20.4
19.3	19.3	19.2	19.1	19.5	20.0	20.6	20.4	20.1
19.4	20.1	20.6	20.7	20.7	20.8	21.1	21.2	21.5
19.9	20.3	20.6	20.4	20.4	20.7	21.4	21.3	21.3
20.3	20.1	20.0	20.0	20.5	20.9	21.2	21.3	21.3
19.4	19.7	19.9	20.4	20.6	20.9	21.0	21.0	20.9
19.5	19.7	19.9	20.0	20.3	20.4	20.6	20.6	20.8
18.2	18.3	18.9	19.0	19.3	18.4	18.4	18.5	19.1
19.9	19.8	20.0	20.0	20.6	21.0	21.2	21.0	20.8
19.3	19.2	19.4	19.5	19.8	20.1	20.7	20.8	21.3
19.2	19.7	19.9	20.3	20.3	20.4	20.8	20.9	20.9
19.5	19.7	19.9	20.0	20.1	20.3	20.3	20.2	20.3
20.4	20.6	20.9	20.8	21.4	21.5	21.8	21.9	21.9
20.0	20.0	20.3	20.5	20.6	20.8	20.8	21.4	21.5
19.3	19.6	19.7	19.9	19.9	20.2	20.5	20.6	20.7
18.6	19.1	19.1	19.2	19.2	19.4	19.8	19.8	20.1
18.5	18.7	19.1	19.1	19.3	19.5	20.1	20.2	20.4
19.7	20.0	19.9	20.2	20.3	20.6	20.7	20.8	20.8
19.7	20.2	20.2	20.2	20.2	20.7	21.0	20.8	20.9
19.1	19.4	19.3	19.5	19.5	19.7	19.9	20.2	20.0
19.5	19.6	19.6	19.9	20.1	20.3	20.4	20.6	20.9
20.1	20.4	20.9	21.1	21.0	21.1	21.5	21.8	22.0
19.3	19.6	19.8	19.9	20.2	20.4	20.8	20.9	20.9
20.2	20.6	20.7	20.9	20.8	21.2	21.5	21.8	21.8
20.0	20.5	20.6	20.7	20.7	21.0	21.2	21.4	21.4
18.5	18.8	18.9	18.6	18.7	18.9	19.4	19.6	19.7
19.2	19.4	19.8	19.9	20.0	20.1	20.2	20.2	20.1
19.3	19.5	19.6	19.6	19.9	20.3	20.8	20.9	21.0
18.9	19.1	18.9	18.8	19.0	19.5	20.5	20.7	20.9
19.1	19.4	19.6	19.9	20.4	20.6	20.6	20.8	20.7
18.7	19.2	19.5	19.5	19.9	20.0	20.6	20.7	21.0
19.6	19.7	19.5	19.7	19.8	20.1	20.4	20.3	20.5
19.1	19.4	19.6	19.7	20.0	20.5	21.1	21.1	21.2
19.9	20.0	20.0	20.2	20.4	20.8	21.1	21.4	21.4
19.4	19.4	19.8	19.8	20.0	20.3	20.8	21.1	21.0
18.9	19.3	19.3	19.4	19.8	20.4	21.0	20.9	20.8
19.5	19.7	19.9	20.2	20.7	21.0	21.3	21.5	21.6
18.6	18.6	19.1	19.2	19.8	19.9	20.1	20.2	20.2

18.5	18.5	18.8	19.3	20.0	20.0	20.2	20.3	20.4
19.2	19.6	20.0	20.3	20.8	21.1	21.4	21.4	21.5
20.2	20.4	20.2	20.6	21.0	21.6	22.1	22.3	22.5
20.4	20.6	20.9	21.1	21.3	21.7	22.2	22.3	22.3
19.2	19.5	19.6	19.8	20.1	20.3	20.6	20.7	20.7
19.1	19.4	19.6	19.7	20.0	20.2	20.5	20.5	20.5
19.4	19.6	19.7	19.9	20.1	20.3	20.5	20.7	20.7
19.2	19.6	19.8	19.9	20.2	20.4	20.7	20.9	21.0
18.4	18.6	18.7	18.8	19.2	19.6	20.0	20.1	20.1
20.5	21.0	21.3	21.4	21.6	21.6	22.1	22.1	22.2
19.4	19.5	19.7	19.6	20.0	20.2	20.6	20.7	20.9
18.9	19.1	19.3	19.6	19.8	19.8	20.1	20.2	20.3
19.7	20.1	20.3	20.6	20.7	20.9	21.1	21.2	21.2
19.4	19.7	20.0	20.0	20.2	20.4	20.6	20.9	20.8
19.9	20.2	20.6	20.9	20.9	20.7	20.9	21.0	21.2
19.6	20.0	19.9	20.0	20.5	20.7	20.9	20.6	20.8
19.5	19.6	20.0	20.1	20.5	20.9	21.4	21.2	21.2
20.3	20.8	21.1	21.3	21.5	21.6	22.1	22.0	22.1
19.6	20.0	20.2	20.7	20.7	20.7	20.9	21.0	21.1
20.0	20.3	20.4	20.6	20.8	20.9	21.3	21.4	21.5
19.8	19.9	19.9	20.1	20.3	20.4	20.8	21.3	21.6
19.6	19.7	20.0	20.1	20.4	20.6	21.1	21.4	21.4
18.8	18.9	19.1	19.3	19.6	20.1	20.4	20.3	20.4
19.3	19.7	19.5	19.8	20.0	20.3	20.7	20.7	20.9
19.4	19.6	19.9	20.0	20.3	20.3	20.7	20.8	20.9
19.2	19.5	19.6	19.6	19.8	20.0	20.2	20.2	20.4
20.2	20.4	20.6	20.8	21.1	21.4	21.8	21.9	21.9
20.1	20.2	20.6	20.7	21.1	21.4	21.9	21.9	21.5
20.8	21.2	21.1	21.2	21.3	21.9	21.8	22.4	22.4
19.4	19.3	19.6	19.9	20.5	20.7	20.9	21.0	21.0
19.8	20.1	20.2	20.6	21.1	21.1	21.7	21.5	21.7
21.3	21.6	21.7	21.7	21.7	22.2	22.7	22.9	22.8
20.0	20.3	20.4	20.6	20.8	20.9	21.2	21.2	21.3
19.4	19.4	19.7	19.8	20.3	20.5	20.7	20.7	20.9
19.6	20.2	20.5	20.4	20.4	20.2	20.8	20.9	20.9
20.4	21.2	21.0	21.3	21.2	21.6	21.6	21.8	21.5
19.3	19.8	20.1	19.9	20.4	20.6	21.1	20.7	20.5
20.6	20.8	21.1	21.5	21.6	21.7	21.8	21.7	21.8
20.2	20.3	20.7	21.0	21.2	21.1	21.2	21.3	21.5
19.6	19.9	20.0	20.0	20.1	20.6	21.1	21.4	21.8
20.6	20.8	20.6	20.8	20.9	20.8	20.7	20.6	21.2
19.8	20.3	20.5	20.2	20.7	21.1	21.4	21.2	21.1
20.8	21.1	21.4	21.3	21.5	21.2	21.7	21.7	22.2
20.0	20.2	20.0	20.4	20.4	20.8	20.8	20.7	20.5
20.1	20.4	20.8	21.3	21.4	22.0	22.0	22.3	22.4
20.0	20.2	20.4	20.5	20.7	20.9	21.4	21.4	21.6
20.0	20.1	20.5	20.7	21.2	21.4	21.8	21.5	22.0
20.0	20.3	20.6	20.7	20.9	21.0	21.8	21.9	21.7
20.0	20.4	20.8	21.0	21.2	21.1	21.7	21.4	22.1
19.4	19.6	19.8	20.4	20.5	21.0	21.4	21.4	21.7
20.1	20.4	20.5	20.2	20.1	19.9	20.3	20.5	20.7
20.2	20.4	21.0	20.9	21.2	21.5	22.1	22.4	22.6

19.7	20.3	19.8	20.0	20.4	20.9	21.0	20.7	20.6
20.1	20.3	20.2	20.7	21.3	21.7	21.9	22.0	21.9
19.2	19.3	19.4	19.6	19.9	20.1	20.5	20.3	20.5
20.8	20.7	20.7	20.1	20.7	20.8	21.3	21.5	22.0
20.4	20.6	20.8	20.8	21.0	21.1	21.4	21.5	21.6
20.1	20.2	20.4	20.4	20.6	20.7	20.8	21.0	21.0
20.4	20.5	20.6	20.7	20.9	20.9	21.0	21.4	21.6
19.8	19.6	19.9	19.8	19.8	20.0	20.2	20.5	20.5
20.2	20.6	20.7	20.8	21.1	21.5	21.6	21.5	21.4
20.7	21.3	21.8	21.9	21.9	22.0	22.3	22.3	22.3
21.1	21.1	21.3	21.1	21.2	21.4	21.8	22.0	21.9
20.8	21.1	21.2	21.2	21.1	21.4	21.7	22.0	22.4
20.2	20.6	20.9	21.1	21.1	21.2	21.5	21.7	21.7
20.3	20.7	20.9	21.2	21.1	21.0	21.5	21.9	22.2
19.7	20.6	20.9	21.1	20.8	21.0	21.2	21.7	21.5
19.7	20.0	20.4	20.5	20.5	20.7	21.1	21.4	21.2
20.2	20.9	21.2	21.2	21.3	21.6	22.1	22.3	21.9
20.1	20.5	21.0	21.4	21.7	21.4	21.9	21.8	22.1
20.6	20.9	21.2	21.3	21.5	21.4	21.5	21.6	21.8
20.3	20.6	20.6	20.8	21.0	21.2	21.4	21.2	21.3
19.8	20.2	20.4	20.6	20.8	21.0	21.4	21.5	21.7
20.0	20.2	20.6	21.0	21.7	22.4	22.8	23.1	23.4
..
20.0	20.0	20.3	20.4	20.5	20.4	20.3	20.6	20.9
20.8	21.2	21.3	21.3	21.4	21.2	21.4	21.4	21.4
19.9	20.6	21.0	21.2	21.7	21.8	21.8	21.7	22.2
18.7	19.1	19.5	19.6	19.6	20.0	20.4	20.9	21.0
22.7	23.0	22.9	23.3	23.2	23.5	23.3	22.9	23.2
18.8	19.1	19.6	19.8	19.9	20.0	20.7	21.0	21.3
18.4	19.0	19.3	19.5	19.9	20.2	20.6	20.7	20.9
18.2	18.4	18.6	19.2	19.5	19.9	20.3	20.7	20.6
19.4	19.9	20.2	20.5	20.6	20.6	20.8	21.1	21.6
18.6	18.9	18.8	18.7	18.9	19.3	19.9	20.0	20.4
19.3	19.5	19.8	19.9	20.2	20.5	20.9	20.8	21.1
21.0	21.7	21.9	22.3	22.5	22.5	22.5	22.5	23.2
18.3	18.7	19.1	19.1	19.2	19.3	19.8	20.0	20.2
20.6	20.8	21.1	21.4	21.7	21.7	21.9	22.1	22.4
19.7	20.4	20.7	20.8	21.0	21.1	21.4	21.5	21.5
20.8	21.4	21.8	22.0	22.0	21.8	22.2	22.1	22.2
20.6	21.1	21.1	21.1	21.3	21.5	21.8	21.7	22.0
19.6	19.8	20.3	20.3	20.6	20.6	20.9	21.1	21.3
20.1	20.5	20.8	20.8	20.7	20.8	21.2	21.4	21.5
19.9	20.2	20.5	20.6	20.8	20.9	21.5	21.6	21.8
19.0	19.6	19.8	19.8	19.8	19.8	20.3	20.3	20.7
20.7	21.2	21.5	21.9	22.0	22.4	22.8	22.9	23.0
19.3	19.8	20.0	20.5	20.8	21.0	21.4	21.5	21.5
19.8	20.4	20.8	21.0	20.9	21.2	21.3	21.3	21.5
19.0	19.2	19.7	19.9	20.4	20.7	21.1	21.3	21.3
20.0	20.6	20.6	20.7	21.0	21.4	21.7	21.8	21.6
20.5	20.6	20.5	20.5	20.7	21.2	21.7	21.8	21.6
19.7	20.1	20.4	20.6	20.8	21.0	21.3	21.5	21.5
20.6	21.0	21.4	21.7	22.4	22.7	22.9	22.9	22.8

19.8	20.3	20.4	20.3	20.5	20.8	21.4	21.4	21.4
19.2	19.5	19.7	20.0	20.1	20.5	20.9	21.2	21.5
20.1	20.4	20.6	20.8	21.0	21.2	21.4	21.5	21.6
19.6	20.3	20.8	21.1	21.4	21.6	21.6	21.4	21.6
19.8	20.3	20.3	20.6	20.6	20.9	20.9	21.1	21.1
20.6	21.0	21.0	21.0	21.1	21.2	21.5	21.4	21.3
19.1	19.2	19.3	19.4	19.9	20.0	20.3	20.3	20.4
18.7	19.2	19.4	19.8	20.0	20.2	20.5	20.5	20.6
19.3	19.8	20.1	20.3	20.5	20.6	20.7	20.6	20.3
19.8	19.9	20.2	20.3	20.5	20.7	20.9	20.8	20.8
19.1	19.4	20.0	20.4	20.2	20.4	20.6	20.8	20.7
19.6	19.9	20.1	20.0	20.5	20.7	21.3	20.9	20.8
20.5	20.8	20.9	20.9	21.2	21.5	21.9	22.1	21.8
20.0	20.1	20.3	20.5	21.0	21.3	21.6	21.8	22.0
20.6	20.7	20.9	21.1	21.5	21.6	21.8	21.7	21.8
20.3	20.7	21.0	21.3	21.5	21.7	22.0	22.1	22.4
19.5	19.7	20.0	20.3	20.5	20.8	21.3	21.6	21.7
21.0	21.2	21.8	22.1	22.5	22.5	22.6	22.9	23.4
20.1	20.6	21.0	21.6	21.6	21.6	22.2	22.3	22.7
20.9	21.3	21.6	21.7	21.9	22.1	22.2	22.0	22.3
20.5	20.8	21.0	21.1	21.3	21.4	21.6	21.6	21.8
20.3	20.6	20.7	21.2	21.4	21.5	21.6	21.4	21.3
19.3	19.4	19.7	19.6	19.7	19.8	20.1	20.3	20.5
21.1	21.4	21.6	21.9	22.1	22.1	22.3	22.4	22.8
20.6	21.0	21.2	21.2	21.3	21.6	21.6	21.9	21.9
20.8	21.0	21.3	21.3	21.7	21.5	21.9	21.8	22.1
20.3	20.7	20.9	21.0	21.2	21.4	21.7	21.7	21.8
20.0	20.3	20.6	20.5	20.8	20.6	20.6	20.5	20.9
20.1	20.4	20.7	20.9	21.1	21.2	21.6	21.6	21.6
19.7	20.1	20.4	20.8	21.2	21.5	22.0	22.0	22.1
20.7	21.1	21.1	21.2	21.2	21.4	21.4	21.5	21.5
19.9	19.8	19.9	20.0	20.0	20.2	20.2	20.3	20.4
20.7	21.5	21.7	22.3	22.3	22.8	22.7	22.7	22.7
20.1	20.3	20.5	20.8	21.2	21.4	21.4	21.4	21.5
21.4	21.7	21.9	22.0	22.1	22.3	22.6	22.6	22.7
19.2	19.9	19.9	19.9	20.2	20.4	20.8	20.9	20.9
20.0	20.2	20.8	20.9	21.2	21.4	21.9	21.9	21.8
20.3	20.8	21.2	21.0	20.9	21.5	22.3	22.9	22.8
19.8	20.0	20.1	20.3	20.5	20.7	21.0	21.2	21.3
19.8	20.2	20.5	20.8	21.0	21.1	21.6	21.9	22.1
19.8	20.0	20.1	20.3	20.7	21.0	21.2	21.2	21.2
18.4	18.9	19.3	19.3	19.2	19.3	19.4	19.8	20.0
20.1	20.1	20.1	20.1	20.4	20.6	20.8	20.7	21.0
19.6	19.9	19.9	20.0	20.2	20.6	20.7	20.9	20.7
19.6	19.8	20.0	20.2	20.7	20.8	21.3	21.1	21.1
20.9	21.3	21.1	20.8	20.8	21.1	21.6	21.8	21.9
19.8	20.0	20.1	20.8	21.2	21.4	21.5	21.5	21.4
19.6	19.7	19.5	19.6	19.6	19.8	20.1	20.6	20.8
19.2	19.4	19.6	19.9	20.0	20.3	20.5	20.7	20.7
20.3	20.8	20.9	21.2	21.2	21.1	21.5	21.7	22.1
20.2	20.6	20.7	21.0	21.1	21.4	21.8	22.4	22.6
20.3	20.7	20.9	21.2	21.4	21.4	21.7	21.6	21.7

20.5	21.0	21.2	21.0	21.0	21.0	21.5	21.5	21.4
20.1	20.2	20.5	20.9	21.6	21.6	21.7	21.5	21.7
20.5	21.0	21.0	21.2	21.5	21.7	22.0	21.8	21.8
20.5	20.8	20.8	21.6	22.0	22.1	21.9	21.8	21.6
20.0	20.4	20.9	21.1	21.2	20.7	21.1	21.3	21.6
20.5	20.7	20.9	21.1	21.4	21.5	21.9	21.9	21.9
20.7	21.0	20.9	21.2	21.4	21.4	22.0	22.1	22.4
21.8	21.4	21.3	21.4	22.2	22.5	22.5	22.4	22.4
21.2	21.4	21.6	21.8	22.1	22.0	22.2	22.3	22.2
20.7	20.8	21.1	21.3	21.5	21.7	22.1	22.4	22.4
19.7	19.9	20.4	20.3	20.6	20.7	21.2	21.4	21.6
20.4	20.5	20.9	20.7	21.0	21.4	22.0	21.8	21.4
20.1	20.4	20.5	21.0	21.2	21.2	21.2	21.0	21.3
19.7	20.0	20.5	20.7	21.2	21.2	21.4	21.2	21.2
20.4	20.7	20.6	20.7	21.0	21.1	21.4	21.3	21.1
20.6	20.7	21.2	21.8	22.2	22.2	22.5	22.7	22.8
20.8	21.1	21.0	21.0	21.4	21.9	22.2	21.9	21.6
20.4	20.5	20.7	20.8	21.0	21.1	21.5	21.6	21.8
20.2	20.3	20.1	20.0	20.3	20.7	21.0	20.9	21.0
20.5	20.5	20.7	21.0	21.3	21.3	21.5	21.5	21.9
20.8	20.8	20.9	20.9	21.2	21.6	21.7	22.2	22.2
20.1	20.3	20.9	21.0	21.1	20.8	21.3	21.4	21.3
20.9	21.2	21.3	21.3	21.3	21.6	22.0	22.1	22.2
20.1	20.5	20.7	20.8	20.9	20.9	21.3	21.5	21.8
19.8	20.0	20.0	20.2	20.6	20.7	21.1	21.2	21.4
20.3	20.7	20.8	20.9	21.0	21.2	21.4	21.6	21.6
20.4	20.7	21.0	21.2	21.3	21.3	21.6	21.7	21.8
20.2	20.5	20.6	20.6	20.7	20.8	21.0	20.9	21.0
19.4	19.7	19.9	20.1	20.2	20.5	20.6	20.9	20.8
20.1	20.5	20.6	20.7	20.7	20.8	21.1	21.2	21.3
**	**	**	**	**	**	**	**	**
20.4	20.5	20.6	20.8	21.1	21.3	21.4	21.5	21.5
19.5	19.9	20.1	20.2	20.2	20.2	20.5	20.4	20.6
20.8	21.1	21.2	21.1	21.2	21.4	21.6	21.7	21.6
20.4	21.0	21.0	21.1	21.1	21.3	21.6	21.7	21.8
19.1	19.3	19.4	19.8	20.1	20.6	20.7	20.7	20.7
20.2	20.9	20.9	20.9	20.9	21.0	21.0	21.0	21.1
20.4	20.7	20.9	21.0	21.2	21.3	21.5	21.6	21.6
20.7	21.1	21.3	21.3	21.4	21.5	21.7	21.8	21.9
20.8	21.3	21.5	21.6	21.6	21.7	22.0	22.1	22.0
20.4	20.8	21.1	21.1	21.2	21.2	21.6	21.6	22.0
21.2	21.3	21.2	21.0	21.3	21.6	22.3	22.4	22.7
20.3	20.6	20.7	20.7	21.1	21.5	21.6	21.3	21.2
20.7	21.2	21.3	21.6	21.5	21.8	21.8	22.0	22.3
20.8	21.3	21.6	21.5	21.3	21.2	21.5	21.7	22.0
20.2	20.8	21.1	21.1	21.1	21.4	21.3	21.5	21.2
21.3	21.4	21.8	21.8	22.0	21.5	21.6	21.5	21.8
21.1	21.5	21.6	21.7	21.9	22.1	22.4	22.5	22.5
21.7	22.1	21.9	22.0	22.1	22.3	22.7	22.9	23.1
21.7	22.2	22.3	22.4	22.4	22.6	23.0	23.1	23.1
20.9	21.4	21.8	22.1	22.4	22.4	22.8	22.7	22.8
21.5	21.5	21.9	21.5	21.8	22.1	22.7	23.2	22.5
20.8	21.1	21.3	21.5	21.9	21.9	22.2	22.3	22.3

20.1	20.4	20.6	20.7	20.5	20.6	20.8	21.0	21.3
20.1	20.4	20.6	20.8	21.0	21.2	21.5	21.7	21.5
20.3	20.6	20.7	21.1	21.5	21.5	21.9	22.0	21.8
20.5	20.9	21.1	21.3	21.3	21.5	22.0	22.7	22.6
20.1	20.5	20.8	20.3	20.6	20.8	21.4	21.5	21.4
19.2	19.5	19.7	20.1	20.4	20.7	21.0	21.2	21.0
20.1	20.4	20.7	20.6	21.0	21.0	21.2	21.1	20.9
20.1	20.5	20.9	21.5	21.4	21.6	21.6	21.9	21.9
20.4	20.7	20.9	21.1	21.1	21.3	21.5	21.7	21.8
19.9	20.7	20.7	21.2	21.3	21.5	21.6	21.7	21.9
20.2	20.4	20.6	20.9	21.1	20.9	21.3	21.5	21.8
20.4	20.6	21.0	21.3	21.4	21.6	21.7	21.9	22.0
20.5	20.9	20.7	20.6	20.4	20.7	21.0	21.2	21.2
21.3	21.6	21.5	21.9	21.9	21.9	21.9	22.4	22.6
19.1	19.4	19.6	19.8	19.9	20.1	20.4	20.5	20.5
19.8	20.2	20.2	20.8	20.6	20.6	20.7	21.3	21.4
19.9	20.1	20.4	20.3	20.4	20.5	21.2	21.2	21.6
20.2	20.6	20.5	20.5	20.7	20.9	21.2	21.2	21.3
19.3	19.6	19.8	19.7	19.4	19.3	19.7	20.0	20.0
19.1	19.2	19.2	19.6	19.9	20.3	20.6	20.6	20.6
19.0	19.1	19.1	19.3	19.5	19.7	19.9	20.2	20.2
19.9	20.4	20.7	21.0	21.2	21.3	21.5	21.6	21.7
20.6	20.9	21.2	21.5	21.7	21.7	21.6	21.7	22.0
19.3	19.6	19.7	20.1	20.2	20.4	20.8	20.9	21.1
18.9	19.3	19.6	19.7	19.9	19.9	20.2	20.3	20.4
19.3	19.5	19.6	19.8	20.0	20.3	20.5	20.6	20.5
18.7	18.9	19.3	19.3	19.4	19.3	19.5	19.7	19.8
18.3	18.6	18.9	19.2	19.7	19.7	19.8	19.6	19.6
19.4	19.5	19.8	20.2	20.7	21.0	21.2	21.5	21.5
19.3	19.8	20.0	20.0	20.0	20.1	20.5	20.7	20.8
18.2	18.6	18.5	18.5	18.5	18.9	19.5	19.5	19.4
17.3	17.9	18.5	18.9	18.8	19.1	19.5	19.2	19.2
18.0	18.5	18.8	19.2	19.2	19.3	19.6	19.6	19.8
17.6	18.2	18.0	18.2	18.3	18.5	18.8	18.7	19.0
19.2	19.4	19.5	19.7	19.6	19.9	20.2	20.1	19.9
20.7	21.0	21.3	21.1	21.3	21.3	21.6	21.6	22.0
19.3	19.4	19.4	19.7	19.6	20.1	20.2	20.3	20.3
18.3	18.5	18.7	18.7	18.9	19.1	19.4	19.4	19.5
18.8	19.1	18.9	18.9	19.0	19.2	19.6	19.7	19.8
19.3	19.3	19.5	19.4	19.6	19.7	20.0	20.0	20.1
18.6	19.0	19.4	19.5	19.6	19.6	19.9	20.0	20.2
19.0	19.2	19.2	19.3	19.5	19.6	20.1	20.1	20.2
19.2	19.5	19.7	19.8	19.8	19.9	20.0	20.2	20.2
17.8	17.9	18.5	19.0	19.3	18.9	19.3	19.3	18.9
18.5	18.8	18.8	19.2	19.4	19.8	19.8	19.9	19.9
18.2	18.6	19.0	19.0	19.0	18.8	19.0	18.9	19.1
17.1	17.6	17.6	18.0	18.2	18.6	18.9	19.0	18.8
19.7	19.7	20.0	19.8	20.4	20.6	21.1	21.1	21.0
18.6	19.2	19.2	19.3	19.2	19.4	19.8	19.9	20.1
19.7	20.2	20.2	20.1	20.2	20.4	20.8	20.7	20.8
17.8	17.9	18.1	18.0	18.2	18.7	19.2	19.2	19.3
18.5	18.9	19.0	18.9	18.9	19.1	19.6	19.7	19.7
17.0	17.2	17.3	17.3	17.5	17.8	18.2	18.2	18.2

19.2	19.4	19.3	19.3	19.6	19.9	20.1	20.3	20.7
17.8	18.1	18.2	18.5	18.6	18.9	19.0	19.0	19.3
18.0	18.1	18.1	18.7	19.1	19.2	19.3	19.4	19.7
18.7	18.7	18.9	19.1	19.7	19.9	20.0	19.7	19.9
19.6	19.8	19.8	20.1	20.5	20.8	20.7	20.1	20.0
18.3	18.4	18.5	18.4	18.4	18.7	19.0	19.3	19.4
17.2	17.5	17.7	17.7	17.8	18.0	18.2	18.2	18.3
19.8	19.7	19.5	19.4	19.4	19.9	19.9	20.0	20.2
19.1	19.4	19.6	19.7	19.9	20.2	20.7	20.8	20.7
17.6	17.6	17.9	17.9	18.3	18.4	18.9	18.9	19.0
18.8	19.1	19.3	19.5	19.7	19.8	20.2	20.2	20.6
20.3	20.4	20.8	20.2	20.5	20.1	19.6	20.2	20.9
18.7	18.9	19.1	19.3	19.4	19.5	19.6	19.6	19.7
17.9	18.1	18.3	18.5	18.6	18.7	18.9	19.0	19.0
18.6	18.8	18.9	19.3	19.6	19.9	20.1	20.3	20.3
17.6	17.8	17.6	17.7	17.8	18.0	18.5	18.3	18.3
17.3	17.5	17.6	17.9	18.3	18.4	18.6	18.6	18.8
19.3	19.6	19.7	19.8	19.9	20.1	20.4	20.5	20.5
19.1	19.5	19.7	20.0	20.0	20.3	20.3	20.3	20.4
19.6	19.7	20.2	20.0	20.3	20.4	20.8	20.8	20.7
19.2	19.3	19.3	19.2	19.3	19.5	19.7	19.7	19.7
19.7	19.7	20.2	20.4	20.7	20.5	20.7	20.9	20.8
18.3	18.7	18.7	18.7	18.8	19.2	19.6	20.0	20.2
19.7	19.9	20.0	20.2	20.3	20.8	20.9	21.3	21.0
19.3	19.6	19.8	20.1	20.0	20.4	20.4	20.9	20.7
19.4	19.7	19.5	19.7	20.0	20.3	20.7	20.7	20.7
19.4	19.9	20.1	19.9	20.1	20.0	20.4	20.5	20.9
19.1	19.1	19.5	19.6	20.0	20.2	20.6	20.6	20.6
20.1	20.3	20.4	20.4	20.3	20.3	20.5	20.7	20.8

relations. This is denoted by the symbol '..'

2012-2014 2013-2015 2014-2016

20.9	20.9	21.0
21.1	21.1	21.1
20.0	19.9	20.0
19.7	19.7	19.9
20.5	20.3	20.4
20.2	19.9	20.0
18.9	19.0	18.8
20.5	20.6	20.6
20.6	20.5	20.4
20.4	20.3	20.1
19.8	19.8	19.8
19.6	19.7	19.8
20.1	19.8	19.6
20.4	20.2	20.4
20.0	20.1	19.9
19.2	19.4	19.5
20.2	20.2	20.2
19.6	19.5	19.2
19.4	19.3	19.3
21.5	21.6	21.6
20.9	21.0	20.9
18.9	18.8	19.1
20.0	20.0	20.1
21.0	21.0	21.1
20.4	20.4	20.5
20.3	20.0	19.9
20.8	20.9	20.8
20.0	20.0	20.3
22.6	22.8	22.9
22.0	22.2	22.1
19.9	19.8	19.9
20.0	19.9	19.9
20.0	19.9	19.9
18.8	18.8	18.7
19.5	19.4	19.3
19.7	19.6	19.6
19.2	19.2	19.3
21.0	21.0	21.2
19.1	19.2	19.4
21.5	21.4	21.6
19.7	19.8	19.6
20.4	20.4	20.6
19.0	19.5	20.1
20.4	20.5	20.4
20.7	20.8	20.9
19.7	19.7	19.8

20.2	20.0	20.2
20.5	20.2	20.2
19.8	20.0	20.0
21.6	21.8	21.5
20.0	19.7	20.0
21.0	21.4	21.8
20.7	20.6	20.8
20.9	20.9	21.0

20.0	20.0	20.0
19.1	19.0	19.0
19.3	19.4	19.5
20.8	20.7	20.9
20.2	19.9	19.8
20.4	20.3	20.4

20.5	20.5	20.6
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20.9	21.0	21.1
19.1	19.0	18.9
20.3	20.6	20.7
20.8	20.6	20.6
21.4	21.5	21.4

21.6	21.7	21.8
22.0	22.1	22.1
22.3	22.3	22.7
22.0	22.0	21.9
21.1	20.8	21.1
21.8	22.0	22.6
21.1	21.1	21.2
21.1	21.5	21.2

20.2	20.2	20.3
19.9	19.7	20.1
20.0	20.0	20.0
20.0	19.9	19.9
20.5	20.6	20.7

20.3	20.3	20.4
20.0	20.0	20.1
20.8	20.8	20.7
20.4	20.5	20.5
20.3	20.3	20.4
20.3	20.3	20.4

21.0	20.9	20.9
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21.0	21.0	21.2
20.1	20.0	20.1
20.3	20.1	19.8
23.0	23.0	23.0

20.9	20.7	20.7
21.2	20.6	20.8
19.5	19.5	19.5
20.5	20.4	20.4
21.9	21.6	21.5
21.0	20.7	20.7

21.0	21.1	21.1
21.1	20.9	20.8
20.8	20.3	20.6

21.7	21.7	21.7
22.2	22.0	22.1
21.3	21.5	21.4
22.0	22.2	22.3
21.9	21.9	22.1
21.8	21.8	21.9
21.1	20.9	20.9
21.8	21.5	21.6

21.0	20.9	21.0
20.5	20.4	20.6
20.4	20.4	20.4
20.1	20.1	20.2
21.7	21.8	21.8
21.1	20.8	20.9
21.6	21.4	21.3
21.3	21.3	21.5

20.9	21.0	21.0
19.5	19.5	19.8
20.8	20.9	20.9
21.3	21.4	21.1
20.9	20.9	21.1
20.5	20.7	20.7
22.2	22.2	22.3
21.6	21.3	20.8

20.8	20.7	20.7
20.1	19.7	19.9
20.3	20.3	20.3
21.1	20.9	20.8
21.0	21.2	21.0
20.0	20.0	19.9
20.8	20.7	20.8
22.3	22.3	22.2

21.0	20.9	21.0
21.9	21.7	21.6
21.7	21.5	21.5
19.8	19.7	19.8
20.3	20.2	20.3

20.9	20.8	21.0
20.6	20.6	20.7
20.9	20.5	20.7
20.9	21.0	21.1
20.5	20.4	20.3
21.4	21.5	21.6
21.4	21.1	21.3
20.8	20.7	20.8
20.6	20.9	21.0

21.6	21.5	21.4
20.6	20.4	20.4

20.5	20.3	20.3
21.6	21.7	21.6
22.3	22.2	22.0
22.2	22.2	22.2

20.8	20.7	20.8
20.6	20.7	20.8
20.7	20.6	20.6
21.0	20.9	21.2
20.1	19.9	20.0
21.9	21.9	22.2
20.8	20.7	20.6
20.4	20.2	20.2

21.3	21.4	21.6
21.0	21.0	21.4
21.3	21.1	21.2
21.1	21.6	21.4
21.2	21.6	21.8
22.0	22.2	22.7
21.1	21.0	21.1

21.5	21.5	21.5
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21.8	21.4	21.3
21.3	21.2	21.6
20.5	20.7	20.6
20.8	20.9	20.8
20.9	20.9	21.0
20.4	20.6	20.3

21.9	21.9	21.9
21.4	21.4	21.6
22.6	22.2	22.0
21.0	21.1	21.1
21.8	22.0	22.0
22.6	22.6	22.6

21.3	21.3	21.2
21.0	21.1	20.9
21.0	20.8	20.8
21.4	21.4	21.5
20.5	20.6	20.8
22.0	22.0	21.9
21.3	21.3	21.0
21.3	21.2	20.8
21.2	21.5	21.3
21.1	21.2	21.4
22.1	22.2	22.1
20.8	20.9	20.9
22.5	22.5	22.0

21.6	21.6	21.6
22.3	22.7	22.4
21.8	21.7	22.0
22.0	22.5	22.5
21.8	22.0	21.8
20.7	20.8	21.1
22.5	22.2	22.2

20.4	20.2	20.2
21.9	21.6	21.7
20.3	20.5	20.4
22.0	21.9	21.7

21.7	21.6	21.8
21.1	20.9	21.1
21.9	21.6	21.8
20.6	20.9	21.0
21.6	21.8	21.9
22.1	22.3	22.4
21.9	21.8	21.9
22.4	22.2	22.0

21.9	21.8	21.9
22.1	21.9	21.9
21.5	21.0	21.2
21.3	20.9	21.0
22.2	22.2	22.5
22.1	22.1	22.0
22.2	22.2	22.4
21.5	21.6	21.6

21.7	21.7	21.9
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24.0	23.9	24.4
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..
21.1	21.0	21.1
21.8	21.7	22.1
22.4	22.4	22.3
21.2	21.2	21.3
23.5	23.6	23.6
21.3	21.3	21.3
21.0	20.9	21.0
20.8	20.5	21.0
21.4	21.3	21.3
20.3	20.4	20.5
21.3	21.2	21.3
23.5	23.5	23.4

20.2	20.2	20.5
22.5	22.5	22.6
21.7	21.5	21.7
22.3	22.5	22.7
22.0	22.3	22.2
21.4	21.3	21.4
21.5	21.6	21.8
21.8	21.8	22.0
20.5	20.7	20.5
23.1	23.1	23.2
21.4	21.6	21.6
21.5	21.4	21.5
21.6	21.7	21.9
22.0	21.9	22.6
21.5	21.6	21.7
21.8	21.7	21.7
23.0	22.9	23.2

21.0	21.3	21.3
21.6	21.5	21.6
21.7	21.7	21.7
22.2	22.3	22.0
21.5	21.5	21.3
21.4	21.5	21.7
20.2	20.2	20.4
20.7	20.8	20.9
20.3	20.4	20.6
20.9	21.2	21.2
20.8	20.9	20.8
21.0	21.0	20.8
21.9	21.8	22.1
22.2	22.3	22.2
21.9	22.2	22.3
22.4	22.4	22.4
21.6	21.5	21.7
23.7	23.4	23.5
22.6	22.5	22.1
22.4	22.5	22.6
22.0	22.0	22.0
21.5	21.6	21.6
20.5	20.5	20.3
23.2	23.2	23.1
22.1	21.8	22.0
22.3	22.3	22.3
21.9	22.0	22.0
21.3	21.3	21.4
21.8	21.9	21.9
22.0	21.8	22.1
21.5	21.5	21.4
20.8	20.9	21.0
23.3	23.4	23.0
21.4	21.6	21.6
22.7	22.9	22.9
21.0	20.8	20.8
21.8	22.0	22.4
22.7	22.5	22.6
21.3	21.3	21.3
21.6	21.7	21.5
21.3	21.3	21.4
20.3	20.4	20.3
21.1	21.1	20.9
20.8	20.9	21.2
20.9	21.1	21.2
22.1	21.9	22.3
21.4	21.5	21.4
20.9	20.8	20.8
20.7	20.7	20.6
22.5	22.4	22.5
22.4	22.0	21.8
21.6	21.7	21.9

21.1	21.2	21.2
21.7	21.8	21.8
21.9	22.1	22.3
22.0	22.4	22.9
21.5	21.3	21.5

21.9	21.9	22.0
22.5	22.4	22.7
22.5	22.5	22.6
22.3	22.1	22.3
22.2	21.9	22.2
21.4	21.1	21.1
21.7	21.7	21.8
21.4	21.5	21.5
21.3	21.4	21.5
21.3	21.5	21.9
22.8	22.6	22.7
21.7	22.0	21.6

21.9	21.9	21.9
21.3	21.4	21.4
21.9	21.8	21.5
22.6	22.3	22.3
21.4	21.9	22.0
22.3	22.3	22.4
22.2	22.2	22.4
21.3	21.1	21.0

21.7	21.6	21.7
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21.9	21.9	22.0
21.1	21.0	21.0
20.8	20.9	21.1
21.4	21.4	21.5

..
21.9	21.6	21.6
20.6	20.9	20.8
21.6	21.4	21.2
22.0	22.0	22.0
20.9	20.9	21.0
21.2	21.0	20.8
21.8	21.7	21.7

22.0	22.1	22.0
22.1	22.0	22.1
22.1	22.3	22.0
22.6	22.5	22.3
21.3	21.4	21.3
22.5	22.6	22.2
22.1	22.2	22.1
21.5	21.2	21.2
22.1	22.4	22.3

22.6	22.4	22.3
23.2	22.9	22.9
23.2	22.9	22.7
22.9	22.9	22.5
22.5	22.2	22.7
22.3	22.1	22.1

21.3	21.5	21.3
21.5	21.4	21.5
21.6	21.3	21.3
22.6	22.4	22.5
21.5	21.2	21.1
20.7	20.7	21.1
20.9	20.8	21.1
22.1	22.5	22.3
22.0	21.9	22.0
22.1	21.8	21.8
21.9	21.9	22.1
22.4	22.3	22.2
21.4	21.3	21.6
23.0	22.4	22.2
20.5	20.5	20.6
21.5	21.1	21.2
21.5	21.6	21.4
21.5	21.4	21.7
19.8	19.9	19.8
20.6	20.6	20.7
20.1	19.7	19.6
21.6	21.6	21.7
22.4	22.1	21.9
21.3	21.3	21.4
20.4	20.3	20.2
20.6	20.4	20.3
19.9	20.0	19.9
19.8	19.8	20.0
21.5	21.5	21.7
20.8	20.6	20.8
19.4	19.4	19.5
19.1	19.5	19.4
19.7	19.7	19.7
19.0	19.2	19.4
19.9	20.3	20.6
21.9	21.9	21.9
20.3	20.3	20.2
19.6	19.7	19.7
19.6	19.6	19.7
20.1	20.2	20.3
20.2	20.5	20.5
20.3	20.5	20.6
20.5	20.5	20.5
18.9	19.0	19.3
19.8	19.8	20.1
19.3	19.3	19.3
18.7	18.4	18.5
21.1	21.1	21.2
20.2	20.5	20.7
20.9	21.3	21.4
19.3	19.4	19.4
20.0	20.0	19.9
18.1	18.2	18.2

21.0	20.8	21.0
19.3	19.4	19.4
19.7	19.7	19.8
20.2	20.4	20.4
20.5	21.1	21.2
19.5	19.2	19.5
18.5	18.5	18.6
20.8	21.2	21.1
20.8	20.8	20.9
19.2	19.2	19.1
20.5	20.5	20.4
21.2	20.3	20.1
19.6	19.8	19.9
19.1	19.1	19.2
20.2	20.1	20.1
18.2	18.4	18.5
19.0	19.3	19.3

20.5	20.6	20.6
20.4	20.4	20.2
20.5	20.6	20.9
19.8	19.9	19.8
20.8	20.9	21.5
20.1	20.3	20.1
20.8	20.6	20.5
20.9	20.9	21.1
20.8	20.8	20.9
20.9	21.0	20.8
20.5	20.8	20.8
20.8	20.9	20.9

Increase in Total traffic at Minster A299 roundabout due to Manston HGVs

HGVs from Manston Airport are intended to leave and join the A299 dual carriageway at the Minster roundabout, and not go through Ramsgate or the adjacent minor roads.

We limit our analysis to +20 years, as after that A299 is likely to have been re-designed.

By data mining :

Table 6.5 Cargo Facility Total HGVs Per Day, in Vol 16 of RSP Transport Assessment

Year	Arrivals	Departures
5	62	62
10	74	74
15	94	94
20	118	118

Manston ATC 2, A299 Manston ATC 2, A299

07/03/2017

Channel 1 - Eastbound

Hr Ending 1 2 3 4 5 6 7 8 9 10 11 12 13 TOTAL

0-24 9811 1086 13 6 24 0 6 10 8 1 4 84 0 11053

Channel 2 - Westbound

0-24 10458 1043 35 11 27 0 5 24 16 2 5 85 0 11711

08/03/2017

Channel 1 - Eastbound

0-24 9511 1122 21 5 20 0 8 14 12 2 7 85 0 10807

Channel 2 - Westbound

0-24 10083 1063 41 11 24 0 8 10 13 0 5 91 0 11349

09/03/2017

Channel 1 - Eastbound

0-24 9969 1172 27 7 36 0 2 19 18 0 6 92 0 11348

Channel 2 - Westbound

0-24 10527 1192 34 13 23 1 3 12 19 3 16 90 0 11933

10/03/2017

Channel 1 - Eastbound

0-24 10232 1164 24 6 25 0 8 14 13 1 9 87 0 11583

Channel 2 - Westbound

0-24 11135 1090 32 10 19 1 7 15 11 0 12 97 0 12429

11/03/2017

Channel 1 - Eastbound

0-24 8916 621 8 7 15 0 3 14 1 0 3 42 0 9630

Channel 2 - Westbound

0-24 9215 633 11 8 7 0 2 9 9 1 5 58 0 9958

12/03/2017

Channel 1 - Eastbound

0-24 7450 408 3 4 9 0 3 12 7 0 0 22 0 7918

Channel 2 - Westbound

0-24 7512 417 10 4 13 0 5 7 6 1 1 25 0 8001

13/03/2017

Channel 1 - Eastbound

0-24 9841 1027 23 8 30 0 2 9 23 0 2 72 0 11037

Channel 2 - Westbound

0-24 10129 1046 30 6 23 0 1 8 15 1 5 72 0 11336

Eastbound :

Cars, Total

9811 11053

9511 10807

9969 11348

10232 11583

8916 9630

7450 7918

9841 11037

Per Week :

65730 73376

Non Cars : 7646

Per Day :

0 round 65730 7646 73376 ÷7

9390 1092 10482

Westbound:

10458 11711

10083 11349

10527 11933

11135 12429

9215 9958

7512 8001

10129 11336

Per Week :

69059 76717

Non Cars :7658

Per Day:

0 round 69059 7658 76717 ÷7

9866 1094 10960

Increase in daily traffic due to Manston Airport freight :

At Minster junction on A299 (where Manston HGVs leave/merge with A299 traffic)

Assuming averages of HGV Arrivals / Departures and

current growth at 2.2% per year in existing 2017 Eastbound and Westbound traffic.

Year	Manston HGVs	Non Cars	Non Manston Total	Non Car Increase	Total Traffic Increase
2017	0	1,093	10,721		
5 (2024)	62	1,273	12,485	4.9%	0.5%
10 (2029)	74	1,419	13,920	5.2%	0.5%
15 (2034)	94	1,582	15,520	5.9%	0.6%
20 (2039)	118	1,764	17,304	6.7%	0.7%

Based on :

Table 6.5 Cargo Facility Total HGVs Per Day,

Vol 16 of RSP Transport Assessment and

<https://www.gov.uk/government/statistics/road-traffic-estimates-in-great-britain-2016>

Thus we conclude that the total increase in traffic due to Manston Airport HGVs at the Minster Roundabout on the A299 is likely to remain under 1% for at least 20 years.

Dr. Beau Webber Lab-Tools Ltd.



Quinn
Estates

Stone Hill Park, Manston, Kent Information Sheet

Strictly Private & Confidential

www.quinn-estates.com

Proposed Garden City at the Former Manston Airport

Quinn Estates have been offered a third share in one of the most important regeneration opportunities in the south east and the biggest brownfield regeneration project in Britain. The proposal is to regenerate the former Manston airport site into a circa 800 acre garden city with circa 5,000 houses, with potential for up to 10,000, and commercial ventures including B1, B8, retail and community uses amongst a large area of new parkland. The site, to be known as Stone Hill Park will be a series of new communities living, working and playing in an outstanding setting in an architecturally designed mixed use community in close proximity to existing conurbations and infrastructure.

In terms of timing, we would anticipate submitting an application in Q1 2016 with determination by Q3 2016. The strategy is to sell off parcels of land to national housebuilders and then use the commercial expertise of Quinn Estates to deliver the commercial schemes.

Ownership

47% is held by Trevor Cartner and Chris Musgrave, whilst a 20% stake is held by Ann Gloag, the former owner. Trevor Cartner and Chris Musgrave are responsible for two of the most high profile business park developments in the country. Wynyard Park in Billingham, County Durham is the redevelopment of a former Samsung R&D site into a mixed use development which has so far created over 2,000 jobs and has planning permission for thousands of houses. In addition, Discovery Park in Sandwich, the former Pfizer site, has been developed into the most successful Enterprise Zone in the UK with thousands of people now employed on the site in a little over 3 years since the site was vacated by Pfizer. This development has been feted by George Osborne as an exemplar mixed use development and an example of how Enterprise Zones should work.

We have been selected by the current owners due to our track record for delivering in Kent including continually building commercial space throughout the recession and for doing what we say and for our ability to leverage political support for complex, large and contentious planning applications in Kent. We have delivered over 1m sq.ft of commercial space in which over 3,500 people now work.

The Rationale

The rationale for the development is compelling. Boris Johnson has stated that London is failing to meet its objectively assessed housing need and has earmarked Kent as the area which can cope with the shortfall. The location of Manston is supported by the £11bn HS1 and the proposed Manston Parkway which is less than 100m from the boundary of the former Manston Airport and that would provide train times to London St Pancras of 57 minutes. The Argent development at Kings Cross is anticipated to create employment for 500,000 people of which only 2% are expected to be able to afford to live locally providing a significant number of potential end users along the HS1 route.

The Financials

We are seeking an investment of £8.5m for a third share stake that we would then split on a 60/40 basis. The stake includes £500,000 towards the planning costs. We would offer a 10% coupon per annum for 2.5 - 3 years on the £8.5m investment which would be paid back as a priority return upon the first sale of any of the development.

On a mixed use development of 5,000 residential dwellings we have forecast an income of £601m which includes the sale of land to national housebuilders for 4 separate eco villages and costs of £295m which includes the delivery of 250,000sq.ft of offices, 1.75m sq.ft of B8 sheds, 250,000sq.ft of retail and various leisure and community facilities.

The profit for the JV is expected to be in the region of £306m which could result in a return including your £8.5m investment of £64.7m.

On a mixed use development of 10,000 residential dwellings we have forecast an income of £927m which includes the sale of land to national housebuilders for 8 separate eco villages and costs of £290m which includes the delivery of 250,000sq.ft of offices, 1.75m sq.ft of B8 sheds, 250,000sq.ft of retail and various leisure and community facilities. The profit for the JV is expected to be in the region of £637m which could result in a return including your £8.5m investment of £130m.

For a third share the £8.5m would effectively buy 266 acres at a price of £32,000 per acre. At Discovery Park land has just been sold to a national housebuilder for £750,000 per acre on 35 acres or the equivalent of £70,000 per plot. Our appraisal for Manston is based upon a sale at £65,000 per plot so we have modelled in a discount.

Site & area strengths

- Elevated position with outstanding coastal and countryside views
- Creation of parkland
- Proximity to proposed HS1 Manston Parkway (due to open 2018)
- Excellent road infrastructure to M20 via Dover and M2/A2 for London
- Existing leisure and cultural facilities including Turner Contemporary, Dreamland theme park and Westwood Cross shopping centre

Quinn Estates

Quinn Estates have established themselves as the most proactive mixed use developers in Kent and have in excess of 25 live projects handled by an experienced and professional team.

Our expertise lies in identifying opportunities to add value through planning and design whilst also having the capability to build, having ourselves delivered in excess of 1m sq.ft of commercial space and hundreds of residential units.

We have successfully obtained planning permission on both heavily contaminated and greenfield sites and work with a variety of private equity, landowner, local authority and property company partners to deliver value and schemes to be proud of.

Quinn Estates have over £750m worth of residential property being built on in planning, and have a pipeline of commercial projects that will generate in excess of £100m. Once complete the 25 projects we are involved in will deliver over £80m a year into the Kent economy and create over 7,000 construction and long term jobs.

Some of our recent projects include the Spirit of Sittingbourne project which is a £60m town centre regeneration in which Quinn Estates have partnered Swale Borough Council and Development Securities/Cathedral Group. The scheme includes 215 apartments, multi screen cinema, big box retail, new restaurants and a new public realm with highways improvements. Planning was granted in March 2015.

In addition, we have been selected as the development partner to the HCA and Development Securities in a town centre redevelopment and creation of a private rented sector quarter in Ashford.