

Spatial Assessment of the attributable burden of disease due to transportation noise in England  
Appendix (Document C)

Railway noise attributable DALYs lost (per 100,000 people) for adults in English Local Authority Districts in 2018

<b>Region</b>	<b>Local Authority District</b>	<b>Local Authority ID</b>	<b>Geo label</b>	<b>Highly sleep disturbed DALY rate per 100000 people</b>	<b>Highly annoyed DALY rate per 100000 people</b>
East Midlands	Derby	E06000015	1	9.18	6.49
East Midlands	Leicester	E06000016	2	18.25	13.97
East Midlands	Rutland	E06000017	3	2.47	1.98
East Midlands	Nottingham	E06000018	4	6.13	6.60
East Midlands	Amber Valley	E07000032	5	26.66	19.41
East Midlands	Bolsover	E07000033	6	3.31	1.99
East Midlands	Chesterfield	E07000034	7	19.04	14.08
East Midlands	Derbyshire Dales	E07000035	8	5.57	3.50
East Midlands	Erewash	E07000036	9	26.05	20.68
East Midlands	High Peak	E07000037	10	8.52	6.87
East Midlands	North East Derbyshire	E07000038	11	10.17	10.26
East Midlands	South Derbyshire	E07000039	12	10.98	7.72
East Midlands	Blaby	E07000129	13	15.70	11.10
East Midlands	Charnwood	E07000130	14	22.94	16.47
East Midlands	Harborough	E07000131	15	21.39	14.03
East Midlands	Hinckley and Bosworth	E07000132	16	8.31	6.21
East Midlands	Melton	E07000133	17	0.00	0.00
East Midlands	North West Leicestershire	E07000134	18	0.00	0.02
East Midlands	Oadby and Wigston	E07000135	19	13.75	9.35
East Midlands	Boston	E07000136	20	0.00	0.00
East Midlands	East Lindsey	E07000137	21	0.00	0.00
East Midlands	Lincoln	E07000138	22	21.26	16.03
East Midlands	North Kesteven	E07000139	23	0.23	0.28
East Midlands	South Holland	E07000140	24	0.00	0.00
East Midlands	South Kesteven	E07000141	25	19.72	15.73
East Midlands	West Lindsey	E07000142	26	0.00	0.00
East Midlands	Corby	E07000150	27	0.00	0.00

East Midlands	Daventry	E07000151	28	6.73	6.19
East Midlands	East Northamptonshire	E07000152	29	0.00	0.00
East Midlands	Kettering	E07000153	30	38.83	28.15
East Midlands	Northampton	E07000154	31	3.66	4.00
East Midlands	South Northamptonshire	E07000155	32	9.49	7.50
East Midlands	Wellingborough	E07000156	33	7.21	6.32
East Midlands	Ashfield	E07000170	34	2.76	4.04
East Midlands	Bassetlaw	E07000171	35	20.81	17.10
East Midlands	Broxtowe	E07000172	36	14.11	10.11
East Midlands	Gedling	E07000173	37	12.74	8.57
East Midlands	Mansfield	E07000174	38	2.21	3.58
East Midlands	Newark and Sherwood	E07000175	39	17.40	15.32
East Midlands	Rushcliffe	E07000176	40	5.89	4.56
East of England	Peterborough	E06000031	41	17.37	14.54
East of England	Luton	E06000032	42	42.34	34.46
East of England	Southend-on-Sea	E06000033	43	22.19	16.58
East of England	Thurrock	E06000034	44	14.69	12.17
East of England	Bedford	E06000055	45	26.24	21.44
East of England	Central Bedfordshire	E06000056	46	30.90	24.45
East of England	Cambridge	E07000008	47	13.07	10.03
East of England	East Cambridgeshire	E07000009	48	2.19	1.78
East of England	Fenland	E07000010	49	17.10	11.81
East of England	Huntingdonshire	E07000011	50	10.53	11.02
East of England	South Cambridgeshire	E07000012	51	6.42	6.47
East of England	Basildon	E07000066	52	13.41	14.37
East of England	Braintree	E07000067	53	15.28	12.31
East of England	Brentwood	E07000068	54	50.35	40.48
East of England	Castle Point	E07000069	55	1.04	1.33
East of England	Chelmsford	E07000070	56	17.47	13.24
East of England	Colchester	E07000071	57	10.11	10.01
East of England	Epping Forest	E07000072	58	8.71	5.33
East of England	Harlow	E07000073	59	2.20	2.67
East of England	Maldon	E07000074	60	0.00	0.00

East of England	Rochford	E07000075	61	28.24	22.16
East of England	Tendring	E07000076	62	0.51	0.83
East of England	Uttlesford	E07000077	63	12.44	10.26
East of England	Broxbourne	E07000095	64	39.90	29.37
East of England	Dacorum	E07000096	65	38.10	38.13
East of England	Hertsmere	E07000098	66	56.08	43.99
East of England	North Hertfordshire	E07000099	67	39.57	34.27
East of England	Three Rivers	E07000102	68	52.16	38.16
East of England	Watford	E07000103	69	30.84	30.50
East of England	Breckland	E07000143	70	0.00	0.00
East of England	Broadland	E07000144	71	1.67	2.37
East of England	Great Yarmouth	E07000145	72	0.00	0.00
	King's Lynn and West				
East of England	Norfolk	E07000146	73	0.00	0.00
East of England	North Norfolk	E07000147	74	0.00	0.00
East of England	Norwich	E07000148	75	5.72	4.44
East of England	South Norfolk	E07000149	76	0.00	0.04
East of England	Babergh	E07000200	77	1.34	1.29
East of England	Ipswich	E07000202	78	32.60	24.09
East of England	Mid Suffolk	E07000203	79	19.81	13.74
East of England	St Albans	E07000240	80	37.58	32.42
East of England	Welwyn Hatfield	E07000241	81	28.12	31.42
East of England	East Hertfordshire	E07000242	82	7.64	7.69
East of England	Stevenage	E07000243	83	22.52	19.26
East of England	East Suffolk	E07000244	84	1.62	1.00
East of England	West Suffolk	E07000245	85	0.00	0.00
London	City of London	E09000001	86	0.15	0.59
London	Barking and Dagenham	E09000002	87	38.77	28.72
London	Barnet	E09000003	88	28.07	27.60
London	Bexley	E09000004	89	22.26	19.30
London	Brent	E09000005	90	70.35	56.13
London	Bromley	E09000006	91	31.30	29.76
London	Camden	E09000007	92	68.06	51.99

London	Croydon	E09000008	93	49.19	39.37
London	Ealing	E09000009	94	47.56	41.02
London	Enfield	E09000010	95	38.23	29.13
London	Greenwich	E09000011	96	19.22	16.53
London	Hackney	E09000012	97	38.32	26.36
London	Hammersmith and Fulham	E09000013	98	22.30	13.54
London	Haringey	E09000014	99	36.48	29.28
London	Harrow	E09000015	100	31.38	27.52
London	Havering	E09000016	101	31.84	26.91
London	Hillingdon	E09000017	102	21.32	18.99
London	Hounslow	E09000018	103	18.45	16.15
London	Islington	E09000019	104	47.13	32.80
London	Kensington and Chelsea	E09000020	105	38.96	24.43
London	Kingston upon Thames	E09000021	106	29.48	28.74
London	Lambeth	E09000022	107	45.45	37.56
London	Lewisham	E09000023	108	54.22	43.42
London	Merton	E09000024	109	39.55	33.18
London	Newham	E09000025	110	49.31	35.11
London	Redbridge	E09000026	111	25.24	18.10
London	Richmond upon Thames	E09000027	112	44.17	34.45
London	Southwark	E09000028	113	36.09	36.96
London	Sutton	E09000029	114	13.28	15.34
London	Tower Hamlets	E09000030	115	54.98	47.98
London	Waltham Forest	E09000031	116	24.43	19.67
London	Wandsworth	E09000032	117	46.21	39.61
London	Westminster	E09000033	118	24.44	20.49
North East	Hartlepool	E06000001	119	0.00	0.00
North East	Middlesbrough	E06000002	120	0.21	0.82
North East	Redcar and Cleveland	E06000003	121	7.77	5.42
North East	Stockton-on-Tees	E06000004	122	8.59	7.64
North East	Darlington	E06000005	123	16.34	14.50
North East	County Durham	E06000047	124	8.87	6.89

North East	Northumberland	E06000057	125	3.87	3.33
North East	Newcastle upon Tyne	E08000021	126	11.58	7.86
North East	North Tyneside	E08000022	127	5.15	4.83
North East	South Tyneside	E08000023	128	7.02	8.25
North East	Sunderland	E08000024	129	2.79	3.33
North East	Gateshead	E08000037	130	12.51	11.66
North West	Halton	E06000006	131	32.21	25.86
North West	Warrington	E06000007	132	15.53	13.98
North West	Blackburn with Darwen	E06000008	133	7.57	8.56
North West	Blackpool	E06000009	134	5.75	4.87
North West	Cheshire East	E06000049	135	19.36	15.90
North West	Cheshire West and Chester	E06000050	136	10.04	8.04
North West	Allerdale	E07000026	137	0.00	0.00
North West	Barrow-in-Furness	E07000027	138	0.00	0.00
North West	Carlisle	E07000028	139	18.90	14.05
North West	Copeland	E07000029	140	0.00	0.00
North West	Eden	E07000030	141	56.86	35.67
North West	South Lakeland	E07000031	142	11.50	8.84
North West	Burnley	E07000117	143	0.27	1.33
North West	Chorley	E07000118	144	44.55	31.14
North West	Fylde	E07000119	145	11.07	11.05
North West	Hyndburn	E07000120	146	0.00	0.00
North West	Lancaster	E07000121	147	61.65	43.34
North West	Pendle	E07000122	148	0.86	2.72
North West	Preston	E07000123	149	31.67	23.24
North West	Ribble Valley	E07000124	150	0.40	1.00
North West	Rossendale	E07000125	151	0.00	0.00
North West	South Ribble	E07000126	152	33.45	25.88
North West	West Lancashire	E07000127	153	0.92	1.78
North West	Wyre	E07000128	154	15.06	10.07
North West	Bolton	E08000001	155	6.95	6.79
North West	Bury	E08000002	156	0.00	0.00

North West	Manchester	E08000003	157	17.79	17.78
North West	Oldham	E08000004	158	1.60	1.78
North West	Rochdale	E08000005	159	2.54	3.99
North West	Salford	E08000006	160	15.74	13.53
North West	Stockport	E08000007	161	20.19	18.59
North West	Tameside	E08000008	162	6.84	6.18
North West	Trafford	E08000009	163	10.19	8.55
North West	Wigan	E08000010	164	18.24	14.94
North West	Knowsley	E08000011	165	16.17	14.96
North West	Liverpool	E08000012	166	8.12	7.76
North West	St. Helens	E08000013	167	13.87	11.01
North West	Sefton	E08000014	168	6.69	8.36
North West	Wirral	E08000015	169	2.26	4.16
South East	Medway	E06000035	170	11.84	9.85
South East	Bracknell Forest	E06000036	171	5.18	4.70
South East	West Berkshire	E06000037	172	46.46	31.65
South East	Reading	E06000038	173	28.94	26.66
South East	Slough	E06000039	174	62.67	47.74
South East	Windsor and Maidenhead	E06000040	175	36.34	30.39
South East	Wokingham	E06000041	176	17.53	15.41
South East	Milton Keynes	E06000042	177	14.37	12.24
South East	Brighton and Hove	E06000043	178	10.67	11.49
South East	Portsmouth	E06000044	179	17.82	12.75
South East	Southampton	E06000045	180	17.11	15.01
South East	Isle of Wight	E06000046	181	0.00	0.00
South East	Buckinghamshire	E06000060	182	12.52	10.54
South East	Eastbourne	E07000061	183	7.52	7.29
South East	Hastings	E07000062	184	3.36	5.14
South East	Lewes	E07000063	185	2.10	2.34
South East	Rother	E07000064	186	9.47	8.03
South East	Wealden	E07000065	187	2.84	3.39
South East	Basingstoke and Deane	E07000084	188	23.58	17.91
South East	East Hampshire	E07000085	189	12.24	11.12

South East	Eastleigh	E07000086	190	16.12	11.56
South East	Fareham	E07000087	191	8.41	8.67
South East	Gosport	E07000088	192	0.00	0.00
South East	Hart	E07000089	193	11.37	12.06
South East	Havant	E07000090	194	8.14	7.24
South East	New Forest	E07000091	195	7.20	7.05
South East	Rushmoor	E07000092	196	18.54	18.63
South East	Test Valley	E07000093	197	3.27	2.24
South East	Winchester	E07000094	198	19.26	16.99
South East	Ashford	E07000105	199	5.23	6.15
South East	Canterbury	E07000106	200	5.25	4.86
South East	Dartford	E07000107	201	18.06	16.57
South East	Dover	E07000108	202	2.30	1.95
South East	Gravesham	E07000109	203	14.16	11.24
South East	Maidstone	E07000110	204	3.69	2.89
South East	Sevenoaks	E07000111	205	19.07	18.36
South East	Folkestone and Hythe	E07000112	206	15.70	12.43
South East	Swale	E07000113	207	20.70	16.02
South East	Thanet	E07000114	208	36.53	24.95
South East	Tonbridge and Malling	E07000115	209	11.29	8.87
South East	Tunbridge Wells	E07000116	210	12.41	11.30
South East	Cherwell	E07000177	211	20.28	14.90
South East	Oxford	E07000178	212	18.13	13.10
South East	South Oxfordshire	E07000179	213	30.73	25.04
South East	Vale of White Horse	E07000180	214	14.60	10.96
South East	West Oxfordshire	E07000181	215	1.53	0.94
South East	Elmbridge	E07000207	216	29.46	28.71
South East	Epsom and Ewell	E07000208	217	19.58	20.31
South East	Guildford	E07000209	218	17.41	21.10
South East	Mole Valley	E07000210	219	14.29	12.91
South East	Reigate and Banstead	E07000211	220	65.77	50.10
South East	Runnymede	E07000212	221	32.44	26.13
South East	Spelthorne	E07000213	222	16.97	13.54

South East	Surrey Heath	E07000214	223	7.07	9.00
South East	Tandridge	E07000215	224	14.77	17.55
South East	Waverley	E07000216	225	17.37	15.29
South East	Woking	E07000217	226	47.84	39.57
South East	Adur	E07000223	227	22.96	19.82
South East	Arun	E07000224	228	11.74	10.34
South East	Chichester	E07000225	229	10.16	9.11
South East	Crawley	E07000226	230	26.54	23.72
South East	Horsham	E07000227	231	9.44	10.15
South East	Mid Sussex	E07000228	232	13.39	14.56
South East	Worthing	E07000229	233	15.99	12.25
	Bath and North East				
South West	Somerset	E06000022	234	28.12	20.57
South West	Bristol, City of	E06000023	235	8.94	7.64
South West	North Somerset	E06000024	236	9.40	7.61
South West	South Gloucestershire	E06000025	237	9.30	8.79
South West	Plymouth	E06000026	238	18.01	15.14
South West	Torbay	E06000027	239	1.37	3.52
South West	Swindon	E06000030	240	20.12	15.08
South West	Cornwall	E06000052	241	0.06	0.08
South West	Isles of Scilly	E06000053	242	0.00	0.00
South West	Wiltshire	E06000054	243	8.12	5.83
	Bournemouth, Christchurch				
South West	and Poole	E06000058	244	7.20	6.69
South West	Dorset	E06000059	245	0.00	0.00
South West	East Devon	E07000040	246	1.97	1.54
South West	Exeter	E07000041	247	19.56	18.59
South West	Mid Devon	E07000042	248	2.06	3.95
South West	North Devon	E07000043	249	0.00	0.00
South West	South Hams	E07000044	250	0.00	0.00
South West	Teignbridge	E07000045	251	11.15	8.90
South West	Torrige	E07000046	252	0.00	0.00
South West	West Devon	E07000047	253	0.00	0.00

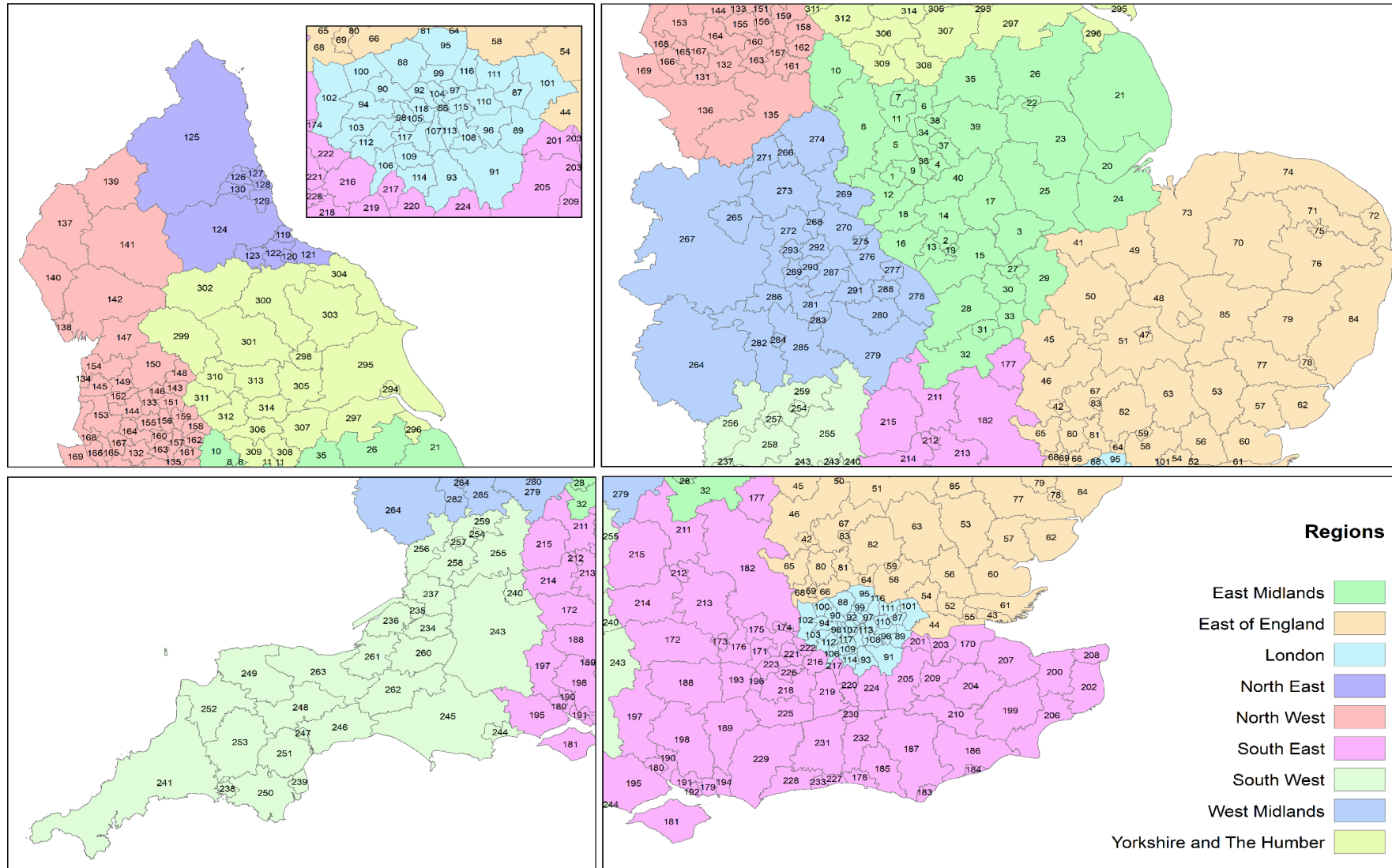


South West	Cheltenham	E07000078	254	24.33	15.52
South West	Cotswold	E07000079	255	0.00	0.00
South West	Forest of Dean	E07000080	256	0.00	0.00
South West	Gloucester	E07000081	257	29.65	23.32
South West	Stroud	E07000082	258	3.99	3.42
South West	Tewkesbury	E07000083	259	14.81	9.92
South West	Mendip	E07000187	260	2.41	1.70
South West	Sedgemoor	E07000188	261	10.50	9.60
South West	South Somerset	E07000189	262	0.00	0.00
	Somerset West and				
South West	Taunton	E07000246	263	9.08	9.35
West Midlands	Herefordshire, County of	E06000019	264	2.52	1.71
West Midlands	Telford and Wrekin	E06000020	265	1.55	2.11
West Midlands	Stoke-on-Trent	E06000021	266	0.74	1.95
West Midlands	Shropshire	E06000051	267	0.01	0.01
West Midlands	Cannock Chase	E07000192	268	0.89	1.38
West Midlands	East Staffordshire	E07000193	269	26.75	18.01
West Midlands	Lichfield	E07000194	270	29.29	24.64
West Midlands	Newcastle-under-Lyme	E07000195	271	6.95	5.94
West Midlands	South Staffordshire	E07000196	272	6.96	4.67
West Midlands	Stafford	E07000197	273	56.40	39.76
West Midlands	Staffordshire Moorlands	E07000198	274	0.00	0.24
West Midlands	Tamworth	E07000199	275	97.93	68.85
West Midlands	North Warwickshire	E07000218	276	76.93	53.46
West Midlands	Nuneaton and Bedworth	E07000219	277	43.01	33.08
West Midlands	Rugby	E07000220	278	32.43	31.65
West Midlands	Stratford-on-Avon	E07000221	279	0.50	0.69
West Midlands	Warwick	E07000222	280	35.76	24.93
West Midlands	Bromsgrove	E07000234	281	27.05	18.45
West Midlands	Malvern Hills	E07000235	282	0.00	0.02
West Midlands	Redditch	E07000236	283	0.00	0.00
West Midlands	Worcester	E07000237	284	7.34	4.80
West Midlands	Wychavon	E07000238	285	17.00	11.68

West Midlands	Wyre Forest	E07000239	286	10.50	7.47
West Midlands	Birmingham	E08000025	287	16.13	13.64
West Midlands	Coventry	E08000026	288	11.90	10.27
West Midlands	Dudley	E08000027	289	2.69	2.78
West Midlands	Sandwell	E08000028	290	10.28	10.05
West Midlands	Solihull	E08000029	291	28.02	20.66
West Midlands	Walsall	E08000030	292	6.24	4.97
West Midlands	Wolverhampton	E08000031	293	13.82	9.68
Yorkshire and The Humber	Kingston upon Hull, City of	E06000010	294	0.34	1.08
Yorkshire and The Humber	East Riding of Yorkshire	E06000011	295	1.56	2.10
Yorkshire and The Humber	North East Lincolnshire	E06000012	296	1.79	2.59
Yorkshire and The Humber	North Lincolnshire	E06000013	297	7.71	5.84
Yorkshire and The Humber	York	E06000014	298	19.39	16.74
Yorkshire and The Humber	Craven	E07000163	299	9.77	7.47
Yorkshire and The Humber	Hambleton	E07000164	300	19.11	14.89
Yorkshire and The Humber	Harrogate	E07000165	301	0.00	0.00
Yorkshire and The Humber	Richmondshire	E07000166	302	0.80	0.58
Yorkshire and The Humber	Ryedale	E07000167	303	0.00	0.00
Yorkshire and The Humber	Scarborough	E07000168	304	0.00	0.00
Yorkshire and The Humber	Selby	E07000169	305	13.34	10.98

Yorkshire and The Humber	Barnsley	E08000016	306	11.29	9.03
Yorkshire and The Humber	Doncaster	E08000017	307	18.01	15.67
Yorkshire and The Humber	Rotherham	E08000018	308	9.04	6.35
Yorkshire and The Humber	Sheffield	E08000019	309	3.24	3.42
Yorkshire and The Humber	Bradford	E08000032	310	4.75	4.70
Yorkshire and The Humber	Calderdale	E08000033	311	4.74	6.55
Yorkshire and The Humber	Kirklees	E08000034	312	4.06	4.46
Yorkshire and The Humber	Leeds	E08000035	313	8.69	8.59
Yorkshire and The Humber	Wakefield	E08000036	314	15.77	13.92

# Map of geo labels corresponding to Local Authority Districts



Source of map data: Local Authority District boundaries (2020) were sourced from the Office for National Statistics Open Geography portalx (ONS Geography 2021) licensed under the Open Government Licence v.3.0 (contains OS data © Crown copyright and database right 2022). The geographic boundaries for the United Kingdom, England, and Regions within England were sourced from the Ordnance Survey website (Contains OS data © Crown copyright and database right 2022) (Ordnance Survey 2022).

ONS Geography. Open Geography portalx: Local Authority Districts (May 2020) Boundaries UK BFE. 2021

Ordnance Survey. Boundary-Line data. 2022