

# Understanding excess child and adolescent mortality in the United Kingdom compared with the EU15+ countries

Supplementary Material 2 (Chapters 3 - 8)

## List of tables

<b>Table S1</b> Global Burden of Disease Mortality Hierarchy 2017 .....	4
<b>Table S2</b> Level 2 Garbage Code Redistribution.....	12
<b>Table S3</b> Level 3 and 4 Garbage Code Redistribution.....	25
Table S4 Mortality rate per 100,000 with uncertainty intervals in 1-4 year old males for 150 upper tier local authorities compared with England for all-causes and top 10 causes of death in 2017 .....	78
Table S5 Mortality rate per 100,000 with uncertainty intervals in 1-4 year old females for 150 upper tier local authorities compared with England for all-causes and top 10 causes of death in 2017 .....	81
Table S6 Mortality rate per 100,000 with uncertainty intervals in 5-9 year old males for 150 upper tier local authorities compared with England for all-causes and top 10 causes of death in 2017 .....	84
Table S7 Mortality rate per 100,000 with uncertainty intervals in 5-9 year old females for 150 upper tier local authorities compared with England for all-causes and top 10 causes of death in 2017 .....	87
Table S8 Mortality rate per 100,000 with uncertainty intervals in 10-14 year old males for 150 upper tier local authorities compared with England for all-causes and top 10 causes of death in 2017 .....	90
Table S9 Mortality rate per 100,000 with uncertainty intervals in 10-14 year old females for 150 upper tier local authorities compared with England for all-causes and top 10 causes of death in 2017 .....	93
Table S10 Mortality rate per 100,000 with uncertainty intervals in 15-19 year old males for 150 upper tier local authorities compared with England for all-causes and top 10 causes of death in 2017 .....	96
Table S11 Mortality rate per 100,000 with uncertainty intervals in 15-19 year old females for 150 upper tier local authorities compared with England for all-causes and top 10 causes of death in 2017 .....	99
Table S12 Mortality rate per 100,000 with uncertainty intervals in 20-24 year old males for 150 upper tier local authorities compared with England for all-causes and top 10 causes of death in 2017 .....	102
Table S13 Mortality rate per 100,000 with uncertainty intervals in 20-24 year old females for 150 upper tier local authorities compared with England for all-causes and top 10 causes of death in 2017 .....	105
Table S14 All causes rate per 100,000 population : England.....	123
Table S15 All causes rate per 1,000 population : IMD Quintile Category 1 (most deprived) .....	124
Table S16 All causes rate per 1,000 population : Quintile Category 5 (least deprived) .....	125
Table S17 Epilepsy rate per 100,000 population : England .....	126
Table S18 Epilepsy rate per 100,000 population : IMD Quintile Category 1 (most deprived).....	127

Table S19 Epilepsy rate per 100,000 population : Quintile Category 5 (least deprived) .....	128
Table S20 Diabetes mellitus rate per 100,000 population : England.....	129
Table S21 Diabetes mellitus rate per 100,000 population : IMD Quintile Category 1 (most deprived) .....	130
Table S22 Diabetes mellitus rate per 100,000 population : Quintile Category 5 (least deprived) .....	131
Table S23 Asthma rate per 100,000 population : England .....	132
Table S24 Asthma rate per 100,000 population : IMD Quintile Category 1 (most deprived).....	133
Table S25 Asthma rate per 100,000 population : Quintile Category 5 (least deprived) .....	134

## List of figures

Figure S1 Mortality rate per 100,000 and mortality rate quintile in 2017 within 150 English local authorities amongst 1 to 4 year olds (both sexes). (Greater London also shown separately) .....	108
Figure S2 Mortality rate per 100,000 and mortality rate quintile in 2017 within 150 English local authorities amongst 5 to 9 year olds (both sexes). (Greater London also shown separately) .....	109
Figure S3 Mortality rate per 100,000 and mortality rate quintile in 2017 within 150 English local authorities amongst 10 to 14 year olds (both sexes). (Greater London also shown separately) .....	110
Figure S4 Mortality rate per 100,000 and mortality rate quintile in 2017 within 150 English local authorities amongst 15 to 19 year olds (both sexes). (Greater London also shown separately) .....	111
Figure S5 Mortality rate per 100,000 and mortality rate quintile in 2017 within 150 English local authorities amongst 20 to 24 year olds (both sexes). (Greater London also shown separately) .....	112
Figure S6 All-cause mortality rate per 100,000 with upper and lower uncertainty bounds in 2017 in 1 to 4 year old males in UK countries, English regions and English local authorities compared with the EU15+ median. <sup>i</sup> .	113
Figure S7 All-cause mortality rate per 100,000 with upper and lower uncertainty bounds in 2017 in 1 to 4 year old females in UK countries, English regions and English local authorities compared with the EU15+ median. <sup>i</sup> .....	114
Figure S8 All-cause mortality rate per 100,000 with upper and lower uncertainty bounds in 2017 in 5 to 9 year old males in UK countries, English regions and English local authorities compared with the EU15+ median. <sup>i</sup> .	115
Figure S9 All-cause mortality rate per 100,000 with upper and lower uncertainty bounds in 2017 in 5 to 9 year old females in UK countries, English regions and English local authorities <sup>i</sup> compared with the EU15+ median. <sup>ii</sup> .....	116
Figure S10 All-cause mortality rate per 100,000 with upper and lower uncertainty bounds in 2017 in 10 to 14 year old males in UK countries, English regions and English local authorities compared with the EU15+ median. <sup>i</sup> .....	117
Figure S11 All-cause mortality rate per 100,000 with upper and lower uncertainty bounds in 2017 in 10 to 14 year old females in UK countries, English regions and English local authorities compared with the EU15+ median. <sup>i</sup> .....	118

Figure S12 All-cause mortality rate per 100,000 with upper and lower uncertainty bounds in 2017 in 15 to 19 year old males in UK countries, English regions and English local authorities compared with the EU15+ median. <sup>i</sup>	119
Figure S13 All-cause mortality rate per 100,000 with upper and lower uncertainty bounds in 2017 in 15 to 19 year old females in UK countries, English regions and English local authorities compared with the EU15+ median. <sup>i</sup>	120
Figure S14 All-cause mortality rate per 100,000 with upper and lower uncertainty bounds in 2017 in 20 to 24 year old males in UK countries, English regions and English local authorities compared with the EU15+ median. <sup>i</sup>	121
Figure S15 All-cause mortality rate per 100,000 with upper and lower uncertainty bounds in 2017 in 20 to 24 year old females in UK countries, English regions and English local authorities compared with the EU15+ median. <sup>i</sup>	122

## Global Burden of Disease Tables

**Table S1** Global Burden of Disease Mortality Hierarchy 2017

Cause	Level	Cause Outline
All causes		
Communicable, maternal, neonatal, and nutritional diseases	1	A
HIV/AIDS and tuberculosis	2	A.1
Tuberculosis	3	A.1.1
Drug-susceptible tuberculosis	4	A.1.1.1
Multidrug-resistant tuberculosis without extensive drug resistance	4	A.1.1.2
Extensively drug-resistant tuberculosis	4	A.1.1.3
Latent tuberculosis infection	4	A.1.1.4
HIV/AIDS	3	A.1.2
Drug-susceptible HIV/AIDS - Tuberculosis	4	A.1.2.1
Multidrug-resistant HIV/AIDS - Tuberculosis without extensive drug resistance	4	A.1.2.2
Extensively drug-resistant HIV/AIDS - Tuberculosis	4	A.1.2.3
HIV/AIDS resulting in other diseases	4	A.1.2.4
Diarrhea, lower respiratory, and other common infectious diseases	2	A.2
Diarrheal diseases	3	A.2.1
Intestinal infectious diseases	3	A.2.2
Typhoid fever	4	A.2.2.1
Paratyphoid fever	4	A.2.2.2
Other intestinal infectious diseases	4	A.2.2.3
Lower respiratory infections	3	A.2.3
Upper respiratory infections	3	A.2.4
Otitis media	3	A.2.5
Meningitis	3	A.2.6
Pneumococcal meningitis	4	A.2.6.1
H influenzae type B meningitis	4	A.2.6.2
Meningococcal meningitis	4	A.2.6.3
Other meningitis	4	A.2.6.4
Encephalitis	3	A.2.7
Diphtheria	3	A.2.8
Whooping cough	3	A.2.9
Tetanus	3	A.2.10
Measles	3	A.2.11
Varicella and herpes zoster	3	A.2.12
Neglected tropical diseases and malaria	2	A.3
Malaria	3	A.3.1
Chagas disease	3	A.3.2
Leishmaniasis	3	A.3.3
Visceral leishmaniasis	4	A.3.3.1
Cutaneous and mucocutaneous leishmaniasis	4	A.3.3.2
African trypanosomiasis	3	A.3.4
Schistosomiasis	3	A.3.5



Cysticercosis	3	A.3.6
Cystic echinococcosis	3	A.3.7
Lymphatic filariasis	3	A.3.8
Onchocerciasis	3	A.3.9
Trachoma	3	A.3.10
Dengue	3	A.3.11
Yellow fever	3	A.3.12
Rabies	3	A.3.13
Intestinal nematode infections	3	A.3.14
Ascariasis	4	A.3.14.1
Trichuriasis	4	A.3.14.2
Hookworm disease	4	A.3.14.3
Food-borne trematodiasis	3	A.3.15
Leprosy	3	A.3.16
Ebola	3	A.3.17
Zika virus	3	A.3.18
Guinea worm disease	3	A.3.19
Other neglected tropical diseases	3	A.3.20
<b>Maternal disorders</b>	<b>2</b>	<b>A.4</b>
Maternal hemorrhage	3	A.4.1
Maternal sepsis and other maternal infections	3	A.4.2
Maternal hypertensive disorders	3	A.4.3
Maternal obstructed labor and uterine rupture	3	A.4.4
Maternal abortion, miscarriage, and ectopic pregnancy	3	A.4.5
Indirect maternal deaths	3	A.4.6
Late maternal deaths	3	A.4.7
Maternal deaths aggravated by HIV/AIDS	3	A.4.8
Other maternal disorders	3	A.4.9
<b>Neonatal disorders</b>	<b>2</b>	<b>A.5</b>
Neonatal preterm birth complications	3	A.5.1
Neonatal encephalopathy due to birth asphyxia and trauma	3	A.5.2
Neonatal sepsis and other neonatal infections	3	A.5.3
Hemolytic disease and other neonatal jaundice	3	A.5.4
Other neonatal disorders	3	A.5.5
<b>Nutritional deficiencies</b>	<b>2</b>	<b>A.6</b>
Protein-energy malnutrition	3	A.6.1
Iodine deficiency	3	A.6.2
Vitamin A deficiency	3	A.6.3
Iron-deficiency anemia	3	A.6.4
Other nutritional deficiencies	3	A.6.5
<b>Other communicable, maternal, neonatal, and nutritional diseases</b>	<b>2</b>	<b>A.7</b>
Sexually transmitted diseases excluding HIV	3	A.7.1
Syphilis	4	A.7.1.1
Chlamydial infection	4	A.7.1.2
Gonococcal infection	4	A.7.1.3
Trichomoniasis	4	A.7.1.4
Genital herpes	4	A.7.1.5

Other sexually transmitted diseases	4	A.7.1.6
Hepatitis	3	A.7.2
Acute hepatitis A	4	A.7.2.1
Hepatitis B	4	A.7.2.2
Hepatitis C	4	A.7.2.3
Acute hepatitis E	4	A.7.2.4
Other infectious diseases	3	A.7.3
<b>Non-communicable diseases</b>	<b>1</b>	<b>B</b>
<b>Neoplasms</b>	<b>2</b>	<b>B.1</b>
Lip and oral cavity cancer	3	B.1.1
Nasopharynx cancer	3	B.1.2
Other pharynx cancer	3	B.1.3
Esophageal cancer	3	B.1.4
Stomach cancer	3	B.1.5
Colon and rectum cancer	3	B.1.6
Liver cancer	3	B.1.7
Liver cancer due to hepatitis B	4	B.1.7.1
Liver cancer due to hepatitis C	4	B.1.7.2
Liver cancer due to alcohol use	4	B.1.7.3
Liver cancer due to other causes	4	B.1.7.4
Gallbladder and biliary tract cancer	3	B.1.8
Pancreatic cancer	3	B.1.9
Larynx cancer	3	B.1.10
Tracheal, bronchus, and lung cancer	3	B.1.11
Malignant skin melanoma	3	B.1.12
Non-melanoma skin cancer	3	B.1.13
Non-melanoma skin cancer (squamous-cell carcinoma)	4	B.1.13.1
Non-melanoma skin cancer (basal-cell carcinoma)	4	B.1.13.2
Breast cancer	3	B.1.14
Cervical cancer	3	B.1.15
Uterine cancer	3	B.1.16
Ovarian cancer	3	B.1.17
Prostate cancer	3	B.1.18
Testicular cancer	3	B.1.19
Kidney cancer	3	B.1.20
Bladder cancer	3	B.1.21
Brain and nervous system cancer	3	B.1.22
Thyroid cancer	3	B.1.23
Mesothelioma	3	B.1.24
Hodgkin lymphoma	3	B.1.25
Non-Hodgkin lymphoma	3	B.1.26
Multiple myeloma	3	B.1.27
Leukemia	3	B.1.28
Acute lymphoid leukemia	4	B.1.28.1
Chronic lymphoid leukemia	4	B.1.28.2
Acute myeloid leukemia	4	B.1.28.3
Chronic myeloid leukemia	4	B.1.28.4

Other leukemia	4	B.1.28.5
Other neoplasms	3	B.1.29
Cardiovascular diseases	2	B.2
Rheumatic heart disease	3	B.2.1
Ischemic heart disease	3	B.2.2
Cerebrovascular disease	3	B.2.3
Ischemic stroke	4	B.2.3.1
Hemorrhagic stroke	4	B.2.3.2
Hypertensive heart disease	3	B.2.4
Cardiomyopathy and myocarditis	3	B.2.5
Myocarditis	4	B.2.5.1
Alcoholic cardiomyopathy	4	B.2.5.2
Other cardiomyopathy	4	B.2.5.3
Atrial fibrillation and flutter	3	B.2.6
Aortic aneurysm	3	B.2.7
Peripheral artery disease	3	B.2.8
Endocarditis	3	B.2.9
Other cardiovascular and circulatory diseases	3	B.2.10
Chronic respiratory diseases	2	B.3
Chronic obstructive pulmonary disease	3	B.3.1
Pneumoconiosis	3	B.3.2
Silicosis	4	B.3.2.1
Asbestosis	4	B.3.2.2
Coal workers pneumoconiosis	4	B.3.2.3
Other pneumoconiosis	4	B.3.2.4
Asthma	3	B.3.3
Interstitial lung disease and pulmonary sarcoidosis	3	B.3.4
Other chronic respiratory diseases	3	B.3.5
Cirrhosis and other chronic liver diseases	2	B.4
Cirrhosis and other chronic liver diseases due to hepatitis B	3	B.4.1
Cirrhosis and other chronic liver diseases due to hepatitis C	3	B.4.2
Cirrhosis and other chronic liver diseases due to alcohol use	3	B.4.3
Cirrhosis and other chronic liver diseases due to other causes	3	B.4.4
Digestive diseases	2	B.5
Peptic ulcer disease	3	B.5.1
Gastritis and duodenitis	3	B.5.2
Appendicitis	3	B.5.3
Paralytic ileus and intestinal obstruction	3	B.5.4
Inguinal, femoral, and abdominal hernia	3	B.5.5
Inflammatory bowel disease	3	B.5.6
Vascular intestinal disorders	3	B.5.7
Gallbladder and biliary diseases	3	B.5.8
Pancreatitis	3	B.5.9
Other digestive diseases	3	B.5.10
Neurological disorders	2	B.6
Alzheimer disease and other dementias	3	B.6.1
Parkinson disease	3	B.6.2

Epilepsy	3	B.6.3
Multiple sclerosis	3	B.6.4
Motor neuron disease	3	B.6.5
Migraine	3	B.6.6
Tension-type headache	3	B.6.7
Other neurological disorders	3	B.6.8
Mental and substance use disorders	2	B.7
Schizophrenia	3	B.7.1
Alcohol use disorders	3	B.7.2
Drug use disorders	3	B.7.3
Opioid use disorders	4	B.7.3.1
Cocaine use disorders	4	B.7.3.2
Amphetamine use disorders	4	B.7.3.3
Cannabis use disorders	4	B.7.3.4
Other drug use disorders	4	B.7.3.5
Depressive disorders	3	B.7.4
Major depressive disorder	4	B.7.4.1
Dysthymia	4	B.7.4.2
Bipolar disorder	3	B.7.5
Anxiety disorders	3	B.7.6
Eating disorders	3	B.7.7
Anorexia nervosa	4	B.7.7.1
Bulimia nervosa	4	B.7.7.2
Autistic spectrum disorders	3	B.7.8
Autism	4	B.7.8.1
Asperger syndrome and other autistic spectrum disorders	4	B.7.8.2
Attention-deficit/hyperactivity disorder	3	B.7.9
Conduct disorder	3	B.7.10
Idiopathic developmental intellectual disability	3	B.7.11
Other mental and substance use disorders	3	B.7.12
Diabetes, urogenital, blood, and endocrine diseases	2	B.8
Diabetes mellitus	3	B.8.1
Acute glomerulonephritis	3	B.8.2
Chronic kidney disease	3	B.8.3
Chronic kidney disease due to diabetes mellitus	4	B.8.3.1
Chronic kidney disease due to hypertension	4	B.8.3.2
Chronic kidney disease due to glomerulonephritis	4	B.8.3.3
Chronic kidney disease due to other causes	4	B.8.3.4
Urinary diseases and male infertility	3	B.8.4
Interstitial nephritis and urinary tract infections	4	B.8.4.1
Urolithiasis	4	B.8.4.2
Benign prostatic hyperplasia	4	B.8.4.3
Male infertility	4	B.8.4.4
Other urinary diseases	4	B.8.4.5
Gynecological diseases	3	B.8.5
Uterine fibroids	4	B.8.5.1
Polycystic ovarian syndrome	4	B.8.5.2

Female infertility	4	B.8.5.3
Endometriosis	4	B.8.5.4
Genital prolapse	4	B.8.5.5
Premenstrual syndrome	4	B.8.5.6
Other gynecological diseases	4	B.8.5.7
Hemoglobinopathies and hemolytic anemias	3	B.8.6
Thalassemias	4	B.8.6.1
Thalassemias trait	4	B.8.6.2
Sickle cell disorders	4	B.8.6.3
Sickle cell trait	4	B.8.6.4
G6PD deficiency	4	B.8.6.5
G6PD trait	4	B.8.6.6
Other hemoglobinopathies and hemolytic anemias	4	B.8.6.7
Endocrine, metabolic, blood, and immune disorders	3	B.8.7
Musculoskeletal disorders	2	B.9
Rheumatoid arthritis	3	B.9.1
Osteoarthritis	3	B.9.2
Low back and neck pain	3	B.9.3
Low back pain	4	B.9.3.1
Neck pain	4	B.9.3.2
Gout	3	B.9.4
Other musculoskeletal disorders	3	B.9.5
Other non-communicable diseases	2	B.10
Congenital birth defects	3	B.10.1
Neural tube defects	4	B.10.1.1
Congenital heart anomalies	4	B.10.1.2
Orofacial clefts	4	B.10.1.3
Down syndrome	4	B.10.1.4
Turner syndrome	4	B.10.1.5
Klinefelter syndrome	4	B.10.1.6
Other chromosomal abnormalities	4	B.10.1.7
Congenital musculoskeletal and limb anomalies	4	B.10.1.8
Urogenital congenital anomalies	4	B.10.1.9
Digestive congenital anomalies	4	B.10.1.10
Other congenital birth defects	4	B.10.1.11
Skin and subcutaneous diseases	3	B.10.2
Dermatitis	4	B.10.2.1
Psoriasis	4	B.10.2.2
Cellulitis	4	B.10.2.3
Pyoderma	4	B.10.2.4
Scabies	4	B.10.2.5
Fungal skin diseases	4	B.10.2.6
Viral skin diseases	4	B.10.2.7
Acne vulgaris	4	B.10.2.8
Alopecia areata	4	B.10.2.9
Pruritus	4	B.10.2.10
Urticaria	4	B.10.2.11

Decubitus ulcer	4	B.10.2.12
Other skin and subcutaneous diseases	4	B.10.2.13
Sense organ diseases	3	B.10.3
Glaucoma	4	B.10.3.1
Cataract	4	B.10.3.2
Macular degeneration	4	B.10.3.3
Refraction and accommodation disorders	4	B.10.3.4
Age-related and other hearing loss	4	B.10.3.5
Other vision loss	4	B.10.3.6
Other sense organ diseases	4	B.10.3.7
Oral disorders	3	B.10.4
Caries of deciduous teeth	4	B.10.4.1
Caries of permanent teeth	4	B.10.4.2
Periodontal diseases	4	B.10.4.3
Edentulism and severe tooth loss	4	B.10.4.4
Other oral disorders	4	B.10.4.5
Sudden infant death syndrome	3	B.10.5
<b>Injuries</b>	<b>1</b>	<b>C</b>
<b>Transport injuries</b>	<b>2</b>	<b>C.1</b>
Road injuries	3	C.1.1
Pedestrian road injuries	4	C.1.1.1
Cyclist road injuries	4	C.1.1.2
Motorcyclist road injuries	4	C.1.1.3
Motor vehicle road injuries	4	C.1.1.4
Other road injuries	4	C.1.1.5
Other transport injuries	3	C.1.2
<b>Unintentional injuries</b>	<b>2</b>	<b>C.2</b>
Falls	3	C.2.1
Drowning	3	C.2.2
Fire, heat, and hot substances	3	C.2.3
Poisonings	3	C.2.4
Exposure to mechanical forces	3	C.2.5
Unintentional firearm injuries	4	C.2.5.1
Unintentional suffocation	4	C.2.5.2
Other exposure to mechanical forces	4	C.2.5.3
Adverse effects of medical treatment	3	C.2.6
Animal contact	3	C.2.7
Venomous animal contact	4	C.2.7.1
Non-venomous animal contact	4	C.2.7.2
Foreign body	3	C.2.8
Pulmonary aspiration and foreign body in airway	4	C.2.8.1
Foreign body in eyes	4	C.2.8.2
Foreign body in other body part	4	C.2.8.3
Environmental heat and cold exposure	3	C.2.9
Other unintentional injuries	3	C.2.10
<b>Self-harm and interpersonal violence</b>	<b>2</b>	<b>C.3</b>
Self-harm	3	C.3.1

Self-harm by firearm	4	C.3.1.1
Self-harm by other specified means	4	C.3.1.2
Interpersonal violence	3	C.3.2
Physical violence by firearm	4	C.3.2.1
Physical violence by sharp object	4	C.3.2.2
Sexual violence	4	C.3.2.3
Physical violence by other means	4	C.3.2.4
Forces of nature, conflict and terrorism, and executions and police conflict	2	C.4
Exposure to forces of nature	3	C.4.1
Conflict and terrorism	3	C.4.3
Executions and police conflict	3	C.4.2

### Garbage code redistribution methods

Level 1 garbage codes were defined as deaths unable to be assigned level 1 GBD category. I redistributed these deaths proportionately within each country year sex and age group *across all causes*. Level 2 garbage codes were defined as causes of death where level 1 GBD category could be determined, but not level 2 category (e.g unspecified injuries). I assigned these deaths a level 1 GBD category. These deaths were then redistributed within each country year sex and age group and level 1 GBD category. For level 3 garbage codes, (deaths where a level 2 category could be determined, but level 3 was unknown) and level 4 (deaths where a level 3 category could be determined, but level 4 was unknown), I assigned each cause a level 1 and level 2 GBD category. These deaths were then proportionately redistributed within each country, year, sex, age group, level 1 and level 2 category.

Where there were no appropriately coded deaths within a level 2 category for a country year sex age-group, I redistributed level 3 and 4 garbage codes within their level 1 category only. Where there were no appropriately coded deaths within a level 1 category for a country year sex age group, garbage codes were proportionately redistributed across all causes. Where there were no deaths in *any* cause group for a country year sex age-group, we were unable to use proportional redistribution, and these deaths were excluded (n=9).

**Table S2** Level 2 Garbage Code Redistribution

Garbage Code	ICD 10 Definition	Level1 Redistribution Target
A14.9		Communicable, maternal, neonatal, and nutritional diseases
A29		Communicable, maternal, neonatal, and nutritional diseases
A45-A45.9		Communicable, maternal, neonatal, and nutritional diseases
A47-A48	A48 Other bacterial diseases, not elsewhere classified Excludes: actinomycetoma ( B47.1 )	Communicable, maternal, neonatal, and nutritional diseases
A48.8-A49	A48.8 Other specified bacterial diseases A49 Bacterial infection of unspecified site Excludes: bacterial agents as the cause of diseases classified to other chapters ( B95-B96 ) chlamydial infection NOS ( A74.9 ) meningococcal infection NOS ( A39.9 ) rickettsial infection NOS ( A79.9 ) spirochaetal infection NOS ( A69.9 )	Communicable, maternal, neonatal, and nutritional diseases
A49.3-A49.9	A49.3 Mycoplasma infection, unspecified A49.8 Other bacterial infections of unspecified site A49.9 Bacterial infection, unspecified Bacteraemia NOS	Communicable, maternal, neonatal, and nutritional diseases
A61-A62		Communicable, maternal, neonatal, and nutritional diseases
A72-A73		Communicable, maternal, neonatal, and nutritional diseases
A76		Communicable, maternal, neonatal, and nutritional diseases
A97		Communicable, maternal, neonatal, and nutritional diseases



B08-B09	<p>B08 Other viral infections characterized by skin and mucous membrane lesions, not elsewhere classified</p> <p>Excludes: vesicular stomatitis virus disease ( A93.8 )</p> <p>B08.0 Other orthopoxvirus infections</p> <p>Cowpox</p> <p>Orf virus disease</p> <p>Pseudocowpox [milker's node]</p> <p>Vaccinia</p> <p>Excludes: monkeypox ( B04 )</p> <p>B08.1 Molluscum contagiosum</p> <p>B08.2 Exanthema subitum [sixth disease]</p> <p>B08.3 Erythema infectiosum [fifth disease]</p> <p>B08.4 Enteroviral vesicular stomatitis with exanthem</p> <p>Hand, foot and mouth disease</p> <p>B08.5 Enteroviral vesicular pharyngitis</p> <p>Herpangina</p> <p>B08.8 Other specified viral infections characterized by skin and mucous membrane lesions</p> <p>Enteroviral lymphonodular pharyngitis</p> <p>Foot-and-mouth disease</p> <p>Tanapox virus disease</p> <p>Yaba pox virus disease</p> <p>B09 Unspecified viral infection characterized by skin and mucous membrane lesions</p> <p>Viral:</p> <ul style="list-style-type: none"> <li>· enanthema NOS</li> <li>· exanthema NOS</li> </ul>	Communicable, maternal, neonatal, and nutritional diseases
B11-B14		Communicable, maternal, neonatal, and nutritional diseases
B28-B29		Communicable, maternal, neonatal, and nutritional diseases
B31-B32.4		Communicable, maternal, neonatal, and nutritional diseases

B34-B34.9	<p>B34 Viral infection of unspecified site  Excludes: cytomegaloviral disease NOS ( B25.9 )  herpesvirus [herpes simplex] infection NOS ( B00.9 )  retrovirus infection NOS ( B33.3 )  viral agents as the cause of diseases classified to other chapters ( B97.- )</p> <p>B34.0 Adenovirus infection, unspecified  B34.1 Enterovirus infection, unspecified  Coxsackievirus infection NOS  Echovirus infection NOS  B34.2 Coronavirus infection, unspecified  B34.3 Parvovirus infection, unspecified  B34.4 Papovavirus infection, unspecified  B34.8 Other viral infections of unspecified site  B34.9 Viral infection, unspecified  Viraemia NOS</p>	Communicable, maternal, neonatal, and nutritional diseases
B61-B62		Communicable, maternal, neonatal, and nutritional diseases
B68-B68.9	<p>B68 Taeniasis  Excludes: cysticercosis ( B69.- )  B68.0 Taenia solium taeniasis  Pork tapeworm (infection)  B68.1 Taenia saginata taeniasis  Beef tapeworm (infection)  Infection due to adult tapeworm Taenia saginata  B68.9 Taeniasis, unspecified</p>	Communicable, maternal, neonatal, and nutritional diseases
B73-B74.2	<p>B73 Onchocerciasis  Onchocerca volvulus infection  Onchocercosis  River blindness  B74 Filariasis  Excludes: onchocerciasis ( B73 )  tropical (pulmonary) eosinophilia NOS ( J82 )  B74.0 Filariasis due to Wuchereria bancrofti  Bancroftian:  · elephantiasis  · filariasis  B74.1 Filariasis due to Brugia malayi  B74.2 Filariasis due to Brugia timori</p>	Communicable, maternal, neonatal, and nutritional diseases
B76-B76.9	<p>B76 Hookworm diseases  Includes: uncinariasis  B76.0 Ancylostomiasis  Infection due to Ancylostoma species  B76.1 Necatoriasis  Infection due to Necator americanus</p>	Communicable, maternal, neonatal, and nutritional diseases

	B76.8 Other hookworm diseases B76.9 Hookworm disease, unspecified Cutaneous larva migrans NOS	
B78-B81.8	B78 Strongyloidiasis Excludes: trichostrongyliasis ( B81.2 ) B78.0 Intestinal strongyloidiasis B78.1 Cutaneous strongyloidiasis B78.7 Disseminated strongyloidiasis B78.9 Strongyloidiasis, unspecified B79 Trichuriasis Trichocephaliasis Whipworm (disease)(infection) B80 Enterobiasis Oxyuriasis Pinworm infection Threadworm infection B81 Other intestinal helminthiasis, not elsewhere classified Excludes: angiostrongyliasis due to Parastrongylus cantonensis ( B83.2 ) B81.0 Anisakiasis Infection due to Anisakis larvae B81.1 Intestinal capillariasis Capillariasis NOS Infection due to Capillaria philippinensis Excludes: hepatic capillariasis ( B83.8 ) B81.2 Trichostrongyliasis B81.3 Intestinal angiostrongyliasis Angiostrongyliasis due to Parastrongylus costaricensis B81.4 Mixed intestinal helminthiasis Infection due to intestinal helminths classifiable to more than one of the categories B65.0-B81.3 and B81.8 Mixed helminthiasis NOS B81.8 Other specified intestinal helminthiasis Infection due to: · Oesophagostomum species [oesophagostomiasis] · Ternidens diminutus [ternidensiasis]	Communicable, maternal, neonatal, and nutritional diseases
B84		Communicable, maternal, neonatal, and nutritional diseases
B93-B94	B94 Sequelae of other and unspecified infectious and parasitic diseases	Communicable, maternal, neonatal, and nutritional diseases
B94.8-B94.9	B94.8 Sequelae of other specified infectious and parasitic diseases B94.9 Sequelae of unspecified infectious or parasitic disease	Communicable, maternal, neonatal, and nutritional diseases

B95.6-B97.3	<p>B95.6 Staphylococcus aureus as the cause of diseases classified to other chapters</p> <p>B95.7 Other staphylococcus as the cause of diseases classified to other chapters</p> <p>B95.8 Unspecified staphylococcus as the cause of diseases classified to other chapters</p> <p>B96 Other bacterial agents as the cause of diseases classified to other chapters</p> <p>B96.0 Mycoplasma pneumoniae [M. pneumoniae] as the cause of diseases classified to other chapters</p> <p>Pleuro-pneumonia-like-organism [PPLO]</p> <p>B96.1 Klebsiella pneumoniae [K. pneumoniae] as the cause of diseases classified to other chapters</p> <p>B96.2 Escherichia coli [E. coli] as the cause of diseases classified to other chapters</p> <p>B96.3 Haemophilus influenzae [H. influenzae] as the cause of diseases classified to other chapters</p> <p>B96.4 Proteus (mirabilis)(morganii) as the cause of diseases classified to other chapters</p> <p>B96.5 Pseudomonas (aeruginosa)(mallei)(pseudomallei) as the cause of diseases classified to other chapters</p> <p>B96.6 Bacillus fragilis [B. fragilis] as the cause of diseases classified to other chapters</p> <p>B96.7 Clostridium perfringens [C. perfringens] as the cause of diseases classified to other chapters</p> <p>B96.8 Other specified bacterial agents as the cause of diseases classified to other chapters</p> <p>B97 Viral agents as the cause of diseases classified to other chapters</p> <p>B97.0 Adenovirus as the cause of diseases classified to other chapters</p> <p>B97.1 Enterovirus as the cause of diseases classified to other chapters</p> <p>Coxsackievirus</p> <p>Echovirus</p> <p>B97.2 Coronavirus as the cause of diseases classified to other chapters</p> <p>B97.3 Retrovirus as the cause of diseases classified to other chapters</p> <p>Lentivirus</p> <p>Oncovirus</p>	Communicable, maternal, neonatal, and nutritional diseases
B97.7-B99.9	<p>B97.7 Papillomavirus as the cause of diseases classified to other chapters</p> <p>B97.8 Other viral agents as the cause of diseases classified to other chapters</p> <p>B99 Other and unspecified infectious diseases</p>	Communicable, maternal, neonatal, and nutritional diseases
N70-N71.9	<p>N70 Salpingitis and oophoritis</p> <p>Includes: abscess (of):</p> <ul style="list-style-type: none"> <li>· fallopian tube</li> <li>· ovary</li> <li>· tubo-ovarian</li> </ul> <p>pyosalpinx</p> <p>salpingo-oophoritis</p> <p>tubo-ovarian inflammatory disease</p> <p>Use additional code (B95-B97), if desired, to identify infectious agent.</p> <p>N70.0 Acute salpingitis and oophoritis</p> <p>N70.1 Chronic salpingitis and oophoritis</p> <p>Hydrosalpinx</p> <p>N70.9 Salpingitis and oophoritis, unspecified</p>	Communicable, maternal, neonatal, and nutritional diseases

	<p>N71 Inflammatory disease of uterus, except cervix Includes: endo(myo)metritis metritis myometritis pyometra uterine abscess Use additional code (B95-B97), if desired, to identify infectious agent. N71.0 Acute inflammatory disease of uterus N71.1 Chronic inflammatory disease of uterus N71.9 Inflammatory disease of uterus, unspecified</p>	
N73-N74.0	<p>N73 Other female pelvic inflammatory diseases Use additional code (B95-B97), if desired, to identify infectious agent. N73.0 Acute parametritis and pelvic cellulitis Abscess of: · broad ligament · parametrium Pelvic cellulitis, female } } } } specified as acute N73.1 Chronic parametritis and pelvic cellulitis Any condition in N73.0 specified as chronic N73.2 Unspecified parametritis and pelvic cellulitis Any condition in N73.0 unspecified whether acute or chronic N73.3 Female acute pelvic peritonitis N73.4 Female chronic pelvic peritonitis N73.5 Female pelvic peritonitis, unspecified N73.6 Female pelvic peritoneal adhesions Excludes: postprocedural pelvic peritoneal adhesions ( N99.4 ) N73.8 Other specified female pelvic inflammatory diseases N73.9 Female pelvic inflammatory disease, unspecified Female pelvic infection or inflammation NOS N74* Female pelvic inflammatory disorders in diseases classified elsewhere N74.0* Tuberculous infection of cervix uteri ( A18.1+ )</p>	Communicable, maternal, neonatal, and nutritional diseases
N74.3-N74.8	<p>N74.3* Female gonococcal pelvic inflammatory disease ( A54.2+ ) N74.4* Female chlamydial pelvic inflammatory disease ( A56.1+ ) N74.8* Female pelvic inflammatory disorders in other diseases classified elsewhere</p>	Communicable, maternal, neonatal, and nutritional diseases
D59	D59 Acquired haemolytic anaemia	Non-communicable diseases
D59.4	<p>D59.4 Other nonautoimmune haemolytic anaemias Haemolytic anaemia: · mechanical · microangiopathic</p>	Non-communicable diseases

	<ul style="list-style-type: none"> <li>· toxic</li> </ul> Use additional external cause code (Chapter XX), if desired, to identify cause.	
D59.8-D59.9	D59.8 Other acquired haemolytic anaemias D59.9 Acquired haemolytic anaemia, unspecified Idiopathic haemolytic anaemia, chronic	Non-communicable diseases
G93.0	G93.0 Cerebral cysts Arachnoid cyst Porencephalic cyst, acquired Excludes: acquired periventricular cysts of newborn ( P91.1 ) congenital cerebral cysts ( Q04.6 )	Non-communicable diseases
G93.3	G93.3 Postviral fatigue syndrome Benign myalgic encephalomyelitis	Non-communicable diseases
I10-I10.9	I10 Essential (primary) hypertension High blood pressure Hypertension (arterial)(benign)(essential)(malignant)(primary)(systemic) Excludes: involving vessels of: · brain ( I60-I69 ) · eye ( H35.0 )	Non-communicable diseases
I15-I15.9	I15 Secondary hypertension Excludes: involving vessels of: · brain ( I60-I69 ) · eye ( H35.0 ) I15.0 Renovascular hypertension I15.1 Hypertension secondary to other renal disorders I15.2 Hypertension secondary to endocrine disorders I15.8 Other secondary hypertension I15.9 Secondary hypertension, unspecified	Non-communicable diseases
I27-I27.0	I27 Other pulmonary heart diseases I27.0 Primary pulmonary hypertension Pulmonary (artery) hypertension (idiopathic)(primary)	Non-communicable diseases
I27.2-I27.9	I27.2 Other secondary pulmonary hypertension Use additional code, if desired, to identify the underlying disease I27.8 Other specified pulmonary heart diseases I27.9 Pulmonary heart disease, unspecified Chronic cardiopulmonary disease Cor pulmonale (chronic) NOS	Non-communicable diseases
I28.9	I28.9 Disease of pulmonary vessels, unspecified	Non-communicable diseases

I70-I70.1	<p>I70 Atherosclerosis Includes: arteriolosclerosis arteriosclerosis arteriosclerotic vascular disease atheroma degeneration: · arterial · arteriovascular · vascular endarteritis deformans or obliterans senile: · arteritis · endarteritis Excludes: cerebral ( I67.2 ) coronary ( I25.1 ) mesenteric ( K55.1 ) pulmonary ( I27.0 ) I70.0 Atherosclerosis of aorta I70.1 Atherosclerosis of renal artery Goldblatt's kidney Excludes: atherosclerosis of renal arterioles ( I12.- )</p>	Non-communicable diseases
I70.9	I70.9 Generalized and unspecified atherosclerosis	Non-communicable diseases
I74-I75.8	<p>I74 Arterial embolism and thrombosis Includes: infarction: · embolic · thrombotic occlusion: · embolic · thrombotic Excludes: embolism and thrombosis: · basilar ( I63.0-I63.2 , I65.1 ) · carotid ( I63.0-I63.2 , I65.2 ) · cerebral ( I63.3-I63.5 , I66.9 ) · complicating: · abortion or ectopic or molar pregnancy ( O00-O07 , O08.2 ) · pregnancy, childbirth and the puerperium ( O88.- ) · coronary ( I21-I25 ) · mesenteric ( K55.0 ) · precerebral ( I63.0-I63.2 , I65.9 ) · pulmonary ( I26.- ) · renal ( N28.0 ) · retinal ( H34.- ) · vertebral ( I63.0-I63.2 , I65.0 ) I74.0 Embolism and thrombosis of abdominal aorta</p>	Non-communicable diseases

	Aortic bifurcation syndrome Leriche's syndrome I74.1 Embolism and thrombosis of other and unspecified parts of aorta I74.2 Embolism and thrombosis of arteries of upper extremities I74.3 Embolism and thrombosis of arteries of lower extremities I74.4 Embolism and thrombosis of arteries of extremities, unspecified Peripheral arterial embolism I74.5 Embolism and thrombosis of iliac artery I74.8 Embolism and thrombosis of other arteries I74.9 Embolism and thrombosis of unspecified artery	
J81-J81.1	J81 Pulmonary oedema Acute oedema of lung Pulmonary congestion (passive) Excludes: hypostatic pneumonia ( J18.2 ) pulmonary oedema: · chemical (acute) ( J68.1 ) · due to external agents ( J60-J70 ) · with mention of heart disease NOS or heart failure ( I50.1 )	Non-communicable diseases
J90-J90.0	J90 Pleural effusion, not elsewhere classified Pleurisy with effusion Excludes: chylous (pleural) effusion ( J94.0 ) pleurisy NOS ( R09.1 ) tuberculous ( A15-A16 )	Non-communicable diseases
J94-J94.1	J94 Other pleural conditions Excludes: pleurisy NOS ( R09.1 ) traumatic: · haemopneumothorax ( S27.2 ) · haemothorax ( S27.1 ) tuberculous pleural conditions (current disease) ( A15-A16 ) J94.0 Chylous effusion Chyliform effusion J94.1 Fibrothorax	Non-communicable diseases
J94.8-J94.9	J94.8 Other specified pleural conditions Hydrothorax J94.9 Pleural condition, unspecified	Non-communicable diseases
K92.0-K92.2	K92 Other diseases of digestive system Excludes: neonatal gastrointestinal haemorrhage ( P54.0-P54.3 ) K92.0 Haematemesis K92.1 Melaena	Non-communicable diseases
R03-R03.0	R03 Abnormal blood-pressure reading, without diagnosis R03.0 Elevated blood-pressure reading, without diagnosis of hypertension Note: This category is to be used to record an episode of elevated blood pressure in a patient in whom no formal diagnosis of hypertension has been made, or as an isolated incidental finding.	Non-communicable diseases
R04-R06.9		Non-communicable diseases
R09.0-R09.2		Non-communicable diseases



R09.8-R10.9		Non-communicable diseases
R13-R13.9	R13 Dysphagia Difficulty in swallowing	Non-communicable diseases
R16-R18.9	R16 Hepatomegaly and splenomegaly, not elsewhere classified R16.0 Hepatomegaly, not elsewhere classified Hepatomegaly NOS R16.1 Splenomegaly, not elsewhere classified Splenomegaly NOS R16.2 Hepatomegaly with splenomegaly, not elsewhere classified Hepatosplenomegaly NOS R17 Unspecified jaundice Excludes: neonatal jaundice ( P55 , P57-P59 ) R18 Ascites Fluid in peritoneal cavity	Non-communicable diseases
R23.0	R23.0 Cyanosis Excludes: acrocyanosis ( I73.8 ) cyanotic attacks of newborn ( P28.2 )	Non-communicable diseases
R58	R58 Haemorrhage, not elsewhere classified Haemorrhage NOS	Non-communicable diseases
G44.3	G44.3 Chronic post-traumatic headache	Injuries
G91.3	G91.3 Post-traumatic hydrocephalus, unspecified	Injuries
S00	S00 Superficial injury of head Excludes: cerebral contusion (diffuse) ( S06.2 ) · focal ( S06.3 ) injury of eye and orbit ( S05.- )	Injuries
W47-W48		Injuries
W63		Injuries
W71-W72		Injuries
W76-W76.9	W76 Other accidental hanging and strangulation	Injuries
W82		Injuries
W95-W97		Injuries
W98		Injuries
X07		Injuries
X55-X56		Injuries
X59-X59.9	X59 Exposure to unspecified factor	Injuries

Y20-Y34.9	<p>Y20 Hanging, strangulation and suffocation, undetermined intent [See pages 1013-1017 for fourth-character subdivisions]</p> <p>Y21 Drowning and submersion, undetermined intent [See pages 1013-1017 for fourth-character subdivisions]</p> <p>Y22 Handgun discharge, undetermined intent [See pages 1013-1017 for fourth-character subdivisions]</p> <p>Y23 Rifle, shotgun and larger firearm discharge, undetermined intent [See pages 1013-1017 for fourth-character subdivisions]</p> <p>Y24 Other and unspecified firearm discharge, undetermined intent [See pages 1013-1017 for fourth-character subdivisions]</p> <p>Y25 Contact with explosive material, undetermined intent [See pages 1013-1017 for fourth-character subdivisions]</p> <p>Y26 Exposure to smoke, fire and flames, undetermined intent [See pages 1013-1017 for fourth-character subdivisions]</p> <p>Y27 Contact with steam, hot vapours and hot objects, undetermined intent [See pages 1013-1017 for fourth-character subdivisions]</p> <p>Y28 Contact with sharp object, undetermined intent [See pages 1013-1017 for fourth-character subdivisions]</p> <p>Y29 Contact with blunt object, undetermined intent [See pages 1013-1017 for fourth-character subdivisions]</p> <p>Y30 Falling, jumping or pushed from a high place, undetermined intent [See pages 1013-1017 for fourth-character subdivisions]</p> <p>Includes: victim falling from one level to another, undetermined intent</p> <p>Y31 Falling, lying or running before or into moving object, undetermined intent [See pages 1013-1017 for fourth-character subdivisions]</p> <p>Y32 Crashing of motor vehicle, undetermined intent [See pages 1013-1017 for fourth-character subdivisions]</p> <p>Y33 Other specified events, undetermined intent [See pages 1013-1017 for fourth-character subdivisions]</p> <p>Y34 Unspecified event, undetermined intent [See pages 1013-1017 for fourth-character subdivisions]</p>	Injuries
Y86-Y87	<p>Y20 Hanging, strangulation and suffocation, undetermined intent [See pages 1013-1017 for fourth-character subdivisions]</p> <p>Y21 Drowning and submersion, undetermined intent [See pages 1013-1017 for fourth-character subdivisions]</p> <p>Y22 Handgun discharge, undetermined intent [See pages 1013-1017 for fourth-character subdivisions]</p> <p>Y23 Rifle, shotgun and larger firearm discharge, undetermined intent [See pages 1013-1017 for fourth-character subdivisions]</p> <p>Y24 Other and unspecified firearm discharge, undetermined intent [See pages 1013-1017 for fourth-character subdivisions]</p> <p>Y25 Contact with explosive material, undetermined intent [See pages 1013-1017 for fourth-character subdivisions]</p> <p>Y26 Exposure to smoke, fire and flames, undetermined intent [See pages 1013-1017 for fourth-character subdivisions]</p> <p>Y27 Contact with steam, hot vapours and hot objects, undetermined intent</p>	Injuries

	[See pages 1013-1017 for fourth-character subdivisions] Y28 Contact with sharp object, undetermined intent [See pages 1013-1017 for fourth-character subdivisions] Y29 Contact with blunt object, undetermined intent [See pages 1013-1017 for fourth-character subdivisions] Y30 Falling, jumping or pushed from a high place, undetermined intent [See pages 1013-1017 for fourth-character subdivisions] Includes: victim falling from one level to another, undetermined intent Y31 Falling, lying or running before or into moving object, undetermined intent [See pages 1013-1017 for fourth-character subdivisions] Y32 Crashing of motor vehicle, undetermined intent [See pages 1013-1017 for fourth-character subdivisions] Y33 Other specified events, undetermined intent [See pages 1013-1017 for fourth-character subdivisions] Y34 Unspecified event, undetermined intent [See pages 1013-1017 for fourth-character subdivisions]	
Y87.2	V87.2 Person injured in collision between car and pick-up truck or van (traffic)	Injuries
Y89	V89 Motor- or nonmotor-vehicle accident, type of vehicle unspecified	Injuries
Y89.9-Y99.9	V89.9 Person injured in unspecified vehicle accident Collision NOS Y90 Evidence of alcohol involvement determined by blood alcohol level Y90.0 Blood alcohol level of less than 20 mg/100 ml Y90.1 Blood alcohol level of 20-39 mg/100 ml Y90.2 Blood alcohol level of 40-59 mg/100 ml Y90.3 Blood alcohol level of 60-79 mg/100 ml Y90.4 Blood alcohol level of 80-99 mg/100 ml Y90.5 Blood alcohol level of 100-119 mg/100 ml Y90.6 Blood alcohol level of 120-199 mg/100 ml Y90.7 Blood alcohol level of 200-239 mg/100 ml Y90.8 Blood alcohol level of 240 mg/100 ml or more Y90.9 Presence of alcohol in blood, level not specified Y91 Evidence of alcohol involvement determined by level of intoxication Excludes: evidence of alcohol involvement determined by blood alcohol content ( Y90.- ) Y91.0 Mild alcohol intoxication Smell of alcohol on breath, slight behavioural disturbance in functions and responses, or slight difficulty in coordination. Y91.1 Moderate alcohol intoxication Smell of alcohol on breath, moderate behavioural disturbance in functions and responses, or moderate difficulty in coordination. Y91.2 Severe alcohol intoxication Severe disturbance in functions and responses, severe difficulty in coordination, or impaired ability to cooperate. Y91.3 Very severe alcohol intoxication Very severe disturbance in functions and responses, very severe difficulty in coordination, or loss of ability to cooperate. Y91.9 Alcohol involvement, not otherwise specified	Injuries

Suspected alcohol involvement NOS  
Y95 Nosocomial condition  
Y96 Work-related condition  
Y97 Environmental-pollution-related condition  
Y98 Lifestyle-related condition

**Table S3** Level 3 and 4 Garbage Code Redistribution

Garbge Code	ICD 10 Cause	Level 1 Target	Level 2 Target
A01	Typhoid and paratyphoid fevers	Communicable, maternal, neonatal, and nutritional diseases	Other communicable, maternal, neonatal, and nutritional diseases
A31-A31.9	<p>Infection due to other mycobacteria Excludes: leprosy ( A30.- ) tuberculosis ( A15-A19 ) A31.0 Pulmonary mycobacterial infection Infection due to Mycobacterium: · avium · intracellulare [Battey bacillus] · kansasii A31.1 Cutaneous mycobacterial infection Buruli ulcer Infection due to Mycobacterium: · marinum · ulcerans A31.8 Other mycobacterial infections A31.9 Mycobacterial infection, unspecified Atypical mycobacterium infection NOS Mycobacteriosis NOS</p>	Communicable, maternal, neonatal, and nutritional diseases	Other communicable, maternal, neonatal, and nutritional diseases
A42-A44.9	<p>A42 Actinomycosis Excludes: actinomycetoma ( B47.1 ) A42.0 Pulmonary actinomycosis A42.1 Abdominal actinomycosis A42.2 Cervicofacial actinomycosis A42.7 Actinomycotic septicaemia A42.8 Other forms of actinomycosis A42.9 Actinomycosis, unspecified A43 Nocardiosis A43.0 Pulmonary nocardiosis A43.1 Cutaneous nocardiosis A43.8 Other forms of nocardiosis A43.9 Nocardiosis, unspecified A44 Bartonellosis A44.0 Systemic bartonellosis</p>	Communicable, maternal, neonatal, and nutritional diseases	Other communicable, maternal, neonatal, and nutritional diseases

	Oroya fever A44.1 Cutaneous and mucocutaneous bartonellosis Verruga peruana A44.8 Other forms of bartonellosis A44.9 Bartonellosis, unspecified		
A49.2	A49.2 Haemophilus influenzae infection, unspecified	Communicable, maternal, neonatal, and nutritional diseases	Other communicable, maternal, neonatal, and nutritional diseases
A64-A64.0	A64 Unspecified sexually transmitted disease Venereal disease NOS	Communicable, maternal, neonatal, and nutritional diseases	Other communicable, maternal, neonatal, and nutritional diseases
A99-A99.0	A99 Unspecified viral haemorrhagic fever	Communicable, maternal, neonatal, and nutritional diseases	Neglected Tropical Diseases
B37-B46.9	B37 Candidiasis Includes: candidosis moniliasis Excludes: neonatal candidiasis ( P37.5 ) B37.0 Candidal stomatitis Oral thrush B37.1 Pulmonary candidiasis B37.2 Candidiasis of skin and nail Candidal: · onychia · paronychia Excludes: diaper [napkin] dermatitis ( L22 ) B37.3+ Candidiasis of vulva and vagina ( N77.1* ) Candidal vulvovaginitis Monilial vulvovaginitis Vaginal thrush B37.4 Candidiasis of other urogenital sites Candidal: · balanitis+ ( N51.2* ) · urethritis+ ( N37.0* ) B37.5+ Candidal meningitis ( G02.1* ) B37.6+ Candidal endocarditis ( I39.8* ) B37.7 Candidal septicaemia B37.8 Candidiasis of other sites Candidal: · cheilitis · enteritis B37.9 Candidiasis, unspecified Thrush NOS B38 Coccidioidomycosis B38.0 Acute pulmonary coccidioidomycosis B38.1 Chronic pulmonary coccidioidomycosis B38.2 Pulmonary coccidioidomycosis, unspecified B38.3 Cutaneous coccidioidomycosis	Communicable, maternal, neonatal, and nutritional diseases	Other communicable, maternal, neonatal, and nutritional diseases

B38.4+ Coccidioidomycosis meningitis ( G02.1\* )  
 B38.7 Disseminated coccidioidomycosis  
 Generalized coccidioidomycosis  
 B38.8 Other forms of coccidioidomycosis  
 B38.9 Coccidioidomycosis, unspecified  
 B39 Histoplasmosis  
 B39.0 Acute pulmonary histoplasmosis capsulati  
 B39.1 Chronic pulmonary histoplasmosis capsulati  
 B39.2 Pulmonary histoplasmosis capsulati, unspecified  
 B39.3 Disseminated histoplasmosis capsulati  
 Generalized histoplasmosis capsulati  
 B39.4 Histoplasmosis capsulati, unspecified  
 American histoplasmosis  
 B39.5 Histoplasmosis duboisii  
 African histoplasmosis  
 B39.9 Histoplasmosis, unspecified  
 B40 Blastomycosis  
 Excludes: Brazilian blastomycosis ( B41.- )  
 keloidal blastomycosis ( B48.0 )  
 B40.0 Acute pulmonary blastomycosis  
 B40.1 Chronic pulmonary blastomycosis  
 B40.2 Pulmonary blastomycosis, unspecified  
 B40.3 Cutaneous blastomycosis  
 B40.7 Disseminated blastomycosis  
 Generalized blastomycosis  
 B40.8 Other forms of blastomycosis  
 B40.9 Blastomycosis, unspecified  
 B41 Paracoccidioidomycosis  
 Includes: Brazilian blastomycosis  
 Lutz' disease  
 B41.0 Pulmonary paracoccidioidomycosis  
 B41.7 Disseminated paracoccidioidomycosis  
 Generalized paracoccidioidomycosis  
 B41.8 Other forms of paracoccidioidomycosis  
 B41.9 Paracoccidioidomycosis, unspecified  
 B42 Sporotrichosis  
 B42.0+ Pulmonary sporotrichosis ( J99.8\* )  
 B42.1 Lymphocutaneous sporotrichosis  
 B42.7 Disseminated sporotrichosis  
 Generalized sporotrichosis  
 B42.8 Other forms of sporotrichosis  
 B42.9 Sporotrichosis, unspecified  
 B43 Chromomycosis and phaeomycotic abscess  
 B43.0 Cutaneous chromomycosis  
 Dermatitis verrucosa  
 B43.1 Phaeomycotic brain abscess

	Cerebral chromomycosis B43.2 Subcutaneous phaeomycotic abscess and cyst B43.8 Other forms of chromomycosis B43.9 Chromomycosis, unspecified B44 Aspergillosis Includes: aspergilloma B44.0 Invasive pulmonary aspergillosis B44.1 Other pulmonary aspergillosis B44.2 Tonsillar aspergillosis B44.7 Disseminated aspergillosis Generalized aspergillosis B44.8 Other forms of aspergillosis B44.9 Aspergillosis, unspecified B45 Cryptococcosis B45.0 Pulmonary cryptococcosis B45.1 Cerebral cryptococcosis Cryptococcal meningitis+ ( G02.1* ) Cryptococcosis meningocerebralis B45.2 Cutaneous cryptococcosis B45.3 Osseous cryptococcosis B45.7 Disseminated cryptococcosis Generalized cryptococcosis B45.8 Other forms of cryptococcosis B45.9 Cryptococcosis, unspecified B46 Zygomycosis B46.0 Pulmonary mucormycosis B46.1 Rhinocerebral mucormycosis B46.2 Gastrointestinal mucormycosis B46.3 Cutaneous mucormycosis Subcutaneous mucormycosis B46.4 Disseminated mucormycosis Generalized mucormycosis B46.5 Mucormycosis, unspecified B46.8 Other zygomycoses Entomophthoromycosis B46.9 Zygomycosis, unspecified Phycomycosis NOS		
B49-B49.9	B49 Unspecified mycosis Fungaemia NOS	Communicable, maternal, neonatal, and nutritional diseases	Other communicable, maternal, neonatal, and nutritional diseases
B55.1-B55.2	B55.1 Cutaneous leishmaniasis B55.2 Mucocutaneous leishmaniasis	Communicable, maternal, neonatal, and nutritional diseases	Neglected Tropical Diseases



<p>B58-B59.9</p> <p>B58 Toxoplasmosis Includes: infection due to <i>Toxoplasma gondii</i> Excludes: congenital toxoplasmosis ( P37.1 ) B58.0+ Toxoplasma oculopathy Toxoplasma chorioretinitis ( H32.0* ) B58.1+ Toxoplasma hepatitis ( K77.0* ) B58.2+ Toxoplasma meningoencephalitis ( G05.2* ) B58.3+ Pulmonary toxoplasmosis ( J17.3* ) B58.8 Toxoplasmosis with other organ involvement Toxoplasma: · myocarditis+ ( I41.2* ) · myositis+ ( M63.1* ) B58.9 Toxoplasmosis, unspecified B59+ Pneumocystosis ( J17.3* ) Pneumonia due to <i>Pneumocystis carinii</i></p>	<p>Communicable, maternal, neonatal, and nutritional diseases</p>	<p>Other communicable, maternal, neonatal, and nutritional diseases</p>
<p>B89 B89 Unspecified parasitic diseases</p>	<p>Communicable, maternal, neonatal, and nutritional diseases</p>	<p>Other communicable, maternal, neonatal, and nutritional diseases</p>
<p>C14-C14.9</p> <p>C14 Malignant neoplasm of other and ill-defined sites in the lip, oral cavity and pharynx Excludes: oral cavity NOS ( C06.9 ) C14.0 Pharynx, unspecified C14.2 Waldeyer's ring C14.8 Overlapping lesion of lip, oral cavity and pharynx [See note 5 at the beginning of this chapter] Malignant neoplasm of lip, oral cavity and pharynx whose point of origin cannot be classified to any one of the categories C00-C14.2</p>	<p>Non-Communicable Diseases</p>	<p>Neoplasms</p>

<p>C26-C29</p> <p>C26 Malignant neoplasm of other and ill-defined digestive organs Excludes: peritoneum and retroperitoneum ( C48.- ) C26.0 Intestinal tract, part unspecified Intestine NOS C26.1 Spleen Excludes: Hodgkin's disease ( C81.- ) non-Hodgkin's lymphoma ( C82-C85 ) C26.8 Overlapping lesion of digestive system [See note 5 at the beginning of this chapter] Malignant neoplasm of digestive organs whose point of origin cannot be classified to any one of the categories C15-C26.1 Excludes: cardio-oesophageal junction ( C16.0 ) C26.9 Ill-defined sites within the digestive system Alimentary canal or tract NOS Gastrointestinal tract NOS</p>	Non-Communicable Diseases	Neoplasms
C35-C36	Non-Communicable Diseases	Neoplasms

C39-C39.9	<p>C39 Malignant neoplasm of other and ill-defined sites in the respiratory system and intrathoracic organs Excludes: intrathoracic NOS ( C76.1 ) thoracic NOS ( C76.1 )</p> <p>C39.0 Upper respiratory tract, part unspecified C39.8 Overlapping lesion of respiratory and intrathoracic organs [See note 5 at the beginning of this chapter] Malignant neoplasm of respiratory and intrathoracic organs whose point of origin cannot be classified to any one of the categories C30-C39.0 C39.9 Ill-defined sites within the respiratory system Respiratory tract NOS</p>	Non-Communicable Diseases	Neoplasms
C42		Non-Communicable Diseases	Neoplasms
C46-C46.9	<p>C46 Kaposi's sarcoma Includes: morphology code M9140 with behaviour code /3 C46.0 Kaposi's sarcoma of skin C46.1 Kaposi's sarcoma of soft tissue C46.2 Kaposi's sarcoma of palate C46.3 Kaposi's sarcoma of lymph nodes C46.7 Kaposi's sarcoma of other sites C46.8 Kaposi's sarcoma of multiple organs C46.9 Kaposi's sarcoma, unspecified</p>	Non-Communicable Diseases	Neoplasms
C55-C55.9	C55 Malignant neoplasm of uterus, part unspecified	Non-Communicable Diseases	Neoplasms
C57.9	C57.9 (Malignant neoplasms) Female genital organ, unspecified Female genitourinary tract NOS	Non-Communicable Diseases	Neoplasms
C59		Non-Communicable Diseases	Neoplasms

C63.9	C63.9 (Malignant Neoplasms) Male genital organ, unspecified Male genitourinary tract NOS	Non-Communicable Diseases	Neoplasms
C68	C68 Malignant neoplasm of other and unspecified urinary organs	Non-Communicable Diseases	Neoplasms
C68.9	C68.9 Urinary organ, unspecified Urinary system NOS	Non-Communicable Diseases	Neoplasms
C75.9-C80.9	<p>C75.9 (Malignant Neoplasm) Endocrine gland, unspecified C76 Malignant neoplasm of other and ill-defined sites Excludes: malignant neoplasm of:</p> <ul style="list-style-type: none"> <li>· genitourinary tract NOS:</li> <li>· female ( C57.9 )</li> <li>· male ( C63.9 )</li> <li>· lymphoid, haematopoietic and related tissue ( C81-C96 )</li> <li>· unspecified site ( C80 )</li> </ul> <p>C76.0 Head, face and neck Cheek NOS Nose NOS C76.1 Thorax Axilla NOS Intrathoracic NOS Thoracic NOS C76.2 Abdomen C76.3 Pelvis Groin NOS Sites overlapping systems within the pelvis, such as:</p> <ul style="list-style-type: none"> <li>· rectovaginal (septum)</li> <li>· rectovesical (septum)</li> </ul> <p>C76.4 Upper limb C76.5 Lower limb C76.7 Other ill-defined sites C76.8 Overlapping lesion of other and ill-defined sites [See note 5 at the beginning of this chapter] C77 Secondary and unspecified malignant neoplasm of lymph nodes Excludes: malignant neoplasm of lymph nodes, specified as primary ( C81-C87 , C96.- ) C77.0 Lymph nodes of head, face and neck Supraclavicular lymph nodes C77.1 Intrathoracic lymph nodes C77.2 Intra-abdominal lymph nodes C77.3 Axillary and upper limb lymph nodes</p>	Non-Communicable Diseases	Neoplasms

Pectoral lymph nodes  
 C77.4 Inguinal and lower limb lymph nodes  
 C77.5 Intrapelvic lymph nodes  
 C77.8 Lymph nodes of multiple regions  
 C77.9 Lymph node, unspecified  
 C78 Secondary malignant neoplasm of respiratory and digestive organs  
 C78.0 Secondary malignant neoplasm of lung  
 C78.1 Secondary malignant neoplasm of mediastinum  
 C78.2 Secondary malignant neoplasm of pleura  
 C78.3 Secondary malignant neoplasm of other and unspecified respiratory organs  
 C78.4 Secondary malignant neoplasm of small intestine  
 C78.5 Secondary malignant neoplasm of large intestine and rectum  
 C78.6 Secondary malignant neoplasm of retroperitoneum and peritoneum  
 Malignant ascites NOS  
 C78.7 Secondary malignant neoplasm of liver  
 C78.8 Secondary malignant neoplasm of other and unspecified digestive organs  
 C79 Secondary malignant neoplasm of other sites  
 C79.0 Secondary malignant neoplasm of kidney and renal pelvis  
 C79.1 Secondary malignant neoplasm of bladder and other and unspecified urinary organs  
 C79.2 Secondary malignant neoplasm of skin  
 C79.3 Secondary malignant neoplasm of brain and cerebral meninges  
 C79.4 Secondary malignant neoplasm of other and unspecified parts of nervous system  
 C79.5 Secondary malignant neoplasm of bone and bone marrow  
 C79.6 Secondary malignant neoplasm of ovary  
 C79.7 Secondary malignant neoplasm of adrenal gland  
 C79.8 Secondary malignant neoplasm of other specified sites  
 C80 Malignant neoplasm without specification of site  
 Cancer  
 Carcinoma  
 Carcinomatosis  
 Generalized:  
 · cancer  
 · malignancy  
 Malignancy  
 Multiple cancer  
 }  
 unspecified site (primary)(secondary)

Malignant cachexia Primary site unknown			
C87		Non-Communicable Diseases	Neoplasms
C97-D00.0	C97 Malignant neoplasms of independent (primary) multiple sites	Non-Communicable Diseases	Neoplasms
D01	D01 Carcinoma in situ of other and unspecified digestive organs Excludes: melanoma in situ ( D03.- )	Non-Communicable Diseases	Neoplasms

D01.4-D02	D01.4 Other and unspecified parts of intestine Excludes: ampulla of Vater ( D01.5 ) D01.5 Liver, gallbladder and bile ducts Ampulla of Vater D01.7 Other specified digestive organs Pancreas D01.9 Digestive organ, unspecified	Non-Communicable Diseases	Neoplasms
D02.4-D02.9	D02.4 (Carcinoma) Respiratory system, unspecified	Non-Communicable Diseases	Neoplasms
D07	D07 Carcinoma in situ of other and unspecified genital organs	Non-Communicable Diseases	Neoplasms
D07.3	D07.3 (Carcinoma) Other and unspecified female genital organs	Non-Communicable Diseases	Neoplasms
D07.6-D09	D07.6 Other and unspecified male genital organs	Non-Communicable Diseases	Neoplasms
D09.1	D09.1 (Carcinoma) Other and unspecified urinary organs	Non-Communicable Diseases	Neoplasms
D09.7	D09.7 Carcinoma in situ of other specified sites	Non-Communicable Diseases	Neoplasms
D09.9-D10	D09.9 Carcinoma in situ, unspecified	Non-Communicable Diseases	Neoplasms
D10.9	D10.9 (Benign Neoplasm) Pharynx, unspecified	Non-Communicable Diseases	Neoplasms
D13	D13 Benign neoplasm of other and ill-defined parts of digestive system	Non-Communicable Diseases	Neoplasms
D13.9-D14	D13.9 Ill-defined sites within the digestive system Digestive system NOS Intestine NOS Spleen D14 Benign neoplasm of middle ear and respiratory system	Non-Communicable Diseases	Neoplasms
D14.4	D14.4 (Benign Neoplasm) Respiratory system, unspecified	Non-Communicable Diseases	Neoplasms

<p>D17 Benign lipomatous neoplasm Includes: morphology codes M885-M888 with behaviour code /0</p> <p>D17.0 Benign lipomatous neoplasm of skin and subcutaneous tissue of head, face and neck</p> <p>D17.1 Benign lipomatous neoplasm of skin and subcutaneous tissue of trunk</p> <p>D17.2 Benign lipomatous neoplasm of skin and subcutaneous tissue of limbs</p> <p>D17.3 Benign lipomatous neoplasm of skin and subcutaneous tissue of other and unspecified sites</p> <p>D17.4 Benign lipomatous neoplasm of intrathoracic organs</p> <p>D17.5 Benign lipomatous neoplasm of intra-abdominal organs</p> <p>Excludes: peritoneum and retroperitoneum ( D17.7 )</p> <p>D17.6 Benign lipomatous neoplasm of spermatic cord</p> <p>D17.7 Benign lipomatous neoplasm of other sites</p> <p>Peritoneum</p> <p>Retroperitoneum</p> <p>D17.9 Benign lipomatous neoplasm, unspecified</p> <p>Lipoma NOS</p> <p>D18 Haemangioma and lymphangioma, any site Includes: morphology codes M912-M917 with behaviour code /0</p> <p>Excludes: blue or pigmented naevus ( D22.- )</p> <p>D18.0 Haemangioma, any site</p> <p>Angioma NOS</p> <p>D18.1 Lymphangioma, any site</p> <p>D19 Benign neoplasm of mesothelial tissue Includes: morphology code M905 with behaviour code /0</p> <p>D19.0 Mesothelial tissue of pleura</p> <p>D19.1 Mesothelial tissue of peritoneum</p> <p>D19.7 Mesothelial tissue of other sites</p> <p>D19.9 Mesothelial tissue, unspecified</p> <p>Benign mesothelioma NOS</p> <p>D20 Benign neoplasm of soft tissue of retroperitoneum and peritoneum</p> <p>Excludes: benign lipomatous neoplasm of peritoneum and retroperitoneum ( D17.7 )</p> <p>mesothelial tissue ( D19.- )</p> <p>D20.0 Retroperitoneum</p> <p>D20.1 Peritoneum</p> <p>D21 Other benign neoplasms of connective and other soft tissue Includes: blood vessel</p> <p>bursa</p> <p>cartilage</p> <p>fascia</p> <p>fat</p> <p>ligament, except uterine</p>	Non-Communicable Diseases	Neoplasms
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lymphatic channel  
 muscle  
 synovia  
 tendon (sheath)  
 Excludes: cartilage:  
 · articular ( D16.- )  
 · larynx ( D14.1 )  
 · nose ( D14.0 )  
 connective tissue of breast ( D24 )  
 haemangioma ( D18.0 )  
 lipomatous neoplasm ( D17.- )  
 lymphangioma ( D18.1 )  
 peripheral nerves and autonomic nervous system ( D36.1 )  
 peritoneum ( D20.1 )  
 retroperitoneum ( D20.0 )  
 uterine:  
 · leiomyoma ( D25.- )  
 · ligament, any ( D28.2 )  
 vascular tissue ( D18.- )  
 D21.0 Connective and other soft tissue of head, face and neck  
 Connective tissue of:  
 · ear  
 · eyelid  
 Excludes: connective tissue of orbit ( D31.6 )  
 D21.1 Connective and other soft tissue of upper limb, including  
 shoulder  
 D21.2 Connective and other soft tissue of lower limb, including hip  
 D21.3 Connective and other soft tissue of thorax  
 Axilla  
 Diaphragm  
 Great vessels  
 Excludes: heart ( D15.1 )  
 mediastinum ( D15.2 )  
 thymus ( D15.0 )  
 D21.4 Connective and other soft tissue of abdomen  
 D21.5 Connective and other soft tissue of pelvis  
 Excludes: uterine:  
 · leiomyoma ( D25.- )  
 · ligament, any ( D28.2 )  
 D21.6 Connective and other soft tissue of trunk, unspecified  
 Back NOS  
 D21.9 Connective and other soft tissue, unspecified

D28	D28 Benign neoplasm of other and unspecified female genital organs Includes: adenomatous polyp skin of female genital organs	Non-Communicable Diseases	Neoplasms
D28.9-D29	D28.9 Female genital organ, unspecified D29 Benign neoplasm of male genital organs	Non-Communicable Diseases	Neoplasms
D29.9-D30	D29.9 (Benign Neoplasm) Male genital organ, unspecified	Non-Communicable Diseases	Neoplasms
D30.9	D30.9 (Benign Neoplasm) Urinary organ, unspecified Urinary system NOS	Non-Communicable Diseases	Neoplasms
D36.0	D36.0 (Benign Neoplasm) Lymph nodes	Non-Communicable Diseases	Neoplasms
D36.9-D37.0	D36.9 Benign neoplasm of unspecified site "D37 Neoplasm of uncertain or unknown behaviour of oral cavity and digestive organs D37.0 Lip, oral cavity and pharynx Aryepiglottic fold: · NOS · hypopharyngeal aspect · marginal zone Major and minor salivary glands Vermilion border of lip Excludes: aryepiglottic fold, laryngeal aspect ( D38.0 ) epiglottis: · NOS ( D38.0 ) · suprahyoid portion ( D38.0 ) skin of lip ( D48.5 ) "	Non-Communicable Diseases	Neoplasms

D37.6-D38	D37.6 Liver, gallbladder and bile ducts Ampulla of Vater D37.7 Other digestive organs Anal: · canal · sphincter Anus NOS Intestine NOS Oesophagus Pancreas Excludes: anal: · margin ( D48.5 ) · skin ( D48.5 ) perianal skin ( D48.5 ) D37.9 Digestive organ, unspecified D38 Neoplasm of uncertain or unknown behaviour of middle ear and respiratory and intrathoracic organs	Non-Communicable Diseases	Neoplasms
D38.6-D39.0	D38.6 (Neoplasm) Respiratory organ, unspecified D39 Neoplasm of uncertain or unknown behaviour of female genital organs D39.0 Uterus	Non-Communicable Diseases	Neoplasms
D39.7	D39.7 (Neoplasm) Other female genital organs Skin of female genital organs	Non-Communicable Diseases	Neoplasms
D39.9-D40	D39.9 (Neoplasm) Female genital organ, unspecified D40 Neoplasm of uncertain or unknown behaviour of male genital organs	Non-Communicable Diseases	Neoplasms
D40.9-D41	D40.9 Male genital organ, unspecified D41 Neoplasm of uncertain or unknown behaviour of urinary organs	Non-Communicable Diseases	Neoplasms
D41.9	D41.9 (Neoplasm) Urinary organ, unspecified	Non-Communicable Diseases	Neoplasms

D44	D44 Neoplasm of uncertain or unknown behaviour of endocrine gland	Non-Communicable Diseases	Neoplasms
D44.9	D44.9 (Neoplasm) Endocrine gland, unspecified	Non-Communicable Diseases	Neoplasms
D48	D48 Neoplasm of uncertain or unknown behaviour of other and unspecified sites	Non-Communicable Diseases	Neoplasms
D48.7-D49.1	D48.7 (Neoplasm) Other specified sites Eye Heart Peripheral nerves of orbit Excludes: connective tissue ( D48.1 ) skin of eyelid ( D48.5 ) D48.9 Neoplasm of uncertain or unknown behaviour, unspecified "Growth" NOS Neoplasm NOS New growth NOS Tumour NOS	Non-Communicable Diseases	Neoplasms
D49.5		Non-Communicable Diseases	Neoplasms
D49.7-D49.9		Non-Communicable Diseases	Neoplasms
D54		Non-Communicable Diseases	Diabetes, urogenital, blood and endocrine diseases
D75.9	D75.9 Disease of blood and blood-forming organs, unspecified	Non-Communicable Diseases	Diabetes, urogenital, blood and endocrine diseases

D79-D85	<p>D80 Immunodeficiency with predominantly antibody defects</p> <p>D80.0 Hereditary hypogammaglobulinaemia</p> <p>Autosomal recessive agammaglobulinaemia (Swiss type)</p> <p>X-linked agammaglobulinaemia [Bruton] (with growth hormone deficiency)</p> <p>D80.1 Nonfamilial hypogammaglobulinaemia</p> <p>Agammaglobulinaemia with immunoglobulin-bearing B-lymphocytes</p> <p>Common variable agammaglobulinaemia [CVAgamma]</p> <p>Hypogammaglobulinaemia NOS</p> <p>D80.2 Selective deficiency of immunoglobulin A [IgA]</p> <p>D80.3 Selective deficiency of immunoglobulin G [IgG] subclasses</p> <p>D80.4 Selective deficiency of immunoglobulin M [IgM]</p> <p>D80.5 Immunodeficiency with increased immunoglobulin M [IgM]</p> <p>D80.6 Antibody deficiency with near-normal immunoglobulins or with hyperimmunoglobulinaemia</p> <p>D80.7 Transient hypogammaglobulinaemia of infancy</p> <p>D80.8 Other immunodeficiencies with predominantly antibody defects</p> <p>Kappa light chain deficiency</p> <p>D80.9 Immunodeficiency with predominantly antibody defects, unspecified</p> <p>D81 Combined immunodeficiencies</p> <p>Excludes: autosomal recessive agammaglobulinaemia (Swiss type) (D80.0 )</p> <p>D81.0 Severe combined immunodeficiency [SCID] with reticular dysgenesis</p> <p>D81.1 Severe combined immunodeficiency [SCID] with low T- and B-cell numbers</p> <p>D81.2 Severe combined immunodeficiency [SCID] with low or normal B-cell numbers</p> <p>D81.3 Adenosine deaminase [ADA] deficiency</p> <p>D81.4 Nezelof's syndrome</p> <p>D81.5 Purine nucleoside phosphorylase [PNP] deficiency</p> <p>D81.6 Major histocompatibility complex class I deficiency</p> <p>Bare lymphocyte syndrome</p> <p>D81.7 Major histocompatibility complex class II deficiency</p> <p>D81.8 Other combined immunodeficiencies</p> <p>Biotin-dependent carboxylase deficiency</p> <p>D81.9 Combined immunodeficiency, unspecified</p> <p>Severe combined immunodeficiency disorder [SCID] NOS</p> <p>D82 Immunodeficiency associated with other major defects</p> <p>Excludes: ataxia telangiectasia [Louis-Bar] ( G11.3 )</p> <p>D82.0 Wiskott-Aldrich syndrome</p> <p>Immunodeficiency with thrombocytopenia and eczema</p> <p>D82.1 Di George's syndrome</p>	Non-Communicable Diseases	Diabetes, urogenital, blood and endocrine diseases
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Pharyngeal pouch syndrome  
 Thymic:  
 · alymphoplasia  
 · aplasia or hypoplasia with immunodeficiency  
 D82.2 Immunodeficiency with short-limbed stature  
 D82.3 Immunodeficiency following hereditary defective response to Epstein-Barr virus  
 X-linked lymphoproliferative disease  
 D82.4 Hyperimmunoglobulin E [IgE] syndrome  
 D82.8 Immunodeficiency associated with other specified major defects  
 D82.9 Immunodeficiency associated with major defect, unspecified  
 D83 Common variable immunodeficiency  
 D83.0 Common variable immunodeficiency with predominant abnormalities of B-cell numbers and function  
 D83.1 Common variable immunodeficiency with predominant immunoregulatory T-cell disorders  
 D83.2 Common variable immunodeficiency with autoantibodies to B- or T-cells  
 D83.8 Other common variable immunodeficiencies  
 D83.9 Common variable immunodeficiency, unspecified  
 D84 Other immunodeficiencies  
 D84.0 Lymphocyte function antigen-1 [LFA-1] defect  
 D84.1 Defects in the complement system  
 C1 esterase inhibitor [C1-INH] deficiency  
 D84.8 Other specified immunodeficiencies  
 D84.9 Immunodeficiency, unspecified

Non-Communicable Diseases

Diabetes, urogenital, blood and endocrine diseases

D87-D88

D89 Other disorders involving the immune mechanism, not elsewhere classified  
 Excludes: hyperglobulinaemia NOS ( R77.1 )  
 monoclonal gammopathy ( D47.2 )  
 transplant failure and rejection ( T86.- )  
 D89.0 Polyclonal hypergammaglobulinaemia  
 Benign hypergammaglobulinaemic purpura  
 Polyclonal gammopathy NOS  
 D89.1 Cryoglobulinaemia  
 Cryoglobulinaemia:  
 · essential  
 · idiopathic  
 · mixed  
 · primary  
 · secondary  
 Cryoglobulinaemic:  
 · purpura  
 · vasculitis  
 D89.2 Hypergammaglobulinaemia, unspecified  
 D89.8 Other specified disorders involving the immune mechanism, not elsewhere classified  
 D89.9 Disorder involving the immune mechanism, unspecified  
 Immune disease NOS

Non-Communicable Diseases

Diabetes, urogenital, blood and endocrine diseases

E07.8-E08.9	E07.8 Other specified disorders of thyroid Abnormality of thyroid-binding globulin Haemorrhage Infarction } } of thyroid Sick-euthyroid syndrome E07.9 Disorder of thyroid, unspecified	Non-Communicable Diseases	Diabetes, urogenital, blood and endocrine diseases
E17-E19		Non-Communicable Diseases	Diabetes, urogenital, blood and endocrine diseases
E34.9-E35.8	E34.9 Endocrine disorder, unspecified Disturbance: · endocrine NOS · hormone NOS E35* Disorders of endocrine glands in diseases classified elsewhere E35.0* Disorders of thyroid gland in diseases classified elsewhere Tuberculosis of thyroid gland ( A18.8+ ) E35.1* Disorders of adrenal glands in diseases classified elsewhere Tuberculous Addison's disease ( A18.7+ ) Waterhouse-Friderichsen syndrome (meningococcal) ( A39.1+ ) E35.8* Disorders of other endocrine glands in diseases classified elsewhere	Non-Communicable Diseases	Diabetes, urogenital, blood and endocrine diseases
E37-E39		Non-Communicable Diseases	Diabetes, urogenital, blood and endocrine diseases
E47-E49		Communicable, maternal, neonatal, and nutritional diseases	Neonatal Disorders
E62		Communicable, maternal, neonatal, and nutritional diseases	Neonatal Disorders
E69		Communicable, maternal, neonatal, and nutritional diseases	Neonatal Disorders



E87.7	E87.7 Fluid overload	Non-Communicable Diseases	Diabetes, urogenital, blood and endocrine diseases
E90-E998	E90* Nutritional and metabolic disorders in diseases classified elsewhere	Communicable, maternal, neonatal, and nutritional diseases	Neonatal Disorders
F04-F06.1	F04 Organic amnesic syndrome, not induced by alcohol and other psychoactive substances	Non-Communicable Diseases	Mental and substance use disorders
F06.5-F07.0	<p>F06.5 Organic dissociative disorder A disorder characterized by a partial or complete loss of the normal integration between memories of the past, awareness of identity and immediate sensations, and control of bodily movements (see F44.-), but arising as a consequence of an organic disorder. Excludes: dissociative [conversion] disorders, nonorganic or unspecified ( F44.- )</p> <p>F06.6 Organic emotionally labile [asthenic] disorder A disorder characterized by emotional incontinence or lability, fatigability, and a variety of unpleasant physical sensations (e.g. dizziness) and pains, but arising as a consequence of an organic disorder. Excludes: somatoform disorders, nonorganic or unspecified ( F45.- )</p> <p>F06.7 Mild cognitive disorder A disorder characterized by impairment of memory, learning difficulties, and reduced ability to concentrate on a task for more than brief periods. There is often a marked feeling of mental fatigue when mental tasks are attempted, and new learning is found to be subjectively difficult even when objectively successful. None of these symptoms is so severe that a diagnosis of either dementia (F00-F03) or delirium (F05.-) can be made. This diagnosis should be made only in association with a specified physical disorder, and should not be made in the presence of any of the mental or behavioural disorders classified to F10-F99. The disorder may precede, accompany, or follow a wide variety of infections and physical disorders, both cerebral and systemic, but direct evidence of cerebral involvement is not necessarily present. It can be differentiated from postencephalitic syndrome (F07.1) and postconcussional syndrome (F07.2) by its different etiology, more restricted range of generally milder symptoms, and usually shorter duration.</p> <p>F06.8 Other specified mental disorders due to brain damage and dysfunction and to physical disease Epileptic psychosis NOS</p> <p>F06.9 Unspecified mental disorder due to brain damage and dysfunction and to physical disease</p>	Non-Communicable Diseases	Neurological disorders

Organic:

- brain syndrome NOS
- mental disorder NOS

F07 Personality and behavioural disorders due to brain disease, damage and dysfunction

F07.8-F08	F07.8 Other organic personality and behavioural disorders due to brain disease, damage and dysfunction Right hemispheric organic affective disorder F07.9 Unspecified organic personality and behavioural disorder due to brain disease, damage and dysfunction Organic psychosyndrome	Non-Communicable Diseases	Neurological disorders
F50	F50 Eating disorders Excludes: anorexia NOS ( R63.0 ) feeding: · difficulties and mismanagement ( R63.3 ) · disorder of infancy or childhood ( F98.2 ) polyphagia ( R63.2 )	Non-Communicable Diseases	Mental and substance use disorders
F50.8-F50.9	F50.8 Other eating disorders Pica in adults Psychogenic loss of appetite Excludes: pica of infancy and childhood ( F98.3 ) F50.9 Eating disorder, unspecified	Non-Communicable Diseases	Mental and substance use disorders
G09-G09.9	G09 Sequelae of inflammatory diseases of central nervous system	Non-Communicable Diseases	Neurological disorders
G15-G19		Non-Communicable Diseases	Neurological disorders
G27-G29		Non-Communicable Diseases	Neurological disorders
G33-G34		Non-Communicable Diseases	Neurological disorders
G38-G39		Non-Communicable Diseases	Neurological disorders
G42		Non-Communicable Diseases	Neurological disorders
G48-G49		Non-Communicable Diseases	Neurological disorders
G66-G69		Non-Communicable Diseases	Neurological disorders
G74-G79		Non-Communicable Diseases	Neurological disorders
G84-G88		Non-Communicable Diseases	Neurological disorders
G93	G93 Other disorders of brain	Non-Communicable Diseases	Neurological disorders

G93.8-G94.8	<p>G93.8 Other specified disorders of brain          Postradiation encephalopathy          Use additional external cause code (Chapter XX), if desired, to identify cause.</p> <p>G93.9 Disorder of brain, unspecified</p> <p>G94* Other disorders of brain in diseases classified elsewhere</p> <p>G94.0* Hydrocephalus in infectious and parasitic diseases classified elsewhere ( A00-B99+ )</p> <p>G94.1* Hydrocephalus in neoplastic disease ( C00-D48+ )</p> <p>G94.2* Hydrocephalus in other diseases classified elsewhere</p> <p>G94.8* Other specified disorders of brain in diseases classified elsewhere</p>	Non-Communicable Diseases	Neurological disorders
G96-G96.9	<p>G96 Other disorders of central nervous system</p> <p>G96.0 Cerebrospinal fluid leak          Excludes: from spinal puncture ( G97.0 )</p> <p>G96.1 Disorders of meninges, not elsewhere classified          Meningeal adhesions (cerebral)(spinal)</p> <p>G96.8 Other specified disorders of central nervous system</p> <p>G96.9 Disorder of central nervous system, unspecified</p>	Non-Communicable Diseases	Neurological disorders
G98-G98.9	<p>Other disorders of nervous system, not elsewhere classified</p> <p>Nervous system disorder NOS</p>	Non-Communicable Diseases	Neurological disorders
I00.0		Non-Communicable Diseases	Cardiovascular diseases
I03-I04		Non-Communicable Diseases	Cardiovascular diseases
I14		Non-Communicable Diseases	Cardiovascular diseases

I16-I19		Non-Communicable Diseases	Cardiovascular diseases
I29-I29.9		Non-Communicable Diseases	Cardiovascular diseases
	I44 Atrioventricular and left bundle-branch block I44.0 Atrioventricular block, first degree I44.1 Atrioventricular block, second degree Atrioventricular block, type I and II Möbitz block, type I and II Second-degree block, type I and II Wenckebach's block I44.2 Atrioventricular block, complete Complete heart block NOS Third-degree block I44.3 Other and unspecified atrioventricular block Atrioventricular block NOS I44.4 Left anterior fascicular block I44.5 Left posterior fascicular block I44.6 Other and unspecified fascicular block Left bundle-branch hemiblock NOS I44.7 Left bundle-branch block, unspecified I45 Other conduction disorders I45.0 Right fascicular block I45.1 Other and unspecified right bundle-branch block Right bundle-branch block NOS I45.2 Bifascicular block I45.3 Trifascicular block I45.4 Nonspecific intraventricular block Bundle-branch block NOS I45.5 Other specified heart block Sinoatrial block Sinoauricular block Excludes: heart block NOS ( I45.9 ) I45.6 Pre-excitation syndrome Anomalous atrioventricular excitation Atrioventricular conduction: · accelerated · accessory · pre-excitation Lown-Ganong-Levine syndrome Wolff-Parkinson-White syndrome I45.8 Other specified conduction disorders Atrioventricular [AV] dissociation Interference dissociation I45.9 Conduction disorder, unspecified Heart block NOS Stokes-Adams syndrome		
I44-I45.9		Non-Communicable Diseases	Cardiovascular diseases

I49 Other cardiac arrhythmias  
 Excludes: bradycardia NOS ( R00.1 )  
 complicating:  
 · abortion or ectopic or molar pregnancy ( O00-O07 , O08.8 )  
 · obstetric surgery and procedures ( O75.4 )  
 neonatal cardiac dysrhythmia ( P29.1 )  
 I49.0 Ventricular fibrillation and flutter  
 I49.1 Atrial premature depolarization  
 Atrial premature beats  
 I49.2 Junctional premature depolarization  
 I49.3 Ventricular premature depolarization  
 I49.4 Other and unspecified premature depolarization  
 Ectopic beats  
 I49-I49.9 Extrasystoles  
 Extrasystolic arrhythmias  
 Premature:  
 · beats NOS  
 · contractions  
 I49.5 Sick sinus syndrome  
 Tachycardia-bradycardia syndrome  
 I49.8 Other specified cardiac arrhythmias  
 Rhythm disorder:  
 · coronary sinus  
 · ectopic  
 · nodal  
 I49.9 Cardiac arrhythmia, unspecified  
 Arrhythmia (cardiac) NOS

Non-Communicable Diseases

Cardiovascular diseases

I51	I51 Complications and ill-defined descriptions of heart disease Excludes: any condition in I51.4-I51.9 due to hypertension ( I11.- ) · with renal disease ( I13.- ) complications following acute myocardial infarction ( I23.- ) when specified as rheumatic ( I00-I09 )	Non-Communicable Diseases	Cardiovascular diseases
I51.6	I51.6 Cardiovascular disease, unspecified Cardiovascular accident NOS Excludes: atherosclerotic cardiovascular disease, so described ( I25.0 )	Non-Communicable Diseases	Cardiovascular diseases
I51.8-I59	I51.8 Other ill-defined heart diseases Carditis (acute)(chronic) Pancarditis (acute)(chronic) I51.9 Heart disease, unspecified I52* Other heart disorders in diseases classified elsewhere Excludes: cardiovascular disorders NOS in diseases classified elsewhere ( I98.-* ) I52.0* Other heart disorders in bacterial diseases classified elsewhere Meningococcal carditis NEC ( A39.5+ ) I52.1* Other heart disorders in other infectious and parasitic diseases classified elsewhere Pulmonary heart disease in schistosomiasis ( B65.-+ ) I52.8* Other heart disorders in other diseases classified elsewhere Rheumatoid carditis ( M05.3+ )	Non-Communicable Diseases	Cardiovascular diseases
I90-I94		Non-Communicable Diseases	200
I96-I96.9		Non-Communicable Diseases	200

198.4-198.8	198.8* Other specified disorders of circulatory system in diseases classified elsewhere	Non-Communicable Diseases	Cardiovascular diseases
199-J00.0	199 Other and unspecified disorders of circulatory system	Non-Communicable Diseases	Cardiovascular diseases
J02	<p>J02 Acute pharyngitis</p> <p>Includes: acute sore throat</p> <p>Excludes: abscess:</p> <ul style="list-style-type: none"> <li>· peritonsillar ( J36 )</li> <li>· pharyngeal ( J39.1 )</li> <li>· retropharyngeal ( J39.0 )</li> </ul> <p>acute laryngopharyngitis ( J06.0 )</p> <p>chronic pharyngitis ( J31.2 )</p>	Communicable, maternal, neonatal, and nutritional diseases	Diarrhea, lower respiratory, and other common infectious diseases



<p>J02.8 Acute pharyngitis due to other specified organisms Use additional code (B95-B97), if desired, to identify infectious agent.</p> <p>Excludes: pharyngitis (due to):</p> <ul style="list-style-type: none"> <li>· enteroviral vesicular ( B08.5 )</li> <li>· herpesviral [herpes simplex] ( B00.2 )</li> <li>· infectious mononucleosis ( B27.- )</li> <li>· influenza virus: <ul style="list-style-type: none"> <li>· identified ( J10.1 )</li> <li>· not identified ( J11.1 )</li> </ul> </li> </ul> <p>J02.9 Acute pharyngitis, unspecified Pharyngitis (acute):</p> <ul style="list-style-type: none"> <li>· NOS</li> <li>· gangrenous</li> <li>· infective NOS</li> <li>· suppurative</li> <li>· ulcerative</li> </ul> <p>Sore throat (acute) NOS</p> <p>J03 Acute tonsillitis Excludes: peritonsillar abscess ( J36 ) sore throat:</p> <ul style="list-style-type: none"> <li>· NOS ( J02.9 )</li> <li>· acute ( J02.- )</li> <li>· streptococcal ( J02.0 )</li> </ul>	<p>Communicable, maternal, neonatal, and nutritional diseases</p>	<p>Diarrhea, lower respiratory, and other common infectious diseases</p>
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J03.8-J04	<p>J03.8 Acute tonsillitis due to other specified organisms Use additional code (B95-B97), if desired, to identify infectious agent. Excludes: herpesviral [herpes simplex] pharyngotonsillitis ( B00.2 )</p> <p>J03.9 Acute tonsillitis, unspecified Tonsillitis (acute):</p> <ul style="list-style-type: none"> <li>· NOS</li> <li>· follicular</li> <li>· gangrenous</li> <li>· infective</li> <li>· ulcerative</li> </ul> <p>J04 Acute laryngitis and tracheitis Use additional code (B95-B97), if desired, to identify infectious agent. Excludes: acute obstructive laryngitis [croup] and epiglottitis ( J05.- ) laryngismus (stridulus) ( J38.5 )</p>	Communicable, maternal, neonatal, and nutritional diseases	Diarrhea, lower respiratory, and other common infectious diseases
J04.1-J04.3	<p>J04.1 Acute tracheitis Tracheitis (acute):</p> <ul style="list-style-type: none"> <li>· NOS</li> <li>· catarrhal</li> </ul> <p>Excludes: chronic tracheitis ( J42 )</p> <p>J04.2 Acute laryngotracheitis Laryngotracheitis NOS Tracheitis (acute) with laryngitis (acute) Excludes: chronic laryngotracheitis ( J37.1 )</p>	Communicable, maternal, neonatal, and nutritional diseases	Diarrhea, lower respiratory, and other common infectious diseases

J05.1-J06.9	J05.1 Acute epiglottitis Epiglottitis NOS J06 Acute upper respiratory infections of multiple and unspecified sites Excludes: acute respiratory infection NOS ( J22 ) influenza virus: · identified ( J10.1 ) · not identified ( J11.1 ) J06.0 Acute laryngopharyngitis J06.8 Other acute upper respiratory infections of multiple sites J06.9 Acute upper respiratory infection, unspecified Upper respiratory: · disease, acute · infection NOS	Communicable, maternal, neonatal, and nutritional diseases	Diarrhea, lower respiratory, and other common infectious diseases
J48-J59	Non-Communicable Diseases	Chronic Respiratory Diseases	
J71-J79	Non-Communicable Diseases	Chronic Respiratory Diseases	
J81.9	Non-Communicable Diseases	Chronic Respiratory Diseases	
J83	Non-Communicable Diseases	Chronic Respiratory Diseases	
J85.9	Communicable, maternal, neonatal, and nutritional diseases	Diarrhea, lower respiratory, and other common infectious diseases	
J87-J89	Communicable, maternal, neonatal, and nutritional diseases	Diarrhea, lower respiratory, and other common infectious diseases	
J90.9	Non-Communicable Diseases	Chronic Respiratory Diseases	
J93.6	Non-Communicable Diseases	Chronic Respiratory Diseases	

J97-J98.0

J98 Other respiratory disorders  
Excludes: apnoea:  
· NOS ( R06.8 )  
· newborn ( P28.4 )  
· sleep ( G47.3 )  
· newborn ( P28.3 )  
J98.0 Diseases of bronchus, not elsewhere classified  
Broncholithiasis  
Calcification  
Stenosis  
Ulcer  
}  
}  
}  
of bronchus  
Tracheobronchial:  
· collapse  
· dyskinesia

Non-Communicable Diseases

Chronic Respiratory Diseases

J98.4-J99.8	J98.4 Other disorders of lung Calcification of lung Cystic lung disease (acquired) Lung disease NOS Pulmolithiasis J98.5 Diseases of mediastinum, not elsewhere classified Fibrosis Hernia Retraction } } } of mediastinum Mediastinitis Excludes: abscess of mediastinum ( J85.3 ) J98.6 Disorders of diaphragm Diaphragmatitis Paralysis of diaphragm Relaxation of diaphragm Excludes: congenital malformation of diaphragm NEC ( Q79.1 ) diaphragmatic hernia ( K44.- ) · congenital ( Q79.0 ) J98.8 Other specified respiratory disorders J98.9 Respiratory disorder, unspecified Respiratory disease (chronic) NOS J99* Respiratory disorders in diseases classified elsewhere J99.0* Rheumatoid lung disease ( M05.1+ ) J99.1* Respiratory disorders in other diffuse connective tissue disorders Respiratory disorders in: · dermatomyositis ( M33.0-M33.1+ ) · polymyositis ( M33.2+ ) · sicca syndrome [Sjögren] ( M35.0+ ) · systemic: · lupus erythematosus ( M32.1+ ) · sclerosis ( M34.8+ ) · Wegener's granulomatosis ( M31.3+ ) J99.8* Respiratory disorders in other diseases classified elsewhere Respiratory disorders in: · amoebiasis ( A06.5+ ) · ankylosing spondylitis ( M45+ ) · cryoglobulinaemia ( D89.1+ ) · sporotrichosis ( B42.0+ ) · syphilis ( A52.7+ )	Non-Communicable Diseases	Chronic Respiratory Diseases
K31.9-K34	K31.9 Disease of stomach and duodenum, unspecified	Non-Communicable Diseases	Digestive diseases

K39		Non-Communicable Diseases	Digestive diseases
K47-K49		Non-Communicable Diseases	Digestive diseases
K53-K54		Non-Communicable Diseases	Digestive diseases
K63-K63.4	<p>K63 Other diseases of intestine</p> <p>K63.0 Abscess of intestine</p> <p>Excludes: abscess of:</p> <ul style="list-style-type: none"> <li>· anal and rectal regions ( K61.- )</li> <li>· appendix ( K35.1 )</li> </ul> <p>with diverticular disease ( K57.- )</p> <p>K63.1 Perforation of intestine (nontraumatic)</p> <p>Excludes: perforation (nontraumatic) of:</p> <ul style="list-style-type: none"> <li>· appendix ( K35.0 )</li> <li>· duodenum ( K26.- )</li> </ul> <p>with diverticular disease ( K57.- )</p> <p>K63.2 Fistula of intestine</p> <p>Excludes: fistula (of):</p> <ul style="list-style-type: none"> <li>· anal and rectal regions ( K60.- )</li> <li>· appendix ( K38.3 )</li> <li>· duodenum ( K31.6 )</li> <li>· intestinal-genital, female ( N82.2-N82.4 )</li> <li>· vesicointestinal ( N32.1 )</li> </ul> <p>K63.3 Ulcer of intestine</p> <p>Primary ulcer of small intestine</p> <p>Excludes: ulcer (of):</p> <ul style="list-style-type: none"> <li>· anus or rectum ( K62.6 )</li> <li>· duodenal ( K26.- )</li> <li>· gastrointestinal ( K28.- )</li> <li>· gastrojejunal ( K28.- )</li> <li>· jejunal ( K28.- )</li> <li>· peptic, site unspecified ( K27.- )</li> </ul> <p>ulcerative colitis ( K51.- )</p> <p>K63.4 Enteroptosis</p>	Non-Communicable Diseases	Digestive diseases
K63.8-K63.9	<p>K63.8 Other specified diseases of intestine</p> <p>K63.9 Disease of intestine, unspecified</p>	Non-Communicable Diseases	Digestive diseases
K69		Non-Communicable Diseases	Digestive diseases

K75	K75 Other inflammatory liver diseases Excludes: chronic hepatitis NEC ( K73.- ) hepatitis: · acute or subacute ( K72.0 ) · viral ( B15-B19 ) toxic liver disease ( K71.- )	Non-Communicable Diseases	Liver diseases
K78-K79		Non-Communicable Diseases	Liver diseases
K84		Non-Communicable Diseases	Digestive diseases
K87-K89	K87* Disorders of gallbladder, biliary tract and pancreas in diseases classified elsewhere K87.0* Disorders of gallbladder and biliary tract in diseases classified elsewhere K87.1* Disorders of pancreas in diseases classified elsewhere Cytomegaloviral pancreatitis ( B25.2+ ) Mumps pancreatitis ( B26.3+ )	Non-Communicable Diseases	Digestive diseases
K92	K92 Other diseases of digestive system Excludes: neonatal gastrointestinal haemorrhage ( P54.0-P54.3 )	Non-Communicable Diseases	Digestive diseases
K92.9-K93	K92.9 Disease of digestive system, unspecified K93* Disorders of other digestive organs in diseases classified elsewhere	Non-Communicable Diseases	Digestive diseases
K96-K99		Non-Communicable Diseases	Digestive diseases
L06-L07		Non-Communicable Diseases	Other non-communicable diseases
L09		Non-Communicable Diseases	Other non-communicable diseases
L15-L19		Non-Communicable Diseases	Other non-communicable diseases
L31-L39		Non-Communicable Diseases	Other non-communicable diseases
L69		Non-Communicable Diseases	Other non-communicable diseases
L77-L79		Non-Communicable Diseases	Other non-communicable diseases
N09		Non-Communicable Diseases	Diabetes, urogenital, blood and endocrine diseases

N13-N13.9	<p>N13 Obstructive and reflux uropathy Excludes: calculus of kidney and ureter without hydronephrosis ( N20.- ) congenital obstructive defects of renal pelvis and ureter ( Q62.0-Q62.3 ) obstructive pyelonephritis ( N11.1 )</p> <p>N13.0 Hydronephrosis with ureteropelvic junction obstruction Excludes: with infection ( N13.6 )</p> <p>N13.1 Hydronephrosis with ureteral stricture, not elsewhere classified Excludes: with infection ( N13.6 )</p> <p>N13.2 Hydronephrosis with renal and ureteral calculous obstruction Excludes: with infection ( N13.6 )</p> <p>N13.3 Other and unspecified hydronephrosis Excludes: with infection ( N13.6 )</p> <p>N13.4 Hydroureter Excludes: with infection ( N13.6 )</p> <p>N13.5 Kinking and stricture of ureter without hydronephrosis Excludes: with infection ( N13.6 )</p> <p>N13.6 Pyonephrosis Conditions in N13.0-N13.5 with infection Obstructive uropathy with infection Use additional code (B95-B97), if desired, to identify infectious agent.</p> <p>N13.7 Vesicoureteral-reflux-associated uropathy Vesicoureteral reflux: · NOS · with scarring Excludes: reflux-associated pyelonephritis ( N11.0 )</p> <p>N13.8 Other obstructive and reflux uropathy</p> <p>N13.9 Obstructive and reflux uropathy, unspecified Urinary tract obstruction NOS</p>	Non-Communicable Diseases	Diabetes, urogenital, blood and endocrine diseases
N24		Non-Communicable Diseases	Diabetes, urogenital, blood and endocrine diseases



<p>N28.8 Other specified disorders of kidney and ureter</p> <p>Hypertrophy of kidney</p> <p>Megaloureter</p> <p>Nephroptosis</p> <p>Pyelitis</p> <p>Pyeloureteritis</p> <p>Ureteritis</p> <p>}</p> <p>N28.8-N28.9 }</p> <p>}</p> <p>cystica</p> <p>Ureterocele</p> <p>N28.9 Disorder of kidney and ureter, unspecified</p> <p>Nephropathy NOS</p> <p>Renal disease NOS</p> <p>Excludes: nephropathy NOS and renal disease NOS with morphological lesion specified in .0-.8 before N00.- ( N05.- )</p>	<p>Non-Communicable Diseases</p>	<p>Diabetes, urogenital, blood and endocrine diseases</p>
<p>N38</p>	<p>Non-Communicable Diseases</p>	<p>Diabetes, urogenital, blood and endocrine diseases</p>

<p>N39.9 Disorder of urinary system, unspecified N40 Hyperplasia of prostate  Adenofibromatous hypertrophy  Adenoma (benign)  Enlargement (benign)  Fibroadenoma  Fibroma  Hypertrophy (benign)  Myoma  }  N39.9-N40.9 }  }  }  }  }  }  }  of prostate  Median bar (prostate)  Prostatic obstruction NOS  Excludes: benign neoplasms, except adenoma, fibroma and myoma of prostate ( D29.1 )</p>	Non-Communicable Diseases	Diabetes, urogenital, blood and endocrine diseases
N54-N59	Non-Communicable Diseases	Diabetes, urogenital, blood and endocrine diseases
N66-N69	Non-Communicable Diseases	Diabetes, urogenital, blood and endocrine diseases
N78-N79	Non-Communicable Diseases	Diabetes, urogenital, blood and endocrine diseases
<p>N84 Polyp of female genital tract  Excludes: adenomatous polyp ( D28.- )  placental polyp ( O90.8 )</p>	Non-Communicable Diseases	Diabetes, urogenital, blood and endocrine diseases

<p>N84.2 Polyp of vagina  N84.3 Polyp of vulva  Polyp of labia  N84.8 Polyp of other parts of female genital tract  N84.9 Polyp of female genital tract, unspecified  N85 Other noninflammatory disorders of uterus, except cervix  Excludes: endometriosis ( N80.- )  inflammatory diseases of uterus ( N71.- )  noninflammatory disorders of cervix ( N86-N88 )  polyp of corpus uteri ( N84.0 )  uterine prolapse ( N81.- )  N85.0 Endometrial glandular hyperplasia  Hyperplasia of endometrium:  · NOS  · cystic  · glandular-cystic  · polypoid  N85.1 Endometrial adenomatous hyperplasia  Hyperplasia of endometrium, atypical (adenomatous)  N85.2 Hypertrophy of uterus  Bulky or enlarged uterus  Excludes: puerperal hypertrophy of uterus ( O90.8 )  N85.3 Subinvolution of uterus  Excludes: puerperal subinvolution of uterus ( O90.8 )  N85.4 Malposition of uterus  Anteversio  Retroflexio  Retroversio  }  }  }  of uterus  Excludes: that complicating pregnancy, labour or delivery ( O34.5 ,  O65.5 )  N85.5 Inversion of uterus  Excludes: current obstetric trauma ( O71.2 )  postpartum inversion of uterus ( O71.2 )  N85.6 Intrauterine synechiae  N85.7 Haematometra  Haematosalpinx with haematometra  Excludes: haematometra with haematocolpos ( N89.7 )  N85.8 Other specified noninflammatory disorders of uterus  Atrophy of uterus, acquired  Fibrosis of uterus NOS  N85.9 Noninflammatory disorder of uterus, unspecified  Disorder of uterus NOS</p>	<p>Non-Communicable Diseases</p>	<p>Diabetes, urogenital, blood and endocrine diseases</p>
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N86 Erosion and ectropion of cervix uteri  
Decubitus (trophic) ulcer  
Eversion  
}  
}  
of cervix  
Excludes: with cervicitis ( N72 )

<p>N88 Other noninflammatory disorders of cervix uteri Excludes: inflammatory disease of cervix ( N72 ) polyp of cervix ( N84.1 ) N88.0 Leukoplakia of cervix uteri N88.1 Old laceration of cervix uteri Adhesions of cervix Excludes: current obstetric trauma ( O71.3 ) N88.2 Stricture and stenosis of cervix uteri Excludes: complicating labour ( O65.5 ) N88.3 Incompetence of cervix uteri Investigation and management of (suspected) cervical incompetence in a nonpregnant woman Excludes: affecting fetus or newborn ( P01.0 ) complicating pregnancy ( O34.3 ) N88.4 Hypertrophic elongation of cervix uteri N88.8 Other specified noninflammatory disorders of cervix uteri Excludes: current obstetric trauma ( O71.3 ) N88.9 Noninflammatory disorder of cervix uteri, unspecified N89 Other noninflammatory disorders of vagina Excludes: carcinoma in situ of vagina ( D07.2 ) inflammation of vagina ( N76.- ) senile (atrophic) vaginitis ( N95.2 ) trichomonal leukorrhoea ( A59.0 ) N89.0 Mild vaginal dysplasia Vaginal intraepithelial neoplasia [VAIN], grade I N89.1 Moderate vaginal dysplasia Vaginal intraepithelial neoplasia [VAIN], grade II N89.2 Severe vaginal dysplasia, not elsewhere classified Severe vaginal dysplasia NOS Excludes: vaginal intraepithelial neoplasia [VAIN], grade III, with or without mention of severe dysplasia ( D07.2 ) N89.3 Dysplasia of vagina, unspecified N89.4 Leukoplakia of vagina N89.5 Stricture and atresia of vagina Vaginal: · adhesions · stenosis Excludes: postoperative adhesions of vagina ( N99.2 ) N89.6 Tight hymenal ring Rigid hymen Tight introitus Excludes: imperforate hymen ( Q52.3 ) N89.7 Haematocolpos Haematocolpos with haematometra or haematosalpinx N89.8 Other specified noninflammatory disorders of vagina Leukorrhoea NOS</p>	<p>Non-Communicable Diseases</p>	<p>Diabetes, urogenital, blood and endocrine diseases</p>
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Old vaginal laceration  
 Pessary ulcer of vagina  
 Excludes: current obstetric trauma ( O70.- , O71.4 , O71.7-O71.8 )  
 old laceration involving muscles of pelvic floor ( N81.8 )  
 N89.9 Noninflammatory disorder of vagina, unspecified  
 N90 Other noninflammatory disorders of vulva and perineum  
 Excludes: carcinoma in situ of vulva ( D07.1 )  
 current obstetric trauma ( O70.- , O71.7-O71.8 )  
 inflammation of vulva ( N76.- )  
 N90.0 Mild vulvar dysplasia  
 Vulvar intraepithelial neoplasia [VIN], grade I  
 N90.1 Moderate vulvar dysplasia  
 Vulvar intraepithelial neoplasia [VIN], grade II  
 N90.2 Severe vulvar dysplasia, not elsewhere classified  
 Severe vulvar dysplasia NOS  
 Excludes: vulvar intraepithelial neoplasia grade III, [VIN] with or  
 without mention of severe dysplasia ( D07.1 )  
 N90.3 Dysplasia of vulva, unspecified  
 N90.4 Leukoplakia of vulva  
 Dystrophy  
 Kraurosis  
 }  
 }  
 of vulva  
 N90.5 Atrophy of vulva  
 Stenosis of vulva  
 N90.6 Hypertrophy of vulva  
 Hypertrophy of labia  
 N90.7 Vulvar cyst  
 N90.8 Other specified noninflammatory disorders of vulva and  
 perineum  
 Adhesions of vulva  
 Hypertrophy of clitoris  
 N90.9 Noninflammatory disorder of vulva and perineum,  
 unspecified

<p>N92 Excessive, frequent and irregular menstruation Excludes: postmenopausal bleeding ( N95.0 )</p> <p>N92.0 Excessive and frequent menstruation with regular cycle Heavy periods NOS Menorrhagia NOS Polymenorrhoea</p> <p>N92.1 Excessive and frequent menstruation with irregular cycle Irregular intermenstrual bleeding Irregular, shortened intervals between menstrual bleeding Menometrorrhagia Metrorrhagia</p> <p>N92.2 Excessive menstruation at puberty Excessive bleeding associated with onset of menstrual periods Pubertal menorrhagia Puberty bleeding</p> <p>N92.3 Ovulation bleeding Regular intermenstrual bleeding</p> <p>N92.4 Excessive bleeding in the premenopausal period Menorrhagia or metrorrhagia: · climacteric · menopausal · preclimacteric · premenopausal</p> <p>N92.5 Other specified irregular menstruation</p> <p>N92.6 Irregular menstruation, unspecified Irregular: · bleeding NOS · periods NOS Excludes: irregular menstruation with: · lengthened intervals or scanty bleeding ( N91.3-N91.5 ) · shortened intervals or excessive bleeding ( N92.1 )</p> <p>N93 Other abnormal uterine and vaginal bleeding Excludes: neonatal vaginal haemorrhage ( P54.6 ) pseudomenses ( P54.6 )</p> <p>N93.0 Postcoital and contact bleeding</p> <p>N93.8 Other specified abnormal uterine and vaginal bleeding Dysfunctional or functional uterine or vaginal bleeding NOS</p> <p>N93.9 Abnormal uterine and vaginal bleeding, unspecified</p> <p>N94 Pain and other conditions associated with female genital organs and menstrual cycle</p> <p>N94.0 Mittelschmerz</p> <p>N94.1 Dyspareunia Excludes: psychogenic dyspareunia ( F52.6 )</p> <p>N94.2 Vaginismus Excludes: psychogenic vaginismus ( F52.5 )</p> <p>N94.3 Premenstrual tension syndrome</p>	<p>Non-Communicable Diseases</p>	<p>Diabetes, urogenital, blood and endocrine diseases</p>
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N94.4 Primary dysmenorrhoea  
N94.5 Secondary dysmenorrhoea  
N94.6 Dysmenorrhoea, unspecified  
N94.8 Other specified conditions associated with female genital  
organs and menstrual cycle  
N94.9 Unspecified condition associated with female genital organs  
and menstrual cycle



<p>N95.0</p> <p>N95 Menopausal and other perimenopausal disorders Excludes: excessive bleeding in the premenopausal period ( N92.4 ) postmenopausal: · osteoporosis ( M81.0 ) · with pathological fracture ( M80.0 ) · urethritis ( N34.2 ) premature menopause NOS ( E28.3 )</p>	<p>Non-Communicable Diseases</p>	<p>Diabetes, urogenital, blood and endocrine diseases</p>
<p>O08-O08.9</p> <p>O08 Complications following abortion and ectopic and molar pregnancy Note: This code is provided primarily for morbidity coding. For use of this category reference should be made to the morbidity coding rules and guidelines in Volume 2. O08.0 Genital tract and pelvic infection following abortion and ectopic and molar pregnancy Endometritis Oophoritis Parametritis Pelvic peritonitis Salpingitis Salpingo-oophoritis Sepsis Septic shock Septicaemia } following conditions classifiable to O00-O07 Excludes: septic or septicopyaemic embolism ( O08.2 ) urinary tract infection ( O08.8 ) O08.1 Delayed or excessive haemorrhage following abortion and ectopic and molar pregnancy Afibrinogenaemia Defibrination syndrome Intravascular coagulation } } } following conditions classifiable to O00-O07 O08.2 Embolism following abortion and ectopic and molar pregnancy Embolism:</p>	<p>Communicable, maternal, neonatal, and nutritional diseases</p>	<p>Maternal Disorders</p>

- NOS
- air
- amniotic fluid
- blood-clot
- pulmonary
- pyaemic
- septic or septicopyaemic
- soap

following conditions classifiable to O00-O07

O08.3 Shock following abortion and ectopic and molar pregnancy

Circulatory collapse

Shock (postoperative)

}

following conditions classifiable to O00-O07

Excludes: septic shock ( O08.0 )

O08.4 Renal failure following abortion and ectopic and molar pregnancy

Oliguria

Renal:

- failure (acute)
- shutdown
- tubular necrosis

Uraemia

following conditions classifiable to O00-O07

O08.5 Metabolic disorders following abortion and ectopic and molar pregnancy

Electrolyte imbalance following conditions classifiable to O00-O07

O08.6 Damage to pelvic organs and tissues following abortion and ectopic and molar pregnancy

Laceration, perforation, tear or chemical damage of:

- bladder
- bowel
- broad ligament
- cervix
- periurethral tissue
- uterus

following conditions classifiable to O00-O07

O08.7 Other venous complications following abortion and ectopic and molar pregnancy

O08.8 Other complications following abortion and ectopic and molar pregnancy

Cardiac arrest Urinary tract infection } } following conditions classifiable to O00-O07 O08.9 Complication following abortion and ectopic and molar pregnancy, unspecified Unspecified complication following conditions classifiable to O00-O07		
O17-O19	Communicable, maternal, neonatal, and nutritional diseases	Maternal Disorders
O27	Communicable, maternal, neonatal, and nutritional diseases	Maternal Disorders
O37-O39	Communicable, maternal, neonatal, and nutritional diseases	Maternal Disorders
O49-O59	Communicable, maternal, neonatal, and nutritional diseases	Maternal Disorders
O78-O79	Communicable, maternal, neonatal, and nutritional diseases	Maternal Disorders

<p>O94 Sequelae of complication of pregnancy, childbirth and the puerperium Note: This category is to be used for morbidity coding only to indicate conditions in categories O00-O75 and O85-O92 as the cause of sequelae, which are themselves classified elsewhere. The 'sequelae' include conditions specified as such or as late effects, or those present one year or more after the onset of the causal condition.</p> <p>O93-O95.9 Not to be used for chronic complications of pregnancy, childbirth and the puerperium. Code these to O00-O75 and O85-O92 .</p> <p>Excl.: that resulting in death (O96.-, O97.-) O95 Obstetric death of unspecified cause Incl.: Maternal death from unspecified cause occurring during pregnancy, labour and delivery, or the puerperium</p>	<p>Communicable, maternal, neonatal, and nutritional diseases</p>	<p>Maternal Disorders</p>
P06	Communicable, maternal, neonatal, and nutritional diseases	Neonatal Disorders
P16-P18	Communicable, maternal, neonatal, and nutritional diseases	Neonatal Disorders
P30-P34.2	Communicable, maternal, neonatal, and nutritional diseases	Neonatal Disorders
P40-P49	Communicable, maternal, neonatal, and nutritional diseases	Neonatal Disorders
P62-P69	Communicable, maternal, neonatal, and nutritional diseases	Neonatal Disorders
P73	Communicable, maternal, neonatal, and nutritional diseases	Neonatal Disorders

P79		Communicable, maternal, neonatal, and nutritional diseases	Neonatal Disorders
P82		Communicable, maternal, neonatal, and nutritional diseases	Neonatal Disorders
P85-P89		Communicable, maternal, neonatal, and nutritional diseases	Neonatal Disorders
P96.9-P99.9	P96.9 Condition originating in the perinatal period, unspecified Congenital debility NOS	Communicable, maternal, neonatal, and nutritional diseases	Neonatal Disorders
Q08-Q10.3	<p>Q10 Congenital malformations of eyelid, lacrimal apparatus and orbit</p> <p>Excludes: cryptophthalmos:</p> <ul style="list-style-type: none"> <li>· NOS ( Q11.2 )</li> <li>· syndrome ( Q87.0 )</li> </ul> <p>Q10.0 Congenital ptosis</p> <p>Q10.1 Congenital ectropion</p> <p>Q10.2 Congenital entropion</p> <p>Q10.3 Other congenital malformations of eyelid</p> <p>Ablepharon</p> <p>Absence or agenesis of:</p> <ul style="list-style-type: none"> <li>· cilia</li> <li>· eyelid</li> </ul> <p>Accessory:</p> <ul style="list-style-type: none"> <li>· eyelid</li> <li>· eye muscle</li> </ul> <p>Blepharophimosis, congenital</p> <p>Coloboma of eyelid</p> <p>Congenital malformation of eyelid NOS</p>	Non-Communicable Diseases	Other non-communicable diseases
Q19		Non-Communicable Diseases	Other non-communicable diseases
Q29		Non-Communicable Diseases	Other non-communicable diseases

Q36.0-Q36.9	Q36 Cleft lip Includes: cheiloschisis congenital fissure of lip harelip labium leporinum Excludes: cleft lip with cleft palate ( Q37.- ) Q36.0 Cleft lip, bilateral Q36.1 Cleft lip, median Q36.9 Cleft lip, unilateral Cleft lip NOS	Non-Communicable Diseases	Other non-communicable diseases
Q46-Q49		Non-Communicable Diseases	Other non-communicable diseases
Q88		Non-Communicable Diseases	Other non-communicable diseases
Q89.9	Q89.9 Congenital malformation, unspecified Congenital: · anomaly NOS · deformity NOS	Non-Communicable Diseases	Other non-communicable diseases
Q94		Non-Communicable Diseases	Other non-communicable diseases

Q99.9 Chromosomal abnormality, unspecified R00 Abnormalities of heart beat  
 Excludes: abnormalities originating in the perinatal period ( P29.1 )  
 specified arrhythmias ( I47-I49 )  
 R00.0 Tachycardia, unspecified  
 Rapid heart beat  
 R00.1 Bradycardia, unspecified  
 Slow heart beat  
 Use additional external cause code (Chapter XX), if desired, to identify drug, if drug-induced.  
 R00.2 Palpitations  
 Awareness of heart beat  
 R00.8 Other and unspecified abnormalities of heart beat  
 R01 Cardiac murmurs and other cardiac sounds  
 Excludes: those originating in the perinatal period ( P29.8 )  
 R01.0 Benign and innocent cardiac murmurs  
 Functional cardiac murmur  
 R01.1 Cardiac murmur, unspecified  
 Cardiac bruit NOS  
 R01.2 Other cardiac sounds  
 Cardiac dullness, increased or decreased  
 Precordial friction

Q99.9-R01.2

Non-Communicable Diseases

Other non-communicable diseases

R07	R07 Pain in throat and chest Excludes: dysphagia ( R13 ) epidemic myalgia ( B33.0 ) pain in: · breast ( N64.4 ) · neck ( M54.2 ) sore throat (acute) NOS ( J02.9 )	Non-Communicable Diseases	Other non-communicable diseases
R07.1-R07.9	R07.1 Chest pain on breathing Painful respiration R07.2 Precordial pain R07.3 Other chest pain Anterior chest-wall pain NOS R07.4 Chest pain, unspecified	Non-Communicable Diseases	Other non-communicable diseases
R31-R31.9	R31 Unspecified haematuria Excludes: recurrent or persistent haematuria ( N02.- )	Non-Communicable Diseases	Diabetes, urogenital, blood and endocrine diseases





## Additional tables and figures for Chapters 5-8

Table S4 Mortality rate per 100,000 with uncertainty intervals in 1-4 year old males for 150 upper tier local authorities compared with England for all-causes and top 10 causes of death in 2017

Males 1 to 4

Males 1 to 4													Mortality rate compared to England
													Higher than England
													Similar to England
													Lower than England
		All causes	Congenital birth defects	Lower respiratory infections	Endocrine, metabolic, blood, and immune disorders	Brain and nervous system cancer	Meningitis	Leukemia	Other malignant neoplasms	Road injuries	Neonatal disorders	Drowning	
North East	County Durham	14.66 [11.34-18.15]	2.81 [1.88-4.14]	0.99 [0.63-1.42]	0.92 [0.56-1.45]	0.78 [0.46-1.23]	0.65 [0.41-1.02]	0.68 [0.43-1.04]	0.69 [0.41-1.14]	0.66 [0.42-0.96]	0.63 [0.39-0.94]	0.54 [0.36-0.76]	
	Darlington	17.82 [13.59-22.79]	3.44 [2.24-5.16]	1.27 [0.83-1.86]	1.29 [0.78-1.99]	0.90 [0.54-1.38]	1.08 [0.66-1.60]	0.89 [0.54-1.35]	0.81 [0.50-1.22]	0.70 [0.44-1.06]	0.74 [0.45-1.16]	0.50 [0.32-0.73]	
	Gateshead	12.83 [9.65-16.23]	2.41 [1.61-3.69]	0.98 [0.64-1.39]	0.82 [0.52-1.27]	0.71 [0.42-1.09]	0.46 [0.28-0.79]	0.59 [0.35-0.90]	0.68 [0.40-1.03]	0.47 [0.30-0.71]	0.51 [0.31-0.80]	0.50 [0.33-0.73]	
	Hartlepool	23.27 [17.43-29.69]	3.92 [2.51-6.25]	1.36 [1.26-2.89]	1.36 [0.84-2.00]	1.10 [0.68-1.64]	1.17 [0.71-1.79]	1.03 [0.62-1.55]	1.14 [0.71-1.72]	1.14 [0.50-1.30]	1.16 [0.73-1.76]	0.84 [0.54-1.26]	
	Middlesbrough	20.64 [15.45-26.31]	3.94 [2.60-5.56]	1.88 [1.20-2.76]	1.10 [0.68-1.77]	0.89 [0.52-1.38]	0.93 [0.57-1.40]	0.96 [0.57-1.48]	0.97 [0.58-1.47]	0.78 [0.48-1.22]	0.98 [0.60-1.48]	0.66 [0.44-0.97]	
	Newcastle upon Tyne	18.79 [14.53-23.30]	3.34 [2.25-4.95]	1.42 [0.95-2.01]	1.30 [0.80-1.94]	0.93 [0.56-1.43]	0.89 [0.56-1.34]	0.79 [0.50-1.18]	0.97 [0.61-1.47]	0.65 [0.41-0.99]	0.76 [0.47-1.16]	0.85 [0.57-1.20]	
	North Tyneside	15.36 [11.63-19.38]	2.90 [1.95-4.46]	1.10 [0.72-1.61]	0.98 [0.59-1.59]	0.82 [0.48-1.34]	0.58 [0.34-1.03]	0.75 [0.45-1.15]	0.93 [0.54-1.42]	0.50 [0.31-0.76]	0.63 [0.38-0.98]	0.55 [0.37-0.80]	
	Northumberland	15.41 [11.86-19.14]	3.12 [2.13-4.27]	1.05 [0.68-1.53]	1.12 [0.67-1.65]	0.85 [0.54-1.27]	0.67 [0.40-0.98]	0.67 [0.42-1.03]	0.68 [0.42-0.99]	0.62 [0.39-0.93]	0.53 [0.32-0.79]	0.53 [0.36-0.74]	
	Redcar and Cleveland	15.41 [11.53-19.71]	3.01 [1.97-4.52]	1.22 [0.78-1.80]	0.74 [0.44-1.39]	0.95 [0.53-1.49]	0.65 [0.39-1.13]	0.81 [0.48-1.24]	0.80 [0.45-1.30]	0.62 [0.39-0.95]	0.70 [0.42-1.08]	0.44 [0.28-0.63]	
	South Tyneside	17.01 [14.08-20.40]	3.44 [2.47-4.65]	1.28 [0.88-1.84]	0.97 [0.60-1.47]	0.86 [0.54-1.26]	0.71 [0.44-1.05]	0.77 [0.50-1.13]	0.92 [0.59-1.39]	0.60 [0.38-0.89]	0.67 [0.44-1.01]	0.62 [0.42-0.86]	
	Stockton-on-Tees	19.43 [14.75-24.35]	3.48 [2.39-5.54]	1.53 [1.01-2.21]	1.18 [0.75-1.85]	1.12 [0.67-1.79]	0.83 [0.52-1.30]	0.99 [0.63-1.54]	1.17 [0.67-1.79]	0.76 [0.48-1.17]	0.88 [0.53-1.38]	0.76 [0.49-1.09]	
	Sunderland	18.88 [14.41-23.60]	3.42 [2.31-4.99]	1.53 [1.02-2.21]	1.22 [0.77-1.79]	0.84 [0.51-1.27]	1.10 [0.67-1.62]	0.78 [0.49-1.18]	0.90 [0.56-1.36]	0.66 [0.43-0.99]	0.75 [0.46-1.12]	0.63 [0.42-0.89]	
	North West	Blackburn with Darwen	34.68 [24.62-47.93]	6.46 [4.12-9.63]	2.88 [1.82-4.37]	2.48 [1.31-3.82]	1.72 [0.98-2.75]	1.60 [0.89-2.67]	1.41 [0.83-2.23]	1.30 [0.78-2.08]	1.22 [0.74-1.99]	1.50 [0.93-2.32]	1.18 [0.74-1.80]
		Blackpool	26.42 [22.91-30.22]	4.37 [2.94-6.44]	2.29 [1.59-3.16]	1.78 [1.08-2.68]	1.06 [0.72-1.54]	1.27 [0.84-1.77]	1.17 [0.78-1.73]	1.00 [0.66-1.44]	0.79 [0.51-1.20]	1.26 [0.84-1.79]	1.06 [0.72-1.44]
Bolton		21.91 [19.22-24.92]	4.01 [2.86-5.80]	1.80 [1.24-2.52]	1.62 [1.03-2.37]	1.09 [0.71-1.60]	1.34 [0.90-1.88]	1.06 [0.67-1.59]	1.04 [0.68-1.48]	0.77 [0.52-1.14]	0.99 [0.65-1.48]	0.60 [0.42-0.82]	
Bury		18.80 [16.40-21.46]	3.64 [2.61-5.20]	1.30 [0.89-1.80]	1.23 [0.75-1.82]	0.98 [0.60-1.52]	0.75 [0.48-1.19]	0.86 [0.56-1.31]	0.88 [0.54-1.31]	0.60 [0.40-0.87]	0.87 [0.57-1.29]	0.74 [0.51-1.01]	
Cheshire East		16.15 [14.18-18.34]	2.98 [2.16-4.13]	1.17 [0.81-1.59]	1.09 [0.73-1.58]	0.97 [0.66-1.39]	0.60 [0.39-0.90]	0.73 [0.49-1.03]	0.73 [0.46-1.08]	0.77 [0.51-1.08]	0.71 [0.48-1.04]	0.67 [0.49-0.92]	
Cheshire West and Chester		17.12 [14.96-19.53]	3.25 [2.37-4.48]	1.17 [0.80-1.62]	1.10 [0.72-1.58]	1.01 [0.65-1.47]	0.84 [0.56-1.22]	0.86 [0.55-1.28]	0.82 [0.53-1.19]	0.79 [0.52-1.11]	0.70 [0.46-1.02]	0.67 [0.47-0.89]	
Cumbria		17.99 [15.78-20.43]	3.43 [2.51-4.63]	1.09 [0.76-1.53]	1.06 [0.72-1.56]	0.99 [0.65-1.45]	0.66 [0.43-1.01]	0.83 [0.55-1.20]	0.92 [0.62-1.31]	0.86 [0.59-1.23]	0.76 [0.51-1.07]	0.90 [0.63-1.20]	
Halton		30.24 [26.35-34.81]	5.39 [3.85-7.36]	2.55 [1.78-3.51]	1.95 [1.27-2.77]	1.53 [1.02-2.20]	1.96 [1.13-2.77]	1.41 [0.93-2.04]	1.12 [0.70-1.59]	1.05 [0.67-1.49]	1.36 [0.89-2.06]	1.07 [0.75-1.47]	
Knowsley		18.41 [13.56-24.59]	3.50 [2.30-5.45]	1.60 [1.02-2.44]	1.26 [0.72-1.92]	0.91 [0.54-1.42]	0.97 [0.59-1.46]	0.80 [0.47-1.30]	0.78 [0.46-1.29]	0.68 [0.42-1.08]	0.82 [0.50-1.31]	0.51 [0.32-0.76]	
Lancashire		21.45 [17.25-26.20]	4.05 [2.82-5.73]	1.70 [1.13-2.54]	1.34 [0.85-1.95]	1.12 [0.73-1.66]	1.01 [0.64-1.45]	0.93 [0.60-1.37]	0.86 [0.56-1.26]	0.85 [0.55-1.25]	0.99 [0.63-1.50]	0.78 [0.53-1.13]	
Liverpool		19.54 [15.20-24.84]	3.55 [2.41-5.25]	1.87 [1.27-2.72]	1.17 [0.74-1.81]	0.85 [0.53-1.35]	1.00 [0.61-1.49]	0.86 [0.56-1.31]	0.83 [0.53-1.25]	0.69 [0.44-1.06]	0.83 [0.53-1.25]	0.66 [0.45-0.96]	
Manchester		18.65 [14.92-22.99]	3.35 [2.24-4.86]	1.58 [1.08-2.23]	1.21 [0.78-1.85]	0.79 [0.46-1.40]	0.85 [0.55-1.27]	0.79 [0.49-1.19]	0.71 [0.44-1.13]	0.64 [0.41-0.99]	0.86 [0.56-1.26]	0.68 [0.45-0.96]	
Oldham		24.62 [21.52-28.12]	4.82 [3.62-6.51]	1.77 [1.28-2.39]	1.63 [1.03-2.29]	1.07 [0.71-1.52]	1.47 [0.99-2.07]	0.95 [0.63-1.39]	1.01 [0.65-1.42]	0.80 [0.53-1.17]	1.09 [0.72-1.53]	0.76 [0.53-1.03]	
Rochdale		23.24 [20.38-26.45]	4.27 [3.07-5.78]	1.96 [1.40-2.65]	1.54 [0.95-2.23]	1.06 [0.71-1.49]	1.19 [0.80-1.66]	0.99 [0.65-1.46]	0.97 [0.63-1.37]	0.80 [0.54-1.15]	1.04 [0.69-1.52]	0.81 [0.57-1.14]	
Salford		19.83 [17.38-22.58]	3.88 [2.79-5.14]	1.72 [1.22-2.36]	1.49 [0.91-2.08]	0.81 [0.52-1.20]	0.91 [0.60-1.34]	0.88 [0.59-1.26]	0.81 [0.54-1.15]	0.69 [0.46-1.01]	0.81 [0.54-1.19]	0.60 [0.44-0.84]	
Sefton		20.14 [17.64-23.00]	3.73 [2.73-5.20]	1.55 [1.09-2.10]	1.39 [0.88-1.97]	1.03 [0.68-1.48]	1.05 [0.71-1.47]	0.92 [0.62-1.33]	0.94 [0.62-1.34]	0.66 [0.43-0.98]	0.86 [0.58-1.21]	0.67 [0.47-0.91]	
St. Helens		20.98 [18.17-24.07]	4.05 [2.98-5.70]	1.89 [1.32-2.57]	1.43 [0.92-2.11]	1.03 [0.65-1.49]	0.86 [0.55-1.35]	1.02 [0.64-1.50]	0.79 [0.48-1.33]	0.70 [0.46-1.03]	0.97 [0.64-1.41]	0.61 [0.43-0.85]	
Stockport		16.50 [14.45-18.79]	3.06 [2.18-4.49]	1.11 [0.77-1.51]	1.21 [0.76-1.81]	0.99 [0.61-1.43]	0.69 [0.45-1.03]	0.77 [0.52-1.13]	0.77 [0.48-1.15]	0.58 [0.39-0.87]	0.72 [0.47-1.04]	0.56 [0.39-0.77]	
Tameside		17.61 [15.41-20.04]	3.44 [2.52-4.84]	1.33 [0.95-1.86]	1.07 [0.71-1.61]	0.83 [0.53-1.27]	0.96 [0.65-1.39]	0.76 [0.51-1.13]	0.82 [0.52-1.23]	0.56 [0.38-0.81]	0.84 [0.55-1.25]	0.60 [0.42-0.82]	
Trafford		14.88 [13.06-16.97]	2.59 [1.78-3.98]	0.91 [0.62-1.27]	1.01 [0.66-1.52]	0.92 [0.58-1.35]	0.82 [0.55-1.19]	0.71 [0.46-1.05]	0.73 [0.46-1.09]	0.52 [0.33-0.74]	0.70 [0.46-1.02]	0.53 [0.38-0.73]	
Warrington		19.82 [17.31-22.61]	3.67 [2.67-5.14]	1.07 [1.32-2.57]	1.07 [0.72-1.79]	0.98 [0.70-1.54]	0.97 [0.66-1.38]	0.97 [0.65-1.43]	0.80 [0.53-1.20]	0.77 [0.53-1.08]	0.88 [0.58-1.32]	0.71 [0.50-0.96]	
Wigan		14.09 [12.37-16.01]	2.57 [1.85-3.82]	0.89 [0.73-1.49]	0.72 [0.54-1.39]	0.75 [0.44-1.16]	0.70 [0.46-1.06]	0.65 [0.43-1.00]	0.62 [0.37-1.10]	0.51 [0.35-0.73]	0.65 [0.40-0.99]	0.65 [0.49-0.93]	
Wirral		19.03 [16.71-21.66]	3.61 [2.66-4.85]	1.55 [1.09-2.10]	1.38 [0.79-1.96]	0.97 [0.65-1.37]	0.74 [0.48-1.13]	0.89 [0.59-1.30]	0.83 [0.54-1.19]	0.65 [0.45-0.94]	0.75 [0.49-1.10]	0.68 [0.48-0.94]	
Yorkshire & Humber	Barnsley	21.14 [18.47-24.25]	4.12 [2.96-5.57]	1.52 [1.05-2.04]	1.11 [0.76-1.61]	1.11 [0.71-1.59]	1.31 [0.80-1.91]	0.98 [0.65-1.38]	0.84 [0.56-1.19]	0.94 [0.64-1.35]	1.02 [0.67-1.49]	0.57 [0.40-0.77]	
	Bradford	24.52 [19.83-29.91]	4.62 [3.23-6.39]	2.04 [1.39-2.89]	1.65 [0.97-2.40]	1.14 [0.73-1.66]	1.07 [0.67-1.57]	1.07 [0.68-1.55]	1.01 [0.67-1.50]	1.09 [0.69-1.57]	1.02 [0.66-1.50]	0.66 [0.44-0.90]	
	Calderdale	26.60 [20.02-34.73]	5.16 [3.40-7.61]	2.09 [1.37-3.04]	2.04 [1.04-3.15]	1.22 [0.74-1.86]	1.41 [0.77-2.13]	1.17 [0.72-1.80]	1.20 [0.71-1.87]	1.05 [0.66-1.62]	1.02 [0.64-1.52]	0.94 [0.61-1.38]	
	Doncaster	14.20 [12.35-16.29]	2.89 [2.13-3.90]	1.01 [0.70-1.39]	0.88 [0.55-1.29]	0.74 [0.50-1.08]	0.67 [0.44-0.99]	0.68 [0.46-0.98]	0.75 [0.50-1.07]	0.63 [0.43-0.93]	0.63 [0.42-0.90]	0.40 [0.28-0.56]	
	East Riding of Yorkshire	14.15 [12.34-16.16]	2.81 [2.06-3.79]	0.98 [0.66-1.35]	0.87 [0.58-1.23]	0.86 [0.55-1.23]	0.67 [0.44-0.96]	0.72 [0.48-1.04]	0.63 [0.41-0.91]	0.76 [0.51-1.07]	0.54 [0.35-0.79]	0.48 [0.34-0.66]	
	Kingston upon Hull	19.79 [17.28-22.71]	3.53 [2.52-5.04]	1.52 [1.04-2.10]	1.20 [0.78-1.81]	1.02 [0.69-1.47]	1.19 [0.80-1.69]	0.85 [0.56-1.29]	0.88 [0.55-1.26]	0.68 [0.45-1.00]	0.83 [0.54-1.25]	0.64 [0.45-0.87]	
	Kirklees	23.11 [17.77-29.44]	4.75 [3.29-6.77]	1.96 [1.30-2.81]	1.60 [0.91-2.40]	1.15 [0.70-1.78]	0.86 [0.50-1.35]	1.07 [0.66-1.61]	1.01 [0.64-1.53]	0.94 [0.60-1.41]	0.96 [0.60-1.44]	0.62 [0.41-0.88]	
	Leeds	16.89 [13.88-20.30]	3.03 [2.07-4.53]	1.22 [0.83-1.7									

## Males 1 to 4

Mortality rate compared to England

Higher than England

Similar to England

Lower than England

Region	Local Authority	Rate per 100,000 population										
		2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
East Midlands	Derby	21.48	4.01	1.82	1.52	1.09	1.10	0.99	0.90	0.87	0.89	0.77
		[14.75-29.59]	[2.41-5.93]	[1.06-2.77]	[0.84-2.30]	[0.64-1.74]	[0.60-1.72]	[0.58-1.57]	[0.53-1.46]	[0.51-1.38]	[0.52-1.43]	[0.47-1.14]
	Derbyshire	15.78	2.91	1.08	0.97	0.91	0.79	0.79	0.71	0.72	0.69	0.53
		[12.68-18.89]	[2.03-4.30]	[0.74-1.52]	[0.60-1.43]	[0.56-1.34]	[0.52-1.16]	[0.51-1.16]	[0.43-1.08]	[0.47-1.05]	[0.45-1.00]	[0.36-0.73]
	Leicester	21.62	4.31	1.98	1.48	0.89	1.05	0.94	0.82	0.87	0.86	0.70
		[17.29-25.96]	[3.04-5.62]	[1.34-2.83]	[0.87-2.16]	[0.58-1.32]	[0.65-1.59]	[0.61-1.37]	[0.51-1.16]	[0.57-1.30]	[0.55-1.23]	[0.47-0.97]
	Leicestershire	14.24	2.59	1.00	1.13	0.94	0.58	0.75	0.66	0.74	0.58	0.46
		[11.32-17.12]	[1.77-3.77]	[0.69-1.44]	[0.66-1.65]	[0.55-1.36]	[0.38-0.86]	[0.48-1.10]	[0.41-1.04]	[0.50-1.06]	[0.37-0.85]	[0.32-0.66]
	Lincolnshire	14.85	2.85	0.92	1.12	0.83	0.65	0.70	0.65	0.90	0.63	0.51
		[10.62-19.57]	[1.78-4.19]	[0.56-1.38]	[0.63-1.77]	[0.49-1.29]	[0.38-1.03]	[0.42-1.07]	[0.39-1.05]	[0.54-1.37]	[0.37-1.00]	[0.32-0.75]
West Midlands	Northamptonshire	16.78	2.95	1.19	1.11	0.92	0.87	0.83	0.80	0.85	0.71	0.55
		[13.30-20.29]	[1.99-4.28]	[0.81-1.70]	[0.68-1.64]	[0.58-1.36]	[0.57-1.28]	[0.53-1.24]	[0.51-1.19]	[0.56-1.19]	[0.45-1.08]	[0.37-0.76]
	Nottingham	19.14	3.49	1.43	1.36	0.87	0.95	0.79	0.84	0.74	0.80	0.72
		[13.05-26.44]	[2.19-5.59]	[0.86-2.17]	[0.74-2.19]	[0.49-1.46]	[0.55-1.48]	[0.44-1.30]	[0.49-1.29]	[0.44-1.17]	[0.44-1.25]	[0.44-1.10]
	Nottinghamshire	11.71	2.15	0.75	0.81	0.68	0.56	0.54	0.55	0.57	0.50	0.39
		[9.13-14.37]	[1.48-3.19]	[0.51-1.09]	[0.48-1.26]	[0.40-1.07]	[0.37-0.84]	[0.34-0.80]	[0.32-0.89]	[0.36-0.85]	[0.31-0.79]	[0.26-0.56]
	Rutland	24.06	4.81	1.70	1.79	1.58	1.35	1.22	1.04	1.91	0.79	0.52
		[19.66-29.25]	[3.23-6.68]	[1.16-2.46]	[0.92-2.62]	[0.65-2.39]	[0.64-2.01]	[0.74-1.85]	[0.59-1.61]	[1.26-2.75]	[0.48-1.22]	[0.35-0.75]
	Birmingham	24.47	4.73	1.91	1.90	1.08	0.97	1.04	1.00	0.90	0.98	0.79
		[20.53-28.88]	[3.50-6.38]	[1.35-2.58]	[1.07-2.76]	[0.69-1.56]	[0.63-1.42]	[0.68-1.51]	[0.66-1.45]	[0.60-1.29]	[0.63-1.43]	[0.54-1.10]
Greater London	Coventry	20.27	3.77	1.39	1.59	0.96	1.33	0.84	0.75	0.76	0.82	0.66
		[17.80-23.01]	[2.76-5.01]	[1.01-1.88]	[0.92-2.23]	[0.64-1.38]	[0.83-1.93]	[0.55-1.20]	[0.45-1.12]	[0.52-1.11]	[0.54-1.18]	[0.47-0.89]
	Dudley	20.98	4.10	1.49	1.75	1.04	1.01	1.03	0.90	0.78	0.84	0.57
		[18.31-23.89]	[2.98-5.57]	[1.04-2.05]	[0.98-2.50]	[0.70-1.48]	[0.64-1.47]	[0.67-1.44]	[0.60-1.28]	[0.52-1.10]	[0.55-1.20]	[0.40-0.79]
	Herefordshire, County of	20.99	3.90	1.27	1.42	1.26	0.66	1.04	0.86	1.20	0.79	1.26
		[18.30-24.05]	[2.83-5.12]	[0.88-1.74]	[0.91-2.04]	[0.76-1.88]	[0.42-1.08]	[0.69-1.51]	[0.57-1.24]	[0.81-1.72]	[0.50-1.14]	[0.89-1.71]
	Sandwell	21.00	4.06	1.63	1.83	0.90	0.79	0.93	0.89	0.76	0.88	0.77
		[17.13-25.57]	[2.94-5.64]	[1.12-2.31]	[0.95-2.72]	[0.57-1.38]	[0.50-1.27]	[0.61-1.35]	[0.56-1.35]	[0.49-1.11]	[0.58-1.31]	[0.52-1.07]
	Shropshire	21.90	4.60	1.51	1.14	1.30	0.88	1.05	0.91	1.27	0.80	1.10
		[19.17-24.92]	[3.43-6.03]	[1.03-2.13]	[0.75-1.72]	[0.77-1.94]	[0.54-1.29]	[0.68-1.53]	[0.61-1.33]	[0.87-1.75]	[0.52-1.18]	[0.79-1.51]
East of England	Solihull	20.97	4.45	1.37	1.47	1.25	0.78	1.10	1.04	0.95	0.76	0.46
		[18.28-24.02]	[3.30-5.79]	[0.91-1.91]	[0.96-2.07]	[0.76-1.85]	[0.49-1.18]	[0.73-1.57]	[0.66-1.54]	[0.64-1.35]	[0.50-1.12]	[0.32-0.63]
	Staffordshire	18.41	3.53	1.24	1.13	1.06	0.76	0.85	0.87	0.91	0.78	0.60
		[15.24-21.99]	[2.52-4.88]	[0.83-1.74]	[0.74-1.66]	[0.66-1.56]	[0.49-1.15]	[0.57-1.22]	[0.57-1.26]	[0.61-1.32]	[0.49-1.13]	[0.42-0.85]
	Stoke-on-Trent	23.23	4.67	1.55	1.43	1.12	1.29	0.94	1.08	0.94	1.09	0.64
		[19.11-28.02]	[3.40-6.49]	[1.05-2.28]	[0.93-2.14]	[0.72-1.65]	[0.84-1.88]	[0.61-1.38]	[0.71-1.57]	[0.62-1.37]	[0.70-1.64]	[0.44-0.90]
	Telford and Wrekin	20.13	3.93	1.44	1.17	1.07	1.31	0.93	0.93	0.98	0.90	0.54
		[17.44-23.05]	[2.88-5.22]	[1.01-1.96]	[0.79-1.71]	[0.72-1.58]	[0.76-1.93]	[0.62-1.34]	[0.62-1.35]	[0.66-1.41]	[0.61-1.27]	[0.37-0.75]
	Walsall	24.53	4.56	1.94	1.97	1.09	1.24	1.03	0.94	0.82	1.01	0.85
		[19.88-29.96]	[3.15-6.35]	[1.32-2.76]	[1.03-2.89]	[0.72-1.63]	[0.79-1.78]	[0.66-1.57]	[0.59-1.40]	[0.52-1.25]	[0.66-1.49]	[0.59-1.22]
South East	Warwickshire	16.46	3.12	1.23	1.18	0.97	0.60	0.81	0.76	0.83	0.64	0.66
		[13.44-19.93]	[2.23-4.47]	[0.85-1.72]	[0.74-1.74]	[0.63-1.44]	[0.37-0.93]	[0.51-1.21]	[0.48-1.11]	[0.56-1.19]	[0.43-0.98]	[0.45-0.93]
	Wolverhampton	21.56	3.91	1.77	1.56	1.02	0.92	0.90	0.91	0.77	0.88	0.84
		[18.84-24.59]	[2.88-5.38]	[1.28-2.43]	[0.96-2.20]	[0.68-1.42]	[0.61-1.36]	[0.60-1.28]	[0.61-1.31]	[0.50-1.08]	[0.57-1.26]	[0.60-1.13]
	Worcestershire	18.17	3.42	1.33	1.31	1.05	0.83	0.83	0.80	0.83	0.65	0.74
		[14.71-22.19]	[2.45-4.71]	[0.89-1.91]	[0.82-1.90]	[0.65-1.55]	[0.53-1.22]	[0.52-1.22]	[0.52-1.20]	[0.56-1.22]	[0.42-0.95]	[0.49-1.04]
	Barking and Dagenham	15.71	2.87	1.38	0.87	0.78	0.89	0.76	0.93	0.51	0.69	0.43
		[13.62-17.90]	[2.10-4.03]	[0.95-1.90]	[0.54-1.25]	[0.52-1.17]	[0.60-1.28]	[0.50-1.11]	[0.60-1.32]	[0.35-0.75]	[0.45-1.00]	[0.30-0.60]
	Barnet	12.20	2.07	0.94	0.90	0.80	0.53	0.63	0.55	0.44	0.51	0.45
		[10.52-13.91]	[1.44-3.32]	[0.66-1.31]	[0.48-1.33]	[0.48-1.20]	[0.34-0.80]	[0.43-0.90]	[0.34-0.93]	[0.30-0.63]	[0.34-0.73]	[0.32-0.61]
North East	Bexley	19.95	3.73	1.33	1.55	1.24	0.83	1.10	1.02	0.72	0.89	0.58
		[17.26-22.89]	[2.76-5.24]	[0.94-1.83]	[0.79-2.21]	[0.79-1.78]	[0.54-1.22]	[0.72-1.59]	[0.67-1.51]	[0.47-1.02]	[0.59-1.25]	[0.41-0.79]
	Brent	17.63	3.00	1.28	1.07	0.86	0.79	0.89	0.72	0.56	0.82	0.69
		[15.32-20.08]	[2.15-4.46]	[0.89-1.78]	[0.65-1.62]	[0.51-1.32]	[0.53-1.11]	[0.57-1.31]	[0.44-1.14]	[0.37-0.80]	[0.54-1.23]	[0.49-0.94]
	Bromley	11.89	2.22	0.79	0.80	0.91	0.55	0.61	0.60	0.47	0.49	0.40
		[10.34-13.55]	[1.59-3.31]	[0.55-1.07]	[0.47-1.21]	[0.50-1.32]	[0.35-0.85]	[0.39-0.90]	[0.37-1.01]	[0.31-0.68]	[0.33-0.72]	[0.28-0.55]
	Camden	18.39	2.74	1.44	1.16	0.95	1.00	0.87	0.77	0.58	0.74	0.70
		[12.68-26.34]	[1.56-4.91]	[0.88-2.28]	[0.66-2.00]	[0.52-1.68]	[0.57-1.64]	[0.49-1.50]	[0.41-1.38]	[0.33-0.95]	[0.42-1.20]	[0.44-1.18]
	Croydon	13.52	2.58	0.94	0.86	0.74	0.64	0.66	0.57	0.47	0.60	0.36
		[11.61-15.57]	[1.85-3.58]	[0.63-1.32]	[0.53-1.29]	[0.47-1.11]	[0.43-0.92]	[0.44-0.96]	[0.35-0.92]	[0.30-0.65]	[0.39-0.89]	[0.25-0.50]
London	Ealing	20.18	3.47	1.86	1.40	1.01	0.90	0.86	0.79	0.72	0.85	0.91
		[17.35-23.23]	[2.49-4.95]	[1.28-2.52]	[0.82-1.98]	[0.64-1.46]	[0.61-1.30]	[0.56-1.28]	[0.51-1.19]	[0.47-1.05]	[0.56-1.23]	[0.65-1.23]
	Enfield	14.53	2.57	1.13	0.84	0.82	0.74	0.79	0.61	0.60	0.62	0.55
		[12.57-16.64]	[1.86-3.86]	[0.80-1.53]	[0.52-1.27]	[0.51-1.23]	[0.50-1.10]	[0.52-1.14]	[0.38-1.05]	[0.41-0.88]	[0.40-0.92]	[0.39-0.76]
	Greenwich	15.07	2.67	1.08	0.82	0.81	0.85	0.72	0.67	0.57	0.70	0.55
		[13.00-17.24]	[1.91-4.07]	[0.77-1.48]	[0.52-1.27]	[0.51-1.30]	[0.57-1.25]	[0.45-1.03]	[0.41-1.13]	[0.38-0.84]	[0.45-0.99]	[0.39-0.75]
	Hackney	16.17	2.48	1.24	1.14	0.63	0.90	0.67	0.64	0.50	0.67	0.66
		[14.01-18.55]	[1.74-3.63]	[0.86-1.69]	[0.72-1.64]	[0.33-1.11]	[0.59-1.32]	[0.44-1.00]	[0.39-0.98]	[0.33-0.73]	[0.44-0.96]	[0.47-0.92]
	Hammersmith and Fulham	15.34	2.23	1.05	1.07	0.81	0.99	0.69	0.62	0.52	0.61	0.69
		[13.39-17.51]	[1.51-3.92]	[0.73-1.47]	[0.64-1.65]	[0.45-1.49]	[0.62-1.44]	[0.44-1.06]	[0.36-1.16]	[0.35-0.75]	[0.38-0.90]	[0.49-0.95]
North West	Haringey	21.07	3.28	1.58	1.51	1.05	1.22	0.91	0.86	0.71	0.93	0.85
		[18.25-24.05]	[2.26-5.42]	[1.13-2.13]	[0.80-2.33]	[0.61-1.76]	[0.81-1.80]	[0.57-1.44]	[0.47-1.54]	[0.47-1.03]	[0.59-1.35]	[0.60-1.17]
	Harrow	18.94	3.39	1.31	1.50	1.21	1.02	1.02	0.97	0.69	0.87	0.55
		[16.56-21.79]	[2.45-4.83]	[0.90-1.84]	[0.77-2.20]	[0.78-1.75]	[0.6					

## Males 1 to 4

Mortality rate  
compared to England

Higher than England  
Similar to England  
Lower than England

		All causes	Congenital birth defects	Lower respiratory infections	Endocrine, metabolic, blood, and immune disorders	Brain and nervous system cancer	Meningitis	Leukemia	Other malignant neoplasms	Road injuries	Neonatal disorders	Drowning
East of England	Bedford	23.39 [16.51-31.36]	4.11 [2.62-6.16]	1.62 [1.03-2.39]	1.58 [0.87-2.39]	1.29 [0.71-2.02]	1.00 [0.59-1.54]	0.98 [0.57-1.55]	0.97 [0.58-1.47]	0.97 [0.58-1.51]	0.93 [0.53-1.45]	1.46 [0.89-2.20]
	Cambridgeshire	14.24 [11.64-16.84]	2.58 [1.83-3.61]	0.86 [0.60-1.19]	1.03 [0.63-1.49]	0.89 [0.59-1.29]	0.61 [0.39-0.92]	0.68 [0.45-1.00]	0.66 [0.42-0.98]	0.78 [0.52-1.15]	0.56 [0.38-0.84]	0.60 [0.41-0.83]
	Central Bedfordshire	25.53 [18.36-33.53]	4.80 [3.10-7.01]	2.00 [1.27-2.97]	1.66 [0.89-2.58]	1.49 [0.77-2.37]	1.10 [0.59-1.72]	1.08 [0.64-1.73]	1.03 [0.61-1.60]	1.33 [0.82-2.00]	0.88 [0.50-1.37]	0.90 [0.57-1.33]
	Essex	12.56 [10.15-15.17]	2.25 [1.59-3.35]	0.85 [0.57-1.20]	0.89 [0.52-1.32]	0.76 [0.47-1.14]	0.62 [0.40-0.96]	0.63 [0.42-0.91]	0.62 [0.39-0.97]	0.57 [0.38-0.83]	0.49 [0.31-0.71]	0.43 [0.30-0.62]
	Hertfordshire	12.77 [10.55-15.09]	2.41 [1.72-3.30]	1.00 [0.70-1.37]	0.86 [0.54-1.25]	0.80 [0.49-1.15]	0.58 [0.38-0.84]	0.62 [0.40-0.92]	0.58 [0.37-0.86]	0.55 [0.37-0.79]	0.47 [0.30-0.68]	0.44 [0.31-0.60]
	Luton	28.46 [19.95-38.01]	5.83 [3.67-8.48]	2.33 [1.42-3.51]	1.95 [0.99-3.09]	1.31 [0.76-1.98]	1.20 [0.67-1.88]	1.04 [0.62-1.60]	1.20 [0.73-1.92]	1.22 [0.71-1.95]	1.08 [0.65-1.72]	0.86 [0.52-1.27]
	Norfolk	11.82 [9.48-14.26]	2.17 [1.53-3.37]	0.68 [0.46-0.98]	0.84 [0.48-1.25]	0.75 [0.43-1.14]	0.54 [0.33-0.85]	0.58 [0.37-0.89]	0.59 [0.35-0.96]	0.63 [0.41-0.91]	0.63 [0.27-0.67]	0.51 [0.36-0.72]
	Peterborough	29.17 [20.73-38.96]	4.90 [3.10-7.38]	2.22 [1.40-3.25]	2.06 [1.11-3.22]	1.65 [0.90-2.68]	1.19 [0.69-1.82]	1.39 [0.83-2.18]	1.28 [0.77-2.03]	1.26 [0.77-1.90]	1.14 [0.70-1.79]	1.21 [0.76-1.83]
	Southend-on-Sea	19.77 [13.82-26.87]	3.66 [2.28-5.57]	1.50 [0.89-2.24]	1.43 [0.74-2.29]	1.17 [0.64-1.70]	0.95 [0.65-1.82]	0.90 [0.55-1.49]	0.90 [0.53-1.48]	0.90 [0.38-0.97]	0.63 [0.48-1.25]	0.60 [0.37-0.92]
	Suffolk	13.02 [10.67-15.40]	2.38 [1.68-3.47]	0.89 [0.60-1.27]	0.92 [0.53-1.35]	0.57 [0.31-1.30]	0.64 [0.36-0.90]	0.65 [0.42-0.92]	0.65 [0.40-0.99]	0.65 [0.43-0.95]	0.50 [0.32-0.74]	0.45 [0.31-0.61]
	Thurrock	23.94 [16.72-32.36]	4.39 [2.70-6.58]	1.79 [1.11-2.75]	1.69 [0.91-2.55]	1.33 [0.77-2.07]	1.55 [0.82-2.51]	1.12 [0.67-1.79]	1.05 [0.65-1.63]	1.06 [0.63-1.64]	0.94 [0.56-1.48]	0.79 [0.50-1.22]
	Bath and North East Somerset	12.80 [10.77-15.15]	2.46 [1.75-3.47]	0.80 [0.56-1.16]	0.91 [0.54-1.33]	0.91 [0.54-1.31]	0.48 [0.31-0.72]	0.62 [0.39-0.92]	0.63 [0.41-0.94]	0.55 [0.37-0.79]	0.45 [0.29-0.69]	0.61 [0.42-0.86]
	Bournemouth	16.55 [12.51-21.06]	3.12 [2.09-4.45]	1.27 [0.82-1.81]	1.32 [0.68-1.98]	0.96 [0.58-1.45]	0.42 [0.25-0.86]	0.85 [0.52-1.34]	0.67 [0.41-1.04]	0.59 [0.36-0.90]	0.57 [0.35-0.88]	0.62 [0.39-0.89]
	Bristol, City of	14.30 [10.46-18.60]	2.72 [1.83-3.96]	0.98 [0.62-1.45]	0.95 [0.57-1.45]	0.83 [0.47-1.27]	0.73 [0.45-1.10]	0.64 [0.38-0.99]	0.58 [0.32-0.94]	0.61 [0.37-0.93]	0.56 [0.34-0.85]	0.64 [0.42-0.95]
	Cornwall	14.77 [11.51-18.17]	2.74 [1.86-3.75]	0.89 [0.58-1.28]	1.00 [0.59-1.50]	0.86 [0.52-1.29]	0.55 [0.34-0.88]	0.71 [0.44-1.05]	0.72 [0.44-1.07]	0.68 [0.44-0.98]	0.54 [0.36-0.83]	0.79 [0.53-1.10]
South West	Devon	15.46 [13.22-17.88]	2.99 [2.21-4.07]	1.01 [0.72-1.40]	1.10 [0.67-1.58]	1.02 [0.63-1.47]	0.61 [0.40-0.90]	0.76 [0.49-1.07]	0.73 [0.49-1.02]	0.67 [0.45-0.96]	0.57 [0.38-0.82]	0.64 [0.46-0.87]
	Dorset	16.52 [12.18-21.22]	2.93 [1.90-4.33]	0.98 [0.63-1.44]	1.23 [0.69-1.92]	1.10 [0.62-1.65]	0.75 [0.45-1.14]	0.78 [0.47-1.19]	0.73 [0.44-1.10]	0.67 [0.55-1.29]	0.60 [0.36-0.91]	0.57 [0.37-0.82]
	Gloucestershire	12.21 [8.93-15.91]	2.33 [1.52-3.50]	0.83 [0.53-1.26]	0.74 [0.45-1.18]	0.78 [0.43-1.22]	0.55 [0.34-0.86]	0.57 [0.34-0.87]	0.54 [0.31-0.96]	0.63 [0.39-0.99]	0.47 [0.28-0.73]	0.52 [0.33-0.78]
	North Somerset	16.67 [12.43-21.32]	3.62 [2.38-5.12]	0.99 [0.64-1.45]	0.85 [0.53-1.41]	1.07 [0.65-1.67]	0.78 [0.48-1.20]	0.87 [0.53-1.35]	0.79 [0.49-1.18]	0.64 [0.40-1.00]	0.63 [0.40-0.98]	0.69 [0.44-1.00]
	Plymouth	16.07 [11.12-22.15]	3.25 [1.96-4.92]	1.08 [0.66-1.66]	1.05 [0.60-1.68]	0.92 [0.54-1.47]	0.81 [0.46-1.31]	0.74 [0.41-1.21]	1.00 [0.56-1.64]	0.55 [0.31-0.86]	0.57 [0.34-0.90]	0.59 [0.36-0.90]
	Poole	24.22 [18.29-30.60]	4.66 [3.08-6.60]	1.77 [1.15-2.63]	1.71 [0.98-2.61]	1.61 [0.79-2.54]	1.11 [0.65-1.68]	1.16 [0.70-1.77]	1.04 [0.66-1.61]	1.09 [0.60-1.44]	0.91 [0.56-1.40]	0.77 [0.49-1.09]
	Somerset	17.96 [13.49-22.85]	3.52 [2.35-4.92]	1.18 [0.76-1.73]	1.20 [0.70-1.81]	1.13 [0.65-1.75]	0.72 [0.43-1.13]	0.88 [0.55-1.33]	0.73 [0.44-1.12]	0.98 [0.62-1.44]	0.61 [0.38-0.94]	0.72 [0.47-1.04]
	South Gloucestershire	13.47 [9.97-17.23]	2.88 [1.93-4.07]	0.79 [0.50-1.18]	0.91 [0.56-1.42]	1.03 [0.54-1.58]	0.49 [0.28-0.78]	0.66 [0.42-0.98]	0.67 [0.42-1.01]	0.60 [0.41-1.00]	0.50 [0.31-0.75]	0.40 [0.26-0.58]
	Swindon	13.61 [9.91-17.61]	2.36 [1.50-3.77]	1.08 [0.68-1.60]	0.85 [0.52-1.35]	0.67 [0.49-1.31]	0.63 [0.42-1.05]	0.73 [0.38-0.99]	0.63 [0.43-1.11]	0.58 [0.35-0.89]	0.51 [0.31-0.78]	0.58 [0.25-0.58]
	Torbay	22.18 [16.34-28.92]	4.40 [2.92-6.36]	1.52 [0.95-2.30]	1.75 [0.89-2.62]	1.46 [0.81-2.26]	0.84 [0.50-1.38]	1.09 [0.67-1.68]	0.98 [0.58-1.54]	0.85 [0.40-1.01]	0.80 [0.47-1.25]	0.89 [0.57-1.28]
	Wiltshire	16.13 [12.13-20.42]	3.00 [2.02-4.30]	1.19 [0.78-1.72]	0.96 [0.59-1.46]	1.01 [0.59-1.54]	0.84 [0.51-1.24]	0.77 [0.47-1.19]	0.69 [0.42-1.02]	1.00 [0.64-1.46]	0.56 [0.35-0.85]	0.70 [0.46-1.01]
South East	Bracknell Forest	15.52 [11.00-21.28]	3.22 [2.06-4.64]	1.25 [0.78-1.90]	0.98 [0.57-1.56]	1.01 [0.53-1.62]	0.52 [0.29-0.87]	0.77 [0.44-1.21]	0.64 [0.38-1.06]	0.65 [0.39-1.08]	0.57 [0.33-0.93]	0.56 [0.36-0.88]
	Brighton and Hove	19.57 [17.06-22.41]	3.58 [2.60-5.10]	1.46 [1.02-1.99]	1.32 [0.82-1.93]	1.13 [0.74-1.60]	1.05 [0.70-1.49]	0.86 [0.58-1.24]	0.88 [0.58-1.25]	0.65 [0.44-0.92]	0.74 [0.48-1.07]	0.71 [0.51-0.98]
	Buckinghamshire	13.58 [10.62-16.94]	2.46 [1.68-3.54]	0.91 [0.61-1.32]	0.97 [0.58-1.45]	0.89 [0.55-1.36]	0.72 [0.47-1.09]	0.60 [0.38-0.90]	0.63 [0.39-0.94]	0.65 [0.42-0.95]	0.46 [0.29-0.70]	0.46 [0.32-0.66]
	East Sussex	14.69 [12.90-16.75]	3.20 [2.32-4.21]	1.01 [0.69-1.44]	0.94 [0.59-1.39]	0.89 [0.57-1.27]	0.68 [0.44-0.97]	0.70 [0.47-1.01]	0.67 [0.42-1.04]	0.66 [0.45-0.93]	0.51 [0.35-0.73]	0.50 [0.36-0.68]
	Hampshire	11.99 [9.82-14.54]	2.06 [1.42-3.24]	0.79 [0.54-1.11]	0.85 [0.51-1.22]	0.85 [0.48-1.22]	0.51 [0.32-0.75]	0.62 [0.41-0.90]	0.66 [0.42-0.94]	0.57 [0.37-0.85]	0.46 [0.30-0.69]	0.41 [0.27-0.58]
	Isle of Wight	21.36 [12.78-33.97]	4.36 [2.36-7.36]	1.52 [0.79-2.63]	1.29 [0.69-2.27]	1.34 [0.65-2.32]	0.94 [0.48-1.69]	0.99 [0.49-1.76]	0.96 [0.50-1.67]	0.87 [0.46-1.47]	0.74 [0.38-1.27]	0.72 [0.40-1.27]
	Kent	12.41 [10.19-14.93]	2.24 [1.56-3.32]	0.85 [0.59-1.17]	0.85 [0.51-1.28]	0.76 [0.46-1.17]	0.62 [0.40-0.97]	0.60 [0.38-0.89]	0.58 [0.35-0.98]	0.56 [0.37-0.79]	0.48 [0.32-0.73]	0.48 [0.32-0.67]
	Medway	13.64 [11.90-15.56]	2.72 [1.98-3.76]	0.90 [0.61-1.24]	0.75 [0.49-1.16]	0.76 [0.48-1.10]	0.77 [0.53-1.11]	0.64 [0.41-0.95]	0.82 [0.53-1.16]	0.54 [0.36-0.78]	0.54 [0.36-0.81]	0.44 [0.31-0.60]
	Milton Keynes	15.95 [13.99-18.14]	2.89 [2.16-3.95]	1.39 [0.99-1.88]	0.98 [0.66-1.39]	0.89 [0.60-1.27]	0.84 [0.55-1.17]	0.75 [0.50-1.10]	0.82 [0.56-1.20]	0.79 [0.54-1.13]	0.63 [0.43-0.89]	0.58 [0.41-0.77]
	Oxfordshire	15.45 [12.09-19.43]	2.81 [1.87-4.06]	1.05 [0.72-1.52]	1.15 [0.67-1.68]	0.98 [0.59-1.46]	0.81 [0.50-1.22]	0.77 [0.48-1.17]	0.68 [0.43-0.99]	0.80 [0.52-1.19]	0.54 [0.34-0.83]	0.67 [0.45-0.94]
	Portsmouth	14.76 [10.34-20.43]	2.68 [1.69-4.19]	1.09 [0.67-1.66]	1.22 [0.61-1.94]	0.78 [0.45-1.27]	0.69 [0.39-1.10]	0.69 [0.41-1.09]	0.73 [0.43-1.17]	0.51 [0.29-0.86]	0.68 [0.41-1.09]	0.50 [0.31-0.80]
	Reading	20.05 [17.33-23.19]	3.53 [2.55-4.62]	1.75 [1.21-2.44]	1.58 [0.90-2.24]	1.01 [0.64-1.44]	0.79 [0.53-1.13]	0.84 [0.55-1.22]	0.77 [0.52-1.12]	0.71 [0.47-1.00]	0.74 [0.48-1.09]	1.17 [0.82-1.61]
	Slough	25.03 [21.85-28.55]	4.98 [3.61-6.56]	2.28 [1.61-3.03]	1.60 [1.05-2.30]	1.18 [0.80-1.63]	1.39 [0.83-2.02]	0.93 [0.60-1.35]	0.98 [0.67-1.42]	0.98 [0.66-1.38]	0.90 [0.59-1.29]	1.37 [0.98-1.87]
	Southampton	14.77 [12.86-16.91]	2.79 [2.05-3.89]	0.99 [0.70-1.40]	1.05 [0.59-1.47]	0.77 [0.49-1.18]	0.57 [0.36-0.86]	0.65 [0.43-0.92]	0.85 [0.57-1.21]	0.62 [0.40-0.89]	0.55 [0.36-0.79]	0.60 [0.42-0.81]
	Surrey	9.10 [7.36-11.18]	1.69 [1.14-2.62]	0.61 [0.41-0.86]	0.59 [0.37-0.97]	0.66 [0.38-1.06]	0.40 [0.25-0.63]	0.46 [0.28-0.70]	0.47 [0.28-0.84]	0.39 [0.25-0.57]	0.35 [0.22-0.54]	0.35 [0.24-0.49]
	West Berkshire	15.08 [13.06-17.41]	3.17 [2.32-4.14]	1.09 [0.75-1.51]	0.90 [0.59-1.39]	1.03 [0.64-1.51]	0.78 [0.51-1.12]	0.69 [0.45-0.98]	0.72 [0.47-1.04]	0.78 [0.52-1.11]	0.53 [0.35-0.77]	0.58 [0.41-0.80]
	West Sussex	11.46 [9.29-14.06]	2.17 [1.55-3.20]	0.73 [0.50-1.03]	0.75 [0.46-1.17]	0.77 [0.46-1.14]	0.59 [0.38-0.89]	0.58 [0.36-0.91]	0.55 [0.33-0.90]	0.52 [0.35-0.77]	0.44 [0.28-0.65]	0.40 [0.27-0.56]
	Windsor and Maidenhead	21.09 [15.27-28.60]	3.97 [2.55-5.83]	1.69 [1.07-2.55]	1.30 [0.77-2.03]	1.33 [0.80-2.12]	0.67 [0.40-1.09]	0.91 [0.54-1.44]	0.87 [0.51-1.38]	1.00 [0.58-1.50]	0.76 [0.45-1.19]	1.13 [0.73-1.65]
	Wokingham	15.71 [11.36-21.37]	3.04 [1.99-4.51]	1.20 [0.76-1.81]	0.87 [0.52-1.41]	1.24 [0.61-1.97]	0.71 [0.40-1.11]	0.78 [0.45-1.21]	0.73 [0.42-1.20]	0.79 [0.49-1.22]	0.52 [0.32-0.84]	0.51 [0.33-0.79]



Table S5 Mortality rate per 100,000 with uncertainty intervals in 1-4 year old females for 150 upper tier local authorities compared with England for all-causes and top 10 causes of death in 2017

Females 1 to 4

		All causes	Congenital birth defects	Lower respiratory infections	Endocrine, metabolic, blood and immune disorders	Other malignant neoplasms	Leukemia	Brain and nervous system cancer	Meningitis	Road injuries	Other neurological disorders	Neonatal disorders	Mortality rate compared to England	
													Higher than England	Similar to England
North East	County Durham	12.11 [9.20-15.37]	2.26 [1.41-4.17]	0.87 [0.58-1.26]	0.98 [0.56-1.69]	0.70 [0.36-1.14]	0.51 [0.28-0.87]	0.60 [0.31-0.96]	0.45 [0.28-0.68]	0.44 [0.27-0.64]	0.39 [0.21-0.65]	0.43 [0.26-0.65]		
	Darlington	20.16 [14.59-26.65]	4.07 [2.65-5.81]	1.62 [1.00-2.44]	1.22 [0.71-1.90]	1.01 [0.57-1.65]	0.83 [0.49-1.31]	0.72 [0.42-1.12]	1.14 [0.67-1.76]	0.87 [0.54-1.30]	0.78 [0.46-1.21]	0.72 [0.45-1.10]		
	Gateshead	14.13 [10.61-18.13]	2.51 [1.52-4.04]	1.18 [0.78-1.68]	0.92 [0.55-1.46]	0.78 [0.46-1.24]	0.62 [0.38-0.93]	0.57 [0.33-0.89]	0.61 [0.38-0.91]	0.51 [0.31-0.76]	0.53 [0.31-0.78]	0.55 [0.35-0.83]		
	Hartlepool	21.10 [15.45-27.44]	4.74 [3.18-6.90]	2.02 [1.31-2.87]	1.11 [0.67-1.75]	1.04 [0.63-1.64]	0.91 [0.55-1.37]	0.65 [0.39-1.01]	0.84 [0.49-1.31]	0.73 [0.46-1.07]	0.40 [0.24-0.68]	0.81 [0.49-1.22]		
	Middlesbrough	18.17 [13.47-23.23]	3.84 [2.53-5.70]	1.72 [1.13-2.44]	1.19 [0.73-1.88]	0.93 [0.55-1.44]	0.77 [0.47-1.20]	0.68 [0.39-1.07]	0.69 [0.43-1.08]	0.67 [0.44-0.95]	0.56 [0.35-0.86]	0.65 [0.41-0.99]		
	Newcastle upon Tyne	23.64 [18.41-29.11]	4.66 [3.15-6.54]	1.89 [1.29-2.66]	1.51 [0.90-2.34]	1.11 [0.71-1.71]	1.13 [0.71-1.62]	0.90 [0.57-1.31]	1.12 [0.73-1.61]	0.84 [0.57-1.21]	0.76 [0.47-1.17]	0.80 [0.52-1.21]		
	North Tyneside	16.00 [12.24-20.10]	3.11 [2.07-4.72]	1.40 [0.94-1.98]	0.93 [0.57-1.49]	0.84 [0.51-1.28]	0.66 [0.42-1.03]	0.67 [0.39-0.99]	0.84 [0.54-1.23]	0.57 [0.37-0.82]	0.44 [0.27-0.69]	0.52 [0.33-0.77]		
	Northumberland	9.88 [7.38-12.73]	2.01 [1.27-3.37]	0.70 [0.44-1.03]	0.70 [0.36-1.35]	0.52 [0.27-0.89]	0.42 [0.24-0.69]	0.49 [0.26-0.77]	0.36 [0.22-0.56]	0.36 [0.22-0.54]	0.35 [0.20-0.59]	0.33 [0.20-0.51]		
	Redcar and Cleveland	13.47 [11.64-15.66]	2.44 [1.64-4.82]	1.16 [0.79-1.57]	0.99 [0.57-1.74]	0.80 [0.45-1.22]	0.59 [0.35-0.94]	0.68 [0.36-1.02]	0.59 [0.39-0.86]	0.54 [0.35-0.75]	0.45 [0.26-0.71]	0.54 [0.35-0.81]		
	South Tyneside	15.50 [11.49-20.00]	3.15 [2.03-4.66]	1.40 [0.93-2.01]	1.00 [0.56-1.55]	0.78 [0.47-1.22]	0.59 [0.34-0.92]	0.67 [0.40-1.06]	0.57 [0.34-0.90]	0.47 [0.30-0.68]	0.58 [0.32-0.87]	0.52 [0.32-0.78]		
	Stockton-on-Tees	15.24 [11.43-19.41]	3.20 [2.11-4.64]	1.39 [0.92-2.00]	1.04 [0.61-1.56]	0.92 [0.56-1.47]	0.73 [0.46-1.10]	0.64 [0.38-0.95]	0.59 [0.35-0.91]	0.57 [0.37-0.83]	0.53 [0.32-0.82]	0.51 [0.32-0.75]		
	Sunderland	19.29 [14.82-24.06]	3.42 [2.23-5.61]	1.71 [1.15-2.43]	1.22 [0.71-1.93]	1.00 [0.60-1.56]	0.77 [0.47-1.18]	0.75 [0.45-1.12]	0.93 [0.61-1.39]	0.71 [0.47-1.03]	0.59 [0.37-0.90]	0.71 [0.46-1.05]		
North West	Blackburn with Darwen	30.96 [21.79-42.49]	6.31 [3.80-10.19]	2.90 [1.82-4.43]	1.80 [0.88-3.00]	1.80 [0.84-3.19]	1.27 [0.72-1.99]	1.04 [0.61-1.61]	1.32 [0.77-2.08]	1.16 [0.72-1.81]	0.95 [0.52-1.52]	1.08 [0.65-1.66]		
	Blackpool	29.93 [26.32-33.90]	6.27 [4.57-8.32]	2.67 [1.89-3.57]	1.49 [0.97-2.21]	1.36 [0.87-2.11]	1.20 [0.81-1.73]	0.99 [0.66-1.44]	1.32 [0.90-1.84]	0.93 [0.67-1.28]	0.67 [0.42-0.99]	1.02 [0.73-1.41]		
	Bolton	17.23 [15.13-19.33]	3.47 [2.41-4.96]	1.53 [1.11-2.03]	1.16 [0.74-1.65]	0.92 [0.59-1.41]	0.77 [0.49-1.16]	0.73 [0.46-1.08]	0.81 [0.54-1.16]	0.68 [0.49-0.93]	0.52 [0.33-0.78]	0.62 [0.43-0.87]		
	Bury	24.12 [21.06-27.24]	5.03 [3.56-6.97]	2.38 [1.71-3.15]	1.22 [0.77-1.82]	1.11 [0.70-1.68]	1.04 [0.67-1.53]	0.83 [0.54-1.22]	0.87 [0.55-1.32]	0.90 [0.62-1.25]	0.68 [0.44-1.00]	0.77 [0.51-1.09]		
	Cheshire East	19.44 [16.89-22.11]	3.96 [2.86-5.35]	1.53 [1.06-2.09]	1.08 [0.69-1.62]	0.95 [0.64-1.38]	0.90 [0.60-1.27]	0.82 [0.54-1.19]	0.91 [0.62-1.25]	0.91 [0.63-1.24]	0.67 [0.42-0.99]	0.67 [0.46-0.93]		
	Cheshire West and Chester	20.44 [17.87-23.14]	4.05 [2.84-5.56]	1.69 [1.19-2.29]	1.15 [0.75-1.72]	0.97 [0.64-1.41]	1.04 [0.69-1.49]	0.85 [0.55-1.23]	0.80 [0.53-1.16]	0.86 [0.61-1.18]	0.54 [0.35-0.79]	0.71 [0.48-1.00]		
	Cumbria	15.98 [13.98-18.01]	3.20 [2.30-4.44]	1.04 [0.74-1.42]	0.93 [0.61-1.50]	0.85 [0.55-1.27]	0.65 [0.44-0.96]	0.73 [0.46-1.07]	0.80 [0.53-1.11]	0.73 [0.52-0.99]	0.60 [0.39-0.86]	0.55 [0.38-0.76]		
	Halton	23.37 [20.56-26.48]	4.62 [3.23-6.39]	2.34 [1.68-3.12]	1.23 [0.80-1.81]	1.22 [0.78-1.92]	0.96 [0.62-1.40]	0.82 [0.53-1.18]	1.20 [0.78-1.69]	0.70 [0.50-0.98]	0.82 [0.54-1.23]	0.71 [0.48-1.00]		
	Knowsley	30.97 [21.91-42.36]	6.85 [4.26-10.19]	3.17 [1.94-4.71]	1.74 [0.97-2.80]	1.31 [0.74-2.11]	1.20 [0.70-1.92]	1.10 [0.62-1.77]	0.94 [0.57-1.63]	1.04 [0.62-1.60]	0.88 [0.52-1.43]	1.08 [0.65-1.64]		
	Lancashire	15.95 [12.96-19.28]	3.27 [2.29-4.57]	1.31 [0.90-1.83]	0.97 [0.61-1.53]	0.80 [0.50-1.20]	0.68 [0.43-1.01]	0.62 [0.39-0.93]	0.77 [0.50-1.10]	0.59 [0.40-0.82]	0.51 [0.32-0.77]	0.57 [0.38-0.82]		
	Liverpool	15.94 [12.93-19.50]	3.12 [2.09-4.60]	1.59 [1.12-2.21]	1.09 [0.70-1.62]	0.76 [0.46-1.12]	0.70 [0.44-1.08]	0.58 [0.35-0.92]	0.59 [0.38-0.88]	0.61 [0.42-0.86]	0.48 [0.29-0.73]	0.56 [0.36-0.80]		
	Manchester	17.10 [13.89-20.74]	3.30 [2.23-4.81]	1.35 [0.91-1.88]	1.32 [0.84-2.03]	0.90 [0.54-1.35]	0.69 [0.43-1.08]	0.67 [0.37-1.05]	0.67 [0.43-0.98]	0.57 [0.38-0.80]	0.57 [0.34-0.90]	0.63 [0.42-0.91]		
	Oldham	27.67 [24.08-31.28]	5.85 [4.29-8.11]	2.17 [1.56-2.88]	1.65 [0.98-2.48]	1.31 [0.85-1.88]	1.04 [0.69-1.53]	0.97 [0.65-1.39]	1.26 [0.81-1.81]	0.93 [0.64-1.27]	1.05 [0.66-1.49]	1.00 [0.69-1.43]		
	Rochdale	19.89 [17.44-22.33]	4.10 [2.94-5.65]	1.73 [1.25-2.34]	1.25 [0.80-1.78]	0.95 [0.63-1.35]	0.83 [0.56-1.22]	0.66 [0.42-0.94]	0.98 [0.66-1.37]	0.66 [0.46-0.92]	0.78 [0.50-1.12]	0.72 [0.50-1.02]		
	Salford	19.52 [17.20-21.90]	4.16 [3.07-5.48]	1.69 [1.20-2.24]	1.15 [0.76-1.71]	0.92 [0.62-1.36]	0.74 [0.49-1.08]	0.75 [0.50-1.10]	0.80 [0.54-1.14]	0.79 [0.56-1.08]	0.73 [0.48-1.06]	0.65 [0.45-0.91]		
	Sefton	14.28 [12.67-15.97]	3.03 [2.23-4.09]	1.20 [0.85-1.61]	0.87 [0.56-1.37]	0.66 [0.41-0.94]	0.63 [0.43-0.90]	0.62 [0.40-0.89]	0.57 [0.38-0.82]	0.52 [0.37-0.71]	0.44 [0.28-0.63]	0.47 [0.32-0.66]		
	St. Helens	17.98 [15.94-20.25]	3.55 [2.49-4.94]	1.72 [1.25-2.29]	1.22 [0.78-1.73]	0.81 [0.53-1.22]	0.74 [0.49-1.09]	0.63 [0.40-0.91]	0.52 [0.34-0.90]	0.57 [0.41-0.79]	0.50 [0.31-0.73]	0.63 [0.44-0.90]		
	Stockport	13.72 [12.14-15.37]	2.80 [1.99-3.91]	1.00 [0.72-1.33]	0.94 [0.60-1.41]	0.77 [0.47-1.16]	0.66 [0.43-0.98]	0.62 [0.39-0.92]	0.49 [0.33-0.73]	0.47 [0.34-0.65]	0.51 [0.32-0.76]	0.47 [0.32-0.69]		
	Tameside	18.69 [16.40-20.97]	3.97 [2.90-5.41]	1.47 [1.05-1.97]	1.18 [0.79-1.71]	0.99 [0.66-1.46]	0.77 [0.53-1.15]	0.76 [0.49-1.10]	1.16 [0.79-1.60]	0.62 [0.43-0.86]	0.51 [0.34-0.74]	0.70 [0.48-1.01]		
	Trafford	17.97 [15.62-20.37]	3.66 [2.61-5.17]	1.34 [0.96-1.84]	1.19 [0.75-1.76]	0.83 [0.67-1.49]	0.75 [0.56-1.21]	0.75 [0.49-1.08]	0.57 [0.37-0.91]	0.65 [0.45-0.91]	0.54 [0.36-0.80]	0.69 [0.47-0.97]		
	Warrington	16.44 [14.49-18.41]	3.46 [2.51-4.58]	1.75 [1.28-2.33]	0.88 [0.58-1.32]	0.79 [0.53-1.17]	0.69 [0.45-0.95]	0.58 [0.38-0.84]	0.68 [0.46-0.96]	0.56 [0.40-0.76]	0.36 [0.22-0.57]	0.56 [0.39-0.78]		
	Wigan	15.63 [13.74-17.57]	3.20 [2.32-4.44]	1.47 [1.06-1.96]	0.94 [0.61-1.41]	0.83 [0.55-1.24]	0.66 [0.43-0.97]	0.63 [0.40-0.92]	0.53 [0.33-0.84]	0.56 [0.39-0.76]	0.30 [0.19-0.52]	0.58 [0.39-0.80]		
	Wirral	22.11 [19.27-24.97]	4.69 [3.43-6.34]	1.99 [1.44-2.66]	1.28 [0.75-1.91]	1.04 [0.67-1.58]	0.98 [0.64-1.43]	0.83 [0.55-1.20]	1.10 [0.69-1.56]	0.71 [0.50-0.98]	0.68 [0.43-1.01]	0.68 [0.46-0.98]		
Yorkshire & Humber	Barnsley	20.21 [17.72-22.84]	4.00 [2.81-5.71]	1.77 [1.25-2.39]	1.21 [0.77-1.88]	1.10 [0.72-1.65]	0.94 [0.62-1.42]	0.84 [0.56-1.22]	0.92 [0.62-1.31]	0.64 [0.45-0.89]	0.71 [0.45-1.05]	0.76 [0.52-1.07]		
	Bradford	22.95 [19.14-27.12]	4.88 [3.43-6.69]	1.90 [1.34-2.57]	1.44 [0.77-2.20]	1.16 [0.72-1.79]	1.03 [0.67-1.48]	0.85 [0.56-1.25]	0.83 [0.54-1.31]	0.93 [0.67-1.28]	1.10 [0.58-1.63]	0.81 [0.55-1.15]		
	Calderdale	25.21 [18.22-34.00]	4.90 [3.06-7.69]	2.26 [1.43-3.44]	1.50 [0.78-2.41]	1.38 [0.71-2.45]	1.05 [0.63-1.63]	1.01 [0.59-1.66]	1.20 [0.69-1.86]	1.13 [0.72-1.74]	0.79 [0.45-1.22]	0.87 [0.52-1.32]		
	Doncaster	18.23 [16.11-20.54]	3.84 [2.78-5.05]	1.57 [1.14-2.09]	1.15 [0.72-1.66]	0.93 [0.63-1.38]	0.80 [0.54-1.13]	0.77 [0.49-1.10]	0.77 [0.50-1.12]	0.68 [0.48-0.92]	0.70 [0.43-1.01]	0.63 [0.43-0.90]		
	East Riding of Yorkshire	17.79 [15.66-20.04]	3.86 [2.89-4.98]	1.37 [0.98-1.87]	1.13 [0.71-1.68]	0.91 [0.60-1.40]	0.82 [0.54-1.18]	0.90 [0.54-1.35]	0.73 [0.47-1.06]	0.77 [0.54-1.06]	0.55 [0.35-0.80]	0.59 [0.41-0.83]		
	Kingston upon Hull	17.11 [												

		All causes	Congenital birth defects	Lower respiratory infections	Endocrine, metabolic, blood, and immune disorders	Other malignant neoplasms	Leukemia	Brain and nervous system cancer	Meningitis	Road injuries	Other neurological disorders	Neonatal disorders
East Midlands	Derby	19.80 [13.81-26.82]	3.85 [2.36-6.08]	1.89 [1.17-2.86]	1.27 [0.69-2.04]	1.08 [0.62-1.74]	0.85 [0.49-1.33]	0.72 [0.41-1.15]	0.92 [0.56-1.46]	0.72 [0.44-1.07]	0.55 [0.33-0.87]	0.65 [0.40-1.01]
	Derbyshire	13.94 [10.67-17.66]	2.71 [1.82-4.22]	1.01 [0.66-1.46]	1.01 [0.59-1.60]	0.81 [0.46-1.28]	0.63 [0.39-1.01]	0.67 [0.37-1.04]	0.61 [0.38-0.90]	0.51 [0.32-0.76]	0.48 [0.28-0.74]	0.47 [0.29-0.68]
	Leicester	12.05 [8.88-15.76]	2.30 [1.42-4.08]	0.90 [0.57-1.33]	1.07 [0.62-1.78]	0.69 [0.34-1.21]	0.50 [0.27-0.87]	0.56 [0.28-0.95]	0.40 [0.24-0.63]	0.42 [0.27-0.64]	0.39 [0.21-0.66]	0.43 [0.26-0.64]
	Leicestershire	14.61 [11.02-18.68]	2.92 [1.95-4.25]	1.18 [0.79-1.65]	0.98 [0.58-1.60]	0.93 [0.55-1.44]	0.75 [0.46-1.17]	0.68 [0.40-1.05]	0.51 [0.31-0.77]	0.69 [0.45-1.02]	0.49 [0.30-0.75]	0.51 [0.33-0.77]
	Lincolnshire	12.86 [10.46-15.33]	2.44 [1.64-3.57]	0.90 [0.62-1.26]	0.91 [0.58-1.34]	0.70 [0.44-1.08]	0.59 [0.39-0.89]	0.59 [0.36-0.90]	0.50 [0.32-0.74]	0.72 [0.50-0.99]	0.41 [0.24-0.62]	0.45 [0.30-0.65]
	Northamptonshire	13.77 [10.57-17.37]	2.64 [1.74-3.96]	1.03 [0.69-1.48]	1.00 [0.61-1.51]	0.75 [0.45-1.15]	0.64 [0.40-0.98]	0.61 [0.36-0.91]	0.53 [0.35-0.79]	0.66 [0.43-0.95]	0.44 [0.27-0.67]	0.46 [0.30-0.66]
	Nottingham	20.22 [14.00-27.65]	3.60 [2.12-5.55]	1.52 [0.95-2.31]	1.36 [0.76-2.19]	1.06 [0.61-1.70]	0.86 [0.49-1.41]	0.75 [0.42-1.20]	0.84 [0.50-1.28]	0.78 [0.47-1.18]	0.61 [0.36-1.00]	0.70 [0.42-1.12]
	Nottinghamshire	13.81 [10.66-17.35]	2.63 [1.78-3.88]	0.99 [0.65-1.43]	0.96 [0.57-1.53]	0.80 [0.46-1.22]	0.61 [0.38-0.93]	0.61 [0.36-0.91]	0.58 [0.36-0.84]	0.63 [0.41-0.93]	0.47 [0.29-0.73]	0.45 [0.29-0.68]
	Rutland	5.58 [3.94-7.89]	1.13 [0.68-1.98]	0.39 [0.24-0.60]	0.38 [0.19-0.74]	0.30 [0.16-0.52]	0.22 [0.12-0.40]	0.35 [0.16-0.57]	0.17 [0.10-0.28]	0.39 [0.23-0.62]	0.20 [0.11-0.35]	0.11 [0.07-0.19]
	West Midlands	Birmingham	18.21 [15.19-21.53]	3.48 [2.38-5.00]	1.39 [0.97-1.91]	1.41 [0.88-2.05]	0.95 [0.59-1.43]	0.81 [0.51-1.19]	0.70 [0.42-1.07]	0.67 [0.44-0.98]	0.62 [0.43-0.85]	0.61 [0.38-0.92]
Coventry		16.97 [14.67-19.44]	3.41 [2.45-4.70]	1.21 [0.85-1.66]	1.25 [0.80-1.84]	0.88 [0.55-1.27]	0.73 [0.49-1.04]	0.64 [0.40-0.96]	0.79 [0.54-1.10]	0.54 [0.38-0.77]	0.54 [0.34-0.78]	0.53 [0.36-0.77]
Dudley		19.80 [16.98-22.72]	4.39 [3.19-5.84]	1.48 [1.05-1.98]	1.55 [0.85-2.38]	0.99 [0.64-1.46]	0.91 [0.60-1.29]	0.76 [0.49-1.09]	0.75 [0.49-1.16]	0.62 [0.43-0.84]	0.58 [0.37-0.85]	0.62 [0.42-0.86]
Herefordshire, County of		15.50 [13.27-17.90]	3.33 [2.39-4.61]	0.96 [0.66-1.30]	1.13 [0.73-1.72]	0.85 [0.52-1.26]	0.76 [0.50-1.13]	0.74 [0.43-1.09]	0.52 [0.34-0.79]	0.73 [0.51-0.98]	0.49 [0.31-0.75]	0.47 [0.32-0.67]
Sandwell		15.13 [12.84-17.74]	2.95 [2.06-4.38]	1.09 [0.76-1.53]	1.39 [0.82-2.08]	0.73 [0.43-1.13]	0.68 [0.44-1.08]	0.56 [0.34-0.88]	0.54 [0.36-0.81]	0.47 [0.33-0.67]	0.44 [0.28-0.66]	0.49 [0.34-0.69]
Shropshire		19.19 [16.24-22.32]	4.30 [3.02-5.68]	1.57 [1.10-2.13]	0.94 [0.58-1.61]	1.11 [0.70-1.76]	0.87 [0.56-1.28]	0.88 [0.55-1.27]	0.74 [0.46-1.11]	1.18 [0.81-1.61]	0.65 [0.41-0.99]	0.66 [0.46-0.93]
Solihull		16.62 [14.35-19.12]	3.54 [2.53-4.61]	1.25 [0.88-1.71]	0.94 [0.60-1.47]	0.93 [0.59-1.38]	0.83 [0.53-1.21]	0.75 [0.47-1.10]	0.57 [0.37-0.86]	0.72 [0.49-0.97]	0.40 [0.26-0.63]	0.54 [0.37-0.76]
Staffordshire		13.26 [11.21-15.41]	2.61 [1.79-4.13]	0.95 [0.67-1.28]	0.99 [0.63-1.54]	0.75 [0.46-1.11]	0.59 [0.38-0.86]	0.60 [0.35-0.90]	0.48 [0.32-0.71]	0.52 [0.36-0.70]	0.48 [0.30-0.69]	0.43 [0.29-0.61]
Stoke-on-Trent		21.68 [18.36-25.33]	4.64 [3.29-6.28]	1.59 [1.13-2.17]	1.47 [0.95-2.18]	1.31 [0.83-2.05]	0.85 [0.56-1.31]	0.86 [0.55-1.25]	0.94 [0.62-1.39]	0.76 [0.53-1.05]	0.54 [0.36-0.82]	0.72 [0.49-1.03]
Telford and Wrekin		21.04 [18.01-24.38]	4.20 [3.00-5.93]	1.63 [1.17-2.18]	1.29 [0.80-1.96]	1.26 [0.76-2.01]	0.99 [0.65-1.44]	0.88 [0.57-1.26]	1.10 [0.72-1.59]	0.79 [0.55-1.08]	0.70 [0.44-1.04]	0.76 [0.50-1.04]
Greater London	Walsall	17.68 [15.01-20.72]	3.57 [2.55-5.05]	1.44 [1.03-1.96]	1.40 [0.77-2.17]	0.92 [0.60-1.36]	0.78 [0.51-1.15]	0.68 [0.42-0.97]	0.61 [0.39-0.99]	0.56 [0.39-0.78]	0.49 [0.32-0.74]	0.61 [0.41-0.86]
	Warwickshire	10.95 [9.21-12.80]	2.15 [1.49-3.55]	0.85 [0.59-1.17]	0.85 [0.52-1.36]	0.61 [0.36-0.96]	0.49 [0.30-0.78]	0.50 [0.29-0.79]	0.40 [0.26-0.58]	0.43 [0.30-0.59]	0.34 [0.21-0.53]	0.33 [0.22-0.47]
	Wolverhampton	14.90 [12.79-17.15]	2.98 [2.08-4.19]	1.18 [0.83-1.61]	1.18 [0.74-1.75]	0.81 [0.51-1.24]	0.61 [0.40-0.93]	0.55 [0.33-0.85]	0.51 [0.34-0.77]	0.52 [0.36-0.71]	0.46 [0.28-0.69]	0.47 [0.32-0.67]
	Worcestershire	16.01 [13.27-18.99]	3.11 [2.16-4.65]	1.23 [0.88-1.65]	1.18 [0.77-1.77]	0.86 [0.53-1.28]	0.72 [0.46-1.10]	0.72 [0.44-1.08]	0.62 [0.40-0.89]	0.64 [0.44-0.89]	0.57 [0.36-0.87]	0.54 [0.35-0.78]
	Barking and Dagenham	18.77 [16.41-21.02]	3.52 [2.50-4.91]	1.79 [1.30-2.42]	1.28 [0.80-1.85]	1.16 [0.69-1.80]	0.84 [0.54-1.20]	0.80 [0.51-1.16]	0.56 [0.36-0.92]	0.62 [0.44-0.84]	0.46 [0.30-0.68]	0.69 [0.47-0.97]
	Barnet	16.76 [14.45-18.96]	3.25 [2.33-4.40]	1.56 [1.12-2.09]	0.99 [0.64-1.49]	0.85 [0.54-1.24]	0.84 [0.57-1.19]	0.73 [0.47-1.05]	0.72 [0.48-1.02]	0.70 [0.50-0.96]	0.58 [0.37-0.85]	0.57 [0.37-0.80]
	Bexley	13.62 [12.05-15.07]	2.52 [1.71-3.77]	1.07 [0.76-1.44]	0.90 [0.59-1.31]	0.83 [0.53-1.22]	0.77 [0.51-1.11]	0.62 [0.40-0.91]	0.73 [0.49-1.01]	0.49 [0.34-0.67]	0.47 [0.31-0.67]	0.48 [0.33-0.67]
	Brent	19.82 [17.40-22.23]	3.92 [2.87-5.35]	1.55 [1.11-2.02]	1.19 [0.75-1.82]	1.03 [0.68-1.53]	1.01 [0.69-1.43]	0.92 [0.60-1.37]	0.82 [0.56-1.20]	0.63 [0.45-0.86]	0.66 [0.42-0.99]	0.75 [0.52-1.04]
	Bromley	16.42 [14.18-18.58]	3.29 [2.33-4.55]	1.42 [1.02-1.91]	0.97 [0.62-1.46]	0.89 [0.59-1.32]	0.87 [0.58-1.26]	0.78 [0.50-1.14]	0.90 [0.59-1.26]	0.65 [0.46-0.89]	0.53 [0.34-0.77]	0.55 [0.36-0.78]
	Camden	18.24 [13.06-24.62]	2.96 [1.75-4.79]	1.40 [0.87-2.10]	1.09 [0.62-1.84]	0.90 [0.53-1.42]	0.89 [0.54-1.37]	0.77 [0.45-1.19]	0.80 [0.47-1.23]	0.58 [0.36-0.86]	0.43 [0.25-0.72]	0.58 [0.36-0.88]
Croydon	12.24 [10.59-13.90]	2.33 [1.63-3.71]	0.98 [0.70-1.31]	0.83 [0.49-1.45]	0.70 [0.42-1.04]	0.55 [0.35-0.86]	0.57 [0.33-0.85]	0.58 [0.40-0.80]	0.43 [0.30-0.59]	0.39 [0.23-0.59]	0.46 [0.30-0.66]	
Ealing	14.76 [12.87-16.59]	2.60 [1.77-4.03]	1.43 [1.04-1.93]	1.07 [0.67-1.62]	0.71 [0.43-1.06]	0.65 [0.42-1.00]	0.63 [0.38-0.95]	0.54 [0.36-0.75]	0.49 [0.34-0.66]	0.44 [0.27-0.65]	0.58 [0.38-0.83]	
Enfield	15.03 [13.13-16.96]	2.72 [1.82-4.08]	1.27 [0.92-1.68]	1.10 [0.70-1.57]	0.80 [0.51-1.17]	0.77 [0.50-1.11]	0.73 [0.45-1.05]	0.70 [0.47-0.99]	0.50 [0.35-0.69]	0.49 [0.31-0.74]	0.55 [0.38-0.79]	
Greenwich	20.21 [17.60-22.80]	4.03 [2.89-5.50]	1.74 [1.26-2.35]	1.12 [0.75-1.65]	1.07 [0.71-1.60]	0.94 [0.60-1.37]	0.79 [0.52-1.14]	1.13 [0.76-1.59]	0.71 [0.51-0.99]	0.66 [0.43-0.96]	0.65 [0.43-0.91]	
Hackney	21.55 [18.84-24.25]	3.56 [2.42-5.39]	1.81 [1.31-2.39]	1.45 [0.88-2.06]	1.12 [0.72-1.71]	0.98 [0.66-1.38]	0.87 [0.54-1.34]	0.92 [0.60-1.29]	0.74 [0.53-1.03]	0.55 [0.37-0.84]	0.70 [0.46-0.97]	
Hammersmith and Fulham	18.64 [16.55-20.80]	3.31 [2.36-4.81]	1.43 [0.98-1.96]	1.21 [0.75-1.90]	0.96 [0.59-1.40]	0.75 [0.50-1.11]	0.74 [0.45-1.10]	0.83 [0.55-1.15]	0.71 [0.51-0.99]	0.47 [0.31-0.72]	0.56 [0.37-0.78]	
Haringey	21.93 [19.13-24.61]	3.77 [2.54-5.65]	1.87 [1.35-2.46]	1.23 [0.78-1.81]	1.01 [0.67-1.46]	0.91 [0.61-1.30]	0.80 [0.53-1.16]	1.13 [0.73-1.54]	0.83 [0.60-1.13]	0.70 [0.45-1.02]	0.68 [0.46-0.94]	
Harrow	14.51 [13.01-16.10]	2.93 [2.15-3.92]	1.10 [0.79-1.49]	0.93 [0.60-1.37]	0.82 [0.54-1.22]	0.81 [0.55-1.18]	0.68 [0.43-0.97]	0.64 [0.43-0.90]	0.48 [0.34-0.68]	0.55 [0.35-0.78]	0.51 [0.36-0.71]	
Havering	14.67 [13.09-16.32]	2.97 [2.17-4.09]	1.39 [1.01-1.83]	0.96 [0.64-1.38]	0.79 [0.49-1.13]	0.70 [0.48-1.01]	0.75 [0.47-1.12]	0.70 [0.48-0.99]	0.49 [0.35-0.68]	0.38 [0.24-0.57]	0.49 [0.34-0.67]	
Hillingdon	21.14 [18.30-23.78]	4.28 [2.98-5.83]	2.01 [1.44-2.70]	1.18 [0.71-1.83]	1.11 [0.68-1.71]	0.99 [0.65-1.41]	0.97 [0.59-1.45]	0.85 [0.54-1.24]	0.79 [0.56-1.08]	0.66 [0.42-0.96]	0.66 [0.44-0.96]	
Hounslow	18.33 [16.06-20.56]	3.59 [2.54-4.79]	1.57 [1.12-2.09]	1.27 [0.81-1.82]	0.92 [0.62-1.33]	0.84 [0.57-1.18]	0.75 [0.49-1.07]	0.69 [0.46-1.01]	0.79 [0.56-1.07]	0.53 [0.34-0.78]	0.60 [0.40-0.83]	
Islington	24.83 [21.60-27.93]	4.22 [2.86-6.18]	2.12 [1.49-2.81]	1.55 [0.93-2.60]	1.24 [0.77-1.84]	1.14 [0.74-1.70]	1.04 [0.61-1.56]	1.03 [0.70-1.45]	0.86 [0.59-1.16]	0.49 [0.30-0.89]	0.81 [0.56-1.14]	
Kensington and Chelsea	18.22 [16.27-20.24]	2.82 [1.83-4.45]	1.30 [0.94-1.7									

		All causes	Congenital birth defects	Lower respiratory infections	Endocrine, metabolic, blood, and immune disorders	Other malignant neoplasms	Leukemia	Brain and nervous system cancer	Meningitis	Road injuries	Other neurological disorders	Neonatal disorders
East of England	Bedford	21.13 [14.53-28.93]	4.15 [2.54-6.20]	1.44 [0.89-2.15]	1.41 [0.81-2.30]	1.24 [0.69-2.08]	0.84 [0.47-1.34]	0.96 [0.52-1.52]	0.49 [0.28-1.01]	0.90 [0.55-1.32]	0.84 [0.47-1.39]	0.79 [0.47-1.20]
	Cambridgeshire	11.81 [9.17-14.64]	2.10 [1.36-3.65]	0.78 [0.53-1.10]	0.96 [0.58-1.51]	0.71 [0.41-1.12]	0.55 [0.32-0.88]	0.63 [0.35-0.96]	0.37 [0.24-0.57]	0.62 [0.40-0.88]	0.44 [0.25-0.71]	0.36 [0.24-0.54]
	Central Bedfordshire	14.76 [10.53-19.64]	2.74 [1.70-4.32]	1.13 [0.72-1.70]	1.00 [0.57-1.66]	0.84 [0.50-1.33]	0.65 [0.39-1.03]	0.70 [0.41-1.11]	0.51 [0.31-0.79]	0.65 [0.41-0.96]	0.50 [0.29-0.80]	0.50 [0.31-0.75]
	Essex	12.95 [10.45-15.83]	2.51 [1.75-3.84]	0.97 [0.66-1.33]	0.98 [0.62-1.49]	0.70 [0.43-1.06]	0.62 [0.40-0.92]	0.64 [0.37-0.94]	0.46 [0.29-0.69]	0.49 [0.33-0.70]	0.46 [0.28-0.68]	0.42 [0.28-0.60]
	Hertfordshire	10.92 [8.68-13.36]	2.00 [1.39-3.33]	0.93 [0.62-1.26]	0.76 [0.42-1.35]	0.60 [0.35-0.94]	0.52 [0.31-0.82]	0.58 [0.30-0.87]	0.37 [0.23-0.54]	0.41 [0.27-0.57]	0.43 [0.24-0.67]	0.34 [0.22-0.51]
	Luton	24.48 [17.41-32.38]	4.77 [3.08-7.05]	2.21 [1.41-3.20]	1.81 [0.93-2.98]	1.03 [0.58-1.62]	1.01 [0.61-1.56]	0.77 [0.44-1.21]	0.95 [0.56-1.46]	0.79 [0.49-1.20]	0.83 [0.48-1.24]	0.74 [0.46-1.12]
	Norfolk	11.95 [9.36-14.87]	2.34 [1.58-3.70]	0.77 [0.50-1.09]	0.85 [0.51-1.36]	0.67 [0.40-1.07]	0.54 [0.34-0.82]	0.60 [0.36-0.88]	0.46 [0.30-0.67]	0.59 [0.39-0.85]	0.45 [0.26-0.72]	0.38 [0.24-0.55]
	Peterborough	21.55 [15.05-29.18]	4.12 [2.58-6.24]	1.84 [1.13-2.85]	1.62 [0.84-2.68]	1.06 [0.63-1.77]	0.90 [0.52-1.41]	0.87 [0.49-1.38]	0.65 [0.36-1.17]	0.92 [0.55-1.39]	0.86 [0.47-1.39]	0.67 [0.40-1.04]
	Southend-on-Sea	22.46 [16.15-29.74]	4.76 [3.11-6.74]	2.15 [1.35-3.16]	1.39 [0.80-2.19]	1.21 [0.71-1.98]	0.94 [0.55-1.51]	0.93 [0.54-1.44]	0.88 [0.51-1.38]	0.82 [0.52-1.24]	0.55 [0.33-0.87]	0.69 [0.42-1.04]
	Suffolk	9.45 [7.33-11.88]	1.85 [1.19-3.31]	0.64 [0.42-0.91]	0.78 [0.48-1.30]	0.57 [0.30-0.90]	0.44 [0.27-0.71]	0.53 [0.28-0.81]	0.36 [0.23-0.53]	0.39 [0.25-0.55]	0.35 [0.20-0.55]	0.29 [0.19-0.44]
	Thurrock	13.21 [9.14-18.13]	2.43 [1.45-4.01]	1.11 [0.70-1.70]	1.11 [0.59-1.86]	0.65 [0.36-1.06]	0.62 [0.36-0.98]	0.61 [0.35-0.98]	0.57 [0.34-0.88]	0.44 [0.27-0.65]	0.39 [0.22-0.62]	0.47 [0.27-0.74]
	Bath and North East Somerset	18.83 [16.40-21.48]	3.81 [2.64-5.08]	1.54 [1.06-2.15]	0.95 [0.61-1.46]	0.99 [0.62-1.50]	0.96 [0.59-1.45]	0.90 [0.55-1.41]	1.12 [0.74-1.62]	0.95 [0.66-1.31]	0.88 [0.51-1.29]	0.50 [0.34-0.71]
South West	Bournemouth	12.43 [8.41-17.14]	2.37 [1.43-3.91]	0.87 [0.52-1.33]	0.94 [0.53-1.59]	0.75 [0.40-1.27]	0.51 [0.28-0.89]	0.59 [0.29-0.99]	0.47 [0.28-0.76]	0.40 [0.24-0.63]	0.43 [0.22-0.71]	0.37 [0.21-0.61]
	Bristol, City of	11.93 [8.83-15.61]	2.34 [1.48-3.78]	0.90 [0.57-1.32]	0.85 [0.48-1.47]	0.69 [0.40-1.10]	0.56 [0.33-0.91]	0.58 [0.32-0.90]	0.44 [0.28-0.69]	0.43 [0.27-0.64]	0.41 [0.23-0.67]	0.39 [0.24-0.59]
	Cornwall	9.55 [8.19-11.02]	1.80 [1.22-3.01]	0.60 [0.43-0.83]	0.73 [0.44-1.15]	0.56 [0.33-0.85]	0.46 [0.30-0.72]	0.51 [0.28-0.78]	0.42 [0.28-0.59]	0.36 [0.25-0.50]	0.36 [0.21-0.57]	0.33 [0.21-0.48]
	Devon	10.97 [8.37-14.22]	2.23 [1.47-3.54]	0.74 [0.48-1.07]	0.76 [0.44-1.37]	0.64 [0.36-0.99]	0.54 [0.34-0.85]	0.57 [0.32-0.84]	0.46 [0.28-0.69]	0.42 [0.27-0.60]	0.34 [0.21-0.55]	0.35 [0.23-0.52]
	Dorset	16.62 [12.29-21.30]	3.23 [2.09-4.79]	1.14 [0.73-1.69]	0.97 [0.59-1.52]	0.91 [0.55-1.44]	0.83 [0.51-1.26]	0.84 [0.48-1.31]	0.68 [0.43-1.01]	0.83 [0.54-1.23]	0.52 [0.31-0.84]	0.50 [0.31-0.73]
	Gloucestershire	12.03 [8.96-15.62]	2.24 [1.44-3.63]	0.86 [0.55-1.25]	0.86 [0.49-1.46]	0.64 [0.35-0.99]	0.56 [0.32-0.91]	0.65 [0.36-1.00]	0.44 [0.28-0.67]	0.54 [0.34-0.79]	0.43 [0.24-0.69]	0.43 [0.27-0.65]
	North Somerset	11.24 [8.01-14.92]	2.34 [1.46-3.71]	0.71 [0.44-1.07]	0.72 [0.38-1.27]	0.64 [0.34-1.02]	0.60 [0.34-0.96]	0.64 [0.34-1.04]	0.46 [0.27-0.73]	0.44 [0.28-0.67]	0.40 [0.21-0.66]	0.38 [0.23-0.57]
	Plymouth	16.88 [14.99-19.08]	3.45 [2.54-4.70]	1.35 [0.96-1.80]	1.22 [0.74-1.83]	0.92 [0.62-1.47]	0.73 [0.48-1.02]	0.69 [0.45-1.00]	0.76 [0.52-1.06]	0.57 [0.39-0.79]	0.65 [0.41-0.97]	0.53 [0.36-0.75]
	Poole	22.36 [16.55-28.68]	4.38 [2.79-6.46]	1.90 [1.23-2.70]	1.06 [0.60-1.67]	0.96 [0.53-1.61]	1.02 [0.58-1.58]	0.94 [0.53-1.51]	0.67 [0.36-1.14]	1.15 [0.75-1.65]	0.66 [0.37-1.04]	0.64 [0.39-0.98]
	Somerset	10.12 [7.37-13.27]	1.92 [1.19-3.19]	0.67 [0.42-0.99]	0.80 [0.47-1.35]	0.61 [0.32-0.97]	0.47 [0.28-0.79]	0.53 [0.28-0.87]	0.38 [0.22-0.59]	0.45 [0.29-0.67]	0.41 [0.23-0.67]	0.35 [0.21-0.53]
	South Gloucestershire	10.50 [7.58-13.89]	2.14 [1.35-3.43]	0.73 [0.45-1.12]	0.70 [0.37-1.31]	0.64 [0.35-1.03]	0.49 [0.29-0.79]	0.59 [0.31-0.95]	0.39 [0.24-0.59]	0.38 [0.24-0.56]	0.38 [0.25-0.74]	0.37 [0.23-0.57]
	Swindon	16.18 [11.78-21.20]	3.20 [2.04-4.72]	1.61 [1.03-2.32]	0.89 [0.52-1.47]	0.82 [0.50-1.23]	0.72 [0.45-1.13]	0.68 [0.41-1.04]	0.66 [0.39-0.99]	0.66 [0.40-0.98]	0.55 [0.33-0.85]	0.53 [0.33-0.82]
	Torbay	13.32 [8.98-18.47]	2.49 [1.42-4.09]	0.90 [0.55-1.41]	0.99 [0.54-1.64]	0.75 [0.42-1.26]	0.62 [0.35-1.02]	0.64 [0.35-1.03]	0.48 [0.27-0.80]	0.37 [0.22-0.58]	0.51 [0.28-0.82]	0.48 [0.28-0.76]
	Wiltshire	11.89 [8.72-15.44]	2.21 [1.37-3.46]	0.95 [0.60-1.39]	0.80 [0.47-1.30]	0.66 [0.40-1.01]	0.55 [0.33-0.83]	0.59 [0.32-0.93]	0.55 [0.34-0.82]	0.60 [0.38-0.89]	0.44 [0.26-0.69]	0.37 [0.23-0.55]
South East	Bracknell Forest	15.76 [11.80-20.44]	2.95 [1.92-4.37]	1.48 [0.94-2.11]	1.02 [0.56-1.62]	0.90 [0.51-1.44]	0.69 [0.44-1.05]	0.67 [0.40-1.03]	0.47 [0.28-0.76]	0.68 [0.44-1.01]	0.47 [0.28-0.73]	0.49 [0.30-0.75]
	Brighton and Hove	11.83 [10.20-13.66]	2.18 [1.51-3.26]	0.82 [0.57-1.09]	0.92 [0.58-1.37]	0.68 [0.43-1.03]	0.53 [0.34-0.80]	0.54 [0.32-0.78]	0.55 [0.37-0.77]	0.42 [0.28-0.57]	0.35 [0.22-0.54]	0.35 [0.24-0.51]
	Buckinghamshire	15.19 [11.64-19.23]	2.96 [2.01-4.32]	1.24 [0.85-1.74]	0.92 [0.57-1.41]	0.86 [0.53-1.34]	0.67 [0.41-1.03]	0.75 [0.45-1.17]	0.65 [0.41-0.94]	0.67 [0.45-0.95]	0.42 [0.26-0.66]	0.47 [0.30-0.70]
	East Sussex	17.47 [15.30-19.92]	3.53 [2.52-4.87]	1.35 [0.97-1.80]	0.98 [0.64-1.52]	1.00 [0.64-1.53]	0.87 [0.58-1.24]	0.88 [0.56-1.32]	0.61 [0.41-0.90]	0.74 [0.53-0.99]	0.64 [0.40-0.92]	0.56 [0.38-0.80]
	Hampshire	10.87 [9.28-12.52]	2.08 [1.48-3.31]	0.77 [0.54-1.06]	0.82 [0.53-1.31]	0.64 [0.38-0.95]	0.51 [0.33-0.78]	0.59 [0.33-0.85]	0.38 [0.25-0.56]	0.44 [0.30-0.62]	0.40 [0.24-0.61]	0.33 [0.23-0.47]
	Isle of Wight	13.44 [10.01-17.51]	2.77 [1.80-4.10]	1.13 [0.73-1.70]	0.84 [0.49-1.31]	0.73 [0.43-1.15]	0.66 [0.39-0.99]	0.59 [0.35-0.93]	0.48 [0.29-0.76]	0.57 [0.35-0.84]	0.43 [0.25-0.68]	0.39 [0.24-0.60]
	Kent	10.49 [9.00-12.07]	1.99 [1.36-3.46]	0.81 [0.57-1.13]	0.77 [0.46-1.31]	0.61 [0.36-0.90]	0.49 [0.31-0.77]	0.54 [0.30-0.79]	0.45 [0.31-0.64]	0.42 [0.28-0.58]	0.33 [0.20-0.51]	0.32 [0.22-0.47]
	Medway	13.95 [12.11-16.00]	2.70 [1.88-4.20]	1.03 [0.70-1.41]	0.99 [0.63-1.49]	0.83 [0.51-1.23]	0.63 [0.41-0.96]	0.64 [0.40-0.92]	0.60 [0.41-0.86]	0.43 [0.30-0.59]	0.56 [0.33-0.86]	0.46 [0.31-0.65]
	Milton Keynes	16.57 [14.46-18.92]	3.02 [2.07-4.30]	1.69 [1.24-2.25]	0.97 [0.61-1.46]	0.81 [0.52-1.22]	0.82 [0.56-1.16]	0.68 [0.45-1.00]	0.46 [0.29-0.79]	0.83 [0.59-1.11]	0.53 [0.33-0.79]	0.53 [0.36-0.74]
	Oxfordshire	10.74 [8.33-13.47]	2.01 [1.32-3.15]	0.77 [0.51-1.09]	0.81 [0.48-1.32]	0.61 [0.37-0.91]	0.54 [0.33-0.80]	0.56 [0.33-0.86]	0.41 [0.26-0.61]	0.47 [0.31-0.67]	0.43 [0.25-0.63]	0.32 [0.21-0.49]
	Portsmouth	11.02 [8.24-14.34]	2.08 [1.32-3.28]	0.92 [0.60-1.31]	0.80 [0.47-1.23]	0.56 [0.33-0.87]	0.48 [0.30-0.73]	0.52 [0.31-0.81]	0.48 [0.29-0.71]	0.38 [0.24-0.56]	0.38 [0.19-0.51]	0.35 [0.22-0.53]
	Reading	22.31 [18.87-25.76]	4.31 [3.11-5.67]	2.13 [1.51-2.86]	1.32 [0.85-1.96]	1.17 [0.77-1.75]	0.95 [0.62-1.38]	0.87 [0.56-1.30]	0.80 [0.54-1.13]	0.78 [0.54-1.07]	0.60 [0.38-0.87]	0.68 [0.46-0.98]
	Slough	21.53 [18.43-24.88]	4.28 [2.99-5.80]	2.37 [1.70-3.21]	1.24 [0.64-1.97]	0.97 [0.59-1.51]	0.70 [0.65-1.41]	0.70 [0.45-1.01]	0.94 [0.59-1.34]	0.73 [0.51-0.99]	0.70 [0.24-0.60]	0.70 [0.47-1.03]
	Southampton	22.14 [19.32-25.24]	4.36 [3.05-6.01]	1.80 [1.28-2.43]	1.41 [0.88-2.03]	1.14 [0.76-1.71]	0.99 [0.65-1.41]	0.89 [0.59-1.29]	0.78 [0.51-1.18]	0.77 [0.54-1.06]	0.76 [0.49-1.12]	0.69 [0.47-0.97]
	Surrey	9.36 [8.00-10.75]	1.86 [1.33-2.92]	0.75 [0.52-1.02]	0.64 [0.36-1.14]	0.54 [0.34-0.81]	0.45 [0.30-0.69]	0.51 [0.29-0.74]	0.34 [0.23-0.48]	0.37 [0.26-0.51]	0.37 [0.22-0.54]	0.28 [0.19-0.39]
	West Berkshire	16.14 [11.64-21.52]	2.91 [1.80-4.44]	1.24 [0.76-1.85]	1.04 [0.58-1.67]	0.85 [0.50-1.39]	0.72 [0.44-1.14]	0.82 [0.45-1.25]	0.64 [0.39-0.97]	0.76 [0.48-1.15]	0.54 [0.32-0.83]	0.48 [0.29-0.72]
	West Sussex	13.43 [11.62-15.46]	2.67 [1.94-3.83]	0.94 [0.66-1.26]	0.90 [0.57-1.41]	0.75 [0.49-1.08]	0.66 [0.45-0.95]	0.72 [0.44-1.04]	0.57 [0.38-0.83]	0.57 [0.41-0.77]	0.53 [0.33-0.77]	0.44 [0.29-0.63]
	Windsor and Maidenhead	19.29 [14.44-24.98]	3.85 [2.51-5.61]	1.93 [1.26-2.74]	1.19 [0.74-1.91]	1.07 [0.66-1.71]	0.81 [0.51-1.25]	0.95 [0.55-1.45]	0.48 [0.29-0.86]	0.66 [0.42-0.96]	0.74 [0.43-1.15]	0.56 [0.35-0.84]
	Wokingham	15.83 [11.85-20.66]	3.23 [2.14-4.68]	1.40 [0.92-2.05]	1.07 [0.65-1.63]	0.90 [0.56-1.42]	0.80 [0.51-1.21]	0.87 [0.49-1.42]	0.44 [0.26-0.77]	0.64 [0.43-0.93]	0.65 [0.38-0.99]	0.44 [0.28-0.66]



Table S6 Mortality rate per 100,000 with uncertainty intervals in 5-9 year old males for 150 upper tier local authorities compared with England for all-causes and top 10 causes of death in 2017

Males 5 to 9

Males 5 to 9													Mortality rate compared to England										
													Higher than England	Similar to England	Lower than England								
													All causes	Brain and nervous system cancer	Congenital birth defects	Road injuries	Leukemia	Other malignant neoplasms	Endocrine, metabolic, blood, and immune disorders	Lower respiratory infections	Drowning	Epilepsy	Non-Hodgkin lymphoma
North East	County Durham	2.79 [2.52-3.10]	0.38 [0.22-0.59]	0.29 [0.19-0.45]	0.33 [0.20-0.60]	0.24 [0.15-0.35]	0.19 [0.11-0.31]	0.15 [0.10-0.25]	0.08 [0.05-0.11]	0.09 [0.06-0.12]	0.07 [0.04-0.10]	0.06 [0.04-0.10]											
	Darlington	7.87 [7.11-8.73]	0.96 [0.63-1.43]	0.90 [0.63-1.28]	0.62 [0.41-0.90]	0.81 [0.55-1.18]	0.56 [0.34-0.85]	0.54 [0.37-0.77]	0.30 [0.20-0.45]	0.18 [0.12-0.25]	0.28 [0.18-0.41]	0.15 [0.09-0.24]											
	Gateshead	6.46 [5.85-7.17]	0.84 [0.55-1.22]	0.69 [0.48-0.99]	0.51 [0.34-0.75]	0.58 [0.37-0.84]	0.51 [0.32-0.76]	0.38 [0.25-0.58]	0.28 [0.19-0.40]	0.21 [0.15-0.29]	0.16 [0.11-0.23]	0.14 [0.08-0.22]											
	Hartlepool	6.79 [6.12-7.54]	0.93 [0.55-1.47]	0.62 [0.41-1.13]	0.62 [0.40-0.98]	0.63 [0.42-0.99]	0.56 [0.33-0.84]	0.35 [0.22-0.63]	0.26 [0.17-0.38]	0.21 [0.14-0.30]	0.20 [0.13-0.29]	0.16 [0.09-0.27]											
	Middlesbrough	13.61 [12.31-15.11]	1.47 [0.94-2.15]	1.56 [1.10-2.13]	1.09 [0.70-1.55]	1.28 [0.85-1.88]	0.99 [0.62-1.48]	0.71 [0.45-1.15]	0.66 [0.43-0.96]	0.35 [0.24-0.49]	0.42 [0.28-0.60]	0.27 [0.16-0.42]											
	Newcastle upon Tyne	2.03 [1.84-2.25]	0.27 [0.17-0.42]	0.19 [0.13-0.30]	0.20 [0.12-0.41]	0.17 [0.11-0.25]	0.16 [0.10-0.24]	0.12 [0.08-0.19]	0.07 [0.05-0.11]	0.07 [0.04-0.10]	0.06 [0.04-0.09]	0.05 [0.03-0.08]											
	North Tyneside	6.98 [6.30-7.74]	0.90 [0.58-1.36]	0.75 [0.51-1.11]	0.54 [0.36-0.79]	0.68 [0.45-0.98]	0.60 [0.36-0.91]	0.41 [0.28-0.64]	0.25 [0.17-0.36]	0.20 [0.14-0.28]	0.19 [0.13-0.27]	0.17 [0.10-0.28]											
	Northumberland	3.88 [3.50-4.30]	0.54 [0.34-0.78]	0.43 [0.30-0.61]	0.35 [0.23-0.56]	0.35 [0.23-0.50]	0.27 [0.17-0.40]	0.26 [0.16-0.39]	0.13 [0.09-0.19]	0.10 [0.07-0.15]	0.10 [0.06-0.14]	0.09 [0.05-0.14]											
	Redcar and Cleveland	17.52 [15.81-19.49]	2.36 [1.57-3.39]	2.16 [1.48-2.91]	1.28 [0.70-1.94]	1.83 [1.26-2.58]	1.30 [0.85-1.97]	0.77 [0.50-1.35]	0.80 [0.56-1.13]	0.35 [0.23-0.49]	0.43 [0.29-0.61]	0.40 [0.24-0.63]											
	South Tyneside	7.02 [6.33-7.77]	0.88 [0.57-1.39]	0.78 [0.53-1.19]	0.55 [0.37-0.79]	0.61 [0.40-0.89]	0.60 [0.35-0.90]	0.39 [0.25-0.62]	0.25 [0.17-0.37]	0.20 [0.13-0.28]	0.21 [0.14-0.30]	0.14 [0.08-0.22]											
	Stockton-on-Tees	4.28 [3.87-4.75]	0.65 [0.37-1.01]	0.39 [0.26-0.71]	0.42 [0.28-0.64]	0.41 [0.26-0.64]	0.37 [0.21-0.56]	0.21 [0.14-0.40]	0.15 [0.10-0.21]	0.13 [0.09-0.19]	0.10 [0.07-0.14]	0.11 [0.06-0.17]											
	Sunderland	5.90 [5.33-6.55]	0.66 [0.43-0.99]	0.62 [0.44-0.90]	0.46 [0.30-0.65]	0.52 [0.33-0.77]	0.45 [0.29-0.68]	0.36 [0.24-0.53]	0.24 [0.16-0.36]	0.15 [0.10-0.22]	0.18 [0.12-0.26]	0.14 [0.08-0.22]											
North West	Blackburn with Darwen	5.72 [5.08-6.41]	0.73 [0.49-1.03]	0.61 [0.42-0.87]	0.41 [0.26-0.69]	0.48 [0.33-0.70]	0.37 [0.22-0.54]	0.39 [0.24-0.59]	0.24 [0.17-0.36]	0.14 [0.09-0.20]	0.16 [0.11-0.23]	0.14 [0.08-0.22]											
	Blackpool	5.98 [5.30-6.73]	0.57 [0.37-0.82]	0.63 [0.44-0.90]	0.38 [0.23-0.76]	0.53 [0.33-0.76]	0.32 [0.21-0.49]	0.39 [0.22-0.57]	0.29 [0.19-0.40]	0.20 [0.14-0.28]	0.18 [0.12-0.26]	0.12 [0.07-0.19]											
	Bolton	9.16 [8.15-10.26]	1.06 [0.69-1.50]	1.01 [0.71-1.39]	0.76 [0.51-1.08]	0.85 [0.54-1.24]	0.61 [0.38-0.89]	0.65 [0.40-0.92]	0.40 [0.27-0.57]	0.20 [0.14-0.29]	0.24 [0.17-0.34]	0.18 [0.11-0.28]											
	Bury	8.77 [7.78-9.86]	0.98 [0.65-1.42]	1.10 [0.75-1.47]	0.61 [0.40-0.88]	0.81 [0.50-1.17]	0.55 [0.34-0.86]	0.53 [0.32-0.78]	0.37 [0.25-0.51]	0.28 [0.19-0.40]	0.24 [0.16-0.34]	0.20 [0.11-0.32]											
	Cheshire East	7.20 [6.40-8.07]	1.01 [0.65-1.40]	0.78 [0.55-1.10]	0.64 [0.44-0.92]	0.65 [0.43-0.94]	0.47 [0.29-0.71]	0.44 [0.28-0.65]	0.26 [0.17-0.36]	0.22 [0.15-0.32]	0.27 [0.16-0.37]	0.22 [0.10-0.27]											
	Cheshire West and Chester	7.58 [6.79-8.44]	0.99 [0.66-1.38]	0.89 [0.63-1.20]	0.71 [0.47-0.99]	0.71 [0.44-1.01]	0.48 [0.30-0.72]	0.45 [0.30-0.65]	0.27 [0.17-0.38]	0.24 [0.16-0.33]	0.17 [0.11-0.24]	0.17 [0.10-0.27]											
	Cumbria	4.11 [3.66-4.60]	0.55 [0.35-0.82]	0.43 [0.29-0.64]	0.40 [0.26-0.64]	0.36 [0.24-0.53]	0.31 [0.20-0.45]	0.21 [0.14-0.36]	0.12 [0.08-0.17]	0.15 [0.10-0.21]	0.10 [0.07-0.15]	0.09 [0.06-0.15]											
	Halton	11.87 [10.52-13.33]	1.49 [1.01-2.06]	1.32 [0.92-1.88]	0.87 [0.58-1.26]	1.15 [0.73-1.66]	0.68 [0.43-1.03]	0.75 [0.48-1.08]	0.54 [0.35-0.77]	0.32 [0.22-0.45]	0.30 [0.20-0.42]	0.29 [0.18-0.46]											
	Knowsley	12.04 [10.64-13.56]	1.59 [0.99-2.45]	1.30 [0.86-2.16]	0.92 [0.62-1.31]	1.04 [0.66-1.60]	0.82 [0.48-1.33]	0.78 [0.49-1.22]	0.58 [0.39-0.86]	0.27 [0.18-0.39]	0.32 [0.21-0.47]	0.24 [0.14-0.39]											
	Lancashire	9.10 [8.11-10.26]	1.16 [0.78-1.58]	1.03 [0.72-1.43]	0.75 [0.52-1.05]	1.11 [0.50-1.11]	0.54 [0.33-0.79]	0.55 [0.36-0.77]	0.35 [0.22-0.50]	0.27 [0.18-0.39]	0.31 [0.20-0.43]	0.20 [0.11-0.30]											
	Liverpool	9.06 [7.98-10.29]	0.93 [0.59-1.35]	1.03 [0.71-1.42]	0.64 [0.42-0.95]	0.83 [0.53-1.23]	0.56 [0.36-0.83]	0.54 [0.34-0.78]	0.48 [0.31-0.68]	0.24 [0.16-0.33]	0.32 [0.20-0.45]	0.19 [0.11-0.30]											
	Manchester	4.98 [4.41-5.62]	0.49 [0.30-0.80]	0.55 [0.38-0.75]	0.38 [0.24-0.63]	0.41 [0.27-0.60]	0.27 [0.17-0.41]	0.31 [0.20-0.46]	0.22 [0.15-0.32]	0.15 [0.10-0.21]	0.17 [0.11-0.24]	0.09 [0.05-0.14]											
	Oldham	4.79 [4.27-5.36]	0.63 [0.39-0.97]	0.52 [0.35-0.79]	0.43 [0.27-0.72]	0.37 [0.24-0.55]	0.32 [0.19-0.54]	0.29 [0.18-0.44]	0.16 [0.10-0.23]	0.13 [0.09-0.19]	0.13 [0.09-0.18]	0.10 [0.06-0.16]											
	Rochdale	4.35 [3.87-4.87]	0.50 [0.33-0.70]	0.46 [0.31-0.63]	0.37 [0.23-0.77]	0.39 [0.25-0.57]	0.28 [0.17-0.41]	0.27 [0.17-0.40]	0.19 [0.13-0.28]	0.11 [0.08-0.16]	0.13 [0.08-0.18]	0.08 [0.05-0.13]											
	Salford	10.64 [9.49-11.89]	0.98 [0.63-1.49]	1.32 [0.87-1.82]	0.81 [0.53-1.23]	0.98 [0.60-1.40]	0.62 [0.38-0.94]	0.77 [0.43-1.09]	0.51 [0.35-0.71]	0.24 [0.17-0.34]	0.33 [0.21-0.47]	0.19 [0.11-0.30]											
	Sefton	7.13 [6.33-8.00]	0.86 [0.57-1.21]	0.81 [0.57-1.13]	0.48 [0.33-0.70]	0.68 [0.44-0.98]	0.51 [0.32-0.76]	0.45 [0.29-0.67]	0.29 [0.19-0.41]	0.19 [0.13-0.26]	0.31 [0.17-0.45]	0.15 [0.09-0.23]											
	St. Helens	7.14 [6.32-8.03]	0.83 [0.55-1.22]	0.83 [0.58-1.19]	0.49 [0.32-0.71]	0.69 [0.44-1.03]	0.42 [0.25-0.66]	0.47 [0.30-0.69]	0.36 [0.24-0.54]	0.16 [0.11-0.23]	0.18 [0.13-0.27]	0.14 [0.08-0.22]											
	Stockport	3.82 [3.40-4.28]	0.50 [0.33-0.70]	0.43 [0.29-0.59]	0.30 [0.18-0.61]	0.34 [0.21-0.49]	0.24 [0.16-0.36]	0.26 [0.16-0.36]	0.14 [0.09-0.20]	0.10 [0.07-0.14]	0.12 [0.08-0.18]	0.08 [0.05-0.13]											
	Tameside	11.05 [9.79-12.41]	1.27 [0.81-1.90]	1.31 [0.92-1.81]	0.76 [0.51-1.10]	0.97 [0.63-1.42]	0.78 [0.48-1.19]	0.64 [0.43-0.96]	0.49 [0.32-0.70]	0.31 [0.21-0.43]	0.30 [0.20-0.44]	0.24 [0.14-0.39]											
	Trafford	6.78 [6.01-7.61]	0.92 [0.61-1.28]	0.70 [0.49-1.03]	0.50 [0.34-0.76]	0.61 [0.38-0.86]	0.45 [0.28-0.69]	0.43 [0.28-0.62]	0.22 [0.15-0.31]	0.19 [0.13-0.27]	0.22 [0.15-0.32]	0.16 [0.09-0.25]											
	Warrington	6.93 [6.14-7.79]	0.87 [0.57-1.21]	0.79 [0.54-1.06]	0.60 [0.40-0.90]	0.66 [0.44-0.94]	0.40 [0.24-0.61]	0.36 [0.22-0.55]	0.34 [0.23-0.49]	0.21 [0.14-0.30]	0.20 [0.13-0.30]	0.15 [0.09-0.25]											
	Wigan	6.69 [5.95-7.50]	0.83 [0.52-1.30]	0.74 [0.51-1.08]	0.55 [0.36-0.78]	0.58 [0.38-0.88]	0.42 [0.25-0.71]	0.40 [0.25-0.63]	0.27 [0.18-0.40]	0.28 [0.19-0.39]	0.16 [0.10-0.23]	0.13 [0.08-0.22]											
	Wirral	6.10 [5.43-6.82]	0.74 [0.49-1.02]	0.69 [0.47-0.93]	0.48 [0.32-0.72]	0.57 [0.37-0.83]	0.38 [0.24-0.55]	0.42 [0.24-0.59]	0.24 [0.16-0.34]	0.17 [0.12-0.24]	0.19 [0.12-0.27]	0.12 [0.07-0.19]											
Yorkshire & Humber	Barnsley	7.04 [6.20-7.93]	0.93 [0.62-1.34]	0.80 [0.55-1.14]	0.56 [0.37-0.81]	0.70 [0.45-1.02]	0.46 [0.28-0.70]	0.36 [0.24-0.55]	0.27 [0.17-0.39]	0.14 [0.10-0.20]	0.16 [0.11-0.22]	0.19 [0.11-0.31]											
	Bradford	6.95 [6.20-7.81]	0.82 [0.55-1.17]	0.78 [0.56-1.06]	0.60 [0.40-0.90]	0.61 [0.40-0.87]	0.45 [0.29-0.66]	0.45 [0.27-0.64]	0.27 [0.17-0.37]	0.16 [0.11-0.22]	0.25 [0.15-0.35]	0.14 [0.09-0.22]											
	Calderdale	11.43 [10.07-12.89]	1.32 [0.87-1.89]	1.30 [0.93-1.77]	0.83 [0.52-1.18]	1.04 [0.67-1.51]	0.85 [0.53-1.30]	0.86 [0.49-1.23]	0.46 [0.31-0.65]	0.28 [0.19-0.40]	0.36 [0.24-0.51]	0.24 [0.14-0.37]											
	Doncaster	9.51 [8.36-10.70]	1.27 [0.80-1.83]	1.09 [0.73-1.57]	0.83 [0.57-1.18]	0.92 [0.60-1.35]	0.75 [0.47-1.12]	0.54 [0.34-0.81]	0.35 [0.24-0.51]	0.22 [0.15-0.31]	0.25 [0.17-0.37]	0.22 [0.13-0.35]											
	East Riding of Yorkshire	3.37 [2.97-3.81]	0.48 [0.31-0.68]	0.37 [0.25-0.53]	0.36 [0.23-0.63]	0.33 [0.21-0.48]	0.23 [0.14-0.34]	0.19 [0.12-0.28]	0.12 [0.08-0.17]	0.08 [0.05-0.12]	0.10 [0.06-0.14]	0.08 [0.05-0.13]											
	Kingston upon Hull	9.45 [8.32-10.64]	1.11 [0.71-1.56]	1.05 [0.74-1.42]	0.68 [0.46-1.01]	0.81 [0.51-1.20]	0.59 [0.37-0.92]	0.54 [0.35-0.77]	0.41 [0.27-0.59]	0.25 [0.16-0.36]	0.37 [0.22-0.52]	0.20 [0.11-0.31]											
	Kirklees	9.76 [8.22-11.49]	1.21 [0.82-1.69]	1.18 [0.81-1.62]	0.80 [0.51-1.16]	0.90 [0.58-1.28]	0.64 [0.40-0.96]	0.64 [0.38-0.92]	0.39 [0.25-0.56]	0.21 [0.14-0.3													



	2019											
	Rate	95% CI	Rate	95% CI	Rate	95% CI	Rate	95% CI	Rate	95% CI	Rate	95% CI
East Midlands	Derby	6.12 [5.21-7.03]	0.80 [0.53-1.14]	0.66 [0.46-0.92]	0.48 [0.32-0.74]	0.56 [0.37-0.80]	0.42 [0.27-0.64]	0.41 [0.27-0.61]	0.25 [0.17-0.35]	0.17 [0.11-0.24]	0.18 [0.12-0.27]	0.14 [0.09-0.23]
	Derbyshire	10.02 [8.91-11.31]	1.33 [0.88-1.88]	1.12 [0.78-1.53]	0.89 [0.60-1.28]	0.96 [0.63-1.40]	0.62 [0.40-0.91]	0.58 [0.37-0.83]	0.35 [0.24-0.50]	0.27 [0.18-0.38]	0.26 [0.18-0.37]	0.22 [0.13-0.33]
	Leicester	11.66 [10.37-13.19]	1.17 [0.77-1.74]	1.49 [0.97-2.00]	1.00 [0.67-1.48]	1.02 [0.63-1.50]	0.67 [0.44-1.00]	0.79 [0.44-1.14]	0.54 [0.36-0.77]	0.30 [0.20-0.43]	0.38 [0.25-0.55]	0.25 [0.15-0.40]
	Leicestershire	6.20 [5.51-7.01]	0.92 [0.58-1.30]	0.66 [0.45-0.92]	0.60 [0.41-0.87]	0.62 [0.40-0.90]	0.40 [0.25-0.60]	0.45 [0.28-0.64]	0.21 [0.15-0.31]	0.15 [0.10-0.21]	0.13 [0.09-0.19]	0.14 [0.09-0.22]
	Lincolnshire	11.62 [10.22-13.18]	1.46 [0.95-2.06]	1.32 [0.89-1.80]	1.34 [0.94-1.83]	1.05 [0.65-1.49]	0.70 [0.42-0.99]	0.81 [0.49-1.15]	0.36 [0.23-0.52]	0.31 [0.21-0.43]	0.26 [0.18-0.38]	0.25 [0.15-0.39]
	Northamptonshire	7.39 [6.59-8.32]	0.96 [0.63-1.38]	0.76 [0.53-1.06]	0.72 [0.50-0.99]	0.71 [0.46-1.02]	0.51 [0.32-0.76]	0.45 [0.28-0.65]	0.26 [0.17-0.38]	0.19 [0.13-0.28]	0.19 [0.13-0.27]	0.16 [0.10-0.26]
	Nottingham	7.52 [6.40-8.64]	0.85 [0.53-1.27]	0.82 [0.57-1.14]	0.60 [0.40-0.87]	0.61 [0.40-0.88]	0.50 [0.31-0.75]	0.52 [0.32-0.75]	0.29 [0.19-0.44]	0.22 [0.15-0.31]	0.18 [0.13-0.26]	0.17 [0.10-0.26]
	Nottinghamshire	4.06 [3.62-4.58]	0.54 [0.34-0.79]	0.44 [0.30-0.63]	0.45 [0.31-0.70]	0.35 [0.22-0.51]	0.26 [0.16-0.40]	0.25 [0.16-0.37]	0.12 [0.08-0.17]	0.11 [0.07-0.16]	0.10 [0.07-0.14]	0.09 [0.05-0.15]
	Rutland	5.34 [4.49-6.23]	0.86 [0.51-1.25]	0.57 [0.39-0.82]	0.67 [0.44-0.99]	0.53 [0.34-0.81]	0.40 [0.25-0.63]	0.33 [0.21-0.50]	0.15 [0.09-0.22]	0.09 [0.06-0.13]	0.08 [0.05-0.13]	0.14 [0.08-0.23]
	West Midlands	Birmingham	11.39 [10.36-12.48]	1.19 [0.74-1.66]	1.38 [0.93-1.83]	0.89 [0.62-1.24]	0.92 [0.59-1.31]	0.64 [0.41-0.98]	0.85 [0.47-1.22]	0.45 [0.29-0.64]	0.30 [0.20-0.43]	0.39 [0.24-0.54]
Coventry		3.89 [3.30-4.55]	0.51 [0.30-0.78]	0.41 [0.27-0.61]	0.35 [0.22-0.64]	0.34 [0.22-0.52]	0.24 [0.13-0.39]	0.27 [0.16-0.42]	0.13 [0.09-0.19]	0.10 [0.07-0.15]	0.12 [0.08-0.17]	0.08 [0.05-0.13]
Dudley		11.53 [9.70-13.52]	1.36 [0.89-1.91]	1.32 [0.91-1.84]	0.79 [0.52-1.17]	1.14 [0.72-1.68]	0.75 [0.47-1.11]	0.93 [0.52-1.35]	0.41 [0.27-0.59]	0.25 [0.16-0.36]	0.38 [0.25-0.54]	0.24 [0.14-0.39]
Herefordshire, County of		3.24 [2.69-3.83]	0.47 [0.29-0.68]	0.33 [0.22-0.49]	0.35 [0.22-0.58]	0.31 [0.19-0.48]	0.21 [0.12-0.32]	0.19 [0.13-0.30]	0.09 [0.06-0.13]	0.13 [0.08-0.18]	0.07 [0.05-0.10]	0.09 [0.05-0.14]
Sandwell		11.62 [10.63-12.69]	1.18 [0.80-1.65]	1.37 [0.96-1.87]	0.87 [0.58-1.23]	1.03 [0.65-1.52]	0.70 [0.47-1.04]	0.97 [0.50-1.37]	0.49 [0.33-0.70]	0.34 [0.23-0.48]	0.36 [0.24-0.50]	0.25 [0.15-0.38]
Shropshire		7.10 [5.96-8.35]	1.05 [0.66-1.53]	0.82 [0.56-1.17]	0.71 [0.47-1.02]	0.67 [0.44-1.02]	0.49 [0.30-0.73]	0.34 [0.22-0.59]	0.22 [0.14-0.33]	0.24 [0.16-0.35]	0.18 [0.12-0.28]	0.17 [0.10-0.27]
Solihull		10.76 [8.96-12.74]	1.47 [0.91-2.16]	1.34 [0.84-1.89]	0.93 [0.60-1.37]	1.14 [0.70-1.70]	0.79 [0.44-1.23]	0.69 [0.43-1.02]	0.34 [0.22-0.50]	0.16 [0.11-0.24]	0.33 [0.20-0.49]	0.30 [0.16-0.48]
Staffordshire		9.13 [8.34-9.98]	1.21 [0.80-1.70]	1.03 [0.72-1.39]	0.88 [0.61-1.22]	0.80 [0.51-1.13]	0.59 [0.37-0.87]	0.52 [0.34-0.73]	0.30 [0.20-0.41]	0.24 [0.17-0.34]	0.27 [0.18-0.38]	0.20 [0.12-0.32]
Stoke-on-Trent		11.09 [10.13-12.13]	1.31 [0.86-1.86]	1.33 [0.94-1.83]	0.92 [0.64-1.33]	0.93 [0.61-1.32]	0.78 [0.50-1.12]	0.64 [0.42-0.97]	0.38 [0.25-0.54]	0.26 [0.18-0.37]	0.28 [0.19-0.39]	0.24 [0.14-0.39]
Telford and Wrekin		8.70 [7.28-10.24]	1.22 [0.77-1.88]	0.96 [0.63-1.54]	0.79 [0.51-1.10]	0.78 [0.49-1.26]	0.68 [0.41-1.07]	0.48 [0.30-0.83]	0.29 [0.19-0.42]	0.20 [0.13-0.29]	0.23 [0.15-0.34]	0.21 [0.12-0.33]
Greater London	Walsall	10.06 [9.20-11.00]	1.16 [0.80-1.65]	1.14 [0.80-1.56]	0.69 [0.47-0.98]	0.86 [0.55-1.25]	0.61 [0.38-0.91]	0.79 [0.45-1.13]	0.39 [0.26-0.53]	0.27 [0.19-0.38]	0.30 [0.21-0.42]	0.21 [0.13-0.34]
	Warwickshire	6.96 [6.37-7.59]	0.94 [0.60-1.31]	0.75 [0.52-1.04]	0.70 [0.48-0.98]	0.66 [0.44-0.96]	0.46 [0.29-0.66]	0.45 [0.30-0.65]	0.25 [0.17-0.34]	0.22 [0.15-0.31]	0.21 [0.14-0.29]	0.16 [0.09-0.26]
	Wolverhampton	4.49 [3.78-5.25]	0.50 [0.32-0.73]	0.49 [0.33-0.67]	0.37 [0.23-0.71]	0.38 [0.24-0.58]	0.28 [0.17-0.41]	0.31 [0.18-0.45]	0.19 [0.12-0.27]	0.14 [0.09-0.20]	0.13 [0.08-0.18]	0.08 [0.05-0.13]
	Worcestershire	7.99 [7.31-8.71]	1.10 [0.73-1.48]	0.87 [0.61-1.19]	0.71 [0.50-1.01]	0.71 [0.46-0.99]	0.53 [0.32-0.80]	0.55 [0.35-0.77]	0.29 [0.19-0.41]	0.25 [0.18-0.34]	0.22 [0.15-0.32]	0.18 [0.11-0.28]
	Barking and Dagenham	5.25 [4.77-5.75]	0.62 [0.41-0.90]	0.55 [0.39-0.78]	0.50 [0.24-0.58]	0.50 [0.32-0.72]	0.45 [0.29-0.69]	0.27 [0.17-0.40]	0.23 [0.16-0.33]	0.12 [0.08-0.18]	0.17 [0.11-0.23]	0.11 [0.06-0.18]
	Barnet	8.95 [8.12-9.80]	1.34 [0.88-1.87]	0.91 [0.62-1.31]	0.67 [0.43-0.97]	0.87 [0.57-1.27]	0.55 [0.33-0.85]	0.60 [0.34-0.85]	0.34 [0.22-0.48]	0.26 [0.18-0.36]	0.24 [0.16-0.34]	0.25 [0.14-0.39]
	Bexley	12.37 [11.23-13.56]	1.78 [1.17-2.50]	1.35 [0.95-1.86]	0.82 [0.51-1.19]	1.32 [0.89-1.89]	0.94 [0.60-1.41]	0.89 [0.48-1.30]	0.40 [0.26-0.57]	0.28 [0.19-0.40]	0.24 [0.17-0.34]	0.35 [0.21-0.54]
	Brent	10.30 [9.37-11.29]	1.13 [0.74-1.59]	1.11 [0.75-1.48]	0.64 [0.44-0.91]	0.97 [0.63-1.36]	0.56 [0.36-0.84]	0.59 [0.34-0.83]	0.42 [0.29-0.57]	0.33 [0.22-0.46]	0.37 [0.22-0.52]	0.24 [0.14-0.37]
	Bromley	9.98 [9.06-10.94]	1.63 [1.02-2.30]	1.13 [0.77-1.53]	0.79 [0.52-1.15]	0.97 [0.60-1.39]	0.64 [0.41-0.94]	0.61 [0.37-0.87]	0.34 [0.23-0.48]	0.24 [0.17-0.34]	0.26 [0.18-0.37]	0.26 [0.15-0.41]
	Camden	15.66 [14.31-17.14]	1.77 [1.18-2.50]	1.47 [1.04-2.14]	0.94 [0.51-1.37]	1.43 [0.95-2.11]	0.89 [0.56-1.35]	0.94 [0.61-1.38]	0.75 [0.52-1.11]	0.52 [0.36-0.72]	0.41 [0.28-0.58]	0.39 [0.23-0.60]
	Croydon	6.68 [6.08-7.32]	0.85 [0.57-1.18]	0.78 [0.53-1.06]	0.49 [0.33-0.70]	0.63 [0.40-0.91]	0.39 [0.25-0.58]	0.40 [0.25-0.58]	0.23 [0.16-0.32]	0.15 [0.10-0.22]	0.24 [0.15-0.34]	0.16 [0.09-0.24]
	Ealing	7.12 [6.47-7.80]	0.88 [0.58-1.32]	0.72 [0.52-1.04]	0.52 [0.36-0.74]	0.60 [0.40-0.87]	0.44 [0.27-0.66]	0.47 [0.28-0.69]	0.33 [0.23-0.47]	0.23 [0.16-0.33]	0.22 [0.14-0.31]	0.17 [0.10-0.27]
	Enfield	9.71 [8.83-10.65]	1.23 [0.81-1.76]	1.06 [0.73-1.48]	0.77 [0.52-1.09]	1.01 [0.67-1.44]	0.54 [0.33-0.80]	0.52 [0.33-0.75]	0.39 [0.26-0.55]	0.30 [0.21-0.42]	0.24 [0.17-0.34]	0.26 [0.15-0.41]
	Greenwich	2.88 [2.63-3.16]	0.38 [0.24-0.57]	0.29 [0.20-0.44]	0.28 [0.17-0.55]	0.26 [0.17-0.38]	0.18 [0.11-0.29]	0.14 [0.09-0.23]	0.10 [0.07-0.15]	0.08 [0.05-0.12]	0.08 [0.05-0.11]	0.07 [0.04-0.11]
	Hackney	9.79 [8.91-10.74]	0.91 [0.52-1.45]	0.91 [0.64-1.31]	0.61 [0.40-0.86]	0.82 [0.54-1.18]	0.58 [0.35-0.86]	0.67 [0.43-0.96]	0.41 [0.28-0.58]	0.32 [0.22-0.44]	0.28 [0.19-0.38]	0.24 [0.14-0.38]
	Hammersmith and Fulham	7.36 [6.67-8.09]	0.81 [0.52-1.25]	0.69 [0.47-0.97]	0.55 [0.37-0.79]	0.61 [0.37-0.88]	0.39 [0.23-0.57]	0.48 [0.29-0.68]	0.27 [0.18-0.40]	0.28 [0.19-0.40]	0.21 [0.14-0.30]	0.17 [0.11-0.26]
	Haringey	7.88 [7.15-8.63]	0.86 [0.56-1.27]	0.75 [0.52-1.09]	0.59 [0.40-0.84]	0.67 [0.45-1.00]	0.44 [0.28-0.66]	0.51 [0.29-0.73]	0.36 [0.24-0.51]	0.26 [0.18-0.36]	0.21 [0.14-0.31]	0.17 [0.11-0.28]
	Harrow	7.57 [6.88-8.30]	1.12 [0.75-1.62]	0.77 [0.55-1.09]	0.53 [0.36-0.76]	0.78 [0.51-1.12]	0.56 [0.36-0.82]	0.55 [0.29-0.78]	0.27 [0.18-0.40]	0.27 [0.12-0.25]	0.17 [0.14-0.30]	0.23 [0.13-0.36]
	Havering	9.26 [8.45-10.15]	1.50 [0.95-2.15]	0.97 [0.68-1.35]	0.63 [0.42-0.92]	0.86 [0.57-1.24]	0.74 [0.48-1.13]	0.59 [0.36-0.84]	0.39 [0.26-0.56]	0.18 [0.12-0.25]	0.29 [0.19-0.41]	0.22 [0.13-0.34]
	Hillingdon	9.17 [8.32-10.05]	1.21 [0.80-1.67]	1.10 [0.73-1.48]	0.70 [0.47-1.00]	0.97 [0.63-1.35]	0.61 [0.38-0.91]	0.61 [0.38-0.87]	0.40 [0.27-0.57]	0.27 [0.19-0.39]	0.24 [0.17-0.34]	0.22 [0.13-0.35]
	Hounslow	10.02 [9.10-10.98]	1.25 [0.84-1.74]	1.04 [0.71-1.42]	0.66 [0.44-0.92]	0.94 [0.63-1.35]	0.60 [0.39-0.87]	0.64 [0.40-0.90]	0.42 [0.28-0.59]	0.44 [0.31-0.59]	0.28 [0.19-0.39]	0.21 [0.13-0.34]
	Islington	12.72 [11.52-13.97]	1.34 [0.75-1.99]	1.30 [0.75-1.90]	0.72 [0.46-1.05]	1.03 [0.62-1.47]	0.64 [0.31-1.01]	0.73 [0.38-1.06]	0.66 [0.45-0.96]	0.30 [0.20-0.42]	0.38 [0.25-0.55]	0.29 [0.17-0.44]
	Kensington and Chelsea	7.20 [6.56-7.90]	0.90 [0.56-1.42]	0.63 [0.43-1.01]	0.49 [0.32-0.69]	0.61 [0.41-0.87]	0.42 [0.25-0.66]	0.47 [0.29-0.69]	0.27 [0.18-0.39]	0.27 [0.16-0.31]		

		All causes	Brain and nervous system cancer	Congenital birth defects	Road injuries	Leukemia	Other malignant neoplasms	Endocrine, metabolic, blood, and immune disorders	Lower respiratory infections	Drowning	Epilepsy	Non-Hodgkin lymphoma
East of England	Bedford	6.66 [5.78-11.54]	0.95 [0.61-1.37]	0.67 [0.48-0.97]	0.50 [0.34-0.74]	0.57 [0.36-0.85]	0.48 [0.29-0.72]	0.43 [0.26-0.65]	0.22 [0.15-0.32]	0.30 [0.20-0.42]	0.20 [0.13-0.28]	0.16 [0.09-0.26]
	Cambridgeshire	6.57 [5.83-7.42]	0.96 [0.60-1.39]	0.68 [0.46-0.97]	0.64 [0.45-0.89]	0.60 [0.40-0.85]	0.45 [0.28-0.68]	0.43 [0.26-0.65]	0.19 [0.12-0.27]	0.21 [0.15-0.29]	0.18 [0.12-0.25]	0.16 [0.10-0.25]
	Central Bedfordshire	6.75 [5.80-7.68]	1.03 [0.62-1.58]	0.69 [0.47-1.08]	0.56 [0.37-0.81]	0.61 [0.41-0.91]	0.51 [0.30-0.83]	0.41 [0.25-0.64]	0.23 [0.16-0.35]	0.16 [0.11-0.25]	0.16 [0.10-0.24]	0.21 [0.12-0.32]
	Essex	6.75 [6.06-7.56]	0.93 [0.59-1.33]	0.72 [0.50-1.04]	0.63 [0.42-0.89]	0.63 [0.40-0.93]	0.45 [0.27-0.67]	0.44 [0.27-0.63]	0.21 [0.14-0.29]	0.19 [0.13-0.27]	0.20 [0.13-0.28]	0.16 [0.09-0.26]
	Hertfordshire	3.93 [3.51-4.40]	0.57 [0.36-0.79]	0.43 [0.30-0.60]	0.35 [0.23-0.57]	0.37 [0.23-0.52]	0.25 [0.16-0.38]	0.24 [0.16-0.35]	0.14 [0.10-0.20]	0.11 [0.07-0.16]	0.09 [0.06-0.13]	0.09 [0.05-0.14]
	Luton	14.71 [12.74-16.61]	1.76 [1.18-2.58]	1.77 [1.20-2.48]	1.10 [0.69-1.63]	1.15 [0.76-1.69]	1.06 [0.69-1.61]	0.97 [0.56-1.40]	0.64 [0.43-0.93]	0.32 [0.22-0.46]	0.57 [0.34-0.84]	0.37 [0.23-0.58]
	Norfolk	10.01 [8.93-11.26]	1.36 [0.88-1.94]	1.15 [0.78-1.56]	1.06 [0.73-1.47]	0.90 [0.55-1.31]	0.62 [0.39-0.91]	0.66 [0.38-0.93]	0.29 [0.18-0.42]	0.34 [0.22-0.47]	0.27 [0.18-0.39]	0.25 [0.14-0.39]
	Peterborough	10.88 [9.38-12.35]	1.47 [0.96-2.20]	1.06 [0.72-1.51]	0.84 [0.55-1.20]	0.73 [0.69-1.53]	0.73 [0.47-1.10]	0.43 [0.42-1.06]	0.23 [0.28-0.62]	0.32 [0.21-0.47]	0.34 [0.22-0.48]	0.29 [0.17-0.44]
	Southend-on-Sea	18.23 [15.61-20.84]	2.32 [1.35-3.38]	2.07 [1.33-2.95]	1.13 [0.67-1.71]	1.77 [1.08-2.55]	1.15 [0.69-1.72]	1.26 [0.65-1.82]	0.76 [0.48-1.09]	0.43 [0.28-0.64]	0.83 [0.43-1.21]	0.45 [0.26-0.71]
	Suffolk	10.30 [9.15-11.63]	1.58 [1.00-2.25]	1.10 [0.76-1.51]	0.90 [0.58-1.28]	0.98 [0.63-1.41]	0.73 [0.46-1.08]	0.66 [0.42-0.97]	0.34 [0.23-0.49]	0.27 [0.18-0.38]	0.25 [0.17-0.36]	0.26 [0.15-0.42]
	Thurrock	9.38 [8.05-10.72]	1.28 [0.83-1.87]	0.97 [0.64-1.42]	0.74 [0.49-1.07]	0.94 [0.60-1.38]	0.71 [0.44-1.04]	0.62 [0.37-0.93]	0.35 [0.24-0.52]	0.23 [0.15-0.32]	0.27 [0.18-0.40]	0.22 [0.12-0.36]
South West	Bath and North East Somerset	6.39 [5.72-7.14]	1.05 [0.63-1.52]	0.70 [0.48-0.99]	0.50 [0.33-0.72]	0.60 [0.39-0.88]	0.46 [0.28-0.68]	0.41 [0.25-0.58]	0.20 [0.13-0.28]	0.22 [0.14-0.30]	0.13 [0.09-0.18]	0.16 [0.10-0.26]
	Bournemouth	4.97 [4.48-5.51]	0.65 [0.43-0.90]	0.52 [0.36-0.73]	0.36 [0.23-0.58]	0.50 [0.32-0.70]	0.30 [0.19-0.43]	0.36 [0.19-0.52]	0.18 [0.12-0.25]	0.13 [0.09-0.19]	0.14 [0.10-0.20]	0.11 [0.06-0.18]
	Bristol, City of	4.96 [4.49-5.49]	0.82 [0.47-1.32]	0.48 [0.31-0.84]	0.48 [0.34-0.67]	0.44 [0.28-0.67]	0.34 [0.19-0.62]	0.27 [0.17-0.47]	0.13 [0.09-0.18]	0.17 [0.11-0.25]	0.12 [0.08-0.17]	0.13 [0.07-0.23]
	Cornwall	8.83 [7.55-10.37]	1.23 [0.75-1.78]	0.90 [0.60-1.35]	0.82 [0.53-1.17]	0.83 [0.53-1.20]	0.64 [0.39-0.98]	0.53 [0.33-0.80]	0.24 [0.16-0.35]	0.34 [0.22-0.48]	0.23 [0.15-0.33]	0.20 [0.12-0.34]
	Devon	7.69 [6.32-9.25]	1.19 [0.72-1.77]	0.81 [0.54-1.24]	0.66 [0.43-0.95]	0.70 [0.46-1.03]	0.56 [0.33-0.86]	0.48 [0.29-0.77]	0.24 [0.16-0.36]	0.24 [0.16-0.36]	0.19 [0.13-0.29]	0.22 [0.13-0.38]
	Dorset	10.64 [9.61-11.80]	1.64 [1.06-2.28]	1.06 [0.75-1.51]	0.97 [0.63-1.38]	0.97 [0.63-1.38]	0.71 [0.45-1.03]	0.72 [0.43-1.02]	0.31 [0.20-0.45]	0.27 [0.18-0.39]	0.27 [0.18-0.39]	0.30 [0.18-0.47]
	Gloucestershire	7.55 [6.83-8.35]	1.17 [0.71-1.72]	0.80 [0.52-1.23]	0.79 [0.52-1.09]	0.65 [0.42-0.95]	0.49 [0.29-0.84]	0.40 [0.26-0.68]	0.24 [0.16-0.33]	0.25 [0.17-0.35]	0.19 [0.13-0.28]	0.19 [0.12-0.30]
	North Somerset	7.68 [6.92-8.54]	1.15 [0.71-1.62]	0.96 [0.63-1.38]	0.60 [0.41-0.86]	0.77 [0.48-1.11]	0.54 [0.32-0.80]	0.37 [0.24-0.61]	0.23 [0.15-0.32]	0.24 [0.17-0.33]	0.19 [0.13-0.27]	0.21 [0.13-0.34]
	Plymouth	6.83 [6.16-7.59]	0.93 [0.60-1.33]	0.81 [0.55-1.12]	0.49 [0.33-0.70]	0.63 [0.42-0.94]	0.65 [0.39-1.01]	0.40 [0.26-0.59]	0.23 [0.15-0.33]	0.19 [0.13-0.26]	0.16 [0.11-0.23]	0.17 [0.10-0.26]
	Poole	5.95 [5.35-6.62]	0.98 [0.56-1.44]	0.61 [0.41-0.92]	0.46 [0.30-0.64]	0.59 [0.39-0.86]	0.43 [0.27-0.65]	0.37 [0.23-0.58]	0.19 [0.13-0.27]	0.15 [0.10-0.21]	0.15 [0.10-0.21]	0.18 [0.11-0.28]
	Somerset	5.35 [4.84-5.91]	0.80 [0.48-1.17]	0.57 [0.39-0.83]	0.54 [0.37-0.78]	0.51 [0.33-0.74]	0.33 [0.20-0.50]	0.32 [0.21-0.46]	0.16 [0.11-0.23]	0.16 [0.11-0.23]	0.14 [0.09-0.20]	0.14 [0.09-0.23]
	South Gloucestershire	8.73 [7.88-9.70]	1.03 [0.90-2.17]	1.03 [0.72-1.42]	0.76 [0.51-1.09]	0.82 [0.52-1.18]	0.63 [0.40-0.96]	0.54 [0.36-0.80]	0.25 [0.16-0.35]	0.19 [0.13-0.27]	0.21 [0.14-0.30]	0.23 [0.13-0.34]
	Swindon	7.12 [6.43-7.92]	1.04 [0.65-1.47]	0.72 [0.50-1.11]	0.58 [0.38-0.81]	0.68 [0.43-1.00]	0.58 [0.36-0.86]	0.41 [0.27-0.64]	0.31 [0.21-0.45]	0.16 [0.11-0.24]	0.15 [0.10-0.22]	0.16 [0.11-0.28]
	Torbay	8.07 [7.28-8.95]	1.17 [0.70-1.74]	1.00 [0.70-1.35]	0.43 [0.28-0.64]	0.78 [0.50-1.14]	0.48 [0.29-0.73]	0.61 [0.31-0.88]	0.30 [0.18-0.43]	0.24 [0.16-0.35]	0.23 [0.15-0.32]	0.21 [0.12-0.33]
	Wiltshire	5.64 [5.11-6.23]	0.94 [0.47-1.44]	0.53 [0.35-1.02]	0.63 [0.44-0.88]	0.51 [0.32-0.75]	0.40 [0.23-0.71]	0.28 [0.18-0.51]	0.17 [0.11-0.25]	0.15 [0.12-0.26]	0.12 [0.08-0.17]	0.15 [0.09-0.25]
South East	Bracknell Forest	9.78 [8.49-11.11]	1.56 [0.95-2.27]	1.18 [0.78-1.69]	0.70 [0.43-1.03]	1.00 [0.63-1.51]	0.66 [0.40-0.98]	0.59 [0.38-0.89]	0.38 [0.25-0.56]	0.25 [0.17-0.36]	0.29 [0.18-0.42]	0.24 [0.14-0.40]
	Brighton and Hove	11.31 [9.97-12.72]	1.40 [0.83-2.06]	1.34 [0.87-1.85]	0.79 [0.52-1.15]	0.91 [0.52-1.36]	0.65 [0.39-1.07]	0.72 [0.39-1.05]	0.44 [0.28-0.62]	0.34 [0.22-0.49]	0.35 [0.23-0.51]	0.30 [0.17-0.49]
	Buckinghamshire	7.78 [6.61-9.10]	1.18 [0.75-1.69]	0.80 [0.55-1.16]	0.70 [0.46-1.02]	0.66 [0.42-0.96]	0.52 [0.32-0.79]	0.51 [0.32-0.73]	0.25 [0.16-0.35]	0.20 [0.13-0.28]	0.34 [0.18-0.49]	0.18 [0.10-0.29]
	East Sussex	7.10 [6.28-7.98]	0.97 [0.62-1.35]	0.92 [0.60-1.25]	0.63 [0.42-0.94]	0.66 [0.42-0.95]	0.45 [0.28-0.64]	0.41 [0.26-0.59]	0.24 [0.16-0.34]	0.19 [0.13-0.27]	0.22 [0.14-0.30]	0.17 [0.10-0.27]
	Hampshire	4.39 [3.94-4.93]	0.68 [0.42-0.95]	0.44 [0.30-0.64]	0.45 [0.30-0.66]	0.41 [0.27-0.59]	0.33 [0.20-0.48]	0.27 [0.17-0.40]	0.13 [0.08-0.18]	0.12 [0.08-0.17]	0.10 [0.07-0.15]	0.10 [0.06-0.16]
	Isle of Wight	4.53 [3.92-5.16]	0.72 [0.39-1.09]	0.49 [0.29-0.78]	0.39 [0.26-0.56]	0.43 [0.27-0.64]	0.34 [0.20-0.56]	0.24 [0.15-0.41]	0.14 [0.09-0.20]	0.12 [0.08-0.17]	0.10 [0.07-0.15]	0.11 [0.07-0.18]
	Kent	5.79 [5.20-6.49]	0.81 [0.51-1.20]	0.61 [0.41-0.91]	0.57 [0.39-0.80]	0.53 [0.34-0.76]	0.38 [0.23-0.61]	0.36 [0.22-0.53]	0.19 [0.12-0.27]	0.17 [0.12-0.25]	0.14 [0.10-0.20]	0.14 [0.08-0.21]
	Medway	7.09 [6.26-7.98]	0.91 [0.59-1.32]	0.84 [0.56-1.20]	0.56 [0.38-0.80]	0.66 [0.43-0.96]	0.62 [0.38-0.94]	0.36 [0.24-0.55]	0.25 [0.17-0.37]	0.18 [0.12-0.24]	0.23 [0.14-0.34]	0.16 [0.09-0.25]
	Milton Keynes	13.83 [12.25-15.53]	1.84 [1.26-2.59]	1.47 [1.03-2.05]	1.27 [0.85-1.81]	1.29 [0.85-1.86]	1.03 [0.66-1.56]	0.80 [0.51-1.16]	0.60 [0.41-0.84]	0.39 [0.27-0.55]	0.38 [0.26-0.54]	0.32 [0.19-0.50]
	Oxfordshire	5.56 [4.70-6.52]	0.83 [0.50-1.19]	0.55 [0.37-0.79]	0.60 [0.41-0.87]	0.52 [0.33-0.76]	0.35 [0.22-0.54]	0.37 [0.21-0.53]	0.17 [0.11-0.24]	0.18 [0.12-0.25]	0.15 [0.10-0.22]	0.13 [0.08-0.20]
	Portsmouth	3.43 [3.01-3.89]	0.49 [0.29-0.82]	0.33 [0.21-0.57]	0.30 [0.19-0.57]	0.30 [0.19-0.47]	0.26 [0.15-0.42]	0.24 [0.13-0.37]	0.12 [0.08-0.17]	0.09 [0.06-0.13]	0.11 [0.07-0.16]	0.08 [0.05-0.14]
	Reading	8.40 [7.42-9.41]	1.09 [0.70-1.53]	0.87 [0.62-1.17]	0.59 [0.39-0.87]	0.76 [0.49-1.09]	0.53 [0.34-0.79]	0.62 [0.37-0.89]	0.36 [0.24-0.53]	0.35 [0.24-0.49]	0.20 [0.13-0.29]	0.19 [0.11-0.29]
	Slough	9.01 [7.98-10.09]	1.06 [0.69-1.46]	1.10 [0.75-1.49]	0.65 [0.45-0.95]	0.73 [0.46-1.10]	0.57 [0.36-0.87]	0.56 [0.37-0.82]	0.46 [0.31-0.64]	0.36 [0.24-0.50]	0.24 [0.15-0.31]	0.24 [0.14-0.38]
	Southampton	2.98 [2.62-3.37]	0.40 [0.25-0.62]	0.30 [0.20-0.45]	0.29 [0.18-0.58]	0.25 [0.16-0.37]	0.25 [0.15-0.39]	0.18 [0.11-0.27]	0.09 [0.06-0.13]	0.09 [0.06-0.13]	0.11 [0.06-0.15]	0.07 [0.04-0.11]
	Surrey	6.41 [5.75-7.20]	1.02 [0.61-1.45]	0.72 [0.48-1.03]	0.54 [0.37-0.76]	0.58 [0.39-0.85]	0.44 [0.27-0.68]	0.38 [0.26-0.56]	0.22 [0.15-0.31]	0.19 [0.13-0.27]	0.18 [0.12-0.26]	0.16 [0.10-0.26]
	West Berkshire	6.63 [5.79-7.53]	1.03 [0.65-1.46]	0.81 [0.53-1.14]	0.61 [0.42-0.86]	0.58 [0.37-0.87]	0.46 [0.29-0.69]	0.37 [0.23-0.57]	0.24 [0.16-0.35]	0.19 [0.12-0.27]	0.19 [0.07-0.15]	0.19 [0.11-0.31]
	West Sussex	3.39 [3.03-3.82]	0.52 [0.33-0.74]	0.37 [0.25-0.50]	0.33 [0.22-0.58]	0.32 [0.21-0.46]	0.22 [0.14-0.34]	0.20 [0.13-0.30]	0.10 [0.07-0.15]	0.09 [0.06-0.13]	0.08 [0.06-0.12]	0.08 [0.05-0.13]
	Windsor and Maidenhead	4.54 [4.00-5.10]	0.67 [0.43-0.97]	0.50 [0.34-0.70]	0.38 [0.25-0.57]	0.40 [0.26-0.57]	0.30 [0.19-0.46]	0.25 [0.17-0.40]	0.19 [0.12-0.26]	0.16 [0.11-0.23]	0.13 [0.09-0.19]	0.12 [0.07-0.20]
	Wokingham	8.48 [7.47-9.53]	1.52 [0.93-2.21]	0.94 [0.66-1.28]	0.65 [0.43-0.93]	0.81 [0.52-1.17]	0.61 [0.39-0.93]	0.42 [0.28-0.67]	0.30 [0.19-0.45]	0.19 [0.13-0.27]	0.18 [0.12-0.25]	0.25 [0.15-0.39]

Table S7 Mortality rate per 100,000 with uncertainty intervals in 5-9 year old females for 150 upper tier local authorities compared with England for all-causes and top 10 causes of death in 2017

Females 5 to 9

Females 5 to 9		All causes	Brain and nervous system cancer	Congenital birth defects	Road injuries	Other malignant neoplasms	Leukemia	Endocrine, metabolic, blood, and immune disorders	Lower respiratory infections	Other neurological disorders	Epilepsy	Meningitis	Mortality rate compared to England
													<div><div>Higher than England</div><div>Similar to England</div><div>Lower than England</div></div>
North East	County Durham	5.52 [5.06-6.03]	0.66 [0.44-0.95]	0.60 [0.41-0.89]	0.37 [0.26-0.50]	0.44 [0.28-0.65]	0.37 [0.23-0.54]	0.42 [0.27-0.64]	0.26 [0.18-0.36]	0.18 [0.12-0.27]	0.17 [0.11-0.23]	0.12 [0.08-0.17]	
	Darlington	4.75 [4.32-5.22]	0.51 [0.34-0.72]	0.51 [0.36-0.73]	0.36 [0.25-0.48]	0.39 [0.25-0.58]	0.30 [0.20-0.46]	0.37 [0.23-0.56]	0.22 [0.15-0.31]	0.20 [0.13-0.31]	0.17 [0.12-0.25]	0.13 [0.09-0.18]	
	Gateshead	5.01 [4.58-5.48]	0.75 [0.42-1.07]	0.45 [0.30-1.04]	0.37 [0.25-0.53]	0.41 [0.23-0.64]	0.40 [0.24-0.67]	0.39 [0.20-0.79]	0.20 [0.13-0.28]	0.17 [0.10-0.28]	0.15 [0.10-0.22]	0.09 [0.06-0.13]	
	Hartlepool	5.02 [4.59-5.49]	0.52 [0.33-0.76]	0.60 [0.44-0.85]	0.32 [0.22-0.44]	0.43 [0.28-0.65]	0.33 [0.21-0.52]	0.38 [0.23-0.57]	0.27 [0.19-0.39]	0.11 [0.07-0.19]	0.15 [0.10-0.22]	0.09 [0.06-0.14]	
	Middlesbrough	5.22 [4.78-5.71]	0.52 [0.33-0.75]	0.59 [0.42-0.82]	0.38 [0.27-0.52]	0.38 [0.24-0.57]	0.35 [0.22-0.53]	0.37 [0.23-0.56]	0.30 [0.21-0.41]	0.20 [0.13-0.29]	0.16 [0.11-0.23]	0.11 [0.07-0.15]	
	Newcastle upon Tyne	4.81 [4.41-5.25]	0.73 [0.39-1.07]	0.46 [0.29-0.95]	0.35 [0.24-0.48]	0.39 [0.21-0.63]	0.39 [0.24-0.64]	0.42 [0.23-0.76]	0.16 [0.11-0.23]	0.14 [0.08-0.24]	0.16 [0.10-0.24]	0.09 [0.06-0.13]	
	North Tyneside	4.86 [4.46-5.31]	0.67 [0.41-0.98]	0.48 [0.32-0.84]	0.31 [0.21-0.45]	0.40 [0.24-0.62]	0.33 [0.21-0.53]	0.37 [0.22-0.61]	0.23 [0.16-0.32]	0.14 [0.09-0.24]	0.13 [0.09-0.20]	0.12 [0.08-0.17]	
	Northumberland	2.20 [2.01-2.41]	0.32 [0.19-0.46]	0.24 [0.16-0.41]	0.17 [0.11-0.24]	0.16 [0.10-0.24]	0.16 [0.10-0.24]	0.16 [0.09-0.30]	0.09 [0.06-0.13]	0.07 [0.05-0.11]	0.06 [0.04-0.09]	0.04 [0.03-0.06]	
	Redcar and Cleveland	4.40 [4.02-4.80]	0.66 [0.39-0.94]	0.43 [0.28-0.95]	0.34 [0.23-0.46]	0.36 [0.20-0.56]	0.33 [0.21-0.53]	0.35 [0.18-0.68]	0.19 [0.13-0.27]	0.15 [0.09-0.24]	0.12 [0.08-0.18]	0.08 [0.06-0.12]	
	South Tyneside	4.37 [3.98-4.81]	0.56 [0.36-0.81]	0.47 [0.33-0.71]	0.25 [0.18-0.35]	0.34 [0.22-0.50]	0.27 [0.17-0.43]	0.35 [0.22-0.53]	0.20 [0.14-0.29]	0.17 [0.11-0.25]	0.13 [0.09-0.18]	0.08 [0.05-0.12]	
	Stockton-on-Tees	8.18 [7.48-8.95]	0.91 [0.60-1.25]	0.94 [0.64-1.30]	0.61 [0.42-0.83]	0.71 [0.45-1.09]	0.61 [0.40-0.88]	0.59 [0.37-0.89]	0.46 [0.31-0.65]	0.32 [0.21-0.45]	0.20 [0.13-0.30]	0.17 [0.12-0.24]	
	Sunderland	5.80 [5.31-6.33]	0.83 [0.49-1.21]	0.55 [0.36-1.22]	0.42 [0.29-0.58]	0.48 [0.26-0.73]	0.44 [0.28-0.71]	0.43 [0.22-0.89]	0.23 [0.16-0.33]	0.16 [0.10-0.27]	0.21 [0.13-0.31]	0.12 [0.08-0.17]	
	North West	Blackburn with Darwen	17.18 [15.75-18.74]	1.81 [1.21-2.64]	1.85 [1.20-2.81]	1.16 [0.79-1.62]	1.55 [1.01-2.34]	1.08 [0.71-1.69]	1.29 [0.78-1.95]	0.94 [0.66-1.30]	0.60 [0.41-0.88]	0.46 [0.31-0.67]	0.36 [0.24-0.53]
Blackpool		3.54 [3.24-3.87]	0.44 [0.26-0.65]	0.38 [0.26-0.68]	0.23 [0.16-0.32]	0.27 [0.16-0.41]	0.24 [0.15-0.38]	0.26 [0.14-0.48]	0.17 [0.11-0.23]	0.08 [0.05-0.14]	0.11 [0.07-0.16]	0.08 [0.05-0.11]	
Bolton		12.29 [11.28-13.38]	1.19 [0.79-1.75]	1.52 [1.00-2.17]	1.07 [0.75-1.44]	1.84 [0.49-1.30]	0.84 [0.50-1.23]	0.69 [0.40-1.05]	0.75 [0.49-1.03]	0.40 [0.24-0.58]	0.38 [0.25-0.54]	0.34 [0.23-0.49]	
Bury		5.10 [4.68-5.56]	0.59 [0.39-0.82]	0.54 [0.38-0.84]	0.35 [0.24-0.48]	0.39 [0.25-0.59]	0.35 [0.23-0.52]	0.36 [0.23-0.57]	0.27 [0.18-0.38]	0.15 [0.10-0.22]	0.15 [0.10-0.22]	0.09 [0.06-0.14]	
Cheshire East		8.59 [7.90-9.35]	1.42 [0.74-2.05]	0.80 [0.53-1.81]	0.67 [0.46-0.92]	0.69 [0.36-1.13]	0.71 [0.43-1.22]	0.67 [0.32-1.39]	0.29 [0.20-0.43]	0.29 [0.17-0.49]	0.27 [0.17-0.42]	0.16 [0.10-0.23]	
Cheshire West and Chester		9.74 [8.81-10.73]	1.52 [0.85-2.24]	0.93 [0.63-1.88]	0.74 [0.51-1.02]	0.75 [0.42-1.20]	0.82 [0.52-1.29]	0.76 [0.39-1.56]	0.36 [0.24-0.51]	0.25 [0.15-0.44]	0.27 [0.18-0.39]	0.16 [0.11-0.24]	
Cumbria		4.53 [4.17-4.91]	0.58 [0.39-0.78]	0.50 [0.36-0.69]	0.37 [0.26-0.50]	0.34 [0.23-0.50]	0.29 [0.19-0.45]	0.29 [0.17-0.47]	0.17 [0.12-0.24]	0.17 [0.11-0.25]	0.12 [0.08-0.18]	0.12 [0.08-0.17]	
Halton		16.57 [15.08-18.14]	1.51 [1.00-2.17]	1.90 [1.22-2.81]	1.07 [0.73-1.50]	1.22 [0.65-1.94]	1.11 [0.71-1.61]	0.87 [0.52-1.33]	1.13 [0.79-1.56]	0.64 [0.38-0.95]	0.66 [0.43-0.94]	0.53 [0.35-0.76]	
Knowsley		9.87 [9.01-10.81]	1.35 [0.81-1.96]	1.09 [0.73-1.93]	0.72 [0.48-1.00]	0.67 [0.38-1.13]	0.69 [0.45-1.08]	0.74 [0.40-1.47]	0.49 [0.33-0.69]	0.29 [0.18-0.46]	0.38 [0.25-0.56]	0.14 [0.09-0.22]	
Lancashire		8.28 [7.42-9.17]	0.93 [0.62-1.31]	0.96 [0.69-1.36]	0.60 [0.42-0.83]	0.61 [0.40-0.90]	0.55 [0.36-0.84]	0.56 [0.33-0.91]	0.41 [0.28-0.58]	0.28 [0.19-0.41]	0.30 [0.20-0.43]	0.22 [0.15-0.31]	
Liverpool		9.02 [8.08-10.04]	0.93 [0.61-1.34]	1.00 [0.69-1.43]	0.69 [0.49-0.96]	0.63 [0.40-0.90]	0.62 [0.40-0.93]	0.66 [0.42-0.99]	0.56 [0.40-0.80]	0.31 [0.21-0.45]	0.30 [0.21-0.43]	0.19 [0.13-0.27]	
Manchester		7.07 [6.33-7.86]	0.62 [0.42-0.88]	0.83 [0.55-1.17]	0.50 [0.35-0.70]	0.46 [0.29-0.68]	0.45 [0.30-0.67]	0.44 [0.24-0.69]	0.38 [0.26-0.52]	0.26 [0.15-0.37]	0.24 [0.16-0.35]	0.17 [0.12-0.24]	
Oldham		9.81 [9.02-10.67]	1.17 [0.76-1.68]	1.06 [0.71-1.67]	0.58 [0.40-0.80]	0.74 [0.46-1.08]	0.63 [0.40-1.01]	0.79 [0.51-1.17]	0.41 [0.29-0.59]	0.42 [0.26-0.65]	0.36 [0.24-0.52]	0.22 [0.15-0.33]	
Rochdale		3.46 [3.17-3.78]	0.44 [0.26-0.65]	0.36 [0.24-0.73]	0.23 [0.15-0.33]	0.26 [0.15-0.42]	0.25 [0.16-0.41]	0.28 [0.16-0.50]	0.15 [0.10-0.21]	0.14 [0.08-0.21]	0.12 [0.08-0.17]	0.08 [0.05-0.11]	
Salford		4.52 [4.14-4.93]	0.53 [0.35-0.75]	0.51 [0.37-0.73]	0.33 [0.23-0.45]	0.32 [0.20-0.48]	0.28 [0.18-0.45]	0.32 [0.20-0.53]	0.21 [0.15-0.29]	0.20 [0.12-0.29]	0.13 [0.09-0.20]	0.09 [0.06-0.13]	
Sefton		5.48 [5.02-5.97]	0.78 [0.47-1.13]	0.58 [0.40-1.07]	0.41 [0.28-0.57]	0.38 [0.23-0.64]	0.41 [0.27-0.65]	0.41 [0.22-0.79]	0.24 [0.16-0.34]	0.17 [0.10-0.27]	0.18 [0.12-0.26]	0.10 [0.07-0.15]	
St. Helens		5.31 [4.85-5.81]	0.48 [0.32-0.69]	0.61 [0.42-0.84]	0.34 [0.23-0.46]	0.35 [0.23-0.53]	0.35 [0.22-0.51]	0.37 [0.22-0.57]	0.33 [0.23-0.46]	0.16 [0.11-0.23]	0.19 [0.13-0.28]	0.09 [0.06-0.14]	
Stockport		6.17 [5.67-6.72]	0.70 [0.46-0.99]	0.69 [0.48-0.95]	0.44 [0.31-0.61]	0.48 [0.32-0.73]	0.46 [0.30-0.67]	0.42 [0.26-0.64]	0.28 [0.20-0.39]	0.26 [0.17-0.37]	0.22 [0.14-0.31]	0.12 [0.08-0.18]	
Tameside		6.69 [6.12-7.31]	0.90 [0.54-1.28]	0.72 [0.50-1.34]	0.48 [0.32-0.66]	0.53 [0.31-0.82]	0.48 [0.31-0.77]	0.52 [0.27-0.98]	0.27 [0.18-0.38]	0.19 [0.12-0.30]	0.21 [0.14-0.31]	0.20 [0.13-0.29]	
Trafford		6.26 [5.73-6.84]	0.72 [0.46-1.00]	0.71 [0.51-0.98]	0.46 [0.32-0.62]	0.51 [0.34-0.76]	0.44 [0.28-0.65]	0.45 [0.28-0.71]	0.26 [0.18-0.37]	0.20 [0.12-0.29]	0.17 [0.11-0.25]	0.10 [0.07-0.15]	
Warrington		4.56 [4.17-4.97]	0.51 [0.33-0.74]	0.51 [0.36-0.72]	0.33 [0.23-0.45]	0.33 [0.21-0.48]	0.32 [0.20-0.48]	0.29 [0.17-0.53]	0.28 [0.19-0.38]	0.11 [0.07-0.18]	0.16 [0.11-0.24]	0.10 [0.07-0.14]	
Wigan		6.94 [6.37-7.56]	0.70 [0.48-1.00]	0.83 [0.57-1.17]	0.50 [0.35-0.68]	0.52 [0.34-0.78]	0.48 [0.30-0.69]	0.40 [0.25-0.59]	0.43 [0.31-0.60]	0.15 [0.09-0.23]	0.21 [0.15-0.29]	0.14 [0.09-0.20]	
Wirral		9.33 [8.57-10.16]	1.06 [0.73-1.50]	1.08 [0.77-1.55]	0.53 [0.37-0.73]	0.67 [0.45-1.04]	0.67 [0.45-0.94]	0.66 [0.40-1.03]	0.50 [0.35-0.70]	0.32 [0.21-0.47]	0.34 [0.23-0.48]	0.26 [0.18-0.36]	
Yorkshire & Humber	Barnsley	10.28 [9.28-11.37]	1.12 [0.75-1.58]	1.16 [0.81-1.67]	0.64 [0.46-0.90]	0.78 [0.49-1.23]	0.76 [0.50-1.09]	0.59 [0.37-0.89]	0.60 [0.42-0.83]	0.39 [0.24-0.56]	0.47 [0.31-0.67]	0.27 [0.19-0.38]	
	Bradford	7.57 [6.87-8.37]	0.79 [0.53-1.09]	0.91 [0.65-1.20]	0.58 [0.41-0.77]	0.55 [0.37-0.80]	0.52 [0.33-0.75]	0.52 [0.32-0.78]	0.36 [0.25-0.51]	0.38 [0.22-0.55]	0.27 [0.18-0.38]	0.14 [0.09-0.22]	
	Calderdale	4.06 [3.67-4.49]	0.54 [0.33-0.77]	0.39 [0.25-0.62]	0.29 [0.20-0.40]	0.36 [0.23-0.55]	0.26 [0.17-0.41]	0.34 [0.21-0.51]	0.19 [0.13-0.26]	0.14 [0.09-0.21]	0.12 [0.08-0.18]	0.09 [0.06-0.13]	
	Doncaster	8.24 [7.48-9.03]	0.88 [0.56-1.29]	1.00 [0.67-1.36]	0.64 [0.45-0.86]	0.58 [0.35-0.89]	0.55 [0.33-0.80]	0.51 [0.29-0.79]	0.47 [0.31-0.65]	0.32 [0.19-0.47]	0.31 [0.20-0.45]	0.20 [0.13-0.28]	
	East Riding of Yorkshire	3.66 [3.30-4.03]	0.51 [0.33-0.74]	0.42 [0.30-0.58]	0.28 [0.19-0.39]	0.28 [0.18-0.42]	0.25 [0.17-0.37]	0.26 [0.17-0.40]	0.16 [0.11-0.23]	0.13 [0.08-0.19]	0.11 [0.07-0.16]	0.08 [0.05-0.11]	
	Kingston upon Hull	10.08 [9.13-11.09]	1.13 [0.74-1.62]	1.07 [0.74-1.51]	0.67 [0.46-0.92]	0.70 [0.45-1.02]	0.71 [0.46-1.00]	0.60 [0.38-0.90]	0.54 [0.38-0.76]	0.41 [0.26-0.58]	0.46 [0.30-0.65]	0.18 [0.12-0.27]	
	Kirkle												



		All causes	Brain and nervous system cancer	Congenital birth defects	Road injuries	Other malignant neoplasms	Leukemia	Endocrine, metabolic, blood, and immune disorders	Lower respiratory infections	Other neurological disorders	Epilepsy	Meningitis	
East Midlands	Derby	2.01 [1.76-2.27]	0.22 [0.14-0.32]	0.20 [0.13-0.30]	0.14 [0.09-0.20]	0.16 [0.10-0.25]	0.13 [0.08-0.20]	0.16 [0.10-0.24]	0.11 [0.07-0.15]	0.06 [0.04-0.09]	0.06 [0.04-0.09]	0.05 [0.03-0.07]	
	Derbyshire	2.80 [2.52-3.13]	0.36 [0.23-0.50]	0.30 [0.21-0.45]	0.20 [0.14-0.29]	0.22 [0.14-0.33]	0.19 [0.13-0.29]	0.21 [0.13-0.32]	0.12 [0.08-0.16]	0.10 [0.06-0.15]	0.09 [0.06-0.13]	0.06 [0.04-0.10]	
	Leicester	3.35 [3.00-3.74]	0.39 [0.24-0.57]	0.37 [0.26-0.55]	0.25 [0.17-0.35]	0.25 [0.15-0.36]	0.23 [0.15-0.37]	0.27 [0.16-0.42]	0.16 [0.11-0.23]	0.10 [0.07-0.15]	0.11 [0.07-0.17]	0.06 [0.04-0.09]	
	Leicestershire	2.90 [2.60-3.24]	0.36 [0.24-0.49]	0.33 [0.23-0.45]	0.27 [0.19-0.37]	0.24 [0.16-0.37]	0.22 [0.14-0.31]	0.20 [0.13-0.30]	0.13 [0.09-0.18]	0.09 [0.06-0.13]	0.08 [0.05-0.12]	0.05 [0.03-0.08]	
	Lincolnshire	5.33 [4.79-5.94]	0.59 [0.38-0.85]	0.58 [0.40-0.84]	0.58 [0.41-0.79]	0.56 [0.23-0.96]	0.37 [0.24-0.55]	0.32 [0.18-0.47]	0.23 [0.16-0.33]	0.18 [0.12-0.25]	0.16 [0.11-0.23]	0.12 [0.08-0.17]	
	Northamptonshire	2.53 [2.29-2.81]	0.29 [0.19-0.41]	0.27 [0.19-0.38]	0.24 [0.17-0.35]	0.19 [0.13-0.27]	0.19 [0.12-0.27]	0.19 [0.11-0.28]	0.11 [0.08-0.15]	0.08 [0.05-0.12]	0.07 [0.05-0.11]	0.05 [0.03-0.07]	
	Nottingham	2.30 [2.01-2.60]	0.27 [0.17-0.39]	0.21 [0.14-0.36]	0.16 [0.11-0.23]	0.18 [0.11-0.28]	0.15 [0.09-0.25]	0.19 [0.11-0.30]	0.09 [0.06-0.13]	0.06 [0.04-0.11]	0.06 [0.04-0.09]	0.05 [0.03-0.07]	
	Nottinghamshire	2.71 [2.44-3.01]	0.34 [0.21-0.48]	0.27 [0.19-0.42]	0.22 [0.16-0.31]	0.23 [0.15-0.34]	0.18 [0.12-0.29]	0.22 [0.13-0.33]	0.11 [0.07-0.15]	0.09 [0.06-0.13]	0.07 [0.05-0.10]	0.06 [0.04-0.08]	
	Rutland	1.51 [1.26-1.79]	0.22 [0.13-0.33]	0.16 [0.10-0.23]	0.19 [0.13-0.27]	0.10 [0.06-0.16]	0.08 [0.05-0.13]	0.10 [0.06-0.17]	0.06 [0.04-0.09]	0.05 [0.03-0.08]	0.03 [0.02-0.05]	0.03 [0.02-0.04]	
West Midlands	Birmingham	7.09 [6.63-7.58]	0.72 [0.48-1.00]	0.79 [0.55-1.06]	0.46 [0.32-0.62]	0.52 [0.34-0.74]	0.49 [0.33-0.70]	0.55 [0.33-0.82]	0.34 [0.24-0.46]	0.25 [0.16-0.36]	0.27 [0.18-0.38]	0.15 [0.10-0.20]	
	Coventry	10.53 [9.24-11.90]	1.12 [0.73-1.56]	1.19 [0.85-1.66]	0.62 [0.44-0.88]	0.81 [0.53-1.20]	0.72 [0.46-1.06]	0.84 [0.54-1.25]	0.47 [0.32-0.67]	0.37 [0.24-0.54]	0.43 [0.29-0.61]	0.27 [0.19-0.37]	
	Dudley	13.52 [11.86-15.27]	1.38 [0.91-2.02]	1.71 [1.20-2.31]	0.96 [0.68-1.31]	0.95 [0.62-1.48]	0.98 [0.60-1.45]	1.07 [0.56-1.69]	0.65 [0.43-0.90]	0.42 [0.26-0.62]	0.50 [0.32-0.71]	0.30 [0.20-0.44]	
	Herefordshire, County of	6.16 [5.34-7.03]	0.80 [0.52-1.15]	0.72 [0.50-1.01]	0.52 [0.36-0.72]	0.47 [0.30-0.69]	0.47 [0.31-0.70]	0.48 [0.31-0.75]	0.22 [0.15-0.31]	0.20 [0.14-0.31]	0.14 [0.09-0.20]	0.11 [0.08-0.17]	
	Sandwell	9.21 [8.61-9.91]	0.83 [0.53-1.17]	1.12 [0.79-1.48]	0.59 [0.42-0.79]	0.58 [0.37-0.83]	0.67 [0.40-0.96]	0.74 [0.35-1.18]	0.46 [0.32-0.63]	0.28 [0.18-0.42]	0.35 [0.23-0.48]	0.20 [0.13-0.28]	
	Shropshire	5.59 [4.86-6.38]	0.76 [0.48-1.08]	0.62 [0.43-0.95]	0.58 [0.40-0.79]	0.49 [0.31-0.74]	0.39 [0.24-0.62]	0.36 [0.19-0.70]	0.24 [0.16-0.34]	0.19 [0.12-0.29]	0.16 [0.10-0.22]	0.10 [0.07-0.15]	
	Solihull	3.67 [3.20-4.16]	0.60 [0.33-0.87]	0.37 [0.22-0.76]	0.33 [0.22-0.46]	0.29 [0.16-0.46]	0.31 [0.20-0.48]	0.26 [0.12-0.57]	0.11 [0.07-0.16]	0.08 [0.05-0.15]	0.10 [0.06-0.14]	0.05 [0.03-0.07]	
	Staffordshire	6.19 [5.81-6.61]	0.68 [0.44-0.95]	0.71 [0.52-0.94]	0.47 [0.34-0.63]	0.46 [0.30-0.65]	0.44 [0.28-0.63]	0.42 [0.26-0.63]	0.29 [0.20-0.40]	0.23 [0.16-0.34]	0.23 [0.16-0.33]	0.13 [0.09-0.19]	
	Stoke-on-Trent	11.40 [10.65-12.25]	1.06 [0.66-1.63]	1.52 [0.89-2.05]	0.92 [0.65-1.23]	0.86 [0.44-1.41]	0.68 [0.39-1.03]	0.63 [0.35-1.00]	0.58 [0.39-0.80]	0.31 [0.19-0.47]	0.43 [0.27-0.61]	0.29 [0.18-0.41]	
	Telford and Wrekin	13.67 [11.93-15.54]	1.24 [0.64-2.05]	1.70 [0.81-2.55]	1.18 [0.79-1.65]	0.99 [0.39-1.73]	1.00 [0.56-1.50]	0.65 [0.30-1.09]	0.76 [0.47-1.07]	0.50 [0.26-0.78]	0.57 [0.35-0.84]	0.43 [0.26-0.63]	
	Walsall	4.23 [3.95-4.55]	0.49 [0.33-0.70]	0.45 [0.31-0.71]	0.25 [0.17-0.36]	0.33 [0.21-0.49]	0.29 [0.19-0.44]	0.39 [0.25-0.58]	0.20 [0.14-0.27]	0.13 [0.08-0.19]	0.15 [0.10-0.21]	0.08 [0.05-0.11]	
	Warwickshire	5.59 [5.22-6.02]	0.69 [0.45-0.95]	0.63 [0.45-0.91]	0.41 [0.29-0.56]	0.43 [0.28-0.63]	0.40 [0.26-0.59]	0.43 [0.27-0.66]	0.27 [0.19-0.37]	0.19 [0.12-0.27]	0.17 [0.11-0.24]	0.12 [0.08-0.17]	
	Wolverhampton	6.97 [6.11-7.88]	0.66 [0.42-0.93]	0.80 [0.56-1.08]	0.50 [0.34-0.71]	0.53 [0.35-0.83]	0.45 [0.28-0.64]	0.55 [0.31-0.86]	0.36 [0.25-0.49]	0.24 [0.15-0.35]	0.28 [0.18-0.41]	0.14 [0.09-0.20]	
	Worcestershire	7.48 [6.98-8.06]	0.80 [0.60-1.24]	0.82 [0.59-1.12]	0.57 [0.41-0.77]	0.57 [0.38-0.82]	0.53 [0.36-0.78]	0.56 [0.35-0.83]	0.35 [0.25-0.49]	0.28 [0.18-0.41]	0.22 [0.15-0.32]	0.16 [0.11-0.23]	
	Greater London	Barking and Dagenham	9.08 [8.51-9.67]	1.02 [0.68-1.47]	0.97 [0.68-1.39]	0.57 [0.40-0.79]	0.74 [0.44-1.22]	0.63 [0.41-0.91]	0.57 [0.35-0.87]	0.55 [0.38-0.75]	0.25 [0.16-0.36]	0.31 [0.21-0.43]	0.15 [0.10-0.23]
		Barnet	3.58 [3.37-3.81]	0.43 [0.28-0.58]	0.37 [0.26-0.51]	0.27 [0.20-0.37]	0.26 [0.18-0.38]	0.27 [0.19-0.38]	0.23 [0.14-0.35]	0.19 [0.13-0.26]	0.12 [0.08-0.18]	0.10 [0.07-0.14]	0.08 [0.06-0.11]
		Bexley	3.09 [2.89-3.29]	0.44 [0.26-0.62]	0.28 [0.19-0.58]	0.21 [0.14-0.29]	0.28 [0.16-0.42]	0.27 [0.18-0.41]	0.26 [0.15-0.44]	0.12 [0.08-0.17]	0.10 [0.06-0.16]	0.07 [0.05-0.11]	0.08 [0.05-0.11]
		Brent	6.03 [5.66-6.42]	0.78 [0.50-1.16]	0.62 [0.44-0.90]	0.35 [0.24-0.48]	0.46 [0.31-0.69]	0.46 [0.31-0.66]	0.42 [0.25-0.66]	0.27 [0.19-0.39]	0.22 [0.14-0.32]	0.13 [0.09-0.19]	0.13 [0.09-0.18]
		Bromley	4.19 [3.93-4.47]	0.60 [0.36-0.88]	0.43 [0.29-0.70]	0.30 [0.21-0.40]	0.35 [0.22-0.52]	0.32 [0.22-0.49]	0.32 [0.19-0.52]	0.19 [0.14-0.27]	0.14 [0.09-0.21]	0.14 [0.09-0.19]	0.11 [0.08-0.15]
Camden		1.92 [1.79-2.06]	0.22 [0.14-0.32]	0.16 [0.10-0.25]	0.12 [0.08-0.16]	0.13 [0.09-0.19]	0.13 [0.09-0.19]	0.13 [0.08-0.20]	0.08 [0.06-0.11]	0.05 [0.03-0.07]	0.05 [0.03-0.07]	0.04 [0.03-0.06]	
Croydon		2.87 [2.70-3.06]	0.37 [0.23-0.52]	0.29 [0.20-0.51]	0.19 [0.14-0.27]	0.22 [0.14-0.33]	0.20 [0.13-0.31]	0.21 [0.11-0.38]	0.13 [0.09-0.18]	0.09 [0.06-0.14]	0.09 [0.06-0.13]	0.07 [0.05-0.10]	
Ealing		2.72 [2.55-2.90]	0.35 [0.22-0.50]	0.26 [0.18-0.45]	0.18 [0.12-0.25]	0.19 [0.11-0.29]	0.19 [0.13-0.30]	0.20 [0.12-0.34]	0.15 [0.10-0.21]	0.08 [0.05-0.13]	0.09 [0.06-0.13]	0.05 [0.04-0.07]	
Enfield		7.61 [7.14-8.10]	0.91 [0.60-1.29]	0.80 [0.55-1.17]	0.52 [0.37-0.71]	0.54 [0.35-0.81]	0.59 [0.38-0.83]	0.49 [0.31-0.72]	0.42 [0.29-0.59]	0.25 [0.16-0.36]	0.29 [0.20-0.42]	0.21 [0.14-0.29]	
Greenwich		4.93 [4.62-5.25]	0.51 [0.35-0.71]	0.53 [0.37-0.74]	0.35 [0.25-0.48]	0.36 [0.23-0.55]	0.34 [0.22-0.49]	0.27 [0.17-0.42]	0.24 [0.17-0.34]	0.17 [0.11-0.24]	0.14 [0.10-0.20]	0.15 [0.10-0.21]	
Hackney		8.38 [7.86-8.92]	0.88 [0.56-1.28]	0.75 [0.47-1.24]	0.51 [0.36-0.71]	0.61 [0.33-0.96]	0.59 [0.39-0.86]	0.56 [0.28-0.93]	0.42 [0.30-0.57]	0.22 [0.14-0.34]	0.28 [0.19-0.40]	0.20 [0.13-0.28]	
Hammersmith and Fulham		4.12 [3.86-4.40]	0.45 [0.29-0.67]	0.39 [0.27-0.58]	0.29 [0.20-0.40]	0.31 [0.20-0.45]	0.25 [0.17-0.38]	0.30 [0.18-0.48]	0.19 [0.13-0.26]	0.11 [0.07-0.18]	0.10 [0.07-0.14]	0.10 [0.06-0.13]	
Haringey		5.10 [4.79-5.43]	0.54 [0.35-0.77]	0.45 [0.29-0.71]	0.34 [0.24-0.46]	0.36 [0.24-0.54]	0.33 [0.22-0.49]	0.34 [0.21-0.52]	0.25 [0.17-0.36]	0.18 [0.11-0.25]	0.13 [0.09-0.19]	0.14 [0.09-0.19]	
Harrow		5.74 [5.38-6.11]	0.67 [0.44-0.98]	0.65 [0.47-0.88]	0.38 [0.27-0.51]	0.42 [0.27-0.64]	0.48 [0.33-0.67]	0.34 [0.21-0.52]	0.27 [0.19-0.37]	0.23 [0.14-0.35]	0.16 [0.11-0.22]	0.14 [0.10-0.19]	
Havering		4.61 [4.30-4.95]	0.62 [0.41-0.87]	0.52 [0.38-0.70]	0.33 [0.23-0.44]	0.34 [0.22-0.49]	0.34 [0.23-0.48]	0.31 [0.20-0.48]	0.26 [0.18-0.37]	0.12 [0.08-0.18]	0.12 [0.08-0.18]	0.12 [0.08-0.17]	
Hillingdon		25.65 [24.09-27.29]	3.32 [2.05-4.65]	2.94 [2.01-4.10]	1.76 [1.21-2.34]	2.03 [1.19-3.15]	1.95 [1.26-2.73]	1.64 [0.95-2.59]	1.42 [0.98-1.95]	0.87 [0.55-1.23]	0.80 [0.54-1.12]	0.58 [0.39-0.83]	
Hounslow		5.05 [4.74-5.38]	0.57 [0.38-0.79]	0.52 [0.37-0.72]	0.43 [0.31-0.59]	0.36 [0.24-0.53]	0.35 [0.23-0.50]	0.37 [0.22-0.55]	0.25 [0.18-0.35]	0.16 [0.10-0.23]	0.13 [0.09-0.19]	0.11 [0.07-0.15]	
Islington		6.38 [5.98-6.80]	0.60 [0.40-0.85]	0.60 [0.40-0.90]	0.44 [0.31-0.60]	0.42 [0.28-0.63]	0.46 [0.30-0.64]	0.36 [0.22-0.54]	0.36 [0.26-0.50]	0.23 [0.09-0.21]	0.14 [0.10-0.21]	0.15 [0.11-0.22]	
Kensington and Chelsea		3.44 [3.19-3.71]	0.42 [0.26-0.61]	0.29 [0.19-0.50]	0.24 [0.16-0.32]	0.27 [0.17-0.39]	0.24 [0.15-0.36]	0.26 [0.17-0.40]	0.14 [0.10-0.20]				

		All causes	Brain and nervous system cancer	Congenital birth defects	Road injuries	Other malignant neoplasms	Leukemia	Endocrine, metabolic, blood, and immune disorders	Lower respiratory infections	Other neurological disorders	Epilepsy	Meningitis
East of England	Bedford	6.15 [5.32-7.00]	0.86 [0.53-1.27]	0.63 [0.43-1.06]	0.48 [0.33-0.68]	0.51 [0.30-0.78]	0.42 [0.26-0.66]	0.48 [0.29-0.79]	0.22 [0.15-0.32]	0.24 [0.15-0.35]	0.20 [0.13-0.31]	0.06 [0.04-0.13]
	Cambridgeshire	9.72 [8.73-10.77]	1.22 [0.80-1.71]	1.00 [0.71-1.38]	1.04 [0.74-1.40]	0.72 [0.48-1.06]	0.67 [0.42-0.98]	0.66 [0.41-1.04]	0.41 [0.28-0.57]	0.36 [0.23-0.53]	0.30 [0.20-0.43]	0.18 [0.11-0.25]
	Central Bedfordshire	4.15 [3.65-4.67]	0.57 [0.33-0.84]	0.39 [0.26-0.73]	0.32 [0.22-0.44]	0.34 [0.20-0.52]	0.29 [0.19-0.48]	0.33 [0.19-0.58]	0.17 [0.11-0.25]	0.15 [0.09-0.24]	0.13 [0.09-0.20]	0.07 [0.05-0.10]
	Essex	3.26 [2.97-3.60]	0.46 [0.29-0.65]	0.33 [0.22-0.59]	0.22 [0.15-0.31]	0.25 [0.15-0.37]	0.24 [0.16-0.38]	0.27 [0.17-0.45]	0.13 [0.09-0.19]	0.12 [0.07-0.17]	0.11 [0.07-0.15]	0.06 [0.04-0.09]
	Hertfordshire	6.06 [5.47-6.71]	0.80 [0.50-1.13]	0.65 [0.45-0.92]	0.46 [0.32-0.64]	0.43 [0.28-0.64]	0.45 [0.28-0.66]	0.39 [0.21-0.68]	0.31 [0.21-0.45]	0.24 [0.16-0.35]	0.20 [0.14-0.29]	0.11 [0.07-0.16]
	Luton	7.03 [6.24-7.79]	0.83 [0.50-1.23]	0.69 [0.47-1.19]	0.40 [0.29-0.56]	0.48 [0.28-0.74]	0.48 [0.32-0.75]	0.66 [0.42-0.99]	0.33 [0.22-0.46]	0.25 [0.16-0.40]	0.31 [0.19-0.44]	0.13 [0.09-0.19]
	Norfolk	2.75 [2.48-3.04]	0.38 [0.24-0.54]	0.29 [0.20-0.43]	0.23 [0.16-0.32]	0.22 [0.14-0.32]	0.19 [0.12-0.28]	0.20 [0.13-0.32]	0.10 [0.07-0.14]	0.10 [0.06-0.15]	0.08 [0.05-0.12]	0.05 [0.04-0.08]
	Peterborough	10.19 [9.00-11.38]	1.12 [0.76-1.60]	1.05 [0.73-1.49]	0.81 [0.57-1.12]	0.71 [0.47-1.07]	0.68 [0.43-1.00]	0.83 [0.48-1.27]	0.52 [0.36-0.73]	0.44 [0.28-0.66]	0.37 [0.24-0.53]	0.16 [0.11-0.25]
	Southend-on-Sea	4.93 [4.34-5.54]	0.62 [0.40-0.85]	0.55 [0.39-0.77]	0.32 [0.22-0.45]	0.40 [0.26-0.59]	0.32 [0.20-0.49]	0.38 [0.24-0.56]	0.26 [0.18-0.37]	0.13 [0.08-0.19]	0.17 [0.11-0.25]	0.10 [0.07-0.14]
	Suffolk	1.98 [1.78-2.19]	0.30 [0.17-0.44]	0.20 [0.13-0.40]	0.16 [0.11-0.22]	0.15 [0.09-0.25]	0.15 [0.10-0.24]	0.17 [0.09-0.31]	0.07 [0.05-0.10]	0.07 [0.04-0.11]	0.05 [0.03-0.08]	0.03 [0.02-0.05]
	Thurrock	4.60 [4.03-5.18]	0.77 [0.39-1.14]	0.39 [0.24-1.05]	0.27 [0.18-0.39]	0.39 [0.18-0.65]	0.37 [0.21-0.68]	0.52 [0.30-0.81]	0.17 [0.11-0.26]	0.17 [0.06-0.23]	0.15 [0.09-0.23]	0.07 [0.04-0.11]
	Bath and North East Somerset	1.97 [1.81-2.15]	0.37 [0.17-0.53]	0.18 [0.09-0.46]	0.17 [0.12-0.23]	0.17 [0.07-0.29]	0.17 [0.10-0.28]	0.15 [0.06-0.36]	0.05 [0.03-0.08]	0.07 [0.04-0.12]	0.06 [0.04-0.09]	0.03 [0.02-0.05]
	Bournemouth	4.11 [3.73-4.54]	0.54 [0.34-0.77]	0.44 [0.31-0.69]	0.25 [0.17-0.35]	0.34 [0.21-0.48]	0.28 [0.18-0.45]	0.32 [0.20-0.52]	0.17 [0.11-0.23]	0.15 [0.10-0.23]	0.13 [0.08-0.19]	0.09 [0.06-0.13]
	Bristol, City of	2.51 [2.32-2.72]	0.33 [0.21-0.46]	0.26 [0.18-0.40]	0.18 [0.12-0.26]	0.19 [0.13-0.26]	0.18 [0.12-0.26]	0.17 [0.10-0.29]	0.11 [0.08-0.15]	0.09 [0.06-0.13]	0.07 [0.04-0.10]	0.05 [0.03-0.07]
South West	Cornwall	5.53 [4.76-6.44]	0.80 [0.49-1.15]	0.55 [0.37-0.96]	0.40 [0.27-0.56]	0.44 [0.27-0.67]	0.40 [0.27-0.63]	0.42 [0.24-0.73]	0.21 [0.14-0.31]	0.21 [0.13-0.32]	0.17 [0.11-0.25]	0.12 [0.08-0.18]
	Devon	4.77 [3.98-5.64]	0.70 [0.42-1.02]	0.52 [0.36-0.80]	0.31 [0.21-0.44]	0.40 [0.25-0.61]	0.37 [0.24-0.55]	0.35 [0.19-0.60]	0.19 [0.13-0.27]	0.16 [0.10-0.24]	0.15 [0.10-0.22]	0.10 [0.07-0.14]
	Dorset	4.74 [4.37-5.15]	0.77 [0.44-1.10]	0.44 [0.29-0.90]	0.38 [0.26-0.51]	0.39 [0.22-0.60]	0.38 [0.25-0.61]	0.36 [0.19-0.70]	0.15 [0.10-0.21]	0.15 [0.09-0.24]	0.13 [0.08-0.18]	0.08 [0.06-0.12]
	Gloucestershire	6.45 [5.96-6.99]	0.86 [0.57-1.19]	0.70 [0.50-0.97]	0.56 [0.41-0.74]	0.45 [0.28-0.63]	0.46 [0.30-0.66]	0.42 [0.25-0.68]	0.29 [0.20-0.40]	0.23 [0.15-0.33]	0.20 [0.13-0.28]	0.14 [0.09-0.19]
	North Somerset	9.70 [8.91-10.58]	1.22 [0.82-1.75]	1.17 [0.82-1.57]	0.86 [0.61-1.19]	0.66 [0.41-0.98]	0.75 [0.47-1.09]	0.53 [0.30-0.87]	0.41 [0.27-0.56]	0.37 [0.23-0.53]	0.39 [0.25-0.55]	0.22 [0.15-0.32]
	Plymouth	10.85 [9.98-11.83]	1.24 [0.81-1.78]	1.22 [0.87-1.72]	0.70 [0.48-0.96]	0.84 [0.50-1.30]	0.76 [0.50-1.11]	0.81 [0.42-1.31]	0.52 [0.37-0.73]	0.44 [0.27-0.65]	0.38 [0.25-0.55]	0.30 [0.20-0.42]
	Poole	4.39 [4.01-4.82]	0.70 [0.39-1.02]	0.39 [0.26-0.85]	0.34 [0.24-0.47]	0.33 [0.19-0.52]	0.34 [0.22-0.55]	0.34 [0.18-0.62]	0.16 [0.11-0.22]	0.17 [0.09-0.23]	0.12 [0.08-0.18]	0.05 [0.03-0.09]
	Somerset	2.69 [2.49-2.92]	0.36 [0.23-0.50]	0.28 [0.20-0.42]	0.23 [0.16-0.32]	0.22 [0.14-0.32]	0.19 [0.12-0.27]	0.20 [0.12-0.32]	0.11 [0.07-0.15]	0.11 [0.07-0.16]	0.08 [0.05-0.11]	0.05 [0.04-0.08]
	South Gloucestershire	4.87 [4.47-5.32]	0.75 [0.46-1.07]	0.51 [0.36-0.82]	0.33 [0.23-0.45]	0.41 [0.26-0.58]	0.34 [0.22-0.52]	0.35 [0.19-0.63]	0.20 [0.14-0.27]	0.21 [0.13-0.31]	0.19 [0.09-0.20]	0.09 [0.06-0.14]
	Swindon	14.17 [13.00-15.48]	2.34 [1.24-3.38]	1.39 [0.80-2.97]	1.20 [0.81-1.64]	1.16 [0.60-1.85]	1.18 [0.74-1.90]	0.99 [0.43-2.34]	0.54 [0.35-0.77]	0.41 [0.25-0.73]	0.23 [0.28-0.63]	0.21 [0.14-0.31]
	Torbay	1.93 [1.75-2.14]	0.31 [0.17-0.46]	0.17 [0.11-0.38]	0.11 [0.07-0.16]	0.16 [0.09-0.25]	0.14 [0.09-0.24]	0.17 [0.10-0.29]	0.06 [0.04-0.09]	0.07 [0.04-0.12]	0.07 [0.05-0.11]	0.03 [0.02-0.05]
	Wiltshire	5.69 [5.24-6.19]	0.76 [0.48-1.07]	0.56 [0.39-0.88]	0.51 [0.36-0.67]	0.45 [0.29-0.66]	0.40 [0.26-0.60]	0.42 [0.26-0.64]	0.26 [0.18-0.36]	0.22 [0.14-0.32]	0.17 [0.12-0.24]	0.14 [0.10-0.19]
	Bracknell Forest	3.08 [2.68-3.54]	0.39 [0.25-0.57]	0.29 [0.19-0.45]	0.23 [0.16-0.32]	0.27 [0.17-0.43]	0.20 [0.12-0.30]	0.25 [0.16-0.38]	0.16 [0.10-0.22]	0.10 [0.06-0.16]	0.09 [0.06-0.13]	0.05 [0.03-0.07]
South East	Brighton and Hove	10.66 [9.33-12.11]	0.97 [0.59-1.47]	1.23 [0.67-1.83]	0.88 [0.61-1.22]	0.74 [0.34-1.22]	0.75 [0.42-1.13]	0.62 [0.27-1.07]	0.52 [0.35-0.75]	0.35 [0.19-0.55]	0.33 [0.21-0.49]	0.31 [0.20-0.46]
	Buckinghamshire	5.83 [5.05-6.72]	0.80 [0.50-1.14]	0.63 [0.44-0.87]	0.46 [0.32-0.64]	0.47 [0.30-0.70]	0.39 [0.25-0.57]	0.39 [0.23-0.61]	0.27 [0.18-0.38]	0.17 [0.11-0.25]	0.26 [0.17-0.38]	0.13 [0.09-0.18]
	East Sussex	4.84 [4.27-5.42]	0.63 [0.40-0.88]	0.55 [0.38-0.77]	0.37 [0.26-0.51]	0.37 [0.24-0.57]	0.36 [0.23-0.53]	0.27 [0.17-0.41]	0.22 [0.15-0.30]	0.18 [0.12-0.26]	0.19 [0.13-0.27]	0.09 [0.06-0.14]
	Hampshire	2.52 [2.35-2.73]	0.34 [0.22-0.48]	0.27 [0.19-0.39]	0.20 [0.14-0.28]	0.19 [0.13-0.28]	0.18 [0.12-0.26]	0.18 [0.11-0.27]	0.11 [0.07-0.15]	0.09 [0.06-0.14]	0.08 [0.05-0.11]	0.05 [0.03-0.07]
	Isle of Wight	5.57 [4.85-6.36]	0.88 [0.46-1.26]	0.54 [0.35-1.19]	0.42 [0.28-0.61]	0.46 [0.25-0.72]	0.44 [0.27-0.70]	0.46 [0.23-0.89]	0.20 [0.13-0.29]	0.18 [0.10-0.29]	0.16 [0.10-0.23]	0.08 [0.05-0.13]
	Kent	2.13 [1.99-2.30]	0.27 [0.17-0.39]	0.23 [0.16-0.34]	0.16 [0.11-0.22]	0.16 [0.10-0.23]	0.15 [0.10-0.23]	0.15 [0.09-0.24]	0.10 [0.07-0.14]	0.07 [0.04-0.10]	0.06 [0.04-0.09]	0.05 [0.03-0.07]
	Medway	9.29 [8.14-10.51]	1.13 [0.74-1.64]	1.04 [0.73-1.49]	0.53 [0.36-0.73]	0.73 [0.45-1.15]	0.67 [0.44-0.97]	0.60 [0.38-0.90]	0.43 [0.29-0.61]	0.38 [0.23-0.56]	0.34 [0.23-0.47]	0.23 [0.15-0.33]
	Milton Keynes	5.13 [4.50-5.79]	0.59 [0.40-0.83]	0.49 [0.33-0.73]	0.47 [0.33-0.63]	0.36 [0.23-0.55]	0.40 [0.26-0.56]	0.33 [0.20-0.51]	0.30 [0.21-0.43]	0.18 [0.12-0.26]	0.18 [0.12-0.26]	0.07 [0.05-0.12]
	Oxfordshire	4.63 [4.02-5.31]	0.61 [0.39-0.85]	0.47 [0.32-0.70]	0.39 [0.27-0.54]	0.36 [0.24-0.53]	0.33 [0.22-0.50]	0.35 [0.21-0.56]	0.20 [0.14-0.29]	0.19 [0.12-0.27]	0.15 [0.10-0.21]	0.09 [0.06-0.13]
	Portsmouth	3.78 [3.30-4.30]	0.50 [0.32-0.73]	0.37 [0.24-0.60]	0.24 [0.16-0.35]	0.29 [0.18-0.43]	0.25 [0.16-0.40]	0.32 [0.20-0.47]	0.18 [0.12-0.26]	0.12 [0.08-0.18]	0.12 [0.08-0.17]	0.09 [0.06-0.13]
	Reading	3.91 [3.40-4.48]	0.43 [0.27-0.62]	0.41 [0.29-0.56]	0.26 [0.18-0.37]	0.31 [0.21-0.48]	0.26 [0.17-0.38]	0.27 [0.16-0.41]	0.22 [0.15-0.30]	0.12 [0.08-0.17]	0.16 [0.10-0.24]	0.07 [0.05-0.11]
	Slough	5.49 [4.78-6.24]	0.52 [0.34-0.78]	0.62 [0.41-0.86]	0.33 [0.23-0.46]	0.37 [0.22-0.59]	0.40 [0.25-0.57]	0.36 [0.19-0.57]	0.37 [0.25-0.51]	0.11 [0.07-0.17]	0.22 [0.14-0.31]	0.13 [0.09-0.19]
	Southampton	4.67 [4.10-5.27]	0.55 [0.36-0.78]	0.48 [0.33-0.71]	0.29 [0.20-0.41]	0.33 [0.24-0.58]	0.35 [0.22-0.48]	0.35 [0.23-0.53]	0.22 [0.15-0.31]	0.22 [0.11-0.27]	0.18 [0.09-0.19]	0.08 [0.06-0.12]
	Surrey	3.56 [3.31-3.86]	0.48 [0.31-0.68]	0.40 [0.28-0.56]	0.28 [0.20-0.39]	0.27 [0.17-0.39]	0.26 [0.17-0.39]	0.23 [0.14-0.39]	0.17 [0.12-0.23]	0.14 [0.09-0.20]	0.13 [0.09-0.19]	0.07 [0.05-0.10]
	West Berkshire	6.34 [5.54-7.19]	0.89 [0.56-1.28]	0.58 [0.39-0.90]	0.52 [0.36-0.73]	0.49 [0.32-0.71]	0.42 [0.27-0.65]	0.47 [0.29-0.70]	0.26 [0.17-0.37]	0.23 [0.15-0.35]	0.15 [0.09-0.21]	0.13 [0.08-0.18]
	West Sussex	4.07 [3.77-4.42]	0.56 [0.37-0.79]	0.44 [0.31-0.60]	0.33 [0.23-0.45]	0.31 [0.21-0.47]	0.30 [0.20-0.43]	0.27 [0.17-0.41]	0.17 [0.12-0.24]	0.16 [0.10-0.23]	0.11 [0.08-0.16]	0.09 [0.06-0.13]
	Windsor and Maidenhead	4.31 [3.73-4.96]	0.61 [0.39-0.87]	0.44 [0.30-0.69]	0.29 [0.19-0.40]	0.36 [0.23-0.56]	0.29 [0.19-0.47]	0.32 [0.18-0.56]	0.24 [0.16-0.35]	0.16 [0.11-0.25]	0.11 [0.07-0.16]	0.05 [0.03-0.09]
	Wokingham	4.09 [3.54-4.71]	0.59 [0.38-0.84]	0.43 [0.30-0.59]	0.31 [0.21-0.44]	0.33 [0.21-0.51]	0.30 [0.20-0.45]	0.30 [0.18-0.47]	0.21 [0.14-0.29]	0.18 [0.12-0.28]	0.08 [0.05-0.12]	0.06 [0.04-0.09]

Table S8 Mortality rate per 100,000 with uncertainty intervals in 10-14 year old males for 150 upper tier local authorities compared with England for all-causes and top 10 causes of death in 2017

Males 10 to 14

Males 10 to 14													Mortality rate compared to England		
													Higher than England	Similar to England	Lower than England
		All causes	Road injuries	Brain and nervous system cancer	Congenital birth defects	Leukemia	Other malignant neoplasms	Endocrine, metabolic, blood, and immune disorders	Foreign body	Other neurological disorders	Epilepsy	Asthma			
North East	County Durham	7.91 [7.34-8.54]	1.10 [0.76-1.54]	0.64 [0.43-0.90]	0.63 [0.44-0.84]	0.57 [0.37-0.83]	0.47 [0.28-0.68]	0.44 [0.28-0.65]	0.34 [0.26-0.45]	0.36 [0.24-0.51]	0.27 [0.19-0.36]	0.30 [0.21-0.41]			
	Darlington	8.32 [7.69-9.04]	0.98 [0.69-1.40]	0.62 [0.41-0.86]	0.63 [0.45-0.88]	0.72 [0.48-1.01]	0.53 [0.32-0.80]	0.53 [0.36-0.79]	0.33 [0.25-0.44]	0.43 [0.29-0.60]	0.39 [0.26-0.54]	0.21 [0.14-0.31]			
	Gateshead	8.00 [7.44-8.67]	0.90 [0.64-1.34]	0.65 [0.45-0.90]	0.61 [0.44-0.86]	0.57 [0.39-0.79]	0.57 [0.36-0.85]	0.44 [0.30-0.65]	0.42 [0.32-0.54]	0.30 [0.20-0.42]	0.27 [0.20-0.36]	0.24 [0.16-0.34]			
	Hartlepool	15.06 [13.97-16.29]	1.69 [1.21-2.25]	1.22 [0.81-1.72]	0.98 [0.68-1.55]	1.14 [0.77-1.62]	1.08 [0.67-1.62]	0.75 [0.49-1.23]	1.08 [0.80-1.41]	0.54 [0.34-0.76]	0.62 [0.42-0.86]	0.51 [0.35-0.72]			
	Middlesbrough	10.70 [9.91-11.56]	1.23 [0.87-1.71]	0.76 [0.49-1.07]	0.83 [0.60-1.17]	0.82 [0.54-1.20]	0.70 [0.46-1.07]	0.53 [0.36-0.82]	0.48 [0.36-0.64]	0.40 [0.28-0.57]	0.43 [0.31-0.57]	0.36 [0.24-0.52]			
	Newcastle upon Tyne	16.46 [15.33-17.74]	1.94 [1.37-2.58]	1.13 [0.66-1.74]	1.19 [0.72-1.76]	0.99 [0.58-1.49]	1.04 [0.45-1.72]	1.00 [0.54-1.42]	1.08 [0.79-1.44]	0.58 [0.35-0.88]	0.74 [0.46-1.02]	0.56 [0.38-0.79]			
	North Tyneside	14.73 [13.69-15.97]	1.52 [1.10-2.06]	1.36 [0.87-1.97]	1.09 [0.75-1.60]	1.22 [0.82-1.74]	1.17 [0.68-1.72]	0.78 [0.52-1.26]	0.70 [0.53-0.93]	0.56 [0.38-0.81]	0.49 [0.35-0.68]	0.32 [0.21-0.46]			
	Northumberland	9.85 [9.17-10.66]	1.20 [0.85-1.72]	0.87 [0.56-1.24]	0.79 [0.56-1.06]	0.73 [0.48-1.06]	0.60 [0.40-0.90]	0.62 [0.40-0.86]	0.66 [0.50-0.87]	0.40 [0.27-0.56]	0.34 [0.24-0.46]	0.25 [0.17-0.38]			
	Redcar and Cleveland	14.37 [13.35-15.54]	1.78 [1.29-2.42]	1.23 [0.83-1.76]	1.16 [0.82-1.60]	1.24 [0.82-1.80]	0.94 [0.59-1.45]	0.60 [0.39-0.99]	0.65 [0.50-0.86]	0.45 [0.30-0.65]	0.48 [0.34-0.63]	0.42 [0.27-0.60]			
	South Tyneside	9.66 [8.98-10.42]	0.94 [0.67-1.30]	0.77 [0.52-1.08]	0.81 [0.56-1.09]	0.70 [0.46-0.98]	0.78 [0.48-1.16]	0.53 [0.36-0.78]	0.56 [0.43-0.73]	0.23 [0.15-0.33]	0.41 [0.29-0.57]	0.29 [0.19-0.42]			
	Stockton-on-Tees	9.42 [8.74-10.18]	1.19 [0.85-1.66]	0.85 [0.56-1.22]	0.69 [0.47-0.97]	0.77 [0.51-1.07]	0.73 [0.45-1.11]	0.49 [0.33-0.76]	0.29 [0.22-0.38]	0.40 [0.27-0.57]	0.30 [0.22-0.40]	0.28 [0.19-0.39]			
	Sunderland	8.54 [7.91-9.22]	0.98 [0.68-1.45]	0.59 [0.38-0.82]	0.63 [0.44-0.87]	0.61 [0.40-0.84]	0.56 [0.36-0.86]	0.48 [0.32-0.69]	0.49 [0.37-0.62]	0.35 [0.24-0.49]	0.33 [0.22-0.46]	0.27 [0.18-0.39]			
North West	Blackburn with Darwen	8.46 [7.79-9.15]	1.01 [0.68-1.60]	0.61 [0.28-0.98]	0.66 [0.35-0.98]	0.48 [0.27-0.75]	0.36 [0.19-0.61]	0.54 [0.24-0.81]	0.35 [0.26-0.48]	0.37 [0.22-0.55]	0.35 [0.20-0.48]	0.44 [0.29-0.62]			
	Blackpool	6.87 [6.33-7.46]	0.63 [0.41-1.14]	0.45 [0.30-0.64]	0.45 [0.32-0.68]	0.52 [0.35-0.78]	0.40 [0.25-0.59]	0.43 [0.28-0.61]	0.43 [0.32-0.56]	0.23 [0.16-0.34]	0.25 [0.18-0.33]	0.24 [0.16-0.35]			
	Bolton	12.03 [11.10-13.02]	1.42 [1.03-1.91]	0.88 [0.58-1.22]	0.91 [0.65-1.26]	0.88 [0.57-1.26]	0.75 [0.50-1.09]	0.83 [0.53-1.14]	0.57 [0.42-0.74]	0.45 [0.31-0.64]	0.41 [0.29-0.55]	0.38 [0.26-0.55]			
	Bury	7.84 [7.23-8.48]	0.76 [0.52-1.09]	0.64 [0.42-0.91]	0.63 [0.45-0.88]	0.60 [0.42-0.84]	0.52 [0.34-0.76]	0.45 [0.30-0.67]	0.47 [0.36-0.61]	0.27 [0.19-0.38]	0.26 [0.19-0.35]	0.19 [0.13-0.29]			
	Cheshire East	9.13 [8.44-9.86]	1.16 [0.83-1.56]	0.86 [0.55-1.24]	0.65 [0.47-0.97]	0.70 [0.48-1.00]	0.58 [0.37-0.83]	0.54 [0.36-0.85]	0.43 [0.32-0.57]	0.31 [0.20-0.45]	0.40 [0.26-0.55]	0.21 [0.14-0.30]			
	Cheshire West and Chester	8.98 [8.31-9.69]	1.22 [0.89-1.59]	0.82 [0.54-1.14]	0.69 [0.48-0.96]	0.66 [0.44-0.94]	0.57 [0.37-0.84]	0.51 [0.33-0.79]	0.50 [0.38-0.64]	0.30 [0.20-0.43]	0.25 [0.18-0.33]	0.25 [0.17-0.36]			
	Cumbria	14.01 [13.00-15.11]	1.87 [1.38-2.49]	1.17 [0.78-1.67]	1.04 [0.73-1.42]	0.98 [0.66-1.43]	0.96 [0.60-1.40]	0.69 [0.47-1.06]	0.73 [0.56-0.94]	0.58 [0.40-0.83]	0.46 [0.33-0.62]	0.36 [0.24-0.51]			
	Halton	13.17 [12.10-14.25]	1.42 [1.00-1.98]	1.13 [0.76-1.61]	0.95 [0.68-1.35]	1.05 [0.68-1.46]	0.76 [0.50-1.10]	0.78 [0.54-1.17]	0.76 [0.58-0.98]	0.47 [0.33-0.64]	0.41 [0.29-0.57]	0.40 [0.25-0.57]			
	Knowsley	13.30 [12.28-14.44]	1.54 [1.12-2.06]	1.01 [0.66-1.42]	1.04 [0.76-1.40]	0.93 [0.62-1.33]	0.78 [0.49-1.18]	0.85 [0.57-1.21]	0.71 [0.53-0.92]	0.40 [0.27-0.55]	0.50 [0.36-0.67]	0.46 [0.31-0.65]			
	Lancashire	16.68 [15.42-18.08]	1.99 [1.23-2.77]	1.39 [0.93-1.96]	1.30 [0.94-1.74]	1.15 [0.77-1.60]	0.91 [0.57-1.35]	0.92 [0.61-1.32]	0.96 [0.71-1.25]	0.54 [0.36-0.76]	0.69 [0.48-0.92]	0.54 [0.36-0.77]			
	Liverpool	12.64 [11.66-13.77]	1.30 [0.91-1.78]	0.85 [0.55-1.27]	0.96 [0.70-1.31]	0.94 [0.61-1.35]	0.76 [0.52-1.11]	0.70 [0.49-0.99]	0.70 [0.53-0.91]	0.48 [0.33-0.65]	0.55 [0.36-0.74]	0.40 [0.27-0.57]			
	Manchester	14.63 [13.49-15.84]	1.62 [1.09-2.23]	0.98 [0.59-1.59]	1.10 [0.78-1.54]	0.97 [0.65-1.38]	0.74 [0.47-1.07]	0.85 [0.59-1.21]	0.76 [0.57-0.98]	0.44 [0.30-0.64]	0.63 [0.42-0.85]	0.55 [0.37-0.78]			
	Oldham	19.13 [17.62-20.71]	2.14 [1.51-3.00]	1.28 [0.75-1.86]	1.60 [1.05-2.21]	1.13 [0.67-1.67]	1.00 [0.61-1.55]	1.14 [0.65-1.62]	1.15 [0.85-1.52]	0.82 [0.50-1.18]	0.75 [0.49-1.01]	0.80 [0.54-1.12]			
	Rochdale	19.07 [17.59-20.58]	2.10 [1.50-2.82]	1.34 [0.91-1.84]	1.48 [1.05-2.09]	1.30 [0.85-1.85]	1.06 [0.70-1.61]	1.17 [0.74-1.62]	0.95 [0.72-1.22]	0.80 [0.53-1.13]	0.77 [0.51-1.02]	0.74 [0.53-1.03]			
	Salford	17.47 [16.13-18.89]	2.00 [1.46-2.68]	1.10 [0.71-1.64]	1.42 [1.00-1.92]	1.29 [0.86-1.79]	0.98 [0.61-1.50]	1.18 [0.73-1.60]	0.99 [0.75-1.27]	0.60 [0.39-0.83]	0.67 [0.46-0.89]	0.60 [0.40-0.85]			
	Sefton	12.86 [11.89-13.91]	1.19 [0.78-1.62]	1.06 [0.70-1.52]	0.94 [0.69-1.40]	1.02 [0.68-1.48]	0.90 [0.57-1.30]	0.79 [0.54-1.15]	0.68 [0.51-0.89]	0.48 [0.33-0.70]	0.71 [0.39-0.98]	0.35 [0.23-0.51]			
	St. Helens	15.89 [14.59-17.20]	1.76 [1.23-2.42]	1.07 [0.59-1.58]	1.37 [0.82-1.87]	1.11 [0.66-1.64]	0.68 [0.41-1.07]	1.03 [0.51-1.50]	0.95 [0.69-1.27]	0.54 [0.33-0.80]	0.60 [0.39-0.81]	0.59 [0.38-0.84]			
	Stockport	11.16 [10.31-12.03]	1.17 [0.81-1.57]	1.06 [0.72-1.57]	0.81 [0.57-1.18]	0.88 [0.58-1.27]	0.73 [0.47-1.11]	0.71 [0.48-1.05]	0.64 [0.48-0.85]	0.44 [0.31-0.63]	0.44 [0.30-0.61]	0.29 [0.18-0.41]			
	Tameside	17.75 [16.30-19.21]	1.75 [1.23-2.44]	1.28 [0.85-1.82]	1.47 [1.04-1.97]	1.33 [0.91-1.92]	1.17 [0.78-1.70]	0.98 [0.68-1.40]	1.00 [0.76-1.30]	0.54 [0.36-0.79]	0.62 [0.44-0.84]	0.64 [0.44-0.90]			
	Trafford	17.57 [16.22-19.06]	1.94 [1.28-2.67]	1.49 [0.93-2.15]	1.27 [0.85-1.94]	1.21 [0.73-1.78]	0.98 [0.60-1.52]	1.05 [0.65-1.57]	0.94 [0.69-1.25]	0.61 [0.39-0.86]	0.74 [0.51-1.01]	0.61 [0.41-0.86]			
	Warrington	8.25 [7.59-8.95]	0.95 [0.67-1.30]	0.73 [0.47-1.09]	0.59 [0.41-0.89]	0.66 [0.46-0.97]	0.50 [0.31-0.75]	0.41 [0.27-0.75]	0.41 [0.30-0.54]	0.35 [0.24-0.49]	0.29 [0.20-0.39]	0.26 [0.17-0.36]			
	Wigan	11.10 [10.23-11.99]	1.24 [0.88-1.66]	0.86 [0.57-1.22]	0.87 [0.62-1.19]	0.78 [0.52-1.10]	0.64 [0.41-0.94]	0.67 [0.45-0.99]	0.55 [0.42-0.73]	0.30 [0.20-0.43]	0.34 [0.25-0.46]	0.36 [0.24-0.52]			
	Wirral	8.63 [8.00-9.32]	0.92 [0.66-1.27]	0.71 [0.48-0.98]	0.66 [0.47-0.90]	0.66 [0.43-0.96]	0.52 [0.33-0.73]	0.56 [0.36-0.79]	0.48 [0.36-0.61]	0.32 [0.21-0.46]	0.33 [0.23-0.45]	0.25 [0.17-0.34]			
Yorkshire & Humber	Barnsley	17.30 [15.97-18.73]	2.38 [1.69-3.15]	1.31 [0.71-1.96]	1.35 [0.87-1.91]	1.21 [0.76-1.74]	0.90 [0.54-1.38]	0.80 [0.49-1.21]	0.95 [0.72-1.26]	0.65 [0.41-0.92]	0.51 [0.35-0.69]	0.82 [0.58-1.15]			
	Bradford	4.68 [4.32-5.08]	0.59 [0.41-0.97]	0.41 [0.26-0.61]	0.34 [0.24-0.52]	0.33 [0.22-0.49]	0.30 [0.18-0.45]	0.27 [0.17-0.41]	0.21 [0.16-0.28]	0.22 [0.15-0.31]	0.18 [0.13-0.25]	0.13 [0.08-0.18]			
	Calderdale	7.29 [6.72-7.92]	0.82 [0.57-1.17]	0.55 [0.37-0.78]	0.56 [0.40-0.76]	0.53 [0.35-0.75]	0.51 [0.33-0.77]	0.51 [0.34-0.71]	0.44 [0.32-0.58]	0.24 [0.16-0.36]	0.28 [0.20-0.38]	0.20 [0.13-0.29]			
	Doncaster	12.10 [11.20-13.13]	1.55 [1.12-2.09]	1.03 [0.70-1.42]	0.97 [0.67-1.32]	0.94 [0.64-1.34]	0.90 [0.58-1.32]	0.65 [0.43-0.97]	0.50 [0.36-0.64]	0.48 [0.33-0.70]	0.40 [0.29-0.54]	0.36 [0.23-0.53]			
	East Riding of Yorkshire	12.09 [11.16-13.12]	1.86 [1.37-2.40]	1.09 [0.73-1.51]	0.95 [0.67-1.28]	0.91 [0.57-1.29]	0.70 [0.47-1.03]								



## Males 10 to 14

Mortality rate compared to England

Higher than England

Similar to England

Lower than England

		All causes	Road injuries	Brain and nervous system cancer	Congenital birth defects	Leukemia	Other malignant neoplasms	Endocrine, metabolic, blood, and immune disorders	Foreign body	Other neurological disorders	Epilepsy	Asthma
East Midlands	Derby	6.52 [5.89-7.18]	0.82 [0.58-1.21]	0.56 [0.38-0.81]	0.49 [0.35-0.69]	0.47 [0.32-0.66]	0.41 [0.27-0.61]	0.41 [0.28-0.59]	0.33 [0.25-0.43]	0.21 [0.14-0.30]	0.25 [0.17-0.33]	0.19 [0.13-0.28]
	Derbyshire	12.66 [11.74-13.70]	1.83 [1.35-2.40]	1.05 [0.69-1.46]	0.97 [0.67-1.31]	0.92 [0.59-1.32]	0.67 [0.42-0.99]	0.67 [0.45-0.96]	0.76 [0.57-0.99]	0.46 [0.31-0.65]	0.40 [0.29-0.54]	0.37 [0.26-0.53]
	Leicester	14.16 [13.09-15.32]	1.73 [1.23-2.28]	0.98 [0.61-1.38]	1.18 [0.83-1.55]	1.01 [0.67-1.46]	0.82 [0.54-1.21]	0.89 [0.59-1.25]	0.77 [0.57-0.99]	0.56 [0.38-0.79]	0.56 [0.39-0.76]	0.43 [0.29-0.60]
	Leicestershire	5.99 [5.56-6.49]	1.00 [0.70-1.56]	0.55 [0.35-0.78]	0.44 [0.30-0.61]	0.46 [0.28-0.64]	0.33 [0.20-0.49]	0.41 [0.26-0.56]	0.27 [0.20-0.35]	0.23 [0.14-0.32]	0.17 [0.12-0.22]	0.16 [0.11-0.23]
	Lincolnshire	10.39 [9.50-11.28]	1.81 [1.39-2.33]	0.84 [0.56-1.14]	0.78 [0.55-1.06]	0.72 [0.46-1.01]	0.57 [0.35-0.84]	0.67 [0.42-0.96]	0.50 [0.38-0.66]	0.34 [0.23-0.48]	0.29 [0.21-0.39]	0.25 [0.17-0.35]
	Northamptonshire	10.33 [9.58-11.18]	1.52 [1.09-1.95]	0.89 [0.59-1.24]	0.73 [0.52-1.02]	0.76 [0.51-1.07]	0.65 [0.42-0.94]	0.59 [0.39-0.87]	0.60 [0.46-0.79]	0.33 [0.23-0.47]	0.32 [0.23-0.43]	0.28 [0.19-0.40]
	Nottingham	9.33 [8.42-10.25]	1.24 [0.87-1.80]	0.62 [0.38-0.94]	0.71 [0.48-0.99]	0.56 [0.35-0.83]	0.51 [0.31-0.80]	0.59 [0.34-0.85]	0.62 [0.47-0.79]	0.32 [0.21-0.45]	0.30 [0.21-0.40]	0.36 [0.25-0.50]
	Nottinghamshire	7.38 [6.85-7.96]	1.08 [0.78-1.46]	0.64 [0.41-0.92]	0.55 [0.39-0.75]	0.53 [0.36-0.74]	0.46 [0.29-0.66]	0.45 [0.29-0.64]	0.39 [0.30-0.51]	0.28 [0.19-0.40]	0.22 [0.16-0.30]	0.22 [0.14-0.32]
	Rutland	7.06 [6.26-7.87]	1.30 [0.95-1.68]	0.69 [0.44-0.97]	0.54 [0.37-0.75]	0.53 [0.33-0.77]	0.49 [0.31-0.75]	0.43 [0.28-0.63]	0.23 [0.17-0.31]	0.23 [0.16-0.33]	0.13 [0.09-0.18]	0.12 [0.08-0.18]
	West Midlands	Birmingham	10.91 [10.20-11.70]	1.21 [0.87-1.57]	0.81 [0.53-1.20]	0.85 [0.61-1.13]	0.75 [0.50-1.05]	0.63 [0.40-0.90]	0.63 [0.49-1.05]	0.63 [0.48-0.81]	0.41 [0.28-0.58]	0.43 [0.30-0.57]
Coventry		9.15 [8.26-10.11]	1.28 [0.88-1.89]	0.65 [0.40-0.95]	0.70 [0.44-0.98]	0.58 [0.34-0.87]	0.42 [0.25-0.64]	0.62 [0.35-0.89]	0.53 [0.39-0.68]	0.36 [0.22-0.52]	0.40 [0.25-0.54]	0.38 [0.26-0.52]
Dudley		14.12 [12.73-15.61]	1.66 [1.16-2.31]	1.06 [0.69-1.51]	1.15 [0.79-1.55]	1.08 [0.66-1.56]	0.80 [0.50-1.19]	1.07 [0.62-1.51]	0.67 [0.50-0.88]	0.44 [0.28-0.62]	0.59 [0.40-0.79]	0.51 [0.35-0.71]
Herefordshire, County of		10.06 [8.98-11.14]	1.60 [1.17-2.07]	0.96 [0.61-1.36]	0.68 [0.48-0.98]	0.79 [0.50-1.10]	0.58 [0.38-0.85]	0.57 [0.39-0.85]	0.45 [0.33-0.59]	0.39 [0.26-0.57]	0.28 [0.20-0.39]	0.23 [0.15-0.33]
Sandwell		21.51 [20.11-23.03]	2.66 [1.83-3.58]	1.35 [0.85-1.95]	1.76 [1.12-2.39]	1.38 [0.82-2.06]	1.09 [0.65-1.68]	1.70 [0.78-2.44]	1.31 [0.99-1.70]	0.53 [0.33-0.77]	0.88 [0.59-1.18]	0.90 [0.62-1.22]
Shropshire		10.37 [9.35-11.45]	1.72 [1.25-2.22]	0.91 [0.60-1.29]	0.82 [0.57-1.12]	0.74 [0.48-1.07]	0.59 [0.39-0.88]	0.47 [0.29-0.76]	0.49 [0.36-0.63]	0.41 [0.27-0.57]	0.35 [0.24-0.48]	0.25 [0.16-0.35]
Solihull		23.44 [20.94-26.12]	3.06 [1.92-4.25]	2.13 [1.37-3.01]	1.94 [1.32-2.63]	1.92 [1.22-2.74]	1.65 [0.93-2.57]	1.45 [0.95-2.03]	1.29 [0.94-1.72]	0.74 [0.49-1.08]	0.95 [0.64-1.31]	0.59 [0.39-0.86]
Staffordshire		10.71 [10.00-11.53]	1.61 [1.16-2.10]	0.90 [0.59-1.30]	0.81 [0.56-1.10]	0.74 [0.45-1.08]	0.61 [0.38-0.90]	0.55 [0.33-0.81]	0.57 [0.43-0.76]	0.36 [0.23-0.51]	0.38 [0.26-0.50]	0.34 [0.23-0.48]
Stoke-on-Trent		14.10 [13.17-15.12]	1.65 [1.19-2.23]	1.19 [0.80-1.71]	1.11 [0.80-1.60]	0.96 [0.62-1.38]	0.95 [0.60-1.35]	0.77 [0.50-1.20]	0.54 [0.40-0.71]	0.60 [0.41-0.86]	0.44 [0.31-0.60]	0.50 [0.32-0.73]
Telford and Wrekin		11.86 [10.61-13.12]	1.64 [1.16-2.18]	1.02 [0.69-1.45]	0.89 [0.63-1.28]	0.84 [0.55-1.20]	0.85 [0.53-1.27]	0.63 [0.43-1.01]	0.56 [0.41-0.75]	0.45 [0.31-0.65]	0.39 [0.28-0.52]	0.33 [0.21-0.47]
Greater London	Walsall	13.84 [12.93-14.82]	1.37 [0.98-1.84]	1.06 [0.72-1.46]	1.05 [0.76-1.45]	0.93 [0.64-1.33]	0.79 [0.49-1.13]	1.02 [0.64-1.46]	0.98 [0.75-1.24]	0.56 [0.38-0.77]	0.52 [0.37-0.69]	0.50 [0.35-0.70]
	Warwickshire	14.49 [13.59-15.46]	2.10 [1.34-2.76]	1.31 [0.86-1.85]	1.06 [0.74-1.53]	1.13 [0.74-1.62]	0.89 [0.57-1.31]	0.89 [0.57-1.33]	0.60 [0.45-0.79]	0.53 [0.36-0.76]	0.53 [0.37-0.72]	0.40 [0.28-0.57]
	Wolverhampton	10.31 [9.26-11.39]	1.15 [0.83-1.55]	0.80 [0.54-1.13]	0.73 [0.51-1.02]	0.71 [0.45-1.00]	0.63 [0.41-0.93]	0.65 [0.43-0.92]	0.67 [0.50-0.87]	0.36 [0.24-0.49]	0.35 [0.25-0.47]	0.30 [0.20-0.43]
	Worcestershire	8.48 [7.94-9.06]	1.16 [0.84-1.53]	0.77 [0.50-1.08]	0.64 [0.45-0.89]	0.62 [0.41-0.88]	0.50 [0.32-0.71]	0.53 [0.36-0.77]	0.49 [0.37-0.62]	0.33 [0.23-0.46]	0.28 [0.21-0.38]	0.23 [0.15-0.31]
	Barking and Dagenham	4.98 [4.64-5.35]	0.50 [0.35-0.81]	0.42 [0.26-0.63]	0.35 [0.25-0.53]	0.41 [0.28-0.59]	0.42 [0.25-0.65]	0.24 [0.16-0.38]	0.23 [0.17-0.30]	0.14 [0.10-0.20]	0.19 [0.13-0.26]	0.16 [0.11-0.24]
	Barnet	5.03 [4.70-5.39]	0.54 [0.37-0.75]	0.54 [0.32-0.81]	0.34 [0.23-0.53]	0.41 [0.27-0.59]	0.30 [0.18-0.49]	0.31 [0.19-0.47]	0.23 [0.17-0.30]	0.20 [0.13-0.29]	0.16 [0.11-0.22]	0.10 [0.07-0.14]
	Bexley	6.60 [6.16-7.07]	0.68 [0.47-0.95]	0.65 [0.42-0.93]	0.47 [0.33-0.72]	0.59 [0.38-0.82]	0.49 [0.31-0.71]	0.44 [0.26-0.63]	0.26 [0.20-0.34]	0.23 [0.16-0.32]	0.16 [0.12-0.21]	0.17 [0.12-0.25]
	Brent	9.58 [8.97-10.24]	0.94 [0.66-1.26]	0.89 [0.55-1.41]	0.66 [0.46-1.00]	0.79 [0.51-1.16]	0.56 [0.33-0.93]	0.48 [0.30-0.78]	0.40 [0.30-0.53]	0.33 [0.22-0.52]	0.35 [0.24-0.50]	0.24 [0.16-0.34]
	Bromley	5.59 [5.24-6.00]	0.66 [0.47-0.90]	0.70 [0.36-1.04]	0.41 [0.27-0.71]	0.48 [0.32-0.71]	0.38 [0.22-0.65]	0.30 [0.19-0.53]	0.20 [0.15-0.26]	0.21 [0.15-0.32]	0.16 [0.11-0.22]	0.10 [0.07-0.15]
	Camden	8.17 [7.62-8.77]	0.75 [0.53-1.01]	0.72 [0.45-1.14]	0.50 [0.36-0.81]	0.66 [0.42-0.99]	0.49 [0.29-0.77]	0.46 [0.31-0.78]	0.41 [0.30-0.52]	0.22 [0.14-0.34]	0.25 [0.18-0.35]	0.19 [0.12-0.26]
Greater London	Croydon	8.79 [8.20-9.42]	0.95 [0.68-1.27]	0.86 [0.55-1.32]	0.67 [0.44-1.02]	0.69 [0.47-0.99]	0.52 [0.31-0.87]	0.49 [0.31-0.78]	0.43 [0.32-0.57]	0.31 [0.21-0.44]	0.37 [0.24-0.51]	0.25 [0.17-0.35]
	Ealing	10.91 [10.17-11.72]	1.16 [0.84-1.58]	0.86 [0.57-1.20]	0.78 [0.56-1.10]	0.77 [0.54-1.11]	0.60 [0.39-0.87]	0.68 [0.44-0.95]	0.56 [0.42-0.73]	0.37 [0.25-0.52]	0.43 [0.30-0.58]	0.33 [0.22-0.44]
	Enfield	4.10 [3.84-4.39]	0.53 [0.36-0.87]	0.40 [0.25-0.62]	0.28 [0.20-0.45]	0.35 [0.23-0.50]	0.23 [0.14-0.40]	0.20 [0.13-0.32]	0.18 [0.13-0.23]	0.14 [0.09-0.20]	0.11 [0.08-0.15]	0.09 [0.06-0.13]
	Greenwich	6.42 [5.97-6.86]	0.74 [0.52-1.03]	0.58 [0.37-0.90]	0.47 [0.33-0.70]	0.48 [0.32-0.68]	0.39 [0.23-0.63]	0.30 [0.20-0.48]	0.31 [0.24-0.40]	0.20 [0.14-0.29]	0.23 [0.16-0.30]	0.20 [0.14-0.28]
	Hackney	7.35 [6.86-7.85]	0.67 [0.46-1.03]	0.49 [0.25-0.82]	0.46 [0.33-0.69]	0.51 [0.34-0.71]	0.41 [0.25-0.62]	0.48 [0.33-0.68]	0.41 [0.30-0.53]	0.23 [0.15-0.33]	0.25 [0.18-0.33]	0.21 [0.15-0.31]
	Hammersmith and Fulham	4.83 [4.50-5.19]	0.53 [0.36-0.85]	0.47 [0.26-0.77]	0.31 [0.21-0.52]	0.40 [0.27-0.61]	0.27 [0.16-0.46]	0.26 [0.17-0.44]	0.24 [0.18-0.32]	0.15 [0.09-0.22]	0.15 [0.10-0.21]	0.10 [0.07-0.15]
	Haringey	6.61 [6.16-7.09]	0.69 [0.49-1.00]	0.47 [0.30-0.73]	0.42 [0.29-0.66]	0.44 [0.29-0.65]	0.36 [0.23-0.53]	0.41 [0.26-0.58]	0.38 [0.28-0.49]	0.18 [0.12-0.26]	0.23 [0.16-0.32]	0.18 [0.12-0.26]
	Harrow	11.18 [10.40-11.96]	1.32 [0.95-1.75]	1.03 [0.67-1.46]	0.81 [0.57-1.12]	0.93 [0.61-1.32]	0.74 [0.49-1.08]	0.77 [0.45-1.07]	0.54 [0.41-0.70]	0.31 [0.21-0.45]	0.41 [0.29-0.54]	0.29 [0.20-0.40]
	Havering	8.83 [8.23-9.49]	1.03 [0.74-1.41]	0.92 [0.57-1.31]	0.64 [0.47-0.88]	0.63 [0.41-0.90]	0.62 [0.40-0.95]	0.54 [0.33-0.75]	0.52 [0.38-0.68]	0.31 [0.21-0.45]	0.35 [0.24-0.47]	0.25 [0.16-0.35]
	Hillingdon	10.08 [9.41-10.82]	1.18 [0.87-1.58]	0.93 [0.63-1.32]	0.79 [0.56-1.04]	0.87 [0.58-1.23]	0.69 [0.44-1.03]	0.63 [0.43-0.90]	0.40 [0.30-0.53]	0.35 [0.24-0.51]	0.32 [0.24-0.44]	0.27 [0.18-0.37]
Greater London	Hounslow	10.03 [9.36-10.70]	1.06 [0.77-1.42]	0.88 [0.57-1.30]	0.67 [0.47-1.03]	0.83 [0.57-1.19]	0.60 [0.37-0.89]	0.59 [0.40-0.87]	0.43 [0.32-0.55]	0.34 [0.24-0.49]	0.31 [0.23-0.42]	0.27 [0.18-0.38]
	Islington	8.68 [8.10-9.28]	0.78 [0.53-1.34]	0.61 [0.38-0.91]	0.58 [0.36-0.89]	0.56 [0.36-0.79]	0.43 [0.23-0.65]	0.46 [0.28-0.66]	0.62 [0.47-0.79]	0.22 [0.15-0.32]	0.31 [0.22-0.41]	0.30 [0.21-0.43]
	Kensington and Chelsea	9.74 [9.07-10.48]	0.84 [0.58-1.17]	0.83 [0.54-1.25]	0.61 [0.42-0.99]	0.66 [0.43-0.94						

		All causes	Road injuries	Brain and nervous system cancer	Congenital birth defects	Leukemia	Other malignant neoplasms	Endocrine, metabolic, blood, and immune disorders	Foreign body	Other neurological disorders	Epilepsy	Asthma
East of England	Bedford	11.59 [10.59-12.67]	1.26 [0.90-1.68]	1.05 [0.69-1.52]	0.77 [0.55-1.15]	0.81 [0.54-1.17]	0.77 [0.49-1.13]	0.70 [0.44-1.03]	0.86 [0.65-1.13]	0.50 [0.35-0.73]	0.43 [0.30-0.60]	0.27 [0.18-0.39]
	Cambridgeshire	10.21 [9.43-11.09]	1.54 [1.04-2.00]	0.95 [0.62-1.35]	0.73 [0.51-1.04]	0.75 [0.49-1.04]	0.62 [0.40-0.90]	0.64 [0.41-0.92]	0.63 [0.48-0.82]	0.37 [0.25-0.53]	0.34 [0.24-0.46]	0.23 [0.16-0.32]
	Central Bedfordshire	10.59 [9.61-11.59]	1.50 [1.09-2.00]	0.97 [0.62-1.43]	0.77 [0.55-1.08]	0.70 [0.45-1.02]	0.63 [0.40-0.95]	0.61 [0.38-0.86]	0.69 [0.51-0.90]	0.41 [0.27-0.56]	0.36 [0.25-0.49]	0.33 [0.23-0.46]
	Essex	6.76 [6.26-7.30]	0.87 [0.64-1.14]	0.63 [0.41-0.94]	0.50 [0.34-0.73]	0.52 [0.35-0.73]	0.44 [0.28-0.65]	0.42 [0.27-0.61]	0.33 [0.24-0.43]	0.24 [0.17-0.35]	0.24 [0.17-0.33]	0.17 [0.12-0.24]
	Hertfordshire	5.16 [4.77-5.61]	0.60 [0.42-0.82]	0.54 [0.32-0.86]	0.38 [0.26-0.58]	0.44 [0.30-0.66]	0.34 [0.21-0.55]	0.29 [0.19-0.48]	0.29 [0.21-0.38]	0.21 [0.14-0.32]	0.14 [0.10-0.19]	0.11 [0.07-0.16]
	Luton	13.50 [12.38-14.67]	1.74 [1.25-2.35]	0.99 [0.63-1.41]	1.12 [0.75-1.51]	0.78 [0.50-1.14]	0.83 [0.49-1.26]	0.82 [0.46-1.17]	0.72 [0.54-0.94]	0.53 [0.34-0.75]	0.67 [0.40-0.90]	0.49 [0.35-0.70]
	Norfolk	9.12 [8.39-9.92]	1.37 [1.01-1.78]	0.85 [0.56-1.19]	0.66 [0.46-0.94]	0.72 [0.49-1.04]	0.58 [0.36-0.84]	0.54 [0.36-0.78]	0.41 [0.31-0.53]	0.39 [0.27-0.55]	0.28 [0.20-0.37]	0.20 [0.13-0.29]
	Peterborough	12.82 [11.63-13.95]	1.43 [1.00-1.95]	1.19 [0.78-1.73]	0.83 [0.59-1.22]	0.96 [0.63-1.42]	0.86 [0.55-1.31]	0.81 [0.51-1.21]	0.73 [0.54-0.98]	0.53 [0.36-0.82]	0.47 [0.32-0.66]	0.33 [0.21-0.49]
	Southend-on-Sea	9.56 [8.68-10.43]	0.89 [0.61-1.25]	0.84 [0.55-1.21]	0.71 [0.51-1.03]	0.70 [0.46-1.02]	0.63 [0.39-0.95]	0.63 [0.37-0.91]	0.45 [0.34-0.60]	0.32 [0.22-0.47]	0.55 [0.30-0.73]	0.24 [0.16-0.35]
	Suffolk	9.75 [9.00-10.63]	1.33 [0.94-1.75]	0.98 [0.61-1.38]	0.70 [0.50-0.99]	0.77 [0.53-1.09]	0.63 [0.40-0.92]	0.59 [0.38-0.88]	0.56 [0.42-0.72]	0.37 [0.25-0.53]	0.29 [0.21-0.39]	0.20 [0.14-0.29]
	Thurrock	21.76 [19.76-23.91]	2.80 [1.91-3.75]	1.83 [1.09-2.71]	1.65 [1.15-2.26]	1.32 [1.09-2.39]	1.38 [0.82-2.01]	1.22 [0.80-1.95]	1.22 [0.91-1.61]	0.57 [0.37-0.82]	0.91 [0.61-1.21]	0.77 [0.54-1.07]
	Bath and North East Somerset	5.41 [4.99-5.86]	0.69 [0.51-0.92]	0.60 [0.35-0.85]	0.39 [0.28-0.57]	0.43 [0.28-0.60]	0.37 [0.23-0.54]	0.32 [0.21-0.46]	0.26 [0.20-0.33]	0.20 [0.14-0.29]	0.13 [0.09-0.18]	0.11 [0.07-0.15]
	Bournemouth	6.85 [6.34-7.38]	0.73 [0.53-1.01]	0.60 [0.40-0.83]	0.49 [0.34-0.68]	0.54 [0.35-0.76]	0.38 [0.25-0.54]	0.47 [0.28-0.67]	0.42 [0.32-0.56]	0.31 [0.21-0.43]	0.25 [0.17-0.34]	0.17 [0.12-0.24]
South West	Bristol, City of	8.02 [7.47-8.60]	1.02 [0.76-1.38]	0.75 [0.50-1.04]	0.62 [0.43-0.84]	0.60 [0.39-0.84]	0.45 [0.29-0.65]	0.47 [0.31-0.68]	0.47 [0.35-0.61]	0.28 [0.19-0.39]	0.27 [0.19-0.37]	0.21 [0.15-0.30]
	Cornwall	9.77 [8.86-10.81]	1.27 [0.90-1.71]	0.84 [0.54-1.16]	0.69 [0.49-0.99]	0.74 [0.49-1.07]	0.63 [0.39-0.92]	0.55 [0.36-0.78]	0.51 [0.38-0.69]	0.36 [0.24-0.49]	0.32 [0.23-0.44]	0.23 [0.15-0.33]
	Devon	9.92 [8.81-11.16]	1.24 [0.88-1.64]	0.98 [0.63-1.41]	0.76 [0.54-1.03]	0.72 [0.44-1.03]	0.61 [0.38-0.91]	0.63 [0.40-0.89]	0.50 [0.37-0.66]	0.39 [0.26-0.55]	0.35 [0.24-0.46]	0.23 [0.15-0.32]
	Dorset	10.52 [9.82-11.32]	1.49 [1.05-1.95]	1.04 [0.66-1.46]	0.70 [0.49-1.02]	0.79 [0.52-1.12]	0.66 [0.42-0.96]	0.66 [0.43-0.93]	0.60 [0.46-0.77]	0.38 [0.27-0.54]	0.32 [0.24-0.44]	0.23 [0.15-0.33]
	Gloucestershire	9.57 [8.90-10.26]	1.45 [1.05-1.90]	0.89 [0.58-1.23]	0.72 [0.51-1.00]	0.71 [0.47-0.99]	0.55 [0.36-0.81]	0.49 [0.32-0.73]	0.50 [0.37-0.64]	0.35 [0.24-0.49]	0.30 [0.22-0.40]	0.22 [0.15-0.31]
	North Somerset	11.90 [11.06-12.82]	1.38 [0.95-1.85]	1.22 [0.76-1.70]	1.00 [0.70-1.35]	0.95 [0.62-1.38]	0.78 [0.51-1.13]	0.54 [0.35-0.92]	0.60 [0.45-0.77]	0.55 [0.38-0.77]	0.37 [0.27-0.51]	0.29 [0.19-0.42]
	Plymouth	7.65 [7.10-8.26]	0.77 [0.56-1.04]	0.71 [0.46-1.02]	0.62 [0.43-0.88]	0.60 [0.40-0.85]	0.42 [0.29-0.64]	0.42 [0.29-0.64]	0.33 [0.25-0.42]	0.29 [0.20-0.41]	0.23 [0.17-0.30]	0.18 [0.12-0.26]
	Poole	7.02 [6.49-7.58]	0.87 [0.63-1.16]	0.79 [0.45-1.13]	0.49 [0.35-0.70]	0.59 [0.38-0.83]	0.45 [0.28-0.65]	0.40 [0.26-0.59]	0.35 [0.26-0.46]	0.25 [0.17-0.35]	0.23 [0.16-0.31]	0.14 [0.09-0.20]
	Somerset	10.17 [9.49-10.92]	1.63 [1.21-2.11]	0.93 [0.58-1.31]	0.79 [0.57-1.06]	0.74 [0.46-1.08]	0.51 [0.31-0.77]	0.58 [0.36-0.79]	0.50 [0.37-0.65]	0.40 [0.26-0.56]	0.36 [0.24-0.50]	0.25 [0.16-0.35]
	South Gloucestershire	10.08 [9.35-10.82]	1.41 [1.04-1.83]	1.15 [0.70-1.70]	0.84 [0.59-1.12]	0.79 [0.51-1.16]	0.67 [0.44-1.00]	0.60 [0.40-0.87]	0.44 [0.32-0.57]	0.34 [0.23-0.49]	0.32 [0.23-0.43]	0.24 [0.15-0.32]
	Swindon	11.67 [10.81-12.57]	1.44 [1.01-1.91]	1.13 [0.73-1.55]	0.80 [0.58-1.18]	0.89 [0.59-1.25]	0.87 [0.56-1.31]	0.64 [0.43-0.98]	0.81 [0.62-1.04]	0.43 [0.29-0.62]	0.33 [0.24-0.45]	0.31 [0.21-0.44]
	Torbay	5.78 [5.35-6.22]	0.46 [0.31-0.69]	0.62 [0.37-0.91]	0.43 [0.30-0.66]	0.51 [0.34-0.76]	0.40 [0.24-0.61]	0.41 [0.25-0.60]	0.23 [0.17-0.31]	0.24 [0.16-0.35]	0.19 [0.13-0.27]	0.13 [0.08-0.20]
	Wiltshire	8.11 [7.55-8.74]	1.35 [1.01-1.75]	0.79 [0.50-1.12]	0.59 [0.41-0.83]	0.62 [0.40-0.87]	0.48 [0.30-0.70]	0.41 [0.27-0.61]	0.35 [0.26-0.46]	0.30 [0.20-0.43]	0.22 [0.16-0.29]	0.20 [0.12-0.25]
South East	Bracknell Forest	9.87 [9.00-10.81]	1.18 [0.84-1.58]	1.06 [0.64-1.53]	0.77 [0.53-1.11]	0.80 [0.52-1.18]	0.65 [0.38-0.98]	0.56 [0.37-0.88]	0.63 [0.47-0.82]	0.30 [0.20-0.44]	0.37 [0.25-0.50]	0.20 [0.13-0.29]
	Brighton and Hove	8.00 [7.37-8.72]	0.70 [0.49-0.97]	0.78 [0.49-1.16]	0.58 [0.41-0.90]	0.61 [0.41-0.88]	0.54 [0.34-0.82]	0.49 [0.33-0.74]	0.43 [0.31-0.58]	0.27 [0.18-0.40]	0.28 [0.19-0.38]	0.20 [0.13-0.29]
	Buckinghamshire	10.19 [9.25-11.29]	1.29 [0.92-1.71]	1.07 [0.66-1.55]	0.72 [0.51-1.07]	0.73 [0.49-1.06]	0.68 [0.42-0.99]	0.64 [0.43-0.95]	0.53 [0.39-0.70]	0.34 [0.23-0.51]	0.53 [0.30-0.74]	0.23 [0.15-0.33]
	East Sussex	12.58 [11.56-13.68]	1.63 [1.12-2.14]	1.17 [0.78-1.67]	1.11 [0.77-1.51]	0.95 [0.64-1.41]	0.77 [0.49-1.14]	0.72 [0.47-1.03]	0.53 [0.39-0.69]	0.42 [0.29-0.60]	0.48 [0.33-0.67]	0.30 [0.20-0.42]
	Hampshire	7.75 [7.16-8.38]	1.05 [0.74-1.41]	0.79 [0.50-1.13]	0.55 [0.39-0.83]	0.61 [0.42-0.84]	0.53 [0.33-0.77]	0.45 [0.30-0.67]	0.39 [0.29-0.50]	0.29 [0.20-0.41]	0.22 [0.16-0.29]	0.18 [0.12-0.25]
	Isle of Wight	4.04 [3.68-4.44]	0.47 [0.33-0.67]	0.46 [0.22-0.68]	0.31 [0.18-0.51]	0.33 [0.22-0.49]	0.28 [0.16-0.46]	0.19 [0.12-0.36]	0.20 [0.15-0.26]	0.14 [0.09-0.21]	0.11 [0.08-0.15]	0.08 [0.06-0.12]
	Kent	7.99 [7.40-8.60]	1.03 [0.74-1.34]	0.75 [0.48-1.06]	0.58 [0.40-0.84]	0.62 [0.42-0.86]	0.51 [0.31-0.73]	0.47 [0.30-0.68]	0.39 [0.29-0.50]	0.28 [0.20-0.40]	0.24 [0.18-0.33]	0.20 [0.13-0.28]
	Medway	13.84 [12.77-15.06]	1.74 [1.26-2.36]	1.09 [0.72-1.56]	1.14 [0.78-1.54]	0.98 [0.63-1.43]	1.04 [0.61-1.59]	0.68 [0.44-0.99]	0.54 [0.40-0.71]	0.57 [0.37-0.81]	0.59 [0.40-0.79]	0.48 [0.33-0.68]
	Milton Keynes	5.43 [5.01-5.93]	0.76 [0.54-1.08]	0.60 [0.32-0.95]	0.38 [0.25-0.64]	0.50 [0.30-0.75]	0.41 [0.23-0.65]	0.26 [0.17-0.54]	0.16 [0.11-0.22]	0.17 [0.11-0.25]	0.16 [0.11-0.22]	0.11 [0.07-0.16]
	Oxfordshire	6.66 [6.01-7.38]	0.99 [0.73-1.32]	0.64 [0.41-0.91]	0.47 [0.32-0.67]	0.51 [0.34-0.73]	0.41 [0.25-0.60]	0.43 [0.28-0.64]	0.31 [0.23-0.40]	0.26 [0.18-0.38]	0.22 [0.16-0.30]	0.15 [0.10-0.22]
	Portsmouth	9.40 [8.62-10.24]	0.94 [0.66-1.26]	0.81 [0.51-1.20]	0.68 [0.47-1.02]	0.73 [0.49-1.07]	0.69 [0.45-1.04]	0.68 [0.42-0.99]	0.41 [0.31-0.53]	0.30 [0.21-0.44]	0.40 [0.29-0.60]	0.27 [0.18-0.39]
	Reading	9.14 [8.39-9.94]	0.87 [0.62-1.20]	0.82 [0.52-1.20]	0.66 [0.46-0.97]	0.71 [0.46-1.05]	0.59 [0.37-0.88]	0.65 [0.42-0.96]	0.35 [0.26-0.46]	0.31 [0.21-0.46]	0.28 [0.20-0.39]	0.24 [0.16-0.35]
	Slough	19.24 [17.72-20.97]	2.20 [1.54-3.03]	1.43 [0.97-2.03]	1.58 [1.11-2.09]	1.21 [0.78-1.73]	1.16 [0.68-1.76]	1.17 [0.77-1.71]	0.82 [0.60-1.08]	0.55 [0.38-0.80]	0.61 [0.44-0.85]	0.72 [0.49-0.99]
	Southampton	10.52 [9.65-11.47]	1.29 [0.93-1.72]	0.85 [0.53-1.23]	0.80 [0.54-1.07]	0.68 [0.45-0.96]	0.82 [0.49-1.23]	0.64 [0.42-0.91]	0.54 [0.40-0.71]	0.32 [0.21-0.47]	0.51 [0.30-0.69]	0.34 [0.23-0.48]
	Surrey	4.69 [4.34-5.09]	0.63 [0.44-0.99]	0.48 [0.30-0.66]	0.38 [0.26-0.50]	0.34 [0.22-0.49]	0.28 [0.19-0.40]	0.26 [0.17-0.38]	0.24 [0.18-0.31]	0.16 [0.10-0.23]	0.17 [0.12-0.23]	0.11 [0.07-0.15]
	West Berkshire	6.80 [6.21-7.45]	0.97 [0.71-1.30]	0.72 [0.45-1.05]	0.55 [0.37-0.74]	0.49 [0.33-0.69]	0.36 [0.29-0.69]	0.36 [0.24-0.60]	0.32 [0.23-0.42]	0.19 [0.12-0.28]	0.13 [0.09-0.19]	0.16 [0.10-0.23]
	West Sussex	4.36 [4.05-4.72]	0.61 [0.43-0.96]	0.45 [0.27-0.64]	0.33 [0.23-0.48]	0.33 [0.22-0.48]	0.26 [0.17-0.38]	0.24 [0.16-0.36]	0.19 [0.14-0.24]	0.20 [0.13-0.30]	0.13 [0.09-0.17]	0.09 [0.06-0.13]
	Windsor and Maidenhead	6.58 [6.01-7.17]	0.92 [0.66-1.25]	0.62 [0.40-0.87]	0.48 [0.34-0.67]	0.43 [0.28-0.63]	0.40 [0.27-0.60]	0.36 [0.23-0.54]	0.30 [0.23-0.40]	0.23 [0.16-0.33]	0.25 [0.17-0.33]	0.17 [0.12-0.24]
	Wokingham	8.59 [7.89-9.38]	1.02 [0.74-1.36]	1.07 [0.66-1.55]	0.62 [0.44-0.93]	0.69 [0.47-0.99]	0.62 [0.38-0.96]	0.41 [0.26-0.73]	0.48 [0.36-0.63]	0.29 [0.19-0.42]	0.21 [0.15-0.30]	0.18 [0.12-0.26]



Table S9 Mortality rate per 100,000 with uncertainty intervals in 10-14 year old females for 150 upper tier local authorities compared with England for all-causes and top 10 causes of death in 2017

Females 10 to 14

		Mortality rate compared to England											
		<div><div>Higher than England</div><div>Similar to England</div><div>Lower than England</div></div>											
Females 10 to 14		All causes	Road injuries	Congenital birth defects	Other malignant neoplasms	Brain and nervous system cancer	Endocrine, metabolic, blood, and immune disorders	Leukemia	Lower respiratory infections	Asthma	Epilepsy	Other neurological disorders	
North East	County Durham	9.45 [8.85-10.16]	0.89 [0.64-1.20]	0.88 [0.60-1.27]	0.81 [0.53-1.24]	0.71 [0.47-1.01]	0.65 [0.39-0.98]	0.66 [0.42-0.94]	0.36 [0.25-0.49]	0.46 [0.30-0.65]	0.33 [0.23-0.46]	0.29 [0.18-0.43]	
	Darlington	5.59 [5.11-6.09]	0.51 [0.37-0.69]	0.48 [0.33-0.69]	0.51 [0.35-0.77]	0.40 [0.26-0.57]	0.43 [0.28-0.64]	0.39 [0.26-0.55]	0.21 [0.15-0.30]	0.18 [0.12-0.26]	0.23 [0.15-0.32]	0.24 [0.15-0.35]	
	Gateshead	9.01 [8.36-9.75]	0.92 [0.64-1.26]	0.76 [0.50-1.12]	0.76 [0.51-1.13]	0.66 [0.44-0.94]	0.55 [0.36-0.85]	0.65 [0.40-0.92]	0.38 [0.25-0.54]	0.39 [0.26-0.54]	0.29 [0.19-0.42]	0.32 [0.19-0.48]	
	Hartlepool	5.85 [5.41-6.34]	0.45 [0.31-0.62]	0.55 [0.39-0.80]	0.56 [0.37-0.85]	0.39 [0.25-0.58]	0.44 [0.29-0.65]	0.43 [0.28-0.61]	0.25 [0.17-0.36]	0.26 [0.18-0.37]	0.18 [0.13-0.26]	0.13 [0.08-0.19]	
	Middlesbrough	6.45 [5.98-6.98]	0.58 [0.42-0.77]	0.59 [0.41-0.84]	0.55 [0.38-0.83]	0.43 [0.28-0.61]	0.48 [0.30-0.69]	0.46 [0.33-0.66]	0.29 [0.20-0.41]	0.29 [0.20-0.41]	0.20 [0.14-0.29]	0.22 [0.14-0.32]	
	Newcastle upon Tyne	6.03 [5.61-6.48]	0.63 [0.46-0.83]	0.52 [0.35-0.85]	0.52 [0.33-0.76]	0.59 [0.36-0.83]	0.51 [0.31-0.81]	0.43 [0.28-0.64]	0.20 [0.13-0.27]	0.18 [0.12-0.26]	0.21 [0.14-0.29]	0.18 [0.11-0.27]	
	North Tyneside	4.25 [3.95-4.59]	0.36 [0.25-0.50]	0.37 [0.26-0.60]	0.39 [0.26-0.56]	0.37 [0.24-0.52]	0.32 [0.20-0.51]	0.29 [0.19-0.43]	0.16 [0.11-0.23]	0.14 [0.09-0.20]	0.13 [0.09-0.19]	0.12 [0.08-0.17]	
	Northumberland	3.76 [3.50-4.04]	0.37 [0.26-0.50]	0.36 [0.25-0.49]	0.31 [0.20-0.45]	0.31 [0.20-0.44]	0.25 [0.16-0.40]	0.26 [0.17-0.37]	0.14 [0.10-0.20]	0.13 [0.09-0.18]	0.11 [0.08-0.16]	0.13 [0.08-0.19]	
	Redcar and Cleveland	3.34 [3.09-3.61]	0.37 [0.26-0.50]	0.29 [0.19-0.44]	0.30 [0.20-0.45]	0.27 [0.17-0.37]	0.24 [0.15-0.37]	0.24 [0.16-0.34]	0.14 [0.09-0.19]	0.14 [0.07-0.16]	0.10 [0.07-0.14]	0.11 [0.07-0.17]	
	South Tyneside	5.63 [5.21-6.12]	0.46 [0.33-0.62]	0.56 [0.40-0.76]	0.47 [0.31-0.68]	0.47 [0.31-0.66]	0.44 [0.29-0.63]	0.38 [0.24-0.54]	0.21 [0.14-0.30]	0.25 [0.17-0.35]	0.19 [0.13-0.27]	0.19 [0.12-0.29]	
	Stockton-on-Tees	11.02 [10.22-11.89]	1.00 [0.72-1.33]	1.04 [0.74-1.49]	1.11 [0.75-1.68]	0.89 [0.59-1.25]	0.85 [0.54-1.24]	0.85 [0.58-1.23]	0.46 [0.32-0.63]	0.43 [0.29-0.62]	0.29 [0.20-0.41]	0.39 [0.25-0.57]	
	Sunderland	9.80 [9.11-10.57]	0.88 [0.64-1.17]	0.83 [0.57-1.24]	0.85 [0.58-1.22]	0.80 [0.52-1.12]	0.72 [0.47-1.11]	0.65 [0.42-0.94]	0.37 [0.26-0.51]	0.36 [0.23-0.50]	0.38 [0.26-0.53]	0.28 [0.18-0.41]	
North West	Blackburn with Darwen	8.78 [8.17-9.45]	0.75 [0.53-1.03]	0.79 [0.53-1.23]	0.86 [0.53-1.30]	0.59 [0.41-0.83]	0.60 [0.37-0.87]	0.56 [0.37-0.81]	0.37 [0.26-0.52]	0.45 [0.31-0.63]	0.26 [0.17-0.37]	0.26 [0.17-0.39]	
	Blackpool	5.79 [5.37-6.26]	0.48 [0.34-0.66]	0.53 [0.37-0.84]	0.49 [0.31-0.71]	0.48 [0.32-0.69]	0.42 [0.24-0.72]	0.38 [0.25-0.57]	0.24 [0.16-0.33]	0.25 [0.17-0.35]	0.19 [0.13-0.28]	0.13 [0.08-0.20]	
	Bolton	6.62 [6.17-7.07]	0.62 [0.44-0.83]	0.62 [0.44-0.90]	0.59 [0.40-0.89]	0.52 [0.36-0.74]	0.47 [0.30-0.68]	0.46 [0.30-0.65]	0.29 [0.20-0.41]	0.28 [0.18-0.39]	0.19 [0.13-0.27]	0.19 [0.12-0.29]	
	Bury	4.93 [4.58-5.30]	0.43 [0.31-0.59]	0.45 [0.32-0.73]	0.43 [0.27-0.62]	0.43 [0.27-0.63]	0.38 [0.23-0.65]	0.34 [0.22-0.49]	0.19 [0.13-0.26]	0.18 [0.12-0.26]	0.15 [0.10-0.21]	0.13 [0.08-0.20]	
	Cheshire East	8.99 [8.40-9.66]	1.02 [0.73-1.35]	0.83 [0.59-1.17]	0.71 [0.46-1.06]	0.74 [0.48-1.06]	0.53 [0.35-0.78]	0.67 [0.43-0.93]	0.31 [0.21-0.43]	0.31 [0.21-0.44]	0.36 [0.25-0.51]	0.31 [0.19-0.46]	
	Cheshire West and Chester	9.47 [8.79-10.15]	0.92 [0.65-1.22]	0.82 [0.57-1.27]	0.81 [0.52-1.15]	0.88 [0.56-1.25]	0.71 [0.44-1.19]	0.74 [0.49-1.07]	0.34 [0.23-0.48]	0.30 [0.20-0.44]	0.27 [0.18-0.37]	0.24 [0.15-0.37]	
	Cumbria	6.12 [5.71-6.54]	0.66 [0.48-0.88]	0.56 [0.41-0.76]	0.54 [0.37-0.78]	0.53 [0.35-0.76]	0.40 [0.26-0.61]	0.39 [0.25-0.56]	0.18 [0.13-0.26]	0.22 [0.15-0.30]	0.18 [0.12-0.25]	0.20 [0.13-0.29]	
	Halton	6.81 [6.32-7.39]	0.46 [0.32-0.62]	0.59 [0.40-0.88]	0.66 [0.44-1.01]	0.52 [0.33-0.76]	0.50 [0.33-0.76]	0.47 [0.31-0.68]	0.32 [0.22-0.46]	0.24 [0.15-0.37]	0.25 [0.18-0.37]	0.25 [0.16-0.39]	
	Knowsley	16.85 [15.65-18.19]	1.60 [1.14-2.16]	1.61 [0.98-2.87]	1.43 [0.86-2.30]	1.80 [1.04-2.61]	1.39 [0.77-2.67]	1.12 [0.74-1.73]	0.61 [0.42-0.90]	0.60 [0.38-0.90]	0.68 [0.45-0.96]	0.43 [0.25-0.71]	
	Lancashire	8.85 [8.21-9.61]	0.83 [0.59-1.11]	0.88 [0.62-1.17]	0.73 [0.49-1.05]	0.64 [0.42-0.89]	0.56 [0.36-0.85]	0.60 [0.39-0.82]	0.35 [0.24-0.48]	0.38 [0.25-0.53]	0.35 [0.24-0.49]	0.27 [0.17-0.38]	
	Liverpool	7.13 [6.64-7.71]	0.69 [0.49-0.94]	0.65 [0.47-0.94]	0.59 [0.40-0.83]	0.51 [0.33-0.75]	0.54 [0.35-0.83]	0.50 [0.31-0.73]	0.34 [0.24-0.48]	0.30 [0.20-0.42]	0.25 [0.18-0.36]	0.21 [0.14-0.31]	
	Manchester	6.74 [6.25-7.27]	0.61 [0.44-0.82]	0.62 [0.44-0.90]	0.54 [0.36-0.78]	0.45 [0.30-0.62]	0.49 [0.28-0.72]	0.44 [0.29-0.62]	0.26 [0.18-0.36]	0.33 [0.22-0.46]	0.23 [0.15-0.32]	0.21 [0.14-0.30]	
	Oldham	21.96 [20.53-23.54]	1.98 [1.38-2.72]	2.27 [1.05-3.37]	1.53 [0.71-2.59]	1.28 [0.70-2.05]	1.16 [0.47-1.92]	1.33 [0.74-2.01]	0.90 [0.53-1.29]	1.19 [0.73-1.72]	1.04 [0.65-1.46]	0.82 [0.35-1.28]	
	Rochdale	8.37 [7.77-8.98]	0.69 [0.50-0.94]	0.79 [0.55-1.14]	0.71 [0.47-0.98]	0.61 [0.41-0.89]	0.66 [0.43-0.97]	0.55 [0.37-0.79]	0.32 [0.22-0.44]	0.39 [0.27-0.54]	0.32 [0.22-0.45]	0.30 [0.19-0.44]	
	Salford	12.36 [11.53-13.24]	1.11 [0.79-1.49]	1.21 [0.87-1.62]	1.03 [0.68-1.49]	1.01 [0.69-1.40]	0.89 [0.60-1.38]	0.79 [0.51-1.14]	0.47 [0.33-0.64]	0.55 [0.37-0.78]	0.41 [0.29-0.58]	0.46 [0.29-0.68]	
	Sefton	4.68 [4.35-5.02]	0.44 [0.31-0.60]	0.45 [0.31-0.69]	0.38 [0.24-0.56]	0.46 [0.29-0.67]	0.36 [0.22-0.62]	0.33 [0.22-0.50]	0.17 [0.11-0.23]	0.17 [0.12-0.25]	0.17 [0.11-0.24]	0.13 [0.09-0.21]	
	St. Helens	5.94 [5.52-6.41]	0.53 [0.38-0.71]	0.56 [0.38-0.83]	0.43 [0.27-0.64]	0.43 [0.23-0.50]	0.41 [0.21-0.65]	0.41 [0.26-0.58]	0.30 [0.20-0.42]	0.26 [0.16-0.36]	0.23 [0.15-0.32]	0.16 [0.10-0.25]	
	Stockport	8.79 [8.18-9.48]	0.82 [0.59-1.09]	0.86 [0.58-1.21]	0.73 [0.46-1.13]	0.73 [0.43-0.97]	0.52 [0.32-0.76]	0.68 [0.42-0.96]	0.33 [0.23-0.46]	0.33 [0.22-0.49]	0.34 [0.24-0.52]	0.33 [0.18-0.50]	
	Tameside	3.85 [3.57-4.12]	0.37 [0.26-0.51]	0.37 [0.25-0.62]	0.36 [0.22-0.52]	0.37 [0.22-0.52]	0.30 [0.17-0.55]	0.25 [0.16-0.37]	0.13 [0.09-0.18]	0.16 [0.11-0.23]	0.13 [0.09-0.18]	0.10 [0.06-0.15]	
	Trafford	3.91 [3.64-4.20]	0.35 [0.25-0.48]	0.33 [0.23-0.65]	0.40 [0.24-0.60]	0.43 [0.25-0.62]	0.36 [0.22-0.62]	0.26 [0.17-0.41]	0.11 [0.07-0.16]	0.13 [0.08-0.18]	0.10 [0.06-0.13]	0.09 [0.06-0.16]	
	Warrington	7.72 [7.15-8.28]	0.63 [0.45-0.86]	0.71 [0.50-1.02]	0.68 [0.45-1.00]	0.62 [0.41-0.88]	0.54 [0.33-0.86]	0.53 [0.34-0.76]	0.38 [0.27-0.53]	0.30 [0.20-0.42]	0.29 [0.20-0.41]	0.17 [0.10-0.27]	
	Wigan	9.14 [8.52-9.76]	0.86 [0.62-1.16]	0.86 [0.61-1.28]	0.77 [0.50-1.20]	0.63 [0.43-0.90]	0.56 [0.35-0.81]	0.63 [0.42-0.88]	0.44 [0.30-0.61]	0.40 [0.27-0.56]	0.30 [0.20-0.42]	0.17 [0.11-0.26]	
	Wirral	9.27 [8.67-9.94]	0.72 [0.51-0.93]	0.88 [0.62-1.27]	0.78 [0.52-1.19]	0.70 [0.48-1.01]	0.68 [0.40-1.00]	0.65 [0.45-0.90]	0.39 [0.27-0.55]	0.37 [0.24-0.53]	0.35 [0.24-0.49]	0.28 [0.18-0.41]	
Yorkshire & Humber	Barnsley	16.23 [15.02-17.54]	1.18 [0.81-1.60]	1.40 [0.95-2.13]	1.54 [1.04-2.32]	1.37 [0.91-1.94]	1.11 [0.72-1.64]	1.22 [0.80-1.74]	0.69 [0.47-0.97]	0.69 [0.46-0.99]	0.72 [0.48-1.00]	0.56 [0.36-0.82]	
	Bradford	8.26 [7.69-8.87]	0.73 [0.52-0.98]	0.77 [0.56-1.06]	0.75 [0.50-1.11]	0.68 [0.44-0.95]	0.66 [0.43-0.96]	0.56 [0.38-0.83]	0.29 [0.20-0.41]	0.33 [0.21-0.47]	0.29 [0.20-0.40]	0.36 [0.21-0.54]	
	Calderdale	9.16 [8.50-9.83]	0.87 [0.63-1.16]	0.76 [0.51-1.19]	0.89 [0.58-1.36]	0.78 [0.51-1.11]	0.71 [0.42-1.07]	0.60 [0.39-0.87]	0.36 [0.25-0.51]	0.34 [0.22-0.48]	0.31 [0.22-0.44]	0.28 [0.17-0.41]	
	Doncaster	7.97 [7.41-8.57]	0.67 [0.49-0.89]	0.74 [0.53-1.03]	0.72 [0.48-1.05]	0.72 [0.48-1.02]	0.64 [0.42-0.95]	0.55 [0.36-0.80]	0.32 [0.22-0.45]	0.33 [0.23-0.45]	0.29 [0.20-0.40]	0.27 [0.17-0.41]	
	East Riding of Yorkshire	14.87 [13.86-15.99]	1.51 [1.08-2.05]	1.45 [1.01-1.92]	1.30 [0.87-1.89]	1.45 [0.92-2.06]	1.10 [0.72-1.62]	1.08 [0.72-1.52]	0.51 [0.35-0.70]	0.52 [0.34-0.73]	0.51 [0.35-0.70]	0.45 [0.28-0.68]	
	Kingston upon Hull	10.36 [9.62-11.15]	0.76 [0.54-1.03]	0.84 [0.58-1.33]	0.93 [0.61-1.39]	0.92 [0.59-1.33]	0.79 [0.52-1.20]	0.73 [0.48-1.09]	0.38 [0.27-0.54]	0.51 [0.35-0.73]	0.46 [0.30-0.65]	0.37 [0.24-0.55]	
	Kirklees	6.65 [6.05-7.32]	0.63 [0.45-0.84]	0.60 [0.41-0.86]	0.70 [0.40-1.06]	0.67 [0.40-0.94]	0.62 [0.40-0.98]	0.44 [0.29-0.66]	0.22 [0.15-0.31]	0.20 [0.14-			

## Females 10 to 14

Mortality rate  
compared to England

Higher than England  
Similar to England  
Lower than England

		All causes	Road injuries	Congenital birth defects	Other malignant neoplasms	Brain and nervous system cancer	Endocrine, metabolic, blood, and immune disorders	Leukemia	Lower respiratory infections	Asthma	Epilepsy	Other neurological disorders	
East Midlands	Derby	6.34 [5.83-6.85]	0.58 [0.42-0.79]	0.57 [0.40-0.81]	0.59 [0.40-0.86]	0.48 [0.32-0.68]	0.47 [0.30-0.69]	0.43 [0.29-0.61]	0.27 [0.18-0.37]	0.24 [0.16-0.34]	0.24 [0.17-0.33]	0.16 [0.11-0.24]	
	Derbyshire	5.86 [5.42-6.31]	0.57 [0.42-0.75]	0.54 [0.39-0.74]	0.52 [0.35-0.74]	0.48 [0.32-0.67]	0.42 [0.27-0.61]	0.42 [0.27-0.58]	0.21 [0.14-0.29]	0.20 [0.13-0.28]	0.21 [0.14-0.29]	0.18 [0.12-0.27]	
	Leicester	9.25 [8.57-9.95]	0.83 [0.60-1.10]	0.83 [0.60-1.18]	0.85 [0.56-1.23]	0.77 [0.52-1.09]	0.79 [0.51-1.15]	0.62 [0.41-0.90]	0.38 [0.25-0.52]	0.32 [0.21-0.46]	0.32 [0.22-0.46]	0.27 [0.17-0.41]	
	Leicestershire	5.20 [4.81-5.59]	0.53 [0.39-0.70]	0.46 [0.33-0.70]	0.56 [0.35-0.84]	0.51 [0.33-0.73]	0.41 [0.26-0.65]	0.40 [0.26-0.58]	0.17 [0.12-0.24]	0.15 [0.11-0.22]	0.13 [0.09-0.19]	0.15 [0.09-0.23]	
	Lincolnshire	10.75 [9.96-11.61]	1.45 [1.07-1.88]	0.93 [0.66-1.35]	0.90 [0.60-1.31]	0.88 [0.58-1.24]	0.73 [0.42-1.07]	0.76 [0.52-1.09]	0.35 [0.24-0.49]	0.38 [0.25-0.53]	0.33 [0.23-0.47]	0.30 [0.20-0.43]	
	Northamptonshire	7.61 [7.06-8.21]	0.89 [0.67-1.16]	0.67 [0.48-0.93]	0.66 [0.44-0.94]	0.63 [0.42-0.88]	0.59 [0.39-0.88]	0.55 [0.37-0.76]	0.27 [0.18-0.38]	0.27 [0.18-0.37]	0.24 [0.17-0.34]	0.22 [0.14-0.32]	
	Nottingham	10.48 [9.65-11.33]	0.98 [0.71-1.31]	0.87 [0.62-1.32]	0.90 [0.56-1.41]	0.77 [0.51-1.08]	0.73 [0.41-1.09]	0.68 [0.46-0.94]	0.37 [0.27-0.52]	0.45 [0.31-0.63]	0.36 [0.24-0.51]	0.29 [0.18-0.44]	
	Nottinghamshire	7.89 [7.32-8.49]	0.89 [0.65-1.15]	0.70 [0.51-0.97]	0.73 [0.48-1.10]	0.65 [0.43-0.92]	0.54 [0.34-0.80]	0.52 [0.34-0.76]	0.27 [0.18-0.38]	0.29 [0.19-0.41]	0.25 [0.17-0.35]	0.25 [0.16-0.36]	
	Rutland	4.64 [4.13-5.21]	0.67 [0.50-0.88]	0.41 [0.29-0.57]	0.38 [0.24-0.56]	0.47 [0.28-0.69]	0.33 [0.21-0.51]	0.28 [0.17-0.41]	0.16 [0.11-0.22]	0.10 [0.06-0.14]	0.12 [0.08-0.17]	0.18 [0.11-0.28]	
West Midlands	Birmingham	6.46 [6.06-6.87]	0.57 [0.41-0.76]	0.58 [0.42-0.81]	0.55 [0.36-0.80]	0.47 [0.31-0.68]	0.53 [0.35-0.76]	0.44 [0.30-0.64]	0.23 [0.16-0.33]	0.25 [0.17-0.34]	0.25 [0.17-0.34]	0.20 [0.13-0.28]	
	Coventry	10.15 [9.30-10.99]	0.79 [0.55-1.06]	0.86 [0.59-1.31]	0.95 [0.61-1.44]	0.87 [0.56-1.28]	0.91 [0.59-1.36]	0.72 [0.48-1.08]	0.34 [0.24-0.48]	0.40 [0.27-0.58]	0.40 [0.26-0.56]	0.33 [0.21-0.51]	
	Dudley	9.61 [8.80-10.45]	0.79 [0.55-1.08]	0.96 [0.68-1.29]	0.84 [0.57-1.25]	0.75 [0.50-1.04]	0.87 [0.50-1.31]	0.71 [0.46-1.00]	0.34 [0.24-0.48]	0.34 [0.22-0.48]	0.36 [0.26-0.51]	0.27 [0.18-0.41]	
	Herefordshire, County of	9.50 [8.72-10.35]	1.21 [0.86-1.61]	0.93 [0.65-1.25]	0.75 [0.49-1.15]	0.75 [0.48-1.12]	0.65 [0.38-0.99]	0.74 [0.46-1.08]	0.29 [0.19-0.40]	0.29 [0.19-0.42]	0.23 [0.16-0.32]	0.29 [0.17-0.42]	
	Sandwell	5.58 [5.21-5.99]	0.44 [0.32-0.61]	0.51 [0.37-0.76]	0.46 [0.30-0.66]	0.45 [0.29-0.65]	0.60 [0.37-0.88]	0.39 [0.27-0.59]	0.18 [0.13-0.26]	0.22 [0.15-0.32]	0.19 [0.13-0.28]	0.15 [0.09-0.23]	
	Shropshire	4.19 [3.84-4.58]	0.53 [0.39-0.70]	0.38 [0.25-0.69]	0.43 [0.26-0.63]	0.46 [0.27-0.65]	0.31 [0.16-0.60]	0.29 [0.19-0.44]	0.13 [0.09-0.18]	0.11 [0.07-0.16]	0.12 [0.08-0.17]	0.12 [0.07-0.20]	
	Solihull	9.12 [8.33-9.94]	1.04 [0.72-1.38]	0.82 [0.45-1.62]	0.93 [0.49-1.39]	1.13 [0.58-1.61]	0.71 [0.35-1.53]	0.68 [0.45-1.06]	0.24 [0.16-0.35]	0.18 [0.11-0.26]	0.22 [0.15-0.32]	0.19 [0.11-0.32]	
	Staffordshire	7.50 [7.06-8.01]	0.70 [0.51-0.95]	0.69 [0.48-0.99]	0.69 [0.45-0.98]	0.62 [0.42-0.88]	0.60 [0.40-0.90]	0.52 [0.35-0.76]	0.25 [0.17-0.35]	0.26 [0.18-0.36]	0.28 [0.19-0.39]	0.24 [0.15-0.36]	
	Stoke-on-Trent	9.08 [8.51-9.73]	0.78 [0.56-1.05]	0.91 [0.64-1.22]	0.90 [0.59-1.33]	0.76 [0.50-1.06]	0.69 [0.46-1.01]	0.57 [0.39-0.85]	0.30 [0.20-0.41]	0.36 [0.24-0.51]	0.31 [0.22-0.44]	0.21 [0.13-0.32]	
	Telford and Wrekin	13.21 [12.04-14.46]	1.14 [0.79-1.53]	1.09 [0.74-2.03]	1.51 [0.82-2.33]	1.42 [0.80-2.09]	1.15 [0.69-1.92]	0.91 [0.56-1.49]	0.42 [0.28-0.62]	0.35 [0.23-0.55]	0.43 [0.29-0.63]	0.43 [0.25-0.70]	
	Walsall	10.24 [9.58-10.99]	0.84 [0.59-1.11]	0.94 [0.65-1.37]	0.92 [0.62-1.38]	0.75 [0.50-1.04]	0.92 [0.51-1.42]	0.71 [0.46-1.03]	0.41 [0.28-0.59]	0.43 [0.29-0.59]	0.41 [0.27-0.57]	0.27 [0.17-0.40]	
	Warwickshire	5.03 [4.70-5.39]	0.47 [0.35-0.63]	0.46 [0.33-0.70]	0.47 [0.31-0.67]	0.49 [0.31-0.67]	0.44 [0.29-0.67]	0.35 [0.24-0.51]	0.18 [0.13-0.26]	0.16 [0.11-0.23]	0.15 [0.11-0.21]	0.14 [0.09-0.23]	
	Wolverhampton	9.91 [9.10-10.78]	0.86 [0.62-1.16]	0.92 [0.66-1.29]	0.87 [0.56-1.29]	0.68 [0.46-0.96]	0.80 [0.41-1.22]	0.68 [0.46-0.98]	0.39 [0.26-0.55]	0.35 [0.23-0.50]	0.42 [0.28-0.59]	0.31 [0.19-0.46]	
	Worcestershire	5.71 [5.35-6.10]	0.57 [0.41-0.75]	0.54 [0.39-0.73]	0.48 [0.32-0.70]	0.48 [0.31-0.67]	0.41 [0.26-0.59]	0.41 [0.27-0.57]	0.21 [0.15-0.29]	0.19 [0.13-0.27]	0.19 [0.13-0.26]	0.19 [0.12-0.28]	
	Greater London	Barking and Dagenham	10.03 [9.34-10.70]	0.79 [0.57-1.06]	0.86 [0.58-1.29]	1.05 [0.67-1.62]	0.84 [0.55-1.19]	0.77 [0.51-1.11]	0.74 [0.49-1.07]	0.47 [0.31-0.66]	0.35 [0.23-0.50]	0.34 [0.23-0.49]	0.26 [0.16-0.40]
		Barnet	7.69 [7.24-8.16]	0.72 [0.52-0.97]	0.66 [0.46-1.04]	0.70 [0.45-0.99]	0.69 [0.44-1.00]	0.59 [0.37-0.98]	0.61 [0.40-0.87]	0.32 [0.22-0.44]	0.19 [0.12-0.28]	0.22 [0.15-0.30]	0.24 [0.15-0.37]
Bexley		13.68 [12.82-14.55]	1.26 [0.86-1.74]	1.20 [0.83-1.76]	1.37 [0.90-2.04]	1.18 [0.77-1.66]	0.99 [0.66-1.48]	1.17 [0.80-1.60]	0.48 [0.32-0.65]	0.50 [0.34-0.71]	0.35 [0.24-0.49]	0.40 [0.25-0.58]	
Brent		6.94 [6.51-7.41]	0.51 [0.36-0.69]	0.51 [0.44-0.90]	0.62 [0.40-0.89]	0.66 [0.44-0.92]	0.51 [0.32-0.81]	0.54 [0.37-0.78]	0.25 [0.17-0.35]	0.24 [0.17-0.35]	0.16 [0.11-0.23]	0.21 [0.13-0.31]	
Bromley		5.09 [4.76-5.42]	0.47 [0.33-0.64]	0.43 [0.29-0.84]	0.52 [0.31-0.75]	0.62 [0.36-0.90]	0.44 [0.26-0.81]	0.41 [0.27-0.64]	0.16 [0.11-0.23]	0.12 [0.08-0.19]	0.16 [0.11-0.23]	0.14 [0.08-0.23]	
Camden		3.67 [3.44-3.93]	0.31 [0.21-0.43]	0.26 [0.18-0.48]	0.34 [0.20-0.50]	0.39 [0.23-0.58]	0.29 [0.17-0.53]	0.26 [0.17-0.40]	0.12 [0.08-0.17]	0.09 [0.06-0.13]	0.10 [0.07-0.14]	0.08 [0.05-0.14]	
Croydon		8.33 [7.83-8.89]	0.72 [0.52-0.98]	0.75 [0.54-1.09]	0.78 [0.52-1.14]	0.75 [0.47-1.06]	0.60 [0.36-1.01]	0.59 [0.40-0.86]	0.33 [0.24-0.46]	0.29 [0.20-0.42]	0.30 [0.20-0.42]	0.25 [0.16-0.37]	
Ealing		11.39 [10.68-12.12]	0.98 [0.68-1.31]	0.96 [0.67-1.65]	0.95 [0.59-1.41]	1.08 [0.66-1.52]	0.96 [0.60-1.56]	0.80 [0.53-1.22]	0.50 [0.35-0.70]	0.35 [0.24-0.50]	0.41 [0.27-0.58]	0.33 [0.21-0.51]	
Enfield		5.02 [4.69-5.38]	0.41 [0.30-0.56]	0.42 [0.29-0.66]	0.46 [0.30-0.66]	0.49 [0.31-0.69]	0.43 [0.28-0.63]	0.39 [0.27-0.56]	0.20 [0.14-0.29]	0.15 [0.10-0.21]	0.18 [0.12-0.25]	0.15 [0.10-0.22]	
Greenwich		3.86 [3.61-4.11]	0.33 [0.23-0.44]	0.32 [0.22-0.61]	0.39 [0.23-0.58]	0.40 [0.24-0.58]	0.31 [0.17-0.56]	0.27 [0.17-0.43]	0.13 [0.09-0.19]	0.12 [0.08-0.17]	0.10 [0.07-0.14]	0.11 [0.07-0.19]	
Hackney		14.75 [13.86-15.69]	1.10 [0.78-1.46]	1.08 [0.70-1.82]	1.30 [0.79-1.96]	1.20 [0.79-1.72]	1.09 [0.57-1.67]	1.09 [0.73-1.52]	0.55 [0.37-0.76]	0.56 [0.37-0.78]	0.52 [0.37-0.72]	0.36 [0.23-0.55]	
Hammersmith and Fulham		5.90 [5.50-6.31]	0.51 [0.36-0.69]	0.46 [0.32-0.77]	0.53 [0.33-0.76]	0.53 [0.33-0.78]	0.49 [0.31-0.78]	0.36 [0.24-0.55]	0.20 [0.14-0.29]	0.19 [0.13-0.28]	0.14 [0.09-0.20]	0.14 [0.09-0.23]	
Haringey		18.19 [17.07-19.46]	1.59 [1.12-2.15]	1.41 [0.96-2.21]	1.57 [1.08-2.39]	1.38 [0.92-1.95]	1.28 [0.84-1.83]	1.26 [0.86-1.85]	0.73 [0.51-1.01]	0.59 [0.41-0.83]	0.53 [0.37-0.78]	0.60 [0.37-0.91]	
Harrow		5.07 [4.73-5.43]	0.41 [0.29-0.57]	0.48 [0.34-0.66]	0.46 [0.31-0.67]	0.47 [0.30-0.67]	0.37 [0.23-0.59]	0.45 [0.30-0.63]	0.17 [0.12-0.24]	0.15 [0.10-0.21]	0.14 [0.09-0.20]	0.19 [0.12-0.29]	
Havering		9.62 [8.99-10.30]	0.90 [0.63-1.21]	0.83 [0.50-1.77]	0.99 [0.51-1.55]	0.99 [0.65-1.86]	0.85 [0.48-1.68]	0.72 [0.45-1.18]	0.34 [0.23-0.51]	0.18 [0.11-0.28]	0.24 [0.17-0.36]	0.21 [0.12-0.38]	
Hillingdon		10.80 [10.13-11.49]	0.92 [0.65-1.23]	0.97 [0.69-1.35]	1.03 [0.68-1.53]	0.77 [0.66-1.49]	0.83 [0.49-1.12]	0.83 [0.56-1.14]	0.46 [0.32-0.63]	0.36 [0.24-0.51]	0.33 [0.23-0.47]	0.32 [0.21-0.47]	
Hounslow		6.60 [6.16-7.07]	0.63 [0.46-0.83]	0.57 [0.41-0.83]	0.58 [0.37-0.84]	0.59 [0.38-0.85]	0.58 [0.38-0.85]	0.46 [0.31-0.71]	0.24 [0.17-0.34]	0.24 [0.17-0.34]	0.17 [0.11-0.25]	0.18 [0.12-0.28]	
Islington		16.72 [15.72-17.88]	1.33 [0.93-1.81]	1.23 [0.83-1.95]	1.44 [0.94-2.21]	1.28 [0.85-1.84]	1.18 [0.79-1.76]	1.27 [0.83-1.85]	0.70 [0.47-0.98]	0.55 [0.37-0.78]	0.53 [0.36-0.73]	0.34 [0.21-0.54]	
Kensington and Chelsea		5.29 [4.92-5.69]	0.50 [0.35-0.68]	0.39 [0.25-0.81]	0.52 [0.29-0.80]	0.60 [0.33-0.87]	0.44 [0.25-0.87]	0.36 [0.23-0					

		All causes	Road injuries	Congenital birth defects	Other malignant neoplasms	Brain and nervous system cancer	Endocrine, metabolic, blood, and immune disorders	Leukemia	Lower respiratory infections	Asthma	Epilepsy	Other neurological disorders
East of England	Bedford	5.65 [5.15-6.17]	0.55 [0.40-0.76]	0.51 [0.35-0.81]	0.53 [0.34-0.79]	0.56 [0.36-0.79]	0.44 [0.27-0.74]	0.36 [0.24-0.56]	0.16 [0.11-0.23]	0.15 [0.10-0.22]	0.21 [0.14-0.30]	0.21 [0.13-0.31]
	Cambridgeshire	3.63 [3.35-3.91]	0.44 [0.32-0.57]	0.30 [0.21-0.46]	0.34 [0.23-0.49]	0.36 [0.22-0.51]	0.30 [0.19-0.45]	0.25 [0.16-0.38]	0.11 [0.08-0.15]	0.09 [0.06-0.13]	0.11 [0.07-0.15]	0.12 [0.08-0.18]
	Central Bedfordshire	4.26 [3.90-4.62]	0.44 [0.32-0.60]	0.36 [0.25-0.53]	0.39 [0.26-0.58]	0.39 [0.25-0.56]	0.31 [0.20-0.46]	0.29 [0.20-0.42]	0.14 [0.10-0.20]	0.14 [0.10-0.20]	0.17 [0.11-0.24]	0.14 [0.08-0.20]
	Essex	5.99 [5.60-6.43]	0.52 [0.37-0.69]	0.54 [0.39-0.77]	0.53 [0.36-0.77]	0.57 [0.37-0.82]	0.48 [0.32-0.70]	0.44 [0.29-0.63]	0.20 [0.14-0.29]	0.20 [0.13-0.28]	0.23 [0.16-0.32]	0.20 [0.13-0.29]
	Hertfordshire	4.08 [3.81-4.39]	0.39 [0.27-0.53]	0.36 [0.25-0.57]	0.36 [0.24-0.51]	0.42 [0.26-0.59]	0.30 [0.17-0.53]	0.29 [0.19-0.41]	0.16 [0.11-0.22]	0.13 [0.09-0.18]	0.13 [0.09-0.18]	0.14 [0.09-0.21]
	Luton	6.12 [5.59-6.61]	0.44 [0.32-0.59]	0.53 [0.37-0.75]	0.48 [0.30-0.70]	0.46 [0.31-0.65]	0.56 [0.34-0.82]	0.41 [0.27-0.60]	0.24 [0.17-0.34]	0.23 [0.16-0.33]	0.30 [0.20-0.41]	0.21 [0.13-0.31]
	Norfolk	5.24 [4.86-5.64]	0.64 [0.46-0.85]	0.49 [0.34-0.67]	0.44 [0.29-0.65]	0.45 [0.29-0.65]	0.34 [0.21-0.50]	0.36 [0.24-0.51]	0.16 [0.11-0.22]	0.16 [0.10-0.23]	0.18 [0.12-0.25]	0.17 [0.11-0.26]
	Peterborough	13.10 [12.00-14.15]	1.39 [1.00-1.88]	1.12 [0.78-1.64]	1.04 [0.69-1.60]	0.95 [0.66-1.36]	1.00 [0.50-1.55]	0.88 [0.58-1.23]	0.54 [0.37-0.76]	0.48 [0.31-0.67]	0.51 [0.35-0.72]	0.49 [0.28-0.73]
	Southend-on-Sea	5.48 [5.02-5.95]	0.42 [0.30-0.56]	0.51 [0.36-0.73]	0.53 [0.35-0.77]	0.50 [0.33-0.71]	0.45 [0.30-0.65]	0.37 [0.25-0.55]	0.22 [0.15-0.31]	0.22 [0.13-0.25]	0.21 [0.14-0.29]	0.12 [0.08-0.19]
	Suffolk	4.28 [3.97-4.62]	0.46 [0.33-0.62]	0.40 [0.28-0.54]	0.38 [0.26-0.56]	0.32 [0.26-0.56]	0.32 [0.21-0.49]	0.32 [0.21-0.44]	0.14 [0.10-0.20]	0.11 [0.08-0.16]	0.12 [0.08-0.17]	0.15 [0.10-0.22]
	Thurrock	4.94 [4.50-5.36]	0.41 [0.29-0.55]	0.43 [0.28-0.66]	0.38 [0.24-0.58]	0.37 [0.24-0.56]	0.40 [0.18-0.64]	0.37 [0.23-0.53]	0.21 [0.14-0.30]	0.23 [0.15-0.32]	0.23 [0.15-0.34]	0.14 [0.08-0.22]
	Bath and North East Somerset	3.48 [3.22-3.74]	0.39 [0.27-0.53]	0.30 [0.21-0.47]	0.32 [0.21-0.46]	0.36 [0.21-0.50]	0.24 [0.14-0.44]	0.26 [0.17-0.37]	0.11 [0.07-0.16]	0.07 [0.05-0.10]	0.12 [0.08-0.17]	0.15 [0.09-0.22]
	Bournemouth	6.40 [5.92-6.90]	0.50 [0.35-0.67]	0.57 [0.40-0.76]	0.61 [0.42-0.92]	0.52 [0.33-0.74]	0.51 [0.31-0.75]	0.43 [0.29-0.62]	0.23 [0.16-0.33]	0.18 [0.11-0.25]	0.22 [0.15-0.32]	0.21 [0.13-0.31]
	Bristol, City of	5.65 [5.28-6.02]	0.49 [0.35-0.65]	0.50 [0.35-0.69]	0.51 [0.35-0.74]	0.51 [0.35-0.73]	0.41 [0.27-0.60]	0.43 [0.29-0.59]	0.20 [0.14-0.28]	0.18 [0.12-0.25]	0.17 [0.12-0.23]	0.19 [0.12-0.28]
South West	Cornwall	4.59 [4.16-5.03]	0.42 [0.30-0.58]	0.40 [0.28-0.57]	0.42 [0.30-0.63]	0.42 [0.28-0.58]	0.34 [0.22-0.50]	0.34 [0.23-0.47]	0.14 [0.09-0.19]	0.13 [0.09-0.19]	0.16 [0.11-0.22]	0.15 [0.10-0.22]
	Devon	7.10 [6.49-7.90]	0.63 [0.46-0.86]	0.68 [0.49-0.93]	0.66 [0.44-0.98]	0.65 [0.42-0.94]	0.49 [0.31-0.73]	0.57 [0.38-0.80]	0.23 [0.16-0.31]	0.20 [0.13-0.29]	0.25 [0.17-0.35]	0.21 [0.13-0.31]
	Dorset	6.29 [5.85-6.73]	0.72 [0.51-0.95]	0.54 [0.37-0.79]	0.56 [0.37-0.85]	0.60 [0.38-0.86]	0.41 [0.26-0.61]	0.50 [0.33-0.70]	0.18 [0.13-0.25]	0.17 [0.11-0.24]	0.19 [0.13-0.26]	0.19 [0.12-0.28]
	Gloucestershire	7.43 [6.94-7.89]	0.81 [0.59-1.04]	0.66 [0.47-0.96]	0.63 [0.42-0.89]	0.74 [0.47-1.06]	0.55 [0.34-0.85]	0.53 [0.36-0.75]	0.25 [0.17-0.34]	0.21 [0.14-0.30]	0.24 [0.16-0.33]	0.23 [0.15-0.35]
	North Somerset	9.32 [8.66-10.05]	0.88 [0.65-1.16]	0.86 [0.58-1.59]	0.89 [0.55-1.30]	1.12 [0.64-1.62]	0.72 [0.39-1.41]	0.71 [0.47-1.09]	0.25 [0.17-0.35]	0.22 [0.14-0.33]	0.23 [0.20-0.47]	0.28 [0.17-0.45]
	Plymouth	9.07 [8.44-9.68]	0.71 [0.49-0.98]	0.79 [0.55-1.14]	0.88 [0.59-1.30]	0.77 [0.51-1.11]	0.82 [0.46-1.29]	0.63 [0.42-0.92]	0.33 [0.23-0.47]	0.31 [0.21-0.43]	0.30 [0.20-0.43]	0.33 [0.20-0.51]
	Poole	10.35 [9.59-11.14]	1.08 [0.76-1.49]	0.86 [0.59-1.36]	0.89 [0.55-1.24]	1.02 [0.64-1.44]	0.77 [0.47-1.23]	0.76 [0.50-1.07]	0.35 [0.24-0.48]	0.25 [0.17-0.36]	0.34 [0.23-0.49]	0.32 [0.20-0.47]
	Somerset	11.07 [10.38-11.76]	1.25 [0.92-1.61]	0.99 [0.70-1.38]	1.03 [0.69-1.53]	1.03 [0.67-1.48]	0.80 [0.50-1.18]	0.80 [0.53-1.13]	0.38 [0.27-0.52]	0.38 [0.18-0.39]	0.41 [0.24-0.50]	0.28 [0.25-0.62]
	South Gloucestershire	7.50 [6.96-8.04]	0.67 [0.49-0.90]	0.73 [0.53-1.00]	0.71 [0.47-1.05]	0.77 [0.48-1.09]	0.48 [0.32-0.69]	0.56 [0.37-0.79]	0.26 [0.17-0.37]	0.21 [0.14-0.29]	0.25 [0.18-0.35]	0.30 [0.17-0.45]
	Swindon	7.58 [7.04-8.14]	0.78 [0.56-1.04]	0.67 [0.45-1.17]	0.72 [0.44-1.06]	0.84 [0.51-1.17]	0.60 [0.34-1.07]	0.53 [0.35-0.83]	0.30 [0.20-0.42]	0.22 [0.12-0.27]	0.21 [0.14-0.31]	0.22 [0.13-0.34]
	Torbay	6.52 [6.03-7.07]	0.41 [0.29-0.56]	0.57 [0.39-0.85]	0.58 [0.37-0.88]	0.59 [0.38-0.86]	0.49 [0.28-0.73]	0.50 [0.33-0.73]	0.20 [0.13-0.28]	0.20 [0.12-0.27]	0.24 [0.21-0.45]	0.24 [0.14-0.36]
	Wiltshire	3.69 [3.45-3.94]	0.41 [0.30-0.54]	0.31 [0.22-0.46]	0.33 [0.22-0.47]	0.35 [0.22-0.48]	0.27 [0.18-0.40]	0.26 [0.18-0.37]	0.13 [0.09-0.18]	0.10 [0.07-0.14]	0.12 [0.08-0.17]	0.12 [0.08-0.17]
South East	Bracknell Forest	4.71 [4.25-5.21]	0.41 [0.29-0.55]	0.38 [0.26-0.63]	0.50 [0.31-0.75]	0.44 [0.27-0.64]	0.43 [0.28-0.65]	0.32 [0.21-0.50]	0.19 [0.13-0.26]	0.11 [0.07-0.17]	0.15 [0.10-0.21]	0.14 [0.09-0.22]
	Brighton and Hove	8.72 [7.94-9.60]	0.72 [0.52-0.98]	0.76 [0.53-1.10]	0.80 [0.51-1.21]	0.69 [0.47-1.00]	0.69 [0.38-1.03]	0.62 [0.42-0.88]	0.29 [0.20-0.41]	0.29 [0.19-0.41]	0.26 [0.17-0.37]	0.24 [0.15-0.36]
	Buckinghamshire	4.64 [4.22-5.05]	0.43 [0.31-0.58]	0.40 [0.27-0.64]	0.48 [0.30-0.73]	0.50 [0.31-0.72]	0.37 [0.23-0.61]	0.32 [0.21-0.50]	0.16 [0.11-0.23]	0.12 [0.08-0.18]	0.20 [0.13-0.28]	0.12 [0.08-0.20]
	East Sussex	6.04 [5.54-6.57]	0.57 [0.40-0.77]	0.54 [0.39-0.77]	0.59 [0.40-0.88]	0.60 [0.39-0.88]	0.40 [0.26-0.64]	0.45 [0.29-0.65]	0.20 [0.14-0.27]	0.16 [0.11-0.23]	0.23 [0.16-0.33]	0.20 [0.12-0.29]
	Hampshire	4.36 [4.09-4.62]	0.42 [0.30-0.56]	0.39 [0.28-0.54]	0.40 [0.27-0.59]	0.43 [0.28-0.61]	0.32 [0.21-0.49]	0.32 [0.22-0.44]	0.14 [0.10-0.20]	0.14 [0.09-0.19]	0.14 [0.10-0.19]	0.14 [0.09-0.21]
	Isle of Wight	2.90 [2.61-3.21]	0.29 [0.20-0.39]	0.25 [0.15-0.53]	0.29 [0.15-0.44]	0.34 [0.18-0.51]	0.26 [0.15-0.50]	0.21 [0.13-0.32]	0.08 [0.05-0.12]	0.06 [0.04-0.09]	0.08 [0.05-0.12]	0.08 [0.05-0.14]
	Kent	4.89 [4.59-5.18]	0.53 [0.38-0.70]	0.43 [0.30-0.69]	0.45 [0.29-0.62]	0.47 [0.30-0.66]	0.36 [0.22-0.63]	0.36 [0.24-0.52]	0.17 [0.12-0.24]	0.14 [0.10-0.20]	0.15 [0.10-0.21]	0.14 [0.09-0.20]
	Medway	9.89 [9.01-10.82]	0.75 [0.53-1.01]	0.87 [0.61-1.29]	0.97 [0.65-1.43]	0.91 [0.60-1.33]	0.79 [0.54-1.19]	0.73 [0.48-1.10]	0.32 [0.22-0.44]	0.33 [0.22-0.49]	0.35 [0.25-0.50]	0.36 [0.22-0.53]
	Milton Keynes	6.08 [5.53-6.64]	0.62 [0.45-0.82]	0.48 [0.33-0.77]	0.54 [0.35-0.79]	0.56 [0.36-0.81]	0.50 [0.32-0.75]	0.45 [0.30-0.67]	0.26 [0.18-0.37]	0.23 [0.16-0.34]	0.21 [0.14-0.31]	0.17 [0.11-0.26]
	Oxfordshire	4.93 [4.50-5.41]	0.51 [0.37-0.67]	0.41 [0.29-0.59]	0.46 [0.30-0.69]	0.48 [0.30-0.68]	0.38 [0.24-0.56]	0.37 [0.24-0.52]	0.17 [0.12-0.23]	0.14 [0.10-0.20]	0.16 [0.11-0.23]	0.18 [0.12-0.26]
	Portsmouth	5.95 [5.41-6.52]	0.46 [0.33-0.63]	0.48 [0.32-0.80]	0.54 [0.34-0.80]	0.60 [0.37-0.84]	0.55 [0.37-0.82]	0.42 [0.28-0.63]	0.22 [0.14-0.31]	0.21 [0.13-0.30]	0.19 [0.13-0.26]	0.17 [0.10-0.25]
	Reading	5.44 [4.92-6.03]	0.46 [0.32-0.62]	0.46 [0.32-0.74]	0.52 [0.33-0.77]	0.50 [0.31-0.74]	0.43 [0.27-0.70]	0.37 [0.25-0.58]	0.22 [0.15-0.32]	0.15 [0.10-0.22]	0.22 [0.15-0.31]	0.14 [0.09-0.22]
	Slough	6.57 [5.92-7.21]	0.47 [0.33-0.65]	0.52 [0.36-0.91]	0.61 [0.37-0.90]	0.63 [0.40-0.92]	0.47 [0.40-0.96]	0.31 [0.30-0.74]	0.22 [0.21-0.45]	0.22 [0.15-0.32]	0.22 [0.15-0.32]	0.12 [0.07-0.21]
	Southampton	6.80 [6.19-7.39]	0.53 [0.37-0.71]	0.57 [0.39-0.86]	0.66 [0.44-0.99]	0.57 [0.36-0.80]	0.58 [0.39-0.84]	0.50 [0.34-0.74]	0.24 [0.17-0.34]	0.23 [0.16-0.33]	0.20 [0.14-0.29]	0.24 [0.15-0.36]
West Midlands	Surrey	5.97 [5.62-6.34]	0.56 [0.41-0.74]	0.55 [0.39-0.78]	0.56 [0.38-0.78]	0.61 [0.38-0.85]	0.43 [0.27-0.71]	0.45 [0.30-0.62]	0.22 [0.15-0.31]	0.17 [0.11-0.23]	0.22 [0.15-0.32]	0.21 [0.14-0.32]
	West Berkshire	5.31 [4.81-5.83]	0.49 [0.36-0.66]	0.41 [0.28-0.63]	0.49 [0.32-0.71]	0.56 [0.36-0.82]	0.44 [0.29-0.65]	0.36 [0.24-0.53]	0.16 [0.11-0.22]	0.16 [0.11-0.23]	0.13 [0.09-0.19]	0.16 [0.10-0.24]
	West Sussex	8.38 [7.87-8.89]	0.88 [0.63-1.15]	0.75 [0.53-1.09]	0.75 [0.50-1.11]	0.82 [0.51-1.18]	0.54 [0.35-0.78]	0.64 [0.40-0.90]	0.28 [0.20-0.39]	0.24 [0.16-0.33]	0.24 [0.17-0.34]	0.31 [0.19-0.47]
	Windsor and Maidenhead	5.87 [5.28-6.46]	0.49 [0.35-0.67]	0.52 [0.36-0.83]	0.58 [0.37-0.85]	0.63 [0.40-0.91]	0.49 [0.30-0.83]	0.39 [0.26-0.61]	0.26 [0.18-0.38]	0.13 [0.08-0.18]	0.16 [0.11-0.23]	0.21 [0.14-0.33]
	Wokingham	5.17 [4.66-5.70]	0.47 [0.33-0.63]	0.45 [0.32-0.72]	0.52 [0.33-0.76]	0.56 [0.33-0.81]	0.45 [0.28-0.71]	0.40 [0.27-0.62]	0.20 [0.13-0.29]	0.12 [0.08-0.18]	0.10 [0.07-0.15]	0.19 [0.12-0.29]



Table S10 Mortality rate per 100,000 with uncertainty intervals in 15-19 year old males for 150 upper tier local authorities compared with England for all-causes and top 10 causes of death in 2017

Males 15 to 19

Males 15 to 19		Mortality rate compared to England											
		All causes	Road injuries	Self-harm	Drug use disorders	Other neurological disorders	Other malignant neoplasms	Leukemia	Congenital birth defects	Epilepsy	Brain and nervous system cancer	Drowning	
		Higher than England	Similar to England	Lower than England	Higher than England	Similar to England	Lower than England	Higher than England	Similar to England	Lower than England	Higher than England	Similar to England	Lower than England
North East	County Durham	27.75 [24.86-30.64]	6.93 [5.12-9.22]	5.44 [4.12-7.02]	1.81 [1.18-2.58]	1.36 [0.92-1.90]	1.01 [0.68-1.53]	0.91 [0.62-1.28]	0.96 [0.65-1.33]	0.73 [0.53-0.99]	0.60 [0.38-0.86]	0.56 [0.38-0.79]	
	Darlington	58.24 [52.13-65.51]	12.26 [8.26-16.46]	12.08 [9.07-15.64]	4.04 [2.59-5.99]	3.26 [2.20-4.73]	2.23 [1.45-3.37]	2.13 [1.44-3.00]	1.97 [1.31-2.74]	2.08 [1.32-2.92]	1.23 [0.80-1.80]	1.07 [0.73-1.49]	
	Gateshead	45.98 [41.32-51.02]	9.43 [6.83-12.62]	7.83 [5.77-10.16]	4.73 [3.05-6.51]	2.00 [1.39-2.81]	2.08 [1.33-3.15]	1.57 [1.07-2.25]	1.57 [1.12-2.22]	1.19 [0.87-1.63]	1.11 [0.74-1.61]	1.22 [0.85-1.69]	
	Hartlepool	30.33 [26.98-34.11]	7.33 [5.41-9.58]	4.92 [3.61-6.56]	3.08 [2.02-4.43]	1.18 [0.80-1.73]	1.31 [0.81-1.94]	0.98 [0.67-1.43]	0.87 [0.58-1.45]	0.93 [0.62-1.30]	0.64 [0.40-0.99]	0.64 [0.43-0.88]	
	Middlesbrough	18.40 [16.49-20.52]	3.90 [2.79-5.38]	3.69 [2.79-4.75]	1.65 [1.05-2.38]	0.75 [0.50-1.06]	0.75 [0.49-1.14]	0.64 [0.44-0.90]	0.61 [0.43-0.87]	0.52 [0.36-0.71]	0.35 [0.22-0.53]	0.39 [0.27-0.54]	
	Newcastle upon Tyne	24.27 [22.02-26.76]	5.57 [4.21-7.10]	4.17 [3.11-5.37]	2.30 [1.54-3.31]	1.01 [0.69-1.50]	1.13 [0.67-1.72]	0.77 [0.52-1.16]	0.72 [0.50-1.13]	0.74 [0.48-1.02]	0.55 [0.33-0.86]	0.67 [0.46-0.95]	
	North Tyneside	42.22 [37.91-46.63]	7.76 [5.59-10.36]	9.03 [6.82-11.57]	3.23 [2.08-4.61]	1.83 [1.27-2.55]	2.05 [1.29-3.14]	1.53 [1.06-2.11]	1.46 [1.03-2.09]	1.21 [0.83-1.64]	0.94 [0.62-1.36]	1.06 [0.73-1.50]	
	Northumberland	39.64 [35.92-44.04]	8.84 [6.65-11.28]	7.58 [5.80-9.81]	2.72 [1.77-3.97]	1.81 [1.28-2.54]	1.58 [1.03-2.31]	1.39 [0.94-2.01]	1.48 [1.00-2.02]	1.08 [0.73-1.50]	1.05 [0.65-1.57]	0.89 [0.62-1.26]	
	Redcar and Cleveland	39.87 [35.72-44.80]	9.86 [7.33-12.66]	8.01 [6.00-10.31]	2.22 [1.44-3.31]	1.33 [0.92-1.86]	1.57 [1.00-2.33]	1.44 [0.96-2.04]	1.41 [0.96-1.94]	1.01 [0.70-1.39]	0.96 [0.60-1.45]	0.59 [0.40-0.84]	
	South Tyneside	23.64 [21.15-26.23]	4.91 [3.55-6.67]	3.93 [2.98-5.16]	2.20 [1.42-3.18]	0.60 [0.40-0.88]	1.19 [0.71-1.82]	0.82 [0.52-1.15]	0.92 [0.61-1.27]	0.78 [0.53-1.06]	0.54 [0.35-0.78]	0.62 [0.43-0.88]	
	Stockton-on-Tees	42.83 [38.19-47.94]	10.72 [7.95-13.66]	7.67 [5.79-10.06]	2.79 [1.78-4.14]	2.14 [1.46-3.09]	2.25 [1.32-3.30]	1.58 [1.05-2.30]	1.37 [0.95-2.26]	0.97 [0.69-1.35]	1.11 [0.68-1.67]	1.04 [0.72-1.47]	
	Sunderland	27.56 [24.81-30.63]	6.72 [5.07-8.60]	4.65 [3.44-6.11]	1.89 [1.20-2.82]	1.37 [0.96-1.95]	1.21 [0.76-1.75]	0.90 [0.61-1.31]	0.88 [0.62-1.31]	0.78 [0.54-1.09]	0.60 [0.38-0.95]	0.59 [0.40-0.84]	
North West	Blackburn with Darwen	18.77 [16.88-20.81]	3.82 [2.69-5.25]	3.79 [2.79-4.87]	1.95 [1.28-2.84]	0.98 [0.65-1.43]	0.65 [0.42-0.95]	0.56 [0.37-0.85]	0.56 [0.39-0.84]	0.50 [0.34-0.69]	0.43 [0.27-0.64]	0.38 [0.26-0.53]	
	Blackpool	39.12 [35.36-43.21]	6.52 [4.70-8.98]	7.74 [5.73-10.13]	5.82 [4.10-7.95]	1.35 [0.92-1.87]	1.22 [0.81-1.82]	1.24 [0.85-1.76]	1.07 [0.74-1.62]	1.03 [0.70-1.44]	0.66 [0.43-0.97]	1.03 [0.71-1.48]	
	Bolton	31.76 [28.76-34.86]	7.19 [5.37-9.17]	6.00 [4.50-7.75]	2.78 [1.81-4.07]	1.37 [0.91-1.98]	1.24 [0.79-1.83]	1.09 [0.76-1.54]	1.03 [0.72-1.49]	0.79 [0.56-1.10]	0.69 [0.44-1.05]	0.58 [0.40-0.78]	
	Bury	35.87 [32.57-39.65]	7.62 [5.58-10.19]	6.88 [5.19-8.96]	2.78 [1.81-4.15]	1.45 [1.02-2.03]	1.42 [0.92-2.07]	1.23 [0.85-1.73]	1.30 [0.90-1.81]	0.93 [0.67-1.28]	0.82 [0.54-1.17]	1.02 [0.71-1.43]	
	Cheshire East	26.83 [24.33-29.58]	7.21 [5.59-9.15]	5.14 [3.85-6.52]	1.31 [0.84-1.94]	0.98 [0.66-1.41]	0.96 [0.63-1.38]	0.89 [0.61-1.26]	0.86 [0.60-1.23]	0.93 [0.61-1.27]	0.68 [0.44-0.98]	0.75 [0.51-1.04]	
	Cheshire West and Chester	37.90 [34.53-41.66]	10.21 [7.79-12.67]	6.81 [5.03-8.73]	2.34 [1.52-3.51]	1.38 [0.97-1.91]	1.46 [0.97-2.14]	1.34 [0.92-1.92]	1.28 [0.91-1.83]	0.77 [0.56-1.06]	0.96 [0.60-1.42]	1.00 [0.68-1.42]	
	Cumbria	36.00 [32.74-39.73]	9.43 [7.29-11.89]	6.86 [5.14-8.75]	2.37 [1.53-3.43]	1.55 [1.09-2.15]	1.41 [0.91-2.04]	1.09 [0.76-1.55]	1.13 [0.76-1.55]	0.86 [0.60-1.17]	0.81 [0.51-1.18]	1.11 [0.78-1.55]	
	Halton	28.19 [25.05-31.41]	6.83 [5.15-8.74]	4.85 [3.59-6.42]	2.17 [1.40-3.17]	1.25 [0.85-1.81]	1.02 [0.64-1.57]	1.05 [0.73-1.49]	0.91 [0.61-1.43]	0.64 [0.45-0.89]	0.69 [0.42-1.07]	0.68 [0.46-0.95]	
	Knowsley	36.48 [32.96-40.55]	8.57 [6.17-11.13]	6.01 [4.41-7.80]	2.43 [1.54-3.58]	1.31 [0.92-1.84]	1.36 [0.92-1.94]	1.27 [0.86-1.86]	1.36 [0.95-1.87]	1.11 [0.77-1.50]	0.83 [0.54-1.24]	0.65 [0.44-0.90]	
	Lancashire	34.85 [31.55-38.47]	7.97 [6.11-10.13]	7.33 [5.61-9.38]	2.37 [1.46-3.41]	1.23 [0.86-1.71]	1.15 [0.77-1.64]	1.06 [0.72-1.50]	1.18 [0.82-1.64]	1.06 [0.73-1.41]	0.82 [0.55-1.18]	0.87 [0.61-1.18]	
	Liverpool	35.53 [32.46-39.09]	7.51 [5.50-9.66]	6.03 [4.51-7.90]	3.38 [2.24-4.96]	1.52 [1.09-2.18]	1.31 [0.89-1.92]	1.19 [0.79-1.67]	1.19 [0.82-1.66]	1.16 [0.77-1.60]	0.69 [0.44-1.06]	0.80 [0.57-1.11]	
	Manchester	28.61 [25.90-31.34]	6.64 [5.09-8.57]	5.40 [4.10-6.87]	2.53 [1.70-3.60]	0.94 [0.66-1.35]	0.91 [0.57-1.39]	0.88 [0.59-1.27]	0.88 [0.62-1.37]	0.86 [0.58-1.20]	0.56 [0.31-0.99]	0.69 [0.47-0.98]	
	Oldham	31.47 [28.33-34.93]	7.07 [5.19-9.31]	5.68 [4.27-7.45]	2.93 [1.88-4.16]	1.54 [1.05-2.16]	1.15 [0.74-1.69]	0.92 [0.64-1.31]	1.07 [0.74-1.53]	0.83 [0.58-1.18]	0.66 [0.41-0.98]	0.60 [0.41-0.83]	
	Rochdale	41.37 [37.59-45.71]	8.54 [6.24-11.23]	7.81 [5.67-10.36]	4.17 [2.81-5.94]	2.00 [1.38-2.85]	1.52 [0.98-2.20]	1.35 [0.92-1.90]	1.35 [0.93-1.96]	1.16 [0.78-1.62]	0.86 [0.55-1.25]	0.97 [0.67-1.35]	
	Salford	41.33 [37.43-45.60]	9.20 [6.76-11.89]	7.85 [5.89-10.07]	3.48 [2.21-5.01]	1.67 [1.16-2.36]	1.47 [1.01-2.15]	1.38 [0.91-1.98]	1.48 [1.01-2.04]	1.15 [0.79-1.55]	0.79 [0.50-1.17]	0.88 [0.61-1.24]	
	Sefton	44.18 [40.13-48.66]	8.65 [6.31-11.13]	7.99 [6.04-10.39]	3.84 [2.47-5.49]	1.90 [1.30-2.60]	1.77 [1.14-2.62]	1.55 [1.05-2.14]	1.51 [1.07-2.12]	2.00 [1.08-2.76]	1.00 [0.65-1.48]	1.03 [0.72-1.44]	
	St. Helens	49.67 [44.78-54.84]	10.38 [7.54-13.54]	9.44 [7.09-12.33]	5.49 [3.59-6.66]	3.79 [2.53-5.12]	1.67 [1.05-2.39]	1.88 [1.27-2.74]	1.81 [1.25-2.57]	1.30 [0.92-1.80]	1.14 [0.76-1.69]	0.97 [0.67-1.34]	
	Stockport	32.56 [29.47-35.85]	8.18 [6.03-10.52]	5.88 [4.42-7.73]	2.24 [1.44-3.18]	1.29 [0.90-1.83]	1.21 [0.79-1.79]	1.07 [0.72-1.53]	1.07 [0.74-1.64]	0.97 [0.64-1.34]	0.83 [0.54-1.21]	0.73 [0.52-1.00]	
	Tameside	19.31 [17.29-21.33]	4.37 [3.16-6.01]	3.62 [2.68-4.59]	1.82 [1.15-2.59]	0.63 [0.43-0.89]	0.72 [0.48-1.04]	0.61 [0.42-0.86]	0.66 [0.44-0.94]	0.49 [0.34-0.66]	0.38 [0.23-0.56]	0.44 [0.30-0.61]	
	Trafford	19.82 [17.95-21.90]	4.80 [3.53-6.34]	3.63 [2.65-4.75]	1.23 [0.78-1.78]	0.84 [0.56-1.22]	0.81 [0.51-1.18]	0.69 [0.45-0.99]	0.60 [0.41-0.99]	0.58 [0.40-0.79]	0.53 [0.34-0.79]	0.47 [0.32-0.66]	
	Warrington	33.48 [30.00-37.08]	7.67 [5.55-10.10]	6.52 [4.90-8.43]	2.89 [1.90-4.19]	1.43 [1.02-2.01]	1.10 [0.70-1.58]	1.17 [0.80-1.64]	1.06 [0.74-1.58]	0.88 [0.62-1.18]	0.78 [0.49-1.14]	0.80 [0.55-1.07]	
	Wigan	34.25 [31.08-37.62]	7.81 [5.73-10.17]	6.82 [5.16-8.72]	2.49 [1.63-3.52]	1.07 [0.75-1.50]	1.25 [0.78-1.82]	1.17 [0.79-1.66]	1.16 [0.81-1.71]	0.78 [0.56-0.99]	0.78 [0.49-1.14]	1.20 [0.84-1.66]	
	Wirral	39.59 [35.98-43.36]	8.45 [6.10-11.11]	7.75 [5.83-9.96]	3.10 [2.04-4.48]	1.57 [1.10-2.22]	1.46 [0.99-2.10]	1.39 [0.96-1.91]	1.35 [0.95-1.90]	1.16 [0.79-1.56]	0.92 [0.60-1.34]	0.96 [0.67-1.34]	
Yorkshire & Humber	Barnsley	40.27 [36.28-44.68]	9.41 [6.96-12.26]	7.93 [5.94-10.25]	3.49 [2.21-5.02]	1.85 [1.28-2.62]	1.44 [0.90-2.11]	1.39 [0.93-2.05]	1.31 [0.90-1.90]	0.81 [0.58-1.12]	0.96 [0.61-1.45]	0.64 [0.45-0.90]	
	Bradford	22.81 [20.61-25.02]	5.92 [4.53-7.67]	4.02 [3.01-5.22]	1.75 [1.17-2.57]	1.11 [0.75-1.57]	0.80 [0.53-1.15]	0.70 [0.48-0.97]	0.75 [0.51-1.04]	0.70 [0.46-0.95]	0.49 [0.31-0.73]	0.40 [0.28-0.57]	
	Calderdale	52.04 [46.50-57.46]	11.16 [8.15-14.99]	11.51 [8.80-14.37]	4.00 [2.59-5.77]	1.88 [1.27-2.66]	2.03 [1.26-3.04]	1.68 [1.16-2.35]	1.76 [1.20-2.42]	1.51 [1.04-2.10]	1.08 [0.68-1.57]	1.23 [0.84-1.70]	
	Doncaster	42.13 [37.96-46.38]	10.88 [8.17-13.70]	8.09 [6.06-10.33]	3.16 [2.09-4.60]	1.70 [1.10-2.41]	1.57 [0.99-2.37]	1.34 [0.90-1.92]	1.50 [1.00-2.02]	1.09 [0.74-1.48]	0.89 [0.56-1.34]	0.78 [0.55-1.08]	
	East Riding of Yorkshire	39.66 [35.89-43.60]	11.73 [9.18-14.47]	6.93 [5.20-9.03]	1.84 [1.16-2.73]	1.62 [1.12-2.28]	1.40 [0.96-2.00]	1.41 [0.97-2.02]	1.39 [0.93-1.90]	1.14 [0.80-1.55]	1.02 [0.65-1.52]	0.89 [0.62-1.24]	
	Kingston upon Hull	41.05 [37.13-45.06]	8.22 [6.05-10.91]	7.56 [5.67-9.63]	4.41 [2.85-6.26]	2.03 [1.39-2.81]	1.51 [1.01-2.27]	1.28 [0.87-1.80]	1.29 [0.90-1.79]	1.45 [0.89-1.99]	0.90 [0.59-1.33]	0.92 [0	

		All causes	Road injuries	Self-harm	Drug use disorders	Other neurological disorders	Other malignant neoplasms	Leukemia	Congenital birth defects	Epilepsy	Brain and nervous system cancer	Drowning	
East Midlands	Derby	39.17 [35.23-43.62]	10.11 [7.07-13.06]	7.35 [5.53-9.65]	3.21 [2.10-4.77]	1.29 [0.88-1.84]	1.36 [0.87-1.97]	1.22 [0.83-1.69]	1.24 [0.85-1.83]	1.06 [0.73-1.45]	0.90 [0.56-1.32]	0.89 [0.60-1.27]	
	Derbyshire	35.37 [31.94-38.84]	9.77 [7.41-12.20]	6.22 [4.62-8.05]	1.83 [1.18-2.76]	1.48 [1.03-2.01]	1.22 [0.81-1.80]	1.19 [0.80-1.69]	1.19 [0.84-1.63]	0.84 [0.60-1.14]	0.87 [0.53-1.27]	0.83 [0.58-1.15]	
	Leicester	31.89 [28.80-35.23]	7.69 [5.74-9.84]	6.02 [4.55-7.83]	2.21 [1.42-3.22]	1.47 [0.99-2.13]	1.15 [0.74-1.72]	1.07 [0.73-1.53]	1.14 [0.77-1.66]	0.89 [0.60-1.24]	0.64 [0.39-1.04]	0.68 [0.47-0.97]	
	Leicestershire	28.80 [26.14-31.57]	8.72 [6.85-10.70]	5.31 [4.05-6.79]	1.08 [0.66-1.58]	1.25 [0.86-1.80]	1.05 [0.67-1.54]	1.09 [0.74-1.52]	0.93 [0.64-1.34]	0.60 [0.43-0.82]	0.82 [0.50-1.18]	0.54 [0.38-0.76]	
	Lincolnshire	37.21 [33.56-40.86]	12.24 [9.79-14.66]	6.64 [5.05-8.45]	1.74 [1.12-2.59]	1.24 [0.85-1.79]	1.14 [0.77-1.63]	1.13 [0.77-1.61]	1.20 [0.82-1.65]	0.77 [0.56-1.05]	0.80 [0.52-1.18]	0.86 [0.59-1.19]	
	Northamptonshire	34.60 [31.18-37.93]	10.14 [7.86-12.49]	6.01 [4.48-7.74]	2.08 [1.38-3.10]	1.20 [0.84-1.69]	1.27 [0.82-1.85]	1.15 [0.77-1.62]	1.07 [0.75-1.53]	0.82 [0.57-1.11]	0.81 [0.53-1.24]	0.76 [0.52-1.03]	
	Nottingham	21.71 [19.40-24.10]	5.35 [3.91-7.13]	4.14 [3.09-5.20]	1.45 [0.96-2.13]	0.86 [0.57-1.25]	0.80 [0.52-1.16]	0.67 [0.46-0.96]	0.71 [0.48-1.01]	0.50 [0.36-0.68]	0.45 [0.29-0.68]	0.57 [0.39-0.80]	
	Nottinghamshire	25.39 [23.05-27.91]	7.43 [5.68-9.41]	4.66 [3.55-5.86]	1.06 [0.70-1.59]	0.93 [0.72-1.50]	0.84 [0.60-1.33]	0.84 [0.57-1.19]	0.86 [0.59-1.21]	0.60 [0.42-0.80]	0.64 [0.41-0.96]	0.52 [0.36-0.75]	
	Rutland	25.56 [21.98-29.55]	8.82 [6.99-10.84]	4.83 [3.45-6.39]	0.56 [0.34-0.89]	0.91 [0.60-1.33]	1.04 [0.65-1.57]	0.88 [0.59-1.25]	0.79 [0.53-1.15]	0.33 [0.23-0.48]	0.67 [0.39-1.03]	0.31 [0.21-0.45]	
	West Midlands	Birmingham	23.53 [21.44-25.77]	5.86 [4.46-7.43]	3.95 [3.00-5.07]	1.44 [0.93-2.12]	1.00 [0.70-1.42]	0.88 [0.56-1.32]	0.77 [0.53-1.12]	0.82 [0.56-1.20]	0.70 [0.47-0.95]	0.51 [0.31-0.83]	0.52 [0.35-0.71]
Coventry		20.32 [18.38-22.41]	5.73 [4.42-7.25]	3.52 [2.57-4.51]	1.30 [0.85-1.92]	0.88 [0.61-1.25]	0.67 [0.42-1.09]	0.65 [0.44-0.94]	0.64 [0.43-0.95]	0.59 [0.40-0.80]	0.46 [0.28-0.77]	0.41 [0.27-0.57]	
Dudley		31.40 [28.27-34.60]	7.25 [5.42-9.30]	5.83 [4.41-7.50]	2.10 [1.32-3.03]	1.21 [0.82-1.70]	1.18 [0.76-1.64]	1.20 [0.81-1.65]	1.13 [0.78-1.57]	0.98 [0.66-1.33]	0.71 [0.46-1.03]	0.61 [0.43-0.85]	
Herefordshire, County of		51.12 [45.81-56.78]	15.58 [11.74-19.19]	10.19 [7.64-13.09]	2.55 [1.58-3.89]	1.88 [1.29-2.62]	1.47 [0.94-2.22]	1.59 [1.05-2.30]	1.47 [1.01-2.06]	1.06 [0.75-1.46]	1.20 [0.64-1.91]	1.91 [1.29-2.67]	
Sandwell		23.74 [21.54-26.22]	6.37 [4.86-8.00]	3.75 [2.77-4.95]	0.99 [0.61-1.52]	0.73 [0.48-1.11]	0.99 [0.60-1.50]	0.85 [0.57-1.23]	0.86 [0.57-1.34]	0.69 [0.49-0.98]	0.56 [0.33-0.94]	0.61 [0.41-0.83]	
Shropshire		19.86 [17.87-22.07]	5.90 [4.50-7.85]	3.78 [2.86-4.80]	0.83 [0.50-1.27]	0.92 [0.63-1.39]	0.78 [0.48-1.17]	0.71 [0.46-1.04]	0.64 [0.43-0.95]	0.46 [0.32-0.62]	0.53 [0.33-0.81]	0.56 [0.37-0.79]	
Solihull		23.83 [21.32-26.56]	6.73 [5.13-8.54]	3.87 [2.84-5.10]	1.05 [0.66-1.53]	0.97 [0.66-1.38]	1.15 [0.69-1.71]	0.97 [0.65-1.44]	0.89 [0.60-1.28]	0.73 [0.48-1.02]	0.69 [0.43-1.03]	0.32 [0.22-0.45]	
Staffordshire		35.38 [32.09-38.83]	9.87 [7.63-12.19]	6.43 [4.85-8.21]	1.77 [1.09-2.57]	1.40 [0.97-1.91]	1.36 [0.87-2.05]	1.15 [0.77-1.60]	1.16 [0.79-1.66]	0.92 [0.64-1.27]	0.90 [0.57-1.29]	0.76 [0.52-1.03]	
Stoke-on-Trent		29.58 [26.55-32.47]	7.33 [5.47-9.43]	5.16 [3.88-6.64]	2.71 [1.78-3.79]	1.40 [0.99-1.97]	1.12 [0.73-1.59]	0.84 [0.58-1.20]	0.99 [0.68-1.41]	0.68 [0.49-0.93]	0.63 [0.39-0.93]	0.51 [0.34-0.70]	
Telford and Wrekin		30.69 [27.44-34.28]	8.29 [6.31-10.44]	5.61 [4.18-7.18]	1.92 [1.20-2.84]	1.24 [0.86-1.77]	1.29 [0.84-1.92]	1.04 [0.71-1.48]	1.00 [0.69-1.45]	0.79 [0.54-1.07]	0.75 [0.46-1.11]	0.50 [0.34-0.68]	
Walsall		34.71 [31.24-38.21]	7.62 [5.53-10.03]	5.57 [4.13-7.27]	2.35 [1.51-3.47]	1.72 [1.17-2.38]	1.26 [0.85-1.77]	1.18 [0.84-1.67]	1.26 [0.89-1.73]	1.03 [0.71-1.39]	0.78 [0.52-1.14]	0.91 [0.62-1.28]	
Warwickshire		24.80 [22.60-27.41]	7.63 [5.88-9.51]	4.29 [3.18-5.59]	1.16 [0.73-1.71]	1.02 [0.71-1.42]	0.90 [0.59-1.30]	0.86 [0.60-1.20]	0.77 [0.54-1.13]	0.66 [0.46-0.91]	0.62 [0.39-0.92]	0.64 [0.45-0.89]	
Wolverhampton		24.40 [22.03-26.88]	6.08 [4.54-8.01]	4.15 [3.09-5.49]	1.23 [0.80-1.83]	0.97 [0.68-1.49]	0.97 [0.62-1.39]	0.79 [0.54-1.11]	0.80 [0.55-1.17]	0.64 [0.46-0.87]	0.56 [0.35-0.84]	0.66 [0.46-0.90]	
Worcestershire		27.08 [24.62-29.60]	7.26 [5.48-9.09]	5.24 [3.98-6.77]	1.39 [0.89-2.10]	0.97 [0.82-1.63]	0.88 [0.65-1.39]	0.88 [0.62-1.23]	0.90 [0.62-1.25]	0.69 [0.49-0.93]	0.69 [0.44-1.00]	0.76 [0.53-1.05]	
Greater London		Barking and Dagenham	32.74 [29.46-36.03]	7.28 [5.37-9.66]	5.82 [4.24-7.68]	2.31 [1.50-3.45]	0.95 [0.62-1.37]	1.49 [0.88-2.26]	1.13 [0.74-1.64]	1.14 [0.78-1.57]	1.09 [0.69-1.49]	0.71 [0.45-1.05]	0.68 [0.47-0.94]
		Barnet	25.60 [23.14-28.24]	5.85 [4.35-7.66]	4.60 [3.36-5.96]	1.98 [1.31-2.89]	1.07 [0.71-1.47]	0.87 [0.56-1.23]	0.94 [0.64-1.33]	0.80 [0.54-1.13]	0.66 [0.46-0.90]	0.70 [0.43-1.01]	0.67 [0.47-0.93]
		Bexley	18.44 [16.52-20.43]	4.53 [3.38-6.22]	3.43 [2.52-4.46]	1.05 [0.65-1.56]	0.71 [0.47-1.00]	0.80 [0.54-1.20]	0.73 [0.50-1.03]	0.61 [0.41-0.88]	0.36 [0.25-0.49]	0.50 [0.33-0.74]	0.35 [0.24-0.49]
		Brent	25.63 [23.22-28.21]	5.84 [4.33-7.70]	4.24 [3.13-5.51]	1.77 [1.15-2.64]	0.95 [0.64-1.34]	0.82 [0.55-1.19]	0.92 [0.64-1.29]	0.81 [0.55-1.16]	0.85 [0.52-1.14]	0.54 [0.34-0.81]	0.74 [0.50-1.05]
	Bromley	18.76 [16.95-20.59]	5.07 [3.89-6.47]	3.43 [2.59-4.47]	1.00 [0.63-1.47]	0.75 [0.49-1.08]	0.67 [0.42-0.99]	0.66 [0.43-0.94]	0.65 [0.43-0.90]	0.47 [0.32-0.64]	0.58 [0.33-0.87]	0.35 [0.24-0.50]	
	Camden	24.40 [21.92-26.91]	5.27 [3.82-7.01]	3.96 [2.99-5.16]	3.67 [2.49-5.13]	0.61 [0.41-0.88]	0.77 [0.51-1.16]	0.76 [0.52-1.11]	0.61 [0.41-0.99]	0.56 [0.39-0.75]	0.48 [0.30-0.74]	0.65 [0.45-0.91]	
	Croydon	24.61 [22.44-27.09]	6.32 [4.77-8.13]	4.30 [3.14-5.51]	1.39 [0.88-2.07]	0.91 [0.58-1.30]	0.79 [0.51-1.14]	0.85 [0.55-1.22]	0.88 [0.58-1.23]	0.88 [0.53-1.21]	0.59 [0.37-0.85]	0.44 [0.30-0.61]	
	Ealing	24.06 [21.69-26.49]	5.43 [3.98-7.36]	4.51 [3.26-5.82]	1.57 [1.02-2.35]	0.91 [0.62-1.28]	0.76 [0.50-1.10]	0.75 [0.49-1.04]	0.77 [0.53-1.10]	0.74 [0.50-1.02]	0.53 [0.32-0.77]	0.78 [0.54-1.08]	
	Enfield	22.52 [20.32-24.78]	6.18 [4.64-8.18]	3.76 [2.77-4.90]	1.15 [0.73-1.66]	0.87 [0.59-1.21]	0.72 [0.45-1.06]	0.86 [0.58-1.16]	0.72 [0.48-1.05]	0.52 [0.37-0.69]	0.54 [0.34-0.83]	0.61 [0.43-0.84]	
	Greenwich	29.13 [26.31-32.20]	7.46 [5.62-9.49]	4.92 [3.63-6.39]	2.59 [1.72-3.83]	0.96 [0.66-1.37]	1.06 [0.67-1.61]	0.98 [0.66-1.40]	0.91 [0.62-1.42]	0.80 [0.54-1.13]	0.69 [0.42-1.13]	0.65 [0.44-0.91]	
	Hackney	34.04 [30.80-37.38]	6.88 [5.19-8.96]	5.24 [3.93-6.84]	3.85 [2.52-5.37]	1.14 [0.79-1.59]	1.05 [0.65-1.57]	1.07 [0.72-1.49]	0.98 [0.67-1.40]	0.90 [0.63-1.23]	0.56 [0.30-0.91]	1.04 [0.72-1.46]	
	Hammersmith and Fulham	40.33 [36.56-44.52]	8.18 [5.99-11.11]	6.99 [5.19-9.11]	4.46 [2.82-6.45]	1.12 [0.69-1.65]	1.03 [0.63-1.59]	1.20 [0.73-1.81]	1.14 [0.71-1.74]	1.23 [0.79-1.69]	0.71 [0.41-1.23]	1.53 [1.08-2.24]	
	Haringey	27.45 [24.86-30.35]	5.94 [4.38-7.95]	4.67 [3.51-6.03]	2.16 [1.35-3.14]	0.89 [0.61-1.27]	0.90 [0.60-1.26]	0.86 [0.59-1.23]	0.82 [0.56-1.26]	0.78 [0.51-1.05]	0.56 [0.35-0.83]	0.86 [0.61-1.21]	
	Harrow	18.68 [16.84-20.66]	5.49 [4.20-7.16]	3.06 [2.26-4.00]	1.07 [0.66-1.58]	0.59 [0.40-0.84]	0.75 [0.47-1.10]	0.69 [0.46-0.97]	0.58 [0.39-0.90]	0.49 [0.34-0.67]	0.51 [0.31-0.76]	0.37 [0.25-0.50]	
	Havering	26.23 [23.83-29.01]	6.68 [5.00-8.71]	4.44 [3.27-5.79]	1.36 [0.84-1.97]	1.07 [0.73-1.55]	1.21 [0.75-1.81]	0.94 [0.64-1.32]	0.90 [0.63-1.25]	0.83 [0.55-1.12]	0.82 [0.49-1.27]	0.46 [0.31-0.64]	
	Hillingdon	19.24 [17.42-21.31]	5.38 [4.10-6.94]	3.36 [2.48-4.33]	1.24 [0.79-1.90]	0.78 [0.49-1.01]	0.73 [0.49-1.14]	0.70 [0.50-1.02]	0.64 [0.41-0.93]	0.44 [0.32-0.60]	0.51 [0.29-0.78]	0.48 [0.33-0.67]	
	Hounslow	22.58 [20.39-24.74]	5.73 [4.29-7.26]	3.85 [2.88-5.06]	1.37 [0.88-2.04]	0.82 [0.57-1.11]	0.77 [0.49-1.16]	0.79 [0.54-1.08]	0.70 [0.49-1.02]	0.56 [0.40-0.77]	0.53 [0.33-0.82]	0.93 [0.67-1.26]	
	Islington	39.43 [35.57-43.45]	7.92 [5.43-10.38]	6.77 [5.07-8.70]	4.91 [3.29-7.16]	1.09 [0.74-1.59]	1.23 [0.81-1.80]	1.18 [0.80-1.68]	1.14 [0.80-1.72]	1.02 [0.74-1.36]	0.82 [0.52-1.18]	0.84 [0.58-1.16]	
	Kensington and Chelsea	40.77 [36.36-45.45]	7.39 [5.18-9.81]	8.									

		All causes	Road injuries	Self-harm	Drug use disorders	Other neurological disorders	Other malignant neoplasms	Leukemia	Congenital birth defects	Epilepsy	Brain and nervous system cancer	Drowning
East of England	Bedford	33.63 [30.03-37.72]	7.96 [5.97-10.26]	6.11 [4.52-7.89]	2.32 [1.48-3.38]	1.77 [1.21-2.52]	1.36 [0.86-2.02]	1.09 [0.70-1.61]	1.01 [0.70-1.56]	0.94 [0.63-1.31]	0.88 [0.53-1.31]	1.31 [0.91-1.81]
	Cambridgeshire	17.21 [15.39-18.98]	5.29 [4.04-7.11]	3.06 [2.26-3.83]	0.93 [0.58-1.38]	0.68 [0.47-0.96]	0.61 [0.39-0.86]	0.56 [0.37-0.80]	0.52 [0.36-0.76]	0.43 [0.29-0.58]	0.45 [0.27-0.64]	0.46 [0.30-0.63]
	Central Bedfordshire	20.36 [18.19-22.57]	5.45 [4.07-6.97]	3.59 [2.69-4.68]	1.07 [0.63-1.59]	0.98 [0.65-1.46]	0.89 [0.53-1.34]	0.71 [0.47-1.08]	0.64 [0.44-0.99]	0.49 [0.34-0.67]	0.60 [0.34-0.91]	0.42 [0.29-0.59]
	Essex	20.57 [18.61-22.54]	5.49 [4.33-6.97]	3.82 [2.87-4.87]	1.04 [0.67-1.56]	0.85 [0.58-1.20]	0.81 [0.52-1.18]	0.74 [0.50-1.03]	0.68 [0.47-0.99]	0.58 [0.40-0.78]	0.55 [0.34-0.79]	0.41 [0.29-0.57]
	Hertfordshire	13.88 [12.48-15.43]	3.58 [2.68-4.91]	2.60 [1.96-3.38]	0.76 [0.47-1.11]	0.61 [0.41-0.90]	0.55 [0.35-0.80]	0.52 [0.35-0.73]	0.48 [0.33-0.70]	0.31 [0.22-0.41]	0.40 [0.25-0.58]	0.32 [0.22-0.44]
	Luton	18.12 [16.23-20.14]	4.65 [3.52-6.08]	2.93 [2.17-3.96]	1.21 [0.77-1.80]	0.84 [0.54-1.26]	0.82 [0.48-1.22]	0.54 [0.36-0.80]	0.64 [0.41-1.06]	0.64 [0.37-0.91]	0.45 [0.26-0.73]	0.33 [0.23-0.45]
	Norfolk	22.34 [20.31-24.54]	6.80 [5.29-9.45]	4.08 [2.88-5.26]	1.58 [1.00-2.27]	0.91 [0.60-1.27]	0.72 [0.49-1.08]	0.68 [0.45-0.99]	0.68 [0.43-0.94]	0.51 [0.35-0.69]	0.52 [0.32-0.80]	0.64 [0.45-0.89]
	Peterborough	39.44 [35.26-43.78]	9.23 [6.97-12.02]	7.82 [5.93-9.95]	2.77 [1.73-4.03]	1.63 [1.12-2.28]	1.40 [0.86-2.13]	1.30 [0.90-1.84]	1.14 [0.81-1.62]	1.13 [0.78-1.55]	0.97 [0.54-1.48]	1.10 [0.77-1.52]
	Southend-on-Sea	31.87 [28.39-35.75]	5.93 [4.36-8.04]	6.71 [5.06-8.54]	3.07 [1.99-4.37]	1.14 [0.78-1.60]	1.09 [0.78-1.75]	1.04 [0.73-1.53]	1.04 [0.72-1.45]	1.34 [0.71-1.84]	0.77 [0.50-1.18]	0.67 [0.47-0.95]
	Suffolk	22.17 [19.96-24.62]	6.30 [4.82-8.36]	4.17 [3.13-5.32]	1.26 [0.78-1.87]	0.88 [0.59-1.23]	0.75 [0.53-1.21]	0.75 [0.49-1.06]	0.69 [0.47-0.97]	0.51 [0.35-0.66]	0.49 [0.37-0.97]	0.47 [0.32-0.66]
	Thurrock	19.41 [17.23-21.81]	5.15 [3.84-6.75]	3.22 [2.37-4.26]	0.86 [0.54-1.27]	0.65 [0.44-0.90]	0.84 [0.54-1.23]	0.75 [0.52-1.06]	0.66 [0.46-0.97]	0.63 [0.42-0.86]	0.53 [0.34-0.80]	0.45 [0.32-0.63]
	Bath and North East Somerset	13.98 [12.48-15.47]	4.00 [3.07-5.08]	2.21 [1.60-2.90]	1.28 [0.86-1.81]	0.55 [0.37-0.78]	0.56 [0.34-0.85]	0.46 [0.31-0.65]	0.43 [0.29-0.64]	0.24 [0.17-0.32]	0.42 [0.24-0.63]	0.40 [0.28-0.57]
	Bournemouth	18.15 [16.29-20.22]	4.31 [3.28-5.59]	3.36 [2.52-4.36]	2.03 [1.35-2.82]	0.83 [0.56-1.23]	0.63 [0.39-1.03]	0.63 [0.42-0.93]	0.52 [0.35-0.85]	0.42 [0.28-0.60]	0.46 [0.26-0.73]	0.36 [0.25-0.52]
	Bristol, City of	22.13 [19.96-24.57]	5.65 [4.25-7.28]	3.87 [2.90-4.98]	2.08 [1.34-3.04]	0.78 [0.53-1.13]	0.76 [0.49-1.13]	0.73 [0.51-1.06]	0.72 [0.49-1.03]	0.53 [0.37-0.73]	0.58 [0.34-0.88]	0.59 [0.40-0.81]
	Cornwall	25.16 [22.79-27.77]	6.49 [5.02-8.16]	5.07 [3.86-6.42]	1.36 [0.84-2.02]	0.98 [0.69-1.40]	0.93 [0.60-1.35]	0.82 [0.55-1.14]	0.76 [0.52-1.09]	0.62 [0.42-0.85]	0.59 [0.38-0.87]	0.85 [0.59-1.18]
	Devon	30.17 [27.26-33.32]	7.24 [5.46-9.27]	6.64 [4.96-8.44]	1.97 [1.28-2.95]	1.22 [0.81-1.68]	1.03 [0.67-1.52]	0.98 [0.66-1.40]	0.99 [0.67-1.40]	0.77 [0.53-1.05]	0.80 [0.46-1.23]	0.81 [0.57-1.11]
South West	Dorset	25.58 [23.21-28.30]	6.95 [5.20-8.88]	5.07 [3.79-6.50]	1.41 [0.89-2.06]	1.00 [0.69-1.38]	0.92 [0.59-1.34]	0.85 [0.59-1.20]	0.76 [0.53-1.09]	0.59 [0.42-0.80]	0.72 [0.42-1.10]	0.55 [0.38-0.75]
	Gloucestershire	28.84 [26.18-31.70]	8.27 [6.40-10.29]	5.55 [4.19-7.07]	1.69 [1.08-2.49]	1.14 [0.80-1.65]	0.99 [0.66-1.42]	0.93 [0.62-1.29]	0.92 [0.62-1.32]	0.67 [0.47-0.92]	0.76 [0.46-1.08]	0.77 [0.54-1.08]
	North Somerset	25.80 [23.26-28.61]	6.52 [4.88-8.37]	4.49 [3.33-5.80]	2.25 [1.44-3.29]	1.33 [0.86-1.94]	1.04 [0.63-1.56]	0.96 [0.65-1.37]	0.91 [0.59-1.37]	0.57 [0.41-0.79]	0.77 [0.42-1.17]	0.64 [0.44-0.88]
	Plymouth	22.60 [20.44-25.19]	4.99 [3.70-6.54]	4.02 [2.96-5.23]	2.51 [1.66-3.59]	0.93 [0.65-1.34]	1.21 [0.67-1.83]	0.73 [0.49-1.05]	0.76 [0.51-1.09]	0.49 [0.35-0.68]	0.58 [0.35-0.86]	0.48 [0.33-0.68]
	Poole	19.32 [17.31-21.54]	5.03 [3.77-6.48]	3.66 [2.79-4.70]	1.22 [0.77-1.81]	0.77 [0.51-1.14]	0.81 [0.48-1.20]	0.69 [0.46-1.03]	0.60 [0.41-0.93]	0.60 [0.33-0.66]	0.48 [0.32-0.91]	0.33 [0.23-0.48]
	Somerset	23.80 [21.54-26.18]	6.85 [5.19-8.63]	4.61 [3.50-5.92]	1.30 [0.84-1.91]	1.01 [0.68-1.44]	0.79 [0.49-1.12]	0.82 [0.55-1.17]	0.78 [0.53-1.09]	0.59 [0.40-0.82]	0.65 [0.38-1.01]	0.58 [0.40-0.79]
	South Gloucestershire	22.72 [20.39-25.38]	6.53 [5.02-8.33]	3.92 [2.89-5.14]	1.04 [0.64-1.44]	0.98 [0.62-1.28]	1.03 [0.62-1.44]	0.84 [0.57-1.20]	0.88 [0.56-1.21]	0.56 [0.40-0.75]	0.80 [0.44-1.25]	0.42 [0.29-0.57]
	Swindon	22.81 [20.36-25.41]	5.88 [4.37-7.68]	4.39 [3.25-5.57]	1.59 [1.02-2.31]	0.95 [0.66-1.35]	1.03 [0.63-1.55]	0.79 [0.54-1.13]	0.69 [0.48-1.05]	0.47 [0.34-0.64]	0.61 [0.38-0.94]	0.39 [0.26-0.55]
	Torbay	41.78 [37.54-46.34]	6.85 [4.74-9.30]	10.21 [7.57-12.90]	3.72 [2.40-5.34]	1.76 [1.17-2.46]	1.37 [0.87-2.12]	1.48 [0.95-2.13]	1.45 [0.98-2.01]	1.11 [0.76-1.50]	1.09 [0.55-1.74]	1.17 [0.79-1.66]
	Wiltshire	25.54 [23.16-28.18]	7.85 [6.19-9.76]	4.51 [3.40-5.76]	1.10 [0.70-1.66]	1.03 [0.72-1.49]	0.95 [0.60-1.39]	0.89 [0.60-1.27]	0.81 [0.54-1.18]	0.50 [0.36-0.67]	0.71 [0.43-1.07]	0.66 [0.45-0.92]
	Bracknell Forest	21.67 [19.15-24.48]	6.58 [5.10-8.32]	3.72 [2.76-4.90]	0.71 [0.45-1.07]	0.74 [0.48-1.11]	0.92 [0.52-1.53]	0.83 [0.54-1.23]	0.78 [0.47-1.27]	0.60 [0.40-0.85]	0.70 [0.37-1.12]	0.48 [0.31-0.68]
	Brighton and Hove	29.33 [26.47-32.69]	5.45 [3.97-7.29]	6.15 [4.64-7.81]	4.05 [2.75-5.59]	0.95 [0.65-1.36]	1.02 [0.69-1.48]	0.88 [0.59-1.26]	0.89 [0.62-1.31]	0.74 [0.51-1.03]	0.69 [0.42-1.00]	0.68 [0.47-0.95]
	Buckinghamshire	27.50 [24.84-30.27]	7.33 [5.55-9.19]	5.15 [3.84-6.57]	1.35 [0.84-1.98]	1.00 [0.68-1.43]	1.11 [0.71-1.71]	0.92 [0.63-1.32]	0.88 [0.61-1.25]	1.12 [0.64-1.52]	0.82 [0.49-1.25]	0.61 [0.41-0.86]
	East Sussex	30.79 [28.08-34.00]	7.66 [5.89-9.84]	6.58 [5.01-8.31]	2.08 [1.37-3.06]	1.10 [0.75-1.57]	1.11 [0.75-1.61]	1.03 [0.71-1.50]	1.14 [0.71-1.55]	0.86 [0.58-1.16]	0.79 [0.47-1.18]	0.67 [0.45-0.92]
	Hampshire	19.68 [17.82-21.64]	5.17 [3.98-6.81]	4.07 [3.11-5.06]	0.96 [0.62-1.44]	0.84 [0.57-1.17]	0.83 [0.54-1.18]	0.70 [0.48-0.99]	0.61 [0.40-0.91]	0.44 [0.32-0.59]	0.58 [0.36-0.87]	0.39 [0.27-0.55]
South East	Isle of Wight	22.07 [19.67-24.70]	5.02 [3.65-6.61]	4.84 [3.66-6.12]	1.37 [0.85-2.06]	0.83 [0.57-1.16]	0.96 [0.59-1.41]	0.79 [0.54-1.11]	0.75 [0.50-1.06]	0.47 [0.34-0.63]	0.59 [0.36-0.91]	0.44 [0.30-0.63]
	Kent	26.04 [23.78-28.58]	6.98 [5.45-8.62]	4.94 [3.74-6.28]	1.40 [0.91-2.10]	0.99 [0.68-1.38]	0.97 [0.64-1.37]	0.89 [0.61-1.25]	0.85 [0.58-1.21]	0.61 [0.43-0.82]	0.68 [0.43-0.97]	0.63 [0.45-0.87]
	Medway	21.03 [18.84-23.16]	5.21 [3.93-6.69]	3.73 [2.79-4.82]	1.63 [1.03-2.40]	1.01 [0.67-1.49]	1.06 [0.63-1.58]	0.72 [0.48-1.06]	0.71 [0.47-1.10]	0.59 [0.41-0.81]	0.51 [0.31-0.80]	0.40 [0.27-0.55]
	Milton Keynes	27.62 [24.79-30.71]	7.47 [5.65-9.43]	5.65 [4.35-7.13]	1.54 [0.97-2.33]	0.81 [0.54-1.17]	1.17 [0.73-1.75]	0.97 [0.67-1.36]	0.87 [0.59-1.22]	0.66 [0.47-0.91]	0.69 [0.43-0.99]	0.68 [0.46-0.94]
	Oxfordshire	22.90 [20.75-25.32]	6.29 [4.90-7.70]	4.40 [3.33-5.63]	1.15 [0.71-1.69]	1.01 [0.69-1.44]	0.90 [0.58-1.33]	0.84 [0.56-1.19]	0.70 [0.48-1.09]	0.57 [0.41-0.77]	0.67 [0.39-1.02]	0.62 [0.43-0.86]
	Portsmouth	29.64 [26.75-32.80]	6.21 [4.56-8.22]	6.33 [4.79-8.03]	2.59 [1.69-3.74]	0.99 [0.68-1.45]	1.23 [0.80-1.84]	1.01 [0.69-1.42]	0.93 [0.66-1.36]	1.03 [0.67-1.39]	0.66 [0.41-1.01]	0.61 [0.42-0.85]
	Reading	33.07 [29.78-36.50]	6.76 [4.91-8.97]	6.03 [4.63-7.76]	3.13 [2.02-4.66]	1.20 [0.83-1.69]	1.17 [0.79-1.72]	1.10 [0.73-1.60]	1.07 [0.75-1.48]	0.80 [0.57-1.07]	0.78 [0.51-1.10]	1.36 [0.98-1.84]
	Slough	42.62 [38.14-47.44]	9.65 [7.06-12.60]	8.13 [5.99-10.54]	2.73 [1.76-4.20]	1.45 [0.97-2.10]	1.70 [1.10-2.64]	1.31 [0.86-1.88]	1.54 [1.05-2.12]	1.01 [0.72-1.43]	0.98 [0.64-1.50]	1.59 [1.10-2.20]
	Southampton	21.99 [19.80-24.51]	5.56 [4.33-7.11]	4.56 [3.34-5.62]	1.72 [1.09-2.73]	0.65 [0.43-0.92]	0.93 [0.59-1.37]	0.64 [0.42-0.90]	0.69 [0.45-0.98]	0.75 [0.45-0.93]	0.74 [0.27-0.67]	0.56 [0.40-0.76]
	Surrey	23.53 [21.35-25.95]	6.17 [4.73-7.72]	4.39 [3.33-5.60]	1.06 [0.65-1.55]	0.95 [0.67-1.33]	0.98 [0.62-1.43]	0.84 [0.58-1.16]	0.86 [0.56-1.22]	0.66 [0.44-0.89]	0.75 [0.46-1.11]	0.59 [0.42-0.82]
	West Berkshire	22.64 [20.29-25.37]	6.55 [5.07-8.28]	4.23 [3.22-5.44]	0.99 [0.60-1.47]	0.68 [0.47-0.96]	0.91 [0.59-1.37]	0.75 [0.50-1.05]	0.83 [0.55-1.14]	0.33 [0.23-0.49]	0.67 [0.39-1.02]	0.60 [0.43-0.85]
	West Sussex	27.66 [25.15-30.62]	7.45 [5.71-9.30]	5.51 [4.10-6.97]	1.49 [0.95-2.21]	1.28 [0.89-1.80]	0.95 [0.62-1.38]	0.94 [0.64-1.31]	0.94 [0.64-1.30]	0.64 [0.45-0.88]	0.76 [0.45-1.15]	0.61 [0.42-0.84]
	Windsor and Maidenhead	18.46 [16.47-20.61]	5.18 [4.00-6.55]	3.22 [2.39-4.20]	1.00 [0.62-1.52]	0.75 [0.52-1.08]	0.72 [0.46-1.08]	0.59 [0.40-0.86]	0.59 [0.39-0.94]	0.51 [0.35-0.69]	0.53 [0.30-0.80]	0.61 [0.43-0.83]
	Wokingham	22.86 [20.27-25.72]	6.23 [4.76-7.99]	4.35 [3.26-5.67]	0.74 [0.46-1.10]	0.85 [0.58-1.21]	1.00 [0.62-1.46]	0.87 [0.61-1.21]	0.78 [0.53-1.13]	0.47 [0.33-0.66]	0.82 [0.48-1.22]	0.49 [0.34-0.68]



Table S11 Mortality rate per 100,000 with uncertainty intervals in 15-19 year old females for 150 upper tier local authorities compared with England for all-causes and top 10 causes of death in 2017

Females 15 to 19

Females 15 to 19		Mortality rate compared to England											
		All causes	Road injuries	Self-harm	Drug use disorders	Endocrine, metabolic, blood, and immune disorders	Other malignant neoplasms	Congenital birth defects	Epilepsy	Leukemia	Brain and nervous system cancer	Asthma	
		<div>Higher than England</div>	<div>Similar to England</div>	<div>Lower than England</div>	<div>Higher than England</div>	<div>Similar to England</div>	<div>Lower than England</div>	<div>Higher than England</div>	<div>Similar to England</div>	<div>Lower than England</div>	<div>Higher than England</div>	<div>Similar to England</div>	<div>Lower than England</div>
North East	County Durham	14.82 [13.53-16.22]	2.24 [1.62-2.98]	1.73 [1.26-2.27]	0.66 [0.45-0.95]	0.89 [0.57-1.30]	0.86 [0.57-1.25]	0.84 [0.59-1.20]	0.68 [0.49-0.94]	0.60 [0.42-0.84]	0.48 [0.30-0.69]	0.42 [0.30-0.58]	
	Darlington	14.61 [12.94-16.54]	2.17 [1.57-2.92]	1.82 [1.35-2.43]	0.95 [0.62-1.39]	0.83 [0.52-1.23]	0.82 [0.53-1.23]	0.78 [0.55-1.08]	0.83 [0.54-1.12]	0.56 [0.37-0.81]	0.41 [0.27-0.60]	0.32 [0.22-0.45]	
	Gateshead	17.28 [15.57-19.25]	2.61 [1.88-3.50]	1.96 [1.41-2.65]	1.77 [1.17-2.43]	0.74 [0.41-1.14]	0.81 [0.49-1.32]	0.88 [0.56-1.38]	0.71 [0.49-0.99]	0.66 [0.40-0.96]	0.42 [0.27-0.62]	0.48 [0.30-0.66]	
	Hartlepool	15.21 [13.55-17.00]	2.05 [1.43-2.72]	1.52 [1.07-2.10]	1.21 [0.82-1.71]	0.86 [0.56-1.29]	0.88 [0.55-1.32]	0.92 [0.66-1.29]	0.67 [0.47-0.93]	0.64 [0.42-0.91]	0.42 [0.26-0.63]	0.43 [0.30-0.62]	
	Middlesbrough	17.47 [15.66-19.53]	2.36 [1.69-3.14]	2.27 [1.66-2.95]	1.19 [0.79-1.71]	0.95 [0.57-1.42]	0.91 [0.59-1.38]	1.01 [0.70-1.39]	0.76 [0.54-1.05]	0.69 [0.48-0.99]	0.44 [0.28-0.63]	0.50 [0.34-0.68]	
	Newcastle upon Tyne	15.89 [14.46-17.50]	2.69 [1.96-3.56]	1.77 [1.25-2.36]	1.07 [0.72-1.52]	1.07 [0.68-1.70]	0.87 [0.52-1.41]	0.81 [0.55-1.40]	0.73 [0.50-1.02]	0.63 [0.44-0.97]	0.59 [0.35-0.87]	0.30 [0.21-0.43]	
	North Tyneside	11.51 [10.36-12.71]	1.65 [1.20-2.20]	1.44 [1.06-1.92]	0.72 [0.49-1.01]	0.70 [0.45-1.05]	0.68 [0.43-0.96]	0.59 [0.41-0.98]	0.46 [0.33-0.65]	0.45 [0.30-0.70]	0.41 [0.25-0.59]	0.25 [0.17-0.36]	
	Northumberland	10.35 [9.39-11.46]	1.57 [1.13-2.07]	1.35 [0.99-1.79]	0.56 [0.37-0.79]	0.55 [0.35-0.82]	0.55 [0.37-0.81]	0.64 [0.43-0.87]	0.43 [0.31-0.59]	0.42 [0.29-0.58]	0.35 [0.22-0.50]	0.23 [0.16-0.32]	
	Redcar and Cleveland	10.16 [9.06-11.28]	1.86 [1.37-2.44]	0.93 [0.65-1.25]	0.47 [0.31-0.67]	0.68 [0.43-1.12]	0.67 [0.38-0.99]	0.53 [0.35-1.06]	0.37 [0.26-0.53]	0.44 [0.29-0.71]	0.40 [0.24-0.60]	0.22 [0.15-0.33]	
	South Tyneside	15.58 [13.96-17.30]	1.98 [1.44-2.60]	1.61 [1.16-2.16]	1.16 [0.78-1.63]	1.02 [0.58-1.50]	0.89 [0.59-1.27]	0.90 [0.63-1.28]	0.74 [0.51-1.01]	0.58 [0.39-0.84]	0.54 [0.35-0.81]	0.42 [0.28-0.58]	
	Stockton-on-Tees	13.69 [12.26-15.16]	1.98 [1.41-2.57]	1.62 [1.17-2.14]	0.97 [0.63-1.37]	0.85 [0.53-1.30]	0.89 [0.60-1.31]	0.78 [0.54-1.09]	0.47 [0.32-0.66]	0.60 [0.41-0.84]	0.46 [0.29-0.67]	0.34 [0.23-0.48]	
	Sunderland	22.26 [20.13-24.67]	3.19 [2.34-4.24]	2.46 [1.79-3.32]	1.04 [0.70-1.45]	1.32 [0.87-1.97]	1.31 [0.87-1.90]	1.13 [0.77-1.75]	1.17 [0.80-1.63]	0.86 [0.58-1.25]	0.70 [0.45-1.01]	0.50 [0.35-0.69]	
North West	Blackburn with Darwen	15.37 [13.90-17.03]	1.89 [1.37-2.54]	2.38 [1.75-3.12]	1.39 [0.95-1.94]	0.81 [0.50-1.21]	0.89 [0.59-1.36]	0.77 [0.52-1.14]	0.54 [0.38-0.75]	0.52 [0.35-0.74]	0.40 [0.26-0.58]	0.44 [0.31-0.61]	
	Blackpool	25.27 [22.82-27.91]	3.13 [2.26-4.20]	3.54 [2.61-4.70]	2.94 [2.05-4.02]	1.20 [0.76-1.89]	1.21 [0.75-1.79]	1.32 [0.90-1.89]	1.10 [0.76-1.52]	0.87 [0.60-1.29]	0.66 [0.42-0.97]	0.67 [0.47-0.93]	
	Bolton	20.42 [18.52-22.42]	3.12 [2.28-4.14]	2.64 [1.93-3.52]	1.74 [1.17-2.44]	1.03 [0.68-1.52]	1.04 [0.67-1.49]	1.12 [0.80-1.58]	0.78 [0.56-1.08]	0.79 [0.53-1.15]	0.58 [0.38-0.85]	0.49 [0.33-0.67]	
	Bury	15.20 [13.70-16.79]	2.16 [1.60-2.88]	2.01 [1.47-2.64]	0.98 [0.67-1.41]	0.80 [0.52-1.24]	0.80 [0.49-1.21]	0.83 [0.58-1.19]	0.65 [0.44-0.89]	0.60 [0.40-0.87]	0.45 [0.28-0.67]	0.37 [0.26-0.52]	
	Cheshire East	19.21 [17.54-21.08]	3.18 [2.31-4.18]	2.31 [1.65-3.12]	1.05 [0.72-1.48]	1.04 [0.66-1.53]	1.05 [0.68-1.54]	1.06 [0.75-1.49]	0.97 [0.67-1.32]	0.80 [0.55-1.15]	0.67 [0.43-0.97]	0.40 [0.27-0.56]	
	Cheshire West and Chester	23.01 [20.86-25.30]	3.63 [2.67-4.69]	2.97 [2.19-3.91]	1.43 [0.96-2.03]	1.28 [0.86-1.93]	1.19 [0.72-1.68]	1.23 [0.85-1.76]	0.87 [0.62-1.18]	1.02 [0.69-1.45]	0.78 [0.48-1.13]	0.50 [0.36-0.69]	
	Cumbria	26.26 [23.92-28.60]	4.70 [3.47-6.03]	3.22 [2.33-4.23]	1.73 [1.21-2.46]	1.16 [0.74-1.72]	1.38 [0.90-2.07]	1.44 [1.04-1.97]	1.04 [0.75-1.43]	0.95 [0.65-1.32]	0.82 [0.52-1.21]	0.57 [0.41-0.78]	
	Halton	21.90 [19.68-24.47]	2.60 [1.87-3.43]	2.40 [1.73-3.24]	1.52 [0.99-2.16]	1.08 [0.70-1.60]	1.26 [0.84-1.92]	1.27 [0.92-1.76]	1.23 [0.87-1.68]	0.91 [0.61-1.27]	0.65 [0.44-0.94]	0.55 [0.37-0.77]	
	Knowsley	31.44 [28.53-34.80]	4.51 [3.25-6.05]	2.92 [2.09-3.94]	2.23 [1.47-3.15]	1.50 [0.95-2.29]	1.39 [0.86-2.04]	2.10 [1.41-2.90]	2.20 [1.39-2.99]	1.20 [0.76-1.74]	0.94 [0.60-1.34]	0.98 [0.64-1.40]	
	Lancashire	19.61 [17.93-21.31]	2.71 [2.02-3.57]	2.89 [2.16-3.75]	1.46 [1.01-2.05]	0.85 [0.54-1.25]	0.94 [0.62-1.37]	1.13 [0.81-1.55]	1.02 [0.71-1.36]	0.73 [0.50-1.00]	0.51 [0.33-0.73]	0.48 [0.32-0.64]	
	Liverpool	19.84 [18.15-21.77]	2.92 [2.14-3.83]	1.92 [1.38-2.53]	2.21 [1.53-3.08]	1.09 [0.70-1.60]	0.98 [0.62-1.38]	1.09 [0.76-1.52]	0.95 [0.67-1.28]	0.77 [0.52-1.09]	0.51 [0.32-0.75]	0.50 [0.35-0.69]	
	Manchester	11.19 [10.22-12.20]	1.71 [1.26-2.24]	1.41 [1.03-1.84]	0.93 [0.63-1.31]	0.73 [0.46-1.12]	0.59 [0.35-0.93]	0.56 [0.38-0.92]	0.42 [0.30-0.60]	0.42 [0.27-0.66]	0.35 [0.21-0.56]	0.26 [0.17-0.36]	
	Oldham	23.65 [21.41-26.04]	2.85 [1.98-3.83]	3.25 [2.35-4.27]	1.81 [1.24-2.59]	1.35 [0.78-2.06]	1.22 [0.77-1.89]	1.31 [0.93-1.85]	1.23 [0.85-1.66]	0.81 [0.54-1.19]	0.68 [0.45-0.98]	0.53 [0.34-0.76]	
	Rochdale	12.32 [11.20-13.56]	1.68 [1.22-2.28]	1.37 [0.98-1.80]	1.14 [0.79-1.59]	0.76 [0.51-1.14]	0.68 [0.43-0.99]	0.66 [0.47-1.00]	0.58 [0.41-0.78]	0.44 [0.30-0.69]	0.34 [0.21-0.51]	0.33 [0.23-0.46]	
	Salford	19.07 [17.31-20.95]	2.83 [2.07-3.70]	2.31 [1.68-3.04]	1.33 [0.90-1.91]	1.01 [0.65-1.54]	0.95 [0.61-1.34]	1.12 [0.80-1.50]	0.86 [0.62-1.18]	0.69 [0.46-1.02]	0.59 [0.40-0.86]	0.50 [0.34-0.70]	
	Sefton	20.42 [18.52-22.33]	2.90 [2.10-3.79]	2.56 [1.89-3.42]	1.46 [0.98-2.08]	1.08 [0.70-1.62]	0.97 [0.58-1.43]	1.22 [0.85-1.68]	1.05 [0.73-1.46]	0.83 [0.57-1.18]	0.67 [0.44-0.99]	0.53 [0.36-0.73]	
	St. Helens	19.82 [17.95-21.98]	2.92 [2.14-3.81]	1.75 [1.27-2.31]	1.20 [0.79-1.65]	1.33 [0.84-2.00]	1.04 [0.63-1.56]	1.15 [0.80-1.65]	0.98 [0.70-1.33]	0.82 [0.57-1.20]	0.58 [0.37-0.85]	0.50 [0.34-0.71]	
	Stockport	17.15 [15.59-18.88]	2.30 [1.64-3.06]	2.39 [1.75-3.11]	1.20 [0.78-1.72]	0.97 [0.59-1.35]	0.97 [0.63-1.42]	0.98 [0.70-1.34]	0.89 [0.62-1.22]	0.78 [0.52-1.09]	0.56 [0.36-0.81]	0.38 [0.26-0.54]	
	Tameside	19.25 [17.46-21.23]	2.87 [2.08-3.82]	2.35 [1.71-3.11]	1.48 [1.03-2.06]	1.04 [0.64-1.63]	1.03 [0.66-1.52]	1.11 [0.76-1.56]	0.95 [0.67-1.29]	0.70 [0.45-1.08]	0.59 [0.38-0.84]	0.53 [0.38-0.73]	
	Trafford	17.34 [15.60-19.06]	2.51 [1.75-3.33]	2.52 [1.87-3.33]	1.23 [0.85-1.73]	0.88 [0.57-1.29]	0.94 [0.61-1.37]	0.96 [0.69-1.35]	0.64 [0.44-0.88]	0.70 [0.46-0.98]	0.50 [0.32-0.70]	0.43 [0.28-0.59]	
	Warrington	15.58 [14.04-17.23]	2.07 [1.52-2.72]	1.95 [1.42-2.58]	1.11 [0.76-1.58]	0.75 [0.49-1.15]	0.80 [0.50-1.17]	0.92 [0.66-1.27]	0.84 [0.57-1.14]	0.60 [0.40-0.86]	0.46 [0.29-0.64]	0.40 [0.27-0.56]	
	Wigan	21.06 [19.10-23.06]	2.92 [2.16-3.85]	3.38 [2.51-4.35]	1.49 [1.03-2.12]	0.89 [0.55-1.33]	1.04 [0.67-1.58]	1.16 [0.81-1.69]	0.90 [0.64-1.25]	0.77 [0.52-1.09]	0.54 [0.36-0.78]	0.54 [0.37-0.74]	
	Wirral	22.81 [20.82-25.02]	2.94 [2.10-3.85]	2.81 [2.05-3.68]	1.79 [1.20-2.52]	1.34 [0.80-1.99]	1.20 [0.80-1.78]	1.31 [0.93-1.83]	1.12 [0.79-1.52]	0.92 [0.62-1.31]	0.69 [0.45-1.02]	0.53 [0.36-0.75]	
Yorkshire & Humber	Barnsley	12.75 [11.48-14.12]	1.62 [1.15-2.14]	1.49 [1.06-1.96]	0.97 [0.67-1.35]	0.63 [0.41-0.94]	0.72 [0.48-1.05]	0.70 [0.49-0.99]	0.80 [0.54-1.08]	0.53 [0.37-0.77]	0.39 [0.25-0.56]	0.34 [0.24-0.47]	
	Bradford	12.40 [11.34-13.57]	1.81 [1.30-2.37]	1.60 [1.18-2.12]	0.79 [0.53-1.13]	0.69 [0.41-1.02]	0.67 [0.45-1.02]	0.72 [0.52-0.96]	0.58 [0.41-0.80]	0.49 [0.33-0.69]	0.36 [0.24-0.54]	0.30 [0.21-0.42]	
	Calderdale	23.77 [21.52-26.16]	3.66 [2.68-4.87]	3.61 [2.64-4.77]	1.75 [1.18-2.52]	1.19 [0.63-1.84]	1.28 [0.77-1.99]	1.16 [0.82-1.71]	1.10 [0.79-1.47]	0.84 [0.56-1.21]	0.70 [0.43-1.06]	0.53 [0.36-0.74]	
	Doncaster	13.27 [12.03-14.54]	1.89 [1.36-2.52]	1.66 [1.22-2.20]	0.64 [0.44-0.92]	0.71 [0.40-1.06]	0.70 [0.46-1.04]	0.80 [0.56-1.10]	0.70 [0.49-0.95]	0.54 [0.37-0.75]	0.43 [0.28-0.63]	0.37 [0.25-0.51]	
	East Riding of Yorkshire	17.64 [16.13-19.35]	2.98 [2.24-3.83]	2.14 [1.53-2.88]	0.73 [0.49-1.03]	0.95 [0.57-1.44]	0.95 [0.63-1.43]	1.10 [0.75-1.47]	0.85 [0.59-1.16]	0.75 [0.50-1.05]	0.66 [0.39-0.99]	0.41 [0.28-0.57]	
	Kingston upon Hull	21.42 [19.48-23.64]	2.77 [2.02-3.71]	2.96 [2.16-3.81]	1.66 [1.14-2.34]	0.95 [0.56-1.47]	1.05 [0.67-1.62]	1.11 [0.77-1.61]	1.36 [0.88-1.86]	0.86 [0.57-1.18]	0.63 [0.39-0.93]	0.66 [0	

## Females 15 to 19

Mortality rate compared to England

Higher than England

Similar to England

Lower than England

East Midlands	Derby	6.87 [6.20-7.59]	1.03 [0.75-1.35]	0.74 [0.54-0.99]	0.38 [0.25-0.53]	0.43 [0.28-0.63]	0.42 [0.27-0.62]	0.36 [0.25-0.55]	0.33 [0.23-0.45]	0.27 [0.17-0.40]	0.22 [0.13-0.32]	0.15 [0.10-0.21]
	Derbyshire	14.30 [12.92-15.66]	2.33 [1.73-2.97]	1.49 [1.04-1.98]	0.63 [0.43-0.90]	0.88 [0.57-1.30]	0.88 [0.58-1.26]	0.82 [0.58-1.15]	0.68 [0.48-0.93]	0.61 [0.41-0.87]	0.51 [0.32-0.75]	0.29 [0.20-0.40]
	Leicester	15.34 [13.88-16.86]	2.38 [1.76-3.11]	1.79 [1.31-2.42]	0.81 [0.55-1.13]	1.10 [0.73-1.59]	0.92 [0.56-1.35]	0.84 [0.56-1.36]	0.68 [0.48-0.92]	0.61 [0.41-0.93]	0.51 [0.31-0.78]	0.32 [0.22-0.47]
	Leicestershire	14.44 [13.12-15.93]	2.63 [1.99-3.34]	1.69 [1.24-2.25]	0.50 [0.33-0.73]	0.90 [0.56-1.38]	1.00 [0.64-1.49]	0.79 [0.55-1.18]	0.52 [0.35-0.71]	0.67 [0.45-0.98]	0.56 [0.35-0.82]	0.27 [0.19-0.38]
	Lincolnshire	21.00 [19.19-22.94]	4.32 [3.28-5.37]	2.49 [1.83-3.29]	0.79 [0.52-1.14]	1.21 [0.78-1.80]	1.17 [0.77-1.74]	1.09 [0.79-1.53]	0.82 [0.58-1.10]	0.86 [0.61-1.22]	0.72 [0.46-1.08]	0.45 [0.31-0.63]
	Northamptonshire	14.79 [13.39-16.27]	2.61 [1.91-3.40]	1.55 [1.14-2.04]	0.89 [0.59-1.24]	1.00 [0.66-1.47]	0.89 [0.55-1.34]	0.77 [0.53-1.14]	0.60 [0.43-0.83]	0.63 [0.41-0.94]	0.51 [0.32-0.74]	0.31 [0.21-0.43]
	Nottingham	17.49 [15.83-19.23]	2.66 [1.91-3.45]	2.31 [1.70-3.04]	0.56 [0.38-0.81]	1.05 [0.61-1.54]	0.99 [0.67-1.47]	0.88 [0.63-1.27]	0.78 [0.55-1.06]	0.68 [0.47-1.01]	0.54 [0.36-0.77]	0.44 [0.29-0.62]
	Nottinghamshire	18.33 [16.68-20.17]	3.33 [2.49-4.21]	2.07 [1.52-2.70]	0.61 [0.40-0.88]	1.08 [0.69-1.60]	1.13 [0.73-1.69]	1.02 [0.72-1.40]	0.78 [0.56-1.07]	0.75 [0.51-1.09]	0.64 [0.41-0.93]	0.42 [0.29-0.58]
	Rutland	13.43 [11.62-15.55]	3.00 [2.25-3.85]	1.75 [1.27-2.37]	0.25 [0.16-0.38]	0.75 [0.46-1.16]	0.68 [0.42-1.01]	0.80 [0.50-1.13]	0.46 [0.33-0.63]	0.45 [0.29-0.65]	0.58 [0.34-0.90]	0.19 [0.13-0.28]
	West Midlands	Birmingham	16.59 [15.17-18.07]	2.44 [1.81-3.18]	1.85 [1.30-2.44]	0.99 [0.69-1.39]	1.14 [0.75-1.70]	0.94 [0.59-1.34]	0.89 [0.62-1.33]	0.80 [0.57-1.09]	0.66 [0.45-1.00]	0.50 [0.31-0.76]
Coventry		19.01 [17.13-20.92]	2.42 [1.75-3.22]	2.29 [1.67-3.09]	1.14 [0.77-1.63]	1.23 [0.71-1.84]	1.07 [0.69-1.54]	1.06 [0.76-1.46]	1.09 [0.74-1.49]	0.77 [0.51-1.09]	0.56 [0.36-0.81]	0.53 [0.38-0.74]
Dudley		19.44 [17.65-21.58]	2.85 [2.07-3.77]	2.03 [1.47-2.77]	0.76 [0.50-1.13]	1.23 [1.02-2.36]	1.18 [0.74-1.76]	1.20 [0.79-1.77]	0.91 [0.64-1.28]	0.83 [0.56-1.24]	0.71 [0.43-1.03]	0.42 [0.29-0.60]
Herefordshire, County of		17.37 [15.71-19.32]	3.05 [2.32-4.01]	2.35 [1.71-3.06]	0.70 [0.46-0.99]	1.24 [0.79-1.82]	1.02 [0.63-1.50]	0.98 [0.64-1.52]	0.51 [0.35-0.72]	0.80 [0.54-1.22]	0.69 [0.40-1.01]	0.31 [0.21-0.47]
Sandwell		18.42 [16.65-20.30]	2.58 [1.91-3.38]	1.98 [1.39-2.70]	0.68 [0.46-0.97]	1.52 [0.85-2.28]	0.98 [0.62-1.41]	1.07 [0.75-1.52]	0.93 [0.64-1.28]	0.79 [0.54-1.16]	0.56 [0.35-0.82]	0.51 [0.36-0.71]
Shropshire		18.75 [16.98-20.73]	3.95 [2.98-5.06]	2.09 [1.50-2.79]	0.87 [0.58-1.27]	0.84 [0.51-1.36]	1.11 [0.72-1.70]	1.09 [0.76-1.45]	0.83 [0.58-1.12]	0.76 [0.50-1.07]	0.68 [0.42-1.03]	0.35 [0.25-0.48]
Solihull		22.33 [19.99-24.85]	3.90 [2.89-5.04]	2.70 [1.97-3.65]	0.92 [0.62-1.31]	1.29 [0.80-2.06]	1.45 [0.91-2.09]	1.31 [0.87-1.85]	0.66 [0.46-0.92]	1.02 [0.69-1.47]	0.88 [0.52-1.28]	0.39 [0.27-0.57]
Staffordshire		16.33 [14.98-17.84]	2.60 [1.91-3.37]	1.96 [1.41-2.62]	0.80 [0.54-1.11]	0.98 [0.65-1.41]	0.93 [0.60-1.32]	0.92 [0.64-1.30]	0.82 [0.59-1.14]	0.66 [0.43-0.96]	0.53 [0.33-0.75]	0.35 [0.25-0.48]
Stoke-on-Trent		15.35 [13.90-16.97]	2.36 [1.72-3.09]	1.29 [0.91-1.74]	1.04 [0.69-1.47]	1.08 [0.71-1.63]	1.07 [0.62-1.61]	0.87 [0.57-1.41]	0.67 [0.47-0.96]	0.59 [0.39-0.99]	0.58 [0.33-0.88]	0.33 [0.22-0.48]
Telford and Wrekin		22.82 [20.28-25.40]	3.43 [2.47-4.51]	2.32 [1.64-3.11]	1.22 [0.81-1.75]	1.36 [0.88-2.15]	1.57 [0.98-2.39]	1.25 [0.87-1.84]	1.16 [0.82-1.60]	0.93 [0.63-1.40]	0.81 [0.51-1.18]	0.44 [0.30-0.64]
Greater London	Walsall	10.72 [9.70-11.91]	1.55 [1.13-2.07]	1.01 [0.70-1.36]	0.56 [0.37-0.82]	0.89 [0.56-1.31]	0.67 [0.40-0.98]	0.59 [0.41-0.96]	0.53 [0.37-0.72]	0.44 [0.30-0.65]	0.36 [0.22-0.55]	0.26 [0.18-0.37]
	Warwickshire	16.37 [14.88-17.96]	2.62 [1.91-3.39]	1.99 [1.48-2.67]	0.65 [0.43-0.93]	1.00 [0.64-1.50]	0.94 [0.65-1.37]	0.98 [0.67-1.32]	0.75 [0.54-1.01]	0.71 [0.49-0.98]	0.55 [0.36-0.79]	0.36 [0.25-0.51]
	Wolverhampton	20.75 [18.71-22.82]	2.94 [2.12-3.96]	2.33 [1.67-3.11]	0.80 [0.51-1.17]	1.41 [0.72-2.16]	1.24 [0.82-1.90]	1.20 [0.86-1.65]	1.21 [0.81-1.70]	0.83 [0.55-1.19]	0.60 [0.40-0.86]	0.46 [0.31-0.66]
	Worcestershire	12.82 [11.63-14.05]	2.17 [1.57-2.84]	1.51 [1.10-1.99]	0.46 [0.31-0.64]	0.84 [0.53-1.22]	0.76 [0.51-1.07]	0.70 [0.50-0.98]	0.55 [0.39-0.75]	0.54 [0.37-0.79]	0.47 [0.30-0.69]	0.25 [0.17-0.36]
	Barking and Dagenham	12.34 [11.07-13.71]	1.70 [1.23-2.27]	1.06 [0.75-1.45]	0.79 [0.54-1.09]	0.86 [0.55-1.23]	0.88 [0.53-1.34]	0.66 [0.46-1.00]	0.56 [0.39-0.78]	0.53 [0.36-0.82]	0.46 [0.28-0.66]	0.29 [0.20-0.41]
	Barnet	10.24 [9.30-11.24]	1.67 [1.23-2.20]	1.44 [1.05-1.88]	0.54 [0.36-0.75]	0.55 [0.34-0.89]	0.56 [0.36-0.80]	0.53 [0.34-0.81]	0.39 [0.28-0.53]	0.46 [0.33-0.67]	0.35 [0.20-0.50]	0.17 [0.12-0.24]
	Bexley	1.84 [1.66-2.02]	0.34 [0.24-0.44]	0.19 [0.13-0.25]	0.06 [0.04-0.09]	0.12 [0.07-0.22]	0.12 [0.07-0.18]	0.09 [0.06-0.19]	0.05 [0.04-0.07]	0.05 [0.06-0.15]	0.08 [0.04-0.12]	0.03 [0.02-0.05]
	Brent	11.26 [10.15-12.42]	1.56 [1.13-2.05]	1.32 [0.96-1.77]	0.65 [0.44-0.93]	0.63 [0.40-1.02]	0.64 [0.42-0.94]	0.62 [0.43-0.89]	0.36 [0.26-0.50]	0.53 [0.36-0.79]	0.42 [0.25-0.61]	0.24 [0.16-0.33]
	Bromley	14.99 [13.60-16.45]	2.26 [1.62-2.97]	2.15 [1.58-2.82]	0.72 [0.48-1.01]	0.69 [0.44-1.05]	0.81 [0.53-1.23]	0.85 [0.59-1.18]	0.80 [0.54-1.09]	0.73 [0.46-1.04]	0.51 [0.32-0.78]	0.31 [0.20-0.43]
	Camden	15.93 [14.46-17.64]	1.96 [1.41-2.59]	2.65 [1.99-3.38]	2.28 [1.65-3.04]	0.78 [0.49-1.28]	0.73 [0.46-1.11]	0.60 [0.42-0.98]	0.54 [0.39-0.74]	0.60 [0.41-0.88]	0.49 [0.30-0.74]	0.26 [0.18-0.38]
Croydon	17.07 [15.62-18.82]	2.52 [1.84-3.32]	2.18 [1.60-2.87]	0.62 [0.42-0.94]	0.90 [0.58-1.42]	1.00 [0.66-1.42]	0.95 [0.67-1.32]	0.87 [0.62-1.16]	0.71 [0.49-1.03]	0.58 [0.36-0.83]	0.41 [0.29-0.57]	
	Ealing	7.43 [6.73-8.20]	1.13 [0.81-1.58]	0.91 [0.66-1.21]	0.45 [0.30-0.64]	0.46 [0.28-0.73]	0.38 [0.23-0.58]	0.35 [0.25-0.60]	0.35 [0.24-0.48]	0.29 [0.20-0.44]	0.24 [0.15-0.36]	0.14 [0.10-0.20]
	Enfield	6.60 [5.96-7.31]	0.96 [0.69-1.29]	0.87 [0.62-1.14]	0.31 [0.21-0.45]	0.39 [0.25-0.60]	0.36 [0.22-0.52]	0.33 [0.22-0.50]	0.33 [0.23-0.45]	0.30 [0.21-0.42]	0.24 [0.15-0.34]	0.13 [0.09-0.18]
	Greenwich	14.83 [13.47-16.32]	2.14 [1.54-2.80]	1.98 [1.48-2.60]	0.94 [0.64-1.33]	0.77 [0.48-1.20]	0.85 [0.55-1.22]	0.78 [0.56-1.13]	0.59 [0.42-0.82]	0.61 [0.41-0.90]	0.47 [0.30-0.66]	0.34 [0.24-0.47]
	Hackney	13.27 [12.03-14.63]	1.62 [1.17-2.17]	1.39 [1.00-1.88]	1.21 [0.82-1.68]	0.87 [0.55-1.30]	0.77 [0.46-1.18]	0.55 [0.36-0.88]	0.56 [0.40-0.78]	0.54 [0.36-0.81]	0.46 [0.28-0.77]	0.28 [0.19-0.41]
	Hammersmith and Fulham	10.65 [9.58-11.78]	1.47 [1.07-1.95]	1.48 [1.10-1.95]	1.10 [0.75-1.49]	0.61 [0.40-0.94]	0.54 [0.32-0.81]	0.47 [0.33-0.72]	0.34 [0.24-0.46]	0.36 [0.24-0.57]	0.32 [0.19-0.50]	0.22 [0.15-0.32]
	Haringey	8.58 [7.77-9.52]	1.21 [0.87-1.62]	1.04 [0.75-1.38]	0.52 [0.35-0.74]	0.51 [0.33-0.74]	0.47 [0.28-0.69]	0.38 [0.26-0.63]	0.31 [0.22-0.43]	0.32 [0.22-0.49]	0.27 [0.16-0.41]	0.17 [0.12-0.24]
	Harrow	8.77 [7.94-9.71]	1.33 [0.96-1.74]	1.23 [0.91-1.61]	0.32 [0.21-0.46]	0.52 [0.32-0.85]	0.51 [0.32-0.77]	0.48 [0.33-0.75]	0.31 [0.22-0.43]	0.44 [0.30-0.63]	0.41 [0.19-0.47]	0.16 [0.11-0.23]
	Havering	9.90 [8.95-11.01]	1.70 [1.27-2.25]	0.96 [0.70-1.31]	0.24 [0.16-0.35]	0.63 [0.41-0.99]	0.61 [0.37-0.90]	0.60 [0.40-0.85]	0.39 [0.27-0.55]	0.46 [0.31-0.66]	0.43 [0.25-0.61]	0.20 [0.14-0.28]
	Hillingdon	20.59 [18.66-22.55]	2.83 [2.01-3.77]	2.81 [2.06-3.69]	1.25 [0.85-1.73]	1.16 [0.75-1.72]	1.21 [0.78-1.78]	1.12 [0.81-1.53]	0.88 [0.61-1.21]	0.89 [0.59-1.27]	0.77 [0.49-1.14]	0.44 [0.30-0.60]
	Hounslow	15.18 [13.68-16.84]	2.27 [1.65-3.00]	1.98 [1.40-2.64]	1.13 [0.78-1.57]	0.97 [0.60-1.45]	0.79 [0.52-1.15]	0.76 [0.56-1.08]	0.53 [0.36-0.75]	0.60 [0.39-0.90]	0.50 [0.31-0.74]	0.36 [0.25-0.50]
Islington	20.90 [18.93-23.13]	2.47 [1.78-3.25]	3.02 [2.24-3.98]	2.62 [1.85-3.58]	0.93 [0.61-1.38]	0.96 [0.60-1.42]	0.91 [0.65-1.33]	0.83 [0.58-1.15]	0.82 [0.57-1.16]	0.54 [0.35-0.78]	0.43 [0.29-0.59]	
	Kensington and Chelsea	9.96 [8.96-11.07]	1.25 [0.88-1.68]	2.03 [1.55-2.57]	1.05 [0.72-1.42]	0.49 [0.32-0.75]	0.46 [0.28-0.69]	0.37 [0.25-0.59]	0.29 [0.20-0.40]	0.36 [0.25-0.52]	0.29 [0.17-0.42]	0.17 [0.12-0.23]
	Kingston upon Thames											



		All causes	Road injuries	Self-harm	Drug use disorders	Endocrine, metabolic, blood, and immune disorders	Other malignant neoplasms	Congenital birth defects	Epilepsy	Leukemia	Brain and nervous system cancer	Asthma
East of England	Bedford	16.08 [14.43-17.94]	2.90 [2.18-3.73]	1.98 [1.44-2.67]	0.75 [0.49-1.09]	1.00 [0.63-1.62]	0.95 [0.57-1.42]	0.83 [0.56-1.45]	0.75 [0.53-1.02]	0.59 [0.39-0.89]	0.62 [0.37-0.91]	0.26 [0.18-0.37]
	Cambridgeshire	13.97 [12.68-15.24]	2.90 [2.24-3.70]	1.89 [1.38-2.43]	0.79 [0.53-1.10]	0.72 [0.42-1.03]	0.71 [0.49-1.07]	0.70 [0.49-0.96]	0.60 [0.42-0.80]	0.54 [0.36-0.76]	0.46 [0.28-0.67]	0.24 [0.16-0.33]
	Central Bedfordshire	12.83 [11.46-14.24]	2.27 [1.70-2.97]	1.34 [0.95-1.80]	0.75 [0.50-1.07]	0.66 [0.39-0.96]	0.72 [0.47-1.10]	0.68 [0.48-0.97]	0.70 [0.48-0.95]	0.51 [0.34-0.71]	0.43 [0.28-0.64]	0.28 [0.19-0.39]
	Essex	18.48 [16.98-20.14]	2.79 [2.08-3.60]	2.24 [1.65-3.01]	0.87 [0.59-1.26]	1.15 [0.73-1.66]	1.04 [0.71-1.49]	1.03 [0.73-1.42]	0.99 [0.68-1.33]	0.81 [0.55-1.16]	0.69 [0.44-0.99]	0.38 [0.27-0.51]
	Hertfordshire	15.39 [14.04-16.92]	2.58 [1.90-3.33]	1.88 [1.40-2.46]	0.74 [0.49-1.10]	0.82 [0.51-1.36]	0.85 [0.53-1.20]	0.85 [0.59-1.22]	0.72 [0.50-0.98]	0.66 [0.44-0.96]	0.59 [0.37-0.83]	0.31 [0.22-0.42]
	Luton	16.36 [14.62-18.14]	2.05 [1.48-2.81]	1.90 [1.39-2.48]	1.08 [0.74-1.53]	1.08 [0.54-1.69]	0.75 [0.48-1.10]	0.89 [0.63-1.21]	1.16 [0.76-1.58]	0.64 [0.44-0.92]	0.41 [0.27-0.59]	0.39 [0.27-0.53]
	Norfolk	21.55 [19.63-23.59]	4.11 [3.11-5.27]	2.64 [1.97-3.49]	1.59 [1.05-2.21]	1.05 [0.66-1.59]	1.10 [0.70-1.70]	1.17 [0.80-1.56]	0.92 [0.65-1.23]	0.83 [0.57-1.17]	0.69 [0.44-1.00]	0.38 [0.27-0.51]
	Peterborough	24.82 [22.13-27.61]	3.79 [2.79-4.98]	3.28 [2.41-4.31]	1.50 [1.00-2.11]	1.85 [1.09-2.75]	1.36 [0.84-2.05]	1.20 [0.81-1.81]	1.14 [0.77-1.62]	0.95 [0.61-1.53]	0.81 [0.51-1.21]	0.52 [0.36-0.76]
	Southend-on-Sea	17.59 [15.84-19.46]	2.28 [1.68-3.03]	2.83 [2.11-3.75]	1.03 [0.69-1.45]	1.07 [0.69-1.56]	1.00 [0.64-1.50]	0.97 [0.67-1.33]	0.83 [0.57-1.14]	0.67 [0.44-0.98]	0.63 [0.39-0.93]	0.30 [0.25-0.50]
	Suffolk	17.63 [16.01-19.30]	3.00 [2.22-3.93]	2.19 [1.61-2.92]	0.93 [0.63-1.32]	1.06 [0.63-1.60]	1.04 [0.69-1.56]	1.01 [0.70-1.39]	0.68 [0.49-0.93]	0.77 [0.53-1.08]	0.66 [0.42-0.96]	0.30 [0.21-0.43]
	Thurrock	15.42 [13.70-17.34]	2.21 [1.59-3.00]	1.49 [1.05-2.03]	0.38 [0.25-0.56]	1.39 [0.80-2.04]	0.92 [0.55-1.38]	0.81 [0.53-1.40]	0.89 [0.59-1.26]	0.70 [0.45-1.07]	0.60 [0.36-0.88]	0.43 [0.29-0.67]
	Bath and North East Somerset	11.32 [10.14-12.53]	1.95 [1.41-2.59]	1.45 [1.05-1.92]	0.57 [0.39-0.81]	0.63 [0.38-1.07]	0.66 [0.38-0.95]	0.60 [0.41-0.91]	0.52 [0.37-0.71]	0.49 [0.32-0.70]	0.47 [0.27-0.68]	0.16 [0.11-0.23]
	Bournemouth	16.75 [15.07-18.58]	1.96 [1.41-2.62]	2.82 [2.11-3.63]	1.48 [1.04-2.08]	0.98 [0.58-1.45]	0.96 [0.64-1.46]	0.86 [0.61-1.16]	0.75 [0.51-1.05]	0.61 [0.41-0.88]	0.54 [0.35-0.79]	0.27 [0.19-0.39]
South West	Bristol, City of	21.36 [19.38-23.37]	2.95 [2.13-3.89]	2.82 [2.10-3.65]	1.82 [1.22-2.55]	1.26 [0.85-1.88]	1.26 [0.84-1.85]	1.09 [0.77-1.56]	0.81 [0.57-1.13]	0.88 [0.60-1.30]	0.79 [0.48-1.16]	0.37 [0.25-0.51]
	Cornwall	19.53 [17.72-21.55]	2.87 [2.05-3.77]	3.15 [2.27-4.07]	0.91 [0.62-1.32]	1.04 [0.65-1.53]	1.10 [0.73-1.69]	1.00 [0.70-1.42]	0.89 [0.60-1.22]	0.84 [0.58-1.20]	0.67 [0.43-0.96]	0.33 [0.23-0.46]
	Devon	22.94 [20.94-25.21]	3.23 [2.41-4.19]	3.68 [2.70-4.71]	1.16 [0.78-1.66]	1.15 [0.72-1.74]	1.29 [0.85-1.97]	1.30 [0.91-1.77]	1.05 [0.74-1.42]	1.05 [0.71-1.42]	0.79 [0.50-1.19]	0.39 [0.27-0.53]
	Dorset	25.46 [23.02-28.05]	4.73 [3.53-6.12]	3.91 [2.93-5.05]	1.08 [0.73-1.56]	1.09 [0.61-1.65]	1.31 [0.80-2.08]	1.32 [0.89-1.93]	1.03 [0.70-1.42]	1.12 [0.70-1.60]	0.85 [0.48-1.33]	0.42 [0.28-0.59]
	Gloucestershire	15.28 [13.92-16.71]	2.78 [2.09-3.54]	1.88 [1.38-2.49]	0.79 [0.53-1.11]	0.87 [0.55-1.27]	0.82 [0.53-1.21]	0.80 [0.56-1.13]	0.65 [0.45-0.89]	0.64 [0.44-0.91]	0.60 [0.39-0.86]	0.26 [0.18-0.36]
	North Somerset	27.33 [24.64-30.29]	4.30 [3.15-5.69]	3.86 [2.79-5.06]	2.45 [1.69-3.48]	0.98 [0.61-1.43]	1.22 [0.77-1.92]	1.59 [1.05-2.18]	1.54 [1.03-2.11]	1.19 [0.76-1.68]	0.89 [0.48-1.39]	0.47 [0.31-0.68]
	Plymouth	21.77 [19.73-23.78]	2.75 [1.98-3.67]	2.73 [1.97-3.64]	1.65 [1.13-2.34]	1.55 [0.90-2.29]	1.32 [0.86-2.01]	1.16 [0.82-1.65]	0.90 [0.63-1.25]	0.88 [0.61-1.32]	0.77 [0.50-1.13]	0.44 [0.31-0.62]
	Poole	10.94 [9.79-12.17]	1.95 [1.45-2.56]	1.62 [1.18-2.12]	0.48 [0.32-0.68]	0.65 [0.39-1.09]	0.61 [0.36-0.93]	0.55 [0.38-0.93]	0.44 [0.31-0.59]	0.46 [0.32-0.69]	0.46 [0.26-0.66]	0.17 [0.12-0.24]
	Somerset	19.89 [18.07-21.72]	3.43 [2.57-4.42]	2.73 [2.03-3.54]	0.82 [0.56-1.17]	1.24 [0.80-1.87]	1.22 [0.79-1.78]	1.07 [0.73-1.50]	0.84 [0.59-1.12]	0.85 [0.58-1.23]	0.78 [0.50-1.13]	0.30 [0.21-0.43]
	South Gloucestershire	14.57 [13.08-16.13]	2.15 [1.57-2.79]	1.72 [1.24-2.32]	0.67 [0.45-0.96]	0.87 [0.56-1.36]	0.99 [0.65-1.49]	0.84 [0.59-1.20]	0.62 [0.44-0.86]	0.64 [0.44-0.93]	0.67 [0.40-0.98]	0.24 [0.17-0.34]
	Swindon	17.78 [15.96-19.85]	2.79 [1.99-3.70]	2.47 [1.80-3.24]	0.90 [0.58-1.31]	0.93 [0.52-1.22]	1.02 [0.60-1.41]	0.77 [0.72-1.39]	0.72 [0.53-1.04]	0.77 [0.47-1.01]	0.57 [0.36-0.82]	0.30 [0.24-0.48]
	Torbay	17.09 [15.30-18.93]	1.81 [1.25-2.46]	2.70 [1.96-3.50]	0.94 [0.61-1.34]	1.14 [0.66-1.76]	1.00 [0.64-1.52]	0.84 [0.59-1.25]	1.00 [0.64-1.39]	0.73 [0.51-1.07]	0.66 [0.41-0.99]	0.28 [0.18-0.40]
	Wiltshire	23.32 [21.28-25.61]	3.96 [2.95-5.13]	3.18 [2.34-4.17]	1.03 [0.68-1.47]	1.37 [0.84-2.01]	1.40 [0.94-2.02]	1.17 [0.81-1.67]	1.00 [0.70-1.41]	1.01 [0.69-1.42]	0.91 [0.58-1.35]	0.39 [0.27-0.54]
South East	Bracknell Forest	10.00 [8.83-11.24]	1.64 [1.21-2.16]	1.13 [0.81-1.56]	0.19 [0.12-0.29]	0.78 [0.49-1.13]	0.71 [0.42-1.07]	0.51 [0.35-0.90]	0.44 [0.31-0.61]	0.41 [0.27-0.63]	0.42 [0.25-0.62]	0.18 [0.13-0.26]
	Brighton and Hove	13.68 [12.29-15.08]	1.59 [1.11-2.11]	2.44 [1.83-3.12]	1.72 [1.21-2.38]	0.80 [0.48-1.18]	0.72 [0.46-1.10]	0.61 [0.43-0.87]	0.43 [0.30-0.59]	0.50 [0.33-0.74]	0.39 [0.24-0.57]	0.23 [0.16-0.33]
	Buckinghamshire	12.80 [11.61-14.02]	2.03 [1.50-2.65]	1.61 [1.17-2.15]	0.58 [0.39-0.82]	0.76 [0.50-1.12]	0.84 [0.55-1.25]	0.67 [0.47-0.93]	0.77 [0.51-1.06]	0.52 [0.35-0.75]	0.53 [0.33-0.77]	0.24 [0.17-0.34]
	East Sussex	15.90 [14.48-17.40]	2.42 [1.77-3.17]	2.83 [2.17-3.64]	0.96 [0.66-1.35]	0.70 [0.46-1.08]	0.87 [0.58-1.27]	0.83 [0.59-1.14]	0.78 [0.54-1.06]	0.64 [0.43-0.90]	0.56 [0.33-0.84]	0.26 [0.18-0.37]
	Hampshire	11.20 [10.26-12.20]	1.71 [1.25-2.30]	1.52 [1.14-1.97]	0.46 [0.30-0.67]	0.69 [0.44-1.06]	0.68 [0.43-0.99]	0.62 [0.44-0.87]	0.50 [0.35-0.68]	0.49 [0.35-0.68]	0.45 [0.29-0.65]	0.22 [0.15-0.31]
	Isle of Wight	13.68 [12.21-15.34]	2.14 [1.58-2.82]	1.63 [1.16-2.17]	0.80 [0.53-1.16]	0.90 [0.57-1.38]	0.86 [0.53-1.27]	0.74 [0.49-1.20]	0.54 [0.38-0.76]	0.60 [0.41-0.94]	0.52 [0.32-0.75]	0.26 [0.18-0.37]
	Kent	11.06 [10.10-12.02]	1.84 [1.39-2.37]	1.34 [0.99-1.76]	0.58 [0.37-0.84]	0.67 [0.44-1.04]	0.67 [0.43-0.96]	0.59 [0.41-0.91]	0.45 [0.32-0.61]	0.47 [0.32-0.69]	0.42 [0.26-0.60]	0.21 [0.15-0.29]
	Medway	11.90 [10.67-13.11]	1.73 [1.23-2.34]	1.14 [0.82-1.51]	0.71 [0.47-1.02]	0.80 [0.52-1.23]	0.78 [0.47-1.14]	0.64 [0.43-1.06]	0.58 [0.40-0.79]	0.51 [0.33-0.78]	0.46 [0.28-0.68]	0.24 [0.16-0.34]
	Milton Keynes	10.76 [9.68-11.90]	1.84 [1.36-2.35]	1.14 [0.84-1.51]	0.61 [0.41-0.88]	0.67 [0.44-1.02]	0.61 [0.38-0.90]	0.51 [0.34-0.81]	0.53 [0.36-0.75]	0.48 [0.32-0.73]	0.40 [0.24-0.60]	0.25 [0.18-0.37]
	Oxfordshire	14.41 [13.17-15.78]	2.52 [1.89-3.26]	1.89 [1.43-2.47]	0.62 [0.42-0.88]	0.82 [0.50-1.23]	0.82 [0.54-1.21]	0.75 [0.53-1.03]	0.65 [0.46-0.89]	0.64 [0.44-0.89]	0.54 [0.33-0.78]	0.27 [0.19-0.37]
	Portsmouth	13.02 [11.64-14.34]	1.71 [1.22-2.28]	1.79 [1.30-2.36]	0.95 [0.65-1.32]	0.89 [0.56-1.29]	0.72 [0.43-1.05]	0.64 [0.44-0.99]	0.54 [0.38-0.73]	0.52 [0.35-0.77]	0.50 [0.30-0.72]	0.30 [0.21-0.43]
	Reading	11.05 [9.87-12.46]	1.58 [1.13-2.12]	1.40 [1.01-1.85]	0.68 [0.47-0.96]	0.69 [0.44-1.07]	0.67 [0.40-1.02]	0.55 [0.37-0.88]	0.60 [0.39-0.82]	0.44 [0.30-0.67]	0.39 [0.23-0.57]	0.20 [0.14-0.29]
	Slough	12.10 [10.81-13.47]	1.50 [1.06-2.03]	1.79 [1.33-2.35]	0.68 [0.46-1.00]	0.66 [0.37-1.01]	0.59 [0.39-0.87]	0.64 [0.45-0.88]	0.62 [0.42-0.86]	0.51 [0.35-0.72]	0.51 [0.23-0.51]	0.30 [0.21-0.40]
	Southampton	14.23 [12.79-15.69]	1.80 [1.33-2.41]	2.18 [1.64-2.77]	0.95 [0.64-1.34]	0.82 [0.57-1.41]	0.72 [0.50-1.21]	0.72 [0.51-1.03]	0.57 [0.41-0.80]	0.59 [0.40-0.85]	0.48 [0.29-0.70]	0.31 [0.22-0.45]
South East	Surrey	11.10 [10.15-12.08]	1.78 [1.30-2.32]	1.51 [1.14-1.93]	0.49 [0.33-0.71]	0.60 [0.37-0.95]	0.65 [0.41-0.92]	0.63 [0.44-0.89]	0.56 [0.39-0.77]	0.48 [0.33-0.69]	0.44 [0.27-0.64]	0.19 [0.13-0.27]
	West Berkshire	15.75 [13.96-17.58]	2.67 [1.96-3.45]	2.18 [1.57-2.86]	0.46 [0.31-0.68]	0.95 [0.58-1.45]	0.88 [0.57-1.33]	0.76 [0.52-1.11]	0.54 [0.37-0.77]	0.66 [0.44-0.94]	0.68 [0.41-1.05]	0.31 [0.21-0.43]
	West Sussex	15.13 [13.83-16.48]	2.47 [1.83-3.19]	2.31 [1.75-2.95]	0.84 [0.56-1.19]	0.76 [0.49-1.12]	0.81 [0.53-1.19]	0.81 [0.57-1.10]	0.58 [0.41-0.77]	0.65 [0.45-0.92]	0.56 [0.36-0.85]	0.26 [0.17-0.35]
	Windsor and Maidenhead	11.65 [10.36-12.97]	1.63 [1.17-2.11]	1.69 [1.22-2.23]	0.42 [0.28-0.61]	0.66 [0.42-1.00]	0.72 [0.47-1.08]	0.69 [0.48-0.96]	0.50 [0.35-0.69]	0.46 [0.31-0.66]	0.46 [0.29-0.68]	0.23 [0.16-0.32]
	Wokingham	9.72 [8.75-10.95]	1.65 [1.24-2.12]	1.32 [0.98-1.75]	0.25 [0.16-0.36]	0.69 [0.44-1.09]	0.65 [0.39-0.97]	0.53 [0.36-0.88]	0.27 [0.19-0.38]	0.44 [0.29-0.66]	0.46 [0.27-0.67]	0.16 [0.11-0.23]

Table S12 Mortality rate per 100,000 with uncertainty intervals in 20-24 year old males for 150 upper tier local authorities compared with England for all-causes and top 10 causes of death in 2017

Males 20 to 24

Males 20 to 24													Mortality rate compared to England
		All causes	Self-harm	Road injuries	Drug use disorders	Epilepsy	Other malignant neoplasms	Interpersonal violence	Congenital birth defects	Leukemia	Other neurological disorders	Falls	<div><div>Higher than England</div><div>Similar to England</div><div>Lower than England</div></div>
North East	County Durham	70.74 (63.70-77.90)	19.52 (15.32-23.84)	14.03 (10.69-17.68)	9.12 (6.05-12.86)	1.79 (1.29-2.35)	1.56 (1.08-2.28)	1.07 (0.72-1.54)	1.51 (1.01-2.07)	1.33 (0.91-1.89)	1.62 (1.09-2.27)	1.24 (0.90-1.64)	
	Darlington	69.93 (62.39-78.66)	20.22 (16.03-25.23)	12.19 (9.05-15.78)	9.11 (6.06-12.81)	2.38 (1.54-3.20)	1.59 (1.08-2.31)	0.82 (0.55-1.17)	1.44 (0.98-2.00)	1.40 (0.97-2.03)	1.67 (1.15-2.37)	1.24 (0.89-1.73)	
	Gateshead	60.80 (54.58-67.55)	13.82 (10.63-17.50)	10.19 (7.48-12.97)	11.55 (8.06-15.61)	1.46 (1.03-1.98)	1.64 (1.07-2.39)	1.19 (0.80-1.67)	1.24 (0.91-1.76)	1.13 (0.76-1.63)	1.17 (0.79-1.64)	1.29 (0.92-1.75)	
	Hartlepool	81.24 (72.54-91.31)	19.13 (14.67-24.55)	12.67 (9.20-17.52)	16.37 (11.34-22.24)	2.59 (1.72-3.62)	2.00 (1.27-2.95)	1.76 (1.17-2.57)	1.47 (1.02-2.16)	1.42 (0.94-2.03)	1.36 (0.93-1.88)	1.28 (0.93-1.71)	
	Middlesbrough	55.78 (50.05-62.06)	15.47 (12.02-19.20)	9.02 (6.51-11.96)	9.37 (6.49-12.79)	1.51 (1.06-2.07)	1.32 (0.90-1.91)	1.14 (0.76-1.62)	1.13 (0.80-1.54)	1.04 (0.72-1.50)	0.95 (0.66-1.35)	0.99 (0.70-1.35)	
	Newcastle upon Tyne	35.61 (32.39-39.26)	8.31 (6.62-10.22)	6.73 (5.08-8.78)	6.38 (4.51-8.47)	0.99 (0.68-1.33)	0.97 (0.63-1.41)	0.69 (0.46-0.99)	0.63 (0.44-0.96)	0.63 (0.43-0.88)	0.63 (0.44-0.92)	0.67 (0.49-0.91)	
	North Tyneside	84.85 (76.13-93.69)	24.40 (19.37-30.12)	12.12 (8.66-16.28)	12.59 (8.76-17.27)	2.33 (1.59-3.12)	2.49 (1.40-3.67)	1.73 (1.16-2.50)	1.79 (1.25-2.46)	1.69 (1.17-2.40)	1.67 (1.14-2.26)	2.27 (1.61-3.07)	
	Northumberland	80.83 (73.49-89.53)	20.94 (16.45-26.00)	14.43 (10.82-18.22)	11.18 (7.45-15.45)	2.15 (1.52-2.92)	2.02 (1.31-3.02)	1.24 (0.83-1.76)	1.89 (1.26-2.58)	1.61 (1.10-2.30)	1.69 (1.16-2.36)	1.83 (1.31-2.48)	
	Redcar and Cleveland	55.78 (49.94-62.47)	15.34 (11.90-19.17)	11.35 (8.47-14.66)	6.10 (4.10-8.83)	1.38 (0.98-1.84)	1.36 (0.86-2.04)	1.16 (0.76-1.67)	1.20 (0.81-1.64)	1.13 (0.74-1.60)	0.86 (0.58-1.22)	1.15 (0.82-1.54)	
	South Tyneside	44.70 (40.02-49.67)	10.34 (7.96-13.15)	6.97 (4.92-9.27)	7.97 (5.52-10.82)	1.41 (0.95-1.89)	1.35 (0.81-2.05)	0.93 (0.61-1.30)	1.06 (0.70-1.46)	0.85 (0.59-1.18)	0.50 (0.34-0.71)	0.99 (0.70-1.36)	
	Stockton-on-Tees	70.31 (62.76-78.49)	18.63 (14.33-23.30)	13.14 (9.95-16.84)	9.74 (6.58-13.81)	1.64 (1.17-2.23)	2.13 (1.26-3.30)	1.17 (0.80-1.66)	1.45 (1.02-2.05)	1.46 (1.00-2.10)	1.58 (1.09-2.24)	1.21 (0.86-1.67)	
	Sunderland	51.16 (46.18-56.77)	13.17 (10.32-16.37)	8.79 (6.29-11.54)	6.94 (4.65-9.87)	1.49 (1.03-2.04)	1.45 (0.95-2.18)	1.20 (0.80-1.76)	1.05 (0.74-1.51)	1.00 (0.67-1.42)	1.21 (0.83-1.72)	0.91 (0.67-1.22)	
North West	Blackburn with Darwen	58.80 (52.80-65.16)	16.10 (12.53-20.24)	9.17 (6.87-12.02)	11.20 (7.80-15.29)	1.44 (1.00-1.93)	1.11 (0.74-1.54)	1.08 (0.71-1.57)	1.03 (0.73-1.53)	0.92 (0.62-1.25)	1.26 (0.87-1.77)	1.11 (0.81-1.54)	
	Blackpool	73.79 (66.63-81.24)	19.22 (14.67-24.16)	8.82 (6.41-12.00)	18.19 (13.13-23.66)	1.70 (1.19-2.30)	1.25 (0.83-1.83)	1.41 (0.95-2.01)	1.15 (0.81-1.76)	1.19 (0.82-1.67)	1.07 (0.76-1.49)	1.76 (1.23-2.38)	
	Bolton	47.57 (43.05-52.31)	12.44 (9.79-15.52)	8.31 (6.16-10.86)	7.74 (5.38-10.83)	1.13 (0.81-1.51)	1.12 (0.75-1.58)	0.90 (0.62-1.31)	0.94 (0.67-1.34)	0.92 (0.63-1.28)	0.94 (0.64-1.30)	1.01 (0.73-1.36)	
	Bury	38.47 (34.86-42.53)	10.04 (7.68-12.38)	6.95 (5.05-9.72)	5.64 (3.78-7.82)	0.92 (0.65-1.20)	0.89 (0.60-1.28)	0.64 (0.43-0.90)	0.84 (0.58-1.17)	0.71 (0.48-1.00)	0.69 (0.47-0.95)	0.78 (0.55-1.05)	
	Cheshire East	61.15 (55.39-67.25)	16.00 (12.63-19.77)	13.80 (10.64-17.45)	6.00 (4.05-8.73)	2.10 (1.36-2.87)	1.36 (0.92-2.05)	1.04 (0.70-1.50)	1.26 (0.87-1.74)	1.18 (0.79-1.71)	1.07 (0.73-1.49)	1.14 (0.82-1.53)	
	Cheshire West and Chester	51.60 (47.13-56.68)	13.26 (10.25-16.42)	11.05 (8.46-13.75)	6.16 (4.15-8.58)	1.01 (0.76-1.34)	1.25 (0.86-1.77)	0.90 (0.60-1.28)	1.10 (0.75-1.51)	1.05 (0.72-1.49)	0.87 (0.60-1.23)	1.08 (0.76-1.46)	
	Cumbria	59.55 (54.20-65.44)	16.22 (12.89-19.66)	11.43 (8.72-14.68)	7.80 (5.18-10.89)	1.41 (1.01-1.89)	1.46 (0.92-2.17)	1.11 (0.75-1.57)	1.19 (0.82-1.65)	1.06 (0.74-1.47)	1.24 (0.83-1.72)	1.21 (0.87-1.66)	
	Halton	52.43 (46.61-58.41)	12.90 (10.20-16.37)	10.36 (7.84-13.35)	7.43 (4.99-10.17)	1.17 (0.85-1.60)	1.19 (0.76-1.75)	0.99 (0.66-1.40)	1.05 (0.70-1.54)	1.13 (0.77-1.60)	1.07 (0.74-1.50)	1.01 (0.74-1.36)	
	Knowsley	53.24 (47.92-59.32)	12.28 (9.42-15.31)	10.24 (7.56-13.36)	6.79 (4.44-9.40)	1.54 (1.08-2.09)	1.32 (0.89-1.91)	1.36 (0.90-1.97)	1.23 (0.84-1.70)	1.10 (0.74-1.58)	0.93 (0.63-1.33)	1.39 (1.01-1.88)	
	Lancashire	55.44 (50.37-60.99)	16.09 (13.01-19.38)	10.21 (7.79-12.71)	6.64 (4.40-9.32)	1.61 (1.10-2.19)	1.16 (0.78-1.66)	0.98 (0.66-1.41)	1.14 (0.80-1.58)	0.98 (0.67-1.37)	0.92 (0.65-1.27)	1.14 (0.82-1.54)	
	Liverpool	38.09 (34.65-41.79)	8.47 (6.62-10.78)	7.41 (5.77-9.46)	6.15 (4.26-8.57)	1.10 (0.74-1.52)	0.90 (0.61-1.31)	1.13 (0.76-1.61)	0.75 (0.51-1.07)	1.15 (0.51-1.71)	0.75 (0.51-1.09)	0.94 (0.67-1.26)	
	Manchester	24.18 (21.97-26.46)	5.76 (4.53-7.23)	5.52 (4.32-6.85)	3.48 (2.35-4.72)	0.61 (0.43-0.84)	0.50 (0.31-0.93)	0.52 (0.35-0.73)	0.42 (0.28-0.69)	0.47 (0.31-0.69)	0.34 (0.23-0.50)	0.56 (0.40-0.75)	
	Oldham	46.77 (42.21-51.67)	12.05 (9.34-14.91)	7.51 (5.48-10.22)	8.26 (5.85-11.08)	1.19 (0.85-1.59)	1.04 (0.70-1.49)	1.07 (0.73-1.53)	0.98 (0.67-1.34)	0.98 (0.51-1.09)	1.00 (0.68-1.38)	0.82 (0.59-1.11)	
	Rochdale	50.41 (45.73-55.69)	13.02 (10.02-16.36)	8.20 (5.98-10.74)	9.23 (6.45-12.83)	1.30 (0.94-1.73)	1.12 (0.74-1.59)	0.80 (0.53-1.17)	0.96 (0.67-1.42)	0.89 (0.61-1.27)	1.07 (0.74-1.51)	0.88 (0.64-1.19)	
	Salford	37.91 (34.33-41.99)	9.54 (7.54-11.95)	7.02 (5.20-9.25)	5.84 (3.90-8.60)	0.97 (0.69-1.32)	0.88 (0.57-1.28)	0.85 (0.55-1.22)	0.81 (0.54-1.12)	0.73 (0.49-1.05)	0.71 (0.49-1.04)	0.82 (0.58-1.14)	
	Sefton	61.69 (56.03-67.98)	15.29 (11.89-19.11)	9.78 (7.23-12.71)	9.57 (6.58-12.84)	2.60 (1.38-3.45)	1.54 (1.02-2.24)	1.12 (0.74-1.63)	1.26 (0.89-1.78)	1.21 (0.82-1.73)	1.24 (0.87-1.70)	1.41 (1.03-1.86)	
	St. Helens	71.37 (64.40-78.85)	19.01 (14.64-23.29)	11.82 (8.67-15.75)	10.36 (6.87-14.54)	1.78 (1.25-2.36)	1.40 (0.93-2.00)	1.32 (0.88-1.90)	1.60 (1.09-2.23)	1.49 (1.00-2.12)	1.37 (0.92-1.90)	1.56 (1.13-2.12)	
	Stockport	55.08 (49.85-60.76)	14.30 (10.98-17.47)	10.49 (7.98-13.29)	7.67 (5.13-10.69)	1.62 (1.09-2.19)	1.12 (0.72-1.63)	1.09 (0.73-1.61)	1.11 (0.77-1.57)	0.99 (0.64-1.42)	0.92 (0.62-1.28)	1.37 (0.98-1.86)	
	Tameside	43.51 (39.10-48.15)	11.30 (8.88-13.98)	7.45 (5.47-10.07)	7.43 (5.27-10.14)	1.02 (0.75-1.37)	0.98 (0.65-1.38)	0.69 (0.47-0.99)	0.90 (0.62-1.27)	0.75 (0.51-1.07)	0.64 (0.45-0.90)	1.04 (0.74-1.40)	
	Trafford	38.13 (34.41-42.28)	9.81 (7.64-12.33)	7.73 (5.82-9.96)	4.60 (3.08-6.43)	1.07 (0.74-1.41)	0.93 (0.62-1.31)	0.70 (0.47-1.01)	0.72 (0.50-1.13)	0.73 (0.51-1.06)	0.73 (0.52-1.02)	0.88 (0.63-1.17)	
	Warrington	47.16 (42.22-52.42)	12.58 (9.86-15.64)	8.51 (6.50-11.06)	7.49 (5.07-10.40)	1.15 (0.83-1.52)	0.95 (0.62-1.33)	1.03 (0.70-1.48)	0.91 (0.62-1.31)	0.92 (0.63-1.30)	0.91 (0.65-1.26)	0.85 (0.62-1.16)	
	Wigan	52.81 (47.93-58.08)	14.80 (11.85-18.30)	9.29 (6.93-11.95)	7.29 (4.92-10.05)	1.14 (0.84-1.55)	1.19 (0.78-1.71)	0.97 (0.64-1.41)	1.09 (0.76-1.56)	1.02 (0.69-1.41)	0.74 (0.52-1.04)	1.01 (0.73-1.35)	
	Wirral	55.68 (50.72-61.07)	15.02 (11.81-18.48)	9.04 (6.52-11.90)	8.20 (5.62-11.32)	1.57 (1.09-2.12)	1.25 (0.87-1.80)	1.20 (0.81-1.70)	1.18 (0.81-1.62)	1.10 (0.76-1.51)	1.02 (0.72-1.45)	1.11 (0.80-1.47)	
Yorkshire & Humber	Barnsley	68.61 (61.91-75.88)	18.67 (14.50-23.06)	12.85 (9.77-16.85)	11.31 (7.78-15.93)	1.36 (0.98-1.84)	1.33 (0.92-1.91)	1.22 (0.81-1.78)	1.37 (0.94-1.94)	1.22 (0.82-1.73)	1.32 (0.88-1.85)	1.00 (0.72-1.36)	
	Bradford	42.13 (38.16-46.22)	9.97 (7.59-12.74)	8.82 (6.64-11.28)	6.13 (4.18-8.47)	1.26 (0.83-1.70)	1.00 (0.66-1.40)	0.75 (0.50-1.09)	0.88 (0.60-1.23)	0.79 (0.54-1.13)	1.02 (0.68-1.42)	0.75 (0.54-1.00)	
	Calderdale	54.08 (48.50-59.75)	15.90 (12.66-19.71)	9.45 (6.91-12.29)	7.44 (4.90-10.56)	1.45 (1.00-1.93)	1.43 (0.95-2.13)	0.69 (0.46-1.01)	1.08 (0.74-1.50)	1.02 (0.66-1.46)	0.94 (0.62-1.34)	0.91 (0.64-1.26)	
	Doncaster	82.47 (74.62-91.01)	21.97 (17.26-26.83)	16.22 (11.67-20.80)	11.53 (7.98-16.27)	2.07 (1.49-2.80)	2.12 (1.39-3.13)	1.31 (0.91-1.89)	1.84 (1.20-2.56)	1.57 (1.12-2.15)	1.66 (1.11-2.36)	1.19 (0.84-1.62)	
	East Riding of Yorkshire	80.62 (73.08-88.22)	20.34 (15.96-25.02)	19.65 (14.32-									

		All causes	Self-harm	Road injuries	Drug use disorders	Epilepsy	Other malignant neoplasms	Interpersonal violence	Congenital birth defects	Leukemia	Other neurological disorders	Falls	
East Midlands	Derby	46.18 [41.60-51.29]	11.12 [8.61-13.83]	10.54 [8.05-13.22]	6.81 [4.76-9.44]	1.14 [0.83-1.51]	1.04 [0.68-1.60]	0.58 [0.39-0.83]	0.87 [0.60-1.31]	0.90 [0.61-1.28]	0.71 [0.48-1.01]	0.94 [0.67-1.28]	
	Derbyshire	69.06 [62.37-75.88]	17.05 [13.50-20.94]	15.76 [11.80-19.76]	7.18 [4.62-10.15]	1.62 [1.17-2.17]	1.56 [1.02-2.22]	1.13 [0.75-1.60]	1.48 [1.05-2.03]	1.40 [0.98-1.96]	1.39 [0.98-1.97]	1.56 [1.13-2.13]	
	Leicester	52.26 [47.25-57.65]	13.43 [10.59-16.66]	10.68 [8.08-13.45]	6.78 [4.58-9.41]	1.42 [0.98-1.95]	1.20 [0.78-1.78]	0.73 [0.49-1.04]	1.14 [0.76-1.62]	1.00 [0.67-1.45]	1.08 [0.72-1.59]	1.13 [0.81-1.52]	
	Leicestershire	63.44 [57.71-69.58]	17.23 [13.96-21.11]	15.75 [11.80-19.43]	5.04 [3.26-7.29]	1.34 [1.00-1.79]	1.49 [0.99-2.17]	0.80 [0.55-1.14]	1.35 [0.93-1.87]	1.43 [0.99-2.01]	1.33 [0.91-1.84]	1.08 [0.77-1.46]	
	Lincolnshire	80.25 [72.35-87.78]	19.94 [15.83-24.88]	21.46 [15.88-26.39]	7.63 [5.07-10.87]	1.67 [1.23-2.26]	1.71 [1.18-2.50]	1.54 [1.04-2.23]	1.69 [1.13-2.28]	1.51 [1.01-2.15]	1.36 [0.94-1.88]	1.17 [0.84-1.57]	
	Northamptonshire	64.55 [58.34-70.83]	15.33 [12.01-18.96]	15.54 [11.85-19.08]	7.54 [5.09-10.50]	1.51 [1.12-2.00]	1.62 [1.10-2.31]	1.00 [0.68-1.43]	1.28 [0.89-1.77]	1.34 [0.93-1.89]	1.12 [0.79-1.59]	1.12 [0.82-1.51]	
	Nottingham	28.58 [25.66-31.61]	7.24 [5.79-8.90]	6.27 [4.73-8.01]	3.47 [2.34-4.96]	0.60 [0.43-0.83]	0.70 [0.45-1.06]	0.60 [0.40-0.86]	0.56 [0.37-0.83]	0.54 [0.36-0.80]	0.52 [0.34-0.78]	0.51 [0.36-0.70]	
	Nottinghamshire	63.02 [57.28-69.27]	15.96 [12.80-19.69]	15.56 [12.08-19.28]	5.36 [3.41-7.81]	1.52 [1.09-2.00]	1.52 [1.02-2.18]	0.97 [0.65-1.39]	1.40 [0.96-1.97]	1.26 [0.85-1.77]	1.29 [0.88-1.88]	1.10 [0.81-1.50]	
	Rutland	51.19 [44.27-58.94]	14.08 [11.00-17.72]	15.23 [11.97-18.94]	2.41 [1.45-3.65]	0.69 [0.48-0.98]	1.35 [0.87-2.04]	0.50 [0.33-0.76]	1.07 [0.71-1.49]	1.10 [0.74-1.60]	0.88 [0.59-1.28]	0.83 [0.59-1.15]	
	West Midlands	Birmingham	37.28 [34.04-40.80]	8.49 [6.62-10.48]	7.88 [6.14-10.02]	4.27 [2.78-6.09]	1.06 [0.75-1.43]	0.91 [0.59-1.32]	0.92 [0.62-1.31]	0.82 [0.54-1.15]	0.72 [0.49-1.01]	0.76 [0.53-1.07]	0.96 [0.70-1.30]
Coventry		26.29 [23.83-28.90]	6.31 [4.92-7.79]	5.99 [4.59-8.00]	3.23 [2.18-4.55]	0.75 [0.51-1.02]	0.58 [0.36-0.97]	0.49 [0.34-0.70]	0.52 [0.35-0.77]	0.53 [0.35-0.75]	0.57 [0.38-0.81]	0.51 [0.37-0.68]	
Dudley		43.73 [39.49-48.15]	11.30 [8.88-14.06]	8.22 [6.14-10.92]	5.53 [3.67-7.81]	1.33 [0.92-1.82]	1.06 [0.71-1.53]	0.59 [0.40-0.85]	0.98 [0.66-1.35]	0.98 [0.68-1.37]	0.77 [0.54-1.09]	0.88 [0.63-1.21]	
Herefordshire, County of		87.29 [78.06-96.90]	24.14 [18.99-30.14]	21.62 [16.24-26.97]	8.76 [5.65-12.84]	1.78 [1.28-2.43]	1.62 [0.98-2.48]	1.05 [0.70-1.53]	1.61 [1.09-2.23]	1.60 [1.04-2.29]	1.54 [1.03-2.18]	1.22 [0.88-1.64]	
Sandwell		49.83 [45.19-54.96]	12.15 [9.37-15.23]	10.09 [7.59-12.90]	4.59 [2.92-6.59]	1.51 [1.07-2.05]	1.23 [0.82-1.74]	0.93 [0.64-1.35]	1.18 [0.79-1.64]	1.03 [0.69-1.50]	0.72 [0.50-1.04]	1.07 [0.78-1.45]	
Shropshire		50.59 [45.58-56.14]	13.84 [10.81-16.88]	12.76 [9.92-16.27]	4.51 [2.93-6.60]	1.17 [0.84-1.56]	1.12 [0.76-1.63]	0.64 [0.44-0.91]	1.06 [0.70-1.46]	1.00 [0.68-1.40]	1.06 [0.73-1.46]	0.80 [0.57-1.07]	
Solihull		52.10 [46.47-57.97]	12.87 [9.72-16.01]	12.09 [9.28-15.18]	5.14 [3.31-7.60]	1.66 [1.12-2.18]	1.38 [0.84-2.10]	0.74 [0.49-1.07]	1.27 [0.81-1.73]	1.15 [0.73-1.62]	0.94 [0.62-1.34]	1.32 [0.94-1.79]	
Staffordshire		52.75 [47.80-57.90]	13.85 [10.90-17.17]	12.22 [9.60-15.05]	5.12 [3.36-7.39]	1.33 [0.97-1.83]	1.26 [0.84-1.80]	0.93 [0.63-1.32]	1.08 [0.75-1.51]	0.99 [0.68-1.40]	0.98 [0.70-1.36]	1.26 [0.92-1.70]	
Stoke-on-Trent		47.01 [42.20-51.52]	11.35 [8.82-13.96]	8.91 [6.69-11.45]	8.10 [5.58-10.77]	1.02 [0.74-1.42]	1.14 [0.75-1.70]	0.78 [0.52-1.13]	0.96 [0.64-1.33]	0.77 [0.52-1.12]	1.03 [0.69-1.47]	1.41 [1.00-1.92]	
Telford and Wrekin		31.37 [28.17-34.96]	8.08 [6.39-9.99]	7.08 [5.28-9.15]	3.84 [2.52-5.38]	0.77 [0.55-1.06]	0.80 [0.54-1.15]	0.48 [0.31-0.70]	0.64 [0.44-0.88]	0.61 [0.41-0.85]	0.58 [0.39-0.82]	0.58 [0.42-0.79]	
Walsall		65.47 [59.13-72.00]	15.18 [11.69-19.36]	11.85 [8.84-15.50]	8.42 [5.49-12.03]	1.92 [1.35-2.53]	1.46 [0.98-2.12]	1.28 [0.83-1.83]	1.48 [1.02-2.07]	1.27 [0.85-1.82]	1.48 [1.04-2.04]	1.44 [1.04-1.97]	
Warwickshire		59.12 [53.87-65.47]	15.66 [12.51-19.40]	13.81 [10.57-17.22]	5.84 [3.88-8.45]	1.62 [1.12-2.16]	1.35 [0.90-2.02]	0.72 [0.48-1.04]	1.21 [0.83-1.65]	1.19 [0.83-1.72]	1.14 [0.79-1.57]	1.14 [0.83-1.54]	
Wolverhampton		45.48 [41.17-50.01]	11.61 [9.14-14.33]	8.69 [6.47-11.41]	4.78 [3.15-6.80]	1.20 [0.85-1.62]	1.05 [0.72-1.52]	1.43 [0.96-2.04]	0.94 [0.65-1.27]	0.81 [0.54-1.16]	0.85 [0.58-1.18]	0.83 [0.60-1.13]	
Worcestershire		48.40 [44.00-52.99]	13.45 [10.43-16.29]	10.63 [8.17-13.73]	4.95 [3.33-7.06]	1.07 [0.85-1.61]	1.07 [0.72-1.57]	0.69 [0.46-0.98]	1.02 [0.70-1.40]	0.90 [0.59-1.28]	0.98 [0.67-1.34]	0.98 [0.70-1.37]	
Greater London		Barking and Dagenham	59.07 [53.16-64.98]	14.19 [10.78-17.88]	11.01 [8.35-14.23]	7.93 [5.26-11.06]	1.88 [1.27-2.56]	1.79 [1.10-2.68]	1.54 [1.01-2.21]	1.28 [0.86-1.79]	1.21 [0.78-1.71]	0.80 [0.55-1.14]	0.97 [0.70-1.33]
		Barnet	40.10 [36.25-44.22]	9.67 [7.45-12.03]	7.50 [5.66-9.82]	6.00 [4.06-8.19]	1.02 [0.73-1.35]	0.82 [0.55-1.17]	1.33 [0.91-1.85]	0.77 [0.52-1.09]	0.82 [0.52-1.16]	0.75 [0.49-1.06]	0.61 [0.43-0.81]
		Bexley	33.96 [30.59-37.61]	8.83 [6.72-11.04]	6.88 [5.06-9.20]	3.90 [2.59-5.40]	0.64 [0.46-0.86]	0.90 [0.60-1.33]	0.93 [0.63-1.31]	0.71 [0.47-0.99]	0.77 [0.48-1.12]	0.61 [0.41-0.88]	0.59 [0.42-0.80]
		Brent	36.63 [33.23-40.21]	8.24 [6.28-10.36]	7.25 [5.47-9.40]	4.94 [3.37-6.86]	1.13 [0.72-1.53]	0.71 [0.46-1.04]	1.82 [1.25-2.55]	0.70 [0.48-0.98]	0.73 [0.48-1.04]	0.61 [0.41-0.86]	0.65 [0.45-0.88]
		Bromley	40.92 [37.03-44.93]	10.39 [7.85-12.91]	8.58 [6.43-11.10]	4.68 [3.13-6.46]	1.05 [0.71-1.41]	0.91 [0.61-1.32]	1.11 [0.76-1.60]	0.92 [0.59-1.27]	0.83 [0.54-1.18]	0.78 [0.50-1.15]	0.58 [0.41-0.80]
		Camden	38.26 [34.53-42.13]	7.83 [6.07-9.84]	6.86 [5.14-9.00]	9.27 [6.93-11.79]	0.78 [0.55-1.05]	0.70 [0.46-1.03]	0.99 [0.69-1.40]	0.56 [0.38-0.87]	0.66 [0.44-0.96]	0.41 [0.28-0.59]	0.80 [0.56-1.09]
	Croydon	43.37 [39.49-47.86]	10.46 [8.01-12.93]	8.69 [6.64-11.03]	4.95 [3.25-6.91]	1.58 [0.95-2.11]	0.93 [0.61-1.29]	1.44 [0.98-2.05]	1.00 [0.68-1.36]	0.90 [0.62-1.26]	0.80 [0.54-1.13]	0.70 [0.50-0.93]	
	Ealing	48.43 [43.78-53.23]	12.53 [9.85-15.40]	8.86 [6.58-11.41]	6.18 [4.06-8.86]	1.41 [0.94-1.87]	0.94 [0.63-1.35]	1.24 [0.84-1.80]	0.96 [0.65-1.32]	0.84 [0.56-1.22]	0.83 [0.55-1.16]	0.82 [0.58-1.09]	
	Enfield	37.68 [33.94-41.47]	8.71 [6.77-10.69]	8.80 [6.77-11.13]	3.98 [2.64-5.66]	0.87 [0.62-1.15]	0.78 [0.50-1.14]	1.39 [0.93-1.96]	0.76 [0.52-1.06]	0.83 [0.57-1.17]	0.69 [0.47-0.99]	0.64 [0.46-0.85]	
	Greenwich	30.13 [27.15-33.36]	6.76 [5.21-8.39]	6.74 [5.03-8.67]	4.99 [3.47-6.76]	0.77 [0.54-1.02]	0.64 [0.41-0.98]	0.75 [0.50-1.06]	0.55 [0.39-0.84]	0.57 [0.38-0.81]	0.44 [0.30-0.63]	0.50 [0.35-0.69]	
	Hackney	38.02 [34.43-41.82]	7.28 [5.53-9.22]	7.82 [5.97-9.84]	7.12 [5.09-9.53]	0.87 [0.62-1.16]	0.73 [0.47-1.07]	1.49 [1.01-2.11]	0.62 [0.42-0.91]	0.69 [0.48-0.96]	0.55 [0.39-0.76]	0.71 [0.51-0.96]	
	Hammersmith and Fulham	33.25 [30.17-36.59]	7.13 [5.48-8.97]	5.92 [4.37-7.69]	6.29 [4.39-8.37]	0.88 [0.61-1.18]	0.58 [0.38-0.81]	1.01 [0.68-1.40]	0.53 [0.36-0.82]	0.56 [0.38-0.78]	0.42 [0.29-0.61]	0.75 [0.53-1.02]	
	Haringey	46.96 [42.54-51.76]	10.97 [8.38-13.58]	8.24 [6.28-10.57]	7.12 [4.88-9.81]	1.25 [0.85-1.68]	0.87 [0.58-1.22]	2.31 [1.58-3.30]	0.85 [0.59-1.28]	0.77 [0.51-1.11]	0.66 [0.45-0.96]	0.80 [0.57-1.09]	
	Harrow	37.87 [34.15-41.79]	8.96 [6.79-11.34]	9.05 [6.93-11.31]	4.64 [3.06-6.69]	0.98 [0.68-1.30]	0.86 [0.55-1.23]	1.06 [0.71-1.54]	0.73 [0.49-1.01]	0.77 [0.49-1.11]	0.54 [0.34-0.79]	0.65 [0.45-0.88]	
	Havering	52.24 [47.35-57.52]	12.73 [9.74-15.88]	11.09 [8.55-14.10]	5.75 [3.75-8.34]	1.64 [1.11-2.16]	1.48 [0.95-2.21]	0.88 [0.59-1.28]	1.14 [0.78-1.59]	1.06 [0.71-1.53]	0.98 [0.67-1.40]	0.87 [0.61-1.15]	
	Hillingdon	37.07 [33.46-40.93]	9.33 [7.33-11.63]	8.54 [6.68-10.73]	4.70 [3.14-6.64]	0.88 [0.58-1.07]	0.88 [0.57-1.25]	0.54 [0.36-0.78]	0.76 [0.49-1.08]	0.81 [0.55-1.11]	0.61 [0.42-0.86]	0.61 [0.45-0.84]	
	Hounslow	41.56 [37.52-45.73]	9.73 [7.52-12.12]	9.47 [7.35-11.82]	4.98 [3.29-7.15]	0.96 [0.68-1.29]	0.82 [0.52-1.22]	1.00 [0.65-1.44]	0.77 [0.51-1.11]	0.77 [0.56-1.17]	0.83 [0.43-0.91]	0.77 [0.55-1.04]	
	Islington	39.02 [35.30-43.05]	8.47 [6.57-10.57]	7.46 [5.73-9.50]	7.93 [5.66-10.32]	0.84 [0.60-1.15]	0.72 [0.46-1.12]	1.48 [1.02-2.05]	0.63 [0.43-0.94]				



		All causes	Self-harm	Road injuries	Drug use disorders	Epilepsy	Other malignant neoplasms	Interpersonal violence	Congenital birth defects	Leukemia	Other neurological disorders	Falls
East of England	Bedford	56.71 [50.72-63.50]	14.93 [11.96-18.48]	10.54 [7.89-13.55]	8.05 [5.46-11.24]	1.56 [1.06-2.12]	1.25 [0.86-1.83]	0.96 [0.64-1.40]	1.06 [0.75-1.46]	0.97 [0.66-1.36]	1.34 [0.91-1.86]	0.91 [0.64-1.22]
	Cambridgeshire	42.11 [37.71-46.32]	10.44 [8.36-12.80]	10.40 [8.25-12.95]	4.63 [3.09-6.64]	1.04 [0.74-1.39]	1.03 [0.69-1.44]	0.43 [0.28-0.63]	0.85 [0.58-1.18]	0.84 [0.56-1.20]	0.83 [0.58-1.15]	0.69 [0.50-0.91]
	Central Bedfordshire	50.77 [45.59-56.26]	13.24 [10.31-16.33]	11.80 [8.95-15.07]	5.47 [3.63-7.65]	1.26 [0.89-1.65]	1.20 [0.81-1.77]	0.64 [0.43-0.92]	1.02 [0.71-1.41]	0.93 [0.62-1.34]	1.02 [0.70-1.40]	0.88 [0.63-1.21]
	Essex	57.74 [52.36-63.30]	15.14 [12.19-18.50]	12.51 [9.63-15.57]	5.75 [3.81-8.26]	1.66 [1.17-2.21]	1.45 [1.00-2.09]	1.12 [0.77-1.58]	1.25 [0.85-1.73]	1.22 [0.83-1.74]	1.15 [0.79-1.63]	0.84 [0.59-1.13]
	Hertfordshire	41.71 [37.51-46.23]	10.60 [8.44-12.93]	9.17 [7.04-11.47]	4.39 [2.96-6.21]	0.92 [0.67-1.25]	1.12 [0.73-1.62]	0.71 [0.47-1.02]	0.92 [0.61-1.30]	0.95 [0.65-1.36]	0.93 [0.63-1.32]	0.74 [0.51-1.01]
	Luton	51.45 [46.18-56.92]	12.34 [9.60-15.74]	10.19 [7.74-12.84]	6.91 [4.62-9.90]	1.82 [1.16-2.54]	1.44 [0.95-2.11]	1.10 [0.74-1.63]	1.17 [0.72-1.71]	1.10 [0.61-1.37]	1.16 [0.74-1.66]	0.96 [0.68-1.32]
	Norfolk	71.29 [64.86-78.05]	17.47 [13.86-21.40]	16.81 [12.47-20.89]	9.73 [6.62-13.47]	1.64 [1.19-2.17]	1.62 [1.10-2.39]	0.89 [0.60-1.24]	1.43 [0.95-1.89]	1.35 [0.91-1.89]	1.50 [1.05-2.09]	1.09 [0.79-1.44]
	Peterborough	63.53 [57.15-70.85]	17.45 [13.70-22.19]	11.51 [8.73-14.87]	8.29 [5.64-11.81]	1.75 [1.17-2.43]	1.53 [1.01-2.42]	1.45 [0.98-2.08]	1.14 [0.79-1.63]	1.24 [0.83-1.82]	1.27 [0.87-1.83]	0.91 [0.64-1.26]
	Southend-on-Sea	78.73 [70.38-88.09]	21.28 [16.57-26.69]	11.05 [7.54-15.17]	14.09 [9.52-19.18]	3.00 [1.66-4.12]	1.84 [1.25-2.77]	1.63 [1.06-2.36]	1.54 [1.09-2.20]	1.54 [1.04-2.24]	1.32 [0.90-1.86]	1.06 [0.75-1.45]
	Suffolk	65.56 [59.29-72.49]	16.67 [13.18-20.40]	15.90 [11.86-19.86]	7.38 [4.85-10.51]	1.51 [1.05-2.00]	1.09 [0.73-1.58]	1.30 [0.89-1.78]	1.25 [0.89-1.78]	1.21 [0.82-1.68]	1.21 [0.82-1.68]	0.98 [0.70-1.34]
	Thurrock	48.74 [43.40-54.54]	11.78 [9.20-14.84]	10.72 [8.08-13.77]	4.48 [2.94-6.55]	1.58 [1.07-2.15]	1.33 [0.88-1.90]	1.08 [0.74-1.53]	1.08 [0.74-1.49]	1.09 [0.74-1.51]	0.78 [0.53-1.13]	0.73 [0.53-0.99]
	Bath and North East Somerset	32.78 [29.42-36.27]	7.54 [5.92-9.41]	6.96 [5.25-8.89]	5.91 [4.13-8.07]	0.57 [0.40-0.78]	0.79 [0.52-1.13]	0.53 [0.35-0.75]	0.64 [0.43-0.90]	0.63 [0.44-0.90]	0.61 [0.42-0.85]	0.55 [0.40-0.75]
	Bournemouth	42.63 [38.43-47.24]	10.70 [8.46-13.28]	7.57 [5.75-9.60]	8.81 [6.20-11.47]	0.92 [0.64-1.24]	0.83 [0.53-1.23]	0.63 [0.42-0.91]	0.72 [0.49-1.05]	0.79 [0.54-1.11]	0.87 [0.59-1.23]	0.65 [0.46-0.89]
South West	Bristol, City of	34.25 [30.87-38.01]	8.35 [6.68-10.40]	6.96 [5.37-8.95]	5.88 [4.12-8.04]	0.77 [0.55-1.03]	0.73 [0.47-1.09]	0.65 [0.43-0.94]	0.67 [0.46-0.94]	0.63 [0.42-0.89]	0.55 [0.37-0.79]	0.57 [0.41-0.79]
	Cornwall	72.85 [66.39-79.86]	20.37 [16.51-24.57]	14.86 [11.36-18.73]	8.01 [5.12-11.32]	1.78 [1.23-2.38]	1.61 [0.98-2.40]	1.52 [1.03-2.13]	1.39 [0.97-1.94]	1.35 [0.88-1.89]	1.32 [0.88-1.88]	1.33 [0.94-1.82]
	Devon	54.00 [49.00-59.53]	15.21 [12.22-18.38]	10.57 [8.03-13.27]	6.72 [4.51-9.50]	1.33 [0.95-1.79]	1.28 [0.87-1.80]	0.72 [0.48-1.03]	1.11 [0.76-1.54]	1.06 [0.71-1.50]	1.08 [0.74-1.54]	1.01 [0.73-1.35]
	Dorset	58.11 [52.76-64.04]	16.15 [12.51-19.60]	12.58 [9.75-15.77]	6.54 [4.42-9.19]	1.36 [0.96-1.80]	1.19 [0.76-1.80]	1.33 [0.88-1.90]	1.09 [0.73-1.55]	1.07 [0.68-1.53]	1.02 [0.67-1.46]	0.94 [0.67-1.27]
	Gloucestershire	61.19 [55.65-67.30]	16.56 [13.10-20.48]	13.82 [10.78-17.07]	7.20 [4.84-10.15]	1.43 [1.01-1.94]	1.27 [0.87-1.85]	1.05 [0.69-1.48]	1.25 [0.86-1.72]	1.15 [0.79-1.60]	1.13 [0.79-1.60]	1.06 [0.79-1.41]
	North Somerset	65.19 [58.66-72.30]	16.55 [12.93-20.59]	11.87 [8.18-15.89]	11.68 [8.18-15.89]	1.46 [1.05-1.97]	1.43 [0.96-2.10]	1.12 [0.74-1.64]	1.48 [0.94-2.01]	1.32 [0.89-1.86]	1.49 [1.00-2.08]	0.90 [0.64-1.22]
	Plymouth	44.11 [40.02-49.01]	10.41 [8.09-13.11]	7.58 [5.78-9.80]	8.97 [6.41-11.93]	0.92 [0.66-1.22]	1.45 [0.81-2.15]	0.86 [0.59-1.23]	0.91 [0.59-1.28]	0.82 [0.56-1.15]	0.82 [0.56-1.17]	0.84 [0.60-1.17]
	Poole	46.96 [42.24-52.17]	13.11 [10.36-16.08]	8.83 [6.75-11.29]	6.31 [4.39-8.75]	1.19 [0.82-1.62]	1.09 [0.74-1.54]	0.75 [0.50-1.08]	0.92 [0.62-1.27]	0.91 [0.61-1.28]	0.81 [0.55-1.13]	0.83 [0.60-1.12]
	Somerset	55.63 [50.19-61.31]	14.36 [11.25-17.63]	13.67 [10.88-16.93]	6.21 [4.08-8.74]	1.40 [0.99-1.88]	1.10 [0.73-1.57]	0.68 [0.46-0.96]	1.17 [0.76-1.61]	1.09 [0.73-1.53]	1.10 [0.75-1.51]	0.92 [0.66-1.25]
	South Gloucestershire	41.74 [37.54-46.68]	10.45 [8.22-12.86]	10.03 [7.82-12.58]	3.99 [2.61-6.02]	1.14 [0.76-1.39]	1.03 [0.67-1.63]	0.68 [0.44-1.01]	1.03 [0.63-1.42]	0.79 [0.61-1.27]	0.99 [0.55-1.12]	0.69 [0.49-0.95]
	Swindon	53.99 [48.32-60.00]	14.88 [11.47-18.56]	10.93 [8.25-13.93]	7.33 [4.80-10.62]	1.12 [0.83-1.52]	1.45 [0.93-2.16]	0.77 [0.52-1.09]	1.03 [0.73-1.45]	1.05 [0.73-1.46]	0.99 [0.68-1.38]	0.79 [0.56-1.06]
	Torbay	41.19 [36.96-45.84]	12.85 [10.03-15.76]	5.68 [4.09-8.41]	6.20 [4.19-8.77]	1.01 [0.71-1.35]	0.87 [0.60-1.26]	0.52 [0.34-0.77]	0.85 [0.58-1.20]	0.83 [0.57-1.16]	0.79 [0.54-1.12]	0.74 [0.51-1.01]
	Wiltshire	46.29 [42.13-50.95]	11.39 [8.94-14.11]	12.60 [9.91-15.38]	4.10 [2.74-5.97]	0.91 [0.67-1.23]	1.04 [0.70-1.51]	0.58 [0.38-0.83]	0.95 [0.65-1.32]	0.93 [0.63-1.29]	0.88 [0.61-1.23]	0.65 [0.46-0.88]
South East	Bracknell Forest	42.38 [37.53-47.85]	11.13 [8.72-13.73]	10.27 [7.93-12.80]	3.19 [2.02-4.70]	1.22 [0.85-1.65]	1.08 [0.69-1.60]	0.70 [0.47-1.01]	1.00 [0.62-1.41]	0.92 [0.64-1.30]	0.71 [0.49-1.00]	0.85 [0.61-1.16]
	Brighton and Hove	33.14 [29.96-36.70]	8.34 [6.61-10.36]	5.34 [3.96-7.01]	7.10 [5.09-9.30]	0.74 [0.53-1.00]	0.75 [0.49-1.09]	0.50 [0.32-0.71]	0.57 [0.39-0.89]	0.59 [0.39-0.90]	0.48 [0.31-0.73]	0.56 [0.40-0.77]
	Buckinghamshire	40.72 [36.70-44.80]	10.73 [8.55-13.36]	9.10 [7.00-11.46]	4.07 [2.61-5.79]	1.63 [0.95-2.21]	1.00 [0.67-1.46]	0.58 [0.39-0.83]	0.83 [0.57-1.16]	0.78 [0.53-1.11]	0.69 [0.49-0.95]	0.75 [0.54-1.02]
	East Sussex	63.89 [58.15-70.16]	18.53 [14.78-22.25]	12.46 [9.37-15.80]	8.27 [5.47-11.64]	1.73 [1.20-2.29]	1.34 [0.90-1.94]	1.09 [0.76-1.54]	1.49 [0.91-2.05]	1.19 [0.78-1.70]	1.01 [0.69-1.42]	1.03 [0.73-1.40]
	Hampshire	48.93 [44.55-53.70]	13.40 [10.82-16.40]	10.58 [7.99-13.21]	4.92 [3.26-7.12]	1.08 [0.79-1.44]	1.41 [0.93-2.02]	0.71 [0.47-1.05]	0.98 [0.68-1.43]	1.08 [0.73-1.50]	1.04 [0.73-1.49]	0.82 [0.60-1.09]
	Isle of Wight	70.70 [63.26-78.84]	22.20 [17.29-27.00]	11.33 [8.52-14.87]	8.89 [5.82-12.71]	1.52 [1.08-2.07]	1.63 [0.91-2.55]	2.21 [1.48-3.21]	1.55 [0.95-2.16]	1.32 [0.84-1.90]	1.14 [0.72-1.69]	0.93 [0.65-1.28]
	Kent	55.59 [50.86-60.99]	14.72 [11.81-17.89]	12.02 [9.55-14.96]	6.05 [3.91-8.63]	1.31 [0.93-1.77]	1.25 [0.84-1.79]	1.11 [0.72-1.59]	1.16 [0.78-1.63]	1.10 [0.72-1.53]	1.01 [0.69-1.40]	0.97 [0.71-1.28]
	Medway	41.11 [36.84-45.22]	10.43 [8.27-12.85]	7.79 [5.89-10.16]	6.22 [4.26-8.83]	1.19 [0.81-1.61]	1.26 [0.78-1.86]	0.80 [0.52-1.12]	0.89 [0.59-1.23]	0.79 [0.53-1.11]	0.87 [0.58-1.22]	0.63 [0.45-0.87]
	Milton Keynes	64.15 [57.54-71.34]	18.05 [14.26-22.58]	13.87 [10.45-17.48]	6.97 [4.45-9.89]	1.54 [1.11-2.05]	1.77 [1.13-2.66]	0.85 [0.57-1.22]	1.26 [0.87-1.77]	1.30 [0.86-1.88]	0.85 [0.59-1.22]	1.23 [0.88-1.64]
	Oxfordshire	35.94 [32.55-39.58]	9.31 [7.48-11.35]	8.22 [6.48-10.13]	3.72 [2.45-5.36]	0.92 [0.64-1.22]	0.93 [0.60-1.32]	0.57 [0.38-0.83]	0.72 [0.49-1.03]	0.80 [0.55-1.15]	0.78 [0.54-1.09]	0.57 [0.42-0.77]
	Portsmouth	34.05 [30.63-37.66]	9.37 [7.35-11.53]	6.09 [4.50-7.95]	5.26 [3.56-7.23]	1.06 [0.71-1.45]	0.91 [0.60-1.33]	0.32 [0.21-0.46]	0.63 [0.44-0.91]	0.65 [0.44-0.96]	0.52 [0.35-0.76]	0.54 [0.37-0.75]
	Reading	40.65 [36.68-44.88]	9.60 [7.36-11.95]	7.33 [5.50-9.32]	6.99 [4.76-9.43]	0.88 [0.64-1.19]	0.86 [0.59-1.25]	0.91 [0.60-1.34]	0.78 [0.53-1.08]	0.75 [0.51-1.06]	0.65 [0.46-0.93]	0.77 [0.56-1.06]
	Slough	55.41 [49.62-61.82]	14.76 [11.38-18.69]	10.21 [7.64-13.01]	6.88 [4.46-10.28]	1.24 [0.92-1.71]	1.35 [0.90-1.96]	1.38 [0.94-1.98]	1.24 [0.82-1.69]	0.96 [0.65-1.43]	0.86 [0.58-1.24]	0.95 [0.68-1.28]
	Southampton	31.74 [28.63-35.23]	8.36 [6.71-10.24]	7.15 [5.51-8.96]	4.39 [2.99-6.10]	0.98 [0.60-1.32]	0.86 [0.55-1.23]	0.35 [0.23-0.49]	0.58 [0.38-0.87]	0.58 [0.40-0.81]	0.43 [0.29-0.60]	0.55 [0.40-0.74]
	Surrey	48.51 [44.05-53.39]	12.59 [9.99-15.53]	10.55 [8.02-13.23]	4.55 [2.88-6.60]	1.39 [0.97-1.84]	1.25 [0.84-1.74]	0.91 [0.61-1.29]	1.15 [0.77-1.56]	1.03 [0.72-1.42]	0.94 [0.65-1.31]	0.80 [0.57-1.08]
	West Berkshire	45.23 [40.61-50.68]	12.16 [9.46-15.01]	10.90 [8.58-13.52]	3.99 [2.50-5.90]	0.65 [0.47-0.93]	1.16 [0.78-1.69]	0.97 [0.66-1.36]	1.05 [0.65-1.43]	0.90 [0.61-1.26]	0.63 [0.43-0.91]	0.74 [0.53-1.01]
	West Sussex	60.09 [54.59-66.23]	16.48 [12.99-20.19]	13.26 [10.27-16.84]	6.40 [4.19-9.35]	1.41 [1.00-1.86]	1.30 [0.88-1.87]	0.92 [0.62-1.31]	1.29 [0.84-1.78]	1.20 [0.80-1.68]	1.31 [0.88-1.83]	0.93 [0.66-1.27]
	Windsor and Maidenhead	40.51 [36.17-45.37]	10.27 [8.00-12.84]	9.13 [7.01-11.44]	4.47 [2.91-6.37]	1.17 [0.84-1.59]	0.92 [0.60-1.30]	0.62 [0.42-0.91]	0.84 [0.58-1.17]	0.73 [0.49-1.05]	0.74 [0.50-1.06]	0.66 [0.48-0.90]
	Wokingham	41.23 [36.60-46.53]	11.35 [8.83-13.83]	9.60 [7.37-12.41]	2.83 [1.82-4.32]	0.85 [0.61-1.14]	1.10 [0.75-1.58]	0.63 [0.42-0.91]	0.91 [0.61-1.29]	0.92 [0.61-1.34]	0.70 [0.46-1.02]	0.76 [0.54-1.02]

Table S13 Mortality rate per 100,000 with uncertainty intervals in 20-24 year old females for 150 upper tier local authorities compared with England for all-causes and top 10 causes of death in 2017

Females 20 to 24

Females 20 to 24		All causes	Self-harm	Road injuries	Drug use disorders	Epilepsy	Endocrine, metabolic, blood, and immune disorders	Congenital birth defects	Other malignant neoplasms	Leukemia	Brain and nervous system cancer	Lower respiratory infections	Mortality rate compared to England
													<div><div>Higher than England</div><div>Similar to England</div><div>Lower than England</div></div>
North East	County Durham	18.12 [16.37-20.02]	2.72 [2.02-3.40]	1.82 [1.31-2.45]	1.21 [0.80-1.73]	0.91 [0.67-1.22]	0.94 [0.53-1.40]	0.70 [0.49-1.03]	0.68 [0.46-1.00]	0.58 [0.41-0.81]	0.55 [0.37-0.78]	0.45 [0.32-0.63]	
	Darlington	16.85 [14.73-19.33]	2.66 [2.00-3.39]	1.79 [1.28-2.43]	1.66 [1.12-2.35]	1.04 [0.73-1.42]	0.76 [0.42-1.14]	0.61 [0.44-0.88]	0.55 [0.35-0.81]	0.50 [0.34-0.71]	0.41 [0.27-0.59]	0.39 [0.26-0.56]	
	Gateshead	17.11 [15.25-19.29]	2.22 [1.67-2.91]	1.64 [1.14-2.17]	2.44 [1.71-3.28]	0.73 [0.53-1.00]	0.77 [0.47-1.11]	0.57 [0.38-0.91]	0.58 [0.37-0.83]	0.51 [0.34-0.73]	0.42 [0.28-0.62]	0.44 [0.30-0.63]	
	Hartlepool	17.57 [15.46-19.92]	2.23 [1.64-2.87]	1.50 [1.07-2.02]	2.12 [1.47-2.94]	0.86 [0.61-1.20]	0.80 [0.47-1.17]	0.72 [0.50-1.01]	0.60 [0.38-0.90]	0.55 [0.38-0.79]	0.39 [0.26-0.57]	0.50 [0.35-0.74]	
	Middlesbrough	20.45 [18.11-23.12]	3.28 [2.47-4.23]	1.91 [1.34-2.59]	2.08 [1.41-2.85]	0.98 [0.69-1.29]	0.85 [0.45-1.31]	0.79 [0.56-1.13]	0.63 [0.42-0.93]	0.62 [0.42-0.87]	0.45 [0.30-0.64]	0.58 [0.40-0.79]	
	Newcastle upon Tyne	13.51 [12.15-15.02]	2.04 [1.54-2.60]	1.39 [1.02-1.86]	1.56 [1.08-2.13]	0.72 [0.52-0.96]	0.70 [0.43-1.02]	0.48 [0.33-0.71]	0.44 [0.27-0.65]	0.41 [0.28-0.60]	0.37 [0.24-0.53]	0.30 [0.21-0.41]	
	North Tyneside	19.33 [17.22-21.55]	3.15 [2.42-3.98]	1.79 [1.25-2.39]	1.92 [1.32-2.62]	0.92 [0.65-1.25]	0.83 [0.51-1.25]	0.67 [0.47-1.01]	0.66 [0.43-0.99]	0.57 [0.39-0.83]	0.57 [0.36-0.81]	0.49 [0.34-0.70]	
	Northumberland	10.00 [8.97-11.20]	1.63 [1.24-2.06]	1.01 [0.74-1.38]	0.79 [0.55-1.10]	0.45 [0.33-0.61]	0.47 [0.30-0.70]	0.42 [0.29-0.57]	0.34 [0.21-0.49]	0.31 [0.20-0.45]	0.32 [0.21-0.47]	0.24 [0.16-0.34]	
	Redcar and Cleveland	14.43 [12.70-16.20]	1.99 [1.47-2.60]	1.69 [1.20-2.27]	1.16 [0.78-1.65]	0.67 [0.47-0.90]	0.65 [0.40-0.98]	0.54 [0.37-0.81]	0.52 [0.33-0.77]	0.46 [0.31-0.64]	0.42 [0.28-0.60]	0.40 [0.27-0.56]	
	South Tyneside	18.12 [16.03-20.35]	2.40 [1.81-3.08]	1.48 [1.06-2.00]	2.03 [1.42-2.87]	0.95 [0.68-1.26]	0.95 [0.48-1.47]	0.70 [0.49-1.01]	0.62 [0.42-0.89]	0.51 [0.35-0.73]	0.55 [0.36-0.79]	0.47 [0.32-0.66]	
	Stockton-on-Tees	11.07 [9.80-12.41]	1.64 [1.24-2.09]	1.08 [0.78-1.49]	1.21 [0.82-1.66]	0.43 [0.31-0.58]	0.53 [0.29-0.80]	0.43 [0.31-0.61]	0.43 [0.29-0.66]	0.36 [0.26-0.51]	0.31 [0.21-0.44]	0.31 [0.21-0.46]	
	Sunderland	19.41 [17.37-21.70]	2.88 [2.22-3.68]	1.86 [1.33-2.47]	1.41 [0.97-2.03]	1.16 [0.84-1.55]	0.85 [0.51-1.27]	0.67 [0.45-1.06]	0.66 [0.42-0.96]	0.57 [0.39-0.81]	0.50 [0.33-0.70]	0.55 [0.38-0.78]	
North West	Blackburn with Darwen	21.91 [19.57-24.54]	4.48 [3.51-5.56]	1.86 [1.31-2.48]	3.04 [2.16-4.09]	0.83 [0.59-1.13]	0.68 [0.33-1.03]	0.73 [0.46-1.13]	0.63 [0.38-0.99]	0.50 [0.32-0.73]	0.39 [0.25-0.57]	0.54 [0.35-0.77]	
	Blackpool	21.65 [19.36-24.18]	3.60 [2.71-4.57]	1.65 [1.18-2.25]	3.61 [2.60-4.77]	1.02 [0.72-1.35]	0.76 [0.49-1.13]	0.74 [0.52-1.04]	0.61 [0.40-0.89]	0.54 [0.37-0.76]	0.45 [0.31-0.64]	0.50 [0.34-0.71]	
	Bolton	25.48 [22.82-28.18]	4.09 [3.14-5.16]	2.53 [1.82-3.35]	3.04 [2.18-4.03]	1.05 [0.77-1.39]	1.10 [0.69-1.62]	0.93 [0.65-1.37]	0.83 [0.55-1.21]	0.75 [0.53-1.07]	0.67 [0.45-0.94]	0.69 [0.48-0.98]	
	Bury	20.01 [17.84-22.30]	3.29 [2.53-4.20]	1.89 [1.36-2.56]	1.89 [1.31-2.66]	0.94 [0.68-1.25]	0.86 [0.54-1.27]	0.73 [0.51-1.09]	0.65 [0.42-0.94]	0.60 [0.41-0.87]	0.54 [0.36-0.76]	0.51 [0.35-0.73]	
	Cheshire East	26.46 [23.98-29.37]	4.22 [3.25-5.35]	3.27 [2.35-4.30]	2.24 [1.51-3.09]	1.56 [1.11-2.05]	0.97 [0.57-1.41]	1.02 [0.70-1.46]	0.80 [0.53-1.15]	0.81 [0.55-1.12]	0.71 [0.47-1.04]	0.62 [0.41-0.88]	
	Cheshire West and Chester	30.95 [27.76-34.41]	5.27 [4.10-6.77]	3.30 [2.34-4.35]	3.02 [2.09-4.16]	1.33 [0.97-1.78]	1.25 [0.75-1.84]	1.13 [0.79-1.68]	0.94 [0.60-1.37]	1.02 [0.70-1.40]	0.84 [0.56-1.20]	0.74 [0.50-1.04]	
	Cumbria	29.59 [26.68-32.57]	4.65 [3.53-5.88]	3.66 [2.68-4.71]	2.84 [1.95-3.88]	1.29 [0.94-1.71]	1.08 [0.62-1.60]	1.10 [0.77-1.57]	0.94 [0.62-1.40]	0.83 [0.56-1.16]	0.84 [0.53-1.20]	0.59 [0.41-0.85]	
	Halton	24.92 [22.10-28.20]	3.24 [2.39-4.22]	2.09 [1.54-2.83]	2.45 [1.67-3.51]	1.55 [1.11-2.08]	1.12 [0.71-1.63]	0.95 [0.68-1.38]	0.93 [0.60-1.36]	0.79 [0.53-1.11]	0.69 [0.45-1.00]	0.78 [0.53-1.10]	
	Knowsley	15.37 [13.81-17.18]	1.59 [1.19-2.08]	1.49 [1.08-2.02]	1.50 [1.02-2.06]	1.15 [0.78-1.55]	0.76 [0.49-1.13]	0.67 [0.46-0.92]	0.52 [0.32-0.75]	0.46 [0.32-0.69]	0.45 [0.29-0.64]	0.47 [0.33-0.67]	
	Lancashire	26.22 [23.79-28.75]	4.85 [3.77-6.02]	2.47 [1.80-3.27]	2.70 [1.85-3.70]	1.42 [0.99-1.86]	0.98 [0.61-1.45]	1.00 [0.71-1.36]	0.78 [0.50-1.08]	0.73 [0.51-1.00]	0.61 [0.40-0.87]	0.64 [0.45-0.89]	
	Liverpool	16.83 [15.28-18.63]	1.97 [1.50-2.52]	1.70 [1.25-2.27]	2.63 [1.90-3.53]	0.84 [0.60-1.13]	0.80 [0.51-1.18]	0.61 [0.43-0.88]	0.53 [0.34-0.78]	0.49 [0.34-0.71]	0.40 [0.26-0.60]	0.49 [0.33-0.70]	
	Manchester	8.94 [8.08-9.83]	1.45 [1.10-1.85]	0.94 [0.68-1.28]	1.12 [0.79-1.50]	0.36 [0.26-0.49]	0.44 [0.29-0.67]	0.30 [0.21-0.47]	0.29 [0.18-0.46]	0.24 [0.17-0.35]	0.22 [0.14-0.36]	0.20 [0.13-0.27]	
	Oldham	19.00 [17.02-21.14]	2.98 [2.26-3.78]	1.81 [1.32-2.45]	2.05 [1.42-2.80]	1.03 [0.73-1.39]	0.93 [0.59-1.38]	0.69 [0.48-1.07]	0.64 [0.40-0.95]	0.50 [0.34-0.74]	0.51 [0.32-0.74]	0.39 [0.27-0.56]	
	Rochdale	29.44 [26.49-32.55]	4.45 [3.41-5.60]	2.49 [1.78-3.36]	4.15 [2.96-5.56]	1.61 [1.14-2.17]	1.25 [0.68-1.88]	1.09 [0.78-1.58]	0.86 [0.56-1.19]	0.78 [0.53-1.12]	0.58 [0.38-0.85]	0.75 [0.50-1.09]	
	Salford	20.93 [18.77-23.28]	3.16 [2.45-4.04]	2.19 [1.56-2.99]	2.14 [1.49-2.97]	1.01 [0.73-1.37]	0.94 [0.61-1.40]	0.82 [0.59-1.15]	0.68 [0.43-0.97]	0.57 [0.40-0.83]	0.59 [0.38-0.83]	0.52 [0.35-0.72]	
	Sefton	42.50 [38.20-46.91]	6.80 [5.21-8.58]	4.01 [2.85-5.38]	4.56 [3.15-6.35]	2.46 [1.72-3.37]	1.77 [1.05-2.65]	1.71 [1.21-2.42]	1.23 [0.78-1.72]	1.28 [0.85-1.85]	1.16 [0.78-1.66]	1.09 [0.74-1.52]	
	St. Helens	17.98 [16.14-20.16]	1.93 [1.42-2.53]	1.95 [1.38-2.59]	1.57 [1.08-2.22]	0.98 [0.71-1.35]	1.04 [0.65-1.49]	0.71 [0.49-1.10]	0.64 [0.40-0.96]	0.57 [0.40-0.82]	0.49 [0.30-0.73]	0.56 [0.38-0.80]	
	Stockport	27.08 [24.40-30.17]	4.89 [3.79-6.14]	2.47 [1.75-3.31]	2.79 [1.89-3.89]	1.54 [1.08-2.06]	1.07 [0.65-1.55]	1.05 [0.76-1.48]	0.87 [0.57-1.27]	0.89 [0.61-1.20]	0.72 [0.49-1.02]	0.61 [0.40-0.88]	
	Tameside	24.47 [21.91-27.26]	3.84 [2.88-4.94]	2.29 [1.64-3.15]	2.85 [1.92-3.99]	1.35 [0.97-1.77]	1.06 [0.70-1.56]	0.96 [0.68-1.38]	0.83 [0.52-1.18]	0.67 [0.47-0.98]	0.65 [0.42-0.93]	0.58 [0.40-0.80]	
	Trafford	29.23 [26.02-32.51]	5.38 [4.17-6.84]	2.70 [1.84-3.67]	3.01 [2.08-4.16]	1.18 [0.84-1.57]	1.16 [0.64-1.74]	1.07 [0.74-1.60]	0.92 [0.58-1.40]	0.90 [0.60-1.25]	0.70 [0.47-0.99]	0.60 [0.41-0.84]	
	Warrington	25.79 [23.01-28.77]	3.90 [2.95-4.88]	2.44 [1.73-3.20]	2.54 [1.76-3.52]	1.48 [1.07-1.98]	1.06 [0.71-1.60]	1.01 [0.70-1.42]	0.87 [0.56-1.24]	0.75 [0.53-1.08]	0.69 [0.47-0.98]	0.79 [0.55-1.12]	
	Wigan	26.89 [24.11-29.73]	5.17 [4.08-6.46]	2.48 [1.75-3.37]	2.62 [1.80-3.57]	1.19 [0.85-1.56]	1.05 [0.67-1.56]	0.99 [0.69-1.46]	0.86 [0.55-1.22]	0.76 [0.53-1.07]	0.66 [0.45-0.94]	0.73 [0.50-1.02]	
	Wirral	26.40 [23.82-29.28]	4.12 [3.12-5.21]	2.31 [1.67-3.08]	3.07 [2.12-4.17]	1.45 [1.03-1.89]	1.14 [0.65-1.70]	1.03 [0.75-1.48]	0.80 [0.51-1.12]	0.79 [0.54-1.10]	0.66 [0.45-0.93]	0.68 [0.47-0.96]	
Yorkshire & Humber	Barnsley	23.76 [21.11-26.53]	3.37 [2.51-4.32]	2.13 [1.51-2.83]	2.54 [1.74-3.56]	1.58 [1.10-2.16]	1.03 [0.67-1.55]	0.86 [0.60-1.30]	0.86 [0.58-1.24]	0.75 [0.52-1.08]	0.68 [0.44-0.96]	0.61 [0.42-0.89]	
	Bradford	21.37 [19.33-23.63]	3.51 [2.71-4.42]	2.12 [1.56-2.83]	1.97 [1.38-2.75]	1.09 [0.77-1.45]	1.03 [0.62-1.50]	0.84 [0.60-1.15]	0.74 [0.49-1.07]	0.66 [0.46-0.96]	0.56 [0.36-0.79]	0.51 [0.35-0.75]	
	Calderdale	37.97 [33.91-42.10]	7.13 [5.45-8.92]	3.93 [2.85-5.20]	4.22 [2.80-5.84]	1.89 [1.32-2.56]	1.55 [0.75-2.41]	1.24 [0.86-1.95]	1.20 [0.77-1.79]	1.00 [0.68-1.40]	0.96 [0.60-1.41]	0.95 [0.64-1.31]	
	Doncaster	21.78 [19.56-24.08]	3.29 [2.51-4.16]	2.18 [1.58-2.91]	1.45 [0.99-2.06]	1.22 [0.89-1.65]	1.10 [0.66-1.63]	0.89 [0.63-1.22]	0.79 [0.53-1.15]	0.68 [0.49-0.99]	0.69 [0.46-0.96]	0.58 [0.41-0.80]	
	East Riding of Yorkshire	30.22 [27.38-33.59]	4.77 [3.65-6.12]	3.67 [2.66-4.80]	1.94 [1.32-2.77]	1.61 [1.18-2.14]	1.34 [0.67-2.07]	1.30 [0.87-1.77]	0.98 [0.66-1.41]	0.99 [0.69-1.35]	1.01 [0.57-1.49]	0.75 [0.51-1.06]	
	Kingston upon Hull	20.71 [18.65-23.11]	3.31 [2.50-4.18]	1.84 [1.31-2.45]	2.21 [1.53-3.05]	1.38 [0.94-1.83]	0.94 [0.59-1.37]	0.70 [0.49-1.06]					

		All causes	Self-harm	Road injuries	Drug use disorders	Epilepsy	Endocrine, metabolic, blood, and immune disorders	Congenital birth defects	Other malignant neoplasms	Leukemia	Brain and nervous system cancer	Lower respiratory infections
East Midlands	Derby	9.84 [8.78-10.97]	1.40 [1.05-1.80]	1.04 [0.73-1.47]	0.84 [0.57-1.16]	0.52 [0.38-0.70]	0.48 [0.29-0.69]	0.36 [0.25-0.53]	0.35 [0.23-0.52]	0.29 [0.20-0.42]	0.26 [0.17-0.37]	0.27 [0.18-0.38]
	Derbyshire	14.59 [13.05-16.15]	1.96 [1.47-2.52]	1.69 [1.25-2.25]	0.95 [0.64-1.37]	0.78 [0.55-1.05]	0.74 [0.48-1.06]	0.58 [0.41-0.81]	0.58 [0.39-0.83]	0.49 [0.34-0.70]	0.47 [0.29-0.66]	0.35 [0.24-0.49]
	Leicester	15.22 [13.64-16.88]	2.42 [1.83-3.03]	1.60 [1.15-2.11]	1.33 [0.92-1.82]	0.79 [0.56-1.05]	0.79 [0.50-1.18]	0.58 [0.42-0.80]	0.53 [0.33-0.76]	0.44 [0.31-0.64]	0.38 [0.25-0.57]	0.39 [0.27-0.54]
	Leicestershire	14.59 [13.12-16.25]	2.19 [1.67-2.79]	1.93 [1.46-2.56]	0.76 [0.51-1.08]	0.58 [0.42-0.79]	0.79 [0.52-1.19]	0.56 [0.39-0.86]	0.68 [0.43-1.01]	0.54 [0.38-0.80]	0.54 [0.34-0.77]	0.34 [0.24-0.49]
	Lincolnshire	21.87 [19.77-24.17]	3.38 [2.62-4.28]	3.39 [2.56-4.40]	1.28 [0.85-1.84]	1.00 [0.73-1.34]	0.99 [0.56-1.46]	0.80 [0.59-1.15]	0.74 [0.49-1.05]	0.69 [0.48-0.98]	0.65 [0.43-0.92]	0.48 [0.33-0.66]
	Northamptonshire	13.77 [12.33-15.34]	1.92 [1.43-2.45]	1.80 [1.31-2.35]	1.26 [0.88-1.74]	0.64 [0.46-0.86]	0.70 [0.42-1.05]	0.50 [0.36-0.71]	0.49 [0.33-0.70]	0.44 [0.30-0.63]	0.40 [0.27-0.58]	0.31 [0.21-0.43]
	Nottingham	15.96 [14.31-17.73]	2.58 [2.03-3.23]	1.76 [1.28-2.37]	0.78 [0.52-1.12]	0.75 [0.53-1.00]	0.91 [0.59-1.32]	0.55 [0.38-0.89]	0.63 [0.40-0.90]	0.48 [0.32-0.70]	0.48 [0.30-0.70]	0.37 [0.25-0.53]
	Nottinghamshire	19.93 [17.92-22.15]	2.99 [2.27-3.79]	2.64 [1.94-3.46]	1.02 [0.68-1.44]	0.95 [0.69-1.25]	0.97 [0.60-1.42]	0.78 [0.57-1.08]	0.77 [0.52-1.12]	0.63 [0.44-0.92]	0.62 [0.42-0.89]	0.48 [0.33-0.67]
	Rutland	15.11 [12.92-17.71]	2.57 [1.92-3.32]	2.59 [1.90-3.40]	0.46 [0.30-0.68]	0.63 [0.44-0.88]	0.70 [0.45-1.04]	0.62 [0.40-0.87]	0.49 [0.30-0.72]	0.39 [0.26-0.58]	0.57 [0.34-0.87]	0.36 [0.23-0.52]
	West Midlands	Birmingham	29.47 [26.80-32.41]	4.25 [3.29-5.33]	3.01 [2.15-3.95]	2.60 [1.80-3.62]	1.56 [1.12-2.12]	1.69 [1.07-2.50]	1.09 [0.75-1.62]	1.08 [0.70-1.58]	0.89 [0.61-1.30]	0.80 [0.50-1.21]
Coventry		19.21 [17.13-21.43]	2.89 [2.19-3.68]	1.66 [1.21-2.25]	1.69 [1.15-2.37]	1.20 [0.85-1.63]	1.02 [0.55-1.54]	0.72 [0.52-0.98]	0.67 [0.44-0.94]	0.60 [0.40-0.88]	0.50 [0.33-0.72]	0.41 [0.28-0.59]
Dudley		25.42 [22.84-28.55]	3.68 [2.77-4.71]	2.50 [1.79-3.38]	1.64 [1.07-2.40]	1.44 [1.03-1.94]	1.57 [0.81-2.38]	1.13 [0.78-1.53]	0.88 [0.56-1.27]	0.83 [0.58-1.18]	0.69 [0.47-0.98]	0.62 [0.42-0.87]
Herefordshire, County of		44.06 [39.52-49.52]	8.59 [6.74-10.68]	5.64 [3.97-7.57]	2.94 [1.94-4.27]	1.57 [1.13-2.08]	1.87 [0.90-2.89]	1.80 [1.18-2.53]	1.33 [0.86-1.97]	1.51 [1.03-2.10]	1.26 [0.76-1.83]	0.83 [0.55-1.16]
Sandwell		34.33 [30.70-38.27]	5.08 [3.90-6.41]	3.31 [2.32-4.52]	1.99 [1.34-2.85]	2.01 [1.45-2.67]	2.04 [0.89-3.28]	1.41 [1.00-1.95]	1.03 [0.68-1.44]	1.12 [0.76-1.55]	1.10 [0.54-1.14]	0.86 [0.58-1.22]
Shropshire		35.18 [31.56-39.24]	5.15 [3.94-6.61]	5.34 [4.00-6.90]	2.54 [1.71-3.64]	1.78 [1.29-2.40]	1.21 [0.77-1.76]	1.41 [1.00-1.94]	1.25 [0.83-1.98]	1.12 [0.76-1.54]	1.10 [0.67-1.64]	0.81 [0.54-1.20]
Solihull		19.77 [17.50-22.23]	3.14 [2.45-4.04]	2.08 [1.52-2.75]	1.36 [0.93-1.91]	0.68 [0.48-0.93]	0.92 [0.55-1.35]	0.81 [0.58-1.11]	0.80 [0.53-1.19]	0.70 [0.49-0.98]	0.67 [0.44-0.94]	0.45 [0.31-0.64]
Staffordshire		35.62 [32.40-39.24]	5.79 [4.41-7.41]	3.84 [2.77-5.06]	2.68 [1.81-3.87]	2.04 [1.51-2.71]	1.60 [0.89-2.36]	1.39 [1.01-1.94]	1.20 [0.82-1.75]	1.11 [0.78-1.52]	0.96 [0.65-1.36]	0.84 [0.57-1.14]
Stoke-on-Trent		32.91 [29.47-36.73]	4.11 [3.09-5.29]	3.40 [2.44-4.54]	3.77 [2.58-5.23]	1.74 [1.25-2.36]	1.40 [0.76-2.11]	1.36 [0.91-1.86]	1.17 [0.77-1.81]	0.90 [0.62-1.24]	0.85 [0.57-1.19]	0.77 [0.52-1.06]
Telford and Wrekin		35.18 [31.02-39.53]	4.78 [3.53-6.20]	3.48 [2.52-4.65]	2.91 [2.00-4.22]	2.10 [1.48-2.81]	1.55 [0.96-2.26]	1.33 [0.94-1.93]	1.38 [0.93-2.10]	1.14 [0.79-1.59]	0.99 [0.67-1.40]	0.84 [0.57-1.17]
Greater London	Walsall	21.20 [19.01-23.74]	2.83 [2.18-3.64]	1.96 [1.38-2.65]	1.79 [1.19-2.53]	1.24 [0.87-1.64]	1.32 [0.69-2.03]	0.82 [0.58-1.20]	0.77 [0.52-1.10]	0.66 [0.47-0.93]	0.58 [0.38-0.82]	0.54 [0.37-0.78]
	Warwickshire	28.54 [25.70-31.59]	4.69 [3.60-5.90]	3.32 [2.37-4.37]	1.75 [1.16-2.43]	1.46 [1.04-1.95]	1.26 [0.64-1.91]	1.17 [0.78-1.64]	0.94 [0.61-1.42]	0.94 [0.64-1.28]	0.78 [0.52-1.13]	0.76 [0.50-1.08]
	Wolverhampton	22.89 [20.46-25.36]	3.27 [2.45-4.23]	2.28 [1.64-3.04]	1.31 [0.87-1.86]	1.46 [1.04-1.92]	1.34 [0.68-2.03]	0.92 [0.65-1.26]	0.86 [0.58-1.23]	0.71 [0.49-1.02]	0.61 [0.41-0.86]	0.60 [0.41-0.87]
	Worcestershire	28.83 [25.91-31.77]	4.67 [3.60-5.88]	3.46 [2.52-4.56]	1.64 [1.10-2.30]	1.42 [1.03-1.91]	1.36 [0.78-2.06]	1.12 [0.81-1.57]	0.97 [0.66-1.36]	0.94 [0.65-1.30]	0.86 [0.59-1.22]	0.73 [0.49-1.05]
	Barking and Dagenham	21.22 [18.84-23.82]	2.41 [1.79-3.15]	2.09 [1.51-2.80]	2.12 [1.46-2.95]	1.14 [0.80-1.51]	1.02 [0.61-1.51]	0.79 [0.56-1.12]	0.86 [0.58-1.28]	0.69 [0.47-0.95]	0.63 [0.42-0.90]	0.64 [0.44-0.88]
	Barnet	16.00 [14.45-17.71]	2.94 [2.34-3.69]	1.85 [1.36-2.46]	1.33 [0.90-1.85]	0.69 [0.49-0.92]	0.60 [0.39-0.94]	0.56 [0.37-0.79]	0.50 [0.31-0.71]	0.55 [0.37-0.76]	0.43 [0.27-0.63]	0.42 [0.28-0.59]
	Bexley	10.55 [9.43-11.69]	1.55 [1.20-1.99]	1.31 [0.96-1.74]	0.64 [0.43-0.93]	0.39 [0.27-0.52]	0.52 [0.34-0.78]	0.38 [0.25-0.62]	0.43 [0.27-0.60]	0.40 [0.27-0.56]	0.33 [0.21-0.47]	0.25 [0.16-0.36]
	Brent	13.95 [12.48-15.50]	2.14 [1.63-2.68]	1.38 [1.00-1.87]	1.34 [0.94-1.91]	0.50 [0.36-0.67]	0.54 [0.35-0.84]	0.53 [0.37-0.74]	0.45 [0.28-0.64]	0.48 [0.33-0.67]	0.39 [0.25-0.55]	0.34 [0.23-0.47]
	Bromley	18.08 [16.24-20.06]	3.18 [2.46-3.97]	1.90 [1.37-2.54]	1.27 [0.87-1.80]	1.02 [0.71-1.35]	0.74 [0.47-1.07]	0.67 [0.46-0.99]	0.61 [0.39-0.89]	0.68 [0.45-0.92]	0.56 [0.36-0.81]	0.46 [0.31-0.67]
	Camden	13.17 [11.82-14.68]	2.57 [2.03-3.17]	1.02 [0.73-1.33]	2.68 [2.04-3.38]	0.48 [0.35-0.64]	0.46 [0.30-0.73]	0.31 [0.22-0.51]	0.35 [0.21-0.51]	0.35 [0.24-0.48]	0.32 [0.21-0.48]	0.23 [0.16-0.34]
	Croydon	16.22 [14.68-18.05]	2.60 [2.03-3.31]	1.68 [1.21-2.24]	0.89 [0.57-1.27]	0.91 [0.65-1.17]	0.70 [0.47-1.07]	0.61 [0.44-0.86]	0.58 [0.38-0.83]	0.52 [0.35-0.75]	0.48 [0.32-0.68]	0.43 [0.30-0.60]
	Ealing	12.12 [10.86-13.49]	1.89 [1.47-2.40]	1.26 [0.91-1.67]	1.16 [0.81-1.58]	0.63 [0.45-0.85]	0.60 [0.39-0.88]	0.39 [0.27-0.63]	0.38 [0.24-0.60]	0.36 [0.25-0.51]	0.33 [0.20-0.51]	0.35 [0.24-0.49]
	Enfield	15.42 [13.81-17.27]	2.57 [1.97-3.26]	1.63 [1.19-2.18]	1.15 [0.78-1.64]	0.86 [0.62-1.15]	0.73 [0.47-1.07]	0.52 [0.36-0.82]	0.52 [0.33-0.74]	0.53 [0.36-0.75]	0.48 [0.31-0.67]	0.41 [0.28-0.60]
	Greenwich	16.80 [15.14-18.68]	2.82 [2.20-3.59]	1.64 [1.23-2.19]	1.61 [1.12-2.21]	0.73 [0.53-0.97]	0.70 [0.46-1.06]	0.60 [0.43-0.87]	0.60 [0.39-0.85]	0.54 [0.38-0.75]	0.46 [0.29-0.64]	0.41 [0.27-0.58]
	Hackney	17.87 [16.03-19.87]	2.43 [1.86-3.15]	1.55 [1.12-2.10]	2.47 [1.79-3.33]	0.83 [0.61-1.12]	0.84 [0.50-1.21]	0.50 [0.34-0.80]	0.58 [0.38-0.86]	0.54 [0.38-0.78]	0.49 [0.31-0.79]	0.40 [0.28-0.57]
	Hammersmith and Fulham	15.66 [13.93-17.47]	2.61 [2.02-3.27]	1.42 [1.03-1.91]	2.57 [1.88-3.42]	0.53 [0.39-0.71]	0.66 [0.43-0.99]	0.44 [0.31-0.69]	0.48 [0.30-0.70]	0.40 [0.28-0.59]	0.38 [0.24-0.58]	0.31 [0.21-0.43]
	Haringey	18.31 [16.42-20.47]	2.95 [2.28-3.70]	1.77 [1.27-2.35]	1.79 [1.22-2.44]	0.78 [0.56-1.05]	0.77 [0.47-1.15]	0.56 [0.38-0.88]	0.57 [0.37-0.81]	0.52 [0.37-0.73]	0.47 [0.31-0.67]	0.45 [0.31-0.65]
	Harrow	12.43 [11.13-13.88]	2.40 [1.86-2.98]	1.25 [0.90-1.67]	0.77 [0.50-1.09]	0.51 [0.37-0.68]	0.49 [0.32-0.76]	0.47 [0.33-0.66]	0.40 [0.25-0.57]	0.47 [0.31-0.65]	0.35 [0.23-0.50]	0.28 [0.19-0.39]
	Havering	31.71 [28.40-35.58]	4.35 [3.21-5.68]	3.56 [2.51-4.83]	1.35 [0.89-1.96]	1.49 [1.07-1.99]	1.44 [0.90-2.20]	1.40 [0.99-1.91]	1.11 [0.68-1.58]	1.19 [0.80-1.66]	1.10 [0.72-1.61]	1.04 [0.70-1.45]
	Hillingdon	25.65 [23.01-28.28]	4.41 [3.41-5.53]	2.63 [1.85-3.53]	2.32 [1.65-3.21]	1.17 [0.84-1.56]	1.11 [0.71-1.67]	0.94 [0.68-1.31]	0.89 [0.58-1.29]	0.84 [0.56-1.16]	0.80 [0.54-1.16]	0.66 [0.44-0.96]
	Hounslow	15.72 [14.00-17.61]	2.53 [1.92-3.26]	1.70 [1.23-2.21]	1.78 [1.24-2.47]	0.61 [0.45-0.83]	0.77 [0.46-1.15]	0.55 [0.39-0.76]	0.51 [0.32-0.71]	0.47 [0.32-0.65]	0.43 [0.28-0.62]	0.38 [0.26-0.53]
	Islington	17.90 [16.04-20.03]	2.93 [2.25-3.69]	1.49 [1.06-1.97]	3.15 [2.29-4.11]	0.75 [0.54-1.02]	0.66 [0.44-0.99]	0.50 [0.35-0.74]	0.51 [0.33-0.72]	0.51 [0.36-0.71]	0.41 [0.26-0.59]	0.40 [0.27-0.56]
	Kensington and Chelsea	14.62 [13.00-16.33]	3.57 [2.89-4.33]									



		All causes	Self-harm	Road injuries	Drug use disorders	Epilepsy	Endocrine, metabolic, blood, and immune disorders	Congenital birth defects	Other malignant neoplasms	Leukemia	Brain and nervous system cancer	Lower respiratory infections
East of England	Bedford	22.58 [20.02-25.43]	3.59 [2.74-4.60]	2.70 [1.98-3.59]	1.68 [1.10-2.37]	1.22 [0.85-1.68]	1.13 [0.74-1.71]	0.81 [0.56-1.26]	0.87 [0.56-1.30]	0.62 [0.41-0.90]	0.76 [0.47-1.09]	0.44 [0.30-0.63]
	Cambridgeshire	21.15 [18.99-23.25]	3.49 [2.62-4.36]	2.97 [2.17-3.89]	1.70 [1.16-2.36]	0.98 [0.70-1.31]	1.05 [0.66-1.52]	0.72 [0.49-1.06]	0.76 [0.50-1.08]	0.66 [0.47-0.92]	0.70 [0.43-1.02]	0.43 [0.30-0.59]
	Central Bedfordshire	17.85 [15.83-19.96]	2.30 [1.77-2.98]	2.07 [1.53-2.78]	1.48 [1.02-2.09]	1.06 [0.73-1.41]	0.91 [0.58-1.31]	0.64 [0.45-1.00]	0.70 [0.48-1.02]	0.57 [0.38-0.84]	0.61 [0.38-0.86]	0.42 [0.29-0.61]
	Essex	27.90 [25.40-30.70]	4.50 [3.48-5.66]	2.80 [2.05-3.67]	1.97 [1.33-2.73]	1.66 [1.18-2.19]	1.40 [0.75-2.08]	1.07 [0.77-1.50]	0.97 [0.64-1.37]	0.94 [0.65-1.31]	0.92 [0.60-1.30]	0.64 [0.46-0.89]
	Hertfordshire	16.74 [15.09-18.59]	2.50 [1.94-3.12]	1.93 [1.42-2.60]	1.17 [0.80-1.68]	0.86 [0.62-1.13]	0.80 [0.52-1.23]	0.62 [0.44-0.92]	0.64 [0.40-0.94]	0.56 [0.39-0.81]	0.61 [0.38-0.87]	0.45 [0.31-0.65]
	Luton	22.51 [19.96-25.17]	3.10 [2.34-3.99]	1.96 [1.39-2.65]	2.10 [1.42-2.92]	1.61 [1.03-2.19]	1.42 [0.76-2.18]	0.79 [0.55-1.17]	0.73 [0.45-1.09]	0.69 [0.46-1.04]	0.56 [0.35-0.85]	0.58 [0.40-0.82]
	Norfolk	22.78 [20.47-25.21]	3.48 [2.61-4.33]	3.03 [2.23-3.95]	2.46 [1.68-3.35]	1.04 [0.75-1.39]	0.98 [0.58-1.43]	0.83 [0.59-1.13]	0.74 [0.48-1.07]	0.68 [0.46-0.96]	0.68 [0.44-0.97]	0.44 [0.31-0.61]
	Peterborough	50.96 [46.08-57.23]	8.95 [6.77-11.46]	5.30 [3.69-7.22]	4.78 [3.27-6.69]	2.78 [1.96-3.74]	2.69 [1.29-4.25]	1.69 [1.21-2.42]	1.59 [1.05-2.30]	1.44 [0.99-2.09]	1.31 [0.87-1.91]	1.28 [0.85-1.85]
	Southend-on-Sea	25.04 [22.36-27.96]	5.14 [3.99-6.31]	2.17 [1.51-3.02]	2.23 [1.46-3.10]	1.30 [0.93-1.71]	1.13 [0.64-1.70]	0.92 [0.66-1.26]	0.82 [0.54-1.21]	0.70 [0.49-0.99]	0.72 [0.49-1.06]	0.63 [0.42-0.90]
	Suffolk	22.36 [20.08-24.72]	3.64 [2.81-4.53]	2.63 [1.96-3.47]	1.76 [1.20-2.51]	0.97 [0.71-1.31]	1.07 [0.56-1.62]	0.90 [0.63-1.23]	0.80 [0.54-1.17]	0.75 [0.52-1.02]	0.73 [0.46-1.06]	0.52 [0.36-0.73]
	Thurrock	21.75 [19.11-24.63]	3.02 [2.24-3.98]	2.09 [1.48-2.82]	0.94 [0.62-1.35]	1.53 [1.05-2.04]	1.38 [0.64-2.17]	0.83 [0.58-1.28]	0.73 [0.46-1.04]	0.74 [0.51-1.02]	0.67 [0.45-0.96]	0.74 [0.45-0.91]
South West	Bath and North East Somerset	13.43 [11.90-15.03]	2.18 [1.62-2.77]	1.60 [1.21-2.14]	1.09 [0.73-1.49]	0.69 [0.49-0.93]	0.61 [0.41-0.97]	0.48 [0.34-0.72]	0.50 [0.31-0.72]	0.47 [0.32-0.66]	0.49 [0.31-0.70]	0.30 [0.20-0.42]
	Bournemouth	23.71 [21.16-26.58]	4.86 [3.77-6.05]	1.85 [1.32-2.48]	3.16 [2.21-4.33]	1.11 [0.77-1.52]	1.04 [0.53-1.57]	0.81 [0.57-1.11]	0.78 [0.53-1.16]	0.63 [0.42-0.88]	0.60 [0.40-0.87]	0.48 [0.34-0.68]
	Bristol, City of	18.64 [16.72-20.62]	2.97 [2.25-3.75]	1.85 [1.35-2.43]	2.34 [1.65-3.23]	0.73 [0.53-1.04]	0.92 [0.60-1.38]	0.63 [0.45-0.96]	0.69 [0.46-1.00]	0.58 [0.40-0.87]	0.61 [0.39-0.87]	0.39 [0.27-0.55]
	Cornwall	27.49 [24.65-30.66]	5.70 [4.39-7.24]	2.78 [2.04-3.65]	1.94 [1.31-2.74]	1.37 [1.00-1.80]	1.08 [0.52-1.69]	0.95 [0.66-1.38]	0.88 [0.56-1.32]	0.88 [0.62-1.23]	0.79 [0.45-1.14]	0.55 [0.38-0.76]
	Devon	30.36 [27.47-33.61]	6.17 [4.85-7.71]	3.01 [2.18-3.98]	2.28 [1.54-3.17]	1.53 [1.10-2.01]	1.15 [0.64-1.73]	1.18 [0.82-1.59]	1.00 [0.65-1.49]	1.04 [0.71-1.44]	0.89 [0.54-1.30]	0.64 [0.43-0.91]
	Dorset	33.14 [29.66-36.93]	6.44 [5.02-8.10]	4.33 [3.20-5.64]	2.09 [1.40-2.95]	1.44 [1.02-1.96]	1.15 [0.56-1.79]	1.17 [0.77-1.74]	1.05 [0.61-1.66]	1.09 [0.71-1.54]	1.00 [0.49-1.51]	0.66 [0.42-0.94]
	Gloucestershire	26.82 [24.24-29.60]	4.34 [3.35-5.40]	3.51 [2.58-4.56]	2.16 [1.47-3.02]	1.30 [0.95-1.75]	1.11 [0.64-1.69]	0.98 [0.70-1.38]	0.83 [0.57-1.16]	0.86 [0.60-1.19]	0.89 [0.56-1.28]	0.63 [0.43-0.87]
	North Somerset	31.46 [28.11-35.31]	5.39 [4.09-6.77]	3.26 [2.34-4.40]	4.06 [2.71-5.58]	1.84 [1.23-2.46]	0.96 [0.57-1.43]	1.19 [0.77-1.68]	0.85 [0.53-1.27]	1.04 [0.69-1.48]	0.89 [0.50-1.33]	0.61 [0.41-0.87]
	Plymouth	21.00 [18.86-23.19]	3.32 [2.58-4.19]	1.85 [1.33-2.47]	2.51 [1.78-3.48]	1.01 [0.72-1.32]	1.06 [0.54-1.61]	0.77 [0.56-1.05]	0.72 [0.48-1.03]	0.62 [0.44-0.88]	0.58 [0.40-0.82]	0.48 [0.32-0.67]
	Poole	15.37 [13.58-17.27]	3.13 [2.43-3.92]	1.71 [1.24-2.27]	1.06 [0.71-1.50]	0.76 [0.54-1.04]	0.67 [0.43-1.01]	0.53 [0.37-0.78]	0.49 [0.31-0.71]	0.49 [0.34-0.68]	0.51 [0.33-0.72]	0.34 [0.23-0.48]
	Somerset	27.06 [24.35-29.85]	5.03 [3.91-6.35]	3.49 [2.59-4.59]	1.73 [1.15-2.49]	1.30 [0.93-1.69]	1.17 [0.52-1.82]	1.01 [0.67-1.39]	0.91 [0.57-1.40]	0.89 [0.61-1.21]	0.86 [0.45-1.30]	0.58 [0.38-0.82]
	South Gloucestershire	19.21 [17.11-21.45]	3.00 [2.30-3.75]	1.94 [1.39-2.56]	1.39 [0.94-1.98]	0.97 [0.70-1.30]	0.84 [0.55-1.26]	0.78 [0.55-1.07]	0.77 [0.53-1.14]	0.65 [0.45-0.92]	0.74 [0.47-1.08]	0.44 [0.30-0.62]
	Swindon	18.45 [16.37-20.81]	3.03 [2.32-3.87]	1.92 [1.38-2.54]	1.24 [0.84-1.75]	0.82 [0.60-1.11]	0.90 [0.64-1.33]	0.68 [0.46-1.02]	0.71 [0.47-1.04]	0.58 [0.40-0.84]	0.63 [0.40-0.91]	0.53 [0.37-0.78]
	Torbay	31.81 [28.23-35.61]	6.57 [5.06-8.21]	2.14 [1.50-2.93]	2.66 [1.84-3.75]	1.44 [1.40-2.85]	1.06 [0.67-2.24]	1.01 [0.75-1.60]	0.99 [0.66-1.52]	1.01 [0.67-1.38]	0.94 [0.57-1.36]	0.63 [0.43-0.86]
	Wiltshire	34.25 [30.99-38.06]	6.16 [4.76-7.74]	2.33 [1.13-3.81]	2.33 [1.56-3.28]	1.71 [1.27-2.29]	1.48 [0.77-2.25]	1.18 [0.84-1.78]	1.15 [0.78-1.66]	1.14 [0.80-1.61]	1.10 [0.64-1.63]	0.80 [0.55-1.12]
South East	Bracknell Forest	13.66 [11.94-15.51]	2.02 [1.53-2.65]	1.60 [1.14-2.15]	0.43 [0.28-0.64]	0.71 [0.51-0.96]	0.88 [0.55-1.29]	0.50 [0.34-0.81]	0.64 [0.40-0.96]	0.44 [0.30-0.66]	0.44 [0.31-0.75]	0.37 [0.25-0.53]
	Brighton and Hove	17.03 [15.18-18.91]	3.57 [2.78-4.46]	1.37 [1.00-1.84]	3.02 [2.22-3.91]	0.57 [0.41-0.78]	0.77 [0.45-1.16]	0.49 [0.34-0.72]	0.52 [0.33-0.75]	0.44 [0.29-0.65]	0.42 [0.26-0.60]	0.30 [0.20-0.43]
	Buckinghamshire	14.39 [12.89-15.95]	2.45 [1.89-3.11]	1.74 [1.27-2.35]	1.05 [0.70-1.48]	1.00 [0.66-1.33]	0.54 [0.31-0.79]	0.52 [0.36-0.73]	0.48 [0.32-0.71]	0.42 [0.29-0.59]	0.44 [0.27-0.66]	0.35 [0.23-0.48]
	East Sussex	18.34 [16.57-20.23]	3.93 [3.05-4.87]	1.97 [1.44-2.60]	1.48 [1.03-2.07]	0.95 [0.68-1.30]	0.72 [0.48-1.10]	0.62 [0.44-0.90]	0.66 [0.45-0.97]	0.57 [0.38-0.82]	0.60 [0.39-0.86]	0.37 [0.25-0.54]
	Hampshire	13.74 [12.43-15.14]	2.35 [1.83-2.97]	1.50 [1.09-1.99]	0.84 [0.55-1.15]	0.67 [0.48-0.90]	0.70 [0.41-1.03]	0.51 [0.37-0.75]	0.53 [0.36-0.76]	0.47 [0.33-0.65]	0.51 [0.33-0.74]	0.31 [0.22-0.44]
	Isle of Wight	15.36 [13.53-17.42]	2.50 [1.87-3.25]	1.42 [0.99-1.92]	1.45 [0.96-2.06]	0.72 [0.51-0.97]	0.74 [0.43-1.10]	0.57 [0.40-0.80]	0.56 [0.36-0.84]	0.52 [0.35-0.71]	0.45 [0.29-0.64]	0.36 [0.24-0.52]
	Kent	13.21 [11.97-14.45]	2.12 [1.61-2.70]	1.42 [1.05-1.89]	1.05 [0.72-1.45]	0.62 [0.46-0.82]	0.62 [0.39-0.91]	0.49 [0.34-0.72]	0.49 [0.32-0.69]	0.44 [0.30-0.61]	0.43 [0.29-0.61]	0.32 [0.23-0.46]
	Medway	16.44 [14.61-18.32]	2.05 [1.53-2.64]	1.60 [1.12-2.09]	1.49 [1.00-2.08]	0.89 [0.63-1.19]	0.90 [0.58-1.37]	0.62 [0.42-0.96]	0.70 [0.44-1.03]	0.54 [0.37-0.79]	0.57 [0.35-0.82]	0.36 [0.25-0.53]
	Milton Keynes	19.64 [17.51-21.91]	2.77 [2.10-3.54]	2.50 [1.82-3.30]	1.73 [1.18-2.47]	1.11 [0.79-1.47]	0.90 [0.55-1.30]	0.66 [0.46-0.99]	0.67 [0.43-0.96]	0.68 [0.48-0.95]	0.59 [0.39-0.81]	0.58 [0.40-0.82]
	Oxfordshire	18.36 [16.62-20.24]	2.92 [2.25-3.69]	2.23 [1.62-2.93]	1.14 [0.76-1.59]	0.90 [0.64-1.21]	1.05 [0.67-1.52]	0.65 [0.45-1.03]	0.75 [0.47-1.07]	0.66 [0.45-0.93]	0.70 [0.44-0.99]	0.40 [0.28-0.58]
	Portsmouth	18.10 [16.07-20.10]	3.07 [2.41-3.91]	1.61 [1.14-2.15]	2.03 [1.40-2.78]	0.84 [0.62-1.14]	0.96 [0.56-1.41]	0.59 [0.41-0.93]	0.60 [0.39-0.87]	0.54 [0.38-0.78]	0.58 [0.37-0.83]	0.40 [0.27-0.55]
	Reading	13.65 [12.09-15.51]	2.14 [1.64-2.75]	1.33 [0.94-1.84]	1.29 [0.88-1.83]	0.82 [0.56-1.10]	0.70 [0.47-1.06]	0.46 [0.31-0.74]	0.54 [0.34-0.79]	0.41 [0.28-0.61]	0.43 [0.27-0.63]	0.35 [0.24-0.51]
	Slough	16.58 [14.70-18.57]	2.78 [2.11-3.54]	1.46 [1.04-1.97]	1.36 [0.91-1.92]	0.91 [0.64-1.24]	0.84 [0.51-1.27]	0.58 [0.41-0.81]	0.52 [0.36-0.82]	0.52 [0.35-0.77]	0.52 [0.28-0.63]	0.50 [0.35-0.72]
	Southampton	19.83 [17.76-22.03]	3.78 [2.91-4.72]	1.72 [1.23-2.30]	2.07 [1.46-2.90]	0.88 [0.64-1.16]	1.00 [0.56-1.49]	0.67 [0.48-0.97]	0.68 [0.45-0.98]	0.60 [0.41-0.85]	0.56 [0.38-0.81]	0.43 [0.29-0.63]
	Surrey	18.32 [16.61-20.08]	3.28 [2.57-4.07]	1.95 [1.41-2.52]	1.25 [0.83-1.82]	1.05 [0.74-1.40]	0.76 [0.49-1.12]	0.72 [0.51-0.98]	0.64 [0.43-0.91]	0.62 [0.42-0.85]	0.63 [0.40-0.93]	0.47 [0.33-0.68]
	West Berkshire	18.82 [16.48-21.27]	3.37 [2.61-4.30]	2.23 [1.59-2.96]	0.84 [0.54-1.21]	0.74 [0.53-1.00]	0.99 [0.59-1.46]	0.64 [0.45-0.97]	0.70 [0.46-1.02]	0.62 [0.43-0.88]	0.71 [0.45-1.03]	0.43 [0.29-0.61]
	West Sussex	19.55 [17.70-21.51]	3.76 [2.97-4.63]	2.22 [1.61-2.90]	1.54 [1.03-2.10]	0.81 [0.60-1.08]	0.82 [0.52-1.21]	0.72 [0.51-1.00]	0.65 [0.44-0.93]	0.64 [0.44-0.89]	0.65 [0.42-0.93]	0.40 [0.28-0.57]
	Windsor and Maidenhead	16.01 [14.12-17.99]	2.88 [2.19-3.65]	1.56 [1.10-2.10]	0.90 [0.60-1.28]	0.78 [0.56-1.05]	0.73 [0.45-1.10]	0.64 [0.46-0.89]	0.59 [0.39-0.88]	0.49 [0.33-0.71]	0.57 [0.37-0.82]	0.50 [0.34-0.70]
	Wokingham	13.15 [11.72-14.96]	2.36 [1.83-3.03]	1.61 [1.14-2.18]	0.56 [0.35-0.83]	0.41 [0.30-0.57]	0.74 [0.47-1.16]	0.51 [0.36-0.79]	0.55 [0.34-0.81]	0.47 [0.31-0.71]	0.52 [0.31-0.74]	0.33 [0.22-0.48]

Figure S1 Mortality rate per 100,000 and mortality rate quintile in 2017 within 150 English local authorities amongst 1 to 4 year olds (both sexes). (Greater London also shown separately)

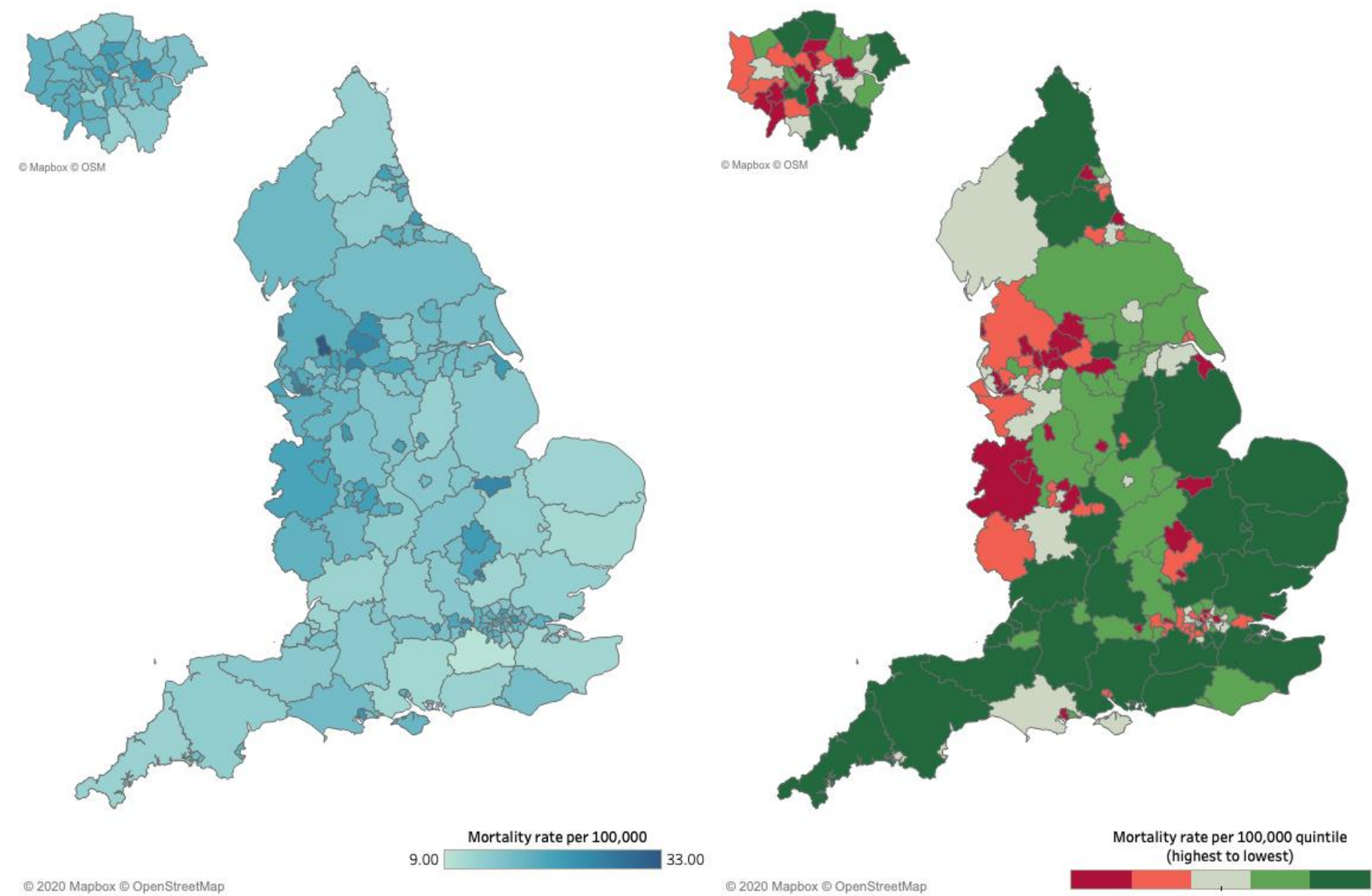




Figure S2 Mortality rate per 100,000 and mortality rate quintile in 2017 within 150 English local authorities amongst 5 to 9 year olds (both sexes). (Greater London also shown separately)

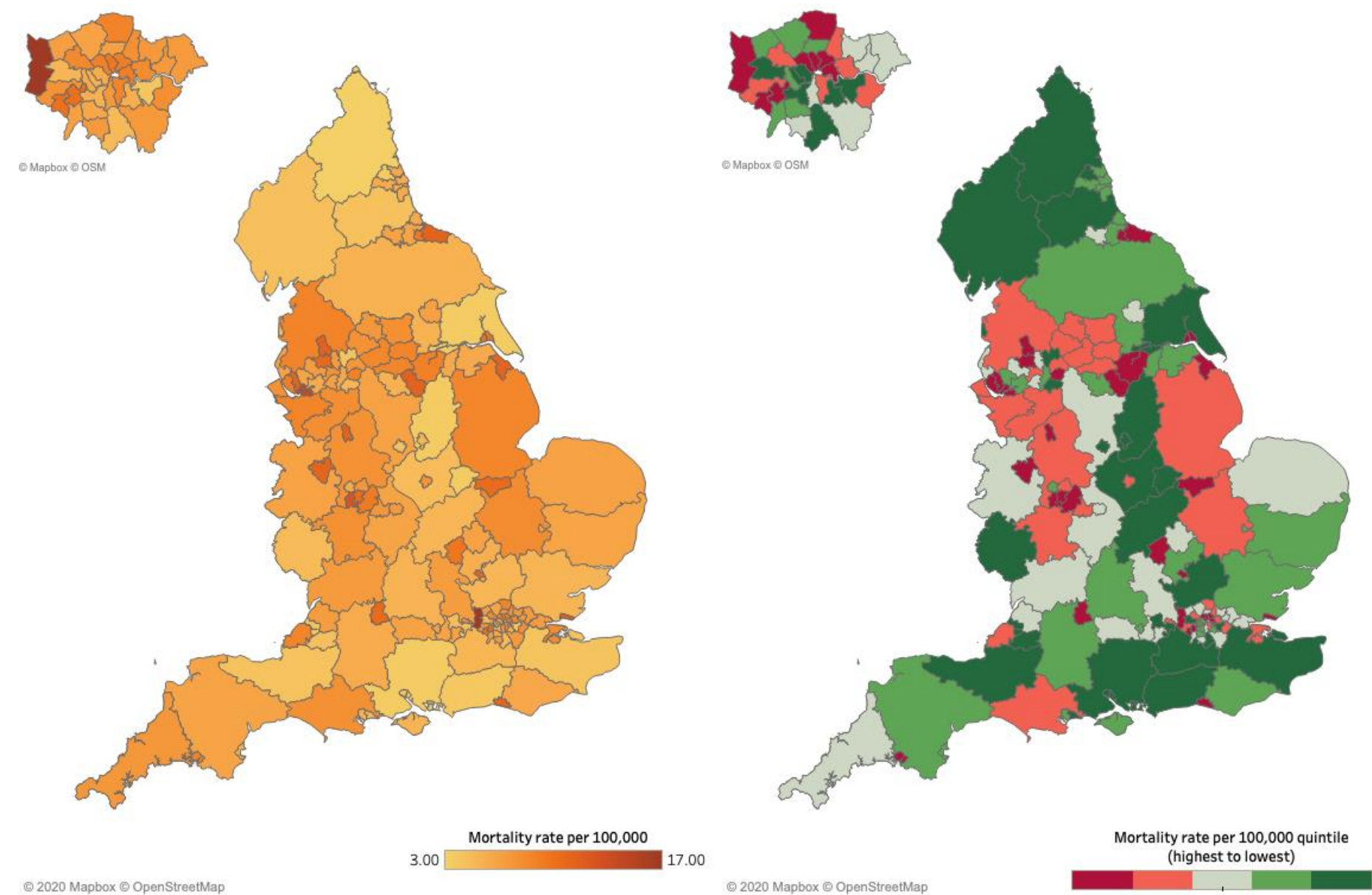


Figure S3 Mortality rate per 100,000 and mortality rate quintile in 2017 within 150 English local authorities amongst 10 to 14 year olds (both sexes). (Greater London also shown separately)

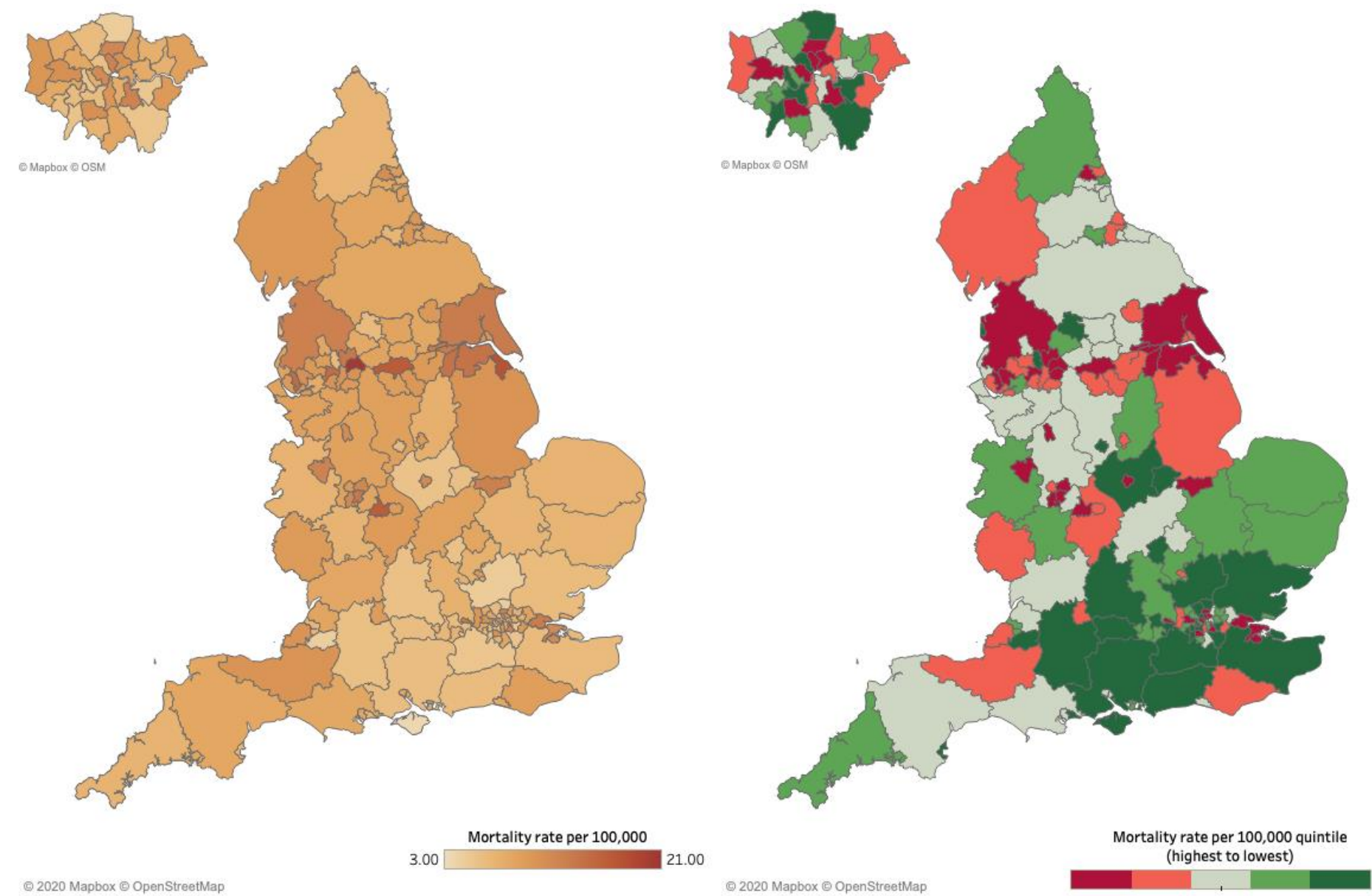


Figure S4 Mortality rate per 100,000 and mortality rate quintile in 2017 within 150 English local authorities amongst 15 to 19 year olds (both sexes). (Greater London also shown separately)

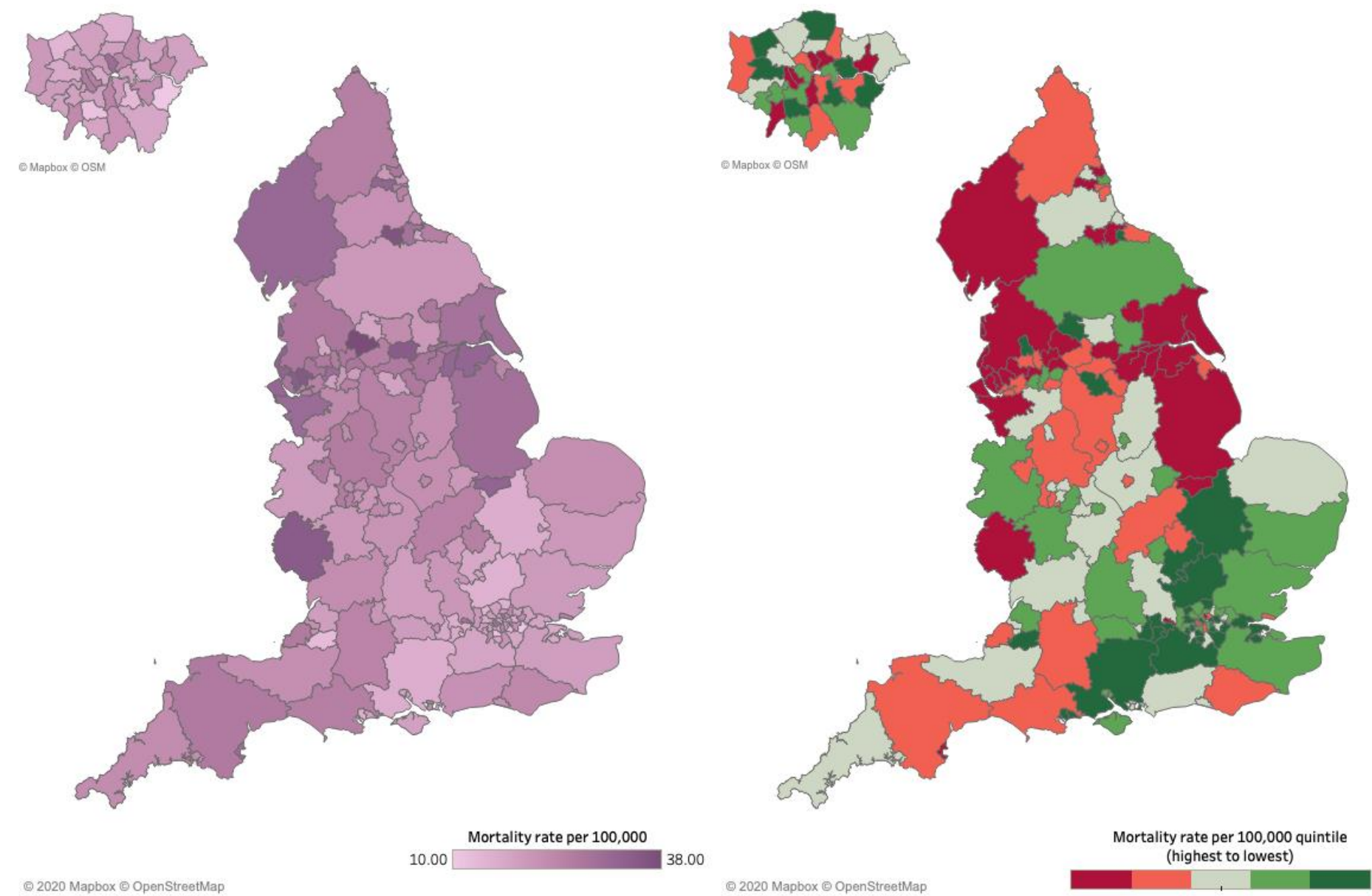




Figure S5 Mortality rate per 100,000 and mortality rate quintile in 2017 within 150 English local authorities amongst 20 to 24 year olds (both sexes). (Greater London also shown separately)

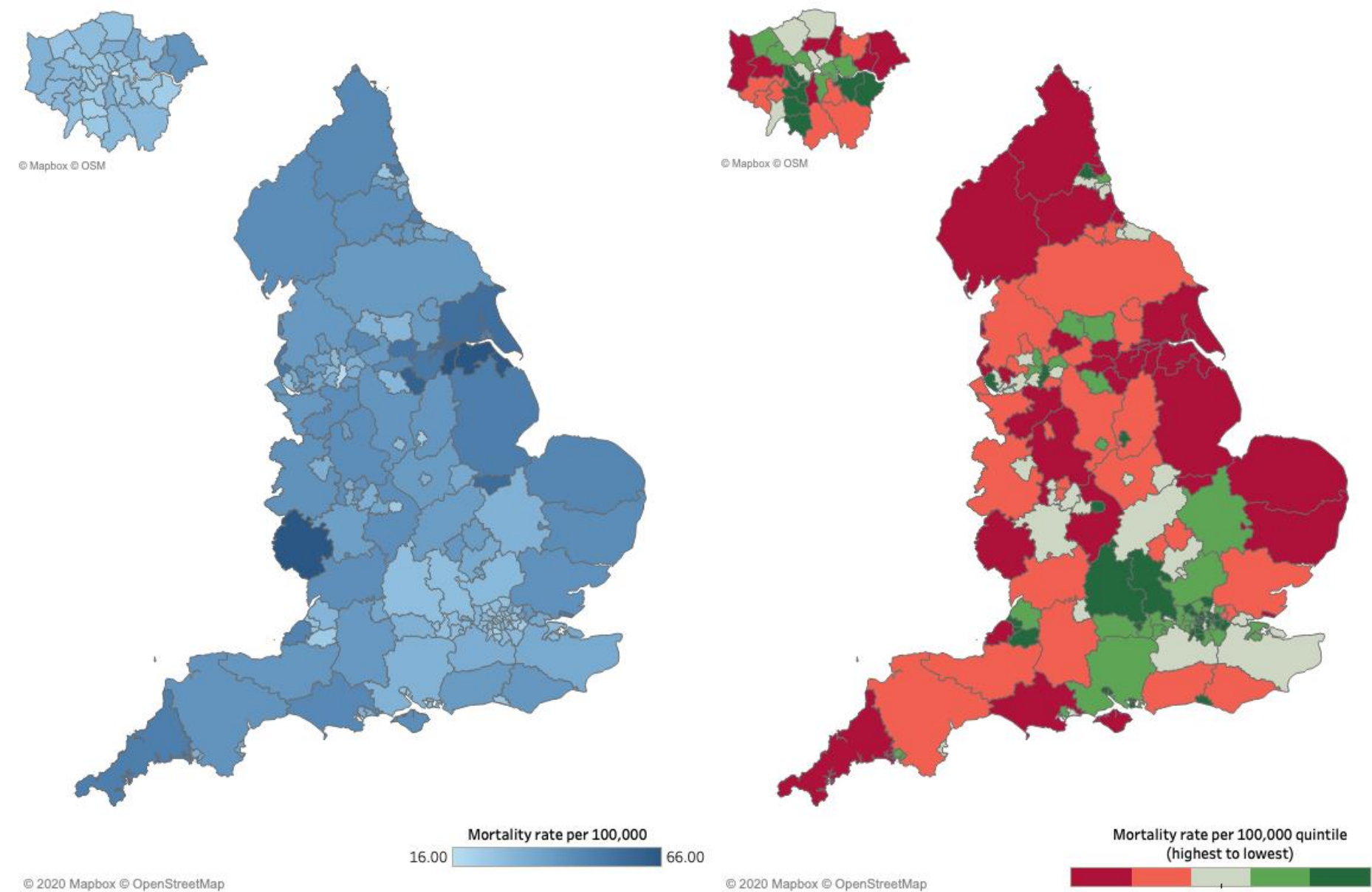
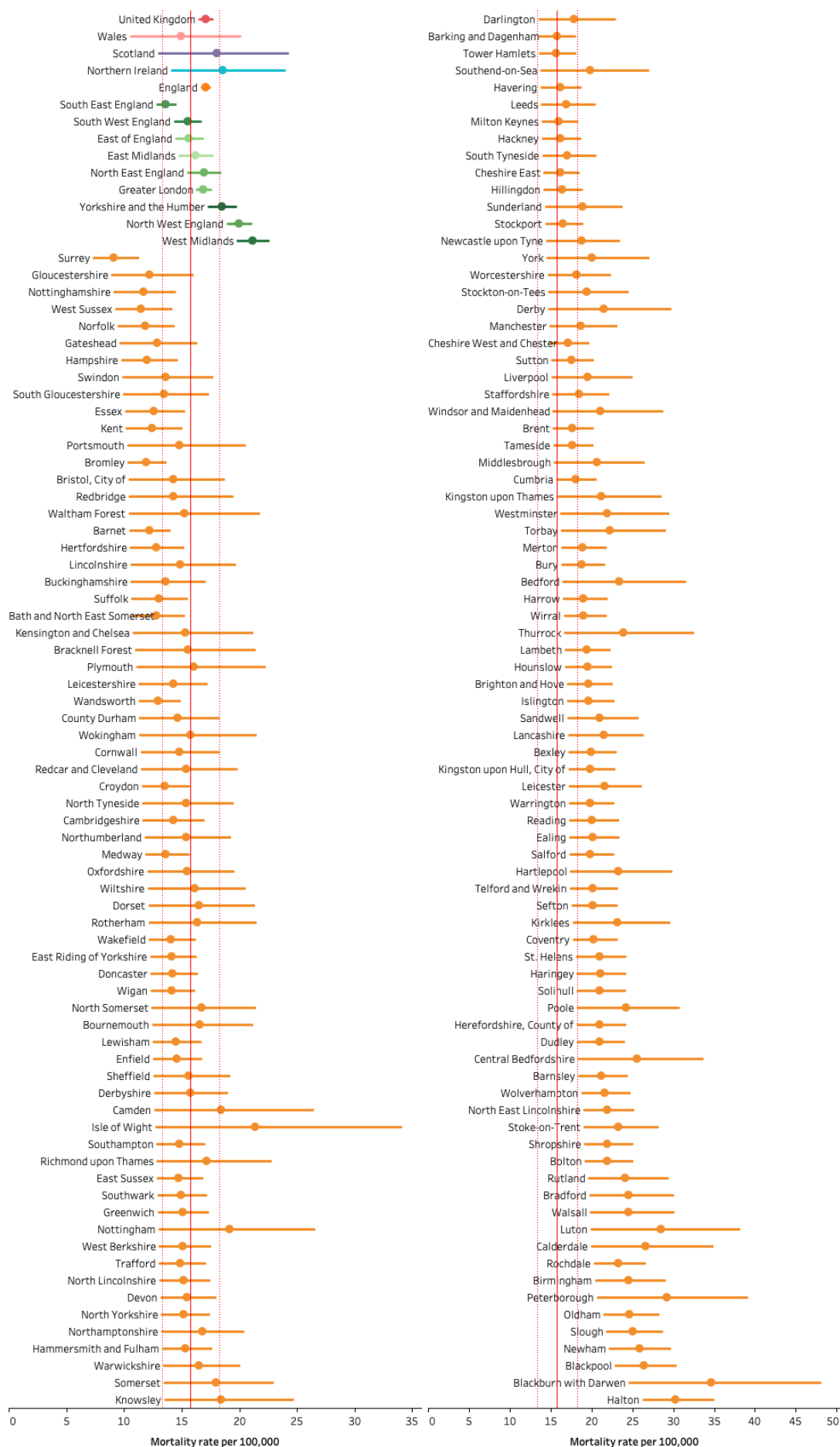
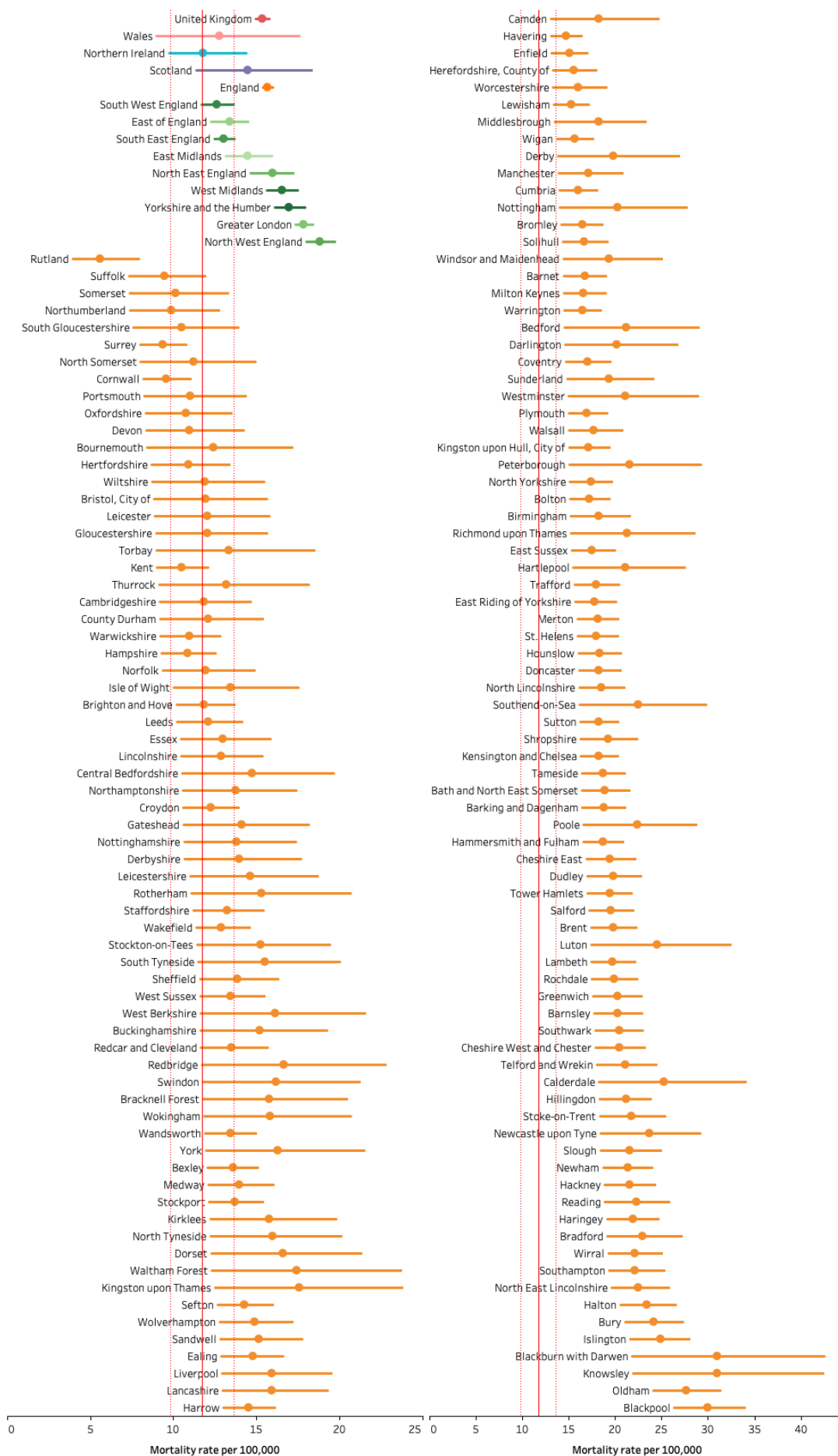


Figure S6 All-cause mortality rate per 100,000 with upper and lower uncertainty bounds in 2017 in 1 to 4 year old males in UK countries, English regions and English local authorities compared with the EU15+ median.<sup>i</sup>



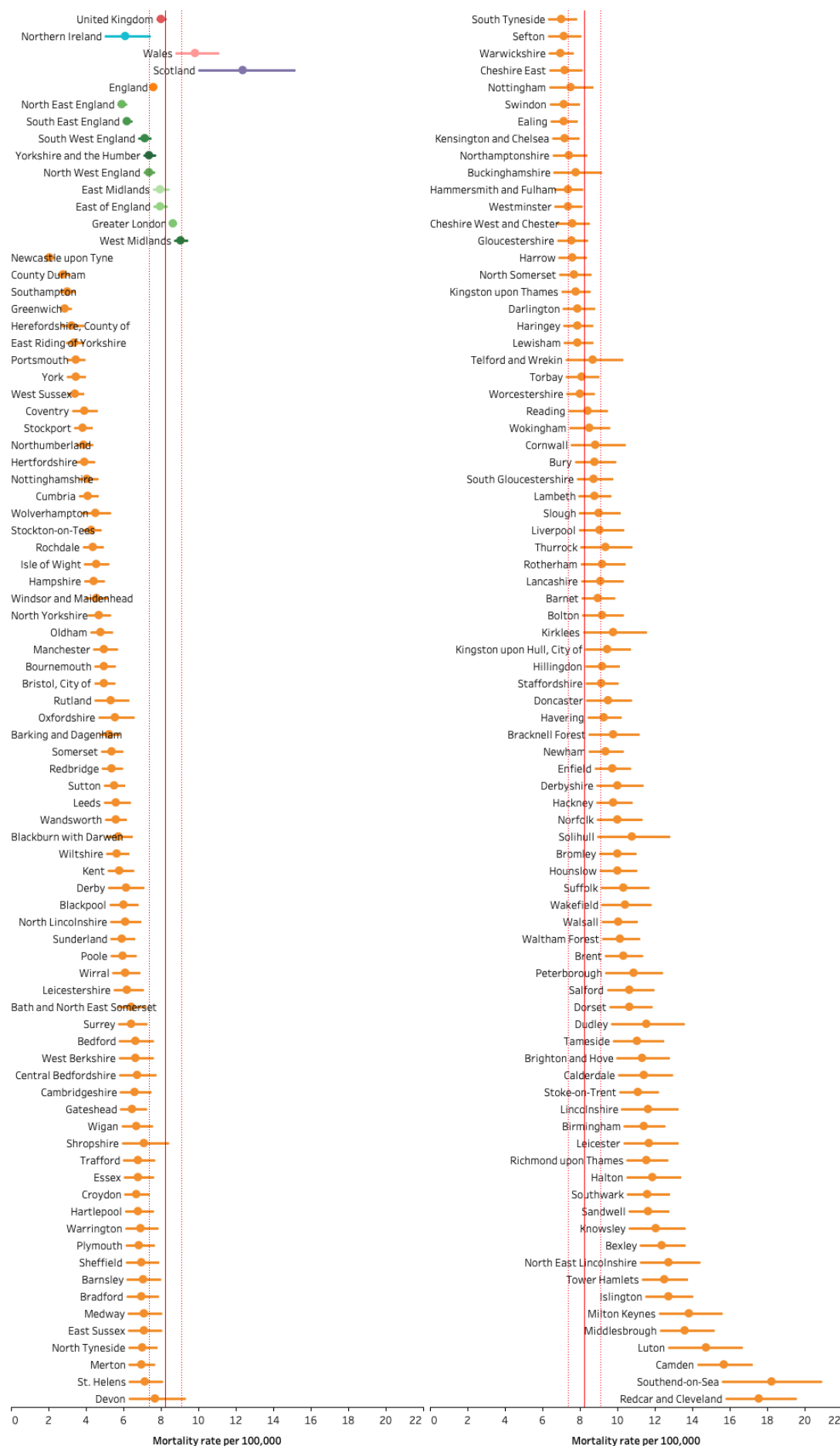
<sup>ii</sup>The EU15+ median is shown as a red vertical line, with upper and lower 95% confidence intervals shown as red vertical dashed lines.

Figure S7 All-cause mortality rate per 100,000 with upper and lower uncertainty bounds in 2017 in 1 to 4 year old females in UK countries, English regions and English local authorities compared with the EU15+ median.<sup>i</sup>



<sup>ii</sup>The EU15+ median is shown as a red vertical line, with upper and lower 95% confidence intervals shown as red vertical dashed lines.

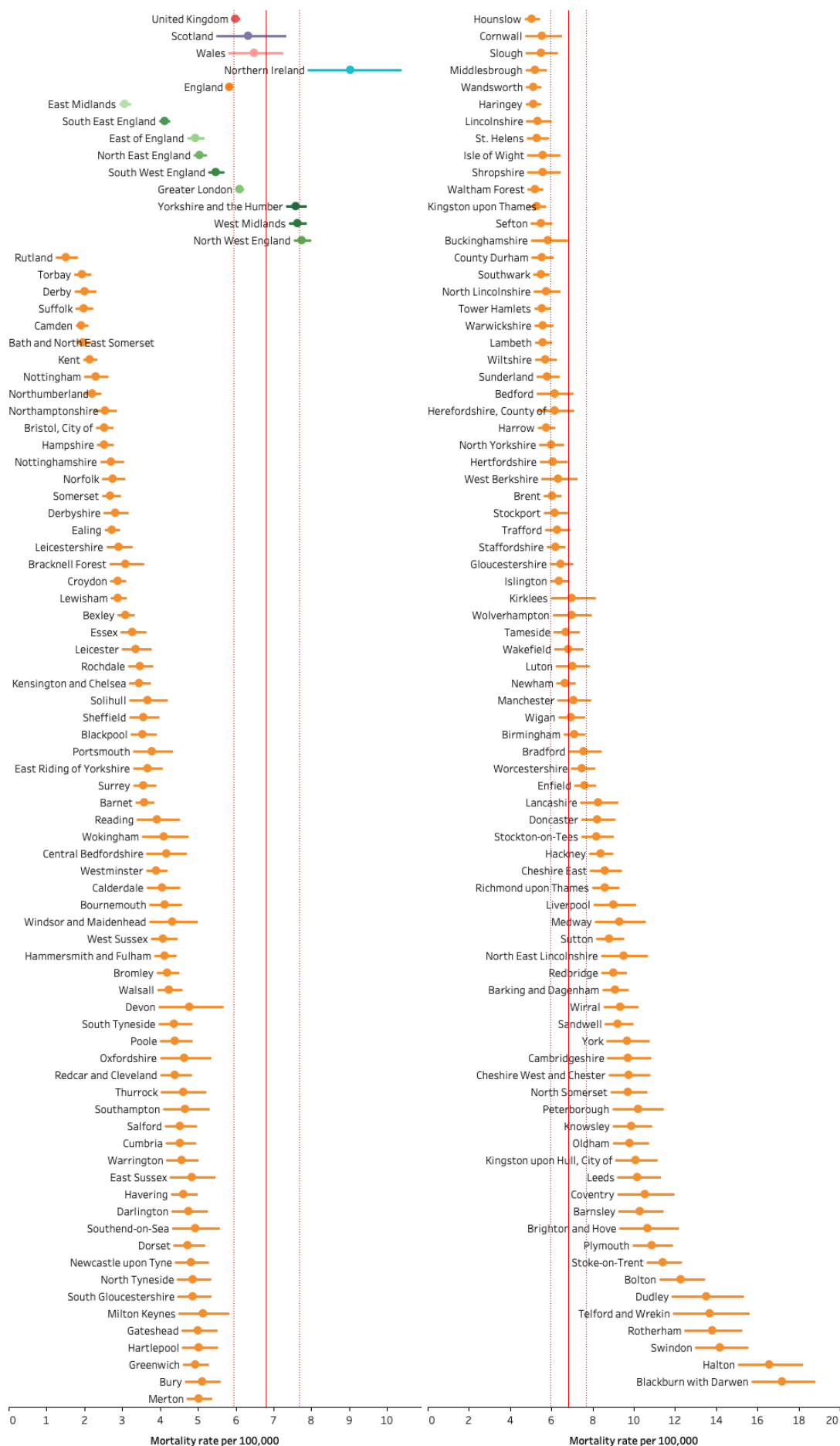
Figure S8 All-cause mortality rate per 100,000 with upper and lower uncertainty bounds in 2017 in 5 to 9 year old males in UK countries, English regions and English local authorities compared with the EU15+ median.<sup>i</sup>



<sup>i</sup>Hillingdon is excluded for clarity – mortality rate 25.65 [24.09-27.29]

<sup>ii</sup>The EU15+ median is shown as a red vertical line, with upper and lower 95% confidence intervals shown as red vertical dashed lines.

Figure S9 All-cause mortality rate per 100,000 with upper and lower uncertainty bounds in 2017 in 5 to 9 year old females in UK countries, English regions and English local authorities<sup>i</sup> compared with the EU15+ median.<sup>ii</sup>

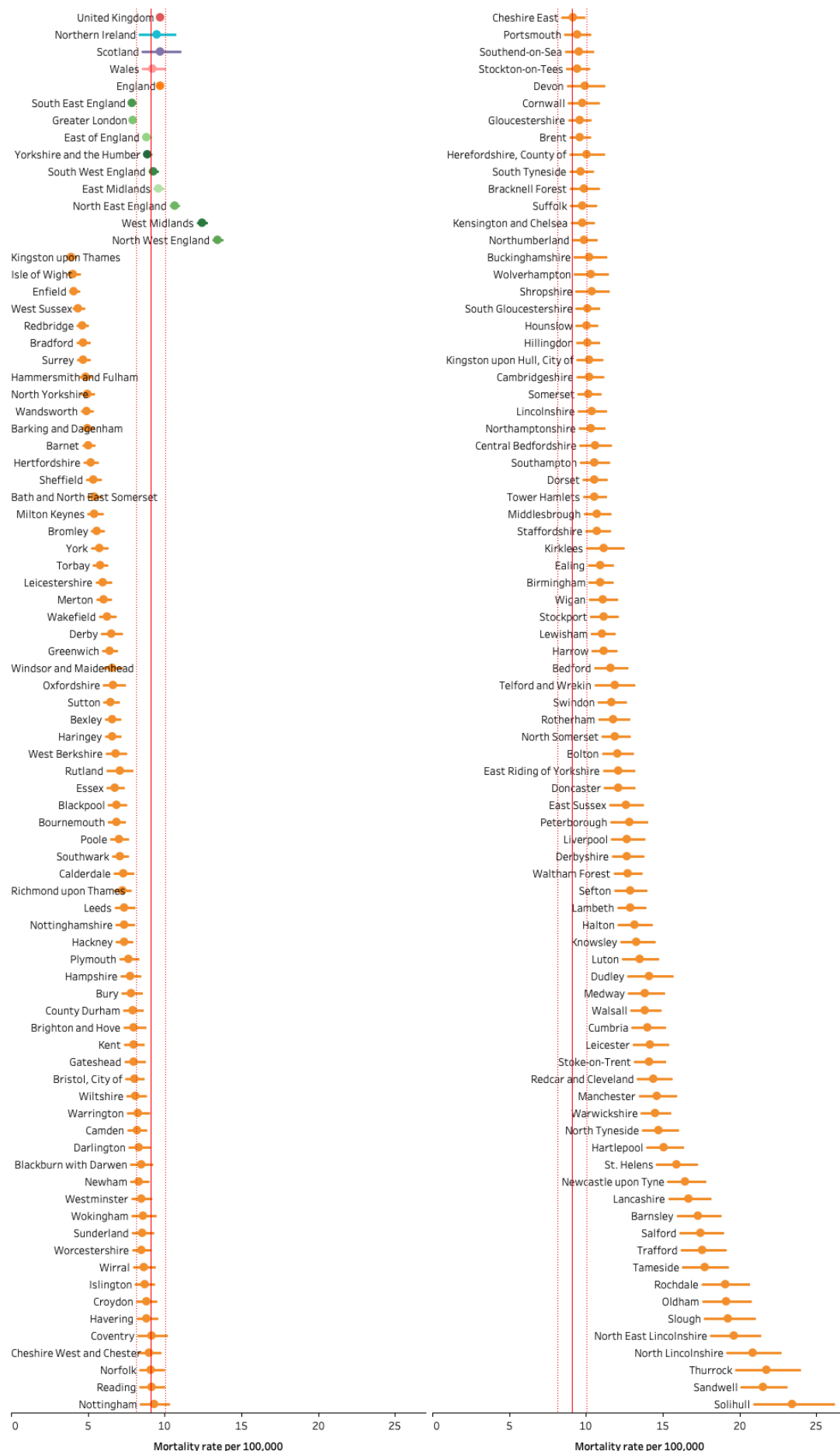


<sup>i</sup>Hillingdon is excluded for clarity – mortality rate 25.65 [24.09-27.29]

<sup>ii</sup>The EU15+ median is shown as a red vertical line, with upper and lower 95% confidence intervals shown as red vertical dashed lines.

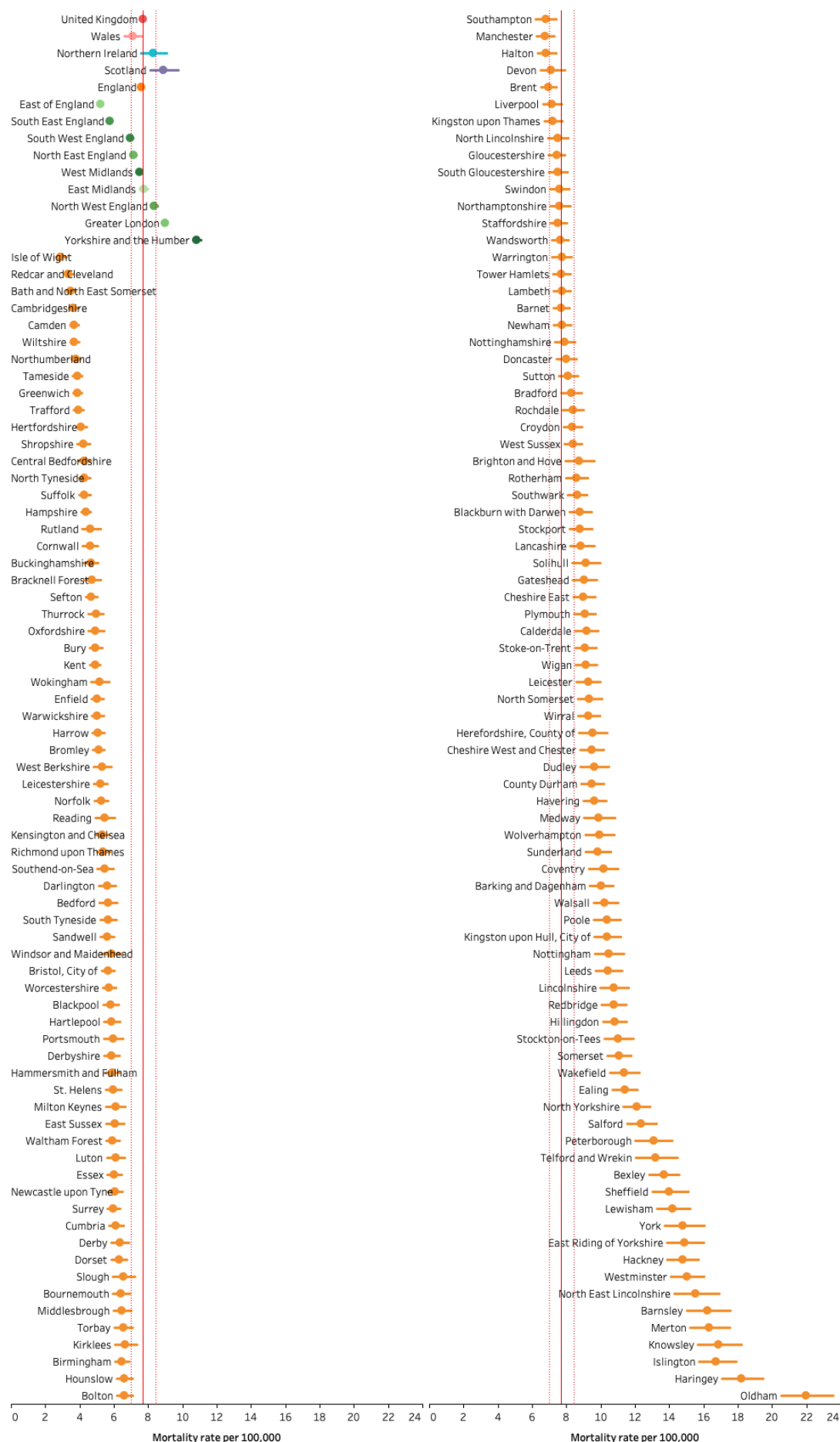


Figure S10 All-cause mortality rate per 100,000 with upper and lower uncertainty bounds in 2017 in 10 to 14 year old males in UK countries, English regions and English local authorities compared with the EU15+ median.<sup>i</sup>



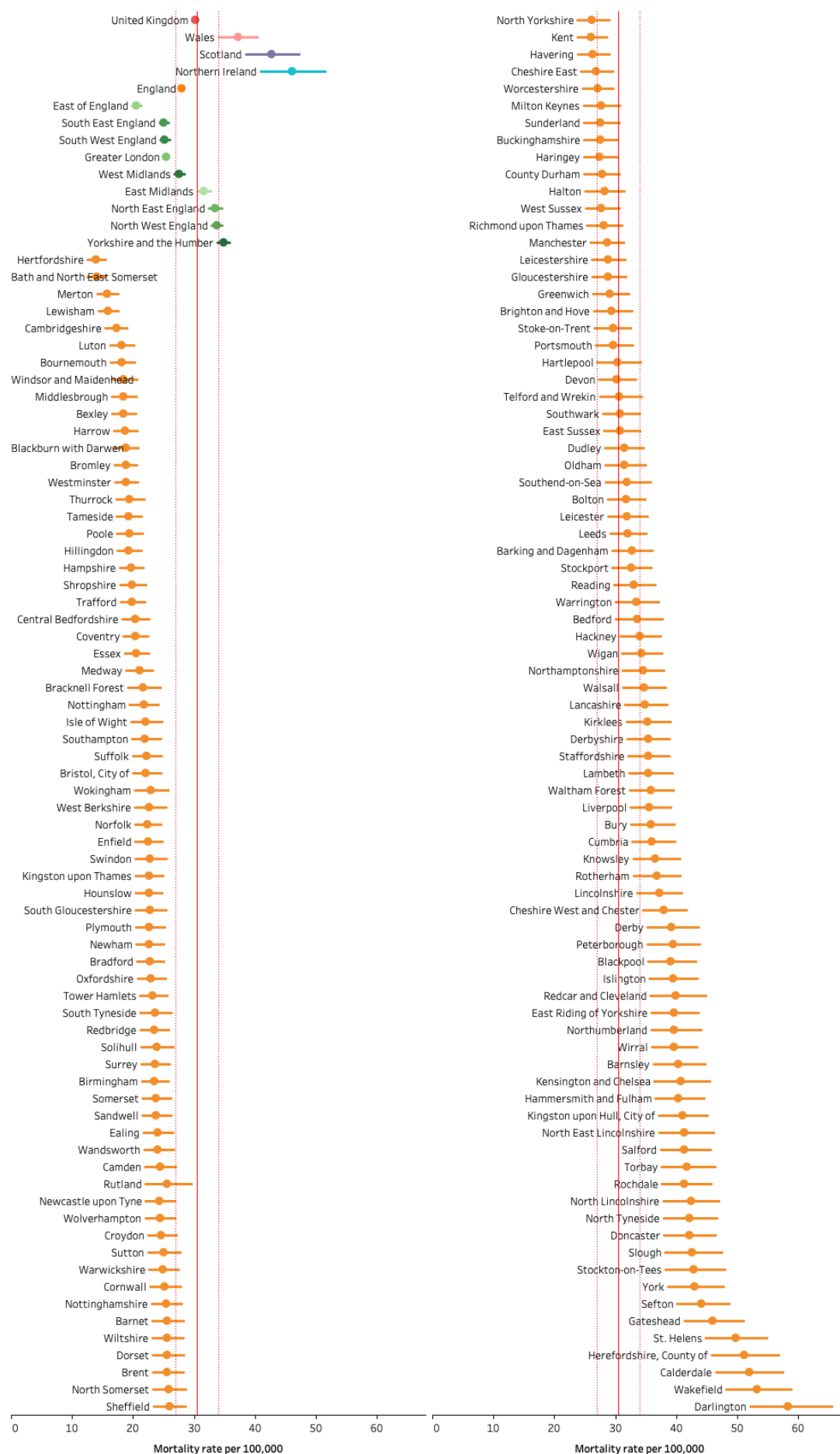
<sup>i</sup>The EU15+ median is shown as a red vertical line, with upper and lower 95% confidence intervals shown as red vertical dashed lines.

Figure S11 All-cause mortality rate per 100,000 with upper and lower uncertainty bounds in 2017 in 10 to 14 year old females in UK countries, English regions and English local authorities compared with the EU15+ median.<sup>i</sup>



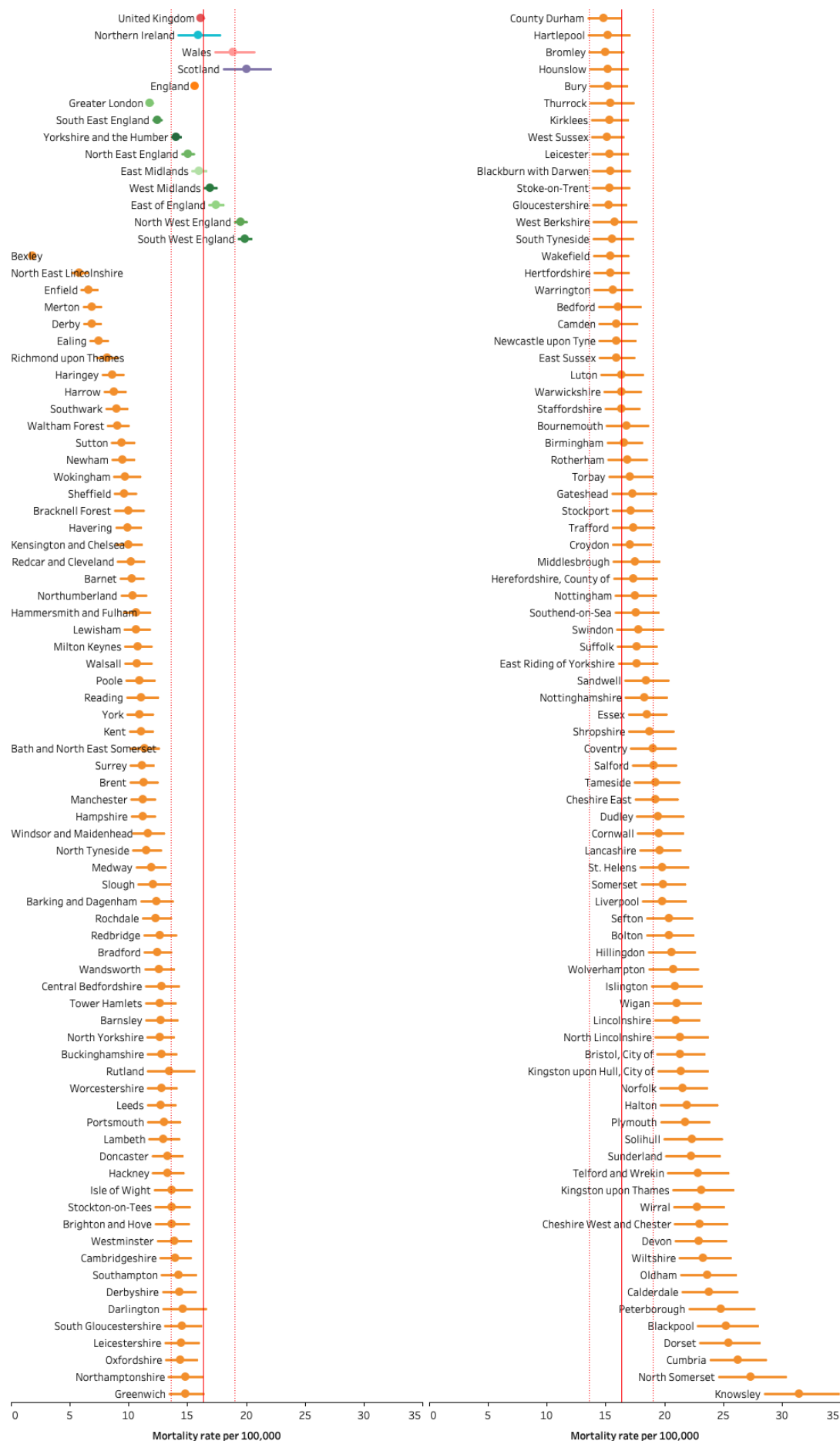
<sup>i</sup>The EU15+ median is shown as a red vertical line, with upper and lower 95% confidence intervals shown as red vertical dashed lines.

Figure S12 All-cause mortality rate per 100,000 with upper and lower uncertainty bounds in 2017 in 15 to 19 year old males in UK countries, English regions and English local authorities compared with the EU15+ median.<sup>i</sup>



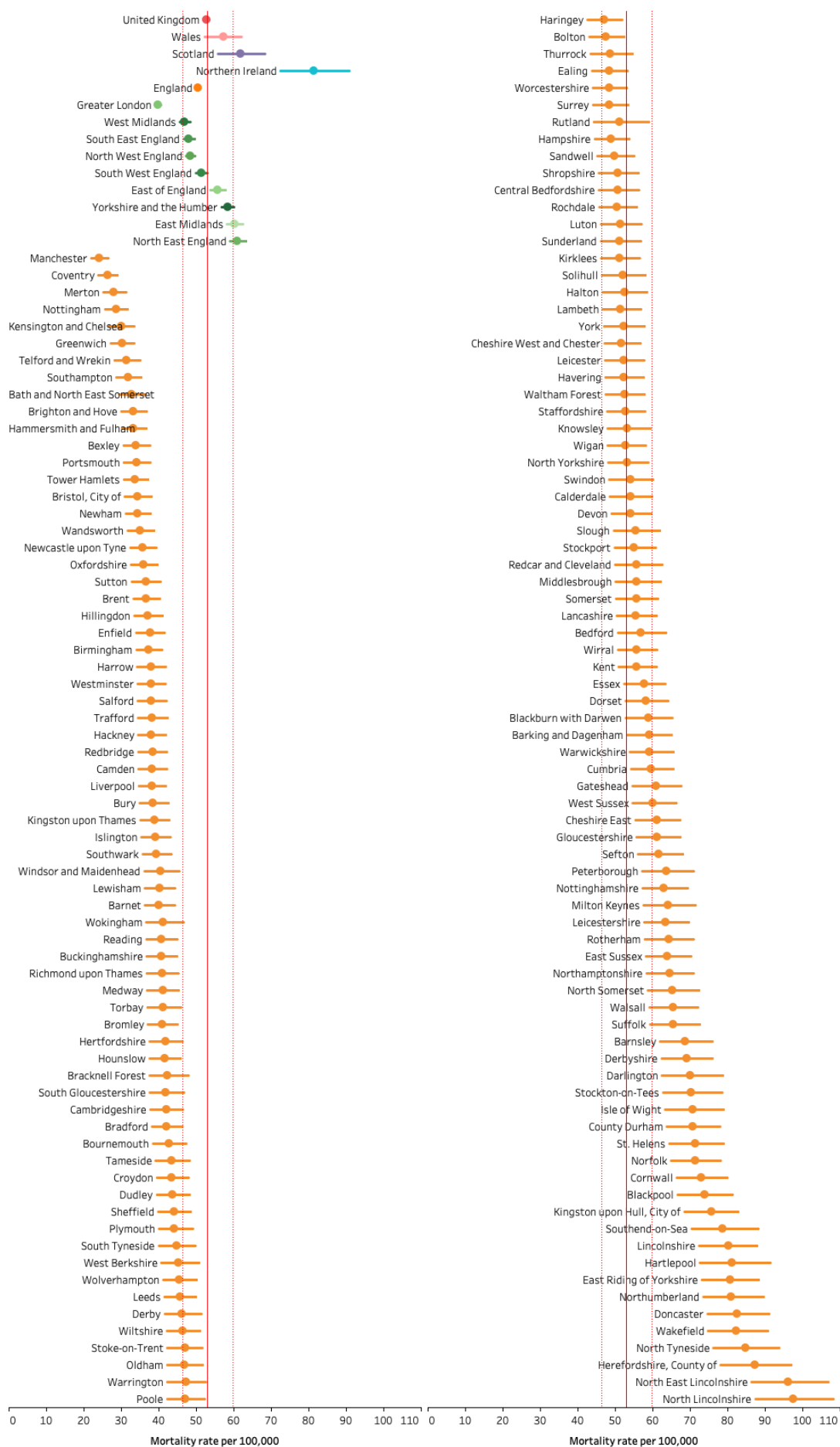
<sup>i</sup>The EU15+ median is shown as a red vertical line, with upper and lower 95% confidence intervals shown as red vertical dashed lines.

Figure S13 All-cause mortality rate per 100,000 with upper and lower uncertainty bounds in 2017 in 15 to 19 year old females in UK countries, English regions and English local authorities compared with the EU15+ median.<sup>i</sup>



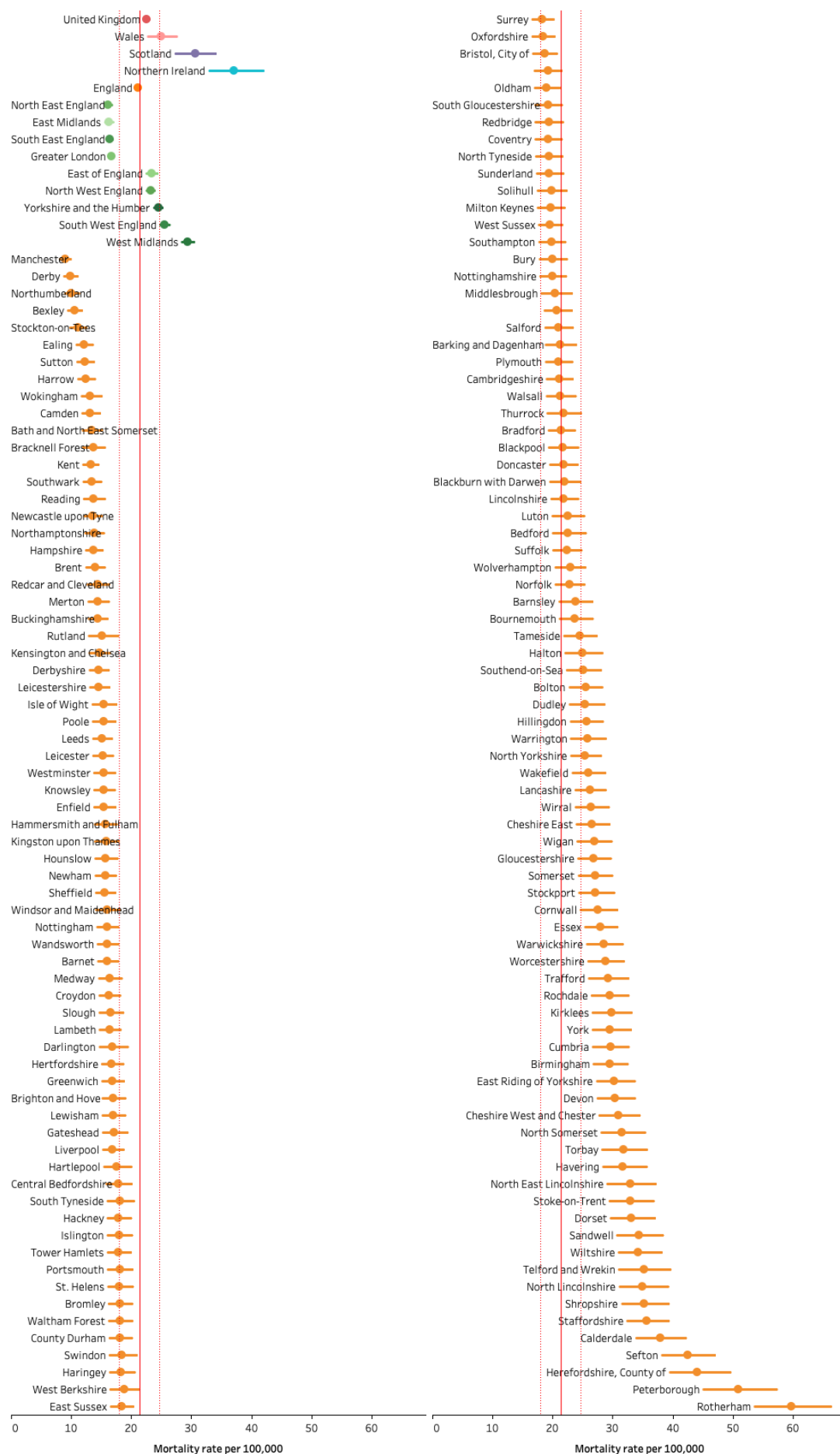
<sup>i</sup>The EU15+ median is shown as a red vertical line, with upper and lower 95% confidence intervals shown as red vertical dashed lines.

Figure S14 All-cause mortality rate per 100,000 with upper and lower uncertainty bounds in 2017 in 20 to 24 year old males in UK countries, English regions and English local authorities compared with the EU15+ median.<sup>i</sup>



The EU15+ median is shown as a red vertical line, with upper and lower 95% confidence intervals shown as red vertical dashed lines.

Figure S15 All-cause mortality rate per 100,000 with upper and lower uncertainty bounds in 2017 in 20 to 24 year old females in UK countries, English regions and English local authorities compared with the EU15+ median.<sup>i</sup>



<sup>i</sup>The EU15+ median is shown as a red vertical line, with upper and lower 95% confidence intervals shown as red vertical dashed lines

Table S14 All causes rate per 100,000 population : England

Sex	Age group	2007		2017		Percentage change 2007 - 2017
		Admission rate	Confidence Interval [CI]	Admission rate	Confidence Interval [CI]	
Both Sexes	1 to 4	82.22	[81.86 - 82.58]	101.19	[100.82 - 101.57]	23.07
	5 to 9	31.19	[30.99 - 31.39]	38.40	[38.19 - 38.60]	23.12
	10 to 14	31.71	[31.52 - 31.91]	37.26	[37.05 - 37.47]	17.50
	15 to 19	48.80	[48.56 - 49.04]	53.21	[52.96 - 53.47]	9.04
	20 to 24	56.03	[55.78 - 56.29]	62.77	[62.51 - 63.03]	12.02
	1 to 24	48.75	[48.64 - 48.87]	57.11	[56.99 - 57.22]	17.13
Female	1 to 4	72.57	[72.08 - 73.06]	88.90	[88.39 - 89.40]	22.50
	5 to 9	27.16	[26.89 - 27.43]	34.71	[34.43 - 34.99]	27.81
	10 to 14	29.03	[28.77 - 29.30]	36.85	[36.55 - 37.15]	26.92
	15 to 19	56.78	[56.42 - 57.15]	67.59	[67.18 - 68.01]	19.03
	20 to 24	66.33	[65.94 - 66.72]	82.25	[81.82 - 82.68]	24.01
	1 to 24	50.03	[49.87 - 50.19]	61.19	[61.01 - 61.36]	22.30
Male	1 to 4	91.42	[90.88 - 91.95]	112.88	[112.33 - 113.44]	23.48
	5 to 9	35.04	[34.74 - 35.34]	41.91	[41.61 - 42.21]	19.62
	10 to 14	34.26	[33.98 - 34.55]	37.65	[37.35 - 37.95]	9.90
	15 to 19	41.12	[40.82 - 41.43]	39.57	[39.27 - 39.88]	-3.77
	20 to 24	45.81	[45.49 - 46.14]	44.31	[44.00 - 44.62]	-3.29
	1 to 24	47.53	[47.37 - 47.68]	53.23	[53.07 - 53.39]	12.00

Table S15 All causes rate per 1,000 population : IMD Quintile Category 1 (most deprived)

Sex	Age group	2007		2017		Percentage change 2007 - 2017
		Admission rate	Confidence Interval [CI]	Admission rate	Confidence Interval [CI]	
Both Sexes	1 to 4	104.22	[103.41 - 105.04]	114.24	[113.45 - 115.03]	9.61
	5 to 9	39.14	[38.68 - 39.62]	44.45	[44.00 - 44.90]	13.55
	10 to 14	39.16	[38.70 - 39.62]	44.35	[43.88 - 44.84]	13.27
	15 to 19	68.28	[67.69 - 68.89]	66.49	[65.88 - 67.10]	-2.63
	20 to 24	79.74	[79.14 - 80.35]	83.17	[82.55 - 83.79]	4.30
	1 to 24	65.69	[65.43 - 65.96]	69.63	[69.37 - 69.90]	5.99
Female	1 to 4	92.16	[91.07 - 93.26]	100.71	[99.65 - 101.78]	9.28
	5 to 9	33.91	[33.29 - 34.54]	40.07	[39.47 - 40.68]	18.16
	10 to 14	36.54	[35.91 - 37.19]	43.45	[42.78 - 44.14]	18.90
	15 to 19	81.48	[80.56 - 82.42]	85.73	[84.75 - 86.72]	5.21
	20 to 24	93.15	[92.25 - 94.06]	108.65	[107.65 - 109.65]	16.63
	1 to 24	68.37	[67.99 - 68.75]	75.18	[74.79 - 75.57]	9.96
Male	1 to 4	115.75	[114.56 - 116.95]	127.10	[125.94 - 128.27]	9.81
	5 to 9	44.17	[43.47 - 44.87]	48.61	[47.97 - 49.27]	10.07
	10 to 14	41.65	[40.99 - 42.32]	45.22	[44.54 - 45.90]	8.56
	15 to 19	55.27	[54.51 - 56.03]	48.18	[47.47 - 48.91]	-12.82
	20 to 24	65.25	[64.46 - 66.04]	57.76	[57.03 - 58.49]	-11.48
	1 to 24	63.04	[62.68 - 63.41]	64.29	[63.94 - 64.65]	1.98



Table S16 All causes rate per 1,000 population : Quintile Category 5 (least deprived)

Sex	Age group	2007		2017		Percentage change 2007 - 2017
		Admission rate	Confidence Interval [CI]	Admission rate	Confidence Interval [CI]	
Both Sexes	1 to 4	65.72	[64.97 - 66.48]	89.98	[89.10 - 90.86]	36.90
	5 to 9	25.49	[25.09 - 25.90]	32.56	[32.12 - 33.01]	27.75
	10 to 14	25.97	[25.58 - 26.36]	30.82	[30.39 - 31.26]	18.70
	15 to 19	35.44	[34.99 - 35.90]	41.85	[41.34 - 42.37]	18.09
	20 to 24	41.62	[41.06 - 42.19]	51.99	[51.37 - 52.61]	24.90
	1 to 24	37.02	[36.80 - 37.24]	46.76	[46.51 - 47.01]	26.31
Female	1 to 4	58.45	[57.44 - 59.48]	77.80	[76.63 - 78.98]	33.09
	5 to 9	22.58	[22.04 - 23.14]	29.28	[28.68 - 29.88]	29.63
	10 to 14	22.53	[22.01 - 23.06]	30.14	[29.52 - 30.76]	33.78
	15 to 19	39.09	[38.40 - 39.78]	51.60	[50.79 - 52.42]	32.00
	20 to 24	48.32	[47.44 - 49.22]	67.53	[66.50 - 68.57]	39.74
	1 to 24	36.45	[36.13 - 36.77]	48.76	[48.40 - 49.13]	33.78
Male	1 to 4	72.62	[71.52 - 73.74]	101.49	[100.20 - 102.80]	39.76
	5 to 9	28.26	[27.66 - 28.86]	35.69	[35.05 - 36.35]	26.32
	10 to 14	29.23	[28.65 - 29.82]	31.48	[30.87 - 32.09]	7.69
	15 to 19	32.01	[31.41 - 32.62]	32.66	[32.03 - 33.30]	2.04
	20 to 24	35.57	[34.85 - 36.30]	38.19	[37.46 - 38.93]	7.37
	1 to 24	65.72	[64.97 - 66.48]	89.98	[89.10 - 90.86]	36.90

Table S17 Epilepsy rate per 100,000 population : England

Sex	Age group	2007		2017		Percentage change 2007 - 2017
		Admission rate	Confidence Interval [CI]	Admission rate	Confidence Interval [CI]	
Both Sexes	1 to 4	81.49	[77.92 - 85.18]	82.59	[79.22 - 86.07]	1.35
	5 to 9	56.34	[53.66 - 59.12]	69.42	[66.69 - 72.24]	23.22
	10 to 14	48.62	[46.22 - 51.11]	54.14	[51.60 - 56.76]	11.35
	15 to 19	56.56	[54.04 - 59.18]	53.61	[51.07 - 56.24]	-5.22
	20 to 24	58.99	[56.45 - 61.62]	54.37	[51.96 - 56.85]	-7.84
	1 to 24	59.35	[58.13 - 60.58]	62.26	[61.05 - 63.50]	4.91
Female	1 to 4	78.45	[73.46 - 83.68]	73.55	[69.02 - 78.31]	-6.24
	5 to 9	55.53	[51.74 - 59.52]	63.04	[59.33 - 66.92]	13.52
	10 to 14	45.11	[41.82 - 48.58]	50.85	[47.36 - 54.54]	12.74
	15 to 19	56.56	[52.97 - 60.33]	56.75	[53.02 - 60.66]	0.33
	20 to 24	53.72	[50.29 - 57.31]	53.56	[50.16 - 57.14]	-0.29
	1 to 24	56.78	[55.09 - 58.52]	59.12	[57.43 - 60.85]	4.11
Male	1 to 4	84.39	[79.34 - 89.68]	91.18	[86.25 - 96.32]	8.05
	5 to 9	57.12	[53.36 - 61.07]	75.51	[71.54 - 79.65]	32.21
	10 to 14	51.97	[48.52 - 55.60]	57.26	[53.64 - 61.06]	10.19
	15 to 19	56.57	[53.05 - 60.26]	50.64	[47.21 - 54.24]	-10.49
	20 to 24	64.23	[60.49 - 68.14]	55.13	[51.76 - 58.65]	-14.17
	1 to 24	61.82	[60.08 - 63.59]	65.25	[63.51 - 67.02]	5.55

Table S18 Epilepsy rate per 100,000 population : IMD Quintile Category 1 (most deprived)

Sex	Age group	2007		2017		Percentage change 2007 - 2017
		Admission rate	Confidence Interval [CI]	Admission rate	Confidence Interval [CI]	
Both Sexes	1 to 4	105.91	[97.88 - 114.42]	101.80	[94.48 - 109.54]	-3.88
	5 to 9	76.26	[69.87 - 83.08]	76.34	[70.62 - 82.41]	0.11
	10 to 14	59.81	[54.26 - 65.77]	70.51	[64.59 - 76.82]	17.89
	15 to 19	84.18	[77.66 - 91.10]	73.85	[67.62 - 80.51]	-12.27
	20 to 24	84.89	[78.78 - 91.35]	73.84	[68.12 - 79.91]	-13.02
	1 to 24	81.67	[78.74 - 84.69]	78.88	[76.10 - 81.74]	-3.41
Female	1 to 4	98.76	[87.78 - 110.75]	106.48	[95.83 - 117.98]	7.81
	5 to 9	74.00	[65.09 - 83.78]	69.25	[61.53 - 77.69]	-6.41
	10 to 14	54.45	[46.96 - 62.79]	68.07	[59.85 - 77.11]	25.03
	15 to 19	86.01	[76.73 - 96.10]	76.91	[67.88 - 86.81]	-10.58
	20 to 24	78.73	[70.63 - 87.51]	66.84	[59.21 - 75.17]	-15.11
	1 to 24	77.92	[73.88 - 82.13]	76.66	[72.75 - 80.72]	-1.62
Male	1 to 4	112.73	[101.23 - 125.18]	97.35	[87.43 - 108.09]	-13.64
	5 to 9	78.43	[69.44 - 88.27]	83.09	[74.81 - 92.04]	5.94
	10 to 14	64.93	[56.91 - 73.76]	72.84	[64.50 - 81.96]	12.18
	15 to 19	82.37	[73.36 - 92.19]	70.94	[62.48 - 80.22]	-13.88
	20 to 24	91.54	[82.45 - 101.36]	80.82	[72.42 - 89.93]	-11.71
	1 to 24	85.38	[81.16 - 89.77]	81.03	[77.09 - 85.11]	-5.11

Table S19 Epilepsy rate per 100,000 population : Quintile Category 5 (least deprived)

Sex	Age group	2007		2017		Percentage change 2007 - 2017
		Admission rate	Confidence Interval [CI]	Admission rate	Confidence Interval [CI]	
Both Sexes	1 to 4	62.09	[54.97 - 69.88]	64.51	[57.29 - 72.40]	3.90
	5 to 9	42.28	[37.20 - 47.86]	55.63	[49.99 - 61.73]	31.56
	10 to 14	37.77	[33.19 - 42.81]	40.62	[35.79 - 45.93]	7.54
	15 to 19	32.81	[28.56 - 37.51]	34.78	[30.28 - 39.77]	6.03
	20 to 24	34.84	[29.86 - 40.42]	47.11	[41.40 - 53.39]	35.20
	1 to 24	40.85	[38.54 - 43.28]	47.66	[45.16 - 50.27]	16.66
Female	1 to 4	61.22	[51.22 - 72.60]	48.68	[39.85 - 58.88]	-20.48
	5 to 9	45.77	[38.30 - 54.28]	59.46	[51.20 - 68.67]	29.90
	10 to 14	31.05	[25.21 - 37.84]	39.91	[33.14 - 47.65]	28.54
	15 to 19	31.92	[26.00 - 38.78]	43.52	[36.36 - 51.68]	36.37
	20 to 24	25.73	[19.68 - 33.05]	58.47	[49.28 - 68.88]	127.26
	1 to 24	38.16	[34.96 - 41.57]	49.79	[46.13 - 53.66]	30.47
Male	1 to 4	62.92	[53.03 - 74.12]	79.49	[68.39 - 91.88]	26.34
	5 to 9	38.96	[32.25 - 46.66]	51.98	[44.46 - 60.41]	33.42
	10 to 14	44.15	[37.30 - 51.89]	41.30	[34.58 - 48.94]	-6.45
	15 to 19	33.64	[27.73 - 40.45]	26.53	[21.17 - 32.85]	-21.13
	20 to 24	43.08	[35.51 - 51.80]	37.03	[30.19 - 44.95]	-14.06
	1 to 24	43.39	[40.07 - 46.90]	45.67	[42.28 - 49.26]	5.27

Table S20 Diabetes mellitus rate per 100,000 population : England

Sex	Age group	2007		2017		Percentage change 2007 - 2017
		Admission rate	Confidence Interval [CI]	Admission rate	Confidence Interval [CI]	
Both Sexes	1 to 4	21.07	[19.27 - 22.98]	20.94	[19.26 - 22.73]	-0.61
	5 to 9	33.80	[31.73 - 35.97]	35.94	[33.98 - 37.98]	6.32
	10 to 14	70.91	[68.01 - 73.90]	67.47	[64.63 - 70.39]	-4.85
	15 to 19	95.15	[91.87 - 98.52]	104.30	[100.75 - 107.95]	9.62
	20 to 24	70.14	[67.36 - 73.00]	105.02	[101.66 - 108.45]	49.73
	1 to 24	61.03	[59.80 - 62.28]	68.09	[66.82 - 69.38]	11.57
Female	1 to 4	20.10	[17.62 - 22.84]	20.81	[18.43 - 23.41]	3.53
	5 to 9	34.14	[31.18 - 37.30]	37.90	[35.04 - 40.94]	11.03
	10 to 14	74.81	[70.56 - 79.25]	70.29	[66.17 - 74.60]	-6.04
	15 to 19	106.87	[101.92 - 112.01]	113.82	[108.52 - 119.31]	6.50
	20 to 24	75.20	[71.14 - 79.44]	116.16	[111.12 - 121.38]	54.46
	1 to 24	65.53	[63.71 - 67.39]	73.32	[71.43 - 75.24]	11.90
Male	1 to 4	21.99	[19.45 - 24.77]	21.06	[18.73 - 23.61]	-4.21
	5 to 9	33.48	[30.62 - 36.54]	34.07	[31.42 - 36.88]	1.75
	10 to 14	67.19	[63.26 - 71.30]	64.78	[60.92 - 68.82]	-3.59
	15 to 19	83.88	[79.58 - 88.35]	95.28	[90.56 - 100.18]	13.59
	20 to 24	65.10	[61.34 - 69.04]	94.45	[90.03 - 99.04]	45.08
	1 to 24	56.70	[55.03 - 58.39]	63.12	[61.42 - 64.86]	11.33

Table S21 Diabetes mellitus rate per 100,000 population : IMD Quintile Category 1 (most deprived)

Sex	Age group	2007		2017		Percentage change 2007 - 2017
		Admission rate	Confidence Interval [CI]	Admission rate	Confidence Interval [CI]	
Both Sexes	1 to 4	22.40	[18.79 - 26.50]	24.45	[20.94 - 28.40]	9.17
	5 to 9	35.07	[30.79 - 39.79]	38.98	[34.93 - 43.38]	11.15
	10 to 14	81.76	[75.25 - 88.69]	80.35	[74.02 - 87.06]	-1.73
	15 to 19	127.16	[119.11 - 135.61]	148.99	[140.08 - 158.33]	17.17
	20 to 24	99.27	[92.65 - 106.24]	142.27	[134.29 - 150.61]	43.31
	1 to 24	76.11	[73.27 - 79.02]	86.75	[83.83 - 89.75]	13.99
Female	1 to 4	22.25	[17.21 - 28.30]	25.67	[20.59 - 31.63]	15.39
	5 to 9	39.52	[33.09 - 46.84]	38.08	[32.41 - 44.46]	-3.66
	10 to 14	89.88	[80.18 - 100.43]	89.29	[79.83 - 99.56]	-0.65
	15 to 19	157.96	[145.29 - 171.44]	167.04	[153.59 - 181.34]	5.75
	20 to 24	103.91	[94.57 - 113.92]	150.26	[138.71 - 162.52]	44.61
	1 to 24	86.41	[82.14 - 90.83]	93.82	[89.49 - 98.30]	8.58
Male	1 to 4	22.55	[17.58 - 28.49]	23.30	[18.58 - 28.84]	3.33
	5 to 9	30.80	[25.27 - 37.19]	39.85	[34.18 - 46.19]	29.36
	10 to 14	74.01	[65.43 - 83.40]	71.78	[63.50 - 80.84]	-3.01
	15 to 19	96.78	[86.99 - 107.38]	131.83	[120.20 - 144.27]	36.21
	20 to 24	94.27	[85.04 - 104.22]	134.30	[123.41 - 145.90]	42.47
	1 to 24	65.90	[62.20 - 69.77]	79.95	[76.04 - 84.01]	21.32

Table S22 Diabetes mellitus rate per 100,000 population : Quintile Category 5 (least deprived)

Sex	Age group	2007		2017		Percentage change 2007 - 2017
		Admission rate	Confidence Interval [CI]	Admission rate	Confidence Interval [CI]	
Both Sexes	1 to 4	18.06	[14.32 - 22.48]	18.53	[14.76 - 22.97]	2.58
	5 to 9	33.66	[29.14 - 38.67]	31.34	[27.15 - 36.00]	-6.89
	10 to 14	56.89	[51.23 - 63.00]	59.58	[53.69 - 65.93]	4.73
	15 to 19	66.84	[60.71 - 73.42]	61.11	[55.09 - 67.61]	-8.56
	20 to 24	51.67	[45.55 - 58.37]	81.34	[73.77 - 89.47]	57.43
	1 to 24	47.35	[44.85 - 49.95]	51.10	[48.51 - 53.80]	7.93
Female	1 to 4	19.02	[13.65 - 25.80]	21.58	[15.86 - 28.70]	13.51
	5 to 9	33.64	[27.28 - 41.03]	34.71	[28.47 - 41.91]	3.19
	10 to 14	62.73	[54.30 - 72.11]	59.21	[50.90 - 68.50]	-5.61
	15 to 19	67.63	[58.87 - 77.32]	67.63	[58.62 - 77.63]	0.01
	20 to 24	61.58	[52.00 - 72.42]	104.27	[91.86 - 117.88]	69.32
	1 to 24	50.69	[46.99 - 54.60]	57.55	[53.62 - 61.70]	13.55
Male	1 to 4	17.16	[12.20 - 23.46]	15.64	[10.95 - 21.65]	-8.87
	5 to 9	33.68	[27.46 - 40.88]	28.13	[22.68 - 34.50]	-16.47
	10 to 14	51.35	[43.94 - 59.65]	59.93	[51.77 - 69.01]	16.70
	15 to 19	66.10	[57.69 - 75.39]	54.97	[47.10 - 63.77]	-16.84
	20 to 24	42.70	[35.16 - 51.38]	60.98	[52.11 - 70.93]	42.81
	1 to 24	44.21	[40.86 - 47.75]	45.06	[41.70 - 48.63]	1.93

Table S23 Asthma rate per 100,000 population : England

Sex	Age group	2007		2017		Percentage change 2007 - 2017
		Admission rate	Confidence Interval [CI]	Admission rate	Confidence Interval [CI]	
Both Sexes	1 to 4	442.32	[433.95 - 450.80]	234.27	[228.57 - 240.08]	-47.04
	5 to 9	220.49	[215.16 - 225.93]	254.16	[248.90 - 259.50]	15.27
	10 to 14	114.82	[111.12 - 118.62]	153.98	[149.69 - 158.36]	34.10
	15 to 19	76.28	[73.34 - 79.30]	97.61	[94.17 - 101.13]	27.96
	20 to 24	83.00	[79.98 - 86.12]	98.07	[94.83 - 101.39]	18.15
	1 to 24	171.25	[169.18 - 173.34]	166.23	[164.25 - 168.24]	-2.93
Female	1 to 4	312.43	[302.40 - 322.71]	169.27	[162.36 - 176.41]	-45.82
	5 to 9	168.47	[161.82 - 175.32]	195.56	[188.98 - 202.30]	16.08
	10 to 14	97.01	[92.16 - 102.04]	139.28	[133.46 - 145.30]	43.58
	15 to 19	100.88	[96.06 - 105.87]	132.91	[127.18 - 138.84]	31.76
	20 to 24	109.66	[104.75 - 114.75]	141.05	[135.48 - 146.78]	28.62
	1 to 24	148.18	[145.43 - 150.96]	155.83	[153.07 - 158.62]	5.16
Male	1 to 4	566.06	[552.85 - 579.50]	296.04	[287.10 - 305.19]	-47.70
	5 to 9	270.20	[261.95 - 278.65]	310.03	[301.93 - 318.30]	14.74
	10 to 14	131.80	[126.27 - 137.50]	167.96	[161.71 - 174.39]	27.44
	15 to 19	52.62	[49.23 - 56.19]	64.12	[60.26 - 68.17]	21.85
	20 to 24	56.54	[53.03 - 60.21]	57.33	[53.90 - 60.93]	1.41
	1 to 24	193.49	[190.41 - 196.61]	176.12	[173.27 - 179.02]	-8.98



Table S24 Asthma rate per 100,000 population : IMD Quintile Category 1 (most deprived)

Sex	Age group	2007		2017		Percentage change 2007 - 2017
		Admission rate	Confidence Interval [CI]	Admission rate	Confidence Interval [CI]	
Both Sexes	1 to 4	633.30	[613.44 - 653.64]	322.89	[309.75 - 336.45]	-49.01
	5 to 9	317.41	[304.23 - 331.02]	370.35	[357.62 - 383.43]	16.68
	10 to 14	167.74	[158.36 - 177.54]	242.39	[231.31 - 253.86]	44.50
	15 to 19	114.57	[106.94 - 122.60]	154.86	[145.77 - 164.37]	35.17
	20 to 24	124.12	[116.71 - 131.89]	145.15	[137.09 - 153.57]	16.94
	1 to 24	254.41	[249.21 - 259.69]	248.84	[243.88 - 253.88]	-2.19
Female	1 to 4	459.78	[435.70 - 484.84]	228.13	[212.42 - 244.69]	-50.38
	5 to 9	242.79	[226.43 - 260.03]	286.78	[270.81 - 303.44]	18.12
	10 to 14	148.07	[135.54 - 161.44]	219.65	[204.66 - 235.44]	48.34
	15 to 19	151.07	[138.68 - 164.27]	193.75	[179.25 - 209.11]	28.25
	20 to 24	148.77	[137.55 - 160.66]	202.67	[189.22 - 216.83]	36.23
	1 to 24	218.71	[211.89 - 225.69]	227.74	[220.97 - 234.66]	4.13
Male	1 to 4	799.11	[767.97 - 831.18]	412.99	[392.28 - 434.51]	-48.32
	5 to 9	389.03	[368.65 - 410.23]	449.86	[430.30 - 470.09]	15.64
	10 to 14	186.54	[172.76 - 201.12]	264.16	[248.05 - 281.05]	41.62
	15 to 19	78.57	[69.77 - 88.17]	117.86	[106.88 - 129.66]	50.02
	20 to 24	97.48	[88.09 - 107.60]	87.78	[79.01 - 97.25]	-9.96
	1 to 24	289.77	[281.95 - 297.75]	269.15	[261.93 - 276.52]	-7.12

Table S25 Asthma rate per 100,000 population : Quintile Category 5 (least deprived)

Sex	Age group	2007		2017		Percentage change 2007 - 2017
		Admission rate	Confidence Interval [CI]	Admission rate	Confidence Interval [CI]	
Both Sexes	1 to 4	289.91	[274.27 - 306.21]	152.91	[141.68 - 164.81]	-47.25
	5 to 9	145.96	[136.39 - 156.04]	168.13	[158.22 - 178.50]	15.19
	10 to 14	79.09	[72.40 - 86.24]	82.36	[75.41 - 89.78]	4.13
	15 to 19	51.35	[46.00 - 57.16]	54.61	[48.93 - 60.77]	6.34
	20 to 24	56.67	[50.26 - 63.67]	76.72	[69.38 - 84.63]	35.38
	1 to 24	115.65	[111.72 - 119.68]	105.64	[101.90 - 109.49]	-8.65
Female	1 to 4	211.02	[192.07 - 231.33]	104.71	[91.56 - 119.22]	-50.38
	5 to 9	112.35	[100.45 - 125.27]	126.95	[114.74 - 140.11]	12.99
	10 to 14	57.35	[49.30 - 66.34]	72.30	[63.08 - 82.49]	26.07
	15 to 19	71.10	[62.11 - 81.02]	82.70	[72.70 - 93.68]	16.31
	20 to 24	82.25	[71.11 - 94.64]	120.63	[107.25 - 135.21]	46.66
	1 to 24	100.50	[95.27 - 105.94]	100.59	[95.37 - 106.03]	0.09
Male	1 to 4	364.75	[340.34 - 390.45]	198.51	[180.73 - 217.57]	-45.58
	5 to 9	177.97	[163.26 - 193.65]	207.32	[192.01 - 223.53]	16.49
	10 to 14	99.70	[89.27 - 111.03]	91.91	[81.74 - 103.00]	-7.82
	15 to 19	32.75	[26.92 - 39.47]	28.11	[22.58 - 34.60]	-14.15
	20 to 24	33.55	[26.91 - 41.34]	37.75	[30.85 - 45.74]	12.52
	1 to 24	129.89	[124.11 - 135.86]	110.37	[105.07 - 115.88]	-15.02