Annex C: Coefficients for the specialised services model

This annex is part of the [Prescribed specialised services needs-based allocations methodology document](https://www.england.nhs.uk/long-read/prescribed-specialised-services-needs-based-allocations-methodology/).

| **Variable label** | **2018/19 Model**  **Coefficient** | **Significance (shaded are significant) P>t** |  | **2019/20 Model Coefficient** | **Significance (shaded are significant) P>t** |
| --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |
| **Constant** | -17.10 | 0.647 |  | 207.87 | 0.124 |
|  |  |  |  |  |  |
| **Age and gender** |  |  |  |  |  |
| male | 26.57 | 0 |  | -0.58 | 0.923 |
| Age <1 | -116.13 | 0 |  | -145.54 | 0 |
| Age 1-4 | 117.76 | 0 |  | 151.31 | 0 |
| Age 5-9 | 1.07 | 0.461 |  | -2.59 | 0.137 |
| Age 10-14 | 5.49 | 0 |  | 5.06 | 0 |
| Age 15-19 | -24.15 | 0 |  | -27.19 | 0 |
| Age 20-24 | 15.41 | 0 |  | 19.19 | 0 |
| Age 25-29 | 1.20 | 0.22 |  | 0.44 | 0.714 |
| Age 30-34 | 1.18 | 0.216 |  | 1.43 | 0.21 |
| Age 35-39 | -0.47 | 0.632 |  | -0.81 | 0.485 |
| Age 40-44 | 1.26 | 0.208 |  | 1.35 | 0.258 |
| Age 45-49 | 0.23 | 0.82 |  | 0.39 | 0.748 |
| Age 50-54 | -1.98 | 0.045 |  | -2.22 | 0.063 |
| Age 55-59 | 1.98 | 0.049 |  | 2.87 | 0.017 |
| Age 60-64 | 0.91 | 0.397 |  | -0.27 | 0.83 |
| Age 65-69 | -3.62 | 0.001 |  | -3.07 | 0.022 |
| Age 70-74 | -0.16 | 0.893 |  | -1.71 | 0.222 |
| Age 75-79 | -10.36 | 0 |  | -9.46 | 0 |
| Age 80-84 | -6.27 | 0 |  | -9.10 | 0 |
| Age 85+ | 11.85 | 0 |  | 14.66 | 0 |
|  |  |  |  |  |  |
| Male: Age <1 | -29.62 | 0 |  | -17.20 | 0.019 |
| Male: Age 1-4 | 32.82 | 0 |  | 26.15 | 0.001 |
| Male: Age 5-9 | -2.63 | 0.163 |  | -11.60 | 0 |
| Male: Age 10-14 | -1.71 | 0.262 |  | 3.77 | 0.04 |
| Male: Age 15-19 | 2.77 | 0.069 |  | 0.19 | 0.918 |
| Male: Age 20-24 | -2.05 | 0.164 |  | -2.05 | 0.249 |
| Male: Age 25-29 | -0.42 | 0.76 |  | -0.01 | 0.996 |
| Male: Age 30-34 | -0.46 | 0.73 |  | -0.93 | 0.566 |
| Male: Age 35-39 | 1.18 | 0.388 |  | 1.84 | 0.259 |
| Male: Age 40-44 | 0.37 | 0.793 |  | -0.26 | 0.877 |
| Male: Age 45-49 | 0.29 | 0.835 |  | 1.17 | 0.485 |
| Male: Age 50-54 | 4.88 | 0 |  | 3.48 | 0.036 |
| Male: Age 55-59 | -0.22 | 0.876 |  | 0.10 | 0.953 |
| Male: Age 60-64 | 0.86 | 0.57 |  | 3.48 | 0.053 |
| Male: Age 65-69 | 0.00 | 1 |  | -2.61 | 0.172 |
| Male: Age 70-74 | 0.20 | 0.906 |  | 3.00 | 0.137 |
| Male: Age 75-79 | -7.49 | 0 |  | -13.14 | 0 |
| Male: Age 80-84 | -13.41 | 0 |  | -10.18 | 0 |
| Male: Age 85+ | 0.07 | 0.971 |  | -1.11 | 0.625 |
|  |  |  |  |  |  |
| **Diagnoses** |  |  |  |  |  |
| A00-A09 Intestinal infectious diseases | -37.33 | 0 |  | 38.10 | 0 |
| A15-A19 Tuberculosis | 332.38 | 0 |  | 189.81 | 0 |
| A20-A49 Certain bacterial diseases | 75.34 | 0 |  | 186.41 | 0 |
| A50-A64 Infections with predominantly sexual mode of transmission | -577.88 | 0.759 |  | -188.87 | 0.825 |
| A65-A79 Other infectious and parasitic disorders | -33.84 | 0.501 |  | 142.88 | 0.009 |
| A80-A89 Viral infections of the central nervous system | -398.92 | 0 |  | -383.38 | 0 |
| A90-A99 Arthropod-borne viral fevers & viral haemorrhagic fevers | -190.17 | 0.04 |  | -467.00 | 0 |
| B00-B09 Viral infections characterized by skin & mucous mem. lesns. | 129.68 | 0 |  | 126.20 | 0 |
| B15-B19 Viral hepatitis | 700.93 | 0 |  | 592.90 | 0 |
| B25-B34 Other viral diseases | -52.43 | 0 |  | 70.41 | 0 |
| B35-B49 Mycoses | 174.60 | 0 |  | 441.01 | 0 |
| B50-B64 Protozoal diseases | -118.16 | 0 |  | 128.18 | 0 |
| B65-B83 Helminthiases | -82.33 | 0.003 |  | 168.28 | 0 |
| B85-B99 Other infectious and parasitic diseases | 157.81 | 0 |  | 318.07 | 0 |
| C00-C14 Malignant neoplasm of liporal cavity and pharynx | 752.46 | 0 |  | 888.43 | 0 |
| C15-C26 Malignant neoplasm of digestive organs | 828.52 | 0 |  | 862.79 | 0 |
| C30-C39 Malignant neoplasms of respiratory & intrathoracic organs | 1369.10 | 0 |  | 1687.62 | 0 |
| C40-C41 Malignant neoplasm of bone and articular cartilage | 1579.50 | 0 |  | 1711.76 | 0 |
| C43-C44 Malignant neoplasms of skin | 77.34 | 0 |  | 98.01 | 0 |
| C45-C49 Malignant neoplasms of mesothelial and soft tissue | 1417.49 | 0 |  | 1619.25 | 0 |
| C50 Malignant neoplasm of breast | 519.17 | 0 |  | 511.78 | 0 |
| C51-C58 Malignant neoplasms of female genital organs | 648.03 | 0 |  | 662.60 | 0 |
| C60-C63 Malignant neoplasms of male genital organs | 368.14 | 0 |  | 393.90 | 0 |
| C64-C68 Malignant neoplasms of urinary tract | 495.76 | 0 |  | 438.31 | 0 |
| C69-C72 Malignant neoplasms of eye, brain & other parts of CNS | 2481.99 | 0 |  | 2565.52 | 0 |
| C73-C80, C97 Malignant neoplsm. of thyroid and oth. endo. Glands etc. | 1667.33 | 0 |  | 1831.96 | 0 |
| C81-C96 Malignant neoplasms of lymphoid, haematopoietic & rel. tiss. | 2084.87 | 0 |  | 2112.15 | 0 |
| D00-D48 In situ & benign neoplasms and others of uncertainty | 20.30 | 0 |  | 50.90 | 0 |
| D50-D64 Anaemias | 28.43 | 0 |  | -26.77 | 0 |
| D65-D89 Diseases of the blood and blood-forming organs | 133.34 | 0 |  | 159.11 | 0 |
| E00-E07 Disorders of thyroid gland | -77.07 | 0 |  | -76.78 | 0 |
| E10-E14 Diabetes Mellitus | -8.94 | 0 |  | 6.09 | 0.027 |
| E15-E90 Endocrine nutritional and metabolic diseases | 29.36 | 0 |  | 44.77 | 0 |
| F00-F03 Dementia | -234.88 | 0 |  | -273.29 | 0 |
| F04-F09 Other organic including symptomatic mental disorders | -197.32 | 0 |  | -213.74 | 0 |
| F10-F19 Mental and behavioural disorders due to psychoactive subst. | -65.51 | 0 |  | -37.19 | 0 |
| F20-F29 Schizophrenia, schizotypal and delusional disorders | -101.24 | 0 |  | -88.46 | 0 |
| F30-F39 Mood [affective] disorders | -97.35 | 0 |  | -95.42 | 0 |
| F40-F69 Neurotic, behavioural & personality disorders | -68.68 | 0 |  | -55.41 | 0 |
| F70-F79 Mental retardation | -37.75 | 0.003 |  | -138.57 | 0 |
| F80-F99 Other mental and behavioural disorders | 125.18 | 0 |  | 224.22 | 0 |
| G00-G09 Inflammatory diseases of the central nervous system | 694.72 | 0 |  | 941.43 | 0 |
| G10-G14, G30-G32 Other degenerative diseases (incl. Alzheimer). | 108.26 | 0 |  | 177.18 | 0 |
| G20-G26 Extrapyramidal & movement disorders (incl. Parkinsonism). | 127.34 | 0 |  | 241.42 | 0 |
| G35-G37 Demyelinating diseases (incl Multiple Sclerosis) of the CNS. | 1081.71 | 0 |  | 1280.19 | 0 |
| G40-G47 Epilepsymigraine & other episodic disorders | 70.73 | 0 |  | 157.81 | 0 |
| G50-G73 G90-G99 Other diseases & disorders of the nervous syst. | 266.63 | 0 |  | 428.39 | 0 |
| G80-G83 Cerebral palsy & other paralytic syndromes | 309.28 | 0 |  | 499.20 | 0 |
| H00-H06, H15-H22, H30-H36, H43-H59 Other disorders of the eye etc. | 0.19 | 0.953 |  | 20.59 | 0 |
| H10-H13 Disorders of conjunctiva (including conjunctivitis) | -61.90 | 0 |  | -36.54 | 0.002 |
| H25-H28 Disorders of lens (including cataracts) | -117.32 | 0 |  | -128.70 | 0 |
| H40-H42 Glaucoma | -110.57 | 0 |  | -121.69 | 0 |
| H60-H95 Diseases of the ear and mastoid process | 7.43 | 0.106 |  | -15.69 | 0.014 |
| I00-I09 Rheumatic heart disease | 151.50 | 0 |  | 206.13 | 0 |
| I10-I15 Hypertensive diseases | -55.48 | 0 |  | -59.28 | 0 |
| I20-I25 Ischaemic heart diseases | 32.83 | 0 |  | 34.50 | 0 |
| I26-I28 Pulmonary heart disease & diseases of pulmonary circulation | 43.83 | 0 |  | 59.22 | 0 |
| I30-I52 Other forms of heart disease | 96.50 | 0 |  | 114.90 | 0 |
| I60-I69 Cerebrovascular diseases | -64.84 | 0 |  | -43.74 | 0 |
| I70-I79 Diseases of arteries, arterioles & capillaries | 169.84 | 0 |  | 224.39 | 0 |
| I80-I89 Diseases of veins & lymphatic system nec. | -50.21 | 0 |  | -45.80 | 0 |
| I95-I99 Other & unspecified disorders of the circulatory system | -77.12 | 0 |  | -80.04 | 0 |
| J00-J06 Acute upper respiratory infections | -32.93 | 0 |  | -56.54 | 0 |
| J09-J18 Influenza & pneumonia | -59.08 | 0 |  | -24.29 | 0 |
| J20-J22 Other acute lower respiratory infections | 21.28 | 0 |  | 44.95 | 0 |
| J30-J39 Other diseases of upper respiratory tract | -73.56 | 0 |  | -37.40 | 0 |
| J40-J47 Chronic lower respiratory diseases | -119.84 | 0 |  | -103.35 | 0 |
| J60-J70 Lung diseases due to external agents | -206.55 | 0 |  | -99.28 | 0 |
| J80-J99 Other diseases of the respiratory system | 92.00 | 0 |  | 205.29 | 0 |
| K00-K14 Diseases of oral cavity, salivary glands & jaws | 258.24 | 0 |  | 398.12 | 0 |
| K20-K31 Diseases of oesophagusstomach & duodenum | -76.95 | 0 |  | -72.48 | 0 |
| K35-K38 Diseases of appendix | -134.69 | 0 |  | -160.47 | 0 |
| K40-K46 Hernia | -127.29 | 0 |  | -142.57 | 0 |
| K50-K52 Noninfective enteritis & colitis | -37.85 | 0 |  | -17.93 | 0 |
| K55-K64 Other diseases of intestines | -82.12 | 0 |  | -81.32 | 0 |
| K65-K67 Diseases of peritoneum | -126.19 | 0 |  | -60.34 | 0 |
| K70-K77 Diseases of liver | 59.22 | 0 |  | 106.40 | 0 |
| K80-K87 Disorders of gall bladder, biliary tract & pancreas | -11.37 | 0.001 |  | 13.48 | 0.001 |
| K90-K93 Other diseases of the digestive system | -69.15 | 0 |  | -32.06 | 0 |
| L00-L14 L55-L99 Other infections and disorders of the skin | -65.73 | 0 |  | -73.03 | 0 |
| L20-L30 Dermatitis and eczema | 48.85 | 0 |  | 91.58 | 0 |
| L40-L45 Papulosquamous disorders (including Psoriasis) | -5.35 | 0.432 |  | 15.67 | 0.041 |
| L50-L54 Urticaria and erythems | 56.48 | 0 |  | 113.67 | 0 |
| M00-M25 Arthropathies | -85.85 | 0 |  | -85.83 | 0 |
| M30-M36 Systemic connective tissue disorders | 108.11 | 0 |  | 73.25 | 0 |
| M40-M54 Dorsopathies | -53.77 | 0 |  | -46.41 | 0 |
| M60-M79 Soft tissue disorders | -79.47 | 0 |  | -74.09 | 0 |
| M80-M94 Osteopathies and chondropathies | -6.32 | 0.064 |  | 2.36 | 0.544 |
| M95-M99 Other disorders of the musculoskeletal system & conn. tiss. | -113.00 | 0 |  | -113.43 | 0 |
| N00-N08, N10-N16 Diseases of the kidney | 433.70 | 0 |  | 422.58 | 0 |
| N17-N19 Renal failure | 170.51 | 0 |  | 147.87 | 0 |
| N20-N23 Urolithiasis | -280.98 | 0 |  | -307.97 | 0 |
| N25-N29 Other disorders of kidney & ureter | 260.17 | 0 |  | 251.39 | 0 |
| N30-N39 Other diseases of the urinary system | -212.09 | 0 |  | -234.41 | 0 |
| N40-N51 Diseases of male genital organs | -138.92 | 0 |  | -141.83 | 0 |
| N60-N64 Disorders of breast | -111.12 | 0 |  | -145.64 | 0 |
| N70-N77 Inflammatory diseases of female pelvic organs | -114.40 | 0 |  | -123.10 | 0 |
| N80-N98 Noninflammatory disorders of female genital tract | -81.72 | 0 |  | -92.47 | 0 |
| N99 Other disorders of the genitourinary system | -576.23 | 0 |  | -683.70 | 0 |
| O00-O08 Pregnancy with abortive outcome | -55.42 | 0 |  | -43.75 | 0 |
| O10-O75, O85-O92, O94-O99 Complications of labour and delivery | -72.77 | 0 |  | -58.71 | 0 |
| O80-O84 Delivery | -66.89 | 0 |  | -52.15 | 0 |
| P00-P04 Complications of foetus/neonate affected by maternal | -47.16 | 0 |  | -113.78 | 0 |
| P05-P96 Other conditions originating in the perinatal period | -132.61 | 0 |  | -178.15 | 0 |
| Q00-Q89 Congenital malformations | 142.40 | 0 |  | 70.51 | 0 |
| Q90-Q99 Chromosomal abnormalities nec. | 453.84 | 0 |  | 403.17 | 0 |
| R00-R09 Symptoms & signs inv. the circulatory/respiratory system | -28.97 | 0 |  | -10.67 | 0 |
| R10-R19 Symptoms & signs inv. the digestive system & abdomen | -71.26 | 0 |  | -47.74 | 0 |
| R20-R23 Symptoms & signs inv. the skin & subcutaneous tissue | 33.45 | 0 |  | 94.65 | 0 |
| R25-R29 Symptoms & signs inv. the nervous & musculoskeletal sys. | -158.82 | 0 |  | -208.93 | 0 |
| R30-R39 Symptoms & signs involving the urinary system | -164.99 | 0 |  | -183.18 | 0 |
| R40-R46 Symptoms & signs inv. Cognition, perception etc. | -112.48 | 0 |  | -104.76 | 0 |
| R47-R49 Symptoms & signs inv. speech & voice | -21.18 | 0.004 |  | -17.44 | 0.038 |
| R50-R68 General symptoms & signs | -0.45 | 0.833 |  | 17.94 | 0 |
| R69 Unknown & unspecified causes of morbidity | -371.91 | 0 |  | -270.21 | 0 |
| R70-R89 Abnormal findings of bodily fluids or samples without diag. | 39.24 | 0 |  | 103.39 | 0 |
| R90-R94 Abnormal findings on diagnostic imaging/function studies | 49.23 | 0 |  | 51.54 | 0 |
| R95-R99 Ill-defined & unknown causes of mortality | 65.85 | 0.864 |  | 342.43 | 0.44 |
| S00-S09 Injuries to the head | -15.40 | 0 |  | 12.95 | 0.008 |
| S10-S19 Injuries to the neck | 436.25 | 0 |  | 667.83 | 0 |
| S20-S29 Injuries to the thorax | 63.37 | 0 |  | 85.74 | 0 |
| S30-S39 Injuries to abdomen, lower back, lumbar spine & pelvis | -19.42 | 0.003 |  | -34.37 | 0 |
| S40-S49 Injuries to the shoulder & upper arm | -55.30 | 0 |  | -34.25 | 0 |
| S50-S59 Injuries to the elbow & forearm | -53.68 | 0 |  | -27.20 | 0 |
| S60-S69 Injuries to the wrist & hand | -26.92 | 0 |  | 11.19 | 0.05 |
| S70-S79 Injuries to the hip & thigh | -121.73 | 0 |  | -135.40 | 0 |
| S80-S89 Injuries to the knee & lower leg | -55.95 | 0 |  | -52.81 | 0 |
| S90-S99 Injuries to the ankle & foot | -54.41 | 0 |  | -40.40 | 0 |
| T00-T07 Injuries involving multiple body regions | -80.69 | 0 |  | -44.72 | 0.006 |
| T08-T14 Injuries to unspecified part of trunk limb or body | -37.14 | 0.04 |  | 4.98 | 0.808 |
| T15-T19 Effects of foreign body entering through natural orifice | -7.41 | 0.494 |  | 139.86 | 0 |
| T20-T32 Burns and corrosions | -104.64 | 0 |  | -62.95 | 0 |
| T33-T35 Frostbite | 1911.53 | 0 |  | -175.61 | 0.42 |
| T36-T50 Poisonings by drugs medicaments & biological substances | -171.41 | 0 |  | -178.71 | 0 |
| T51-T65 Tox. effcts. of substances. chiefly non-medicinal as to source | -38.01 | 0 |  | -50.77 | 0 |
| T66-T78 Other and unspecified effects of external causes | -157.96 | 0 |  | -225.40 | 0 |
| T79 Certain early complications of trauma | -88.07 | 0 |  | -77.70 | 0 |
| T80-T88 Complications of surgical & medical care nec. | 267.68 | 0 |  | 401.69 | 0 |
| T90-T98 Sequelae of injuries of poisoning & other consequences | -50.24 | 0 |  | -6.46 | 0.566 |
| VVV | -136.28 | 0 |  | -151.17 | 0 |
| WWW | -176.73 | 0 |  | -202.34 | 0 |
| XXX | -16.88 | 0 |  | 23.82 | 0 |
| YYY | -139.64 | 0 |  | -134.24 | 0 |
| Z00-Z13 Examination and investigation | -70.02 | 0 |  | -54.77 | 0 |
| Z20-Z29 Potential health hazards related to communicable diseases | 55.69 | 0 |  | 131.87 | 0 |
| Z30-Z39 Health services in circumstances related to reproduction | -116.65 | 0 |  | -101.50 | 0 |
| Z40-Z54 Persons encountering health services for specific care | 57.76 | 0 |  | 110.61 | 0 |
| Z55-Z65 Potential health hazards reltd. to socioeconomic & psychosoc.l | -91.57 | 0 |  | -50.71 | 0 |
| Z70-Z76 Persons encountering health services in other circs. | -64.81 | 0 |  | 34.26 | 0 |
| Z80-Z99 Persons with potential health hazards related to family | -23.08 | 0 |  | -1.43 | 0.491 |
| U Unclassified | -35.57 | 0 |  | 77.77 | 0 |
|  |  |  |  |  |  |
| **Comorbidities** |  |  |  |  |  |
| Neoplasms x Certain infectious and parasitic diseases |  |  |  | -75.73 | 0 |
| Diseases of the blood and blood-forming organs and certain disorders involving the immune mechanism x Certain infectious and parasitic diseases | 64.18 | 0 |  | 98.07 | 0 |
| Diseases of the blood and blood-forming organs and certain disorders involving the immune mechanism x Neoplasms | -139.35 | 0 |  | -148.20 | 0 |
| Endocrine, nutritional and metabolic diseases x Certain infectious and parasitic diseases | 199.46 | 0 |  | 234.25 | 0 |
| Endocrine, nutritional and metabolic diseases x Neoplasms | -40.92 | 0 |  | -57.71 | 0 |
| Endocrine, nutritional and metabolic diseases x Diseases of the blood and blood-forming organs and certain disorders involving the immune mechanism |  |  |  | 66.15 | 0 |
| Mental and behavioural disorders x Certain infectious and parasitic diseases | -128.52 | 0 |  | -159.49 | 0 |
| Mental and behavioural disorders x Diseases of the blood and blood-forming organs and certain disorders involving the immune mechanism | -149.30 | 0 |  | -128.94 | 0 |
| Mental and behavioural disorders x Endocrine, nutritional and metabolic diseases | -58.39 | 0 |  | -49.22 | 0 |
| Diseases of the nervous system x Diseases of the blood and blood-forming organs and certain disorders involving the immune mechanism | -41.72 | 0 |  |  |  |
| Diseases of the nervous system x Endocrine, nutritional and metabolic diseases | -75.49 | 0 |  | -128.60 | 0 |
| Diseases of the nervous system x Mental and behavioural disorders | -9.68 | 0.013 |  |  |  |
| Diseases of the eye and adnexa x Certain infectious and parasitic diseases | 82.95 | 0 |  | 41.29 | 0 |
| Diseases of the eye and adnexa x Neoplasms |  |  |  | -102.39 | 0 |
| Diseases of the eye and adnexa x Diseases of the nervous system | 126.94 | 0 |  | 135.55 | 0 |
| Diseases of the ear and mastoid process x Neoplasms | -67.49 | 0 |  |  |  |
| Diseases of the ear and mastoid process x Diseases of the blood and blood-forming organs and certain disorders involving the immune mechanism |  |  |  | 13.08 | 0.28 |
| Diseases of the ear and mastoid process x Endocrine, nutritional and metabolic diseases |  |  |  | 112.41 | 0 |
| Diseases of the ear and mastoid process x Mental and behavioural disorders |  |  |  | 39.53 | 0 |
| Diseases of the ear and mastoid process x Diseases of the nervous system |  |  |  | 31.50 | 0.001 |
| Diseases of the ear and mastoid process x Diseases of the eye and adnexa | -24.01 | 0.003 |  | -63.60 | 0 |
| Diseases of the circulatory system x Certain infectious and parasitic diseases | -180.86 | 0 |  | -194.81 | 0 |
| Diseases of the circulatory system x Neoplasms | -119.97 | 0 |  | -119.15 | 0 |
| Diseases of the circulatory system x Diseases of the blood and blood-forming organs and certain disorders involving the immune mechanism | -107.82 | 0 |  | -82.35 | 0 |
| Diseases of the circulatory system x Endocrine, nutritional and metabolic diseases | -50.02 | 0 |  | -66.36 | 0 |
| Diseases of the circulatory system x Mental and behavioural disorders | 72.78 | 0 |  |  |  |
| Diseases of the circulatory system x Diseases of the nervous system | -75.81 | 0 |  | -96.24 | 0 |
| Diseases of the circulatory system x Diseases of the eye and adnexa | -19.07 | 0 |  |  |  |
| Diseases of the circulatory system x Diseases of the ear and mastoid process | -79.37 | 0 |  | -150.58 | 0 |
| Diseases of the respiratory system x Certain infectious and parasitic diseases | 39.12 | 0 |  |  |  |
| Diseases of the respiratory system x Neoplasms | 21.65 | 0 |  |  |  |
| Diseases of the respiratory system x Diseases of the blood and blood-forming organs and certain disorders involving the immune mechanism | 75.96 | 0 |  | 17.78 | 0.002 |
| Diseases of the respiratory system x Endocrine, nutritional and metabolic diseases | 59.43 | 0 |  | 88.51 | 0 |
| Diseases of the respiratory system x Diseases of the circulatory system |  |  |  | -28.48 | 0 |
| Diseases of the digestive system x Certain infectious and parasitic diseases | 81.83 | 0 |  | 89.99 | 0 |
| Diseases of the digestive system x Neoplasms | 23.84 | 0 |  |  |  |
| Diseases of the digestive system x Diseases of the blood and blood-forming organs and certain disorders involving the immune mechanism | -145.40 | 0 |  | -113.83 | 0 |
| Diseases of the digestive system x Endocrine, nutritional and metabolic diseases | 31.28 | 0 |  |  |  |
| Diseases of the digestive system x Diseases of the nervous system | -37.60 | 0 |  | -55.74 | 0 |
| Diseases of the digestive system x Diseases of the circulatory system | -51.28 | 0 |  | -48.37 | 0 |
| Diseases of the digestive system x Diseases of the respiratory system | 60.79 | 0 |  | 95.79 | 0 |
| Diseases of the skin and subcutaneous tissue x Certain infectious and parasitic diseases | -116.10 | 0 |  | -186.22 | 0 |
| Diseases of the skin and subcutaneous tissue x Endocrine, nutritional and metabolic diseases | -54.57 | 0 |  | -45.72 | 0 |
| Diseases of the skin and subcutaneous tissue x Mental and behavioural disorders | 27.91 | 0 |  |  |  |
| Diseases of the skin and subcutaneous tissue x Diseases of the nervous system | 5.07 | 0.393 |  |  |  |
| Diseases of the skin and subcutaneous tissue x Diseases of the ear and mastoid process | 26.17 | 0.009 |  |  |  |
| Diseases of the skin and subcutaneous tissue x Diseases of the respiratory system |  |  |  | -13.13 | 0.01 |
| Diseases of the skin and subcutaneous tissue x Diseases of the digestive system | 43.20 | 0 |  | 86.26 | 0 |
| Diseases of the musculoskeletal system and connective tissue x Certain infectious and parasitic diseases |  |  |  | -4.00 | 0.452 |
| Diseases of the musculoskeletal system and connective tissue x Diseases of the blood and blood-forming organs and certain disorders involving the immune mechanism | -60.61 | 0 |  | -111.76 | 0 |
| Diseases of the musculoskeletal system and connective tissue x Endocrine, nutritional and metabolic diseases | -41.69 | 0 |  | -36.03 | 0 |
| Diseases of the musculoskeletal system and connective tissue x Mental and behavioural disorders | 50.96 | 0 |  | 91.75 | 0 |
| Diseases of the musculoskeletal system and connective tissue x Diseases of the nervous system | -124.81 | 0 |  | -172.25 | 0 |
| Diseases of the musculoskeletal system and connective tissue x Diseases of the eye and adnexa |  |  |  | 20.34 | 0 |
| Diseases of the musculoskeletal system and connective tissue x Diseases of the ear and mastoid process | 61.01 | 0 |  |  |  |
| Diseases of the musculoskeletal system and connective tissue x Diseases of the circulatory system | -66.08 | 0 |  | -62.79 | 0 |
| Diseases of the musculoskeletal system and connective tissue x Diseases of the respiratory system | 37.43 | 0 |  |  |  |
| Diseases of the musculoskeletal system and connective tissue x Diseases of the digestive system | 36.62 | 0 |  | 52.86 | 0 |
| Diseases of the genitourinary system x Certain infectious and parasitic diseases | -195.42 | 0 |  | -255.81 | 0 |
| Diseases of the genitourinary system x Neoplasms | -324.40 | 0 |  | -326.14 | 0 |
| Diseases of the genitourinary system x Diseases of the nervous system | -49.88 | 0 |  | -8.82 | 0.089 |
| Diseases of the genitourinary system x Diseases of the eye and adnexa |  |  |  | 61.58 | 0 |
| Diseases of the genitourinary system x Diseases of the ear and mastoid process | -107.77 | 0 |  | -118.51 | 0 |
| Diseases of the genitourinary system x Diseases of the circulatory system | 158.26 | 0 |  | 172.38 | 0 |
| Diseases of the genitourinary system x Diseases of the respiratory system | -117.72 | 0 |  | -86.41 | 0 |
| Diseases of the genitourinary system x Diseases of the digestive system | -79.03 | 0 |  | -73.22 | 0 |
| Diseases of the genitourinary system x Diseases of the skin and subcutaneous tissue | -97.49 | 0 |  | -47.89 | 0 |
| Diseases of the genitourinary system x Diseases of the musculoskeletal system and connective tissue | -78.31 | 0 |  | -81.23 | 0 |
| Pregnancy, childbirth, and the puerperium x Certain infectious and parasitic diseases | -153.24 | 0 |  | -251.68 | 0 |
| Pregnancy, childbirth and the puerperium x Diseases of the blood and blood-forming organs and certain disorders involving the immune mechanism | -232.57 | 0 |  | -204.71 | 0 |
| Pregnancy, childbirth and the puerperium x Endocrine, nutritional and metabolic diseases | -112.82 | 0 |  | -150.74 | 0 |
| Pregnancy, childbirth, and the puerperium x Diseases of the nervous system |  |  |  | -87.57 | 0 |
| Certain conditions originating in the perinatal period x Certain infectious and parasitic diseases | -169.21 | 0 |  | -268.78 | 0 |
| Certain conditions originating in the perinatal period x Neoplasms |  |  |  | -176.91 | 0 |
| Certain conditions originating in the perinatal period x Diseases of the blood and blood-forming organs and certain disorders involving the immune mechanism | 1385.32 | 0 |  | 2550.05 | 0 |
| Certain conditions originating in the perinatal period x Endocrine, nutritional and metabolic diseases | 520.88 | 0 |  | 768.35 | 0 |
| Certain conditions originating in the perinatal period x Mental and behavioural disorders | 1190.28 | 0 |  | 827.44 | 0 |
| Certain conditions originating in the perinatal period x Diseases of the nervous system | 838.92 | 0 |  | 1124.97 | 0 |
| Certain conditions originating in the perinatal period x Diseases of the eye and adnexa |  |  |  | -101.35 | 0 |
| Certain conditions originating in the perinatal period x Diseases of the ear and mastoid process | 837.27 | 0 |  | 1052.35 | 0 |
| Certain conditions originating in the perinatal period x Diseases of the circulatory system | 1358.66 | 0 |  | 2872.04 | 0 |
| Certain conditions originating in the perinatal period x Diseases of the respiratory system | -150.62 | 0 |  |  |  |
| Certain conditions originating in the perinatal period x Diseases of the digestive system | 193.87 | 0 |  | 408.60 | 0 |
| Certain conditions originating in the perinatal period x Diseases of the musculoskeletal system and connective tissue | 483.60 | 0 |  | 1743.35 | 0 |
| Certain conditions originating in the perinatal period x Diseases of the genitourinary system | 303.31 | 0 |  | 576.90 | 0 |
| Certain conditions originating in the perinatal period x Pregnancy, childbirth and the puerperium | -336.29 | 0.032 |  |  |  |
| Congenital malformations, deformations and chromosomal abnormalities x Certain infectious and parasitic diseases |  |  |  | 425.10 | 0 |
| Congenital malformations, deformations and chromosomal abnormalities x Neoplasms | -190.42 | 0 |  | -243.00 | 0 |
| Congenital malformations, deformations and chromosomal abnormalities x Diseases of the blood and blood-forming organs and certain disorders involving the immune mechanism | 452.89 | 0 |  | 734.70 | 0 |
| Congenital malformations, deformations and chromosomal abnormalities x Endocrine, nutritional and metabolic diseases |  |  |  | 107.07 | 0 |
| Congenital malformations, deformations and chromosomal abnormalities x Mental and behavioural disorders | -214.91 | 0 |  | -311.34 | 0 |
| Congenital malformations, deformations and chromosomal abnormalities x Diseases of the nervous system | 172.88 | 0 |  | 255.74 | 0 |
| Congenital malformations, deformations and chromosomal abnormalities x Diseases of the eye and adnexa | -90.06 | 0 |  | 118.11 | 0 |
| Congenital malformations, deformations and chromosomal abnormalities x Diseases of the ear and mastoid process | 180.50 | 0 |  | 233.95 | 0 |
| Congenital malformations, deformations and chromosomal abnormalities x Diseases of the circulatory system | 509.24 | 0 |  | 508.41 | 0 |
| Congenital malformations, deformations and chromosomal abnormalities x Diseases of the respiratory system |  |  |  | 95.78 | 0 |
| Congenital malformations, deformations and chromosomal abnormalities x Diseases of the digestive system | 29.63 | 0 |  |  |  |
| Congenital malformations, deformations and chromosomal abnormalities x Diseases of the skin and subcutaneous tissue | -24.54 | 0.027 |  |  |  |
| Congenital malformations, deformations and chromosomal abnormalities x Diseases of the musculoskeletal system and connective tissue | -57.64 | 0 |  |  |  |
| Congenital malformations, deformations and chromosomal abnormalities x Diseases of the genitourinary system | 223.44 | 0 |  | 106.43 | 0 |
| Congenital malformations, deformations and chromosomal abnormalities x Pregnancy, childbirth and the puerperium | -392.02 | 0 |  | -428.01 | 0 |
| Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified x Certain infectious and parasitic diseases |  |  |  | -109.03 | 0 |
| Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified x Neoplasms | 149.99 | 0 |  | 183.50 | 0 |
| Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified x Diseases of the blood and blood-forming organs and certain disorders involving the immune mechanism |  |  |  | -8.34 | 0.137 |
| Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified x Mental and behavioural disorders | 13.28 | 0 |  |  |  |
| Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified x Diseases of the nervous system | 54.93 | 0 |  | 53.89 | 0 |
| Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified x Diseases of the eye and adnexa |  |  |  | -21.65 | 0 |
| Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified x Diseases of the circulatory system | -71.46 | 0 |  |  |  |
| Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified x Diseases of the digestive system | 12.88 | 0 |  |  |  |
| Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified x Diseases of the musculoskeletal system and connective tissue | 62.76 | 0 |  | 68.75 | 0 |
| Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified x Diseases of the genitourinary system | -75.41 | 0 |  | -84.29 | 0 |
| Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified x Congenital malformations, deformations and chromosomal abnormalities | -19.93 | 0.004 |  |  |  |
| Injury, poisoning and certain other consequences of external causes x Certain infectious and parasitic diseases | 135.43 | 0 |  | 201.88 | 0 |
| Injury, poisoning and certain other consequences of external causes x Neoplasms | -365.83 | 0 |  | -312.56 | 0 |
| Injury, poisoning and certain other consequences of external causes x Diseases of the blood and blood-forming organs and certain disorders involving the immune mechanism | 134.81 | 0 |  | 243.70 | 0 |
| Injury, poisoning and certain other consequences of external causes x Endocrine, nutritional and metabolic diseases | 60.28 | 0 |  |  |  |
| Injury, poisoning and certain other consequences of external causes x Mental and behavioural disorders |  |  |  | -25.20 | 0 |
| Injury, poisoning and certain other consequences of external causes x Diseases of the nervous system |  |  |  | 115.46 | 0 |
| Injury, poisoning and certain other consequences of external causes x Diseases of the digestive system | -22.84 | 0 |  |  |  |
| Injury, poisoning and certain other consequences of external causes x Diseases of the skin and subcutaneous tissue | 11.85 | 0.035 |  | 114.63 | 0 |
| Injury, poisoning and certain other consequences of external causes x Diseases of the musculoskeletal system and connective tissue |  |  |  | -74.89 | 0 |
| Injury, poisoning and certain other consequences of external causes x Diseases of the genitourinary system | 220.45 | 0 |  | 174.16 | 0 |
| Injury, poisoning and certain other consequences of external causes x Pregnancy, childbirth and the puerperium | -110.14 | 0 |  |  |  |
| Injury, poisoning and certain other consequences of external causes x Certain conditions originating in the perinatal period | 358.74 | 0 |  | 443.23 | 0 |
| Injury, poisoning and certain other consequences of external causes x Congenital malformations, deformations and chromosomal abnormalities | 494.57 | 0 |  | 662.84 | 0 |
| Injury, poisoning and certain other consequences of external causes x Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified | -6.67 | 0.072 |  | 22.13 | 0 |
| External causes of morbidity and mortality x Certain infectious and parasitic diseases |  |  |  | 169.14 | 0 |
| External causes of morbidity and mortality x Neoplasms | -48.28 | 0 |  | -62.16 | 0 |
| External causes of morbidity and mortality x Diseases of the blood and blood-forming organs and certain disorders involving the immune mechanism | 137.90 | 0 |  |  |  |
| External causes of morbidity and mortality x Mental and behavioural disorders | -87.18 | 0 |  | -93.32 | 0 |
| External causes of morbidity and mortality x Diseases of the nervous system | 144.66 | 0 |  |  |  |
| External causes of morbidity and mortality x Diseases of the eye and adnexa |  |  |  | 164.95 | 0 |
| External causes of morbidity and mortality x Diseases of the ear and mastoid process | 5.08 | 0.647 |  | -22.45 | 0.073 |
| External causes of morbidity and mortality x Diseases of the circulatory system | 109.07 | 0 |  | 86.40 | 0 |
| External causes of morbidity and mortality x Diseases of the digestive system | -56.93 | 0 |  |  |  |
| External causes of morbidity and mortality x Diseases of the skin and subcutaneous tissue | 51.49 | 0 |  |  |  |
| External causes of morbidity and mortality x Diseases of the musculoskeletal system and connective tissue | -58.26 | 0 |  | -32.56 | 0 |
| External causes of morbidity and mortality x Diseases of the genitourinary system | 166.48 | 0 |  | 179.12 | 0 |
| External causes of morbidity and mortality x Certain conditions originating in the perinatal period | 592.26 | 0 |  | 2581.34 | 0 |
| External causes of morbidity and mortality x Congenital malformations, deformations and chromosomal abnormalities | -36.48 | 0.009 |  | 85.47 | 0 |
| Factors influencing health status and contact with health services x Certain infectious and parasitic diseases | -5.37 | 0.188 |  |  |  |
| Factors influencing health status and contact with health services x Neoplasms | 99.37 | 0 |  | 144.48 | 0 |
| Factors influencing health status and contact with health services x Diseases of the blood and blood-forming organs and certain disorders involving the immune mechanism | 148.57 | 0 |  | 157.47 | 0 |
| Factors influencing health status and contact with health services x Endocrine, nutritional and metabolic diseases |  |  |  | 20.65 | 0 |
| Factors influencing health status and contact with health services x Mental and behavioural disorders | -2.09 | 0.424 |  |  |  |
| Factors influencing health status and contact with health services x Diseases of the nervous system | -44.18 | 0 |  | -81.14 | 0 |
| Factors influencing health status and contact with health services x Diseases of the eye and adnexa | -21.20 | 0 |  | -28.80 | 0 |
| Factors influencing health status and contact with health services x Diseases of the ear and mastoid process |  |  |  | 59.94 | 0 |
| Factors influencing health status and contact with health services x Diseases of the circulatory system | 58.62 | 0 |  | 57.88 | 0 |
| Factors influencing health status and contact with health services x Diseases of the digestive system | -44.62 | 0 |  | -50.01 | 0 |
| Factors influencing health status and contact with health services x Diseases of the skin and subcutaneous tissue | -38.51 | 0 |  | -42.14 | 0 |
| Factors influencing health status and contact with health services x Diseases of the genitourinary system | 98.60 | 0 |  | 102.01 | 0 |
| Factors influencing health status and contact with health services x Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified |  |  |  | -43.17 | 0 |
| Factors influencing health status and contact with health services x Injury, poisoning and certain other consequences of external causes |  |  |  | -83.08 | 0 |
|  |  |  |  |  |  |
| **Morbidity counts** |  |  |  |  |  |
| A00-A09 Intestinal infectious diseases | 698.04 | 0 |  | 70.22 | 0.004 |
| A15-A19 Tuberculosis | -344.85 | 0 |  | -274.74 | 0.006 |
| A20-A49 Certain bacterial diseases | 108.52 | 0 |  | -119.07 | 0 |
| A80-A89 Viral infections of the central nervous system |  |  |  | 1035.83 | 0 |
| B00-B09 Viral infections characterized by skin & mucous mem. lesns. |  |  |  | 1318.65 | 0 |
| B15-B19 Viral hepatitis | 1777.05 | 0 |  | 994.05 | 0 |
| B25-B34 Other viral diseases | -53.26 | 0.007 |  | -94.45 | 0 |
| B35-B49 Mycoses | 3674.45 | 0 |  | 5114.76 | 0 |
| B85-B99 Other infectious and parasitic diseases | 1683.51 | 0 |  | 2619.62 | 0 |
| C00-C14 Malignant neoplasm of liporal cavity and pharynx | -1671.79 | 0 |  | -2236.67 | 0 |
| C15-C26 Malignant neoplasm of digestive organs | -169.70 | 0 |  | -443.72 | 0 |
| C30-C39 Malignant neoplasms of respiratory & intrathoracic organs | 608.03 | 0 |  |  |  |
| C40-C41 Malignant neoplasm of bone and articular cartilage | 6487.47 | 0 |  | 6577.54 | 0 |
| C43-C44 Malignant neoplasms of skin | 1060.63 | 0 |  | 1177.24 | 0 |
| C45-C49 Malignant neoplasms of mesothelial and soft tissue | 1395.63 | 0 |  |  |  |
| C50 Malignant neoplasm of breast | 367.85 | 0 |  | 446.27 | 0 |
| C51-C58 Malignant neoplasms of female genital organs | -214.13 | 0 |  | -509.76 | 0 |
| C60-C63 Malignant neoplasms of male genital organs | -647.72 | 0 |  | -696.41 | 0 |
| C64-C68 Malignant neoplasms of urinary tract | 116.21 | 0 |  |  |  |
| C69-C72 Malignant neoplasms of eye, brain & other parts of CNS | 515.98 | 0 |  | 604.46 | 0 |
| C73-C80, C97 Malignant neoplsm. of thyroid and oth. endo. Glands etc. | 1616.11 | 0 |  | 1631.23 | 0 |
| C81-C96 Malignant neoplasms of lymphoid, haematopoietic & rel. tiss. | 2556.59 | 0 |  | 2442.69 | 0 |
| D00-D48 In situ & benign neoplasms and others of uncertainty | 709.79 | 0 |  | 723.00 | 0 |
| D50-D64 Anaemias | 496.79 | 0 |  | 420.92 | 0 |
| D65-D89 Diseases of the blood and blood-forming organs | 1028.87 | 0 |  | 1178.78 | 0 |
| E00-E07 Disorders of thyroid gland | -92.54 | 0 |  | -94.11 | 0 |
| E10-E14 Diabetes Mellitus | -49.24 | 0 |  |  |  |
| E15-E90 Endocrine nutritional and metabolic diseases | 442.80 | 0 |  | 602.36 | 0 |
| F00-F03 Dementia | -263.94 | 0 |  | -325.52 | 0 |
| F04-F09 Other organic including symptomatic mental disorders | -381.18 | 0 |  | -432.26 | 0 |
| F10-F19 Mental and behavioural disorders due to psychoactive subst. | -89.54 | 0 |  | -121.96 | 0 |
| F20-F29 Schizophrenia, schizotypal and delusional disorders | -165.62 | 0 |  | -181.89 | 0 |
| F30-F39 Mood [affective] disorders | -40.45 | 0 |  | -59.86 | 0 |
| F40-F69 Neurotic, behavioural & personality disorders | -67.54 | 0 |  | -47.52 | 0 |
| F80-F99 Other mental and behavioural disorders | 732.17 | 0 |  | 749.08 | 0 |
| G00-G09 Inflammatory diseases of the central nervous system | 287.55 | 0 |  | 311.01 | 0 |
| G10-G14, G30-G32 Other degenerative diseases (incl. Alzheimer). |  |  |  | 618.96 | 0 |
| G35-G37 Demyelinating diseases (incl Multiple Sclerosis) of the CNS. | 1794.45 | 0 |  | 1960.43 | 0 |
| G40-G47 Epilepsymigraine & other episodic disorders | 170.60 | 0 |  | 185.38 | 0 |
| G50-G73 G90-G99 Other diseases & disorders of the nervous syst. | 1209.56 | 0 |  | 1242.49 | 0 |
| G80-G83 Cerebral palsy & other paralytic syndromes | 323.82 | 0 |  | 620.74 | 0 |
| H00-H06, H15-H22, H30-H36, H43-H59 Other disorders of the eye etc. | 328.75 | 0 |  | 340.75 | 0 |
| H10-H13 Disorders of conjunctiva (including conjunctivitis) | -92.47 | 0.17 |  | -231.96 | 0.003 |
| H25-H28 Disorders of lens (including cataracts) | -249.44 | 0 |  | -267.22 | 0 |
| H40-H42 Glaucoma |  |  |  | -141.80 | 0 |
| H60-H95 Diseases of the ear and mastoid process | 391.96 | 0 |  | 599.75 | 0 |
| I00-I09 Rheumatic heart disease |  |  |  | 53.85 | 0.04 |
| I10-I15 Hypertensive diseases | -206.21 | 0 |  | -72.53 | 0 |
| I20-I25 Ischaemic heart diseases | -328.58 | 0 |  | -252.36 | 0 |
| I26-I28 Pulmonary heart disease & diseases of pulmonary circulation | 2530.70 | 0 |  | 3321.61 | 0 |
| I30-I52 Other forms of heart disease | -279.85 | 0 |  | -243.12 | 0 |
| I70-I79 Diseases of arteries, arterioles & capillaries | -105.65 | 0 |  | -218.37 | 0 |
| I95-I99 Other & unspecified disorders of the circulatory system | -341.02 | 0 |  | -357.70 | 0 |
| J00-J06 Acute upper respiratory infections |  |  |  | 547.79 | 0 |
| J09-J18 Influenza & pneumonia | -402.74 | 0 |  | -692.41 | 0 |
| J20-J22 Other acute lower respiratory infections | 1338.80 | 0 |  | 2103.39 | 0 |
| J30-J39 Other diseases of upper respiratory tract | 835.47 | 0 |  | 996.77 | 0 |
| J40-J47 Chronic lower respiratory diseases | -159.56 | 0 |  | -194.10 | 0 |
| J60-J70 Lung diseases due to external agents | -529.36 | 0 |  | -1006.43 | 0 |
| J80-J99 Other diseases of the respiratory system | 102.41 | 0 |  | 386.03 | 0 |
| K00-K14 Diseases of oral cavity, salivary glands & jaws | 2416.37 | 0 |  | 2293.95 | 0 |
| K20-K31 Diseases of oesophagusstomach & duodenum | -22.88 | 0.001 |  |  |  |
| K40-K46 Hernia | -262.79 | 0 |  | -269.69 | 0 |
| K50-K52 Noninfective enteritis & colitis | 75.92 | 0 |  | 94.66 | 0 |
| K55-K64 Other diseases of intestines | -110.59 | 0 |  | -38.02 | 0 |
| K65-K67 Diseases of peritoneum | 2046.61 | 0 |  | 1415.87 | 0 |
| K70-K77 Diseases of liver | 249.57 | 0 |  | 378.90 | 0 |
| K80-K87 Disorders of gall bladder, biliary tract & pancreas | 337.18 | 0 |  | 397.25 | 0 |
| K90-K93 Other diseases of the digestive system |  |  |  | 921.34 | 0 |
| L00-L14 L55-L99 Other infections and disorders of the skin | -488.41 | 0 |  | -521.95 | 0 |
| L20-L30 Dermatitis and eczema | 824.53 | 0 |  | 652.21 | 0 |
| L50-L54 Urticaria and erythems | 509.96 | 0 |  | 444.20 | 0 |
| M00-M25 Arthropathies | -142.19 | 0 |  | -159.57 | 0 |
| M30-M36 Systemic connective tissue disorders | 354.96 | 0 |  | 563.38 | 0 |
| M60-M79 Soft tissue disorders | -17.59 | 0.101 |  |  |  |
| M80-M94 Osteopathies and chondropathies | 319.74 | 0 |  | 335.95 | 0 |
| N00-N08, N10-N16 Diseases of the kidney | 2507.38 | 0 |  | 2398.40 | 0 |
| N17-N19 Renal failure | 2251.42 | 0 |  | 2501.97 | 0 |
| N20-N23 Urolithiasis | -443.23 | 0 |  | -449.32 | 0 |
| N25-N29 Other disorders of kidney & ureter | 1990.55 | 0 |  | 2164.63 | 0 |
| N30-N39 Other diseases of the urinary system | -774.04 | 0 |  | -970.78 | 0 |
| N40-N51 Diseases of male genital organs | -218.94 | 0 |  | -157.51 | 0 |
| N60-N64 Disorders of breast | -12.14 | 0.829 |  | 304.57 | 0 |
| N70-N77 Inflammatory diseases of female pelvic organs |  |  |  | -652.24 | 0 |
| N80-N98 Noninflammatory disorders of female genital tract | -133.07 | 0 |  |  |  |
| N99 Other disorders of the genitourinary system | -2905.55 | 0 |  | -2914.17 | 0 |
| O10-O75, O85-O92, O94-O99 Complications of labour and delivery | -146.06 | 0 |  | -143.10 | 0 |
| P05-P96 Other conditions originating in the perinatal period | -272.44 | 0 |  |  |  |
| Q00-Q89 Congenital malformations | 1534.68 | 0 |  | 1963.97 | 0 |
| Q90-Q99 Chromosomal abnormalities nec. |  |  |  | 595.00 | 0 |
| R00-R09 Symptoms & signs inv. the circulatory/respiratory system |  |  |  | 123.46 | 0 |
| R20-R23 Symptoms & signs inv. the skin & subcutaneous tissue | 867.49 | 0 |  |  |  |
| R25-R29 Symptoms & signs inv. the nervous & musculoskeletal sys. | -428.74 | 0 |  | -265.55 | 0 |
| R30-R39 Symptoms & signs involving the urinary system | -594.06 | 0 |  | -652.34 | 0 |
| R40-R46 Symptoms & signs inv. Cognition, perception etc. |  |  |  | -176.46 | 0 |
| R47-R49 Symptoms & signs inv. speech & voice |  |  |  | 435.81 | 0 |
| R50-R68 General symptoms & signs | 687.39 | 0 |  | 820.49 | 0 |
| R70-R89 Abnormal findings of bodily fluids or samples without diag. | 959.95 | 0 |  | 1208.18 | 0 |
| R90-R94 Abnormal findings on diagnostic imaging/function studies | 491.80 | 0 |  | 1036.47 | 0 |
| S30-S39 Injuries to abdomen, lower back, lumbar spine & pelvis | -178.61 | 0 |  | -104.35 | 0.05 |
| S40-S49 Injuries to the shoulder & upper arm | -93.09 | 0.05 |  |  |  |
| S80-S89 Injuries to the knee & lower leg | 348.75 | 0 |  | 348.06 | 0 |
| T08-T14 Injuries to unspecified part of trunk limb or body | 1392.41 | 0 |  | 5883.49 | 0 |
| T15-T19 Effects of foreign body entering through natural orifice | 155.03 | 0.062 |  |  |  |
| T36-T50 Poisonings by drugs medicaments & biological substances | -321.73 | 0 |  |  |  |
| T66-T78 Other and unspecified effects of external causes |  |  |  | -712.87 | 0 |
| T79 Certain early complications of trauma |  |  |  | -644.64 | 0.009 |
| T80-T88 Complications of surgical & medical care nec. | 2016.53 | 0 |  | 2041.94 | 0 |
| T90-T98 Sequelae of injuries of poisoning & other consequences |  |  |  | -752.98 | 0 |
| WWW | 57.45 | 0 |  | -35.93 | 0.05 |
| XXX | 218.86 | 0 |  |  |  |
| YYY | 673.26 | 0 |  | 609.45 | 0 |
| Z00-Z13 Examination and investigation | 163.16 | 0 |  |  |  |
| Z20-Z29 Potential health hazards related to communicable diseases | 1245.36 | 0 |  | 1377.48 | 0 |
| Z30-Z39 Health services in circumstances related to reproduction |  |  |  | -89.86 | 0 |
| Z40-Z54 Persons encountering health services for specific care | 2867.64 | 0 |  | 3274.94 | 0 |
| Z55-Z65 Potential health hazards reltd. to socioeconomic & psychosoc.l | 595.95 | 0 |  |  |  |
| Z70-Z76 Persons encountering health services in other circs. | -146.89 | 0 |  | -66.42 | 0.002 |
| Z80-Z99 Persons with potential health hazards related to family | 251.94 | 0 |  | 306.45 | 0 |
| U Unclassified | 21.22 | 0.488 |  | 488.11 | 0 |
|  |  |  |  |  |  |
| **Diagnosis count** |  |  |  |  |  |
| 2 diagnoses | 169.45 | 0 |  | 145.31 | 0 |
| 3 diagnoses | 225.05 | 0 |  | 181.79 | 0 |
| 4 diagnoses | 286.07 | 0 |  | 225.41 | 0 |
| 5 diagnoses | 349.62 | 0 |  | 270.55 | 0 |
| 6 diagnoses | 414.67 | 0 |  | 316.56 | 0 |
| 7 diagnoses | 471.82 | 0 |  | 368.03 | 0 |
| 8 diagnoses | 538.83 | 0 |  | 417.08 | 0 |
| 9 diagnoses | 598.40 | 0 |  | 465.07 | 0 |
| 10 diagnoses | 705.99 | 0 |  | 590.71 | 0 |
|  |  |  |  |  |  |
| **Ethnicity** |  |  |  |  |  |
| WhiteIrish | -3.77 | 0.379 |  | 3.44 | 0.511 |
| OtherWhite | -5.19 | 0 |  | -9.51 | 0 |
| WhiteandBlackCaribbean | -17.11 | 0 |  | -10.45 | 0.059 |
| WhiteandBlackAfrican | -16.67 | 0.011 |  | -9.25 | 0.237 |
| WhiteandAsian | -29.17 | 0 |  | -7.49 | 0.252 |
| OtherMixed | -10.18 | 0.001 |  | -10.67 | 0.005 |
| Indian | -0.56 | 0.789 |  | 2.12 | 0.4 |
| Pakistani | 19.50 | 0 |  | 26.58 | 0 |
| Bangladeshi | 9.52 | 0.009 |  | 12.23 | 0.005 |
| Chinese | -24.86 | 0 |  | -18.06 | 0.002 |
| OtherAsian | 2.48 | 0.288 |  | 7.81 | 0.005 |
| African | 31.49 | 0 |  | 39.29 | 0 |
| Caribbean | 49.75 | 0 |  | 60.16 | 0 |
| OtherBlack | 32.05 | 0 |  | 29.14 | 0 |
| Anyotherethnicgroup | 11.44 | 0 |  | 7.82 | 0.001 |
|  |  |  |  |  |  |
| **Household type [**'18/19**; '*19/20 categories*]** |  |  |  |  |  |
| Care home; ***8 plus residents*** | -122.49 | 0 |  | -50.22 | 0 |
| Multi-adult-child | -6.91 | 0 |  |  |  |
| Multi-child; ***multi-generation family*** | -15.56 | 0.042 |  | -18.50 | 0 |
| Other communal; ***multiple adults*** | -21.58 | 0 |  | -31.98 | 0 |
| Single parent; ***one adult dependent child*** | -1.84 | 0.158 |  | -15.28 | 0 |
| Single person | 8.30 | 0 |  | -1.49 | 0.221 |
| Two adult family; ***two adult dependent child*** | -3.28 | 0 |  | -18.46 | 0 |
| Two adults diff gender; ***adults nondependent child*** | 8.59 | 0 |  | -7.19 | 0 |
| Two adults same gender | 3.80 | 0.015 |  | -16.62 | 0 |
| Unknown; ***other*** | -2.27 | 0.061 |  | -26.46 | 0 |
|  |  |  |  |  |  |
| **CCGs** |  |  |  |  |  |
| NHS Airedale, Wharfedale and Craven CCG | 21.06 | 0.375 |  | -22.57 | 0.366 |
| NHS Ashford CCG | 92.97 | 0.001 |  | 14.86 | 0.629 |
| NHS Barking and Dagenham CCG | 62.62 | 0.006 |  | 38.32 | 0.129 |
| NHS Barnet CCG | 82.57 | 0 |  | 36.80 | 0.101 |
| NHS Barnsley CCG | -5.82 | 0.759 |  | -22.96 | 0.32 |
| NHS Basildon and Brentwood CCG | 70.77 | 0.003 |  | 38.53 | 0.145 |
| NHS Bassetlaw CCG | -1.02 | 0.889 |  | -14.48 | 0.536 |
| NHS Bath and North East Somerset CCG | 89.46 | 0 |  | 16.48 | 0.477 |
| NHS Bedfordshire CCG | 69.55 | 0.001 |  | 16.60 | 0.468 |
| NHS Berkshire West CCG | 72.84 | 0.001 |  | 86.57 | 0 |
| NHS Bexley CCG | 120.09 | 0 |  | 32.96 | 0.231 |
| NHS Birmingham and Solihull CCG | 78.71 | 0 |  | 20.18 | 0.359 |
| NHS Blackburn with Darwen CCG | 21.74 | 0.368 |  | -19.62 | 0.357 |
| NHS Blackpool CCG | 78.02 | 0.024 |  | 51.79 | 0.158 |
| NHS Bolton CCG | 10.15 | 0.684 |  | 15.22 | 0.493 |
| NHS Bradford City CCG | 9.30 | 0.726 |  | -48.33 | 0.088 |
| NHS Bradford Districts CCG | -1.61 | 0.948 |  | -52.68 | 0.042 |
| NHS Brent CCG | 88.38 | 0 |  | 15.15 | 0.508 |
| NHS Brighton and Hove CCG | 84.67 | 0 |  | 39.75 | 0.109 |
| NHS Bristol, North Somerset and South .. | 70.95 | 0.002 |  | 20.62 | 0.398 |
| NHS Bromley CCG | 94.65 | 0 |  | 39.91 | 0.122 |
| NHS Buckinghamshire CCG | 96.09 | 0 |  | 44.59 | 0.049 |
| NHS Bury CCG | 38.40 | 0.069 |  | -2.08 | 0.833 |
| NHS Calderdale CCG | 8.80 | 0.694 |  | -20.26 | 0.381 |
| NHS Cambridgeshire and Peterborough CCG | 77.17 | 0 |  | 20.43 | 0.345 |
| NHS Camden CCG | 87.25 | 0 |  | 37.81 | 0.096 |
| NHS Cannock Chase CCG | 63.23 | 0.004 |  | 3.40 | 0.875 |
| NHS Canterbury and Coastal CCG | 83.91 | 0.002 |  | 20.39 | 0.516 |
| NHS Castle Point and Rochford CCG | 84.51 | 0.002 |  | 11.75 | 0.727 |
| NHS Central London (Westminster) CCG | 91.72 | 0 |  | 11.26 | 0.617 |
| NHS Chorley and South Ribble CCG | 66.68 | 0.029 |  | -19.32 | 0.532 |
| NHS City and Hackney CCG | 103.29 | 0 |  | 57.47 | 0.02 |
| NHS Coastal West Sussex CCG | 64.66 | 0.011 |  | 10.44 | 0.706 |
| NHS Corby CCG | 94.83 | 0 |  | 50.82 | 0.043 |
| NHS Coventry and Rugby CCG | 77.56 | 0.001 |  | 49.94 | 0.046 |
| NHS Crawley CCG | 84.86 | 0 |  | 29.79 | 0.248 |
| NHS Croydon CCG | 105.23 | 0 |  | 36.19 | 0.193 |
| NHS Darlington CCG | 49.19 | 0.096 |  | 35.00 | 0.257 |
| NHS Dartford, Gravesham and Swanley CCG | 88.67 | 0.004 |  | -22.92 | 0.525 |
| NHS Derby and Derbyshire CCG | 55.91 | 0.001 |  | 10.97 | 0.479 |
| NHS Northern, Eastern and Western Devo.. | 136.44 | 0 |  | 95.47 | 0.006 |
| NHS South Devon and Torbay CCG | 151.51 | 0 |  |  |  |
| NHS Doncaster CCG |  |  |  | -13.93 | 0.596 |
| NHS Dorset CCG | 95.34 | 0 |  | 39.20 | 0.121 |
| NHS Dudley CCG | 77.00 | 0.001 |  | 21.12 | 0.383 |
| NHS Durham Dales, Easington and Sedgef.. | 48.42 | 0.096 |  | 45.31 | 0.136 |
| NHS Ealing CCG | 101.84 | 0 |  | 28.08 | 0.225 |
| NHS East and North Hertfordshire CCG | 78.28 | 0 |  | 28.65 | 0.195 |
| NHS East Berkshire CCG | 91.24 | 0 |  | 59.37 | 0.01 |
| NHS East Lancashire CCG | 17.57 | 0.458 |  | -21.77 | 0.29 |
| NHS East Leicestershire and Rutland CCG | 73.58 | 0 |  | 52.52 | 0.008 |
| NHS East Riding of Yorkshire CCG | 34.51 | 0.09 |  | 29.37 | 0.224 |
| NHS East Staffordshire CCG | 73.38 | 0 |  | 15.03 | 0.431 |
| NHS East Surrey CCG | 84.90 | 0 |  | 30.17 | 0.234 |
| NHS Eastbourne, Hailsham and Seaford CCG | 72.17 | 0.005 |  | 38.28 | 0.226 |
| NHS Eastern Cheshire CCG | 60.21 | 0.005 |  | 13.47 | 0.461 |
| NHS Enfield CCG | 73.93 | 0 |  | 36.00 | 0.114 |
| NHS Fareham and Gosport CCG | 100.36 | 0 |  | 35.08 | 0.157 |
| NHS Fylde and Wyre CCG | 73.97 | 0.031 |  | 61.80 | 0.088 |
| NHS Gloucestershire CCG | 110.26 | 0 |  | 47.65 | 0.074 |
| NHS Great Yarmouth and Waveney CCG | 36.77 | 0.204 |  | 16.14 | 0.621 |
| NHS Greater Huddersfield CCG | 10.84 | 0.618 |  | -19.21 | 0.392 |
| NHS Greater Preston CCG | 69.95 | 0.027 |  | -13.56 | 0.671 |
| NHS Greenwich CCG | 104.02 | 0 |  | 23.51 | 0.39 |
| NHS Guildford and Waverley CCG | 79.10 | 0.001 |  | 4.19 | 0.878 |
| NHS Halton CCG | 47.15 | 0.09 |  | 4.59 | 0.857 |
| NHS Hambleton, Richmondshire and Whitb.. | 68.85 | 0.017 |  | 45.16 | 0.144 |
| NHS Hammersmith and Fulham CCG | 111.11 | 0 |  | 20.76 | 0.368 |
| NHS Haringey CCG | 86.76 | 0 |  | 43.66 | 0.061 |
| NHS Harrogate and Rural District CCG | 56.19 | 0.019 |  | 55.93 | 0.038 |
| NHS Harrow CCG | 96.02 | 0 |  | 31.69 | 0.176 |
| NHS Hartlepool and Stockton-on-Tees CCG | 60.59 | 0.044 |  | 37.83 | 0.239 |
| NHS Hastings and Rother CCG | 78.63 | 0.002 |  | 30.54 | 0.356 |
| NHS Havering CCG | 65.99 | 0.005 |  | 39.57 | 0.133 |
| NHS Herefordshire CCG | 75.11 | 0.012 |  | 32.53 | 0.304 |
| NHS Herts Valleys CCG | 82.98 | 0 |  | 29.14 | 0.195 |
| NHS Heywood, Middleton and Rochdale CCG | 38.81 | 0.064 |  | -14.48 | 0.186 |
| NHS High Weald Lewes Havens CCG | 73.32 | 0.001 |  | 26.44 | 0.301 |
| NHS Hillingdon CCG | 109.07 | 0 |  | 63.40 | 0.014 |
| NHS Horsham and Mid Sussex CCG | 72.36 | 0.001 |  | 29.82 | 0.23 |
| NHS Hounslow CCG | 102.89 | 0 |  | 32.05 | 0.173 |
| NHS Hull CCG | 29.99 | 0.158 |  | 18.55 | 0.465 |
| NHS Ipswich and East Suffolk CCG | 80.65 | 0.001 |  | -2.21 | 0.938 |
| NHS Isle of Wight CCG | 99.52 | 0.003 |  | -8.83 | 0.816 |
| NHS Islington CCG | 108.64 | 0 |  | 61.02 | 0.009 |
| NHS Kernow CCG | 122.58 | 0 |  | 98.11 | 0.005 |
| NHS Kingston CCG | 94.51 | 0 |  | 20.96 | 0.411 |
| NHS Knowsley CCG | 75.08 | 0.008 |  | 18.79 | 0.463 |
| NHS Lambeth CCG | 103.08 | 0 |  | 27.87 | 0.272 |
| NHS Leeds CCG | 52.61 | 0.011 |  | 35.53 | 0.096 |
| NHS Leicester City CCG | 69.94 | 0 |  | 55.20 | 0.006 |
| NHS Lewisham CCG | 101.75 | 0 |  | 14.74 | 0.579 |
| NHS Lincolnshire East CCG | 51.26 | 0.009 |  | 18.64 | 0.396 |
| NHS Lincolnshire West CCG | 54.11 | 0.005 |  | 24.27 | 0.241 |
| NHS Liverpool CCG | 81.85 | 0.005 |  | 15.83 | 0.552 |
| NHS Luton CCG | 62.46 | 0.004 |  | 24.81 | 0.299 |
| NHS Manchester CCG | 49.85 | 0.016 |  | -3.25 | 0.58 |
| NHS Mansfield and Ashfield CCG | 58.27 | 0.005 |  | 12.32 | 0.557 |
| NHS Medway CCG | 52.15 | 0.049 |  | 27.61 | 0.389 |
| NHS Merton CCG | 110.77 | 0 |  | 47.46 | 0.06 |
| NHS Mid Essex CCG | 81.18 | 0.001 |  | 46.15 | 0.08 |
| NHS Milton Keynes CCG | 79.86 | 0.001 |  | 8.68 | 0.736 |
| NHS Morecambe Bay CCG | 68.62 | 0.058 |  | 66.06 | 0.085 |
| NHS Nene CCG | 100.45 | 0 |  | 67.61 | 0.005 |
| NHS Newark and Sherwood CCG | 41.11 | 0.031 |  | 13.49 | 0.492 |
| NHS Newcastle Gateshead CCG | 55.64 | 0.061 |  | 72.77 | 0.018 |
| NHS Newham CCG | 77.77 | 0 |  | 56.27 | 0.022 |
| NHS North Cumbria CCG | 63.80 | 0.097 |  | 48.38 | 0.246 |
| NHS North Durham CCG | 44.96 | 0.123 |  | 47.77 | 0.116 |
| NHS North East Essex CCG | 52.77 | 0.034 |  | 21.68 | 0.406 |
| NHS North East Hampshire and Farnham CCG | 66.43 | 0.004 |  | 55.51 | 0.028 |
| NHS North East Lincolnshire CCG | 53.93 | 0.01 |  | 43.04 | 0.074 |
| NHS North Hampshire CCG | 84.21 | 0 |  | 7.18 | 0.76 |
| NHS North Kirklees CCG | 25.80 | 0.268 |  | -61.97 | 0.017 |
| NHS North Lincolnshire CCG | 57.98 | 0.003 |  | 51.26 | 0.026 |
| NHS North Norfolk CCG | 78.08 | 0.001 |  | 14.95 | 0.576 |
| NHS North Staffordshire CCG | 71.66 | 0.003 |  | 3.86 | 0.868 |
| NHS North Tyneside CCG | 50.51 | 0.103 |  | 65.26 | 0.042 |
| NHS North West Surrey CCG | 90.89 | 0 |  | 28.59 | 0.29 |
| NHS Northumberland CCG | 53.74 | 0.087 |  | 70.26 | 0.031 |
| NHS Norwich CCG | 66.72 | 0.005 |  | 17.19 | 0.516 |
| NHS Nottingham City CCG | 68.49 | 0 |  | 32.01 | 0.069 |
| NHS Nottingham North and East CCG | 58.59 | 0.002 |  | 39.51 | 0.031 |
| NHS Nottingham West CCG | 69.29 | 0 |  | 45.85 | 0.015 |
| NHS Oldham CCG | 33.76 | 0.106 |  | -21.18 | 0.046 |
| NHS Oxfordshire CCG | 80.65 | 0 |  | 84.70 | 0 |
| NHS Portsmouth CCG | 103.78 | 0 |  | 32.82 | 0.181 |
| NHS Redbridge CCG | 71.45 | 0.001 |  | 49.79 | 0.041 |
| NHS Redditch and Bromsgrove CCG | 85.17 | 0 |  | 18.96 | 0.42 |
| NHS Richmond CCG | 103.50 | 0 |  | 21.13 | 0.372 |
| NHS Rotherham CCG | 18.44 | 0.328 |  | -14.97 | 0.54 |
| NHS Rushcliffe CCG | 54.81 | 0.004 |  | 22.95 | 0.215 |
| NHS Salford CCG | 51.78 | 0.015 |  | 1.66 | 0.838 |
| NHS Sandwell and West Birmingham CCG | 76.71 | 0.001 |  | 11.96 | 0.602 |
| NHS Scarborough and Ryedale CCG | 57.31 | 0.009 |  | 47.49 | 0.063 |
| NHS Sheffield CCG | 52.57 | 0.002 |  | 8.34 | 0.662 |
| NHS Shropshire CCG | 69.44 | 0.012 |  | -0.88 | 0.975 |
| NHS Somerset CCG | 92.62 | 0 |  | 15.04 | 0.531 |
| NHS South Cheshire CCG | 41.06 | 0.101 |  | 26.51 | 0.267 |
| NHS South East Staffordshire and Seisd.. | 67.09 | 0.001 |  | 19.15 | 0.346 |
| NHS South Eastern Hampshire CCG | 94.93 | 0 |  | 33.10 | 0.181 |
| NHS South Kent Coast CCG | 88.32 | 0.001 |  | 20.01 | 0.532 |
| NHS South Lincolnshire CCG | 66.92 | 0.001 |  | 18.39 | 0.39 |
| NHS South Norfolk CCG | 75.11 | 0.001 |  | 6.72 | 0.798 |
| NHS South Sefton CCG | 74.25 | 0.011 |  | -3.51 | 0.896 |
| NHS South Tees CCG | 71.71 | 0.021 |  | 43.93 | 0.184 |
| NHS South Tyneside CCG | 31.86 | 0.337 |  | 18.61 | 0.636 |
| NHS South Warwickshire CCG | 75.60 | 0.005 |  | 9.10 | 0.745 |
| NHS South West Lincolnshire CCG | 59.19 | 0.002 |  | 27.06 | 0.185 |
| NHS South Worcestershire CCG | 94.26 | 0 |  | 36.68 | 0.138 |
| NHS Southampton CCG | 107.37 | 0 |  | 18.69 | 0.449 |
| NHS Southend CCG | 83.64 | 0.003 |  | -4.47 | 0.895 |
| NHS Southport and Formby CCG | 44.11 | 0.148 |  | -27.38 | 0.366 |
| NHS Southwark CCG | 105.25 | 0 |  | 26.07 | 0.315 |
| NHS St Helens CCG | 45.64 | 0.101 |  | 20.09 | 0.432 |
| NHS Stafford and Surrounds CCG | 61.52 | 0.009 |  | 2.40 | 0.916 |
| NHS Stockport CCG | 57.12 | 0.003 |  | 8.52 | 0.445 |
| NHS Stoke on Trent CCG | 76.46 | 0.002 |  | 8.91 | 0.707 |
| NHS Sunderland CCG | 54.84 | 0.064 |  | 61.95 | 0.044 |
| NHS Surrey Downs CCG | 88.95 | 0 |  | 13.29 | 0.588 |
| NHS Surrey Heath CCG | 73.13 | 0.002 |  | 55.46 | 0.032 |
| NHS Sutton CCG | 99.68 | 0 |  | 19.71 | 0.433 |
| NHS Swale CCG | 52.21 | 0.047 |  | 17.92 | 0.57 |
| NHS Swindon CCG | 84.36 | 0 |  | 24.03 | 0.315 |
| NHS Tameside and Glossop CCG | 21.29 | 0.371 |  | -43.96 | 0.024 |
| NHS Telford and Wrekin CCG | 68.94 | 0.012 |  | 6.93 | 0.81 |
| NHS Thanet CCG | 74.05 | 0.008 |  | 15.36 | 0.635 |
| NHS Thurrock CCG | 73.57 | 0.002 |  | 48.84 | 0.064 |
| NHS Tower Hamlets CCG | 81.04 | 0 |  | 52.04 | 0.036 |
| NHS Trafford CCG | 45.52 | 0.029 |  |  |  |
| NHS Vale Royal CCG | 35.36 | 0.145 |  | 0.22 | 0.992 |
| NHS Vale of York CCG | 46.50 | 0.025 |  | 45.85 | 0.053 |
| NHS Wakefield CCG | 21.97 | 0.35 |  | -62.05 | 0.023 |
| NHS Walsall CCG | 57.02 | 0.017 |  | 14.10 | 0.565 |
| NHS Waltham Forest CCG | 80.06 | 0 |  | 51.50 | 0.035 |
| NHS Wandsworth CCG | 101.82 | 0 |  | 45.32 | 0.065 |
| NHS Warrington CCG | 52.64 | 0.053 |  | -4.79 | 0.842 |
| NHS Warwickshire North CCG | 41.99 | 0.088 |  | 28.70 | 0.283 |
| NHS West Cheshire CCG | 38.34 | 0.205 |  | -43.79 | 0.153 |
| NHS West Essex CCG | 80.54 | 0 |  | 29.45 | 0.187 |
| NHS West Hampshire CCG | 91.82 | 0 |  | 22.31 | 0.357 |
| NHS West Kent CCG | 77.01 | 0.001 |  | 11.27 | 0.665 |
| NHS West Lancashire CCG | 39.36 | 0.174 |  | -15.74 | 0.552 |
| NHS West Leicestershire CCG | 69.70 | 0 |  | 40.96 | 0.031 |
| NHS West London CCG | 103.16 | 0 |  | 24.97 | 0.28 |
| NHS West Norfolk CCG | 75.12 | 0.001 |  | 11.42 | 0.635 |
| NHS West Suffolk CCG | 75.21 | 0.001 |  | 16.23 | 0.5 |
| NHS Wigan Borough CCG | 61.98 | 0.011 |  | 48.96 | 0.03 |
| NHS Wiltshire CCG | 92.26 | 0 |  | 26.73 | 0.248 |
| NHS Wirral CCG | 36.11 | 0.233 |  | -63.05 | 0.052 |
| NHS Wolverhampton CCG | 57.84 | 0.008 |  | 5.69 | 0.796 |
| NHS Wyre Forest CCG | 97.42 | 0 |  | 30.18 | 0.228 |
|  |  |  |  |  |  |
| **Providers** |  |  |  |  |  |
| Betsi Cadwaladr University Lhb | 349.20 | 0.641 |  | 12.33 | 0.984 |
| Abertawe Bro Morgannwg University LHB |  |  |  | 1687.49 | 0.707 |
| Cardiff & Vale University Lhb | -5606.95 | 0.363 |  |  |  |
| Paul Strickland Scanner Centre | -1566.14 | 0.392 |  |  |  |
| K C Holiday Dialysis Centre | 2370.99 | 0.373 |  | -309.36 | 0.813 |
| Atlantic Enterprise UK Ltd | 4735.64 | 0.412 |  |  |  |
| St Peter's Andrology Centre | -2626.90 | 0.022 |  |  |  |
| Glenside Manor Healthcare Services Limited | 1350.25 | 0.733 |  | 3161.94 | 0.572 |
| Charing Cross Holiday Dialysis Trust | 6732.65 | 0.33 |  | -1556.09 | 0.717 |
| B Braun Medical Ltd | 2056.87 | 0.295 |  |  |  |
| Fresenius Kabi Ltd | -4504.45 | 0.696 |  | -694.69 | 0.879 |
| Unknown | -481.87 | 0.893 |  |  |  |
| Diving Diseases Research Centre Ltd | -10962.93 | 0.159 |  |  |  |
| Oxford Fertility Unit (Ofu) | 3422.47 | 0.127 |  |  |  |
| The Royal Hospital For Neuro-Disability | -550.30 | 0.516 |  | 3110.35 | 0.006 |
| Livewell Southwest | -198.62 | 0.345 |  | 754.33 | 0.705 |
| University Of Southampton Auditory Implant Service | 2240.43 | 0.001 |  | 379.98 | 0.466 |
| The Huntercombe Group | 3322.16 | 0 |  | -610.86 | 0.824 |
|  |  |  |  | 2554.03 | 0.006 |
|  |  |  |  | -5648.39 | 0.016 |
| Circle - Nottingham NHS Treatment Centre | -1389.15 | 0.08 |  | -417.49 | 0.531 |
| Nova Healthcare | 218.04 | 0.94 |  | -647.87 | 0.537 |
| Staffordshire and Stoke on Trent Partnership NHS Trust | 121.72 | 0.88 |  | -4016.24 | 0.076 |
| Isle Of Wight NHS Trust | 95.82 | 0.416 |  | 172.86 | 0.533 |
| Barts Health NHS Trust | 139.26 | 0 |  | -45.08 | 0.738 |
| London North West University Healthcare NHS Trust | 90.15 | 0.042 |  | 6.86 | 0.961 |
| Royal Surrey County Hospital NHS Foundation Trust | 62.08 | 0.145 |  | -36.76 | 0.791 |
| Weston Area Health NHS Trust | 7.61 | 0.866 |  | -229.63 | 0.115 |
| Yeovil District Hospital NHS Foundation Trust | -16.69 | 0.659 |  | -451.45 | 0.004 |
| University Hospitals Bristol NHS Foundation Trust | 115.51 | 0.001 |  | -24.25 | 0.857 |
| Torbay And South Devon NHS Foundation Trust | -49.38 | 0.389 |  | -183.91 | 0.185 |
| Bradford Teaching Hospitals NHS Foundation Trust | 134.40 | 0.011 |  | -17.04 | 0.908 |
| Southend University Hospital NHS Foundation Trust | 83.23 | 0.125 |  | 26.74 | 0.86 |
| Royal Free London NHS Foundation Trust | 134.95 | 0 |  | -19.01 | 0.888 |
| Royal National Orthopaedic Hospital NHS Trust | -203.98 | 0.182 |  | -227.98 | 0.205 |
| North Middlesex University Hospital NHS Trust | 182.70 | 0 |  | 28.36 | 0.837 |
| The Hillingdon Hospitals NHS Foundation Trust | -55.76 | 0.472 |  | -120.50 | 0.54 |
| Kingston Hospital NHS Foundation Trust | 38.54 | 0.68 |  | -88.97 | 0.64 |
| Taunton And Somerset NHS Foundation Trust | 51.27 | 0.167 |  | -157.69 | 0.245 |
| Dorset County Hospital NHS Foundation Trust | 26.23 | 0.488 |  | -78.64 | 0.562 |
| Walsall Healthcare NHS Trust | 70.23 | 0.201 |  | -394.72 | 0.029 |
| Wirral University Teaching Hospital NHS Foundation Trust | 9.72 | 0.927 |  | 176.25 | 0.508 |
| St Helens And Knowsley Teaching Hospitals NHS Trust | 119.54 | 0.074 |  | -289.22 | 0.102 |
| Liverpool Heart And Chest Hospital NHS Foundation Trust | 113.77 | 0.116 |  | -7.64 | 0.962 |
| Alder Hey Children's NHS Foundation Trust | 159.56 | 0 |  | 40.12 | 0.771 |
| Mid Cheshire Hospitals NHS Foundation Trust | 173.30 | 0.097 |  | -421.06 | 0.078 |
| The Christie NHS Foundation Trust | 182.67 | 0 |  | 93.59 | 0.504 |
| Northern Devon Healthcare NHS Trust | -49.02 | 0.265 |  | -313.81 | 0.028 |
| Bedford Hospital NHS Trust | 85.95 | 0.082 |  | -44.91 | 0.754 |
| Luton And Dunstable University Hospital NHS FT | 92.46 | 0.029 |  | -97.61 | 0.476 |
| York Teaching Hospital NHS Foundation Trust | 95.09 | 0.017 |  | -170.54 | 0.217 |
| Harrogate And District NHS Foundation Trust | 72.83 | 0.13 |  | -442.27 | 0.011 |
| Airedale NHS Foundation Trust | 37.90 | 0.531 |  | -90.97 | 0.611 |
| Sheffield Children's NHS Foundation Trust | 182.69 | 0 |  | 14.88 | 0.913 |
| The Queen Elizabeth Hospital, King's Lynn, NHS Foundation Trust | 22.79 | 0.569 |  | -111.96 | 0.437 |
| Royal United Hospitals Bath NHS Foundation Trust | 11.81 | 0.743 |  | -102.87 | 0.448 |
| Poole Hospital NHS Foundation Trust | -32.86 | 0.389 |  | -213.23 | 0.12 |
| Heatherwood And Wexham Park Hospitals NHS Foundation Trust | -19.21 | 0.854 |  |  |  |
| Milton Keynes University Hospital NHS Foundation Trust | 64.28 | 0.166 |  | 103.40 | 0.512 |
| Basildon And Thurrock University Hospitals NHS Foundation Trust | 137.08 | 0.005 |  | -114.34 | 0.417 |
| East Suffolk and North Essex NHS Foundation Trust | 81.14 | 0.07 |  | -156.65 | 0.316 |
| Frimley Health NHS Foundation Trust | 117.42 | 0.008 |  | -138.92 | 0.312 |
| The Royal Bournemouth and Christchurch Hospitals NHS Foundation Trust | 27.40 | 0.463 |  | -129.64 | 0.342 |
| South Tyneside NHS Foundation Trust | 155.76 | 0.083 |  | 387.66 | 0.294 |
| Royal Cornwall Hospitals NHS Trust | -48.25 | 0.287 |  | -278.20 | 0.045 |
| Liverpool University Hospitals NHS Foundation Trust | 226.11 | 0.011 |  | 32.31 | 0.899 |
| The Clatterbridge Cancer Centre NHS Foundation Trust | 270.13 | 0 |  | 111.77 | 0.452 |
| Liverpool Women's NHS Foundation Trust | -248.78 | 0.213 |  | 203.10 | 0.452 |
| The Walton Centre NHS Foundation Trust | 29.75 | 0.608 |  | 4.43 | 0.976 |
| Barking, Havering And Redbridge University Hospitals NHS Trust | 132.38 | 0.001 |  | -61.69 | 0.652 |
| Barnsley Hospital NHS Foundation Trust | 264.05 | 0.047 |  | -883.32 | 0.275 |
| The Rotherham NHS Foundation Trust | 77.36 | 0.435 |  | -417.63 | 0.264 |
| Chesterfield Royal Hospital NHS Foundation Trust | -159.03 | 0.006 |  | -625.55 | 0.008 |
| Royal Papworth Hospital NHS Foundation Trust | 142.82 | 0.013 |  | -139.06 | 0.338 |
| North West Anglia NHS Foundation Trust | 78.07 | 0.018 |  | -60.83 | 0.654 |
| James Paget University Hospitals NHS Foundation Trust | 159.21 | 0.011 |  | -171.56 | 0.277 |
| Ipswich Hospital NHS Trust |  |  |  | -141.18 | 0.321 |
| West Suffolk NHS Foundation Trust | -43.44 | 0.356 |  | -184.67 | 0.236 |
| Cambridge University Hospitals NHS Foundation Trust | 103.19 | 0.001 |  | -10.04 | 0.94 |
| Royal Devon And Exeter NHS Foundation Trust | -12.17 | 0.776 |  | -198.16 | 0.151 |
| University Hospital Southampton NHS Foundation Trust | 87.96 | 0.012 |  | -29.42 | 0.827 |
| Sheffield Teaching Hospitals NHS Foundation Trust | 157.36 | 0 |  | -2.60 | 0.985 |
| Portsmouth Hospitals NHS Trust | 30.05 | 0.409 |  | -110.75 | 0.413 |
| Royal Berkshire NHS Foundation Trust | 3.21 | 0.932 |  | -285.93 | 0.037 |
| Guy's And St Thomas' NHS Foundation Trust | 117.71 | 0.001 |  | 11.05 | 0.934 |
| Lewisham And Greenwich NHS Trust | 2.90 | 0.957 |  |  |  |
| Croydon Health Services NHS Trust | 91.98 | 0.238 |  | 42.17 | 0.911 |
| St George's University Hospitals NHS Foundation Trust | 98.64 | 0.006 |  | -48.96 | 0.716 |
| South Warwickshire NHS Foundation Trust | 31.44 | 0.603 |  | -89.93 | 0.601 |
| University Hospitals Of North Midlands NHS Trust | 113.22 | 0.003 |  | -43.64 | 0.748 |
| University Hospitals of Derby and Burton NHS FT | -22.86 | 0.633 |  | -329.89 | 0.033 |
| Northern Lincolnshire And Goole NHS Foundation Trust | 52.69 | 0.214 |  | -519.84 | 0.001 |
| East Cheshire NHS Trust | 10.45 | 0.94 |  | -207.04 | 0.433 |
| Countess Of Chester Hospital NHS Foundation Trust | 132.24 | 0.031 |  | 45.73 | 0.763 |
| King's College Hospital NHS Foundation Trust | 98.69 | 0.007 |  | 32.89 | 0.807 |
| Sherwood Forest Hospitals NHS Foundation Trust | -6.43 | 0.944 |  | -250.57 | 0.206 |
| University Hospitals Plymouth NHS Trust | 86.49 | 0.05 |  | -96.68 | 0.481 |
| University Hospitals Coventry And Warwickshire NHS Trust | 90.35 | 0.016 |  | -112.05 | 0.41 |
| Whittington Health NHS Trust | 26.07 | 0.734 |  | -195.84 | 0.298 |
| The Robert Jones And Agnes Hunt Orthopaedic Hospital NHS Foundation Trust | 49.66 | 0.697 |  | -41.85 | 0.795 |
| The Royal Wolverhampton NHS Trust | 121.97 | 0.001 |  | -58.24 | 0.667 |
| City Hospitals Sunderland NHS Foundation Trust | 62.98 | 0.178 |  | -173.88 | 0.219 |
| Wye Valley NHS Trust | -12.91 | 0.924 |  | -546.20 | 0.086 |
| George Eliot Hospital NHS Trust | 120.03 | 0.106 |  | -207.36 | 0.394 |
| Norfolk And Norwich University Hospitals NHS Foundation Trust | 120.15 | 0 |  | -41.27 | 0.76 |
| University Hospital Of South Manchester NHS Foundation Trust | 128.84 | 0.002 |  | -3.66 | 0.979 |
| Salford Royal NHS Foundation Trust | 83.21 | 0.064 |  | -105.35 | 0.451 |
| Bolton NHS Foundation Trust | 256.53 | 0.004 |  | -186.13 | 0.342 |
| Tameside And Glossop Integrated Care NHS Foundation Trust | 459.04 | 0.005 |  | 693.53 | 0.051 |
| Great Western Hospitals NHS Foundation Trust | 26.63 | 0.475 |  | -50.63 | 0.709 |
| Hampshire Hospitals NHS Foundation Trust | 36.88 | 0.348 |  | -159.63 | 0.24 |
| Dartford And Gravesham NHS Trust | 11.01 | 0.914 |  | 118.46 | 0.541 |
| The Dudley Group NHS Foundation Trust | -49.01 | 0.275 |  | -253.35 | 0.072 |
| North Cumbria University Hospitals NHS Trust | 103.29 | 0.093 |  | -83.80 | 0.607 |
| North Cumbria Integrated Care NHS Foundation Trust | 246.87 | 0.779 |  | 940.02 | 0.264 |
| Kettering General Hospital NHS Foundation Trust | 13.92 | 0.724 |  | -147.59 | 0.28 |
| Northampton General Hospital NHS Trust | 44.39 | 0.25 |  | -163.59 | 0.232 |
| Salisbury NHS Foundation Trust | -6.59 | 0.859 |  | -142.79 | 0.291 |
| Great Ormond Street Hospital For Children NHS Foundation Trust | 107.68 | 0.005 |  | -100.76 | 0.463 |
| Doncaster And Bassetlaw Teaching Hospitals NHS Foundation Trust | 135.05 | 0.043 |  | -233.81 | 0.221 |
| Moorfields Eye Hospital NHS Foundation Trust | -101.82 | 0.171 |  | -210.27 | 0.154 |
| Medway NHS Foundation Trust | 162.57 | 0.018 |  | -187.09 | 0.278 |
| Queen Victoria Hospital NHS Foundation Trust | 232.09 | 0.332 |  | -44.41 | 0.827 |
| The Royal Marsden NHS Foundation Trust | 25.31 | 0.571 |  | -19.81 | 0.888 |
| Birmingham Women's And Children's NHS Foundation Trust | 135.43 | 0 |  | 6.94 | 0.959 |
| Royal Liverpool And Broadgreen University Hospitals NHS Trust | 86.51 | 0.199 |  | -294.33 | 0.085 |
| Mid Essex Hospital Services NHS Trust | 72.56 | 0.077 |  | -147.18 | 0.292 |
| Chelsea And Westminster Hospital NHS Foundation Trust | 13.97 | 0.71 |  | -40.72 | 0.765 |
| Hinchingbrooke Health Care NHS Trust | -299.41 | 0.146 |  | -1786.40 | 0.18 |
| The Princess Alexandra Hospital NHS Trust | 98.00 | 0.009 |  | -60.26 | 0.661 |
| Homerton University Hospital NHS Foundation Trust | -16.83 | 0.786 |  | -199.18 | 0.297 |
| Heart Of England NHS Foundation Trust | 74.64 | 0.043 |  | -85.78 | 0.526 |
| Gateshead Health NHS Foundation Trust | 85.67 | 0.041 |  | -210.62 | 0.132 |
| Leeds Teaching Hospitals NHS Trust | 168.28 | 0 |  | -16.25 | 0.904 |
| Wrightington, Wigan And Leigh NHS Foundation Trust | 40.77 | 0.698 |  | -215.65 | 0.162 |
| The Royal Orthopaedic Hospital NHS Foundation Trust | -67.40 | 0.836 |  | -177.81 | 0.44 |
| University Hospitals Birmingham NHS Foundation Trust | 101.86 | 0.005 |  | -48.26 | 0.722 |
| University College London Hospitals NHS Foundation Trust | 93.95 | 0.008 |  | -59.17 | 0.661 |
| Royal Brompton & Harefield NHS Foundation Trust | 110.67 | 0.006 |  | -108.50 | 0.426 |
| The Newcastle Upon Tyne Hospitals NHS Foundation Trust | 137.60 | 0.001 |  | -84.99 | 0.535 |
| Gloucestershire Hospitals NHS Foundation Trust | 66.16 | 0.097 |  | -76.34 | 0.576 |
| Northumbria Healthcare NHS Foundation Trust | 24.44 | 0.62 |  | -229.74 | 0.15 |
| University Hospitals Of Derby And Burton NHS Foundation Trust | 69.13 | 0.049 |  | -107.86 | 0.424 |
| Oxford University Hospitals NHS Foundation Trust | 165.89 | 0 |  | -58.99 | 0.661 |
| Ashford And St Peter's Hospitals NHS Foundation Trust | 96.02 | 0.15 |  | -52.95 | 0.722 |
| Surrey And Sussex Healthcare NHS Trust | 74.34 | 0.083 |  | -104.76 | 0.446 |
| South Tees Hospitals NHS Foundation Trust | 76.62 | 0.075 |  | -85.76 | 0.533 |
| University Hospitals Of Morecambe Bay NHS Foundation Trust | 89.36 | 0.174 |  | -351.71 | 0.054 |
| Central And North West London NHS Foundation Trust | -150.39 | 0.734 |  |  |  |
| South London and Maudsley NHS Foundation Trust |  |  |  | 4631.40 | 0.426 |
| North Bristol NHS Trust | 130.47 | 0.003 |  | 9.51 | 0.945 |
| Epsom And St Helier University Hospitals NHS Trust | 106.62 | 0.037 |  | 15.32 | 0.927 |
| East Kent Hospitals University NHS Foundation Trust | 38.93 | 0.379 |  | -106.33 | 0.452 |
| North Tees And Hartlepool NHS Foundation Trust | 112.63 | 0.077 |  | -261.99 | 0.178 |
| Southport And Ormskirk Hospital NHS Trust | 339.88 | 0.031 |  | -5.95 | 0.99 |
| Central Manchester University Hospitals NHS Foundation Trust | 171.60 | 0 |  | 28.77 | 0.832 |
| Pennine Acute Hospitals NHS Trust | 114.04 | 0.004 |  | -13.24 | 0.932 |
| Hull University Teaching Hospitals NHS Trust | 169.74 | 0 |  | -61.09 | 0.652 |
| United Lincolnshire Hospitals NHS Trust | 136.47 | 0 |  | -122.71 | 0.37 |
| University Hospitals Of Leicester NHS Trust | 105.79 | 0.002 |  | -87.11 | 0.517 |
| Maidstone And Tunbridge Wells NHS Trust | 125.29 | 0.002 |  | -24.32 | 0.861 |
| West Hertfordshire Hospitals NHS Trust | 16.76 | 0.74 |  | -72.93 | 0.608 |
| East And North Hertfordshire NHS Trust | 94.41 | 0.006 |  | -65.66 | 0.626 |
| Stockport NHS Foundation Trust | -36.70 | 0.705 |  | -296.05 | 0.129 |
| Worcestershire Acute Hospitals NHS Trust | 7.07 | 0.861 |  | -151.07 | 0.271 |
| Warrington And Halton Hospitals NHS Foundation Trust | 15.76 | 0.892 |  | -467.82 | 0.104 |
| Calderdale And Huddersfield NHS Foundation Trust | -43.25 | 0.615 |  | -250.16 | 0.14 |
| Nottingham University Hospitals NHS Trust | 173.55 | 0 |  | -5.91 | 0.965 |
| East Sussex Healthcare NHS Trust | 21.70 | 0.631 |  | -239.00 | 0.102 |
| Mid Yorkshire Hospitals NHS Trust | 18.29 | 0.742 |  | 94.10 | 0.561 |
| Brighton And Sussex University Hospitals NHS Trust | 70.34 | 0.047 |  | -116.27 | 0.388 |
| Sandwell And West Birmingham Hospitals NHS Trust | 69.14 | 0.107 |  | -94.86 | 0.491 |
| Blackpool Teaching Hospitals NHS Foundation Trust | 109.53 | 0.039 |  | -93.03 | 0.519 |
| Lancashire Teaching Hospitals NHS Foundation Trust | 100.08 | 0.074 |  | 26.01 | 0.855 |
| County Durham And Darlington NHS Foundation Trust | 100.76 | 0.044 |  | -199.08 | 0.293 |
| Buckinghamshire Healthcare NHS Trust | 19.68 | 0.603 |  | -89.95 | 0.507 |
| East Lancashire Hospitals NHS Trust | 133.03 | 0.011 |  | -123.17 | 0.42 |
| Shrewsbury And Telford Hospital NHS Trust | 83.63 | 0.108 |  | -95.72 | 0.523 |
| Imperial College Healthcare NHS Trust | 103.20 | 0.003 |  | 13.95 | 0.917 |
| Western Sussex Hospitals NHS Foundation Trust | 52.06 | 0.3 |  | -108.33 | 0.455 |
| Cambridgeshire Community Services NHS Trust | -128.72 | 0.876 |  |  |  |
| Birmingham Community Healthcare NHS Foundation Trust | 145.30 | 0.479 |  | 52.11 | 0.868 |
|  |  |  |  |  |  |
| **Attributed variables** |  |  |  |  |  |
| Log population variance | -5.07 | 0.076 |  | 4.42 | 0.181 |
| Private care in last 2 years | -201.08 | 0 |  |  |  |
| % DLA/PIP | 153.97 | 0 |  |  |  |
| IMD years of potential life lost indicator | -0.25 | 0 |  |  |  |
| QoF Hypertension prevalence |  |  |  | 0.57 | 0 |
|  |  |  |  |  |  |
|  |  |  |  |  |  |