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## Supplementary Material

*To the paper: "A nationwide study of prevalence rates and characteristics of 199 chronic conditions in Denmark"*

Hvidberg, Michael Falk; Johnsen, Søren Paaske; Davidsen, Michael; Ehlers, Lars Holger

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# Supplementary Material

To the paper: “A nationwide study of prevalence rates and characteristics of 199 chronic conditions in Denmark”

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The supplementary material contains further information on difference in prevalence rates related to geographics (regions), gender and age of chronic patients in Denmark

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This supplementary material forms part of the original submission and has been peer-reviewed.

## Supplementary Material 1: Mean age of chronic patients in Denmark

Table 1. Mean and std. dev. for men and women for each of the 199 conditions and chosen medicine. Data from Statistics Denmark 1st January 2013.

| Nr. | Name of condition  | Mean age    |                 |             |                 |             |                 |
|-----|--|-------------|-----------------|-------------|-----------------|-------------|-----------------|
|     |  | Denmark     |                 | Men         |                 | Women       |                 |
|     |  | <i>mean</i> | <i>std. dev</i> | <i>mean</i> | <i>std. dev</i> | <i>mean</i> | <i>std. dev</i> |
|     | <b>B – Viral hepatitis and human immunodeficiency virus [HIV] disease</b>  | 46.9        | 12              | 48.3        | 11.9            | 44.3        | 11.9            |
| 1   | Chronic viral hepatitis  | 46          | 12.2            | 46.9        | 12              | 44.5        | 12.4            |
| 2   | Human immunodeficiency virus [HIV] disease   | 47.8        | 11.5            | 49.3        | 11.4            | 43.9        | 10.7            |
|     | <b>C – Malignant neoplasms</b>   | 65.4        | 14.5            | 66.2        | 14.3            | 64.8        | 14.6            |
| 3   | Malignant neoplasms of other and unspecified localisations   | 62          | 14.9            | 62.8        | 14              | 60.9        | 15.7            |
| 4   | Malignant neoplasms of digestive organs  | 67.5        | 12.2            | 67.3        | 11.3            | 67.8        | 13.5            |
| 5   | Malignant neoplasm of colon  | 71.7        | 11.9            | 70.9        | 11.3            | 72.4        | 12.4            |
| 6   | Malignant neoplasms of rectosigmoid junction, rectum, anus and anal canal  | 70          | 11.2            | 70.1        | 10.6            | 70          | 12              |
| 7   | Malignant neoplasm of bronchus and lung  | 67.8        | 11.2            | 67.8        | 11.2            | 67.9        | 11.1            |
| 8   | Malignant melanoma of skin   | 59.4        | 16.5            | 61.8        | 15.5            | 57.6        | 16.9            |
| 9   | Other malignant neoplasms of skin  | 71.3        | 13.3            | 71.7        | 12.4            | 70.9        | 14.3            |
| 10  | Malignant neoplasm of breast   | 66          | 12              | 67.3        | 13.2            | 66          | 12              |
| 11  | Malignant neoplasms of female genital organs   | 63          | 14.1            | -           | -               | 63          | 14.1            |
| 12  | Malignant neoplasm of cervix uteri, corpus uteri and part unspecified  | 63.8        | 14.8            | 0           | 0               | 63.8        | 14.8            |
| 13  | Malignant tumour of male genitalia   | 47.3        | 14.3            | 47.3        | 14.3            | -           | -               |
| 14  | Malignant neoplasm of prostate   | 72.7        | 8.4             | 72.7        | 8.4             | 63.8        | 12.2            |
| 15  | Malignant neoplasms of urinary tract   | 70.2        | 11.8            | 70.3        | 11.4            | 70.1        | 12.8            |
| 16  | Brain cancer <sup>c</sup>  | 59.1        | 16              | 60          | 15.5            | 58.2        | 16.5            |
| 17  | Malignant neoplasms of ill-defined, secondary and unspecified sites, and of independent (primary) multiple sites   | 63.8        | 13.8            | 63.5        | 14              | 64          | 13.6            |
| 18  | Malignant neoplasms, stated or presumed to be primary, of lymphoid, haematopoietic and related tissue  | 62.6        | 17              | 61.8        | 16.7            | 63.6        | 17.3            |
|     | <b>D – In situ and benign neoplasms, and neoplasms of uncertain or unknown behaviour and diseases of the blood and blood-forming organs and certain disorders involving the immune mechanism</b> | 60.6        | 19.2            | 63.5        | 17.4            | 59          | 19.9            |
| 19  | In situ neoplasms  | 57.6        | 16.5            | 67.3        | 14.4            | 55.2        | 16.1            |
| 20  | Haemolytic anaemias  | 50.9        | 19.9            | 53.9        | 19.9            | 49.4        | 19.7            |
| 21  | Aplastic and other anaemias  | 67.4        | 17.5            | 69.2        | 14.7            | 66.2        | 19.1            |
| 22  | Other anaemias   | 69.3        | 17.3            | 71.1        | 14.2            | 68.2        | 18.9            |
| 23  | Coagulation defects, purpura and other haemorrhagic conditions   | 50.3        | 18.2            | 54.8        | 17.4            | 47.6        | 18.1            |
| 24  | Other diseases of blood and blood-forming organs   | 57.8        | 16.6            | 57.6        | 16.2            | 57.9        | 16.9            |
| 25  | Certain disorders involving the immune mechanism   | 50.5        | 15.9            | 49.7        | 14.9            | 51.3        | 16.8            |
|     | <b>E – Endocrine, nutritional and metabolic diseases</b>   | 63.7        | 14.5            | 63.8        | 13.2            | 63.7        | 15.5            |
| 26  | Diseases of the thyroid <sup>c</sup>   | 60.2        | 16.3            | 60.8        | 15.9            | 60.1        | 16.4            |
| 27  | Thyrotoxicosis <sup>c</sup>  | 61.5        | 17.4            | 63.1        | 15.4            | 61.1        | 17.8            |
| 28  | Diabetes type 1 <sup>c</sup>   | 47.5        | 17.2            | 47.2        | 16.7            | 47.9        | 17.9            |
| 29  | Diabetes type 2 <sup>c</sup>   | 65.5        | 13.1            | 65.3        | 11.7            | 65.7        | 14.5            |
| 30  | Diabetes others <sup>c</sup>   | 55.9        | 19.5            | 57.6        | 17              | 54.3        | 21.5            |
| 31  | Disorders of other endocrine glands  | 49          | 19.9            | 53.9        | 19.6            | 47.1        | 19.7            |
| 32  | Metabolic disorders  | 54          | 18.1            | 53.3        | 17.4            | 54.4        | 18.4            |
| 33  | Disturbances in lipoprotein circulation and other lipids <sup>c</sup>  | 66.5        | 11.7            | 65.3        | 11.6            | 67.9        | 11.7            |
| 34  | Cystic fibrosis <sup>c</sup>   | 40.4        | 16.5            | 40.3        | 16.5            | 40.5        | 16.4            |
|     | <b>G – Diseases of the nervous system</b>  | 55.7        | 16.6            | 56.2        | 16.3            | 55.3        | 16.8            |
| 35  | Inflammatory diseases of the central nervous system  | 53          | 17.2            | 52.8        | 16.6            | 53.2        | 17.8            |
| 36  | Systemic atrophies primarily affecting the central nervous system  | 70.2        | 16.2            | 67.7        | 15.5            | 72.3        | 16.6            |

|     |  |      |      |      |      |      |      |
|-----|--|------|------|------|------|------|------|
|     | and other degenerative diseases  |      |      |      |      |      |      |
| 37  | Parkinson's disease <sup>c</sup>   | 62.8 | 16   | 61.7 | 15.7 | 63.6 | 16.2 |
| 38  | Extrapyramidal and movement disorders  | 60.3 | 17.8 | 59.6 | 17.2 | 60.7 | 18.3 |
| 39  | Sclerosis  | 52.1 | 13.3 | 52.9 | 13.1 | 51.8 | 13.4 |
| 40  | Demyelinating diseases of the central nervous system   | 49   | 13.6 | 49.9 | 13.6 | 48.5 | 13.5 |
| 41  | Epilepsy <sup>c</sup>  | 53.3 | 18.2 | 52.7 | 17.7 | 53.8 | 18.7 |
| 42  | Migraine <sup>c</sup>  | 50.1 | 14.4 | 49.1 | 15   | 50.4 | 14.2 |
| 43  | Other headache syndromes   | 45.4 | 15.8 | 46.8 | 15.5 | 44.5 | 15.9 |
| 44  | Transient cerebral ischaemic attacks and related syndromes and vascular syndromes of brain in cerebrovascular diseases   | 68.4 | 13.5 | 67.5 | 12.6 | 69.5 | 14.5 |
| 45  | Sleep disorders  | 54.4 | 13.7 | 54.6 | 13.2 | 53.7 | 15   |
| 46  | Disorders of trigeminal nerve and facial nerve disorders   | 55.7 | 16.7 | 54.9 | 16.3 | 56.3 | 17   |
| 47  | Disorders of other cranial nerves, cranial nerve disorders in diseases classified elsewhere, nerve root and plexus disorders and nerve root and plexus compressions in diseases classified elsewhere | 56.7 | 14.8 | 57.3 | 14.5 | 56.1 | 15   |
| 48  | Mononeuropathies of upper limb   | 56.8 | 14.8 | 56.4 | 14.4 | 57   | 15   |
| 49  | Mononeuropathies of lower limb, other mononeuropathies and mononeuropathy in diseases classified elsewhere   | 56.6 | 14.6 | 55.8 | 14.4 | 57.2 | 14.8 |
| 50  | Polyneuropathies and other disorders of the peripheral nervous system  | 63.3 | 15.1 | 63.2 | 14.2 | 63.3 | 16.2 |
| 51  | Diseases of myoneural junction and muscle  | 53   | 17.5 | 52.1 | 17.9 | 53.7 | 17.1 |
| 52  | Cerebral palsy and other paralytic syndromes   | 49.2 | 18.3 | 48.2 | 17.9 | 50.4 | 18.6 |
| 53  | Other disorders of the nervous system  | 55.9 | 17.7 | 56.9 | 17.1 | 55.1 | 18.2 |
|     | <b>H – Diseases of the eye and adnexa and diseases of the ear and mastoid process</b>  | 66.4 | 16.8 | 65.3 | 16   | 67.5 | 17.3 |
| 54  | Disorders of eyelid, lacrimal system and orbit   | 62   | 15.9 | 63.7 | 15.7 | 60.9 | 15.9 |
| 55  | Corneal scars and opacities  | 59.5 | 18.4 | 57.9 | 17.8 | 61.7 | 18.9 |
| 56  | Other disorders of cornea  | 62.6 | 18.9 | 57.9 | 19   | 66.2 | 18   |
| 57  | Diseases of the eye lens (cataracts)   | 73.5 | 10.7 | 72.5 | 11.1 | 74.2 | 10.5 |
| 58  | Disorders of the choroid and retina  | 59.6 | 18.6 | 57.9 | 18   | 61.3 | 19   |
| 59  | Retinal vascular occlusions  | 71.5 | 13.1 | 70.1 | 12.4 | 72.9 | 13.6 |
| 60  | Other retinal disorders  | 73.7 | 14.5 | 70.6 | 15   | 75.8 | 13.7 |
| 61  | Retinal disorders in diseases classified elsewhere   | 59.3 | 15.4 | 59   | 14.5 | 59.6 | 16.5 |
| 62  | Glaucoma <sup>c</sup>  | 71.9 | 13.3 | 70.2 | 13.1 | 73.2 | 13.3 |
| 63  | Disorders of the vitreous body and globe   | 60   | 15.9 | 60.2 | 16.1 | 59.8 | 15.7 |
| 64  | Disorders of optic nerve and visual pathways   | 50.4 | 16.8 | 52.1 | 17   | 49.3 | 16.6 |
| 65  | Disorders of ocular muscles, binocular movement, accommodation and refraction  | 46.2 | 16.5 | 46.2 | 16.4 | 46.2 | 16.6 |
| 66  | Visual disturbances  | 58.2 | 18.1 | 57.2 | 17.7 | 59   | 18.5 |
| 67  | Blindness and partial sight  | 63.4 | 20.2 | 60.6 | 19   | 65.6 | 20.8 |
| 68  | Nystagmus and other irregular eye movements and other disorders of eye and adnexa  | 54.2 | 18.1 | 53.3 | 17.8 | 54.8 | 18.3 |
| 69  | Otosclerosis   | 61.4 | 15.8 | 61.4 | 15   | 61.4 | 16.3 |
| 70  | Ménière's disease <sup>c</sup>   | 65.8 | 14.4 | 66.2 | 13.6 | 65.6 | 15   |
| 71  | Other diseases of the inner ear  | 68.6 | 12.1 | 69.2 | 11.5 | 62   | 15.8 |
| 72  | Conductive and sensorineural hearing loss  | 62.3 | 18.4 | 62   | 17.6 | 62.6 | 19.1 |
| 73  | Other hearing loss and other disorders of ear not classified elsewhereclassified elsewhere   | 61.7 | 17.5 | 62   | 16.6 | 61.3 | 18.5 |
| 74  | Presbycusis (age-related hearing loss)   | 79.7 | 10.3 | 77.9 | 9.7  | 81.3 | 10.6 |
| 75  | Hearing loss, unspecified  | 67.9 | 14.7 | 67.6 | 13.6 | 68.4 | 16   |
| 76  | Tinnitus   | 61.5 | 14.2 | 61.2 | 13.5 | 61.8 | 15.2 |
| 77  | Other specified disorders of ear   | 66.9 | 14.5 | 67.1 | 13.7 | 66.7 | 15.2 |
|     | <b>I – Diseases of the circulatory system</b>  | 63.3 | 15.3 | 63.3 | 14   | 63.4 | 16.3 |
| 78  | Aortic and mitral valve disease <sup>c</sup>   | 72.4 | 14   | 70.7 | 13.2 | 74.2 | 14.5 |
| 79  | Hypertensive diseases <sup>c</sup>   | 65.2 | 14.1 | 65   | 12.7 | 65.3 | 15.2 |
| 80  | Heart failure <sup>c</sup>   | 71   | 13.2 | 69.3 | 12.5 | 74   | 13.8 |
| 80A | Ischaemic heart diseases   | 68.3 | 12.8 | 67.1 | 12.2 | 70.1 | 13.4 |
| 81  | Angina pectoris  | 66.6 | 12.3 | 65.7 | 11.9 | 67.8 | 12.8 |

|      |  |      |      |      |      |      |      |
|------|--|------|------|------|------|------|------|
| 82   | Acute myocardial infarction and subsequent myocardial infarction   | 68   | 13.1 | 66.2 | 12.4 | 71.5 | 13.6 |
| 83   | AMI complex/other  | 66.3 | 14.2 | 65.2 | 13.6 | 68   | 15   |
| 84   | Chronic ischaemic heart disease  | 70.4 | 11.9 | 68.9 | 11.4 | 73   | 12.5 |
| 85   | Pulmonary heart disease and diseases of pulmonary circulation  | 65.5 | 17.1 | 65.7 | 14.6 | 65.4 | 18.9 |
| 86   | Acute pericarditis   | 51.4 | 17.3 | 49.4 | 16.7 | 56.8 | 17.6 |
| 87   | Other forms of heart disease   | 61.8 | 18   | 60.4 | 17.7 | 64   | 18.1 |
| 88   | Atrioventricular and left bundle branch block  | 73.6 | 15   | 73   | 13.9 | 74.4 | 16.4 |
| 89   | Other conduction disorders   | 63.6 | 18.7 | 63   | 17.6 | 64.5 | 20   |
| 90   | Paroxysmal tachycardia   | 61.7 | 17.2 | 62.5 | 15.9 | 61   | 18.4 |
| 91   | Atrial fibrillation and flutter  | 72.6 | 12.7 | 70.1 | 12.4 | 75.8 | 12.4 |
| 92   | Other cardiac arrhythmias  | 65.5 | 16.9 | 66   | 15.5 | 65.1 | 18.1 |
| 93   | Complications and ill-defined descriptions of heart disease and other heart disorders in diseases classified elsewhere   | 64.1 | 17.5 | 64.5 | 16   | 63.8 | 18.9 |
| 94   | Stroke   | 69.4 | 13.6 | 68.3 | 12.6 | 70.7 | 14.6 |
| 95   | Cerebrovascular diseases   | 65.9 | 15   | 66.7 | 13.9 | 65   | 16   |
| 96   | Sequelae of cerebrovascular disease  | 71.4 | 13.2 | 70   | 12.3 | 72.9 | 14.1 |
| 97   | Atherosclerosis  | 71.6 | 12   | 70.3 | 11.2 | 73   | 12.6 |
| 98   | Aortic aneurysm and aortic dissection  | 71.7 | 11   | 71.6 | 10.4 | 72   | 12.5 |
| 99   | Diseases of arteries, arterioles and capillaries   | 60.5 | 16.5 | 62.9 | 15.3 | 58.4 | 17.1 |
| 100  | Other peripheral vascular diseases   | 68.6 | 12.9 | 68.3 | 11.5 | 68.9 | 14.4 |
| 101  | Phlebitis, thrombosis of the portal vein and others  | 60.9 | 17.3 | 61.3 | 15.2 | 60.6 | 19   |
| 102  | Varicose veins of lower extremities  | 55.2 | 15.5 | 57   | 15   | 54.4 | 15.7 |
| 103  | Haemorrhoids °   | 50.7 | 17.3 | 51.6 | 16.2 | 50.2 | 17.9 |
| 104  | Oesophageal varices (chronic), varicose veins of other sites, other disorders of veins, non-specific lymphadenitis, other non-infective disorders of lymphatic vessels and lymph nodes and other and unspecified disorders of the circulatory system | 55.3 | 18.8 | 53   | 18.4 | 57.8 | 19   |
|      | <b>J – Diseases of the respiratory system</b>  | 52.4 | 18.4 | 51.5 | 18.3 | 53   | 18.4 |
| 105  | Respiratory allergy °  | 51.5 | 18.2 | 50.3 | 18   | 52.4 | 18.3 |
| 105A | Chronic lower respiratory diseases °   | 55.4 | 17.1 | 54.9 | 17.4 | 55.7 | 17   |
| 106  | Bronchitis, not specified as acute or chronic, simple and mucopurulent chronic bronchitis and unspecified chronic bronchitis   | 68   | 14   | 67.9 | 13.6 | 68.1 | 14.3 |
| 107  | Emphysema  | 65.4 | 13.8 | 64.7 | 14   | 66.2 | 13.5 |
| 108  | Chronic obstructive lung disease (COPD) °  | 61.6 | 17.3 | 61.5 | 16.9 | 61.6 | 17.5 |
| 109  | Asthma, status asthmaticus °   | 52   | 19   | 50.8 | 19   | 52.8 | 18.9 |
| 110  | Bronchiectasis   | 62.6 | 14.7 | 60.8 | 15.1 | 63.6 | 14.4 |
| 111  | Other diseases of the respiratory system   | 63.3 | 16.5 | 62.5 | 16   | 64.2 | 16.9 |
|      | <b>K – Diseases of the digestive system</b>  | 57.4 | 18.4 | 57.5 | 17.3 | 57.3 | 19.3 |
| 112  | Ulcers °   | 60.3 | 18   | 59.6 | 16.9 | 60.8 | 18.7 |
| 113  | Inguinal hernia  | 60.1 | 16   | 60.2 | 15.6 | 58.9 | 18.6 |
| 114  | Ventral hernia   | 59.2 | 15.3 | 60.7 | 14.6 | 58   | 15.7 |
| 115  | Crohn's disease  | 47.2 | 17.1 | 47   | 16.7 | 47.4 | 17.3 |
| 116  | Ulcerative colitis   | 51.3 | 17.5 | 51   | 17.1 | 51.6 | 17.9 |
| 117  | Other non-infective gastroenteritis and colitis  | 59   | 19.8 | 56.9 | 19.2 | 60.1 | 20   |
| 118  | Irritable bowel syndrome (IBS)   | 49.7 | 17.7 | 51   | 16.4 | 49.2 | 18.2 |
| 119  | Other functional intestinal disorders  | 59.2 | 20.3 | 60.4 | 19   | 58.5 | 21   |
| 120  | Diseases of liver, biliary tract and pancreas  | 57.9 | 15.1 | 56.9 | 14.4 | 58.8 | 15.7 |
|      | <b>L – Diseases of the skin and subcutaneous tissue</b>  | 56.2 | 16.5 | 55.6 | 15.8 | 56.8 | 17.1 |
| 121  | Psoriasis °  | 56.2 | 16.5 | 55.6 | 15.8 | 56.8 | 17.1 |
|      | <b>M – Diseases of the musculoskeletal system and connective tissue</b>  | 58.1 | 17.7 | 56.6 | 17   | 59.2 | 18.1 |
| 122  | Infectious arthropathies   | 50.4 | 16.7 | 50.6 | 16.4 | 50.3 | 17.1 |
| 122A | Inflammatory polyarthropathies and ankylosing spondylitis °  | 61.2 | 15.8 | 61.5 | 14.6 | 60.8 | 17   |
| 123  | Rheumatoid arthritis °   | 58   | 16.2 | 57.4 | 15.6 | 58.4 | 16.4 |
| 124  | Inflammatory polyarthropathies – except rheumatoid arthritis °   | 62.1 | 15.5 | 62.3 | 14.3 | 61.8 | 17.1 |

|     |   |      |      |      |      |      |      |
|-----|---|------|------|------|------|------|------|
| 125 | Polyarthrosis [arthrosis]   | 68.5 | 11.8 | 67   | 12.2 | 68.9 | 11.7 |
| 126 | Coxarthrosis [arthrosis of hip]   | 70.7 | 13   | 68.6 | 12.8 | 72.3 | 12.9 |
| 127 | Gonarthrosis [arthrosis of knee]  | 65.6 | 13.1 | 63.5 | 12.6 | 67.3 | 13.2 |
| 128 | Arthrosis of first carpometacarpal joint and other arthrosis  | 62.9 | 13.7 | 60.3 | 13.7 | 64.7 | 13.3 |
| 129 | Acquired deformities of fingers and toes  | 57.6 | 15.8 | 55.8 | 15.8 | 58   | 15.8 |
| 130 | Other acquired deformities of limbs   | 55   | 17.9 | 51.9 | 18.2 | 56.7 | 17.5 |
| 131 | Disorders of patella (knee cap)   | 36.4 | 13.4 | 37.7 | 13   | 35.5 | 13.6 |
| 132 | Internal derangement of knee  | 39.4 | 15.1 | 38.8 | 14.4 | 40.2 | 16   |
| 133 | Derangement of meniscus due to old tear or injury   | 47.7 | 15.1 | 46.5 | 14.4 | 49.1 | 15.8 |
| 134 | Internal derangement of knee, unspecified   | 43.9 | 16.4 | 43.7 | 15.4 | 44.2 | 17.3 |
| 135 | Other specific joint derangements   | 38.9 | 16.9 | 36.9 | 15.4 | 41.6 | 18.4 |
| 136 | Other joint disorders not classified elsewhere  | 48.4 | 16.7 | 48.4 | 17   | 48.3 | 16.5 |
| 137 | Systemic connective tissue disorders  | 62.2 | 18.6 | 65.6 | 17.2 | 61.1 | 18.9 |
| 138 | Systemic lupus erythematosus  | 53.1 | 15.5 | 55.3 | 16.3 | 52.8 | 15.3 |
| 139 | Dermatopolymyositis   | 58.4 | 15.6 | 57.1 | 14.4 | 59.2 | 16.4 |
| 140 | Systemic sclerosis  | 59.1 | 14.6 | 56.8 | 15.2 | 59.8 | 14.4 |
| 141 | Kyphosis, lordosis  | 50.6 | 16   | 48.2 | 16   | 52.8 | 15.6 |
| 142 | Scoliosis   | 43.2 | 20.7 | 40.8 | 19.8 | 44.3 | 21.1 |
| 143 | Spinal osteochondrosis  | 50   | 15.2 | 48.7 | 14.7 | 52.1 | 15.7 |
| 144 | Other deforming dorsopathies  | 58.8 | 15.6 | 56.1 | 15   | 60.9 | 15.7 |
| 145 | Other inflammatory spondylopathies  | 53.4 | 16.4 | 54.4 | 16.4 | 52.5 | 16.3 |
| 146 | Spondylosis   | 63.1 | 13.3 | 61.8 | 12.6 | 64.3 | 13.9 |
| 147 | Other spondylopathies and spondylopathies in diseases classified elsewhere  | 68.4 | 12.9 | 66.6 | 12.6 | 69.9 | 12.9 |
| 148 | Cervical disc disorders   | 51.7 | 11.7 | 52.3 | 11.5 | 51.3 | 11.8 |
| 149 | Other intervertebral disc disorders   | 52   | 14.7 | 51   | 14.1 | 52.9 | 15.3 |
| 150 | Other dorsopathies not classified elsewhere   | 49.6 | 15.7 | 50.1 | 15   | 49.2 | 16.1 |
| 151 | Dorsalgia   | 51.4 | 17.5 | 50.5 | 16.1 | 52.2 | 18.4 |
| 152 | Soft tissue disorders   | 46   | 17.5 | 49.6 | 17.9 | 44.6 | 17.2 |
| 153 | Synovitis and tenosynovitis   | 51.2 | 17.1 | 49.9 | 17   | 51.9 | 17.1 |
| 154 | Disorders of synovium and tendon  | 44.7 | 17.1 | 44.5 | 16.2 | 44.9 | 17.7 |
| 155 | Soft tissue disorders related to use, overuse and pressure  | 53.4 | 17.7 | 52.7 | 17.3 | 53.9 | 18.1 |
| 156 | Fibroblastic disorders  | 63   | 14.1 | 64.2 | 13.4 | 60.9 | 15   |
| 157 | Shoulder lesions  | 52.9 | 14.2 | 52.8 | 14.5 | 53   | 13.9 |
| 158 | Enthesopathies of lower limb, excluding foot  | 44.6 | 16.1 | 42.9 | 15.2 | 46.2 | 16.8 |
| 159 | Other enthesopathies  | 48.4 | 13.9 | 47   | 13.7 | 49.4 | 14   |
| 160 | Rheumatism, unspecified   | 54.7 | 13.3 | 53.8 | 15.5 | 54.8 | 12.9 |
| 161 | Myalgia   | 54.3 | 16   | 53.6 | 15.5 | 54.7 | 16.2 |
| 162 | Other soft tissue disorders, not classified elsewhere   | 50.8 | 16.5 | 51.6 | 16.1 | 50.3 | 16.7 |
| 163 | Other soft tissue disorders not classified elsewhere: pain in limb  | 51.3 | 18.7 | 50.4 | 17.8 | 52   | 19.2 |
| 164 | Fibromyalgia  | 50   | 12.5 | 51.1 | 12.9 | 49.9 | 12.5 |
| 165 | Osteoporosis <sup>c</sup>   | 72.1 | 11   | 70.4 | 11.8 | 72.4 | 10.9 |
| 166 | Osteoporosis in diseases classified elsewhere   | 63.9 | 15.8 | 60.9 | 16.5 | 65.6 | 15.2 |
| 167 | Adult osteomalacia and other disorders of bone density and structure  | 63.6 | 13.8 | 60.6 | 16.1 | 64.3 | 13   |
| 168 | Disorders of continuity of bone   | 50   | 19.6 | 45.1 | 18.6 | 55.2 | 19.3 |
| 169 | Other osteopathies  | 60.3 | 16.7 | 57.3 | 16.9 | 62.1 | 16.4 |
| 170 | Other disorders of the musculoskeletal system and connective tissue   | 51.5 | 17.7 | 49.2 | 16.8 | 54.1 | 18.2 |
|     | <b>N – Diseases of the genitourinary system</b>   | 67.7 | 16.4 | 67.6 | 15.8 | 68   | 17.2 |
| 171 | Chronic renal failure (CRF) <sup>c</sup>  | 67.7 | 16.4 | 67.6 | 15.8 | 68   | 17.2 |
|     | <b>Q – Congenital malformations, deformations and chromosomal abnormalities</b>   | 44.1 | 16.9 | 44.5 | 17.4 | 43.8 | 16.5 |
| 172 | Congenital malformations: of the nervous, circulatory and respiratory systems, cleft palate and cleft lip, urinary tract, bones and muscles, other and chromosomal abnormalities not classified elsewhere | 43.4 | 16.7 | 43.4 | 17.5 | 43.5 | 16.2 |
| 173 | Congenital malformations of eye, ear, face and neck   | 41.2 | 16.1 | 42.1 | 16.7 | 40.6 | 15.8 |

|     |   |             |             |             |             |             |             |
|-----|---|-------------|-------------|-------------|-------------|-------------|-------------|
| 174 | Other congenital malformations of the digestive system  | 55.9        | 18.8        | 54.6        | 18.4        | 56.8        | 19.1        |
| 175 | Congenital malformations of the sexual organs   | 45.7        | 15.5        | 46.9        | 16          | 43.6        | 14.2        |
|     | <b>F – Mental and behavioural disorders</b>   | <b>50.5</b> | <b>19.3</b> | <b>49.2</b> | <b>18.5</b> | <b>51.4</b> | <b>19.9</b> |
| 176 | Dementia <sup>c</sup>   | 81.2        | 8.7         | 78.7        | 8.8         | 82.6        | 8.3         |
| 177 | Organic, including symptomatic, mental disorders  | 63.5        | 19.4        | 59.8        | 18.2        | 67          | 19.8        |
| 178 | Mental and behavioural disorders due to use of alcohol  | 50.3        | 16.3        | 50.2        | 15.8        | 50.7        | 17.1        |
| 179 | Mental and behavioural disorders due to use of psychoactive substances                        | 44.8        | 17.3        | 44          | 16.8        | 45.9        | 17.8        |
| 180 | Schizophrenia <sup>c</sup>  | 44.9        | 15.1        | 43.7        | 13.8        | 46.7        | 16.6        |
| 181 | Schizotypal and delusional disorders  | 46.7        | 16.7        | 43.8        | 14.8        | 49.6        | 18          |
| 182 | Bipolar affective disorder <sup>c</sup>   | 52.7        | 16.8        | 51.6        | 15.8        | 53.4        | 17.4        |
| 183 | Depression <sup>c</sup>   | 52.8        | 18.7        | 52.3        | 17.5        | 53          | 19.3        |
| 184 | Mood (affective) disorders  | 50.4        | 17.5        | 49.8        | 16          | 50.7        | 18.3        |
| 185 | Phobic anxiety disorders  | 37.9        | 12.8        | 38.1        | 13          | 37.8        | 12.7        |
| 186 | Other anxiety disorders   | 44.5        | 16.6        | 44          | 15.3        | 44.8        | 17.1        |
| 187 | Obsessive compulsive disorder (OCD) <sup>c</sup>  | 35.1        | 14.3        | 35.5        | 14.4        | 34.9        | 14.3        |
| 188 | Post-traumatic stress disorder  | 44.4        | 12.1        | 45          | 11.5        | 43.9        | 12.5        |
| 189 | Reactions to severe stress and adjustment disorders   | 40.3        | 15.8        | 40.9        | 15.2        | 39.8        | 16.1        |
| 190 | Dissociative (conversion) disorders, somatoform disorders and other neurotic disorders        | 47.9        | 15.7        | 47.6        | 14.6        | 48.1        | 16.2        |
| 191 | Eating disorders  | 28.5        | 10.3        | 30.2        | 14.9        | 28.4        | 10          |
| 192 | Behavioural syndromes associated with physiological disturbances and physical factors         | 41.1        | 14.1        | 43          | 14.2        | 39.5        | 13.9        |
| 193 | Emotionally unstable personality disorder   | 37.5        | 12.2        | 40.6        | 11.4        | 36.7        | 12.2        |
| 194 | Specific personality disorders  | 42.5        | 14.1        | 42.6        | 13          | 42.5        | 14.9        |
| 195 | Disorders of adult personality and behaviour  | 42.2        | 13.6        | 43.4        | 12.8        | 41.4        | 14.2        |
| 196 | Mental retardation  | 42          | 16.9        | 41.1        | 16.5        | 43          | 17.2        |
| 197 | Disorders of psychological development  | 30          | 13.9        | 29.5        | 13.1        | 31          | 15.1        |
| 198 | Hyperkinetic disorders (ADHD) <sup>c</sup>  | 31.9        | 13.7        | 30.3        | 12.8        | 34.5        | 14.6        |
| 199 | Behavioural and emotional disorders with onset usually occurring in childhood and adolescence | 40.9        | 16.8        | 39.8        | 15.9        | 41.9        | 17.6        |
|     |   |             |             |             |             |             |             |
|     | <b>Having one or more chronic conditions</b>  | <b>53.2</b> | <b>18.3</b> | <b>52.9</b> | <b>17.8</b> | <b>53.4</b> | <b>18.7</b> |
|     |   |             |             |             |             |             |             |
|     | Depression medicine <sup>c</sup> **   | 53.3        | 18.8        | 52.5        | 17.8        | 53.8        | 19.3        |
|     | Antipsychotic medicine <sup>c</sup> **  | 51.1        | 19.1        | 48          | 18.1        | 53.7        | 19.6        |
|     | Indication prescribed anxiety medicine <sup>c</sup> **  | 50.7        | 18.3        | 49          | 17.4        | 51.5        | 18.8        |
|     | Heart failure medication <sup>c</sup> **  | 70          | 13.1        | 68.5        | 12.5        | 72.6        | 13.8        |
|     | Ischaemic heart medication <sup>c</sup> **  | 72.3        | 12.5        | 70.2        | 11.8        | 74.6        | 12.9        |
|     | <b>All of the five types of medicine above</b>  | <b>55.9</b> | <b>19.3</b> | <b>55.4</b> | <b>18.4</b> | <b>56.2</b> | <b>19.8</b> |
|     |   |             |             |             |             |             |             |
|     | Others: arthrosis combined (M15-M19)  | 65.7        | 13.6        | 63.7        | 13.4        | 67.3        | 13.6        |
|     | Others: overweight (E86)  | 46.9        | 15.6        | 54.8        | 14.8        | 45          | 15.1        |
|     |   |             |             |             |             |             |             |
|     | <b>Whole population aged 16 years or above</b>  | <b>47.7</b> | <b>19.0</b> |             |             |             |             |

<sup>c</sup> complex defined condition, see reference for further details [1]. \*\* 2-year prevalence. Conditions marked 'A' overlap with other conditions and are thus not counted twice [1].

## Supplementary Material 2: Age distribution of chronic patients in Denmark.

Table 2. Age distribution in 7 categories of the 199 conditions and chosen medicine. Data from Statistics Denmark 1st January 2013.

| Nr. | Name of condition  | N and prevalence |                                    |                     |             |             |              |              |              |              |
|-----|--|------------------|------------------------------------|---------------------|-------------|-------------|--------------|--------------|--------------|--------------|
|     |  | Denmark          |                                    | Age 16-24           | Age 25-34   | Age 35-44   | Age 45-54    | Age 55-64    | Age 65-74    | Age 75+      |
|     |  | <i>N</i>         | <i>Per thousand (standardised)</i> | <i>Per thousand</i> |             |             |              |              |              |              |
|     | <b>B – Viral hepatitis and human immunodeficiency virus [HIV] disease</b>  | <b>8,813</b>     | <b>1.9 (2.0)</b>                   | <b>0.4</b>          | <b>1.7</b>  | <b>3.2</b>  | <b>3.4</b>   | <b>2.4</b>   | <b>0.9</b>   | <b>0.3</b>   |
| 1   | Chronic viral hepatitis  | 4,584            | 1.0 (1.0)                          | 0.2                 | 1.1         | 1.6         | 1.6          | 1.3          | 0.4          | 0.1          |
| 2   | Human immunodeficiency virus [HIV] disease   | 4,229            | 0.9 (0.9)                          | 0.1                 | 0.7         | 1.5         | 1.8          | 1.0          | 0.5          | 0.1          |
|     | <b>C – Malignant neoplasms</b>   | <b>229,331</b>   | <b>50.3 (50.4)</b>                 | <b>3.2</b>          | <b>8.7</b>  | <b>17.3</b> | <b>33.2</b>  | <b>67.8</b>  | <b>120.2</b> | <b>155.8</b> |
| 3   | Malignant neoplasms of other and unspecified localisations   | 20,557           | 4.5 (4.6)                          | 0.5                 | 1.1         | 2.1         | 3.9          | 7.2          | 9.5          | 10.1         |
| 4   | Malignant neoplasms of digestive organs  | 4,839            | 1.1 (1.1)                          | 0.0                 | 0.1         | 0.2         | 0.5          | 1.6          | 2.9          | 3.4          |
| 5   | Malignant neoplasm of colon  | 18,826           | 4.1 (4.1)                          | 0.1                 | 0.1         | 0.4         | 1.4          | 4.3          | 10.2         | 20.3         |
| 6   | Malignant neoplasms of rectosigmoid junction, rectum, anus and anal canal  | 10,680           | 2.3 (2.3)                          | 0.0                 | 0.1         | 0.2         | 1.0          | 3.0          | 6.4          | 9.5          |
| 7   | Malignant neoplasm of bronchus and lung  | 14,762           | 3.2 (3.3)                          | 0.0                 | 0.1         | 0.4         | 1.7          | 4.8          | 9.1          | 10.6         |
| 8   | Malignant melanoma of skin   | 19,636           | 4.3 (4.3)                          | 0.5                 | 1.9         | 3.4         | 4.1          | 5.4          | 8.1          | 9.0          |
| 9   | Other malignant neoplasms of skin  | 15,597           | 3.4 (3.4)                          | 0.0                 | 0.2         | 0.6         | 1.5          | 3.4          | 7.9          | 16.7         |
| 10  | Malignant neoplasm of breast   | 50,687           | 11.1 (11.1)                        | 0.0                 | 0.4         | 2.2         | 8.4          | 19.0         | 28.4         | 29.5         |
| 11  | Malignant neoplasms of female genital organs   | 7,245            | 1.6 (1.6)                          | 0.1                 | 0.2         | 0.7         | 1.6          | 2.5          | 3.2          | 3.9          |
| 12  | Malignant neoplasm of cervix uteri, corpus uteri and part unspecified  | 11,608           | 2.5 (2.5)                          | 0.0                 | 0.5         | 1.4         | 2.0          | 3.6          | 5.4          | 7.1          |
| 13  | Malignant tumour of male genitalia   | 5,194            | 1.1 (1.1)                          | 0.2                 | 1.1         | 2.1         | 1.7          | 0.9          | 0.8          | 0.7          |
| 14  | Malignant neoplasm of prostate   | 26,697           | 5.9 (5.9)                          | 0.0                 | 0.0         | 0.0         | 0.5          | 5.2          | 19.7         | 27.0         |
| 15  | Malignant neoplasms of urinary tract   | 10,319           | 2.3 (2.3)                          | 0.1                 | 0.1         | 0.3         | 0.8          | 2.6          | 6.0          | 9.9          |
| 16  | Brain cancer <sup>c</sup>  | 15,310           | 3.4 (3.4)                          | 0.7                 | 1.4         | 2.0         | 3.1          | 4.9          | 6.8          | 6.2          |
| 17  | Malignant neoplasms of ill-defined, secondary and unspecified sites, and of independent (primary) multiple sites   | 25,619           | 5.6 (5.6)                          | 0.3                 | 1.0         | 2.0         | 4.2          | 8.9          | 13.5         | 14.0         |
| 18  | Malignant neoplasms, stated or presumed to be primary, of lymphoid, haematopoietic and related tissue  | 19,712           | 4.3 (4.3)                          | 1.0                 | 1.6         | 1.8         | 2.8          | 5.3          | 9.6          | 12.4         |
|     | <b>D – In situ and benign neoplasms, and neoplasms of uncertain or unknown behaviour and diseases of the blood and blood-forming organs and certain disorders involving the immune mechanism</b> | <b>116,560</b>   | <b>25.6 (25.7)</b>                 | <b>5.5</b>          | <b>13.7</b> | <b>19.2</b> | <b>21.5</b>  | <b>25.6</b>  | <b>36.9</b>  | <b>80.1</b>  |
| 19  | In situ neoplasms  | 19,810           | 4.3 (4.4)                          | 0.2                 | 2.6         | 4.3         | 4.1          | 5.5          | 7.3          | 7.9          |
| 20  | Haemolytic anaemias  | 3,055            | 0.7 (0.7)                          | 0.4                 | 0.8         | 0.8         | 0.6          | 0.5          | 0.7          | 1.2          |
| 21  | Aplastic and other anaemias  | 14,918           | 3.3 (3.3)                          | 0.3                 | 0.9         | 1.4         | 2.1          | 2.9          | 5.5          | 15.0         |
| 22  | Other anaemias   | 46,613           | 10.2 (10.3)                        | 1.0                 | 2.1         | 3.5         | 6.3          | 8.3          | 16.1         | 53.1         |
| 23  | Coagulation defects, purpura and other haemorrhagic conditions   | 25,376           | 5.6 (5.6)                          | 2.9                 | 5.7         | 6.5         | 5.8          | 5.7          | 5.7          | 7.1          |
| 24  | Other diseases of blood and blood-forming organs   | 8,896            | 2.0 (2.0)                          | 0.4                 | 0.9         | 1.5         | 2.0          | 2.6          | 3.4          | 3.6          |
| 25  | Certain disorders involving the immune mechanism   | 7,660            | 1.7 (1.7)                          | 0.5                 | 1.4         | 2.2         | 2.1          | 2.1          | 1.9          | 1.3          |
|     | <b>E – Endocrine, nutritional and metabolic diseases</b>   | <b>877,433</b>   | <b>192.6 (192.7)</b>               | <b>16.6</b>         | <b>37.8</b> | <b>71.2</b> | <b>147.0</b> | <b>294.0</b> | <b>441.6</b> | <b>501.4</b> |
| 26  | Diseases of the thyroid <sup>c</sup>   | 131,908          | 29.0 (29.0)                        | 3.7                 | 10.0        | 18.9        | 29.4         | 41.7         | 49.1         | 66.2         |
| 27  | Thyrotoxicosis <sup>c</sup>  | 41,374           | 9.1 (9.0)                          | 1.0                 | 3.9         | 6.2         | 7.8          | 11.1         | 14.6         | 26.7         |
| 28  | Diabetes type 1 <sup>c</sup>   | 23,062           | 5.1 (5.1)                          | 4.2                 | 4.6         | 5.7         | 6.1          | 5.7          | 4.6          | 3.5          |
| 29  | Diabetes type 2 <sup>c</sup>   | 242,177          | 53.2 (53.3)                        | 0.5                 | 5.4         | 18.0        | 37.8         | 80.3         | 129.4        | 152.1        |
| 30  | Diabetes others <sup>c</sup>   | 1,117            | 0.2 (0.2)                          | 0.1                 | 0.2         | 0.2         | 0.2          | 0.3          | 0.4          | 0.5          |



|    |  |                |                      |             |             |              |              |              |              |              |
|----|--|----------------|----------------------|-------------|-------------|--------------|--------------|--------------|--------------|--------------|
| 31 | Disorders of other endocrine glands  | 28,650         | 6.3 (6.4)            | 5.0         | 8.3         | 6.1          | 4.6          | 5.6          | 7.0          | 8.9          |
| 32 | Metabolic disorders  | 23,690         | 5.2 (5.2)            | 2.0         | 4.0         | 5.0          | 5.2          | 6.1          | 7.2          | 8.2          |
| 33 | Disturbances in lipoprotein circulation and other lipids <sup>c</sup>  | 652,242        | 143.2 (143.1)        | 1.1         | 5.9         | 25.9         | 94.3         | 233.4        | 378.1        | 408.1        |
| 34 | Cystic fibrosis <sup>c</sup>   | 947            | 0.2 (0.2)            | 0.2         | 0.3         | 0.3          | 0.1          | 0.1          | 0.1          | 0.1          |
|    | <b>G – Diseases of the nervous system</b>  | <b>561,054</b> | <b>123.2 (123.5)</b> | <b>29.6</b> | <b>67.1</b> | <b>108.6</b> | <b>146.5</b> | <b>173.0</b> | <b>170.8</b> | <b>188.6</b> |
| 35 | Inflammatory diseases of the central nervous system  | 7,642          | 1.7 (1.7)            | 0.5         | 1.3         | 1.8          | 1.9          | 1.9          | 2.3          | 2.2          |
| 36 | Systemic atrophies primarily affecting the central nervous system and other degenerative diseases  | 10,401         | 2.3 (2.3)            | 0.2         | 0.5         | 0.6          | 1.0          | 2.0          | 4.0          | 12.1         |
| 37 | Parkinson's disease <sup>c</sup>   | 57,583         | 12.6 (12.6)          | 0.9         | 3.7         | 7.2          | 11.3         | 16.1         | 23.2         | 37.3         |
| 38 | Extrapyramidal and movement disorders  | 10,837         | 2.4 (2.4)            | 0.6         | 1.1         | 1.5          | 2.0          | 2.9          | 4.1          | 6.4          |
| 39 | Sclerosis  | 13,284         | 2.9 (2.9)            | 0.3         | 1.7         | 3.5          | 4.5          | 4.6          | 3.3          | 1.5          |
| 40 | Demyelinating diseases of the central nervous system   | 4,571          | 1.0 (1.0)            | 0.2         | 0.9         | 1.4          | 1.5          | 1.3          | 0.8          | 0.4          |
| 41 | Epilepsy <sup>c</sup>  | 61,695         | 13.5 (13.6)          | 6.9         | 9.9         | 12.0         | 14.6         | 16.3         | 17.5         | 20.3         |
| 42 | Migraine <sup>c</sup>  | 149,866        | 32.9 (33.0)          | 10.5        | 23.9        | 38.2         | 49.4         | 49.3         | 30.9         | 15.6         |
| 43 | Other headache syndromes   | 16,469         | 3.6 (3.6)            | 2.6         | 4.0         | 5.1          | 4.8          | 3.4          | 2.3          | 1.8          |
| 44 | Transient cerebral ischaemic attacks and related syndromes and vascular syndromes of brain in cerebrovascular diseases   | 43,977         | 9.7 (9.7)            | 0.2         | 0.7         | 2.3          | 5.6          | 12.4         | 22.5         | 37.6         |
| 45 | Sleep disorders  | 36,806         | 8.1 (8.1)            | 1.4         | 3.6         | 6.8          | 11.3         | 14.3         | 12.3         | 5.0          |
| 46 | Disorders of trigeminal nerve and facial nerve disorders   | 21,488         | 4.7 (4.7)            | 1.0         | 2.8         | 4.5          | 5.4          | 6.1          | 6.8          | 7.4          |
| 47 | Disorders of other cranial nerves, cranial nerve disorders in diseases classified elsewhere, nerve root and plexus disorders and nerve root and plexus compressions in diseases classified elsewhere | 12,429         | 2.7 (2.7)            | 0.3         | 1.0         | 2.4          | 3.6          | 4.3          | 4.2          | 3.6          |
| 48 | Mononeuropathies of upper limb   | 122,395        | 26.9 (26.9)          | 1.7         | 10.6        | 23.6         | 35.4         | 44.4         | 37.7         | 36.5         |
| 49 | Mononeuropathies of lower limb, other mononeuropathies and mononeuropathy in diseases classified elsewhere   | 18,627         | 4.1 (4.1)            | 0.4         | 1.6         | 3.4          | 5.3          | 6.5          | 6.6          | 5.0          |
| 50 | Polyneuropathies and other disorders of the peripheral nervous system  | 30,289         | 6.6 (6.7)            | 0.5         | 1.4         | 3.0          | 5.5          | 9.9          | 13.5         | 18.2         |
| 51 | Diseases of myoneural junction and muscle  | 5,758          | 1.3 (1.3)            | 0.6         | 0.9         | 1.2          | 1.4          | 1.6          | 1.7          | 1.6          |
| 52 | Cerebral palsy and other paralytic syndromes   | 14,410         | 3.2 (3.2)            | 2.4         | 3.1         | 3.0          | 3.5          | 3.5          | 3.4          | 3.2          |
| 53 | Other disorders of the nervous system  | 44,394         | 9.7 (9.8)            | 3.4         | 5.9         | 8.2          | 9.9          | 12.0         | 15.1         | 17.0         |
|    | <b>H – Diseases of the eye and adnexa and diseases of the ear and mastoid process</b>  | <b>448,176</b> | <b>98.4 (98.6)</b>   | <b>13.1</b> | <b>24.0</b> | <b>37.6</b>  | <b>58.1</b>  | <b>104.6</b> | <b>195.6</b> | <b>394.4</b> |
| 54 | Disorders of eyelid, lacrimal system and orbit   | 13,191         | 2.9 (2.9)            | 0.4         | 0.6         | 1.6          | 3.0          | 3.8          | 5.4          | 7.5          |
| 55 | Corneal scars and opacities  | 2,173          | 0.5 (0.5)            | 0.1         | 0.3         | 0.3          | 0.4          | 0.5          | 0.7          | 1.3          |
| 56 | Other disorders of cornea  | 9,473          | 2.1 (2.1)            | 0.4         | 1.0         | 1.5          | 1.5          | 2.0          | 3.3          | 7.4          |
| 57 | Diseases of the eye lens (cataracts)   | 68,009         | 14.9 (15.1)          | 0.2         | 0.4         | 0.8          | 3.1          | 11.1         | 37.6         | 84.8         |
| 58 | Disorders of the choroid and retina  | 1,900          | 0.4 (0.4)            | 0.1         | 0.2         | 0.3          | 0.4          | 0.5          | 0.6          | 1.1          |
| 59 | Retinal vascular occlusions  | 10,358         | 2.3 (2.3)            | 0.0         | 0.1         | 0.3          | 0.9          | 2.3          | 5.1          | 11.4         |
| 60 | Other retinal disorders  | 68,485         | 15.0 (15.1)          | 0.4         | 1.2         | 3.0          | 5.3          | 10.5         | 26.2         | 93.7         |
| 61 | Retinal disorders in diseases classified elsewhere   | 19,279         | 4.2 (4.3)            | 0.6         | 1.7         | 2.7          | 3.9          | 6.5          | 8.6          | 7.4          |
| 62 | Glaucoma <sup>c</sup>  | 67,310         | 14.8 (14.9)          | 0.5         | 0.9         | 2.1          | 5.3          | 14.2         | 33.1         | 76.4         |
| 63 | Disorders of the vitreous body and globe   | 7,572          | 1.7 (1.7)            | 0.3         | 0.7         | 0.9          | 1.2          | 2.7          | 3.5          | 3.1          |
| 64 | Disorders of optic nerve and visual pathways   | 6,184          | 1.4 (1.4)            | 0.6         | 1.2         | 1.6          | 1.7          | 1.6          | 1.4          | 1.4          |
| 65 | Disorders of ocular muscles, binocular movement, accommodation and refraction  | 18,247         | 4.0 (4.0)            | 2.6         | 4.8         | 5.5          | 5.1          | 3.4          | 2.9          | 2.8          |
| 66 | Visual disturbances  | 22,232         | 4.9 (4.9)            | 1.2         | 3.0         | 3.5          | 4.4          | 6.1          | 7.7          | 11.1         |
| 67 | Blindness and partial sight  | 6,614          | 1.5 (1.5)            | 0.4         | 0.6         | 0.8          | 1.1          | 1.5          | 1.9          | 5.6          |
| 68 | Nystagmus and other irregular eye movements and other disorders of eye and adnexa  | 11,133         | 2.4 (2.5)            | 1.1         | 1.7         | 2.1          | 2.6          | 2.9          | 3.5          | 3.7          |
| 69 | Otosclerosis   | 10,360         | 2.3 (2.3)            | 0.3         | 0.5         | 1.4          | 2.2          | 3.2          | 4.4          | 5.4          |
| 70 | Ménière's disease <sup>c</sup>   | 10,003         | 2.2 (2.2)            | 0.1         | 0.2         | 0.8          | 1.7          | 3.1          | 4.5          | 7.3          |
| 71 | Other diseases of the inner ear  | 29,865         | 6.6 (6.3)            | 0.1         | 0.4         | 1.1          | 3.0          | 8.5          | 17.6         | 24.5         |
| 72 | Conductive and sensorineural hearing loss  | 43,238         | 9.5 (9.6)            | 3.2         | 3.5         | 4.4          | 6.2          | 11.0         | 18.4         | 29.5         |
| 73 | Other hearing loss and other disorders of ear, not classified elsewhere  | 8,306          | 1.8 (1.8)            | 0.4         | 0.6         | 1.0          | 1.5          | 2.3          | 3.2          | 5.2          |
| 74 | Presbycusis (age-related hearing loss)   | 80,659         | 17.7 (17.6)          | 0.2         | 0.3         | 0.6          | 1.4          | 4.9          | 26.2         | 147.4        |

|       |  |                  |                      |              |              |              |              |              |              |              |
|-------|--|------------------|----------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| 75    | Hearing loss, unspecified  | 87,806           | 19.3 (19.3)          | 1.9          | 2.5          | 4.5          | 9.6          | 23.2         | 46.3         | 74.5         |
| 76    | Tinnitus   | 40,124           | 8.8 (8.7)            | 0.5          | 1.9          | 4.7          | 8.5          | 14.7         | 18.3         | 17.5         |
| 77    | Other specified disorders of ear   | 20,537           | 4.5 (4.4)            | 0.5          | 0.6          | 1.2          | 2.4          | 5.7          | 11.0         | 16.1         |
|       | <b>I – Diseases of the circulatory system</b>  | <b>1,254,427</b> | <b>275.4 (275.5)</b> | <b>20.6</b>  | <b>66.3</b>  | <b>124.2</b> | <b>231.6</b> | <b>398.8</b> | <b>563.6</b> | <b>753.9</b> |
| 78    | Aortic and mitral valve disease <sup>c</sup>   | 30,123           | 6.6 (6.6)            | 0.4          | 0.6          | 1.0          | 2.2          | 5.4          | 13.3         | 37.7         |
| 79    | Hypertensive diseases <sup>c</sup>   | 1,060,046        | 232.7 (232.7)        | 6.5          | 33.0         | 79.5         | 183.3        | 348.3        | 509.5        | 695.8        |
| 80    | Heart failure <sup>c</sup>   | 37,540           | 8.2 (8.3)            | 0.2          | 0.5          | 1.3          | 3.4          | 9.1          | 18.1         | 40.3         |
| 80A   | Ischaemic heart diseases   | 139,173          | 30.6 (30.7)          | 0.3          | 1.1          | 5.7          | 19.3         | 42.5         | 71.4         | 114.5        |
| 81    | Angina pectoris  | 78,476           | 17.2 (17.3)          | 0.2          | 0.7          | 3.7          | 12.6         | 26.8         | 41.9         | 53.0         |
| 82    | Acute myocardial infarction and subsequent myocardial infarction   | 36,654           | 8.0 (8.1)            | 0.1          | 0.3          | 1.6          | 5.8          | 11.5         | 17.7         | 29.8         |
| 83    | AMI complex/other  | 2,969            | 0.7 (0.7)            | 0.0          | 0.1          | 0.2          | 0.5          | 0.9          | 1.3          | 2.3          |
| 84    | Chronic ischaemic heart disease  | 84,592           | 18.6 (18.6)          | 0.1          | 0.3          | 2.0          | 8.8          | 23.2         | 44.8         | 81.4         |
| 85    | Pulmonary heart disease and diseases of pulmonary circulation  | 15,352           | 3.4 (3.4)            | 0.5          | 1.0          | 1.4          | 2.0          | 3.5          | 6.6          | 13.0         |
| 86    | Acute pericarditis   | 5,563            | 1.2 (1.2)            | 0.5          | 1.1          | 1.3          | 1.3          | 1.5          | 1.5          | 1.3          |
| 87    | Other forms of heart disease   | 8,119            | 1.8 (1.8)            | 0.4          | 0.8          | 1.0          | 1.3          | 2.0          | 3.3          | 5.4          |
| 88    | Atrioventricular and left bundle branch block  | 14,604           | 3.2 (3.2)            | 0.2          | 0.4          | 0.6          | 0.9          | 2.1          | 5.8          | 20.0         |
| 89    | Other conduction disorders   | 11,823           | 2.6 (2.6)            | 0.6          | 1.1          | 1.2          | 1.8          | 2.7          | 4.4          | 9.5          |
| 90    | Paroxysmal tachycardia   | 39,510           | 8.7 (8.7)            | 1.9          | 3.4          | 4.5          | 6.4          | 11.0         | 17.0         | 23.9         |
| 91    | Atrial fibrillation and flutter  | 112,342          | 24.7 (24.7)          | 0.4          | 1.3          | 3.1          | 7.7          | 22.9         | 55.9         | 132.0        |
| 92    | Other cardiac arrhythmias  | 34,418           | 7.6 (7.6)            | 0.8          | 2.0          | 3.5          | 5.1          | 8.4          | 14.0         | 28.8         |
| 93    | Complications and ill-defined descriptions of heart disease and other heart disorders in diseases classified elsewhere   | 7,337            | 1.6 (1.6)            | 0.3          | 0.6          | 0.7          | 1.0          | 1.8          | 3.0          | 5.7          |
| 94    | Stroke   | 72,606           | 15.9 (16.0)          | 0.3          | 1.1          | 3.1          | 8.8          | 19.3         | 35.3         | 68.7         |
| 95    | Cerebrovascular diseases   | 17,308           | 3.8 (3.8)            | 0.3          | 0.7          | 1.3          | 2.4          | 4.9          | 8.3          | 13.3         |
| 96    | Sequelae of cerebrovascular disease  | 50,952           | 11.2 (11.2)          | 0.2          | 0.6          | 1.6          | 5.0          | 11.9         | 24.2         | 55.9         |
| 97    | Atherosclerosis  | 32,064           | 7.0 (7.0)            | 0.1          | 0.2          | 0.7          | 2.4          | 7.5          | 17.3         | 34.2         |
| 98    | Aortic aneurysm and aortic dissection  | 10,296           | 2.3 (2.3)            | 0.0          | 0.1          | 0.2          | 0.6          | 1.9          | 6.3          | 11.2         |
| 99    | Diseases of arteries, arterioles and capillaries   | 11,830           | 2.6 (2.6)            | 0.4          | 0.9          | 1.7          | 2.5          | 3.4          | 4.7          | 6.2          |
| 100   | Other peripheral vascular diseases   | 28,508           | 6.3 (6.3)            | 0.3          | 0.5          | 1.1          | 2.9          | 7.6          | 16.3         | 24.4         |
| 101   | Phlebitis, thrombosis of the portal vein and others  | 37,388           | 8.2 (8.3)            | 1.3          | 3.2          | 5.5          | 7.5          | 9.8          | 14.1         | 22.2         |
| 102   | Varicose veins of lower extremities  | 23,530           | 5.2 (5.2)            | 0.5          | 2.6          | 6.0          | 6.4          | 6.7          | 7.6          | 6.6          |
| 103   | Haemorrhoids <sup>c</sup>  | 74,285           | 16.3 (16.3)          | 5.1          | 17.4         | 20.1         | 18.6         | 16.8         | 16.9         | 19.0         |
| 104   | Oesophageal varices (chronic), varicose veins of other sites, other disorders of veins, non-specific lymphadenitis, other non-infective disorders of lymphatic vessels and lymph nodes and other and unspecified disorders of the circulatory system | 15,194           | 3.3 (3.3)            | 1.7          | 2.2          | 2.6          | 3.1          | 4.1          | 4.9          | 6.1          |
|       | <b>J – Diseases of the respiratory system</b>  | <b>1,210,598</b> | <b>265.7 (266.3)</b> | <b>139.1</b> | <b>218.4</b> | <b>261.3</b> | <b>279.4</b> | <b>296.4</b> | <b>327.8</b> | <b>381.9</b> |
| 105   | Respiratory allergy <sup>c</sup>   | 841,685          | 184.8 (185.2)        | 96.2         | 162.8        | 195.7        | 196.6        | 202.7        | 216.7        | 240.3        |
| 105 A | Chronic lower respiratory diseases <sup>c</sup>  | 418,120          | 91.8 (92.0)          | 17.3         | 66.5         | 84.8         | 104.5        | 111.0        | 125.9        | 156.3        |
| 106   | Bronchitis, not specified as acute or chronic, simple and mucopurulent chronic bronchitis and unspecified chronic bronchitis   | 12,790           | 2.8 (2.8)            | 0.1          | 0.3          | 0.7          | 1.6          | 3.5          | 6.2          | 11.3         |
| 107   | Emphysema  | 5,557            | 1.2 (1.2)            | 0.0          | 0.2          | 0.4          | 0.9          | 1.8          | 2.8          | 3.7          |
| 108   | Chronic obstructive lung disease (COPD) <sup>c</sup>   | 216,184          | 47.5 (47.6)          | 14.5         | 15.8         | 21.8         | 35.6         | 61.5         | 93.3         | 131.4        |
| 109   | Asthma, status asthmaticus <sup>c</sup>  | 361,129          | 79.3 (79.4)          | 54.3         | 62.7         | 73.8         | 77.6         | 86.4         | 98.9         | 118.4        |
| 110   | Bronchiectasis   | 4,362            | 1.0 (1.0)            | 0.1          | 0.2          | 0.5          | 0.7          | 1.5          | 2.2          | 2.2          |
| 111   | Other diseases of the respiratory system   | 21,993           | 4.8 (4.9)            | 0.7          | 1.5          | 2.2          | 3.5          | 6.0          | 10.0         | 14.6         |
|       | <b>K – Diseases of the digestive system</b>  | <b>329,337</b>   | <b>72.3 (72.6)</b>   | <b>23.7</b>  | <b>44.1</b>  | <b>53.8</b>  | <b>68.0</b>  | <b>87.5</b>  | <b>109.7</b> | <b>157.4</b> |
| 112   | Ulcers <sup>c</sup>  | 157,379          | 34.5 (34.8)          | 8.7          | 14.9         | 21.4         | 30.8         | 42.8         | 57.4         | 91.9         |
| 113   | Inguinal hernia  | 25,032           | 5.5 (5.5)            | 1.0          | 1.9          | 3.3          | 5.2          | 7.7          | 11.0         | 11.5         |
| 114   | Ventral hernia   | 7,941            | 1.7 (1.7)            | 0.2          | 0.6          | 1.3          | 1.9          | 2.4          | 3.3          | 3.3          |
| 115   | Crohn's disease  | 18,913           | 4.2 (4.2)            | 2.5          | 5.0          | 5.5          | 4.6          | 4.0          | 3.5          | 3.4          |
| 116   | Ulcerative colitis   | 29,538           | 6.5 (6.5)            | 2.5          | 6.3          | 7.2          | 7.3          | 7.2          | 7.0          | 8.2          |

|          |  |                  |                      |             |              |              |              |              |              |              |
|----------|--|------------------|----------------------|-------------|--------------|--------------|--------------|--------------|--------------|--------------|
| 117      | Other non-infective gastroenteritis and colitis                            | 20,844           | 4.6 (4.6)            | 1.9         | 2.9          | 2.7          | 3.3          | 4.9          | 7.3          | 12.8         |
| 118      | Irritable bowel syndrome (IBS)   | 37,593           | 8.3 (8.3)            | 4.1         | 9.8          | 8.5          | 8.8          | 9.0          | 9.2          | 8.4          |
| 119      | Other functional intestinal disorders                                      | 51,933           | 11.4 (11.5)          | 5.0         | 7.0          | 7.4          | 8.7          | 11.6         | 16.3         | 34.1         |
| 120      | Diseases of liver, biliary tract and pancreas                              | 26,956           | 5.9 (6.0)            | 0.9         | 2.3          | 3.8          | 6.7          | 10.0         | 10.4         | 8.5          |
|          | <b>L – Diseases of the skin and subcutaneous tissue</b>                    | <b>65,469</b>    | <b>14.4 (14.5)</b>   | <b>3.4</b>  | <b>7.8</b>   | <b>12.0</b>  | <b>15.5</b>  | <b>20.4</b>  | <b>23.0</b>  | <b>21.7</b>  |
| 121      | Psoriasis <sup>c</sup>   | 65,469           | 14.4 (14.5)          | 3.4         | 7.8          | 12.0         | 15.5         | 20.4         | 23.0         | 21.7         |
|          | <b>M – Diseases of the musculoskeletal system and connective tissue</b>    | <b>1,032,808</b> | <b>226.7 (227.1)</b> | <b>73.2</b> | <b>107.4</b> | <b>152.2</b> | <b>217.7</b> | <b>303.2</b> | <b>376.4</b> | <b>470.5</b> |
| 122      | Infectious arthropathies   | 9,402            | 2.1 (2.1)            | 0.7         | 2.0          | 2.6          | 2.5          | 2.2          | 2.2          | 2.1          |
| 122<br>A | Inflammatory polyarthropathies and ankylosing spondylitis <sup>c</sup>     | 165,944          | 36.4 (36.5)          | 4.2         | 11.0         | 21.5         | 33.8         | 52.5         | 70.2         | 84.9         |
| 123      | Rheumatoid arthritis <sup>c</sup>  | 77,345           | 17.0 (17.0)          | 2.9         | 7.0          | 13.4         | 17.8         | 24.3         | 29.0         | 30.5         |
| 124      | Inflammatory polyarthropathies – except rheumatoid arthritis <sup>c</sup>  | 115,945          | 25.5 (25.5)          | 2.2         | 7.4          | 13.2         | 22.8         | 37.0         | 50.6         | 63.3         |
| 125      | Polyarthrosis [arthrosis]  | 16,935           | 3.7 (3.7)            | 0.0         | 0.1          | 0.5          | 1.7          | 6.2          | 9.6          | 12.6         |
| 126      | Coxarthrosis [arthrosis of hip]  | 104,115          | 22.9 (22.7)          | 0.5         | 1.6          | 3.7          | 9.2          | 23.8         | 54.3         | 108.1        |
| 127      | Gonarthrosis [arthrosis of knee]   | 178,811          | 39.3 (39.4)          | 0.5         | 2.7          | 10.8         | 32.2         | 62.3         | 89.8         | 113.5        |
| 128      | Arthrosis of first carpometacarpal joint and other arthrosis               | 91,101           | 20.0 (20.1)          | 0.7         | 3.0          | 8.1          | 18.3         | 35.1         | 43.4         | 43.4         |
| 129      | Acquired deformities of fingers and toes                                   | 55,730           | 12.2 (12.3)          | 3.0         | 5.3          | 7.8          | 12.4         | 19.7         | 23.3         | 17.1         |
| 130      | Other acquired deformities of limbs  | 20,584           | 4.5 (4.5)            | 2.3         | 2.7          | 3.2          | 4.6          | 6.3          | 6.9          | 6.9          |
| 131      | Disorders of patella (knee cap)  | 38,999           | 8.6 (8.6)            | 13.9        | 16.1         | 11.6         | 8.3          | 4.1          | 1.7          | 0.6          |
| 132      | Internal derangement of knee   | 9,192            | 2.0 (2.0)            | 2.9         | 3.0          | 2.6          | 2.3          | 1.3          | 0.8          | 0.4          |
| 133      | Derangement of meniscus due to old tear or injury                          | 36,374           | 8.0 (8.0)            | 5.4         | 6.0          | 8.8          | 12.1         | 10.9         | 6.8          | 2.5          |
| 134      | Internal derangement of knee, unspecified                                  | 28,206           | 6.2 (6.2)            | 6.9         | 6.4          | 7.2          | 8.0          | 6.2          | 4.0          | 2.3          |
| 135      | Other specific joint derangements  | 5,923            | 1.3 (1.3)            | 2.2         | 2.1          | 1.4          | 1.1          | 0.8          | 0.6          | 0.5          |
| 136      | Other joint disorders not classified elsewhere                             | 12,043           | 2.6 (2.7)            | 1.8         | 2.2          | 2.9          | 3.6          | 3.2          | 2.2          | 1.9          |
| 137      | Systemic connective tissue disorders                                       | 42,631           | 9.4 (9.4)            | 1.8         | 4.4          | 6.2          | 7.2          | 8.9          | 15.0         | 32.3         |
| 138      | Systemic lupus erythematosus   | 3,376            | 0.7 (0.7)            | 0.2         | 0.5          | 0.8          | 0.9          | 1.1          | 1.0          | 0.7          |
| 139      | Dermatopolymyositis  | 1,137            | 0.2 (0.2)            | 0.0         | 0.1          | 0.2          | 0.2          | 0.4          | 0.5          | 0.4          |
| 140      | Systemic sclerosis   | 1,675            | 0.4 (0.4)            | 0.0         | 0.1          | 0.2          | 0.4          | 0.6          | 0.8          | 0.5          |
| 141      | Kyphosis, lordosis   | 4,160            | 0.9 (0.9)            | 0.4         | 0.6          | 1.1          | 1.2          | 1.2          | 1.0          | 0.7          |
| 142      | Scoliosis  | 17,686           | 3.9 (3.9)            | 6.7         | 5.3          | 3.2          | 2.5          | 2.7          | 3.0          | 4.3          |
| 143      | Spinal osteochondrosis   | 8,034            | 1.8 (1.8)            | 0.6         | 1.4          | 2.1          | 2.5          | 2.4          | 1.7          | 1.0          |
| 144      | Other deforming dorsopathies   | 23,756           | 5.2 (5.3)            | 0.7         | 1.8          | 3.8          | 5.9          | 7.6          | 8.9          | 9.9          |
| 145      | Other inflammatory spondylopathies   | 7,086            | 1.6 (1.6)            | 0.3         | 1.1          | 1.8          | 2.0          | 1.9          | 1.9          | 2.0          |
| 146      | Spondylosis  | 61,999           | 13.6 (13.6)          | 0.2         | 1.2          | 5.4          | 14.4         | 24.0         | 27.0         | 31.4         |
| 147      | Other spondylopathies and spondylopathies in diseases classified elsewhere | 50,805           | 11.2 (11.2)          | 0.1         | 0.7          | 2.4          | 6.2          | 14.9         | 26.0         | 43.7         |
| 148      | Cervical disc disorders  | 11,476           | 2.5 (2.5)            | 0.1         | 0.9          | 3.2          | 5.1          | 3.9          | 1.9          | 1.2          |
| 149      | Other intervertebral disc disorders  | 40,161           | 8.8 (8.9)            | 1.4         | 5.8          | 11.3         | 12.8         | 11.4         | 9.6          | 7.6          |
| 150      | Other dorsopathies not classified elsewhere                                | 7,246            | 1.6 (1.6)            | 0.6         | 1.3          | 2.1          | 2.2          | 1.9          | 1.4          | 1.2          |
| 151      | Dorsalgia  | 40,780           | 9.0 (9.0)            | 3.5         | 7.2          | 10.7         | 11.6         | 9.6          | 8.3          | 11.9         |
| 152      | Soft tissue disorders  | 13,422           | 2.9 (3.0)            | 2.5         | 3.5          | 3.6          | 3.4          | 2.5          | 2.2          | 2.4          |
| 153      | Synovitis and tenosynovitis  | 19,104           | 4.2 (4.2)            | 2.6         | 3.1          | 3.6          | 4.8          | 6.4          | 4.9          | 3.8          |
| 154      | Disorders of synovium and tendon   | 19,669           | 4.3 (4.3)            | 4.7         | 4.5          | 4.9          | 5.1          | 4.3          | 3.3          | 2.1          |
| 155      | Soft tissue disorders related to use, overuse and pressure                 | 11,090           | 2.4 (2.4)            | 1.3         | 1.5          | 2.1          | 2.8          | 3.0          | 3.4          | 3.4          |
| 156      | Fibroblastic disorders   | 43,600           | 9.6 (9.6)            | 0.5         | 1.5          | 4.5          | 8.7          | 14.1         | 21.8         | 22.6         |
| 157      | Shoulder lesions   | 58,112           | 12.8 (12.7)          | 3.3         | 6.0          | 11.6         | 20.5         | 20.7         | 15.0         | 8.6          |
| 158      | Enthesopathies of lower limb, excluding foot                               | 11,223           | 2.5 (2.5)            | 2.4         | 2.5          | 3.0          | 3.3          | 2.5          | 1.6          | 0.9          |
| 159      | Other enthesopathies   | 10,500           | 2.3 (2.3)            | 0.9         | 1.6          | 3.1          | 4.1          | 2.8          | 1.6          | 1.0          |
| 160      | Rheumatism, unspecified  | 6,852            | 1.5 (1.5)            | 0.1         | 0.5          | 1.4          | 2.4          | 2.7          | 1.8          | 1.2          |
| 161      | Myalgia  | 10,168           | 2.2 (2.2)            | 0.4         | 1.3          | 2.3          | 3.1          | 3.1          | 2.5          | 3.0          |
| 162      | Other soft tissue disorders not classified elsewhere                       | 7,939            | 1.7 (1.7)            | 0.6         | 1.7          | 2.0          | 2.1          | 2.2          | 1.9          | 1.7          |
| 163      | Other soft tissue disorders not classified elsewhere: pain in limb         | 22,201           | 4.9 (4.9)            | 3.4         | 3.5          | 4.7          | 5.7          | 5.4          | 5.2          | 6.7          |
| 164      | Fibromyalgia   | 3,399            | 0.7 (0.7)            | 0.1         | 0.5          | 1.0          | 1.4          | 1.1          | 0.5          | 0.3          |

|     |   |                  |                      |                  |                  |                  |                  |                  |                  |                  |
|-----|---|------------------|----------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| 165 | Osteoporosis <sup>c</sup>   | 158,813          | 34.9 (34.8)          | 0.1              | 0.4              | 1.3              | 8.4              | 45.0             | 89.2             | 163.6            |
| 166 | Osteoporosis in diseases classified elsewhere   | 1,007            | 0.2 (0.2)            | 0.0              | 0.1              | 0.1              | 0.2              | 0.3              | 0.5              | 0.7              |
| 167 | Adult osteomalacia and other disorders of bone density and structure  | 43,271           | 9.5 (9.5)            | 0.7              | 1.8              | 3.0              | 6.9              | 16.7             | 21.9             | 22.7             |
| 168 | Disorders of continuity of bone   | 1,865            | 0.4 (0.4)            | 0.4              | 0.3              | 0.3              | 0.4              | 0.5              | 0.5              | 0.5              |
| 169 | Other osteopathies  | 24,251           | 5.3 (5.3)            | 1.0              | 2.1              | 3.2              | 4.7              | 7.2              | 9.9              | 12.4             |
| 170 | Other disorders of the musculoskeletal system and connective tissue   | 30,038           | 6.6 (6.6)            | 2.8              | 6.0              | 7.1              | 7.5              | 7.4              | 7.4              | 8.2              |
|     | <b>N – Diseases of the genitourinary system</b>   | <b>20,162</b>    | <b>4.4 (4.5)</b>     | <b>0.5</b>       | <b>0.9</b>       | <b>1.5</b>       | <b>2.5</b>       | <b>4.3</b>       | <b>8.3</b>       | <b>20.0</b>      |
| 171 | Chronic renal failure (CRF) <sup>c</sup>  | 20,162           | 4.4 (4.5)            | 0.5              | 0.9              | 1.5              | 2.5              | 4.3              | 8.3              | 20.0             |
|     | <b>Q – Congenital malformations, deformations and chromosomal abnormalities</b>   | <b>124,898</b>   | <b>27.4 (27.5)</b>   | <b>24.2</b>      | <b>38.9</b>      | <b>38.0</b>      | <b>27.1</b>      | <b>21.6</b>      | <b>19.6</b>      | <b>16.2</b>      |
| 172 | Congenital malformations: of the nervous, circulatory and respiratory systems, cleft palate and cleft lip, urinary tract, bones and muscles, other and chromosomal abnormalities not classified elsewhere | 85,534           | 18.8 (18.9)          | 18.1             | 26.9             | 25.8             | 18.6             | 14.7             | 12.7             | 9.8              |
| 173 | Congenital malformations of eye, ear, face and neck   | 19,689           | 4.3 (4.3)            | 4.5              | 7.7              | 6.3              | 3.7              | 2.9              | 2.3              | 1.8              |
| 174 | Other congenital malformations of the digestive system  | 6,481            | 1.4 (1.4)            | 0.6              | 1.0              | 1.2              | 1.2              | 1.6              | 2.1              | 2.9              |
| 175 | Congenital malformations of the sexual organs   | 16,192           | 3.6 (3.6)            | 1.7              | 4.5              | 5.9              | 4.1              | 2.8              | 2.8              | 1.9              |
|     | <b>F – Mental and behavioural disorders</b>   | <b>683,194</b>   | <b>150.0 (150.7)</b> | <b>104.9</b>     | <b>145.7</b>     | <b>152.1</b>     | <b>155.7</b>     | <b>154.3</b>     | <b>138.1</b>     | <b>223.7</b>     |
| 176 | Dementia <sup>c</sup>   | 36,803           | 8.1 (8.1)            | 0.0              | 0.0              | 0.0              | 0.3              | 1.6              | 10.6             | 71.7             |
| 177 | Organic, including symptomatic, mental disorders  | 26,430           | 5.8 (5.9)            | 1.0              | 2.7              | 3.6              | 4.5              | 5.8              | 7.6              | 22.6             |
| 178 | Mental and behavioural disorders due to use of alcohol  | 59,143           | 13.0 (13.2)          | 8.8              | 8.7              | 10.4             | 17.6             | 19.5             | 15.1             | 7.9              |
| 179 | Mental and behavioural disorders due to use of psychoactive substances  | 53,669           | 11.8 (11.9)          | 11.9             | 15.5             | 12.6             | 12.8             | 11.2             | 9.0              | 7.2              |
| 180 | Schizophrenia <sup>c</sup>  | 29,422           | 6.5 (6.5)            | 4.1              | 8.6              | 8.5              | 8.4              | 6.8              | 3.9              | 2.2              |
| 181 | Schizotypal and delusional disorders  | 39,694           | 8.7 (8.8)            | 5.4              | 10.8             | 11.1             | 10.5             | 8.8              | 6.2              | 6.2              |
| 182 | Bipolar affective disorder <sup>c</sup>   | 22,669           | 5.0 (5.0)            | 1.7              | 4.0              | 5.0              | 5.7              | 6.7              | 6.1              | 5.7              |
| 183 | Depression <sup>c</sup>   | 454,933          | 99.9 (100.2)         | 45.4             | 87.2             | 101.0            | 107.1            | 111.6            | 103.1            | 165.8            |
| 184 | Mood (affective) disorders  | 6,887            | 1.5 (1.5)            | 0.6              | 1.6              | 1.7              | 1.7              | 1.7              | 1.4              | 1.7              |
| 185 | Phobic anxiety disorders  | 14,324           | 3.1 (3.2)            | 3.3              | 6.6              | 5.0              | 3.0              | 1.7              | 0.6              | 0.3              |
| 186 | Other anxiety disorders   | 38,079           | 8.4 (8.4)            | 6.0              | 12.7             | 11.2             | 9.3              | 7.1              | 4.8              | 5.3              |
| 187 | Obsessive compulsive disorder (OCD) <sup>c</sup>  | 10,062           | 2.2 (2.2)            | 4.0              | 4.9              | 2.7              | 1.4              | 0.8              | 0.5              | 0.5              |
| 188 | Post-traumatic stress disorder  | 16,055           | 3.5 (3.6)            | 1.3              | 3.9              | 6.0              | 6.1              | 3.4              | 1.0              | 0.4              |
| 189 | Reactions to severe stress and adjustment disorders   | 61,701           | 13.5 (13.7)          | 18.8             | 19.9             | 17.2             | 14.9             | 9.9              | 4.8              | 4.4              |
| 190 | Dissociative (conversion) disorders, somatoform disorders and other neurotic disorders  | 21,420           | 4.7 (4.7)            | 2.0              | 4.9              | 6.5              | 6.4              | 5.0              | 3.6              | 3.1              |
| 191 | Eating disorders  | 7,751            | 1.7 (1.7)            | 5.2              | 4.2              | 1.4              | 0.5              | 0.2              | 0.1              | 0.1              |
| 192 | Behavioural syndromes associated with physiological disturbances and physical factors   | 6,163            | 1.4 (1.3)            | 0.9              | 2.6              | 2.1              | 1.4              | 1.0              | 0.5              | 0.3              |
| 193 | Emotionally unstable personality disorder   | 21,848           | 4.8 (4.9)            | 5.0              | 10.2             | 7.9              | 4.7              | 2.3              | 0.8              | 0.2              |
| 194 | Specific personality disorders  | 50,415           | 11.1 (11.2)          | 6.8              | 18.5             | 17.3             | 13.3             | 8.9              | 4.9              | 2.7              |
| 195 | Disorders of adult personality and behaviour  | 17,533           | 3.8 (3.9)            | 2.3              | 6.4              | 6.2              | 4.9              | 3.0              | 1.5              | 0.7              |
| 196 | Mental retardation  | 13,822           | 3.0 (3.1)            | 4.3              | 4.0              | 3.2              | 3.2              | 2.7              | 1.8              | 1.2              |
| 197 | Disorders of psychological development  | 9,911            | 2.2 (2.2)            | 7.4              | 3.8              | 1.5              | 0.9              | 0.6              | 0.4              | 0.3              |
| 198 | Hyperkinetic disorders (ADHD) <sup>c</sup>  | 42,908           | 9.4 (9.5)            | 26.3             | 15.9             | 10.2             | 5.8              | 2.7              | 1.4              | 1.0              |
| 199 | Behavioural and emotional disorders with onset usually occurring in childhood and adolescence   | 39,602           | 8.7 (8.8)            | 11.9             | 13.8             | 10.0             | 8.4              | 6.3              | 4.5              | 3.7              |
|     |   |                  |                      |                  |                  |                  |                  |                  |                  |                  |
|     | <b>Having one or more chronic conditions</b>  | <b>2,989,441</b> | <b>656.2 (657.2)</b> | <b>338.1</b>     | <b>493.3</b>     | <b>591.0</b>     | <b>678.9</b>     | <b>788.1</b>     | <b>877.2</b>     | <b>953.9</b>     |
|     | <b>Mean number of chronic conditions (std. dev)</b>   |                  | <b>2.2 (2,8)</b>     | <b>0.6 (1.2)</b> | <b>1.1 (1.6)</b> | <b>1.4 (1.9)</b> | <b>1.9 (2.3)</b> | <b>2.8 (2.8)</b> | <b>3.8 (3.2)</b> | <b>5.3 (3.6)</b> |
|     | Depression medicine <sup>c</sup> **   | 529,918          | 116.3 (116.7)        | 54.5             | 93.4             | 113.8            | 124.3            | 130.1            | 126.8            | 201.9            |
|     | Antipsychotic medicine <sup>c</sup> **  | 138,625          | 30.4 (30.6)          | 20.2             | 27.1             | 30.3             | 32.9             | 32.2             | 30.2             | 44.8             |
|     | Indication prescribed anxiety medicine <sup>c</sup> **  | 102,568          | 22.5 (22.6)          | 12.4             | 21.6             | 24.7             | 24.9             | 24.2             | 21.4             | 30.1             |
|     | Heart failure medication <sup>c</sup> **  | 7,468            | 1.6 (1.7)            | 0.0              | 0.1              | 0.2              | 0.8              | 1.9              | 3.6              | 7.5              |
|     | Ischaemic heart medication <sup>c</sup> **  | 129,484          | 28.4 (28.5)          | 0.2              | 0.7              | 2.9              | 10.9             | 29.8             | 63.1             | 147.3            |
|     | <b>All of the five types of medicine above</b>  | <b>688,006</b>   | <b>151.0 (151.6)</b> | <b>64.8</b>      | <b>104.5</b>     | <b>126.8</b>     | <b>145.5</b>     | <b>167.6</b>     | <b>192.2</b>     | <b>331.1</b>     |
|     |   |                  |                      |                  |                  |                  |                  |                  |                  |                  |

|                                      |         |             |      |      |      |      |       |       |       |
|--------------------------------------|---------|-------------|------|------|------|------|-------|-------|-------|
| Others: arthrosis combined (M15-M19) | 338,166 | 74.2 (74.3) | 1.7  | 7.3  | 22.1 | 57.3 | 113.2 | 166.7 | 226.3 |
| Others: overweight (E86)             | 220,928 | 48.5 (49.3) | 12.8 | 70.4 | 77.8 | 48.3 | 44.6  | 44.1  | 28.8  |

<sup>c</sup> complex defined condition, see reference for further details [1]. \*\* 2-year prevalence. Conditions marked 'A' overlap with other conditions and are thus not counted twice [1]. Standardised estimates in brackets.

### **Supplementary Material 3: Comments on selected national conditions, overview means and prevalences of number of conditions (comorbidity)**

In the following, some selected conditions are commented upon. The selection is not complete with regard to all interesting findings, as this is not possible. The selected conditions are chosen as they are common, have some disparities, and are included in the national health profiles so that they can be compared to self-reported estimates [2].

Register-based arthrosis has a lower register-based prevalence than the self-reported estimate of 19.7% [2], including when register diagnoses M15–M19 are summarised (N = 338,166 or 7.4% of the population). A recent European study confirmed both varying and higher prevalence rates than those of the current study [3]. Since arthrosis affects most people around the age of 60–80 [3], but does not necessarily cause limitations, the condition is not expected to be reported by hospitals or GPs for all patients. Therefore, it is not necessarily ‘chronic’ by the definition of the current study if there is no functional or medical need. Nevertheless, there is no reported disease-specific medicine used exclusively for osteoarthritis that can be used here, and the validity of using medication indication codes seems poor, with only a few uses, making it difficult to use registers to include the condition fully.

Although migraine is defined along with the unclear term ‘frequent headaches’ in the self-reported survey (14.5%) [2], the register-based estimates of ‘migraine’ and ‘headache unspecified’ of 4.9% and 0.4%, respectively, are also lower than in a Norwegian study measuring the prevalence of migraine (12.0%) and headache (37.7%), respectively [4]. Comparisons are, however, difficult, since the referenced study measured 1-year prevalence, which is not comparable with the definition in the current study. In addition, the Danish self-reported migraine and ‘frequent headaches’ [2] is a case example of a less severe condition with overlapping, ill-defined aetiology and high variability that for many cases may not be chronic by the definition of this study, thereby illustrating again the scope of challenges in providing reliable estimates. However, the prevalence estimates in the current study are probably still too low.

With regard to tinnitus, there are differences ranging between 0.9% for the current study and the self-reported estimate of 12.1% [2]; other studies show higher prevalences ranging from

4.4 to 15.1% [5]. Also, other studies show that only 1% have severely reduced quality of life due to tinnitus [6], suggesting a high variability in the severity of tinnitus and thereby also meeting the definition of 'chronic'. However, many may still be treated by private specialists without reporting the condition, which may be the most prevalent reason for possible register under-reporting. Thus, further validation might consider including economic settlement information for hearing aids if possible, while at the same time observing changes in the register-based prevalence.

As regards cataracts, which have a self-reported prevalence of 4.1% [2], a recent literature review identified a much higher prevalence of cataracts, indicating the register estimates in the current study to be too low [7]. Furthermore, as with ear conditions, eye conditions are often treated by private specialists who do not yet report to the NPR. Thus, further validation and development of the register-based definition of cataracts might be considered for future studies if possible.

Table 3. Overview: N, prevalence rate per thousand, age and gender (per cent within gender) of disease groups of conditions and chosen medicines for Denmark at 1 January 2013. Standardised rates or mean std. dev. in brackets. See table with 10-year age intervals in Supplementary Material 2.

| Name of condition   | ICD-10 code / definition   | N and prevalence |                                    |                  |                     |                  |                  |  |
|---|--|------------------|------------------------------------|------------------|---------------------|------------------|------------------|--|
|   |  | Denmark          |                                    | Men              | Age 16-44           | Age 45-74        | Age 75 or above  |  |
|   |  | <i>N</i>         | <i>Per thousand (standardised)</i> | <i>Per cent</i>  | <i>Per thousand</i> |                  |                  |  |
| B – Viral hepatitis and human immunodeficiency virus [HIV] disease  | B18, B20–B24   | 8,813            | 1.9 (2.0)                          | 65.3             | 1.8                 | 2.4              | 0.3              |  |
| C – Malignant neoplasms   | C00–C99; D32–D33; D35.2–D35.4; D42–D44   | 229,331          | 50.3 (50.4)                        | 43.3             | 10.2                | 69.4             | 155.8            |  |
| D – In situ and benign neoplasms, and neoplasms of uncertain or unknown behaviour and diseases of the blood and blood-forming organs and certain disorders involving the immune mechanism | D00–D09; D55–D59; D60–D67; D80–D89   | 116,560          | 25.6 (25.7)                        | 36.3             | 13.2                | 27.3             | 80.1             |  |
| E – Endocrine, nutritional and metabolic diseases   | E00–E14; E20–E29; E31–35; E70–E78; E84–E85; E88–E89  | 877,433          | 192.6 (192.7)                      | 45.6             | 43.5                | 279.6            | 501.4            |  |
| G – Diseases of the nervous system  | G00–G14; G20–G32; G35–G37; G40–47; G50–64; G70–73; G80–G83; G90–G99                              | 561,054          | 123.2 (123.5)                      | 40.1             | 70.6                | 162.2            | 188.6            |  |
| H – Diseases of the eye and adnexa and diseases of the ear and mastoid process  | H02–H06; H17–H18; H25–H28; H31–H32; H34–H36; H40–55; H57; H80, H810; H93, H90–H93                | 448,176          | 98.4 (98.6)                        | 47.5             | 25.6                | 112.6            | 394.4            |  |
| I – Diseases of the circulatory system  | I05–I06; I10–28; I30–33; I36–141; I44–I52; I60–I88; I90–I94; I96–I99                             | 1,254,427        | 275.4 (275.5)                      | 45.3             | 73.3                | 381.5            | 753.9            |  |
| J – Diseases of the respiratory system  | J30.1; J40–J47; J60–J84; J95, J97–J99  | 1,210,598        | 265.7 (266.3)                      | 42.1             | 209.3               | 298.8            | 381.9            |  |
| K – Diseases of the digestive system  | K25–K27; K40, K43, K50–52; K58–K59; K71–K77; K86–K87   | 329,337          | 72.3 (72.6)                        | 44.7             | 41.3                | 86.3             | 157.4            |  |
| L – Diseases of the skin and subcutaneous tissue  | L40  | 65,469           | 14.4 (14.5)                        | 47.8             | 7.9                 | 19.3             | 21.7             |  |
| M – Diseases of the musculoskeletal system and connective tissue  | M01–M25; M30–M36; M40–M54; M60.1–M99   | 1,032,808        | 226.7 (227.1)                      | 42.2             | 113.2               | 291.2            | 470.5            |  |
| N – Diseases of the genitourinary system  | N18  | 20,162           | 4.4 (4.5)                          | 59.4             | 1.0                 | 4.8              | 20.0             |  |
| Q – Congenital malformations, deformations and chromosomal abnormalities  | Q00–Q56; Q60–Q99   | 124,898          | 27.4 (27.5)                        | 41.7             | 33.9                | 23.2             | 16.2             |  |
| F – Mental and behavioural disorders  | F00–99   | 683,194          | 150.0 (150.7)                      | 41.0             | 135.2               | 150.2            | 223.7            |  |
| <b>Having one or more chronic conditions</b>  |  | <b>2,989,441</b> | <b>656.2 (657.2)</b>               | <b>45.5</b>      | <b>480.5</b>        | <b>771.5</b>     | <b>953.9</b>     |  |
| <b>Mean number of chronic conditions (std. dev)</b>   |  | <b>2.2 (2.8)</b> | <b>- -</b>                         | <b>2.0 (2.6)</b> | <b>1.1 (1.6)</b>    | <b>2.7 (2.8)</b> | <b>5.3 (3.6)</b> |  |
| Depression medicine <sup>c</sup> **   | ATC: N06A.   | 529,918          | 116.3 (116.7)                      | 36.3             | 88.7                | 126.9            | 201.9            |  |
| Antipsychotic medicine <sup>c</sup> **  | ATC: N05A.   | 138,625          | 30.4 (30.6)                        | 45.7             | 26.1                | 31.9             | 44.8             |  |
| Indication prescribed anxiety medicine <sup>c</sup> **  | All prescriptions with either indication codes 163 (for anxiety) or 371 (for anxiety, addictive) | 102,568          | 22.5 (22.6)                        | 34.5             | 19.9                | 23.7             | 30.1             |  |
| Heart failure medication <sup>c</sup> **  | ATC: C01AA05, C03, C07 or C09A with indication code 430 (for heart failure)                      | 7,468            | 1.6 (1.7)                          | 64.6             | 0.1                 | 2.0              | 7.5              |  |
| Ischaemic heart medication <sup>c</sup> **  | ATC: C01A, C01B, C01D, C01E.   | 129,484          | 28.4 (28.5)                        | 51.8             | 1.4                 | 32.0             | 147.3            |  |
| <b>All of the five types of medicine above</b>  |  | <b>688,006</b>   | <b>151.0 (151.6)</b>               | <b>40.4</b>      | <b>100.2</b>        | <b>166.1</b>     | <b>331.1</b>     |  |

<sup>c</sup> complex defined condition, see reference for further details [1]. \*\* 2-year prevalence. Conditions marked 'A' overlap with other conditions and are thus not counted twice [1].



The maximum number of chronic conditions, one person have, is 36. In the tables below, prevalences of number of conditions are presented by gender and age.

Table 4. Number of conditions by age in per cent and means (comorbidity)

|   | Age 16-24        | Age 25-34        | Age 35-44        | Age 45-54        | Age 55-64        | Age 65-74        | Age >=75         | All N            | All Per cent |
|---|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|--------------|
| 0 condition                             | 66.2             | 50.7             | 40.9             | 32.1             | 21.2             | 12.3             | 4.6              | 1,565,998        | 34.4         |
| 1 condition                             | 19.5             | 23.6             | 24.9             | 23.2             | 19.2             | 14.5             | 7.8              | 906,365          | 19.9         |
| 2 conditions                            | 7.6              | 11.6             | 14.1             | 15.5             | 16.3             | 15.0             | 10.6             | 601,767          | 13.2         |
| 3 conditions                            | 3.5              | 6.5              | 8.5              | 10.6             | 12.9             | 14.0             | 12.3             | 435,614          | 9.6          |
| 4 conditions                            | 1.6              | 3.4              | 4.8              | 6.8              | 9.4              | 11.6             | 12.1             | 306,882          | 6.7          |
| 5 conditions                            | 0.8              | 1.8              | 2.8              | 4.3              | 6.7              | 9.1              | 11.3             | 218,183          | 4.8          |
| 6 conditions                            | 0.4              | 1.0              | 1.6              | 2.7              | 4.7              | 6.8              | 9.7              | 155,685          | 3.4          |
| 7 conditions                            | 0.2              | 0.6              | 0.9              | 1.7              | 3.2              | 5.0              | 7.9              | 109,688          | 2.4          |
| 8 conditions                            | 0.1              | 0.3              | 0.6              | 1.1              | 2.1              | 3.6              | 6.3              | 77,563           | 1.7          |
| 9 conditions                            | 0.1              | 0.2              | 0.4              | 0.7              | 1.4              | 2.5              | 4.8              | 54,429           | 1.2          |
| 10 or more conditions                   | 0.1              | 0.3              | 0.6              | 1.3              | 2.9              | 5.7              | 12.7             | 123,265          | 2.7          |
| <b>Total %</b>                          | 100              | 100              | 100              | 100              | 100              | 100              | 100              | 4,555,439        | 100          |
| <b>N</b>                                | 648,269          | 650,285          | 760,514          | 801,708          | 694,862          | 594,029          | 405,772          | -                | -            |
| <b>Mean nmb. conditions (std. dev.)</b> | <b>0.6 (1.2)</b> | <b>1.1 (1.6)</b> | <b>1.4 (1.9)</b> | <b>1.9 (2.3)</b> | <b>2.8 (2.8)</b> | <b>3.8 (3.2)</b> | <b>5.3 (3.6)</b> | <b>2.2 (2.8)</b> | <b>-</b>     |

Table 5. Number of conditions by gender and age in per cent and means (comorbidity)

|  | Age 16-24        | Age 25-34        | Age 35-44        | Age 45-54        | Age 55-64        | Age 65-74        | Age >=75         | All N            | All Per cent |
|--|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|--------------|
| <b>Men</b>                                   |                  |                  |                  |                  |                  |                  |                  |                  |              |
| 0 condition                                  | 69.3             | 56.9             | 47.4             | 37.3             | 24.7             | 13.8             | 5.3              | 881,465          | 39.3         |
| 1 condition                                  | 18.8             | 22.4             | 24.0             | 23.1             | 19.5             | 14.7             | 8.3              | 444,066          | 19.8         |
| 2 conditions                                 | 6.8              | 9.9              | 12.4             | 14.3             | 15.8             | 14.7             | 10.7             | 274,281          | 12.2         |
| 3 conditions                                 | 2.9              | 5.3              | 7.2              | 9.6              | 12.2             | 13.7             | 12.1             | 194,328          | 8.7          |
| 4 conditions                                 | 1.2              | 2.6              | 3.8              | 5.9              | 8.9              | 11.4             | 11.8             | 133,575          | 6.0          |
| 5 or more conditions                         | 1.1              | 2.9              | 5.1              | 9.9              | 19.0             | 31.8             | 51.8             | 314,707          | 14.0         |
| <b>Total %</b>                               | 100.1            | 100              | 99.9             | 100.1            | 100.1            | 100.1            | 100              | -                | 100          |
| <b>N</b>                                     | 331,170          | 327,436          | 381,978          | 404,507          | 345,379          | 288,496          | 163,456          | 2,242,422        | -            |
| <b>Mean number of conditions (std. dev.)</b> | <b>0.5 (1.0)</b> | <b>0.9 (1.4)</b> | <b>1.2 (1.7)</b> | <b>1.7 (2.2)</b> | <b>2.6 (2.7)</b> | <b>3.7 (3.2)</b> | <b>5.3 (5.7)</b> | <b>2.0 (2.6)</b> | <b>-</b>     |
| <b>Women</b>                                 |                  |                  |                  |                  |                  |                  |                  |                  |              |
| 0 condition                                  | 63.0             | 44.4             | 34.3             | 26.9             | 17.8             | 10.9             | 4.1              | 684,533          | 29.6         |
| 1 condition                                  | 20.3             | 24.7             | 25.8             | 23.3             | 19.0             | 14.2             | 7.5              | 462,299          | 20.0         |
| 2 conditions                                 | 8.5              | 13.2             | 15.8             | 16.7             | 16.9             | 15.4             | 10.5             | 327,486          | 14.2         |
| 3 conditions                                 | 4.1              | 7.7              | 9.8              | 11.6             | 13.5             | 14.2             | 12.4             | 241,286          | 10.4         |
| 4 conditions                                 | 2.0              | 4.4              | 5.8              | 7.7              | 10.0             | 11.8             | 12.3             | 173,307          | 7.5          |
| 5 or more conditions                         | 2.2              | 5.7              | 8.6              | 13.8             | 22.9             | 33.5             | 53.3             | 424,106          | 18.3         |
| <b>Total %</b>                               | 100.1            | 100.1            | 100.1            | 100              | 100.1            | 100              | 100.1            | -                | 100          |
| <b>N</b>                                     | 317,099          | 322,849          | 378,536          | 397,201          | 349,483          | 305,533          | 242,316          | 2,313,017        | -            |
| <b>Mean number of conditions (std. dev.)</b> | <b>0.7 (1.3)</b> | <b>1.3 (1.8)</b> | <b>1.7 (2.0)</b> | <b>2.2 (2.4)</b> | <b>3.0 (2.8)</b> | <b>3.8 (3.2)</b> | <b>5.4 (3.6)</b> | <b>2.4 (2.9)</b> | <b>-</b>     |

## Supplementary Material 4: Regional differences standardised - for all 199 conditions

Table 6. N and prevalence of conditions and medicine for Denmark and the five regions – standardised by age, gender and education at 1 January 2013

| Nr | Condition  | Denmark        |                     | Capital Region of Denmark |                     | Central Denmark Region |                     | North Denmark Region |                     | Region of Southern Denmark |                     | Zealand Region |                     |
|----|--|----------------|---------------------|---------------------------|---------------------|------------------------|---------------------|----------------------|---------------------|----------------------------|---------------------|----------------|---------------------|
|    |  | <i>N</i>       | <i>Per thousand</i> | <i>N</i>                  | <i>Per thousand</i> | <i>N</i>               | <i>Per thousand</i> | <i>N</i>             | <i>Per thousand</i> | <i>N</i>                   | <i>Per thousand</i> | <i>N</i>       | <i>Per thousand</i> |
|    | <b>B – Viral hepatitis and human immunodeficiency virus [HIV] disease</b>  | <b>8,940</b>   | <b>2.0</b>          | <b>4,167</b>              | <b>2.9</b>          | <b>1,896</b>           | <b>1.8</b>          | <b>481</b>           | <b>1.0</b>          | <b>1,451</b>               | <b>1.5</b>          | <b>944</b>     | <b>1.4</b>          |
| 1  | Chronic viral hepatitis  | 4,654          | 1.0                 | 1,700                     | 1.2                 | 1,288                  | 1.3                 | 281                  | 0.6                 | 934                        | 1.0                 | 450            | 0.7                 |
| 2  | Human immunodeficiency virus [HIV] disease   | 4,286          | 0.9                 | 2,467                     | 1.7                 | 609                    | 0.6                 | 200                  | 0.4                 | 517                        | 0.5                 | 493            | 0.7                 |
|    | <b>C – Malignant neoplasms</b>   | <b>229,685</b> | <b>50.4</b>         | <b>74,242</b>             | <b>52.5</b>         | <b>51,797</b>          | <b>50.5</b>         | <b>21,623</b>        | <b>45.5</b>         | <b>47,436</b>              | <b>48.6</b>         | <b>34,587</b>  | <b>52.0</b>         |
| 3  | Malignant neoplasms of other and unspecified localisations   | 20,810         | 4.6                 | 8,281                     | 5.9                 | 4,208                  | 4.1                 | 2,047                | 4.3                 | 3,170                      | 3.2                 | 3,104          | 4.7                 |
| 4  | Malignant neoplasms of digestive organs  | 4,879          | 1.1                 | 1,774                     | 1.3                 | 998                    | 1.0                 | 440                  | 0.9                 | 921                        | 0.9                 | 746            | 1.1                 |
| 5  | Malignant neoplasm of colon  | 18,898         | 4.1                 | 6,600                     | 4.7                 | 3,765                  | 3.7                 | 1,808                | 3.8                 | 3,669                      | 3.8                 | 3,056          | 4.6                 |
| 6  | Malignant neoplasms of rectosigmoid junction, rectum, anus and anal canal  | 10,681         | 2.3                 | 3,365                     | 2.4                 | 2,269                  | 2.2                 | 1,167                | 2.5                 | 2,220                      | 2.3                 | 1,660          | 2.5                 |
| 7  | Malignant neoplasm of bronchus and lung  | 14,824         | 3.3                 | 3,331                     | 2.4                 | 5,582                  | 5.4                 | 1,063                | 2.2                 | 3,041                      | 3.1                 | 1,807          | 2.7                 |
| 8  | Malignant melanoma of skin   | 19,639         | 4.3                 | 7,327                     | 5.2                 | 3,459                  | 3.4                 | 1,423                | 3.0                 | 4,266                      | 4.4                 | 3,164          | 4.8                 |
| 9  | Other malignant neoplasms of skin  | 15,679         | 3.4                 | 5,137                     | 3.6                 | 3,443                  | 3.4                 | 933                  | 2.0                 | 4,013                      | 4.1                 | 2,153          | 3.2                 |
| 10 | Malignant neoplasm of breast   | 50,777         | 11.1                | 16,446                    | 11.6                | 11,379                 | 11.1                | 4,791                | 10.1                | 11,309                     | 11.6                | 6,852          | 10.3                |
| 11 | Malignant neoplasms of female genital organs   | 7,177          | 1.6                 | 2,229                     | 1.6                 | 1,202                  | 1.2                 | 635                  | 1.3                 | 1,312                      | 1.3                 | 1,799          | 2.7                 |
| 12 | Malignant neoplasm of cervix uteri, corpus uteri and part unspecified  | 11,537         | 2.5                 | 3,430                     | 2.4                 | 2,240                  | 2.2                 | 1,205                | 2.5                 | 2,294                      | 2.4                 | 2,368          | 3.6                 |
| 13 | Malignant tumour of male genitalia   | 5,210          | 1.1                 | 1,679                     | 1.2                 | 1,115                  | 1.1                 | 526                  | 1.1                 | 1,075                      | 1.1                 | 816            | 1.2                 |
| 14 | Malignant neoplasm of prostate   | 26,701         | 5.9                 | 8,435                     | 6.0                 | 5,791                  | 5.6                 | 3,224                | 6.8                 | 5,300                      | 5.4                 | 3,952          | 5.9                 |
| 15 | Malignant neoplasms of urinary tract   | 10,291         | 2.3                 | 2,989                     | 2.1                 | 2,363                  | 2.3                 | 1,245                | 2.6                 | 2,113                      | 2.2                 | 1,580          | 2.4                 |
| 16 | Brain cancer <sup>c</sup>  | 15,364         | 3.4                 | 5,284                     | 3.7                 | 3,155                  | 3.1                 | 1,546                | 3.3                 | 2,719                      | 2.8                 | 2,660          | 4.0                 |
| 17 | Malignant neoplasms of ill-defined, secondary and unspecified sites, and of independent (primary) multiple sites   | 25,708         | 5.6                 | 6,162                     | 4.4                 | 9,278                  | 9.0                 | 2,498                | 5.3                 | 4,832                      | 5.0                 | 2,939          | 4.4                 |
| 18 | Malignant neoplasms, stated or presumed to be primary, of lymphoid, haematopoietic and related tissue  | 19,703         | 4.3                 | 6,205                     | 4.4                 | 4,419                  | 4.3                 | 1,744                | 3.7                 | 4,580                      | 4.7                 | 2,756          | 4.1                 |
|    | <b>D – In situ and benign neoplasms, and neoplasms of uncertain or unknown behaviour and diseases of the blood and blood-forming organs and certain disorders involving the immune mechanism</b> | <b>117,140</b> | <b>25.7</b>         | <b>35,823</b>             | <b>25.4</b>         | <b>29,089</b>          | <b>28.3</b>         | <b>10,527</b>        | <b>22.1</b>         | <b>24,421</b>              | <b>25.0</b>         | <b>17,281</b>  | <b>26.0</b>         |

|    |  |                |              |                |              |                |              |               |              |                |              |                |              |
|----|--|----------------|--------------|----------------|--------------|----------------|--------------|---------------|--------------|----------------|--------------|----------------|--------------|
| 19 | In situ neoplasms  | 19,901         | 4.4          | 6,233          | 4.4          | 3,895          | 3.8          | 2,149         | 4.5          | 4,640          | 4.8          | 2,984          | 4.5          |
| 20 | Haemolytic anaemias  | 3,041          | 0.7          | 1,082          | 0.8          | 736            | 0.7          | 239           | 0.5          | 602            | 0.6          | 383            | 0.6          |
| 21 | Aplastic and other anaemias  | 15,108         | 3.3          | 5,627          | 4.0          | 2,976          | 2.9          | 1,449         | 3.0          | 2,570          | 2.6          | 2,486          | 3.7          |
| 22 | Other anaemias   | 46,815         | 10.3         | 14,234         | 10.1         | 10,811         | 10.5         | 4,184         | 8.8          | 10,404         | 10.7         | 7,182          | 10.8         |
| 23 | Coagulation defects, purpura and other haemorrhagic conditions   | 25,524         | 5.6          | 7,015          | 5.0          | 8,804          | 8.6          | 1,762         | 3.7          | 4,362          | 4.5          | 3,581          | 5.4          |
| 24 | Other diseases of blood and blood-forming organs   | 8,904          | 2.0          | 2,782          | 2.0          | 2,160          | 2.1          | 707           | 1.5          | 1,962          | 2.0          | 1,292          | 1.9          |
| 25 | Certain disorders involving the immune mechanism   | 7,648          | 1.7          | 2,056          | 1.5          | 1,850          | 1.8          | 895           | 1.9          | 1,749          | 1.8          | 1,099          | 1.7          |
|    | <b>E – Endocrine, nutritional and metabolic diseases</b>   | <b>877,683</b> | <b>192.7</b> | <b>260,800</b> | <b>184.6</b> | <b>203,022</b> | <b>197.8</b> | <b>94,353</b> | <b>198.4</b> | <b>194,071</b> | <b>198.9</b> | <b>125,437</b> | <b>188.7</b> |
| 26 | Diseases of the thyroid °  | 131,909        | 29.0         | 41,838         | 29.6         | 28,311         | 27.6         | 11,427        | 24.0         | 29,059         | 29.8         | 21,274         | 32.0         |
| 27 | Thyrotoxicosis °   | 41,200         | 9.0          | 11,616         | 8.2          | 9,815          | 9.6          | 5,624         | 11.8         | 9,616          | 9.9          | 4,529          | 6.8          |
| 28 | Diabetes type 1 °  | 23,120         | 5.1          | 6,547          | 4.6          | 5,482          | 5.3          | 2,502         | 5.3          | 5,282          | 5.4          | 3,307          | 5.0          |
| 29 | Diabetes type 2 °  | 242,682        | 53.3         | 73,650         | 52.1         | 55,267         | 53.8         | 24,685        | 51.9         | 53,782         | 55.1         | 35,299         | 53.1         |
| 30 | Diabetes others °  | 1,127          | 0.2          | 348            | 0.2          | 226            | 0.2          | 86            | 0.2          | 314            | 0.3          | 153            | 0.2          |
| 31 | Disorders of other endocrine glands  | 28,944         | 6.4          | 8,283          | 5.9          | 7,932          | 7.7          | 2,086         | 4.4          | 7,072          | 7.2          | 3,571          | 5.4          |
| 32 | Metabolic disorders  | 23,723         | 5.2          | 7,038          | 5.0          | 6,076          | 5.9          | 1,887         | 4.0          | 5,486          | 5.6          | 3,238          | 4.9          |
| 33 | Disturbances in lipoprotein circulation and other lipids °   | 652,111        | 143.1        | 189,944        | 134.4        | 154,201        | 150.2        | 73,443        | 154.4        | 143,266        | 146.8        | 91,256         | 137.3        |
| 34 | Cystic fibrosis °  | 928            | 0.2          | 467            | 0.3          | 121            | 0.1          | 57            | 0.1          | 127            | 0.1          | 156            | 0.2          |
|    | <b>G – Diseases of the nervous system</b>  | <b>562,699</b> | <b>123.5</b> | <b>160,082</b> | <b>113.3</b> | <b>133,562</b> | <b>130.1</b> | <b>55,326</b> | <b>116.3</b> | <b>128,695</b> | <b>131.9</b> | <b>85,035</b>  | <b>128.0</b> |
| 35 | Inflammatory diseases of the central nervous system  | 7,669          | 1.7          | 2,479          | 1.8          | 1,748          | 1.7          | 660           | 1.4          | 1,661          | 1.7          | 1,121          | 1.7          |
| 36 | Systemic atrophies primarily affecting the central nervous system and other degenerative diseases                      | 10,566         | 2.3          | 4,567          | 3.2          | 1,741          | 1.7          | 574           | 1.2          | 1,748          | 1.8          | 1,937          | 2.9          |
| 37 | Parkinson's disease °  | 57,565         | 12.6         | 15,991         | 11.3         | 13,669         | 13.3         | 6,524         | 13.7         | 13,482         | 13.8         | 7,899          | 11.9         |
| 38 | Extrapyramidal and movement disorders  | 10,893         | 2.4          | 3,329          | 2.4          | 2,961          | 2.9          | 936           | 2.0          | 2,308          | 2.4          | 1,360          | 2.0          |
| 39 | Sclerosis  | 13,317         | 2.9          | 3,969          | 2.8          | 3,071          | 3.0          | 1,210         | 2.5          | 3,033          | 3.1          | 2,033          | 3.1          |
| 40 | Demyelinating diseases of the central nervous system   | 4,562          | 1.0          | 1,167          | 0.8          | 1,009          | 1.0          | 523           | 1.1          | 1,055          | 1.1          | 808            | 1.2          |
| 41 | Epilepsy °   | 61,993         | 13.6         | 16,933         | 12.0         | 15,888         | 15.5         | 6,260         | 13.2         | 13,761         | 14.1         | 9,152          | 13.8         |
| 42 | Migraine °   | 150,385        | 33.0         | 44,956         | 31.8         | 33,119         | 32.3         | 15,622        | 32.8         | 33,423         | 34.3         | 23,266         | 35.0         |
| 43 | Other headache syndromes   | 16,580         | 3.6          | 5,896          | 4.2          | 3,296          | 3.2          | 1,239         | 2.6          | 3,913          | 4.0          | 2,235          | 3.4          |
| 44 | Transient cerebral ischaemic attacks and related syndromes and vascular syndromes of brain in cerebrovascular diseases | 44,079         | 9.7          | 13,052         | 9.2          | 10,491         | 10.2         | 4,941         | 10.4         | 9,415          | 9.6          | 6,180          | 9.3          |
| 45 | Sleep disorders  | 36,919         | 8.1          | 10,856         | 7.7          | 9,235          | 9.0          | 4,070         | 8.6          | 7,403          | 7.6          | 5,355          | 8.1          |
| 46 | Disorders of trigeminal nerve and facial nerve disorders   | 21,602         | 4.7          | 7,018          | 5.0          | 4,482          | 4.4          | 1,789         | 3.8          | 5,244          | 5.4          | 3,069          | 4.6          |
| 47 | Disorders of other cranial nerves, cranial nerve disorders in diseases classified elsewhere, nerve                     | 12,512         | 2.7          | 3,913          | 2.8          | 2,635          | 2.6          | 917           | 1.9          | 3,546          | 3.6          | 1,502          | 2.3          |

|    |  |                |             |                |              |                |             |               |             |               |             |               |             |
|----|--|----------------|-------------|----------------|--------------|----------------|-------------|---------------|-------------|---------------|-------------|---------------|-------------|
|    | root and plexus disorders and nerve root and plexus compressions in diseases classified elsewhere          |                |             |                |              |                |             |               |             |               |             |               |             |
| 48 | Mononeuropathies of upper limb   | 122,454        | 26.9        | 26,653         | 18.9         | 35,077         | 34.2        | 11,924        | 25.1        | 33,372        | 34.2        | 15,428        | 23.2        |
| 49 | Mononeuropathies of lower limb, other mononeuropathies and mononeuropathy in diseases classified elsewhere | 18,671         | 4.1         | 4,627          | 3.3          | 5,132          | 5.0         | 1,570         | 3.3         | 5,096         | 5.2         | 2,247         | 3.4         |
| 50 | Polyneuropathies and other disorders of the peripheral nervous system                                      | 30,571         | 6.7         | 9,208          | 6.5          | 8,020          | 7.8         | 2,489         | 5.2         | 7,683         | 7.9         | 3,171         | 4.8         |
| 51 | Diseases of myoneural junction and muscle  | 5,763          | 1.3         | 1,857          | 1.3          | 1,314          | 1.3         | 545           | 1.1         | 1,173         | 1.2         | 873           | 1.3         |
| 52 | Cerebral palsy and other paralytic syndromes   | 14,481         | 3.2         | 4,021          | 2.8          | 3,514          | 3.4         | 1,371         | 2.9         | 3,154         | 3.2         | 2,421         | 3.6         |
| 53 | Other disorders of the nervous system  | 44,422         | 9.8         | 14,714         | 10.4         | 5,459          | 5.3         | 2,262         | 4.8         | 6,718         | 6.9         | 15,269        | 23.0        |
|    | <b>H – Diseases of the eye and adnexa and diseases of the ear and mastoid process</b>                      | <b>448,968</b> | <b>98.6</b> | <b>143,318</b> | <b>101.4</b> | <b>101,054</b> | <b>98.5</b> | <b>46,479</b> | <b>97.7</b> | <b>96,865</b> | <b>99.3</b> | <b>61,251</b> | <b>92.2</b> |
| 54 | Disorders of eyelid, lacrimal system and orbit   | 13,194         | 2.9         | 3,404          | 2.4          | 3,262          | 3.2         | 1,809         | 3.8         | 3,475         | 3.6         | 1,243         | 1.9         |
| 55 | Corneal scars and opacities  | 2,165          | 0.5         | 323            | 0.2          | 808            | 0.8         | 314           | 0.7         | 485           | 0.5         | 235           | 0.4         |
| 56 | Other disorders of cornea  | 9,546          | 2.1         | 2,243          | 1.6          | 3,371          | 3.3         | 1,127         | 2.4         | 1,793         | 1.8         | 1,013         | 1.5         |
| 57 | Diseases of the eye lens (cataracts)   | 68,649         | 15.1        | 23,971         | 17.0         | 16,442         | 16.0        | 5,716         | 12.0        | 13,989        | 14.3        | 8,532         | 12.8        |
| 58 | Disorders of the choroid and retina  | 1,901          | 0.4         | 538            | 0.4          | 343            | 0.3         | 263           | 0.6         | 464           | 0.5         | 294           | 0.4         |
| 59 | Retinal vascular occlusions  | 10,389         | 2.3         | 3,450          | 2.4          | 2,353          | 2.3         | 946           | 2.0         | 2,200         | 2.3         | 1,440         | 2.2         |
| 60 | Other retinal disorders  | 68,812         | 15.1        | 22,318         | 15.8         | 16,247         | 15.8        | 6,461         | 13.6        | 14,329        | 14.7        | 9,457         | 14.2        |
| 61 | Retinal disorders in diseases classified elsewhere   | 19,366         | 4.3         | 3,233          | 2.3          | 9,131          | 8.9         | 1,313         | 2.8         | 3,138         | 3.2         | 2,550         | 3.8         |
| 62 | Glaucoma <sup>c</sup>  | 67,747         | 14.9        | 21,365         | 15.1         | 17,976         | 17.5        | 6,712         | 14.1        | 13,265        | 13.6        | 8,430         | 12.7        |
| 63 | Disorders of the vitreous body and globe   | 7,631          | 1.7         | 2,212          | 1.6          | 2,148          | 2.1         | 1,139         | 2.4         | 1,400         | 1.4         | 733           | 1.1         |
| 64 | Disorders of optic nerve and visual pathways   | 6,221          | 1.4         | 2,012          | 1.4          | 1,227          | 1.2         | 789           | 1.7         | 1,318         | 1.4         | 875           | 1.3         |
| 65 | Disorders of ocular muscles, binocular movement, accommodation and refraction                              | 18,251         | 4.0         | 6,125          | 4.3          | 3,702          | 3.6         | 2,321         | 4.9         | 3,495         | 3.6         | 2,609         | 3.9         |
| 66 | Visual disturbances  | 22,250         | 4.9         | 5,732          | 4.1          | 5,580          | 5.4         | 3,763         | 7.9         | 4,537         | 4.6         | 2,639         | 4.0         |
| 67 | Blindness and partial sight  | 6,778          | 1.5         | 2,818          | 2.0          | 1,194          | 1.2         | 650           | 1.4         | 1,226         | 1.3         | 891           | 1.3         |
| 68 | Nystagmus and other irregular eye movements and other disorders of eye and adnexa                          | 11,296         | 2.5         | 6,300          | 4.5          | 1,817          | 1.8         | 878           | 1.8         | 1,291         | 1.3         | 1,010         | 1.5         |
| 69 | Otosclerosis   | 10,345         | 2.3         | 3,431          | 2.4          | 1,931          | 1.9         | 1,040         | 2.2         | 2,310         | 2.4         | 1,633         | 2.5         |
| 70 | Ménière's disease <sup>c</sup>   | 9,957          | 2.2         | 2,946          | 2.1          | 1,911          | 1.9         | 877           | 1.8         | 2,576         | 2.6         | 1,646         | 2.5         |
| 71 | Other diseases of the inner ear  | 28,906         | 6.3         | 5,035          | 3.6          | 4,470          | 4.4         | 5,778         | 12.1        | 9,582         | 9.8         | 4,040         | 6.1         |
| 72 | Conductive and sensorineural hearing loss  | 43,621         | 9.6         | 16,235         | 11.5         | 9,435          | 9.2         | 4,372         | 9.2         | 7,911         | 8.1         | 5,668         | 8.5         |
| 73 | Other hearing loss and other disorders of ear not classified elsewhere                                     | 8,203          | 1.8         | 2,304          | 1.6          | 1,298          | 1.3         | 758           | 1.6         | 2,627         | 2.7         | 1,215         | 1.8         |
| 74 | Presbycusis (age-related hearing loss)   | 80,204         | 17.6        | 26,707         | 18.9         | 11,827         | 11.5        | 10,608        | 22.3        | 20,101        | 20.6        | 10,962        | 16.5        |
| 75 | Hearing loss, unspecified  | 87,991         | 19.3        | 30,062         | 21.3         | 17,632         | 17.2        | 7,536         | 15.8        | 18,987        | 19.5        | 13,774        | 20.7        |
| 76 | Tinnitus   | 39,683         | 8.7         | 12,548         | 8.9          | 5,570          | 5.4         | 6,057         | 12.7        | 9,898         | 10.1        | 5,611         | 8.4         |
| 77 | Other specified disorders of ear   | 19,907         | 4.4         | 3,159          | 2.2          | 2,455          | 2.4         | 2,023         | 4.3         | 6,968         | 7.1         | 5,302         | 8.0         |

|     | <b>I – Diseases of the circulatory system</b>  | <b>1,255,023</b> | <b>275.5</b> | <b>371,814</b> | <b>263.1</b> | <b>282,908</b> | <b>275.6</b> | <b>135,244</b> | <b>284.3</b> | <b>279,542</b> | <b>286.5</b> | <b>185,516</b> | <b>279.2</b> |
|-----|--|------------------|--------------|----------------|--------------|----------------|--------------|----------------|--------------|----------------|--------------|----------------|--------------|
| 78  | Aortic and mitral valve disease <sup>c</sup>   | 29,962           | 6.6          | 7,073          | 5.0          | 8,402          | 8.2          | 2,868          | 6.0          | 7,501          | 7.7          | 4,119          | 6.2          |
| 79  | Hypertensive diseases <sup>c</sup>   | 1,059,864        | 232.7        | 314,316        | 222.4        | 237,405        | 231.3        | 116,916        | 245.8        | 235,211        | 241.0        | 156,016        | 234.8        |
| 80  | Heart failure <sup>c</sup>   | 38,025           | 8.3          | 14,808         | 10.5         | 7,413          | 7.2          | 2,593          | 5.5          | 7,224          | 7.4          | 5,989          | 9.0          |
| 80A | Ischaemic heart diseases   | 139,703          | 30.7         | 43,566         | 30.8         | 34,076         | 33.2         | 12,962         | 27.3         | 26,948         | 27.6         | 22,150         | 33.3         |
| 81  | Angina pectoris  | 78,972           | 17.3         | 23,590         | 16.7         | 22,676         | 22.1         | 7,849          | 16.5         | 14,303         | 14.7         | 10,553         | 15.9         |
| 82  | Acute myocardial infarction and subsequent myocardial infarction   | 36,762           | 8.1          | 11,662         | 8.3          | 8,094          | 7.9          | 3,252          | 6.8          | 7,605          | 7.8          | 6,150          | 9.3          |
| 83  | AMI complex/other  | 2,988            | 0.7          | 1,136          | 0.8          | 301            | 0.3          | 127            | 0.3          | 389            | 0.4          | 1,035          | 1.6          |
| 84  | Chronic ischaemic heart disease  | 84,808           | 18.6         | 26,962         | 19.1         | 18,589         | 18.1         | 7,524          | 15.8         | 16,812         | 17.2         | 14,921         | 22.5         |
| 85  | Pulmonary heart disease and diseases of pulmonary circulation  | 15,436           | 3.4          | 5,424          | 3.8          | 2,993          | 2.9          | 1,195          | 2.5          | 3,452          | 3.5          | 2,372          | 3.6          |
| 86  | Acute pericarditis   | 5,551            | 1.2          | 1,809          | 1.3          | 1,118          | 1.1          | 438            | 0.9          | 1,273          | 1.3          | 913            | 1.4          |
| 87  | Other forms of heart disease   | 8,147            | 1.8          | 2,729          | 1.9          | 1,647          | 1.6          | 686            | 1.4          | 1,820          | 1.9          | 1,264          | 1.9          |
| 88  | Atrioventricular and left bundle branch block  | 14,678           | 3.2          | 4,403          | 3.1          | 3,586          | 3.5          | 1,415          | 3.0          | 3,133          | 3.2          | 2,141          | 3.2          |
| 89  | Other conduction disorders   | 11,867           | 2.6          | 3,886          | 2.8          | 2,406          | 2.3          | 1,041          | 2.2          | 2,478          | 2.5          | 2,056          | 3.1          |
| 90  | Paroxysmal tachycardia   | 39,538           | 8.7          | 11,797         | 8.3          | 9,180          | 8.9          | 4,053          | 8.5          | 7,429          | 7.6          | 7,079          | 10.7         |
| 91  | Atrial fibrillation and flutter  | 112,555          | 24.7         | 35,826         | 25.4         | 25,564         | 24.9         | 11,295         | 23.7         | 23,498         | 24.1         | 16,373         | 24.6         |
| 92  | Other cardiac arrhythmias  | 34,563           | 7.6          | 10,084         | 7.1          | 8,585          | 8.4          | 2,947          | 6.2          | 7,758          | 8.0          | 5,190          | 7.8          |
| 93  | Complications and ill-defined descriptions of heart disease and other heart disorders in diseases classified elsewhere   | 7,476            | 1.6          | 3,042          | 2.2          | 2,135          | 2.1          | 315            | 0.7          | 1,289          | 1.3          | 695            | 1.0          |
| 94  | Stroke   | 72,852           | 16.0         | 23,619         | 16.7         | 16,560         | 16.1         | 5,969          | 12.5         | 15,247         | 15.6         | 11,457         | 17.2         |
| 95  | Cerebrovascular diseases   | 17,432           | 3.8          | 6,095          | 4.3          | 3,440          | 3.4          | 1,576          | 3.3          | 4,422          | 4.5          | 1,899          | 2.9          |
| 96  | Sequelae of cerebrovascular disease  | 50,969           | 11.2         | 15,868         | 11.2         | 10,020         | 9.8          | 4,568          | 9.6          | 12,509         | 12.8         | 8,004          | 12.0         |
| 97  | Atherosclerosis  | 31,893           | 7.0          | 9,023          | 6.4          | 6,217          | 6.1          | 2,666          | 5.6          | 8,119          | 8.3          | 5,868          | 8.8          |
| 98  | Aortic aneurysm and aortic dissection  | 10,349           | 2.3          | 3,244          | 2.3          | 2,542          | 2.5          | 836            | 1.8          | 2,282          | 2.3          | 1,444          | 2.2          |
| 99  | Diseases of arteries, arterioles and capillaries   | 11,932           | 2.6          | 4,288          | 3.0          | 2,747          | 2.7          | 867            | 1.8          | 2,540          | 2.6          | 1,490          | 2.2          |
| 100 | Other peripheral vascular diseases   | 28,582           | 6.3          | 8,375          | 5.9          | 6,680          | 6.5          | 2,784          | 5.9          | 7,332          | 7.5          | 3,413          | 5.1          |
| 101 | Phlebitis, thrombosis of the portal vein and others  | 37,596           | 8.3          | 13,128         | 9.3          | 6,361          | 6.2          | 3,871          | 8.1          | 7,843          | 8.0          | 6,393          | 9.6          |
| 102 | Varicose veins of lower extremities  | 23,783           | 5.2          | 5,180          | 3.7          | 7,327          | 7.1          | 3,107          | 6.5          | 7,095          | 7.3          | 1,074          | 1.6          |
| 103 | Haemorrhoids <sup>c</sup>  | 74,298           | 16.3         | 18,692         | 13.2         | 18,236         | 17.8         | 7,832          | 16.5         | 18,093         | 18.5         | 11,445         | 17.2         |
| 104 | Oesophageal varices (chronic), varicose veins of other sites, other disorders of veins, non-specific lymphadenitis, other non-infective disorders of lymphatic vessels and lymph nodes and other and unspecified disorders of the circulatory system | 15,140           | 3.3          | 4,254          | 3.0          | 2,928          | 2.9          | 1,199          | 2.5          | 3,067          | 3.1          | 3,693          | 5.6          |
|     | <b>J – Diseases of the respiratory system</b>  | <b>1,213,221</b> | <b>266.3</b> | <b>386,289</b> | <b>273.4</b> | <b>268,734</b> | <b>261.8</b> | <b>123,547</b> | <b>259.8</b> | <b>259,163</b> | <b>265.6</b> | <b>175,489</b> | <b>264.1</b> |
| 105 | Respiratory allergy <sup>c</sup>   | 843,779          | 185.2        | 274,999        | 194.6        | 187,675        | 182.9        | 84,923         | 178.5        | 175,370        | 179.7        | 120,812        | 181.8        |

|      |  |                  |              |                |              |                |              |                |              |                |              |                |              |
|------|--|------------------|--------------|----------------|--------------|----------------|--------------|----------------|--------------|----------------|--------------|----------------|--------------|
| 105A | Chronic lower respiratory diseases <sup>c</sup>  | 419,143          | 92.0         | 134,854        | 95.4         | 88,387         | 86.1         | 41,732         | 87.7         | 93,289         | 95.6         | 60,880         | 91.6         |
| 106  | Bronchitis, not specified as acute or chronic, simple and mucopurulent chronic bronchitis and unspecified chronic bronchitis | 12,837           | 2.8          | 3,950          | 2.8          | 2,642          | 2.6          | 1,216          | 2.6          | 3,532          | 3.6          | 1,497          | 2.3          |
| 107  | Emphysema  | 5,547            | 1.2          | 1,475          | 1.0          | 1,557          | 1.5          | 523            | 1.1          | 972            | 1.0          | 1,019          | 1.5          |
| 108  | Chronic obstructive lung disease (COPD) <sup>c</sup>   | 216,724          | 47.6         | 66,326         | 46.9         | 49,420         | 48.2         | 22,002         | 46.3         | 48,216         | 49.4         | 30,760         | 46.3         |
| 109  | Asthma, status asthmaticus <sup>c</sup>  | 361,502          | 79.4         | 110,250        | 78.0         | 81,603         | 79.5         | 38,571         | 81.1         | 78,429         | 80.4         | 52,649         | 79.2         |
| 110  | Bronchiectasis   | 4,402            | 1.0          | 1,128          | 0.8          | 1,628          | 1.6          | 499            | 1.0          | 504            | 0.5          | 643            | 1.0          |
| 111  | Other diseases of the respiratory system   | 22,104           | 4.9          | 7,004          | 5.0          | 4,834          | 4.7          | 1,647          | 3.5          | 5,499          | 5.6          | 3,120          | 4.7          |
|      | <b>K – Diseases of the digestive system</b>  | <b>330,894</b>   | <b>72.6</b>  | <b>100,693</b> | <b>71.3</b>  | <b>72,578</b>  | <b>70.7</b>  | <b>33,677</b>  | <b>70.8</b>  | <b>73,000</b>  | <b>74.8</b>  | <b>50,946</b>  | <b>76.7</b>  |
| 112  | Ulcers <sup>c</sup>  | 158,342          | 34.8         | 53,838         | 38.1         | 31,932         | 31.1         | 15,402         | 32.4         | 30,945         | 31.7         | 26,226         | 39.5         |
| 113  | Inguinal hernia  | 25,014           | 5.5          | 7,049          | 5.0          | 5,699          | 5.6          | 2,942          | 6.2          | 5,682          | 5.8          | 3,641          | 5.5          |
| 114  | Ventral hernia   | 7,953            | 1.7          | 2,134          | 1.5          | 1,829          | 1.8          | 906            | 1.9          | 1,845          | 1.9          | 1,239          | 1.9          |
| 115  | Crohn's disease  | 19,012           | 4.2          | 6,198          | 4.4          | 4,155          | 4.0          | 1,758          | 3.7          | 3,711          | 3.8          | 3,190          | 4.8          |
| 116  | Ulcerative colitis   | 29,552           | 6.5          | 8,201          | 5.8          | 7,134          | 7.0          | 2,812          | 5.9          | 6,788          | 7.0          | 4,616          | 6.9          |
| 117  | Other non-infective gastroenteritis and colitis  | 20,847           | 4.6          | 5,839          | 4.1          | 4,271          | 4.2          | 1,995          | 4.2          | 5,053          | 5.2          | 3,690          | 5.6          |
| 118  | Irritable bowel syndrome (IBS)   | 37,822           | 8.3          | 8,988          | 6.4          | 7,342          | 7.2          | 4,808          | 10.1         | 11,026         | 11.3         | 5,658          | 8.5          |
| 119  | Other functional intestinal disorders  | 52,273           | 11.5         | 13,687         | 9.7          | 15,532         | 15.1         | 4,796          | 10.1         | 12,321         | 12.6         | 5,938          | 8.9          |
| 120  | Diseases of liver, biliary tract and pancreas  | 27,133           | 6.0          | 9,397          | 6.7          | 5,390          | 5.3          | 2,294          | 4.8          | 5,686          | 5.8          | 4,367          | 6.6          |
|      | <b>L – Diseases of the skin and subcutaneous tissue</b>  | <b>65,862</b>    | <b>14.5</b>  | <b>23,014</b>  | <b>16.3</b>  | <b>15,014</b>  | <b>14.6</b>  | <b>5,974</b>   | <b>12.6</b>  | <b>12,746</b>  | <b>13.1</b>  | <b>9,114</b>   | <b>13.7</b>  |
| 121  | Psoriasis <sup>c</sup>   | 65,862           | 14.5         | 23,014         | 16.3         | 15,014         | 14.6         | 5,974          | 12.6         | 12,746         | 13.1         | 9,114          | 13.7         |
|      | <b>M – Diseases of the musculoskeletal system and connective tissue</b>  | <b>1,034,337</b> | <b>227.1</b> | <b>289,995</b> | <b>205.2</b> | <b>247,475</b> | <b>241.1</b> | <b>104,052</b> | <b>218.8</b> | <b>251,281</b> | <b>257.5</b> | <b>141,534</b> | <b>213.0</b> |
| 122  | Infectious arthropathies   | 9,418            | 2.1          | 3,132          | 2.2          | 2,034          | 2.0          | 917            | 1.9          | 1,994          | 2.0          | 1,340          | 2.0          |
| 122A | Inflammatory polyarthropathies and ankylosing spondylitis <sup>c</sup>   | 166,122          | 36.5         | 53,788         | 38.1         | 34,621         | 33.7         | 15,712         | 33.0         | 35,938         | 36.8         | 26,064         | 39.2         |
| 123  | Rheumatoid arthritis <sup>c</sup>  | 77,262           | 17.0         | 25,157         | 17.8         | 16,602         | 16.2         | 7,191          | 15.1         | 15,900         | 16.3         | 12,412         | 18.7         |
| 124  | Inflammatory polyarthropathies – except rheumatoid arthritis <sup>c</sup>  | 116,094          | 25.5         | 37,000         | 26.2         | 23,674         | 23.1         | 11,154         | 23.5         | 26,175         | 26.8         | 18,092         | 27.2         |
| 125  | Polyarthrosis [arthrosis]  | 17,065           | 3.7          | 5,164          | 3.7          | 4,494          | 4.4          | 1,182          | 2.5          | 4,238          | 4.3          | 1,987          | 3.0          |
| 126  | Coxarthrosis [arthrosis of hip]  | 103,546          | 22.7         | 30,927         | 21.9         | 23,242         | 22.6         | 10,435         | 21.9         | 23,470         | 24.1         | 15,473         | 23.3         |
| 127  | Gonarthrosis [arthrosis of knee]   | 179,292          | 39.4         | 53,673         | 38.0         | 40,460         | 39.4         | 20,873         | 43.9         | 39,052         | 40.0         | 25,235         | 38.0         |
| 128  | Arthrosis of first carpometacarpal joint and other arthrosis   | 91,578           | 20.1         | 27,501         | 19.5         | 22,567         | 22.0         | 7,981          | 16.8         | 21,470         | 22.0         | 12,059         | 18.1         |
| 129  | Acquired deformities of fingers and toes   | 55,827           | 12.3         | 14,983         | 10.6         | 14,056         | 13.7         | 4,372          | 9.2          | 14,168         | 14.5         | 8,250          | 12.4         |
| 130  | Other acquired deformities of limbs  | 20,601           | 4.5          | 4,195          | 3.0          | 6,179          | 6.0          | 2,055          | 4.3          | 6,038          | 6.2          | 2,134          | 3.2          |
| 131  | Disorders of patella (knee cap)  | 39,332           | 8.6          | 9,172          | 6.5          | 12,009         | 11.7         | 5,218          | 11.0         | 8,321          | 8.5          | 4,612          | 6.9          |
| 132  | Internal derangement of knee   | 9,141            | 2.0          | 3,733          | 2.6          | 1,362          | 1.3          | 683            | 1.4          | 2,031          | 2.1          | 1,332          | 2.0          |
| 133  | Derangement of meniscus due to old tear or   | 36,520           | 8.0          | 11,614         | 8.2          | 7,050          | 6.9          | 3,214          | 6.8          | 8,731          | 8.9          | 5,912          | 8.9          |

|     | injury   |         |      |        |      |        |      |        |      |        |      |        |      |
|-----|--|---------|------|--------|------|--------|------|--------|------|--------|------|--------|------|
| 134 | Internal derangement of knee, unspecified                                  | 28,382  | 6.2  | 6,767  | 4.8  | 8,270  | 8.1  | 2,181  | 4.6  | 7,940  | 8.1  | 3,224  | 4.9  |
| 135 | Other specific joint derangements  | 5,932   | 1.3  | 2,333  | 1.7  | 1,171  | 1.1  | 437    | 0.9  | 954    | 1.0  | 1,038  | 1.6  |
| 136 | Other joint disorders not classified elsewhere                             | 12,082  | 2.7  | 2,745  | 1.9  | 2,491  | 2.4  | 1,701  | 3.6  | 3,872  | 4.0  | 1,273  | 1.9  |
| 137 | Systemic connective tissue disorders                                       | 42,791  | 9.4  | 13,179 | 9.3  | 10,144 | 9.9  | 3,764  | 7.9  | 9,183  | 9.4  | 6,521  | 9.8  |
| 138 | Systemic lupus erythematosus   | 3,381   | 0.7  | 1,037  | 0.7  | 667    | 0.6  | 288    | 0.6  | 707    | 0.7  | 682    | 1.0  |
| 139 | Dermatopolymyositis  | 1,136   | 0.2  | 298    | 0.2  | 284    | 0.3  | 108    | 0.2  | 292    | 0.3  | 154    | 0.2  |
| 140 | Systemic sclerosis   | 1,678   | 0.4  | 444    | 0.3  | 480    | 0.5  | 165    | 0.3  | 336    | 0.3  | 253    | 0.4  |
| 141 | Kyphosis, lordosis   | 4,252   | 0.9  | 1,793  | 1.3  | 1,093  | 1.1  | 371    | 0.8  | 603    | 0.6  | 392    | 0.6  |
| 142 | Scoliosis  | 17,701  | 3.9  | 4,796  | 3.4  | 4,847  | 4.7  | 1,929  | 4.1  | 4,077  | 4.2  | 2,054  | 3.1  |
| 143 | Spinal osteochondrosis   | 8,105   | 1.8  | 2,654  | 1.9  | 1,850  | 1.8  | 771    | 1.6  | 1,617  | 1.7  | 1,213  | 1.8  |
| 144 | Other deforming dorsopathies   | 23,939  | 5.3  | 7,100  | 5.0  | 6,090  | 5.9  | 2,013  | 4.2  | 5,680  | 5.8  | 3,057  | 4.6  |
| 145 | Other inflammatory spondylopathies   | 7,112   | 1.6  | 1,758  | 1.2  | 1,894  | 1.8  | 713    | 1.5  | 1,773  | 1.8  | 974    | 1.5  |
| 146 | Spondylosis  | 62,116  | 13.6 | 18,008 | 12.7 | 12,446 | 12.1 | 7,784  | 16.4 | 16,453 | 16.9 | 7,425  | 11.2 |
| 147 | Other spondylopathies and spondylopathies in diseases classified elsewhere | 51,160  | 11.2 | 18,096 | 12.8 | 10,711 | 10.4 | 2,974  | 6.3  | 11,861 | 12.2 | 7,518  | 11.3 |
| 148 | Cervical disc disorders  | 11,483  | 2.5  | 2,947  | 2.1  | 2,797  | 2.7  | 820    | 1.7  | 3,490  | 3.6  | 1,430  | 2.2  |
| 149 | Other intervertebral disc disorders  | 40,324  | 8.9  | 10,139 | 7.2  | 9,615  | 9.4  | 3,156  | 6.6  | 12,431 | 12.7 | 4,982  | 7.5  |
| 150 | Other dorsopathies, not classified elsewhere                               | 7,296   | 1.6  | 1,049  | 0.7  | 2,724  | 2.7  | 568    | 1.2  | 2,452  | 2.5  | 503    | 0.8  |
| 151 | Dorsalgia  | 41,051  | 9.0  | 12,096 | 8.6  | 7,384  | 7.2  | 4,862  | 10.2 | 11,322 | 11.6 | 5,389  | 8.1  |
| 152 | Soft tissue disorders  | 13,534  | 3.0  | 3,746  | 2.7  | 2,519  | 2.5  | 1,131  | 2.4  | 3,974  | 4.1  | 2,164  | 3.3  |
| 153 | Synovitis and tenosynovitis  | 19,148  | 4.2  | 4,402  | 3.1  | 5,547  | 5.4  | 1,766  | 3.7  | 4,483  | 4.6  | 2,950  | 4.4  |
| 154 | Disorders of synovium and tendon   | 19,708  | 4.3  | 5,067  | 3.6  | 5,732  | 5.6  | 2,057  | 4.3  | 4,298  | 4.4  | 2,553  | 3.8  |
| 155 | Soft tissue disorders related to use, overuse and pressure                 | 11,102  | 2.4  | 1,672  | 1.2  | 4,714  | 4.6  | 1,259  | 2.6  | 2,431  | 2.5  | 1,026  | 1.5  |
| 156 | Fibroblastic disorders   | 43,600  | 9.6  | 11,032 | 7.8  | 12,697 | 12.4 | 3,906  | 8.2  | 10,217 | 10.5 | 5,749  | 8.7  |
| 157 | Shoulder lesions   | 58,073  | 12.7 | 11,747 | 8.3  | 16,017 | 15.6 | 6,008  | 12.6 | 16,493 | 16.9 | 7,808  | 11.7 |
| 158 | Enthesopathies of lower limb, excluding foot                               | 11,197  | 2.5  | 3,458  | 2.4  | 2,633  | 2.6  | 1,032  | 2.2  | 2,885  | 3.0  | 1,189  | 1.8  |
| 159 | Other enthesopathies   | 10,508  | 2.3  | 3,288  | 2.3  | 2,382  | 2.3  | 972    | 2.0  | 2,701  | 2.8  | 1,165  | 1.8  |
| 160 | Rheumatism, unspecified  | 6,885   | 1.5  | 2,620  | 1.9  | 880    | 0.9  | 597    | 1.3  | 1,252  | 1.3  | 1,536  | 2.3  |
| 161 | Myalgia  | 10,217  | 2.2  | 3,031  | 2.1  | 2,118  | 2.1  | 867    | 1.8  | 2,265  | 2.3  | 1,935  | 2.9  |
| 162 | Other soft tissue disorders not classified elsewhere                       | 7,959   | 1.7  | 1,635  | 1.2  | 3,038  | 3.0  | 616    | 1.3  | 1,842  | 1.9  | 828    | 1.2  |
| 163 | Other soft tissue disorders not classified elsewhere: pain in limb         | 22,259  | 4.9  | 5,336  | 3.8  | 4,355  | 4.2  | 2,036  | 4.3  | 7,987  | 8.2  | 2,544  | 3.8  |
| 164 | Fibromyalgia   | 3,411   | 0.7  | 1,371  | 1.0  | 435    | 0.4  | 232    | 0.5  | 464    | 0.5  | 908    | 1.4  |
| 165 | Osteoporosis <sup>c</sup>  | 158,613 | 34.8 | 43,656 | 30.9 | 37,984 | 37.0 | 14,967 | 31.5 | 46,853 | 48.0 | 15,153 | 22.8 |
| 166 | Osteoporosis in diseases classified elsewhere                              | 970     | 0.2  | 149    | 0.1  | 95     | 0.1  | 77     | 0.2  | 310    | 0.3  | 339    | 0.5  |
| 167 | Adult osteomalacia and other disorders of bone density and structure       | 43,110  | 9.5  | 3,864  | 2.7  | 15,874 | 15.5 | 5,788  | 12.2 | 13,470 | 13.8 | 4,114  | 6.2  |

|     |   |                |              |                |              |                |              |               |              |                |              |               |              |
|-----|---|----------------|--------------|----------------|--------------|----------------|--------------|---------------|--------------|----------------|--------------|---------------|--------------|
| 168 | Disorders of continuity of bone   | 1,874          | 0.4          | 623            | 0.4          | 362            | 0.4          | 286           | 0.6          | 302            | 0.3          | 301           | 0.5          |
| 169 | Other osteopathies  | 23,933         | 5.3          | 4,669          | 3.3          | 3,922          | 3.8          | 1,433         | 3.0          | 11,476         | 11.8         | 2,434         | 3.7          |
| 170 | Other disorders of the musculoskeletal system and connective tissue   | 29,935         | 6.6          | 7,758          | 5.5          | 6,133          | 6.0          | 2,222         | 4.7          | 8,507          | 8.7          | 5,314         | 8.0          |
|     | <b>N – Diseases of the genitourinary system</b>   | <b>20,288</b>  | <b>4.5</b>   | <b>5,575</b>   | <b>3.9</b>   | <b>6,341</b>   | <b>6.2</b>   | <b>1,881</b>  | <b>4.0</b>   | <b>4,097</b>   | <b>4.2</b>   | <b>2,394</b>  | <b>3.6</b>   |
| 171 | Chronic renal failure (CRF) °   | 20,288         | 4.5          | 5,575          | 3.9          | 6,341          | 6.2          | 1,881         | 4.0          | 4,097          | 4.2          | 2,394         | 3.6          |
|     | <b>Q – Congenital malformations, deformations and chromosomal abnormalities</b>   | <b>125,474</b> | <b>27.5</b>  | <b>37,408</b>  | <b>26.5</b>  | <b>28,375</b>  | <b>27.6</b>  | <b>13,734</b> | <b>28.9</b>  | <b>27,645</b>  | <b>28.3</b>  | <b>18,311</b> | <b>27.6</b>  |
| 172 | Congenital malformations: of the nervous, circulatory and respiratory systems, cleft palate and cleft lip, urinary tract, bones and muscles, other and chromosomal abnormalities not classified elsewhere | 85,936         | 18.9         | 24,388         | 17.3         | 20,306         | 19.8         | 8,916         | 18.7         | 19,895         | 20.4         | 12,432        | 18.7         |
| 173 | Congenital malformations of eye, ear, face and neck   | 19,809         | 4.3          | 6,631          | 4.7          | 3,825          | 3.7          | 2,357         | 5.0          | 3,820          | 3.9          | 3,175         | 4.8          |
| 174 | Other congenital malformations of the digestive system  | 6,547          | 1.4          | 2,352          | 1.7          | 1,199          | 1.2          | 903           | 1.9          | 1,197          | 1.2          | 896           | 1.3          |
| 175 | Congenital malformations of the sexual organs   | 16,206         | 3.6          | 4,953          | 3.5          | 3,677          | 3.6          | 1,985         | 4.2          | 3,331          | 3.4          | 2,260         | 3.4          |
|     | <b>F – Mental and behavioural disorders</b>   | <b>686,616</b> | <b>150.7</b> | <b>201,726</b> | <b>142.8</b> | <b>157,826</b> | <b>153.8</b> | <b>67,032</b> | <b>140.9</b> | <b>160,240</b> | <b>164.2</b> | <b>99,791</b> | <b>150.2</b> |
| 176 | Dementia °  | 37,022         | 8.1          | 12,687         | 9.0          | 7,414          | 7.2          | 3,169         | 6.7          | 8,943          | 9.2          | 4,809         | 7.2          |
| 177 | Organic, including symptomatic, mental disorders  | 26,792         | 5.9          | 8,801          | 6.2          | 6,139          | 6.0          | 2,304         | 4.8          | 6,096          | 6.2          | 3,451         | 5.2          |
| 178 | Mental and behavioural disorders due to use of alcohol  | 59,965         | 13.2         | 21,877         | 15.5         | 11,800         | 11.5         | 5,030         | 10.6         | 12,402         | 12.7         | 8,857         | 13.3         |
| 179 | Mental and behavioural disorders due to use of psychoactive substances  | 54,428         | 11.9         | 21,498         | 15.2         | 5,786          | 5.6          | 5,674         | 11.9         | 16,081         | 16.5         | 5,388         | 8.1          |
| 180 | Schizophrenia °   | 29,763         | 6.5          | 11,189         | 7.9          | 5,954          | 5.8          | 2,501         | 5.3          | 5,983          | 6.1          | 4,135         | 6.2          |
| 181 | Schizotypal and delusional disorders  | 39,979         | 8.8          | 15,994         | 11.3         | 7,014          | 6.8          | 2,963         | 6.2          | 8,243          | 8.4          | 5,765         | 8.7          |
| 182 | Bipolar affective disorder °  | 22,763         | 5.0          | 7,215          | 5.1          | 5,998          | 5.8          | 1,792         | 3.8          | 4,730          | 4.8          | 3,028         | 4.6          |
| 183 | Depression °  | 456,529        | 100.2        | 119,538        | 84.6         | 116,812        | 113.8        | 46,429        | 97.6         | 108,337        | 111.0        | 65,412        | 98.4         |
| 184 | Mood (affective) disorders  | 6,920          | 1.5          | 2,154          | 1.5          | 1,436          | 1.4          | 646           | 1.4          | 1,447          | 1.5          | 1,237         | 1.9          |
| 185 | Phobic anxiety disorders  | 14,481         | 3.2          | 4,434          | 3.1          | 3,752          | 3.7          | 1,062         | 2.2          | 3,454          | 3.5          | 1,780         | 2.7          |
| 186 | Other anxiety disorders   | 38,270         | 8.4          | 14,053         | 9.9          | 7,008          | 6.8          | 2,609         | 5.5          | 8,283          | 8.5          | 6,317         | 9.5          |
| 187 | Obsessive compulsive disorder (OCD) °   | 10,089         | 2.2          | 3,326          | 2.4          | 2,443          | 2.4          | 855           | 1.8          | 1,994          | 2.0          | 1,472         | 2.2          |
| 188 | Post-traumatic stress disorder  | 16,201         | 3.6          | 4,722          | 3.3          | 4,110          | 4.0          | 1,242         | 2.6          | 3,491          | 3.6          | 2,636         | 4.0          |
| 189 | Reactions to severe stress and adjustment disorders   | 62,274         | 13.7         | 18,318         | 13.0         | 10,845         | 10.6         | 4,337         | 9.1          | 16,878         | 17.3         | 11,896        | 17.9         |
| 190 | Dissociative (conversion) disorders, somatoform disorders and other neurotic disorders  | 21,617         | 4.7          | 8,201          | 5.8          | 4,501          | 4.4          | 1,656         | 3.5          | 4,145          | 4.2          | 3,114         | 4.7          |
| 191 | Eating disorders  | 7,643          | 1.7          | 2,951          | 2.1          | 1,567          | 1.5          | 585           | 1.2          | 1,626          | 1.7          | 914           | 1.4          |
| 192 | Behavioural syndromes associated with physiological disturbances and physical factors   | 6,110          | 1.3          | 2,720          | 1.9          | 992            | 1.0          | 482           | 1.0          | 894            | 0.9          | 1,022         | 1.5          |
| 193 | Emotionally unstable personality disorder   | 22,134         | 4.9          | 6,722          | 4.8          | 4,053          | 3.9          | 2,014         | 4.2          | 5,232          | 5.4          | 4,114         | 6.2          |



|     |   |                  |              |                |              |                |              |                |              |                |              |                |              |
|-----|---|------------------|--------------|----------------|--------------|----------------|--------------|----------------|--------------|----------------|--------------|----------------|--------------|
| 194 | Specific personality disorders  | 50,903           | 11.2         | 15,792         | 11.2         | 10,029         | 9.8          | 4,834          | 10.2         | 12,207         | 12.5         | 8,042          | 12.1         |
| 195 | Disorders of adult personality and behaviour  | 17,727           | 3.9          | 5,043          | 3.6          | 4,454          | 4.3          | 2,021          | 4.2          | 4,088          | 4.2          | 2,121          | 3.2          |
| 196 | Mental retardation  | 13,908           | 3.1          | 3,897          | 2.8          | 2,935          | 2.9          | 1,381          | 2.9          | 3,642          | 3.7          | 2,053          | 3.1          |
| 197 | Disorders of psychological development  | 10,020           | 2.2          | 2,744          | 1.9          | 2,863          | 2.8          | 1,140          | 2.4          | 1,793          | 1.8          | 1,479          | 2.2          |
| 198 | Hyperkinetic disorders (ADHD) <sup>c</sup>  | 43,326           | 9.5          | 11,313         | 8.0          | 13,334         | 13.0         | 4,645          | 9.8          | 6,976          | 7.1          | 7,057          | 10.6         |
| 199 | Behavioural and emotional disorders with onset usually occurring in childhood and adolescence | 39,990           | 8.8          | 14,764         | 10.4         | 5,228          | 5.1          | 4,832          | 10.2         | 9,794          | 10.0         | 5,372          | 8.1          |
|     | <b>Having one or more chronic conditions</b>  | <b>2,993,677</b> | <b>657.2</b> | <b>902,043</b> | <b>638.4</b> | <b>680,603</b> | <b>663.1</b> | <b>312,637</b> | <b>657.3</b> | <b>660,694</b> | <b>677.1</b> | <b>437,701</b> | <b>658.6</b> |
|     |   |                  |              |                |              |                |              |                |              |                |              |                |              |
|     | Depression medicine <sup>c</sup> **   | 531,816          | 116.7        | 145,284        | 102.8        | 131,236        | 127.9        | 54,446         | 114.5        | 124,745        | 127.8        | 76,105         | 114.5        |
|     | Antipsychotic medicine <sup>c</sup> **  | 139,396          | 30.6         | 39,759         | 28.1         | 30,059         | 29.3         | 14,074         | 29.6         | 34,076         | 34.9         | 21,428         | 32.2         |
|     | Indication prescribed anxiety medicine <sup>c</sup> **  | 103,081          | 22.6         | 29,210         | 20.7         | 25,062         | 24.4         | 11,030         | 23.2         | 21,944         | 22.5         | 15,834         | 23.8         |
|     | Heart failure medication <sup>c</sup> **  | 7,571            | 1.7          | 2,725          | 1.9          | 1,877          | 1.8          | 642            | 1.3          | 1,179          | 1.2          | 1,148          | 1.7          |
|     | Ischaemic heart medication <sup>c</sup> **  | 129,708          | 28.5         | 38,486         | 27.2         | 32,378         | 31.5         | 13,448         | 28.3         | 26,532         | 27.2         | 18,865         | 28.4         |
|     | <b>All of the five types of medicine above</b>  | <b>690,456</b>   | <b>151.6</b> | <b>194,511</b> | <b>137.7</b> | <b>166,757</b> | <b>162.5</b> | <b>70,836</b>  | <b>148.9</b> | <b>157,917</b> | <b>161.8</b> | <b>100,435</b> | <b>151.1</b> |
|     |   |                  |              |                |              |                |              |                |              |                |              |                |              |
|     | Others: arthrosis combined (M15-M19)  | 338,465          | 74.3         | 99,856         | 70.7         | 79,043         | 77.0         | 35,706         | 75.1         | 76,223         | 78.1         | 47,637         | 71.7         |
|     | Others: overweight (E86)  | 224,806          | 49.3         | 56,875         | 40.2         | 47,436         | 46.2         | 24,033         | 50.5         | 54,813         | 56.2         | 41,649         | 62.7         |

<sup>c</sup> complex defined condition, see reference for further details [1]. \*\* 2-year prevalence. Note that the region is the origin of the patients' home resident region. Conditions marked 'A' overlap with other conditions and are thus not counted twice [1].

## Supplementary Material 5: Regional differences not standardised – for all 199 conditions

Table 7. N and prevalence of conditions and medicine for Denmark and the five regions – at 1 January 2013

| Nr | Condition   | Denmark        |                     | Capital Region of Denmark |                     | Central Denmark Region |                     | North Denmark Region |                     | Region of Southern Denmark |                     | Zealand Region |                     |
|----|---|----------------|---------------------|---------------------------|---------------------|------------------------|---------------------|----------------------|---------------------|----------------------------|---------------------|----------------|---------------------|
|    |   | <i>N</i>       | <i>Per thousand</i> | <i>N</i>                  | <i>Per thousand</i> | <i>N</i>               | <i>Per thousand</i> | <i>N</i>             | <i>Per thousand</i> | <i>N</i>                   | <i>Per thousand</i> | <i>N</i>       | <i>Per thousand</i> |
|    | <b>B – Viral hepatitis and human immunodeficiency virus [HIV] disease</b>   | <b>8,813</b>   | <b>1.9</b>          | <b>4,044</b>              | <b>2.9</b>          | <b>1,862</b>           | <b>1.8</b>          | <b>485</b>           | <b>1.0</b>          | <b>1,465</b>               | <b>1.5</b>          | <b>957</b>     | <b>1.4</b>          |
| 1  | Chronic viral hepatitis   | 4,584          | 1.0                 | 1,633                     | 1.2                 | 1,263                  | 1.2                 | 286                  | 0.6                 | 944                        | 1.0                 | 458            | 0.7                 |
| 2  | Human immunodeficiency virus [HIV] disease  | 4,229          | 0.9                 | 2,411                     | 1.7                 | 599                    | 0.6                 | 199                  | 0.4                 | 521                        | 0.5                 | 499            | 0.8                 |
|    | <b>C – Malignant neoplasms</b>  | <b>229,331</b> | <b>50.3</b>         | <b>69,152</b>             | <b>48.9</b>         | <b>50,351</b>          | <b>49.1</b>         | <b>22,541</b>        | <b>47.4</b>         | <b>49,606</b>              | <b>50.8</b>         | <b>37,681</b>  | <b>56.7</b>         |
| 3  | Malignant neoplasms of other and unspecified localisations  | 20,557         | 4.5                 | 7,605                     | 5.4                 | 4,132                  | 4.0                 | 2,123                | 4.5                 | 3,312                      | 3.4                 | 3,385          | 5.1                 |
| 4  | Malignant neoplasms of digestive organs   | 4,839          | 1.1                 | 1,586                     | 1.1                 | 975                    | 0.9                 | 469                  | 1.0                 | 981                        | 1.0                 | 828            | 1.2                 |
| 5  | Malignant neoplasm of colon   | 18,826         | 4.1                 | 6,007                     | 4.3                 | 3,634                  | 3.5                 | 1,916                | 4.0                 | 3,909                      | 4.0                 | 3,360          | 5.1                 |
| 6  | Malignant neoplasms of rectosigmoid junction, rectum, anus and anal canal   | 10,680         | 2.3                 | 3,035                     | 2.1                 | 2,202                  | 2.1                 | 1,246                | 2.6                 | 2,361                      | 2.4                 | 1,836          | 2.8                 |
| 7  | Malignant neoplasm of bronchus and lung   | 14,762         | 3.2                 | 2,942                     | 2.1                 | 5,425                  | 5.3                 | 1,140                | 2.4                 | 3,248                      | 3.3                 | 2,007          | 3.0                 |
| 8  | Malignant melanoma of skin  | 19,636         | 4.3                 | 7,128                     | 5.0                 | 3,373                  | 3.3                 | 1,437                | 3.0                 | 4,355                      | 4.5                 | 3,343          | 5.0                 |
| 9  | Other malignant neoplasms of skin   | 15,597         | 3.4                 | 4,702                     | 3.3                 | 3,318                  | 3.2                 | 983                  | 2.1                 | 4,241                      | 4.3                 | 2,353          | 3.5                 |
| 10 | Malignant neoplasm of breast  | 50,687         | 11.1                | 15,642                    | 11.1                | 10,933                 | 10.7                | 4,891                | 10.3                | 11,692                     | 12.0                | 7,529          | 11.3                |
| 11 | Malignant neoplasms of female genital organs  | 7,245          | 1.6                 | 2,114                     | 1.5                 | 1,159                  | 1.1                 | 655                  | 1.4                 | 1,366                      | 1.4                 | 1,951          | 2.9                 |
| 12 | Malignant neoplasm of cervix uteri, corpus uteri and part unspecified   | 11,608         | 2.5                 | 3,285                     | 2.3                 | 2,159                  | 2.1                 | 1,233                | 2.6                 | 2,372                      | 2.4                 | 2,559          | 3.9                 |
| 13 | Malignant tumour of male genitalia  | 5,194          | 1.1                 | 1,689                     | 1.2                 | 1,114                  | 1.1                 | 520                  | 1.1                 | 1,067                      | 1.1                 | 804            | 1.2                 |
| 14 | Malignant neoplasm of prostate  | 26,697         | 5.9                 | 7,432                     | 5.3                 | 5,639                  | 5.5                 | 3,470                | 7.3                 | 5,703                      | 5.8                 | 4,453          | 6.7                 |
| 15 | Malignant neoplasms of urinary tract  | 10,319         | 2.3                 | 2,657                     | 1.9                 | 2,309                  | 2.2                 | 1,340                | 2.8                 | 2,262                      | 2.3                 | 1,751          | 2.6                 |
| 16 | Brain cancer <sup>c</sup>   | 15,310         | 3.4                 | 4,942                     | 3.5                 | 3,097                  | 3.0                 | 1,593                | 3.3                 | 2,803                      | 2.9                 | 2,875          | 4.3                 |
| 17 | Malignant neoplasms of ill-defined, secondary and unspecified sites, and of independent (primary) multiple sites  | 25,619         | 5.6                 | 5,730                     | 4.1                 | 9,042                  | 8.8                 | 2,603                | 5.5                 | 5,033                      | 5.2                 | 3,211          | 4.8                 |
| 18 | Malignant neoplasms, stated or presumed to be primary, of lymphoid, haematopoietic and related tissue   | 19,712         | 4.3                 | 5,828                     | 4.1                 | 4,340                  | 4.2                 | 1,821                | 3.8                 | 4,778                      | 4.9                 | 2,945          | 4.4                 |
|    | <b>D – In situ and benign neoplasms, and neoplasms of uncertain or unknown behaviour and diseases of the blood and blood-forming organs and certain disorders</b> | <b>116,560</b> | <b>25.6</b>         | <b>33,869</b>             | <b>24.0</b>         | <b>28,543</b>          | <b>27.8</b>         | <b>10,816</b>        | <b>22.7</b>         | <b>25,252</b>              | <b>25.9</b>         | <b>18,080</b>  | <b>27.2</b>         |

|    |  |                |              |                |              |                |              |               |              |                |              |                |              |
|----|--|----------------|--------------|----------------|--------------|----------------|--------------|---------------|--------------|----------------|--------------|----------------|--------------|
|    | <b>involving the immune mechanism</b>  |                |              |                |              |                |              |               |              |                |              |                |              |
| 19 | In situ neoplasms  | 19,810         | 4.3          | 6,050          | 4.3          | 3,809          | 3.7          | 2,117         | 4.5          | 4,698          | 4.8          | 3,136          | 4.7          |
| 20 | Haemolytic anaemias  | 3,055          | 0.7          | 1,095          | 0.8          | 725            | 0.7          | 239           | 0.5          | 609            | 0.6          | 387            | 0.6          |
| 21 | Aplastic and other anaemias  | 14,918         | 3.3          | 5,121          | 3.6          | 2,898          | 2.8          | 1,543         | 3.2          | 2,704          | 2.8          | 2,652          | 4.0          |
| 22 | Other anaemias   | 46,613         | 10.2         | 12,889         | 9.1          | 10,509         | 10.2         | 4,458         | 9.4          | 11,057         | 11.3         | 7,700          | 11.6         |
| 23 | Coagulation defects, purpura and other haemorrhagic conditions   | 25,376         | 5.6          | 6,958          | 4.9          | 8,745          | 8.5          | 1,734         | 3.6          | 4,364          | 4.5          | 3,575          | 5.4          |
| 24 | Other diseases of blood and blood-forming organs   | 8,896          | 2.0          | 2,656          | 1.9          | 2,118          | 2.1          | 729           | 1.5          | 2,022          | 2.1          | 1,371          | 2.1          |
| 25 | Certain disorders involving the immune mechanism   | 7,660          | 1.7          | 2,049          | 1.5          | 1,835          | 1.8          | 900           | 1.9          | 1,765          | 1.8          | 1,111          | 1.7          |
|    | <b>E – Endocrine, nutritional and metabolic diseases</b>   | <b>877,433</b> | <b>192.6</b> | <b>239,987</b> | <b>169.8</b> | <b>198,343</b> | <b>193.3</b> | <b>99,109</b> | <b>208.4</b> | <b>203,465</b> | <b>208.5</b> | <b>136,529</b> | <b>205.4</b> |
| 26 | Diseases of the thyroid °  | 131,908        | 29.0         | 40,033         | 28.3         | 27,603         | 26.9         | 11,705        | 24.6         | 29,898         | 30.6         | 22,669         | 34.1         |
| 27 | Thyrotoxicosis °   | 41,374         | 9.1          | 11,122         | 7.9          | 9,603          | 9.4          | 5,867         | 12.3         | 10,023         | 10.3         | 4,759          | 7.2          |
| 28 | Diabetes type 1 °  | 23,062         | 5.1          | 6,493          | 4.6          | 5,484          | 5.3          | 2,487         | 5.2          | 5,289          | 5.4          | 3,309          | 5.0          |
| 29 | Diabetes type 2 °  | 242,177        | 53.2         | 65,552         | 46.4         | 54,087         | 52.7         | 26,462        | 55.6         | 57,200         | 58.6         | 38,876         | 58.5         |
| 30 | Diabetes others °  | 1,117          | 0.2          | 328            | 0.2          | 224            | 0.2          | 90            | 0.2          | 320            | 0.3          | 155            | 0.2          |
| 31 | Disorders of other endocrine glands  | 28,650         | 6.3          | 8,314          | 5.9          | 7,847          | 7.6          | 2,035         | 4.3          | 6,974          | 7.1          | 3,480          | 5.2          |
| 32 | Metabolic disorders  | 23,690         | 5.2          | 6,904          | 4.9          | 5,973          | 5.8          | 1,920         | 4.0          | 5,565          | 5.7          | 3,328          | 5.0          |
| 33 | Disturbances in lipoprotein circulation and other lipids °   | 652,242        | 143.2        | 171,435        | 121.3        | 150,276        | 146.4        | 77,816        | 163.6        | 151,740        | 155.5        | 100,975        | 151.9        |
| 34 | Cystic fibrosis °  | 947            | 0.2          | 493            | 0.3          | 121            | 0.1          | 57            | 0.1          | 126            | 0.1          | 150            | 0.2          |
|    | <b>G – Diseases of the nervous system</b>  | <b>561,054</b> | <b>123.2</b> | <b>153,150</b> | <b>108.4</b> | <b>131,330</b> | <b>128.0</b> | <b>56,245</b> | <b>118.3</b> | <b>131,490</b> | <b>134.7</b> | <b>88,839</b>  | <b>133.7</b> |
| 35 | Inflammatory diseases of the central nervous system  | 7,642          | 1.7          | 2,432          | 1.7          | 1,721          | 1.7          | 666           | 1.4          | 1,677          | 1.7          | 1,146          | 1.7          |
| 36 | Systemic atrophies primarily affecting the central nervous system and other degenerative diseases                      | 10,401         | 2.3          | 4,189          | 3.0          | 1,688          | 1.6          | 610           | 1.3          | 1,853          | 1.9          | 2,061          | 3.1          |
| 37 | Parkinson's disease °  | 57,583         | 12.6         | 14,650         | 10.4         | 13,320         | 13.0         | 6,874         | 14.5         | 14,197         | 14.5         | 8,542          | 12.9         |
| 38 | Extrapyramidal and movement disorders  | 10,837         | 2.4          | 3,143          | 2.2          | 2,902          | 2.8          | 962           | 2.0          | 2,393          | 2.5          | 1,437          | 2.2          |
| 39 | Sclerosis  | 13,284         | 2.9          | 3,882          | 2.7          | 3,024          | 2.9          | 1,201         | 2.5          | 3,059          | 3.1          | 2,118          | 3.2          |
| 40 | Demyelinating diseases of the central nervous system   | 4,571          | 1.0          | 1,168          | 0.8          | 1,000          | 1.0          | 514           | 1.1          | 1,060          | 1.1          | 829            | 1.2          |
| 41 | Epilepsy °   | 61,695         | 13.5         | 15,995         | 11.3         | 15,637         | 15.2         | 6,399         | 13.5         | 14,133         | 14.5         | 9,531          | 14.3         |
| 42 | Migraine °   | 149,866        | 32.9         | 44,497         | 31.5         | 32,727         | 31.9         | 15,416        | 32.4         | 33,362         | 34.2         | 23,864         | 35.9         |
| 43 | Other headache syndromes   | 16,469         | 3.6          | 5,914          | 4.2          | 3,279          | 3.2          | 1,216         | 2.6          | 3,858          | 4.0          | 2,202          | 3.3          |
| 44 | Transient cerebral ischaemic attacks and related syndromes and vascular syndromes of brain in cerebrovascular diseases | 43,977         | 9.7          | 11,843         | 8.4          | 10,192         | 9.9          | 5,230         | 11.0         | 9,949          | 10.2         | 6,763          | 10.2         |
| 45 | Sleep disorders  | 36,806         | 8.1          | 10,314         | 7.3          | 9,134          | 8.9          | 4,128         | 8.7          | 7,564          | 7.8          | 5,666          | 8.5          |
| 46 | Disorders of trigeminal nerve and facial nerve disorders   | 21,488         | 4.7          | 6,721          | 4.8          | 4,412          | 4.3          | 1,812         | 3.8          | 5,347          | 5.5          | 3,196          | 4.8          |

|    |  |                |             |                |             |               |             |               |              |                |              |               |             |
|----|--|----------------|-------------|----------------|-------------|---------------|-------------|---------------|--------------|----------------|--------------|---------------|-------------|
| 47 | Disorders of other cranial nerves, cranial nerve disorders in diseases classified elsewhere, nerve root and plexus disorders and nerve root and plexus compressions in diseases classified elsewhere | 12,429         | 2.7         | 3,674          | 2.6         | 2,589         | 2.5         | 938           | 2.0          | 3,622          | 3.7          | 1,606         | 2.4         |
| 48 | Mononeuropathies of upper limb   | 122,395        | 26.9        | 25,143         | 17.8        | 34,452        | 33.6        | 12,217        | 25.7         | 34,264         | 35.1         | 16,319        | 24.6        |
| 49 | Mononeuropathies of lower limb, other mononeuropathies and mononeuropathy in diseases classified elsewhere   | 18,627         | 4.1         | 4,388          | 3.1         | 5,039         | 4.9         | 1,593         | 3.3          | 5,220          | 5.3          | 2,387         | 3.6         |
| 50 | Polyneuropathies and other disorders of the peripheral nervous system  | 30,289         | 6.6         | 8,420          | 6.0         | 7,824         | 7.6         | 2,589         | 5.4          | 8,023          | 8.2          | 3,433         | 5.2         |
| 51 | Diseases of myoneural junction and muscle  | 5,758          | 1.3         | 1,819          | 1.3         | 1,295         | 1.3         | 551           | 1.2          | 1,191          | 1.2          | 902           | 1.4         |
| 52 | Cerebral palsy and other paralytic syndromes   | 14,410         | 3.2         | 3,883          | 2.7         | 3,459         | 3.4         | 1,392         | 2.9          | 3,224          | 3.3          | 2,452         | 3.7         |
| 53 | Other disorders of the nervous system  | 44,394         | 9.7         | 13,980         | 9.9         | 5,367         | 5.2         | 2,311         | 4.9          | 6,868          | 7.0          | 15,868        | 23.9        |
|    | <b>H – Diseases of the eye and adnexa and diseases of the ear and mastoid process</b>  | <b>448,176</b> | <b>98.4</b> | <b>133,445</b> | <b>94.4</b> | <b>98,443</b> | <b>95.9</b> | <b>48,753</b> | <b>102.5</b> | <b>101,774</b> | <b>104.3</b> | <b>65,761</b> | <b>99.0</b> |
| 54 | Disorders of eyelid, lacrimal system and orbit   | 13,191         | 2.9         | 3,212          | 2.3         | 3,177         | 3.1         | 1,863         | 3.9          | 3,611          | 3.7          | 1,328         | 2.0         |
| 55 | Corneal scars and opacities  | 2,173          | 0.5         | 313            | 0.2         | 792           | 0.8         | 319           | 0.7          | 499            | 0.5          | 250           | 0.4         |
| 56 | Other disorders of cornea  | 9,473          | 2.1         | 2,165          | 1.5         | 3,266         | 3.2         | 1,141         | 2.4          | 1,836          | 1.9          | 1,065         | 1.6         |
| 57 | Diseases of the eye lens (cataracts)   | 68,009         | 14.9        | 21,699         | 15.4        | 15,846        | 15.4        | 6,126         | 12.9         | 14,965         | 15.3         | 9,373         | 14.1        |
| 58 | Disorders of the choroid and retina  | 1,900          | 0.4         | 515            | 0.4         | 336           | 0.3         | 266           | 0.6          | 477            | 0.5          | 306           | 0.5         |
| 59 | Retinal vascular occlusions  | 10,358         | 2.3         | 3,142          | 2.2         | 2,276         | 2.2         | 1,019         | 2.1          | 2,348          | 2.4          | 1,573         | 2.4         |
| 60 | Other retinal disorders  | 68,485         | 15.0        | 20,538         | 14.5        | 15,650        | 15.2        | 6,883         | 14.5         | 15,236         | 15.6         | 10,178        | 15.3        |
| 61 | Retinal disorders in diseases classified elsewhere   | 19,279         | 4.2         | 2,925          | 2.1         | 8,990         | 8.8         | 1,368         | 2.9          | 3,277          | 3.4          | 2,719         | 4.1         |
| 62 | Glaucoma <sup>c</sup>  | 67,310         | 14.8        | 19,617         | 13.9        | 17,335        | 16.9        | 7,102         | 14.9         | 14,078         | 14.4         | 9,178         | 13.8        |
| 63 | Disorders of the vitreous body and globe   | 7,572          | 1.7         | 2,080          | 1.5         | 2,108         | 2.1         | 1,149         | 2.4          | 1,443          | 1.5          | 792           | 1.2         |
| 64 | Disorders of optic nerve and visual pathways   | 6,184          | 1.4         | 1,982          | 1.4         | 1,215         | 1.2         | 789           | 1.7          | 1,320          | 1.4          | 878           | 1.3         |
| 65 | Disorders of ocular muscles, binocular movement, accommodation and refraction  | 18,247         | 4.0         | 6,267          | 4.4         | 3,699         | 3.6         | 2,289         | 4.8          | 3,433          | 3.5          | 2,559         | 3.9         |
| 66 | Visual disturbances  | 22,232         | 4.9         | 5,504          | 3.9         | 5,474         | 5.3         | 3,848         | 8.1          | 4,656          | 4.8          | 2,750         | 4.1         |
| 67 | Blindness and partial sight  | 6,614          | 1.5         | 2,553          | 1.8         | 1,164         | 1.1         | 680           | 1.4          | 1,281          | 1.3          | 936           | 1.4         |
| 68 | Nystagmus and other irregular eye movements and other disorders of eye and adnexa  | 11,133         | 2.4         | 6,120          | 4.3         | 1,782         | 1.7         | 884           | 1.9          | 1,311          | 1.3          | 1,036         | 1.6         |
| 69 | Otosclerosis   | 10,360         | 2.3         | 3,255          | 2.3         | 1,890         | 1.8         | 1,069         | 2.2          | 2,395          | 2.5          | 1,751         | 2.6         |
| 70 | Ménière's disease <sup>c</sup>   | 10,003         | 2.2         | 2,725          | 1.9         | 1,865         | 1.8         | 928           | 2.0          | 2,703          | 2.8          | 1,782         | 2.7         |
| 71 | Other diseases of the inner ear  | 29,865         | 6.6         | 4,532          | 3.2         | 4,406         | 4.3         | 6,192         | 13.0         | 10,262         | 10.5         | 4,473         | 6.7         |
| 72 | Conductive and sensorineural hearing loss  | 43,238         | 9.5         | 15,176         | 10.7        | 9,246         | 9.0         | 4,635         | 9.7          | 8,202          | 8.4          | 5,979         | 9.0         |
| 73 | Other hearing loss and other disorders of ear not classified elsewhere   | 8,306          | 1.8         | 2,184          | 1.5         | 1,276         | 1.2         | 788           | 1.7          | 2,754          | 2.8          | 1,304         | 2.0         |
| 74 | Presbycusis (age-related hearing loss)   | 80,659         | 17.7        | 24,210         | 17.1        | 11,428        | 11.1        | 11,600        | 24.4         | 21,762         | 22.3         | 11,659        | 17.5        |
| 75 | Hearing loss, unspecified  | 87,806         | 19.3        | 27,525         | 19.5        | 17,137        | 16.7        | 7,983         | 16.8         | 20,069         | 20.6         | 15,092        | 22.7        |
| 76 | Tinnitus   | 40,124         | 8.8         | 11,866         | 8.4         | 5,470         | 5.3         | 6,352         | 13.4         | 10,352         | 10.6         | 6,084         | 9.2         |

|     |  |                  |              |                |              |                |              |                |              |                |              |                |              |
|-----|--|------------------|--------------|----------------|--------------|----------------|--------------|----------------|--------------|----------------|--------------|----------------|--------------|
| 77  | Other specified disorders of ear   | 20,537           | 4.5          | 2,949          | 2.1          | 2,396          | 2.3          | 2,109          | 4.4          | 7,285          | 7.5          | 5,798          | 8.7          |
|     | <b>I – Diseases of the circulatory system</b>  | <b>1,254,427</b> | <b>275.4</b> | <b>344,337</b> | <b>243.7</b> | <b>276,838</b> | <b>269.7</b> | <b>141,084</b> | <b>296.6</b> | <b>292,077</b> | <b>299.3</b> | <b>200,091</b> | <b>301.1</b> |
| 78  | Aortic and mitral valve disease <sup>c</sup>   | 30,123           | 6.6          | 6,396          | 4.5          | 8,155          | 7.9          | 3,068          | 6.5          | 8,031          | 8.2          | 4,473          | 6.7          |
| 79  | Hypertensive diseases <sup>c</sup>   | 1,060,046        | 232.7        | 288,242        | 204.0        | 231,815        | 225.9        | 122,685        | 257.9        | 247,358        | 253.5        | 169,946        | 255.7        |
| 80  | Heart failure <sup>c</sup>   | 37,540           | 8.2          | 13,100         | 9.3          | 7,265          | 7.1          | 2,836          | 6.0          | 7,761          | 8.0          | 6,578          | 9.9          |
| 80A | Ischaemic heart diseases   | 139,173          | 30.6         | 38,791         | 27.5         | 33,305         | 32.4         | 13,891         | 29.2         | 28,812         | 29.5         | 24,374         | 36.7         |
| 81  | Angina pectoris  | 78,476           | 17.2         | 21,093         | 14.9         | 22,162         | 21.6         | 8,345          | 17.5         | 15,228         | 15.6         | 11,648         | 17.5         |
| 82  | Acute myocardial infarction and subsequent myocardial infarction   | 36,654           | 8.0          | 10,326         | 7.3          | 7,936          | 7.7          | 3,499          | 7.4          | 8,130          | 8.3          | 6,763          | 10.2         |
| 83  | AMI complex/other  | 2,969            | 0.7          | 1,007          | 0.7          | 295            | 0.3          | 132            | 0.3          | 416            | 0.4          | 1,119          | 1.7          |
| 84  | Chronic ischaemic heart disease  | 84,592           | 18.6         | 23,731         | 16.8         | 18,166         | 17.7         | 8,139          | 17.1         | 18,070         | 18.5         | 16,486         | 24.8         |
| 85  | Pulmonary heart disease and diseases of pulmonary circulation  | 15,352           | 3.4          | 5,015          | 3.5          | 2,928          | 2.9          | 1,262          | 2.7          | 3,613          | 3.7          | 2,534          | 3.8          |
| 86  | Acute pericarditis   | 5,563            | 1.2          | 1,797          | 1.3          | 1,111          | 1.1          | 448            | 0.9          | 1,281          | 1.3          | 926            | 1.4          |
| 87  | Other forms of heart disease   | 8,119            | 1.8          | 2,548          | 1.8          | 1,617          | 1.6          | 720            | 1.5          | 1,901          | 1.9          | 1,333          | 2.0          |
| 88  | Atrioventricular and left bundle branch block  | 14,604           | 3.2          | 3,926          | 2.8          | 3,489          | 3.4          | 1,530          | 3.2          | 3,351          | 3.4          | 2,308          | 3.5          |
| 89  | Other conduction disorders   | 11,823           | 2.6          | 3,605          | 2.6          | 2,365          | 2.3          | 1,097          | 2.3          | 2,583          | 2.6          | 2,173          | 3.3          |
| 90  | Paroxysmal tachycardia   | 39,510           | 8.7          | 11,142         | 7.9          | 8,978          | 8.7          | 4,207          | 8.8          | 7,686          | 7.9          | 7,497          | 11.3         |
| 91  | Atrial fibrillation and flutter  | 112,342          | 24.7         | 32,348         | 22.9         | 24,832         | 24.2         | 12,166         | 25.6         | 25,123         | 25.7         | 17,873         | 26.9         |
| 92  | Other cardiac arrhythmias  | 34,418           | 7.6          | 9,354          | 6.6          | 8,369          | 8.2          | 3,091          | 6.5          | 8,087          | 8.3          | 5,517          | 8.3          |
| 93  | Complications and ill-defined descriptions of heart disease and other heart disorders in diseases classified elsewhere   | 7,337            | 1.6          | 2,827          | 2.0          | 2,083          | 2.0          | 330            | 0.7          | 1,366          | 1.4          | 731            | 1.1          |
| 94  | Stroke   | 72,606           | 15.9         | 21,256         | 15.0         | 16,148         | 15.7         | 6,401          | 13.5         | 16,263         | 16.7         | 12,538         | 18.9         |
| 95  | Cerebrovascular diseases   | 17,308           | 3.8          | 5,546          | 3.9          | 3,364          | 3.3          | 1,665          | 3.5          | 4,667          | 4.8          | 2,066          | 3.1          |
| 96  | Sequelae of cerebrovascular disease  | 50,952           | 11.2         | 14,089         | 10.0         | 9,755          | 9.5          | 4,942          | 10.4         | 13,407         | 13.7         | 8,759          | 13.2         |
| 97  | Atherosclerosis  | 32,064           | 7.0          | 7,857          | 5.6          | 6,054          | 5.9          | 2,918          | 6.1          | 8,752          | 9.0          | 6,483          | 9.8          |
| 98  | Aortic aneurysm and aortic dissection  | 10,296           | 2.3          | 2,886          | 2.0          | 2,470          | 2.4          | 896            | 1.9          | 2,444          | 2.5          | 1,600          | 2.4          |
| 99  | Diseases of arteries, arterioles and capillaries   | 11,830           | 2.6          | 4,007          | 2.8          | 2,696          | 2.6          | 892            | 1.9          | 2,629          | 2.7          | 1,606          | 2.4          |
| 100 | Other peripheral vascular diseases   | 28,508           | 6.3          | 7,382          | 5.2          | 6,519          | 6.4          | 2,999          | 6.3          | 7,840          | 8.0          | 3,768          | 5.7          |
| 101 | Phlebitis, thrombosis of the portal vein and others  | 37,388           | 8.2          | 12,242         | 8.7          | 6,238          | 6.1          | 3,997          | 8.4          | 8,139          | 8.3          | 6,772          | 10.2         |
| 102 | Varicose veins of lower extremities  | 23,530           | 5.2          | 4,919          | 3.5          | 7,215          | 7.0          | 3,093          | 6.5          | 7,179          | 7.4          | 1,124          | 1.7          |
| 103 | Haemorrhoids <sup>c</sup>  | 74,285           | 16.3         | 18,906         | 13.4         | 18,066         | 17.6         | 7,760          | 16.3         | 18,091         | 18.5         | 11,462         | 17.2         |
| 104 | Oesophageal varices (chronic), varicose veins of other sites, other disorders of veins, non-specific lymphadenitis, other non-infective disorders of lymphatic vessels and lymph nodes and other and unspecified disorders of the circulatory system | 15,194           | 3.3          | 4,137          | 2.9          | 2,900          | 2.8          | 1,209          | 2.5          | 3,119          | 3.2          | 3,829          | 5.8          |
|     | <b>J – Diseases of the respiratory system</b>  | <b>1,210,598</b> | <b>265.7</b> | <b>379,715</b> | <b>268.7</b> | <b>266,681</b> | <b>259.8</b> | <b>124,207</b> | <b>261.1</b> | <b>261,003</b> | <b>267.5</b> | <b>178,992</b> | <b>269.3</b> |

|      |  |                  |              |                |              |                |              |                |              |                |              |                |              |
|------|--|------------------|--------------|----------------|--------------|----------------|--------------|----------------|--------------|----------------|--------------|----------------|--------------|
| 105  | Respiratory allergy °  | 841,685          | 184.8        | 272,801        | 193.1        | 186,358        | 181.6        | 84,493         | 177.6        | 175,290        | 179.6        | 122,743        | 184.7        |
| 105A | Chronic lower respiratory diseases °   | 418,120          | 91.8         | 130,170        | 92.1         | 87,172         | 84.9         | 42,561         | 89.5         | 95,101         | 97.5         | 63,116         | 95.0         |
| 106  | Bronchitis, not specified as acute or chronic, simple and mucopurulent chronic bronchitis and unspecified chronic bronchitis | 12,790           | 2.8          | 3,464          | 2.5          | 2,579          | 2.5          | 1,312          | 2.8          | 3,793          | 3.9          | 1,642          | 2.5          |
| 107  | Emphysema  | 5,557            | 1.2          | 1,322          | 0.9          | 1,525          | 1.5          | 556            | 1.2          | 1,036          | 1.1          | 1,118          | 1.7          |
| 108  | Chronic obstructive lung disease (COPD) °  | 216,184          | 47.5         | 60,978         | 43.2         | 48,685         | 47.4         | 23,279         | 48.9         | 50,412         | 51.7         | 32,830         | 49.4         |
| 109  | Asthma, status asthmaticus °   | 361,129          | 79.3         | 107,743        | 76.2         | 81,142         | 79.1         | 39,243         | 82.5         | 79,483         | 81.5         | 53,518         | 80.5         |
| 110  | Bronchiectasis   | 4,362            | 1.0          | 1,065          | 0.8          | 1,572          | 1.5          | 506            | 1.1          | 522            | 0.5          | 697            | 1.0          |
| 111  | Other diseases of the respiratory system   | 21,993           | 4.8          | 6,414          | 4.5          | 4,727          | 4.6          | 1,743          | 3.7          | 5,755          | 5.9          | 3,354          | 5.0          |
|      | <b>K – Diseases of the digestive system</b>  | <b>329,337</b>   | <b>72.3</b>  | <b>95,452</b>  | <b>67.5</b>  | <b>71,490</b>  | <b>69.7</b>  | <b>34,486</b>  | <b>72.5</b>  | <b>74,822</b>  | <b>76.7</b>  | <b>53,087</b>  | <b>79.9</b>  |
| 112  | Ulcers °   | 157,379          | 34.5         | 50,062         | 35.4         | 31,326         | 30.5         | 16,027         | 33.7         | 32,238         | 33.0         | 27,726         | 41.7         |
| 113  | Inguinal hernia  | 25,032           | 5.5          | 6,533          | 4.6          | 5,638          | 5.5          | 3,050          | 6.4          | 5,901          | 6.0          | 3,910          | 5.9          |
| 114  | Ventral hernia   | 7,941            | 1.7          | 1,973          | 1.4          | 1,792          | 1.7          | 936            | 2.0          | 1,917          | 2.0          | 1,323          | 2.0          |
| 115  | Crohn's disease  | 18,913           | 4.2          | 6,242          | 4.4          | 4,145          | 4.0          | 1,728          | 3.6          | 3,673          | 3.8          | 3,125          | 4.7          |
| 116  | Ulcerative colitis   | 29,538           | 6.5          | 8,224          | 5.8          | 7,077          | 6.9          | 2,812          | 5.9          | 6,789          | 7.0          | 4,636          | 7.0          |
| 117  | Other non-infective gastroenteritis and colitis  | 20,844           | 4.6          | 5,611          | 4.0          | 4,187          | 4.1          | 2,059          | 4.3          | 5,182          | 5.3          | 3,805          | 5.7          |
| 118  | Irritable bowel syndrome (IBS)   | 37,593           | 8.3          | 9,025          | 6.4          | 7,292          | 7.1          | 4,739          | 10.0         | 10,897         | 11.2         | 5,640          | 8.5          |
| 119  | Other functional intestinal disorders  | 51,933           | 11.4         | 12,849         | 9.1          | 15,297         | 14.9         | 4,937          | 10.4         | 12,689         | 13.0         | 6,161          | 9.3          |
| 120  | Diseases of liver, biliary tract and pancreas  | 26,956           | 5.9          | 8,753          | 6.2          | 5,284          | 5.1          | 2,359          | 5.0          | 5,901          | 6.0          | 4,659          | 7.0          |
|      | <b>L – Diseases of the skin and subcutaneous tissue</b>  | <b>65,469</b>    | <b>14.4</b>  | <b>22,064</b>  | <b>15.6</b>  | <b>14,781</b>  | <b>14.4</b>  | <b>6,049</b>   | <b>12.7</b>  | <b>13,003</b>  | <b>13.3</b>  | <b>9,572</b>   | <b>14.4</b>  |
| 121  | Psoriasis °  | 65,469           | 14.4         | 22,064         | 15.6         | 14,781         | 14.4         | 6,049          | 12.7         | 13,003         | 13.3         | 9,572          | 14.4         |
|      | <b>M – Diseases of the musculoskeletal system and connective tissue</b>  | <b>1,032,808</b> | <b>226.7</b> | <b>276,332</b> | <b>195.6</b> | <b>243,447</b> | <b>237.2</b> | <b>106,406</b> | <b>223.7</b> | <b>257,765</b> | <b>264.2</b> | <b>148,858</b> | <b>224.0</b> |
| 122  | Infectious arthropathies   | 9,402            | 2.1          | 3,134          | 2.2          | 2,020          | 2.0          | 915            | 1.9          | 1,990          | 2.0          | 1,343          | 2.0          |
| 122A | Inflammatory polyarthropathies and ankylosing spondylitis °  | 165,944          | 36.4         | 50,126         | 35.5         | 34,011         | 33.1         | 16,350         | 34.4         | 37,418         | 38.3         | 28,039         | 42.2         |
| 123  | Rheumatoid arthritis °   | 77,345           | 17.0         | 24,151         | 17.1         | 16,308         | 15.9         | 7,349          | 15.5         | 16,340         | 16.7         | 13,197         | 19.9         |
| 124  | Inflammatory polyarthropathies – except rheumatoid arthritis °   | 115,945          | 25.5         | 34,119         | 24.1         | 23,267         | 22.7         | 11,683         | 24.6         | 27,343         | 28.0         | 19,533         | 29.4         |
| 125  | Polyarthrosis [arthrosis]  | 16,935           | 3.7          | 4,745          | 3.4          | 4,318          | 4.2          | 1,230          | 2.6          | 4,457          | 4.6          | 2,185          | 3.3          |
| 126  | Coxarthrosis [arthrosis of hip]  | 104,115          | 22.9         | 28,367         | 20.1         | 22,599         | 22.0         | 11,181         | 23.5         | 25,027         | 25.6         | 16,941         | 25.5         |
| 127  | Gonarthrosis [arthrosis of knee]   | 178,811          | 39.3         | 48,950         | 34.6         | 39,447         | 38.4         | 21,693         | 45.6         | 41,112         | 42.1         | 27,609         | 41.5         |
| 128  | Arthrosis of first carpometacarpal joint and other arthrosis   | 91,101           | 20.0         | 25,293         | 17.9         | 22,046         | 21.5         | 8,269          | 17.4         | 22,384         | 22.9         | 13,109         | 19.7         |
| 129  | Acquired deformities of fingers and toes   | 55,730           | 12.2         | 14,429         | 10.2         | 13,728         | 13.4         | 4,383          | 9.2          | 14,411         | 14.8         | 8,779          | 13.2         |
| 130  | Other acquired deformities of limbs  | 20,584           | 4.5          | 4,062          | 2.9          | 6,087          | 5.9          | 2,066          | 4.3          | 6,160          | 6.3          | 2,209          | 3.3          |
| 131  | Disorders of patella (knee cap)  | 38,999           | 8.6          | 9,796          | 6.9          | 12,163         | 11.9         | 4,985          | 10.5         | 7,892          | 8.1          | 4,163          | 6.3          |
| 132  | Internal derangement of knee   | 9,192            | 2.0          | 3,917          | 2.8          | 1,378          | 1.3          | 685            | 1.4          | 1,964          | 2.0          | 1,248          | 1.9          |

|     |  |         |      |        |      |        |      |        |      |        |      |        |      |
|-----|--|---------|------|--------|------|--------|------|--------|------|--------|------|--------|------|
| 133 | Derangement of meniscus due to old tear or injury                          | 36,374  | 8.0  | 11,579 | 8.2  | 7,020  | 6.8  | 3,183  | 6.7  | 8,746  | 9.0  | 5,846  | 8.8  |
| 134 | Internal derangement of knee, unspecified                                  | 28,206  | 6.2  | 6,794  | 4.8  | 8,290  | 8.1  | 2,150  | 4.5  | 7,823  | 8.0  | 3,149  | 4.7  |
| 135 | Other specific joint derangements  | 5,923   | 1.3  | 2,395  | 1.7  | 1,203  | 1.2  | 429    | 0.9  | 917    | 0.9  | 979    | 1.5  |
| 136 | Other joint disorders not classified elsewhere                             | 12,043  | 2.6  | 2,721  | 1.9  | 2,476  | 2.4  | 1,694  | 3.6  | 3,873  | 4.0  | 1,279  | 1.9  |
| 137 | Systemic connective tissue disorders                                       | 42,631  | 9.4  | 12,588 | 8.9  | 9,881  | 9.6  | 3,871  | 8.1  | 9,445  | 9.7  | 6,846  | 10.3 |
| 138 | Systemic lupus erythematosus   | 3,376   | 0.7  | 1,009  | 0.7  | 656    | 0.6  | 283    | 0.6  | 714    | 0.7  | 714    | 1.1  |
| 139 | Dermatopolymyositis  | 1,137   | 0.2  | 283    | 0.2  | 277    | 0.3  | 112    | 0.2  | 302    | 0.3  | 163    | 0.2  |
| 140 | Systemic sclerosis   | 1,675   | 0.4  | 420    | 0.3  | 468    | 0.5  | 168    | 0.4  | 347    | 0.4  | 272    | 0.4  |
| 141 | Kyphosis, lordosis   | 4,160   | 0.9  | 1,692  | 1.2  | 1,085  | 1.1  | 369    | 0.8  | 605    | 0.6  | 409    | 0.6  |
| 142 | Scoliosis  | 17,686  | 3.9  | 4,904  | 3.5  | 4,883  | 4.8  | 1,899  | 4.0  | 4,017  | 4.1  | 1,983  | 3.0  |
| 143 | Spinal osteochondrosis   | 8,034   | 1.8  | 2,537  | 1.8  | 1,837  | 1.8  | 773    | 1.6  | 1,622  | 1.7  | 1,265  | 1.9  |
| 144 | Other deforming dorsopathies   | 23,756  | 5.2  | 6,633  | 4.7  | 5,970  | 5.8  | 2,070  | 4.4  | 5,847  | 6.0  | 3,236  | 4.9  |
| 145 | Other inflammatory spondylopathies   | 7,086   | 1.6  | 1,687  | 1.2  | 1,873  | 1.8  | 721    | 1.5  | 1,787  | 1.8  | 1,018  | 1.5  |
| 146 | Spondylosis  | 61,999  | 13.6 | 16,350 | 11.6 | 12,159 | 11.8 | 8,174  | 17.2 | 17,195 | 17.6 | 8,121  | 12.2 |
| 147 | Other spondylopathies and spondylopathies in diseases classified elsewhere | 50,805  | 11.2 | 16,496 | 11.7 | 10,367 | 10.1 | 3,149  | 6.6  | 12,546 | 12.9 | 8,247  | 12.4 |
| 148 | Cervical disc disorders  | 11,476  | 2.5  | 2,854  | 2.0  | 2,760  | 2.7  | 815    | 1.7  | 3,550  | 3.6  | 1,497  | 2.3  |
| 149 | Other intervertebral disc disorders  | 40,161  | 8.8  | 9,898  | 7.0  | 9,480  | 9.2  | 3,156  | 6.6  | 12,547 | 12.9 | 5,080  | 7.6  |
| 150 | Other dorsopathies not classified elsewhere                                | 7,246   | 1.6  | 1,042  | 0.7  | 2,688  | 2.6  | 564    | 1.2  | 2,444  | 2.5  | 508    | 0.8  |
| 151 | Dorsalgia  | 40,780  | 9.0  | 11,745 | 8.3  | 7,301  | 7.1  | 4,868  | 10.2 | 11,339 | 11.6 | 5,527  | 8.3  |
| 152 | Soft tissue disorders  | 13,422  | 2.9  | 3,765  | 2.7  | 2,500  | 2.4  | 1,120  | 2.4  | 3,925  | 4.0  | 2,112  | 3.2  |
| 153 | Synovitis and tenosynovitis  | 19,104  | 4.2  | 4,331  | 3.1  | 5,491  | 5.4  | 1,765  | 3.7  | 4,546  | 4.7  | 2,971  | 4.5  |
| 154 | Disorders of synovium and tendon   | 19,669  | 4.3  | 5,123  | 3.6  | 5,748  | 5.6  | 2,018  | 4.2  | 4,261  | 4.4  | 2,519  | 3.8  |
| 155 | Soft tissue disorders related to use, overuse and pressure                 | 11,090  | 2.4  | 1,617  | 1.1  | 4,667  | 4.5  | 1,280  | 2.7  | 2,464  | 2.5  | 1,062  | 1.6  |
| 156 | Fibroblastic disorders   | 43,600  | 9.6  | 10,167 | 7.2  | 12,435 | 12.1 | 4,042  | 8.5  | 10,662 | 10.9 | 6,294  | 9.5  |
| 157 | Shoulder lesions   | 58,112  | 12.8 | 11,256 | 8.0  | 15,853 | 15.4 | 6,084  | 12.8 | 16,768 | 17.2 | 8,151  | 12.3 |
| 158 | Enthesopathies of lower limb, excluding foot                               | 11,223  | 2.5  | 3,532  | 2.5  | 2,651  | 2.6  | 1,010  | 2.1  | 2,871  | 2.9  | 1,159  | 1.7  |
| 159 | Other enthesopathies   | 10,500  | 2.3  | 3,269  | 2.3  | 2,365  | 2.3  | 965    | 2.0  | 2,713  | 2.8  | 1,188  | 1.8  |
| 160 | Rheumatism, unspecified  | 6,852   | 1.5  | 2,449  | 1.7  | 863    | 0.8  | 614    | 1.3  | 1,284  | 1.3  | 1,642  | 2.5  |
| 161 | Myalgia  | 10,168  | 2.2  | 2,884  | 2.0  | 2,086  | 2.0  | 873    | 1.8  | 2,318  | 2.4  | 2,007  | 3.0  |
| 162 | Other soft tissue disorders not classified elsewhere                       | 7,939   | 1.7  | 1,575  | 1.1  | 3,026  | 2.9  | 615    | 1.3  | 1,866  | 1.9  | 857    | 1.3  |
| 163 | Other soft tissue disorders not classified elsewhere: pain in limb         | 22,201  | 4.9  | 5,182  | 3.7  | 4,314  | 4.2  | 2,048  | 4.3  | 8,060  | 8.3  | 2,597  | 3.9  |
| 164 | Fibromyalgia   | 3,399   | 0.7  | 1,332  | 0.9  | 427    | 0.4  | 238    | 0.5  | 473    | 0.5  | 929    | 1.4  |
| 165 | Osteoporosis <sup>c</sup>  | 158,813 | 34.9 | 40,589 | 28.7 | 36,426 | 35.5 | 15,785 | 33.2 | 49,447 | 50.7 | 16,566 | 24.9 |
| 166 | Osteoporosis in diseases classified elsewhere                              | 1,007   | 0.2  | 142    | 0.1  | 92     | 0.1  | 81     | 0.2  | 321    | 0.3  | 371    | 0.6  |
| 167 | Adult osteomalacia and other disorders of bone                             | 43,271  | 9.5  | 3,698  | 2.6  | 15,282 | 14.9 | 5,913  | 12.4 | 13,924 | 14.3 | 4,454  | 6.7  |

|     |   |                |              |                |              |                |              |               |              |                |              |                |              |
|-----|---|----------------|--------------|----------------|--------------|----------------|--------------|---------------|--------------|----------------|--------------|----------------|--------------|
|     | density and structure   |                |              |                |              |                |              |               |              |                |              |                |              |
| 168 | Disorders of continuity of bone   | 1,865          | 0.4          | 599            | 0.4          | 362            | 0.4          | 287           | 0.6          | 310            | 0.3          | 307            | 0.5          |
| 169 | Other osteopathies  | 24,251         | 5.3          | 4,451          | 3.1          | 3,859          | 3.8          | 1,466         | 3.1          | 11,922         | 12.2         | 2,553          | 3.8          |
| 170 | Other disorders of the musculoskeletal system and connective tissue   | 30,038         | 6.6          | 7,685          | 5.4          | 6,085          | 5.9          | 2,249         | 4.7          | 8,640          | 8.9          | 5,379          | 8.1          |
|     | <b>N – Diseases of the genitourinary system</b>   | <b>20,162</b>  | <b>4.4</b>   | <b>4,980</b>   | <b>3.5</b>   | <b>6,222</b>   | <b>6.1</b>   | <b>2,021</b>  | <b>4.2</b>   | <b>4,352</b>   | <b>4.5</b>   | <b>2,587</b>   | <b>3.9</b>   |
| 171 | Chronic renal failure (CRF) <sup>c</sup>  | 20,162         | 4.4          | 4,980          | 3.5          | 6,222          | 6.1          | 2,021         | 4.2          | 4,352          | 4.5          | 2,587          | 3.9          |
|     | <b>Q – Congenital malformations, deformations and chromosomal abnormalities</b>   | <b>124,898</b> | <b>27.4</b>  | <b>38,354</b>  | <b>27.1</b>  | <b>28,360</b>  | <b>27.6</b>  | <b>13,416</b> | <b>28.2</b>  | <b>27,139</b>  | <b>27.8</b>  | <b>17,629</b>  | <b>26.5</b>  |
| 172 | Congenital malformations: of the nervous, circulatory and respiratory systems, cleft palate and cleft lip, urinary tract, bones and muscles, other and chromosomal abnormalities not classified elsewhere | 85,534         | 18.8         | 25,072         | 17.7         | 20,288         | 19.8         | 8,718         | 18.3         | 19,516         | 20.0         | 11,940         | 18.0         |
| 173 | Congenital malformations of eye, ear, face and neck   | 19,689         | 4.3          | 6,929          | 4.9          | 3,847          | 3.7          | 2,237         | 4.7          | 3,705          | 3.8          | 2,971          | 4.5          |
| 174 | Other congenital malformations of the digestive system  | 6,481          | 1.4          | 2,244          | 1.6          | 1,179          | 1.1          | 917           | 1.9          | 1,217          | 1.2          | 924            | 1.4          |
| 175 | Congenital malformations of the sexual organs   | 16,192         | 3.6          | 5,071          | 3.6          | 3,678          | 3.6          | 1,944         | 4.1          | 3,277          | 3.4          | 2,222          | 3.3          |
|     | <b>F – Mental and behavioural disorders</b>   | <b>683,194</b> | <b>150.0</b> | <b>197,626</b> | <b>139.9</b> | <b>155,979</b> | <b>152.0</b> | <b>67,510</b> | <b>141.9</b> | <b>161,658</b> | <b>165.7</b> | <b>100,421</b> | <b>151.1</b> |
| 176 | Dementia <sup>c</sup>   | 36,803         | 8.1          | 11,322         | 8.0          | 7,121          | 6.9          | 3,489         | 7.3          | 9,733          | 10.0         | 5,138          | 7.7          |
| 177 | Organic, including symptomatic, mental disorders  | 26,430         | 5.8          | 8,023          | 5.7          | 5,949          | 5.8          | 2,417         | 5.1          | 6,405          | 6.6          | 3,636          | 5.5          |
| 178 | Mental and behavioural disorders due to use of alcohol  | 59,143         | 13.0         | 20,473         | 14.5         | 11,685         | 11.4         | 5,128         | 10.8         | 12,641         | 13.0         | 9,216          | 13.9         |
| 179 | Mental and behavioural disorders due to use of psychoactive substances  | 53,669         | 11.8         | 20,878         | 14.8         | 5,712          | 5.6          | 5,692         | 12.0         | 16,096         | 16.5         | 5,291          | 8.0          |
| 180 | Schizophrenia <sup>c</sup>  | 29,422         | 6.5          | 10,902         | 7.7          | 5,841          | 5.7          | 2,512         | 5.3          | 5,999          | 6.1          | 4,168          | 6.3          |
| 181 | Schizotypal and delusional disorders  | 39,694         | 8.7          | 15,726         | 11.1         | 6,882          | 6.7          | 2,984         | 6.3          | 8,316          | 8.5          | 5,786          | 8.7          |
| 182 | Bipolar affective disorder <sup>c</sup>   | 22,669         | 5.0          | 6,997          | 5.0          | 5,896          | 5.7          | 1,806         | 3.8          | 4,812          | 4.9          | 3,158          | 4.8          |
| 183 | Depression <sup>c</sup>   | 454,933        | 99.9         | 117,031        | 82.8         | 115,169        | 112.2        | 46,752        | 98.3         | 109,548        | 112.3        | 66,433         | 100.0        |
| 184 | Mood (affective) disorders  | 6,887          | 1.5          | 2,107          | 1.5          | 1,411          | 1.4          | 654           | 1.4          | 1,456          | 1.5          | 1,259          | 1.9          |
| 185 | Phobic anxiety disorders  | 14,324         | 3.1          | 4,630          | 3.3          | 3,706          | 3.6          | 1,005         | 2.1          | 3,304          | 3.4          | 1,679          | 2.5          |
| 186 | Other anxiety disorders   | 38,079         | 8.4          | 14,259         | 10.1         | 6,914          | 6.7          | 2,548         | 5.4          | 8,186          | 8.4          | 6,172          | 9.3          |
| 187 | Obsessive compulsive disorder (OCD) <sup>c</sup>  | 10,062         | 2.2          | 3,543          | 2.5          | 2,460          | 2.4          | 812           | 1.7          | 1,904          | 2.0          | 1,343          | 2.0          |
| 188 | Post-traumatic stress disorder  | 16,055         | 3.5          | 4,715          | 3.3          | 4,020          | 3.9          | 1,213         | 2.6          | 3,477          | 3.6          | 2,630          | 4.0          |
| 189 | Reactions to severe stress and adjustment disorders   | 61,701         | 13.5         | 18,761         | 13.3         | 10,801         | 10.5         | 4,213         | 8.9          | 16,556         | 17.0         | 11,370         | 17.1         |
| 190 | Dissociative (conversion) disorders, somatoform disorders and other neurotic disorders  | 21,420         | 4.7          | 8,053          | 5.7          | 4,442          | 4.3          | 1,635         | 3.4          | 4,152          | 4.3          | 3,138          | 4.7          |
| 191 | Eating disorders  | 7,751          | 1.7          | 3,301          | 2.3          | 1,605          | 1.6          | 552           | 1.2          | 1,512          | 1.5          | 781            | 1.2          |
| 192 | Behavioural syndromes associated with physiological disturbances and physical factors   | 6,163          | 1.4          | 2,876          | 2.0          | 995            | 1.0          | 460           | 1.0          | 858            | 0.9          | 974            | 1.5          |



|     |   |                  |              |                |              |                |              |                |              |                |              |                |              |
|-----|---|------------------|--------------|----------------|--------------|----------------|--------------|----------------|--------------|----------------|--------------|----------------|--------------|
| 193 | Emotionally unstable personality disorder   | 21,848           | 4.8          | 7,134          | 5.0          | 3,941          | 3.8          | 1,908          | 4.0          | 5,052          | 5.2          | 3,813          | 5.7          |
| 194 | Specific personality disorders  | 50,415           | 11.1         | 16,169         | 11.4         | 9,834          | 9.6          | 4,701          | 9.9          | 11,979         | 12.3         | 7,732          | 11.6         |
| 195 | Disorders of adult personality and behaviour  | 17,533           | 3.8          | 5,124          | 3.6          | 4,374          | 4.3          | 1,955          | 4.1          | 4,018          | 4.1          | 2,062          | 3.1          |
| 196 | Mental retardation  | 13,822           | 3.0          | 3,635          | 2.6          | 2,872          | 2.8          | 1,441          | 3.0          | 3,799          | 3.9          | 2,075          | 3.1          |
| 197 | Disorders of psychological development  | 9,911            | 2.2          | 2,681          | 1.9          | 2,896          | 2.8          | 1,128          | 2.4          | 1,790          | 1.8          | 1,416          | 2.1          |
| 198 | Hyperkinetic disorders (ADHD) <sup>c</sup>  | 42,908           | 9.4          | 11,440         | 8.1          | 13,401         | 13.1         | 4,548          | 9.6          | 6,843          | 7.0          | 6,676          | 10.0         |
| 199 | Behavioural and emotional disorders with onset usually occurring in childhood and adolescence | 39,602           | 8.7          | 14,794         | 10.5         | 5,190          | 5.1          | 4,746          | 10.0         | 9,686          | 9.9          | 5,186          | 7.8          |
|     | <b>Having one or more chronic conditions</b>  | <b>2,989,441</b> | <b>656.2</b> | <b>881,379</b> | <b>623.7</b> | <b>674,263</b> | <b>657.0</b> | <b>315,842</b> | <b>664.0</b> | <b>668,525</b> | <b>685.1</b> | <b>449,432</b> | <b>676.3</b> |
|     |   |                  |              |                |              |                |              |                |              |                |              |                |              |
|     | Depression medicine <sup>c</sup> **   | 529,918          | 116.3        | 141,371        | 100.0        | 129,338        | 126.0        | 54,988         | 115.6        | 126,599        | 129.7        | 77,622         | 116.8        |
|     | Antipsychotic medicine <sup>c</sup> **  | 138,625          | 30.4         | 38,012         | 26.9         | 29,576         | 28.8         | 14,439         | 30.4         | 34,688         | 35.5         | 21,910         | 33.0         |
|     | Indication prescribed anxiety medicine <sup>c</sup> **  | 102,568          | 22.5         | 28,692         | 20.3         | 24,733         | 24.1         | 11,011         | 23.2         | 22,108         | 22.7         | 16,024         | 24.1         |
|     | Heart failure medication <sup>c</sup> **  | 7,468            | 1.6          | 2,404          | 1.7          | 1,838          | 1.8          | 693            | 1.5          | 1,265          | 1.3          | 1,268          | 1.9          |
|     | Ischaemic heart medication <sup>c</sup> **  | 129,484          | 28.4         | 34,107         | 24.1         | 31,561         | 30.8         | 14,609         | 30.7         | 28,522         | 29.2         | 20,685         | 31.1         |
|     | <b>All of the five types of medicine above</b>  | <b>688,006</b>   | <b>151.0</b> | <b>186,130</b> | <b>131.7</b> | <b>164,098</b> | <b>159.9</b> | <b>72,462</b>  | <b>152.3</b> | <b>161,572</b> | <b>165.6</b> | <b>103,744</b> | <b>156.1</b> |
|     |   |                  |              |                |              |                |              |                |              |                |              |                |              |
|     | Others: arthrosis combined (M15-M19)  | 338,166          | 74.2         | 91,573         | 64.8         | 77,076         | 75.1         | 37,306         | 78.4         | 80,198         | 82.2         | 52,013         | 78.3         |
|     | Others: overweight (E86)  | 220,928          | 48.5         | 56,808         | 40.2         | 46,843         | 45.6         | 23,295         | 49.0         | 53,541         | 54.9         | 40,441         | 60.9         |

<sup>c</sup> complex defined condition, see reference for further details [1]. \*\* 2-year prevalence. Note that the region is the origin of the patients' home resident region. Conditions marked 'A' overlap with other conditions and are thus not counted twice [1].

## Supplementary Material 6: Comments on Danish regional differences and overview regional differences by overall disease groups

### *Overview of regional differences*

Some national regional differences exists regarding mortality rates (see Figure 1), as well as education, age, fertility, ethnicity, local immigration and others [8,9]. For international comparison, national mortality rates are as follows: approximately 935 deaths per 100.000 individuals alive in 2013; and for men, 938 deaths per 100.000 individuals alive in 2013.

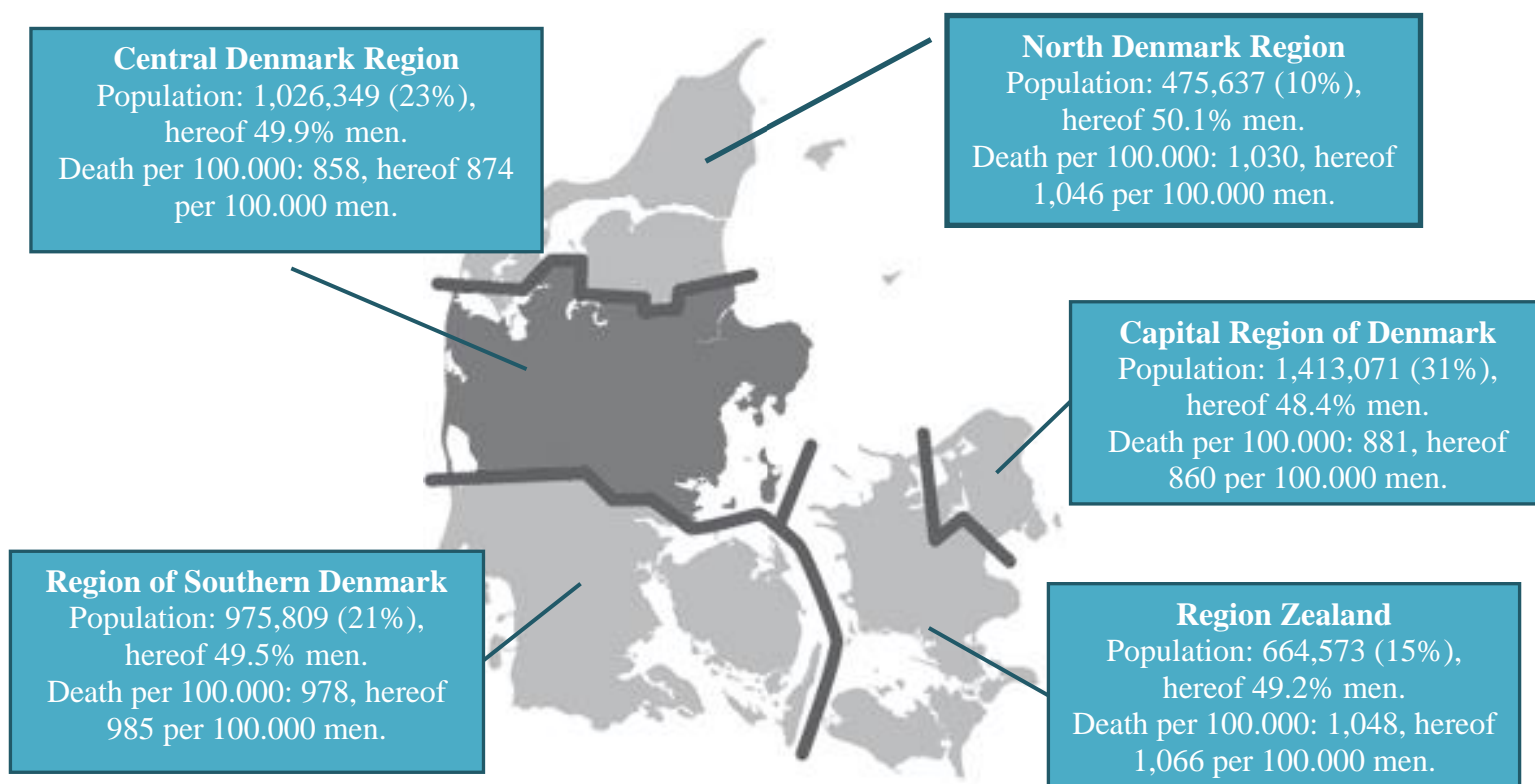


Figure 1. Map of Denmark and full population age 16 years or above. Death per thousand is based on all ages (0+). Source: Statistics Denmark [www.dst.dk](http://www.dst.dk). Figure adapted from Christensen et al., Figure 1 [10].

Table 8. N and per cent of gender and age differences in Denmark and regions at 1 January 2013.

|                          | Denmark   |                 | Capital Region of Denmark |                 | Central Denmark Region |                 | North Denmark Region |                 | Region of Southern Denmark |                 | Zealand Region |                 |
|--------------------------|-----------|-----------------|---------------------------|-----------------|------------------------|-----------------|----------------------|-----------------|----------------------------|-----------------|----------------|-----------------|
|                          | <i>N</i>  | <i>per cent</i> | <i>N</i>                  | <i>per cent</i> | <i>N</i>               | <i>per cent</i> | <i>N</i>             | <i>per cent</i> | <i>N</i>                   | <i>per cent</i> | <i>N</i>       | <i>per cent</i> |
| <b>Men</b>               | 2,242,422 | 49.2            | 684,398                   | 48.4            | 509,611                | 49.7            | 238,114              | 50.1            | 483,450                    | 49.5            | 326,849        | 49.2            |
| <b>Women</b>             | 2,313,017 | 50.8            | 728,673                   | 51.6            | 516,738                | 50.4            | 237,523              | 49.9            | 492,359                    | 50.5            | 337,724        | 50.8            |
| <b>16–24 years</b>       | 648,269   | 14.2            | 202,503                   | 14.3            | 157,931                | 15.4            | 68,896               | 14.5            | 135,659                    | 13.9            | 83,280         | 12.5            |
| <b>25–34 years</b>       | 650,285   | 14.3            | 248,639                   | 17.6            | 147,460                | 14.4            | 61,819               | 13.0            | 122,329                    | 12.5            | 70,038         | 10.5            |
| <b>35–44 years</b>       | 760,514   | 16.7            | 250,628                   | 17.7            | 170,154                | 16.6            | 72,785               | 15.3            | 156,563                    | 16.0            | 110,384        | 16.6            |
| <b>45–54 years</b>       | 801,708   | 17.6            | 239,637                   | 17.0            | 177,291                | 17.3            | 83,943               | 17.7            | 175,777                    | 18.0            | 125,060        | 18.8            |
| <b>55–64 years</b>       | 694,862   | 15.3            | 190,871                   | 13.5            | 158,226                | 15.4            | 76,684               | 16.1            | 156,790                    | 16.1            | 112,291        | 16.9            |
| <b>65–74 years</b>       | 594,029   | 13.0            | 166,541                   | 11.8            | 127,600                | 12.4            | 64,949               | 13.7            | 133,759                    | 13.7            | 101,180        | 15.2            |
| <b>75 years or above</b> | 405,772   | 8.9             | 114,252                   | 8.1             | 87,687                 | 8.5             | 46,561               | 9.8             | 94,932                     | 9.7             | 62,340         | 9.4             |

#### *Method of defining 'differences'*

Thus, prevalences are calculated from a specific point in time, using the five categories of chronicity and the corresponding inclusion times for each condition, as can be seen in the literature [1]. For national regional estimates, the respective population of each of the five regions was the denominator of the ratio.

National regional differences were defined as 'major' if a difference of 50% or more between the highest and lowest prevalence across regions was found, and when the differences were also apparent after standardisation by age, gender and education.

#### *Results*

Some regional differences in prevalence exist, as can be seen in Supplementary material 4-5. In the following, conditions with 'major' regional variation, as defined in the Methods section, are commented upon.

Overall, the Capital Region had the lowest prevalence of chronic conditions, with 623.7 cases per thousand inhabitants, while the Region of Southern Denmark had the

highest overall prevalence, with 685.1 cases per thousand inhabitants (638.4 and 677.1 standardised, respectively).

However, in regards to, for example, HIV, the Capital Region had a higher prevalence than all other regions. The same pattern exists for skin cancer and melanoma. Within the ‘endocrine, nutritional and metabolic’ disease classification, it is mainly the rare condition cystic fibrosis that seems to vary across regions. Within ‘mental and behavioural disorders’, a few variations exist within ADHD, phobic disorders, other anxiety disorders and PTSD. Within ‘diseases of the circulatory system’, heart failure differs across regions, being about 50% as prevalent in the Capital Region as in the North Denmark Region, while angina is around 50% higher in the Central Region than in the Capital Region. With regard to ‘diseases of the musculoskeletal system and connective tissue’, some differences are seen for osteoporosis and some forms of osteoarthritis. Southern Denmark has around twice the number of osteoporosis patients as the region with the lowest (Zealand Region). Kyphosis/lordosis is almost twice as prevalent in the Capital Region as in the Southern and Zealand regions.

### *Discussion*

Moreover, even within a homogeneous country such as Denmark, some ‘major’ regional differences are found for specific conditions, although other studies have found limited variation within regions [11]. Some differences are found within, for example, HIV, skin cancer and ADHD. In the case of HIV, the differences might be due to a higher concentration of homosexual environments in the Capital Region, while the higher prevalence of skin cancer in the Capital Region could be explained by the ‘metropolitan lifestyle’. However, in general, differences might also be explained by differences in ‘practice style’, as discussed in other studies [12,13]. For

example, the higher prevalence of ADHD in the Central Denmark Region could be explained by a stronger clinical environment and more specialists focusing on ADHD. Thus, differences in clinical environment, including the geographical concentration of specialised clinical centres, different reporting practices and incentives for economic settlement in reporting [1], cannot be ruled out in explaining other geographical differences found. However, with a few exceptions, only minor or no differences were found for most conditions.

Table 9. Regional overview by disease groups. N and prevalence of conditions and medicine for Denmark and the five regions – at 1 January 2013 (Standardised rates or mean std dev. in brackets).

| Condition   | Denmark          |                      | Capital Region of Denmark |                      | Central Denmark Region |                      | North Denmark Region |                      | Region of Southern Denmark |                      | Zealand Region   |                      |
|---|------------------|----------------------|---------------------------|----------------------|------------------------|----------------------|----------------------|----------------------|----------------------------|----------------------|------------------|----------------------|
|   | <i>N</i>         | <i>Per thousand</i>  | <i>N</i>                  | <i>Per thousand</i>  | <i>N</i>               | <i>Per thousand</i>  | <i>N</i>             | <i>Per thousand</i>  | <i>N</i>                   | <i>Per thousand</i>  | <i>N</i>         | <i>Per thousand</i>  |
| B – Viral hepatitis and human immunodeficiency virus [HIV] disease  | 8,813            | 1.9 (2,0)            | 4,044                     | 2.9 (2,9)            | 1,862                  | 1.8 (1,8)            | 485                  | 1.0 (1,0)            | 1,465                      | 1.5 (1,5)            | 957              | 1.4 (1,4)            |
| C – Malignant neoplasms   | 229,331          | 50.3 (50,4)          | 69,152                    | 48.9 (52,5)          | 50,351                 | 49.1 (50,5)          | 22,541               | 47.4 (45,5)          | 49,606                     | 50.8 (48,6)          | 37,681           | 56.7 (52,0)          |
| D – In situ and benign neoplasms, and neoplasms of uncertain or unknown behaviour and diseases of the blood and blood-forming organs etc. | 116,560          | 25.6 (25,7)          | 33,869                    | 24.0 (25,4)          | 28,543                 | 27.8 (28,3)          | 10,816               | 22.7 (22,1)          | 25,252                     | 25.9 (25,0)          | 18,080           | 27.2 (26,0)          |
| E – Endocrine, nutritional and metabolic diseases   | 877,433          | 192.6 (192,7)        | 239,987                   | 169.8 (184,6)        | 198,343                | 193.3 (197,8)        | 99,109               | 208.4 (198,4)        | 203,465                    | 208.5 (198,9)        | 136,529          | 205.4 (188,7)        |
| G – Diseases of the nervous system  | 561,054          | 123.2 (123,5)        | 153,150                   | 108.4 (113,3)        | 131,330                | 128.0 (130,1)        | 56,245               | 118.3 (116,3)        | 131,490                    | 134.7 (131,9)        | 88,839           | 133.7 (128,0)        |
| H – Diseases of the eye and adnexa and diseases of the ear and mastoid process  | 448,176          | 98.4 (98,6)          | 133,445                   | 94.4 (101,4)         | 98,443                 | 95.9 (98,5)          | 48,753               | 102.5 (97,7)         | 101,774                    | 104.3 (99,3)         | 65,761           | 99.0 (92,2)          |
| I – Diseases of the circulatory system  | 1,254,427        | 275.4 (275,5)        | 344,337                   | 243.7 (263,1)        | 276,838                | 269.7 (275,6)        | 141,084              | 296.6 (284,3)        | 292,077                    | 299.3 (286,5)        | 200,091          | 301.1 (279,2)        |
| J – Diseases of the respiratory system  | 1,210,598        | 265.7 (266,3)        | 379,715                   | 268.7 (273,4)        | 266,681                | 259.8 (261,8)        | 124,207              | 261.1 (259,8)        | 261,003                    | 267.5 (265,6)        | 178,992          | 269.3 (264,1)        |
| K – Diseases of the digestive system  | 329,337          | 72.3 (72,6)          | 95,452                    | 67.5 (71,3)          | 71,490                 | 69.7 (70,7)          | 34,486               | 72.5 (70,8)          | 74,822                     | 76.7 (74,8)          | 53,087           | 79.9 (76,7)          |
| L – Diseases of the skin and subcutaneous tissue  | 65,469           | 14.4 (14,5)          | 22,064                    | 15.6 (16,3)          | 14,781                 | 14.4 (14,6)          | 6,049                | 12.7 (12,6)          | 13,003                     | 13.3 (13,1)          | 9,572            | 14.4 (13,7)          |
| M – Diseases of the musculoskeletal system and connective tissue  | 1,032,808        | 226.7 (227,1)        | 276,332                   | 195.6 (205,2)        | 243,447                | 237.2 (241,1)        | 106,406              | 223.7 (218,8)        | 257,765                    | 264.2 (257,5)        | 148,858          | 224.0 (213,0)        |
| N – Diseases of the genitourinary system  | 20,162           | 4.4 (4,5)            | 4,980                     | 3.5 (3,9)            | 6,222                  | 6.1 (6,2)            | 2,021                | 4.2 (4,0)            | 4,352                      | 4.5 (4,2)            | 2,587            | 3.9 (3,6)            |
| Q – Congenital malformations, deformations and chromosomal abnormalities  | 124,898          | 27.4 (27,5)          | 38,354                    | 27.1 (26,5)          | 28,360                 | 27.6 (27,6)          | 13,416               | 28.2 (28,9)          | 27,139                     | 27.8 (28,3)          | 17,629           | 26.5 (27,6)          |
| F – Mental and behavioural disorders  | 683,194          | 150.0 (150,7)        | 197,626                   | 139.9 (142,8)        | 155,979                | 152.0 (153,8)        | 67,510               | 141.9 (140,9)        | 161,658                    | 165.7 (164,2)        | 100,421          | 151.1 (150,2)        |
| <b>Having one or more chronic conditions</b>  | <b>2,989,441</b> | <b>656.2 (657,2)</b> | <b>881,379</b>            | <b>623.7 (638,4)</b> | <b>674,263</b>         | <b>657.0 (663,1)</b> | <b>315,842</b>       | <b>664.0 (657,3)</b> | <b>668,525</b>             | <b>685.1 (677,1)</b> | <b>449,432</b>   | <b>676.3 (658,6)</b> |
| <b>Mean number of chronic conditions (std. dev)</b>   | <b>2.2 (2,8)</b> | <b>-</b>             | <b>2.0 (2,7)</b>          | <b>-</b>             | <b>2.2 (2,8)</b>       | <b>-</b>             | <b>2.2 (2,7)</b>     | <b>-</b>             | <b>2.4 (2,9)</b>           | <b>-</b>             | <b>2.3 (2,8)</b> | <b>-</b>             |
| Depression medicine <sup>c</sup> **   | 529,918          | 116.3 (116,7)        | 141,371                   | 100.0 (102,8)        | 129,338                | 126.0 (127,9)        | 54,988               | 115.6 (114,5)        | 126,599                    | 129.7 (127,8)        | 77,622           | 116.8 (114,5)        |
| Antipsychotic medicine <sup>c</sup> **  | 138,625          | 30.4 (30,6)          | 38,012                    | 26.9 (28,1)          | 29,576                 | 28.8 (29,3)          | 14,439               | 30.4 (29,6)          | 34,688                     | 35.5 (34,9)          | 21,910           | 33.0 (32,2)          |
| Indication prescribed anxiety medicine <sup>c</sup> **  | 102,568          | 22.5 (22,6)          | 28,692                    | 20.3 (20,7)          | 24,733                 | 24.1 (24,4)          | 11,011               | 23.2 (23,2)          | 22,108                     | 22.7 (22,5)          | 16,024           | 24.1 (23,8)          |
| Heart failure medication <sup>c</sup> **  | 7,468            | 1.6 (1,7)            | 2,404                     | 1.7 (1,9)            | 1,838                  | 1.8 (1,8)            | 693                  | 1.5 (1,3)            | 1,265                      | 1.3 (1,2)            | 1,268            | 1.9 (1,7)            |
| Ischaemic heart medication <sup>c</sup> **  | 129,484          | 28.4 (28,5)          | 34,107                    | 24.1 (27,2)          | 31,561                 | 30.8 (31,5)          | 14,609               | 30.7 (28,3)          | 28,522                     | 29.2 (27,2)          | 20,685           | 31.1 (28,4)          |
| <b>All of the five types of medicine above</b>  | <b>688,006</b>   | <b>151.0 (151,6)</b> | <b>186,130</b>            | <b>131.7 (137,7)</b> | <b>164,098</b>         | <b>159.9 (162,5)</b> | <b>72,462</b>        | <b>152.3 (148,9)</b> | <b>161,572</b>             | <b>165.6 (161,8)</b> | <b>103,744</b>   | <b>156.1 (151,1)</b> |

<sup>c</sup> complex defined condition, see reference for further details [1]. \*\* 2-year prevalence. Note that the region is the origin of the patients' home resident region. Conditions marked 'A' overlap

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