**Table S4: Disease prevalence in classes in the age group 16-44 years**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **’No or few diseases’****%** | **’Bone-, joint diseases’****%** | **’Mental illness, epilepsy’****%** | **’Asthma, allergy’****%** | **’Diabetes, heart diseases’****%** |
| Diabetes | <1 | 2 | 4 | 1 | 44 |
| Osteoporosis | <1 | 11 | 1 | 1 | 2 |
| Thyroid diseases | 1 | 13 | 5 | 3 | 7 |
| Ischemic heart disease and heart failure | <1 | 1 | <1 | <1 | 19 |
| Pulmonary heart disease and diseases of pulmonary circulation | <1 | 1 | <1 | <1 | 1 |
| Atrial fabrillation and flutter | <1 | 1 | <1 | <1 | 6 |
| Aortic and mitral valve disease | <1 | 2 | <1 | <1 | 2 |
| Atherosclerosis | <1 | <1 | <1 | <1 | 1 |
| Phlebitis and thrombophlebitis | <1 | <1 | <1 | <1 | <1 |
| Hypertensive diseases | <1 | 20 | 7 | 2 | 66 |
| Disorders of lipoprotein metabolism and other lipidaemias | <1 | <1 | 3 | <1 | 64 |
| Crohns’s disease and ulcerative colitis | <1 | 9 | 2 | 1 | 3 |
| Irritable bowel disease | <1 | 9 | 4 | 4 | 1 |
| Diseases of liver, biliary tract and pancreas | <1 | 3 | 1 | <1 | 4 |
| Stroke and transient cerebral ischemic attacks and related syndromes and vascular syndromes of the brain in cerebrovascular diseases | <1 | 5 | 2 | <1 | 11 |
| Epilepsy | <1 | 19 | 29 | 1 | 7 |
| Migraine and other headache syndromes | 2 | 24 | 9 | 4 | 6 |
| Dementia | <1 | <1 | <1 | <1 | <1 |
| Parkinson’s disease | <1 | <1 | 3 | <1 | 1 |
| Sclerosis | <1 | 3 | <1 | <1 | <1 |
| COPD and chronic lower respiratory diseases | <1 | 6 | 2 | <1 | 4 |
| Asthma | 3 | 5 | 8 | 100 | 9 |
| Chronic kidney disease | <1 | 1 | <1 | <1 | 11 |
| Malignant neoplasms of digestive organs | <1 | 4 | <1 | <1 | <1 |
| Malignant neoplasms of respiratory and intrathoracic organs | <1 | <1 | <1 | <1 | <1 |
| Malignant melanoma of skin | <1 | <1 | <1 | <1 | <1 |
| Malignant neoplasm of breast | <1 | <1 | <1 | <1 | <1 |
| Malignant neoplasms of genital organs | <1 | 1 | <1 | <1 | <1 |
| Other malignant neoplasms excluding metastases | <1 | 1 | <1 | <1 | <1 |
| Depression | 3 | 8 | 68 | 5 | 13 |
| Anxiety | <1 | 1 | 36 | 1 | 4 |
| Schizophrenia | <1 | <1 | 30 | <1 | 5 |
| Bipolar affective disorder | <1 | <1 | 13 | <1 | <1 |
| PTSD | <1 | <1 | 10 | <1 | 1 |
| Obsessive-compulsive disorder | <1 | <1 | 12 | <1 | <1 |
| Eating disorders | <1 | 2 | 10 | <1 | <1 |
| Alcohol attributable diseases | <1 | <1 | <1 | <1 | 1 |
| Respiratory allergy | 6 | 16 | 15 | 98 | 10 |
| HIV/AIDS | <1 | <1 | <1 | <1 | <1 |
| Inflammatory polyarthropathies | <1 | 5 | <1 | <1 | 3 |
| Arthrosis | <1 | 11 | 1 | 2 | 5 |
| Spondylopathies and other dorsopathies | 4 | 35 | 12 | 8 | 13 |
| Fibromyalgia | <1 | 2 | <1 | <1 | <1 |
| Injuries of nerves and spinal cord and paralytic syndromes | <1 | 6 | <1 | <1 | <1 |
| Blindness | <1 | 1 | <1 | <1 | <1 |
| Tinnitus | <1 | 1 | 1 | <1 | <1 |
| Congenital malformations, deformations and chromosomal abnormalities | 3 | 19 | 5 | 5 | 9 |