





Table A.1: Exclusion criteria for UK Biobank

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**Age and body mass:** Age >74

**Medical conditions:** Adrenocortical insufficiency/Addison's disease, Alcoholic liver disease/alcoholic cirrhosis, Anaemia, Angina, Ankylosing spondylitis, Anorexia/bulimia/other eating disorder, Antiphospholipid syndrome, Aortic aneurysm, Aortic regurgitation/incompetence, Aortic stenosis, Aplastic anaemia, Asthma, Atrial fibrillation, Atrial flutter, Bronchiectasis, Cardiomyopathy, Chronic obstructive airways disease/COPD, Clotting disorder/excessive bleeding, Connective tissue disorder, Crohns disease, Diabetes, Diabetes insipidus, Diabetic eye disease, Diabetic neuropathy/ulcers, Doctor diagnosed bronchiectasis, Emphysema, Emphysema/chronic bronchitis, Essential hypertension, Fibrosing alveolitis/unspecified alveolitis, Gestational diabetes, Gestational diabetes only, Gestational hypertension/pre-eclampsia, Giant cell/temporal arteritis, Glomerulonephritis, Grave's disease, Haemochromatosis, Haemophilia, Heart arrhythmia, Heart attack/myocardial infarction, Heart failure/pulmonary edema, Heart valve problem/heart murmur, Heart/cardiac problem, Hereditary/genetic haematological disorder, High cholesterol, Hyperaldosteronism/Conn's syndrome, Hyperprolactinaemia, Hypertension, Hyperthyroidism/thyrotoxicosis, Hypertrophic cardiomyopathy (HCM / HOCM), Hypopituitarism, Hypothyroidism / myxoedema, Iga nephropathy, Inflammatory bowel disease, Interstitial lung disease, Iron deficiency anaemia, Irregular heart beat, Kidney nephropathy, Leg claudication/intermittent claudication, Liver failure/cirrhosis, Low platelets/platelet disorder, Lymphoedema, Microscopic polyarteritis, Miscarriage, Mitral regurgitation/incompetence, Mitral valve disease, Mitral valve prolapse, Monoclonal gammopathy/not myeloma, Myeloproliferative disorder, Myocarditis, Myositis/myopathy, Nephritis, Neutropenia/lymphopenia, Other respiratory problems, Pericardial effusion, Pericardial problem, Pericarditis, Peripheral vascular disease, Pernicious anaemia, Pleural effusion, Pleural plaques (not known asbestosis), Polycythaemia vera, Polymyalgia rheumatica, Polymyositis, Pulmonary embolism +/- DVT, Renal failure not requiring dialysis, Renal/kidney failure, Respiratory failure, Retinal artery/vein occlusion, Rheumatic fever, Sarcoidosis, Sick sinus syndrome, Sickle cell disease, Sjogren's syndrome/sicca syndrome, Sleep apnoea, Stroke, Surgery/amputation of leg above the knee, Surgery/amputation of leg below the knee, Surgery/amputation of toe, SVT/supraventricular tachycardia, Systemic lupus erythematosus/SLE, Transient ischaemic attack (TIA), Type 1 diabetes, Type 2 diabetes, Ulcerative colitis, Vasculitis, Wegners granulomatosis, Wolff parkinson white/WPW syndrome

**Medications:** Blood pressure medication, Cholesterol lowering medication, Hormone replacement therapy, Insulin

**Symptoms:** Chest pain due to walking ceases when standing still, Chest pain when walking uphill or hurrying, Shortness of breath walking on level ground, Unable to walk up hills or to hurry

**Smoking history:** Current smoker, Ex-smoker

**Ethnicity:** African, Any other Asian background, Any other Black background, Any other mixed background, Asian or Asian British, Bangladeshi, Black or Black British, Caribbean, Chinese, Do not know, Indian, Other ethnic group, Pakistani, Prefer not to answer, White and Asian, White and Black African, White and Black Caribbean

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