Variables adjusted for in table 3

- Rheumatoid arthritis women: age, age³, bmi, ethnicity, smoking, hypothyroidism
- Rheumatoid arthritis men age, age³, bmi, ethnicity smoking, hypothyroidism
- Parkinson's disease women: age², age³, bmi, smoking, tricylic antidepressants, depression, cardiovascular disease
- Parkinson's disease men: age³, age³ln(age), bmi, smoking, tricylic antidepressants, depression, cardiovascular disease
- Venous thrombo-embolism women: age^{-0.5}, ln(age), bmi⁻², bmi⁻²ln(bmi), smoking, tricylic antidepressants, stage 3b+ kidney disease, rheumatoid arthritis, malabsorption, corticosteroids, SLE, depression, falls, antipsychotics, any cancer, asthma, hormone replacement therapy, combined oral contraceptive, liver disease, peripheral vascular disease
- Venous thrombo-embolism men: age³, age³ln(age), bmi⁻², bmi⁻²ln(bmi), smoking, tricylic antidepressants, stage 3b+ kidney disease, rheumatoid arthritis, malabsorption, corticosteroids, SLE, depression, falls, asthma, cardiovascular disease, antipsychotic, any cancer, liver disease, peripheral vascular disease
- Dementia women: age³, age³ln(age), bmi⁻², type 2 diabetes, cardiovascular disease, tricylic antidepressants, SSRI, depression
- Dementia men age³, age³ln(age), bmi², bmi²ln(bmi), type 2 diabetes, cardiovascular disease, tricylic antidepressants, SSRI, depression
- Osteoporotic fracture women: age⁻¹, age⁻¹ln(age), bmi⁻¹, HRT, smoking status, peripheral vascular disease, chronic renal disease, rheumatoid arthritis, type1 diabetes, type 2 diabetes, cardiovascular disease, asthma, tricylic antidepressants, corticosteroids, falls, liver disease, depression
- Osteoporotic fracture men: age¹, age², bmi², smoking status, peripheral vascular disease, chronic renal disease, rheumatoid arthritis, type1 diabetes, type2 diabetes, cardiovascular disease, asthma, tricylic antidepressants, corticosteroids, falls, liver disease
- Gastric cancer women: age³, age³ln(age), bmi⁻², bmi⁻²ln(bmi), Townsend score, HRT, smoking status type2 diabetes
- Gastric cancer men: age³, age³ln(age), bmi^{0.5}, bmi, Townsend score, smoking status, type2 diabetes
- Colon cancer women: age, age³, bmi, Townsend score, smoking status, colorectal polyps, type2 diabetes
- Colon cancer men: : age², age²ln(age), bmi, Townsend score smoking status, colorectal polyps, type2 diabetes
- Renal cancer women: age^{-0.5}, bmi, smoking status, nsaids, treated hypertension, any other cancer
- Renal cancer men: age, age³, bmi, Townsend score, smoking status, nsaids, treated hypertension, any other cancer
- Lung cancer women: age ^{0.5}, age³ bmi⁻², bmi⁻²ln(bmi), Townsend score, smoking status, any other cancer, corticosteroids, asthma
- Lung cancer men: age, age*ln(age), bmi⁻¹, bmi⁻¹ln(bmi), Townsend score, smoking status, any other cancer, corticosteroids, asthma
- Melanoma women: age⁻¹, bmi, Townsend score, smoking status, treated hypertension any other cancer, endocrine disorders, benign breast disease

- Melanoma men: : age³, age³ln(age), bmi⁻², bmi⁻²*ln(bmi), Townsend score, smoking status, treated hypertension, any other cancer, endocrine
- Breast cancer women: age⁻¹, age⁻¹ln(age), bmi⁻², bmi³, Townsend score, HRT, family history breast cancer, benign breast disease, oral contraceptive, any other cancer
- Prostate cancer men: age⁻¹, age^{-0.5}, bmi⁻², bmi^{-0.5}, smoking status

Variables adjusted for in tables 4 and 5

- Cataract women: age³, age³ln(age), ln(bmi), bmi^{0.5}, ethnicity, smoking, cardiovascular disease, type 1 diabetes, type 2 diabetes, rheumatoid arthritis, atrial fibrillation, corticosteroids;
- Cataract men: age³, age³ln(age), bmi⁻², bmi⁻¹, Townsend score, ethnicity, smoking, cardiovascular disease, type 1 diabetes, type 2 diabetes, atrial fibrillation, corticosteroids
- Myopathy women: age³, age³ln(age), bmi, ethnicity, type 1 diabetes, type 2 diabetes, treated hypertension, liver, hypothyroidism, corticosteroids
- Myopathy men: age³, age³ln(age), bmi, ethnicity, type 2 diabetes, corticosteroids
- Acute renal failure women: age⁻¹, age^{-0.5}, bmi⁻², bmi⁻²ln(bmi), Townsend score, smoking, diabetes, congestive cardiac failure, corticosteroids, treated hypertension (which is a composite variable which could include ACE inhibitors, ARB, aldosterone, beta blockers, thiazides or, calcium channel blockers), stage 3b+ kidney disease
- Acute renal failure men: age⁻¹, age⁻¹ln(age), bmi⁻², bmi⁻¹, Townsend score, smoking, diabetes, congestive cardiac failure, corticosteroids, treated hypertension(which is a composite variable which could include ACE inhibitors, ARB, aldosterone, beta blockers, thiazides or, calcium channel blockers), stage 3b+ kidney disease
- Liver dysfunction women; age, age², bmi³, bmi³ln(bmi), Townsend score, ethnicity, smoking, liver disease, type 1 diabetes, type 2 diabetes, cardiovascular disease, treated hypertension, rheumatoid arthritis, corticosteroids
- Liver dysfunction men age, age², bmi³, bmi³ln(bmi), Townsend score, ethnicity, smoking, liver disease, type 1 diabetes, type 2 diabetes, cardiovascular disease, treated hypertension, rheumatoid arthritis, corticosteroids
- oesophageal cancer women: age⁻¹ bmi⁻², bmi⁻²ln(bmi), Townsend score, smoking status, type2 diabetes
- oesophageal cancer men: age⁻¹ bmi⁻², bmi⁻²ln(bmi), Townsend score, smoking status, type2 diabetes