

# Supplementary File 1: Genetic variants and associated traits in previous GWAS ( $p < 5 \times 10^{-8}$ )

PC1	
SNP (lead SNP)	Trait
rs1841499	Age at menarche
	Alcohol intake versus 10 years previously
	Ambidextrous
	Basal metabolic rate
	Body fat percentage
	BMI
	Fluid intelligence score
	Hayfever, allergic rhinitis or eczema
	Hip circumference
	Impedance
	Long-standing illness, disability or infirmity
	Medication for cholesterol, blood pressure or diabetes: none of the above
	No blood clot, bronchitis, emphysema, asthma, rhinitis, eczema or allergy diagnosed by doctor
	Number of self-reported non-cancer illnesses
	Number of treatments or medications taken
	Obesity class 1
	Obesity class 2
	Obesity class 3
	Overweight
	Pulse rate
	Qualifications: college or university degree
	Qualifications: none
	Qualifications: other professional qualifications
	Relative age of first facial hair
	Seen doctor for nerves, anxiety, tension or depression
	Sodium in urine

	Types of transport used, excluding work: public transport Waist circumference Weight Whole body fat mass Whole body fat-free mass Whole body water mass Years of educational attainment
rs1514175 (rs1514174)	Age at menarche Basal metabolic rate BMI Childhood BMI Childhood obesity Ever smoked Extreme obesity body mass index Extreme obesity with early age of onset Hip circumference Impedance Obesity class 1 Obesity with early age of onset age 2 Overweight Past tobacco smoking Relative age of first facial hair Relative age voice broke Waist circumference Weight Whole body fat mass Whole body fat-free mass Whole body water mass
	Basal metabolic rate BMI Body fat percentage Height

rs12401738	Hip circumference Impedance Waist circumference Weight Whole body fat mass Whole body fat-free mass Whole body water mass Years of educational attainment
rs11165643	Basal metabolic rate BMI Body fat percentage Hip circumference Treatment with olmesartan Waist circumference Weight Whole body fat mass Whole body fat-free mass Whole body water mass
rs633715	Age at menarche Basal metabolic rate BMI Body fat percentage Childhood BMI Childhood obesity Hip circumference Impedance Menarche Menarche age at onset Obesity Obesity class 1 Obesity class 2 Obesity class 3

	Obesity with early age of onset age 2 Overweight Relative age of first facial hair Waist circumference Waist hip ratio Weight Whole body fat mass Whole body fat-free mass Whole body water mass
rs11127483	Age at menarche Basal metabolic rate BMI Body fat percentage Childhood BMI Childhood obesity Diastolic blood pressure Heel bone mineral density Hip circumference Impedance Obesity class 1 Obesity class 2 Obesity class 3 Obesity with early age of onset age 2 Overweight Past tobacco smoking Relative age of first facial hair Systolic blood pressure Waist circumference Weight Whole body fat mass Whole body fat-free mass Whole body water mass

rs12986742	Basal metabolic rate BMI Body fat percentage Getting up in morning Hip circumference Impedance Waist circumference Weight Whole body fat mass Whole body fat-free mass Whole body water mass
rs7570971 (rs1375131)	Blood metabolite levels BMI Body fat percentage Cholesterol Forced expiratory volume in 1 sec Forced vital capacity Hand grip strength Height Hip circumference LDL Low density lipoprotein Monocyte percentage of white cells Parkinsons disease Sleep duration Total cholesterol Type II diabetes Waist circumference Weight Whole body fat mass
	Basal metabolic rate

rs3911063	BMI Body fat percentage Ever smoked Hip circumference Impedance Past tobacco smoking Qualifications: A levels or as levels or equivalent Qualifications: college or university degree Qualifications: other professional qualifications Smoking status: previous Waist circumference Weight Whole body fat mass Whole body fat-free mass Whole body water mass Years of educational attainment
rs7640424	BMI Hip circumference Impedance Qualifications: A levels or as levels or equivalent Years of educational attainment
	Allergic disease Basal metabolic rate Birth weight of first child Body fat percentage Ever had prostate specific antigen test Forced expiratory volume in 1 sec Forced vital capacity Hair or balding pattern Hand grip strength Hayfever, allergic rhinitis or eczema Heel bone mineral density

rs1582874	Height Hip circumference Lymphocyte percentage of white cells Mean corpuscular hemoglobin Mean corpuscular volume Myopia Neutrophil percentage of white cells No blood clot, bronchitis, emphysema, asthma, rhinitis, eczema or allergy diagnosed by doctor Potassium in urine Pulse rate Red blood cell count Relative age of first facial hair Self-reported enlarged prostate Waist circumference Weight Whole body fat mass Whole body fat-free mass Whole body water mass
rs7647305	Basal metabolic rate BMI Hip circumference Impedance Obesity class 1 Obesity class 2 Overweight Waist circumference Weight Whole body fat mass Whole body fat-free mass Whole body water mass
	Age at menarche Basal metabolic rate

rs10938397

BMI  
Body fat percentage  
Childhood BMI  
Childhood obesity  
Extreme obesity with early age of onset  
Hip circumference  
Impedance  
log Fast insulin  
Menarche age at onset  
Obesity  
Obesity class 1  
Obesity class 2  
Obesity class 3  
Obesity with early age of onset age 2  
Overweight  
Relative age voice broke  
Waist circumference  
Waist hip ratio  
Weight  
Whole body fat mass  
Whole body fat-free mass  
Whole body water mass

Basal metabolic rate  
BMI  
Body fat percentage  
Diabetes diagnosed by doctor  
Diastolic blood pressure  
Hip circumference  
Impedance  
LDL cholesterol  
Low density lipoprotein  
Obesity



rs2307111	Obesity class 1 Obesity class 2 Overweight Pain type experienced in last month: headache Platelet count Pulse rate Self-reported diabetes Self-reported high cholesterol Snoring Total cholesterol Usual walking pace Waist circumference Weight Whole body fat mass Whole body fat-free mass Whole body water mass
rs943466 (rs2281819)	BMI Body fat percentage Hip circumference Pack years adult smoking as proportion of life span exposed to smoking Platelet count Plateletcrit Pulse rate Waist circumference Whole body fat mass
	Adiposity Age at menarche Basal metabolic rate BMI Body fat percentage Childhood BMI Diabetes diagnosed by doctor

rs987237

Extreme obesity with early age of onset  
Getting up in morning  
Hip circumference  
Impedance  
Medication for cholesterol, blood pressure or diabetes: blood pressure medication  
Medication for cholesterol, blood pressure or diabetes: none of the above  
Morning or evening person  
Obesity class 1  
Obesity class 2  
Obesity class 3  
Overweight  
Self-reported diabetes  
Treatment with metformin  
Waist circumference  
Waist hip ratio  
Weight  
Whole body fat mass  
Whole body fat-free mass  
Whole body water mass

rs9398172

Age at menarche  
Basal metabolic rate  
BMI  
Fluid intelligence score  
Height  
High light scatter percentage of red cells  
Hip circumference  
Impedance  
Intelligence  
Intracranial volume  
Mean time to correctly identify matches  
Number of days or week of vigorous physical activity 10+ minutes  
Peak expiratory flow

	<p>Qualifications: college or university degree</p> <p>Qualifications: none</p> <p>Relative age of first facial hair</p> <p>Schizophrenia</p> <p>Waist circumference</p> <p>Weight</p> <p>Whole body fat mass</p> <p>Whole body fat-free mass</p> <p>Whole body water mass</p>
rs4536164 (rs4514364)	<p>Age at menarche</p> <p>Basal metabolic rate</p> <p>BMI</p> <p>Body fat percentage</p> <p>Hip circumference</p> <p>Impedance</p> <p>Lumbar spine bone mineral density in females</p> <p>Obesity class 1</p> <p>Overweight</p> <p>Survival in pancreatic cancer</p> <p>Waist circumference</p> <p>Weight</p> <p>Whole body fat mass</p> <p>Whole body fat-free mass</p> <p>Whole body water mass</p>
	<p>Age at menarche</p> <p>Basal metabolic rate</p> <p>BMI</p> <p>Body fat percentage</p> <p>Childhood BMI</p> <p>Coronary artery disease</p> <p>Ever smoked</p> <p>Falls in the last year</p>

rs7103411

Forced vital capacity  
Hip circumference  
Impedance  
Menarche age at onset  
Obesity class 1  
Obesity class 2  
Overweight  
Past tobacco smoking  
Relative age of first facial hair  
Relative age voice broke  
Snoring  
Waist circumference  
Waist hip ratio  
Weight  
Whole body fat mass  
Whole body fat-free mass  
Whole body water mass

rs297924

Age at menarche  
Basal metabolic rate  
BMI  
Body fat percentage  
Childhood BMI  
Childhood obesity  
Hip circumference  
Home area population density: Scotland large urban area  
Impedance  
Obesity  
Obesity class 1  
Obesity class 2  
Obesity with early age of onset age 2  
Waist circumference  
Weight

	Whole body fat mass
	Whole body fat-free mass
	Whole body water mass
rs7970350	Alcohol intake frequency
	Basal metabolic rate
	Birth weight
	Birth weight of first child
	Birthlength
	BMI in males less than or equal to 50 years of age
	Diabetes diagnosed by doctor
	Forced expiratory volume in 1 sec
	Forced vital capacity
	Hand grip strength
	Height
	Hip circumference
	Impedance
	Infant head circumference
	Infant length
	Maternal effects on offspring birthweight
	Number of self-reported non-cancer illnesses
	Overall health rating
	Peak expiratory flow
	Pulse rate
	Self-reported diabetes
	Self-reported high cholesterol
	Systolic blood pressure
	Treatment with metformin
	Waist circumference
	Weight
	Whole body fat mass
	Whole body fat-free mass
	Whole body water mass

rs4883723	Basal metabolic rate BMI Body fat percentage Childhood BMI Childhood obesity Hip circumference Leg impedance Obesity with early age of onset age 2 Waist circumference Weight Whole body fat mass Whole body fat-free mass Whole body water mass
rs7141420	Basal metabolic rate BMI Body fat percentage Hip circumference Impedance Obesity Obesity class 1 Obesity class 2 Overweight Sodium in urine Waist circumference Waist hip ratio Weight Whole body fat mass Whole body fat-free mass Whole body water mass
	Age at menarche Basal metabolic rate

rs4776970

BMI  
Body fat percentage  
Diastolic blood pressure  
Hip circumference  
Impedance  
Obesity class 1  
Obesity class 2  
Overweight  
Past tobacco smoking  
Vascular or heart problems diagnosed by doctor: high blood pressure  
Vascular or heart problems diagnosed by doctor: none of the above  
Waist circumference  
Waist hip ratio  
Weight  
Whole body fat mass  
Whole body fat-free mass  
Whole body water mass

rs12446632

Age at menarche  
Basal metabolic rate  
BMI  
Childhood BMI  
Hand grip strength  
Heel bone mineral density  
High density lipoprotein  
Hip circumference  
Impedance  
Menarche age at onset  
Obesity  
Obesity class 1  
Obesity class 2  
Overweight  
Waist circumference

	Weight Whole body fat mass Whole body fat-free mass Whole body water mass
rs11074446 (rs7188545)	Basal metabolic rate BMI Body fat percentage Hip circumference Impedance Overweight Waist circumference Whole body fat mass Whole body fat-free mass Whole body water mass
rs8049439	Alcohol intake frequency Basal metabolic rate BMI Body fat percentage Crohns disease Educational attainment Fluid intelligence score Gene expression Hand grip strength Hip circumference Inflammatory bowel disease Inflammatory bowel disease early onset Intelligence Intelligence multi trait analysis Leg impedance Mean corpuscular volume Nonsyndromic striar distensae stretch marks Obesity class 1



rs12597511

Obesity class 2  
Overweight  
Qualifications: college or university degree  
Qualifications: none  
Red blood cell count  
Suffer from nerves  
Types of physical activity in last 4 weeks: light diy  
Usual walking pace  
Waist circumference  
Waist hip ratio  
Weight  
Whole body fat mass  
Whole body fat-free mass  
Whole body water mass  
Years of educational attainment  
Alcohol intake frequency  
Basal metabolic rate  
BMI  
Body fat percentage  
Diastolic blood pressure  
Dose change in phenprocoumon warfarin in mgweek per allele  
Forced expiratory volume in 1 sec  
Forced vital capacity  
Hip circumference  
Illnessess of siblings: high blood pressure  
Illnessess of siblings: none of the above  
Impedance  
Lymphocyte count  
Mean corpuscular hemoglobin  
Mean corpuscular volume  
Nervous feelings  
Number of incorrect marches in round

Overall health rating  
Self-reported hypertension  
Snoring  
Time spent watching tv  
Types of physical activity in last 4 weeks: walking for pleasure  
Usual walking pace  
Vascular or heart problems diagnosed by doctor: high blood pressure  
Vascular or heart problems diagnosed by doctor: none of the above  
Waist circumference  
Weight  
Whole body fat mass  
Whole body fat-free mass  
Whole body water mass

Age at menarche  
Alcohol intake frequency  
Average weekly beer plus cider intake  
Average weekly red wine intake  
Average weekly spirits intake  
Basal metabolic rate  
BMI  
Body fat percentage  
Childhood BMI  
Childhood obesity  
Creatinine in urine  
Cystatin C in serum  
Diabetes diagnosed by doctor  
Extreme obesity with early age of onset  
Getting up in morning  
HbA1c  
HDL cholesterol  
Heel bone mineral density  
High density lipoprotein

rs1121980

Hip circumference  
Illnesses of father: diabetes  
Illnesses of mother: diabetes  
Illnesses of siblings: high blood pressure  
Impedance  
log Fast insulin  
log Leptin  
Medication for cholesterol, blood pressure or diabetes: blood pressure medication  
Medication for cholesterol, blood pressure or diabetes: none of the above  
Morning or evening person  
Number of treatments or medications taken  
Obesity  
Obesity class 1  
Obesity class 2  
Obesity class 3  
Obesity early onset extreme  
Obesity with early age of onset age 2  
Overall health rating  
Overweight  
Relative age of first facial hair  
Relative age voice broke  
Self-reported breast cancer  
Self-reported diabetes  
Self-reported hypertension  
Sleep duration  
Snoring  
Sodium in urine  
Treatment with bendroflumethiazide  
Treatment with blood pressure medication  
Treatment with gliclazide  
Treatment with metformin  
Triglycerides

	Type II diabetes Type II diabetes combined control dataset Usual walking pace Vascular or heart problems diagnosed by doctor: high blood pressure Vascular or heart problems diagnosed by doctor: none of the above Waist circumference Waist hip ratio Weight Whole body fat mass Whole body fat-free mass Whole body water mass
rs969438	BMI Obesity class 1 Trunk fat percentage Waist circumference Weight
	Alcohol intake frequency Antipsychotic drug induced weight gain Basal metabolic rate BMI Body fat percentage Childhood BMI Childhood obesity Coronary artery disease Diabetes diagnosed by doctor Fat body mass Forced expiratory volume in 1 sec Hand grip strength HDL cholesterol Height High density lipoprotein Hip circumference

rs6567160

Impedance  
Myocardial infarction  
Nervous feelings  
Obesity class 1  
Obesity class 2  
Obesity with early age of onset age 2  
Overweight  
Self-reported diabetes  
Suffer from nerves  
Treatment with levothyroxine sodium  
Type II diabetes  
Vascular or heart problems diagnosed by doctor: high blood pressure  
Vascular or heart problems diagnosed by doctor: none of the above  
Waist circumference  
Waist hip ratio  
Weight  
Whole body fat mass  
Whole body fat-free mass  
Whole body water mass  
Worrier or anxious feelings

PC2	
SNP (lead SNP)	Trait
rs2284746	BMI Forced vital capacity Gene expression Height Hematocrit Hip circumference Impedance Pulmonary function Waist circumference Whole body fat-free mass Whole body water mass
rs2903545	Hand grip strength Height Hip circumference Sum eosinophil basophil counts Trunk fat-free mass Whole body fat-free mass Whole body water mass
rs11209376	Creatinine in urine Diastolic blood pressure Forced expiratory volume in 1 sec Forced vital capacity Hand grip strength Heel bone mineral density Height Hip circumference Potassium in urine Weight

	Whole body fat-free mass Whole body water mass
rs17391694	Alcohol intake frequency Basal metabolic rate BMI Creatinine in urine Crohns disease Forced vital capacity Height Hip circumference Impedance Leg fat percentage Lung cancer Mean corpuscular hemoglobin concentration Time spent watching tv Waist circumference Weight Whole body fat-free mass Whole body water mass
rs7536458	Basal metabolic rate Forced expiratory volume in 1 sec Hair or balding pattern Height Hip circumference Infant length Leg impedance Trunk fat-free mass Waist circumference Waist hip ratio Whole body fat-free mass Whole body water mass

rs11205303	<p> Basal metabolic rate  Body fat percentage  Breast cancer  Coronary artery disease  Forced expiratory volume in 1 sec  Forced vital capacity  Forced vital capacity  Granulocyte percentage of myeloid white cells  Heel bone mineral density  Height  Hip circumference  Hip circumference  Impedance  Infant length  Trunk fat mass  Trunk fat percentage  Waist circumference  Weight  Whole body fat mass  Whole body fat-free mass  Whole body water mass </p>
rs1752388 (rs2298265)	<p>Height</p>
rs905938	<p> Basal metabolic rate  Birth length  Birth weight  BMI  Eosinophil percentage of granulocytes  Hayfever, allergic rhinitis or eczema  Height  Hip circumference  Impedance </p>



	Neutrophil percentage of granulocytes Sum eosinophil basophil counts Trunk fat-free mass Waist circumference Waist hip ratio Weight Whole body fat-free mass Whole body water mass
rs11584955	Basal metabolic rate Forced expiratory volume in 1 sec Forced vital capacity Hair or balding pattern Heel bone mineral density Height Hematocrit Hemoglobin concentration Hip circumference Mean platelet volum Platelet distribution width Red blood cell count Weight Whole body fat-free mass Whole body water mass
rs1014719	Basal metabolic rate Forced expiratory volume in 1 sec Forced vital capacity Hand grip strength Height Impedance Weight Whole body fat-free mass

	Whole body water mass
rs1046934	Basal metabolic rate Forced expiratory volume in 1 sec Forced vital capacity Gene expression Hand grip strength Height Hip circumference Impedance Myopia Waist circumference Weight Whole body fat-free mass Whole body water mass
rs1415288	Adiponectin levels Body fat percentage Coxarthrosis Falls in the last year Femoral hernia Height Hip circumference Impedance Inguinal hernia Trunk fat percentage Type II diabetes Umbilical hernia Ventral hernia Waist circumference Waist hip ratio Weight Whole body fat mass

rs12093031 (rs10799424)	Forced expiratory volume in 1 sec Forced vital capacity Hand grip strength Height Hip circumference Impedance Trunk fat-free mass Waist circumference
rs2278483	BMI Body fat percentage Childhood BMI Forced vital capacity Hand grip strength Height Hip circumference Trunk fat-free mass Waist circumference
rs2289195	Basal metabolic rate Forced expiratory volume in 1 sec Forced vital capacity Hand grip strength Height Leg impedance Waist circumference Whole body fat-free mass Whole body water mass
	Basal metabolic rate Forced expiratory volume in 1 sec Height

rs1545552	Hip circumference Hip circumference Weight Whole body fat-free mass Whole body water mass
rs6740539	Height
rs3791675	Basal metabolic rate Forced expiratory volume in 1 sec Forced vital capacity Height Hip circumference Impedance Inguinal hernia Mononeuropathies of upper limb Peak expiratory flow Waist circumference Weight Whole body fat mass Whole body fat-free mass Whole body water mass
rs1913671	Getting up in morning Height Hip circumference Trunk fat-free mass Waist circumference Whole body fat-free mass
	Basal metabolic rate Height Hip circumference

rs1478576	Impedance Weight Whole body fat mass Whole body fat-free mass Whole body water mass
rs3103267	Basal metabolic rate Forced expiratory volume in 1 sec Forced vital capacity Height Waist circumference Whole body fat-free mass Whole body water mass
rs2270894	Basal metabolic rate Birth weight Forced vital capacity Height Hip circumference Weight Whole body fat-free mass Whole body water mass
rs2581830	Arm impedance Birth weight BMI Crohns disease Forced vital capacity Hand grip strength Height Hip circumference Trunk fat-free mass Usual walking pace

rs9833926	<p>Basal metabolic rate</p> <p>Hayfever, allergic rhinitis or eczema</p> <p>Heel bone mineral density</p> <p>Height</p> <p>Hematocrit</p> <p>Hemoglobin concentration</p> <p>Hip circumference</p> <p>Lymphocyte count</p> <p>No blood clot, bronchitis, emphysema, asthma, rhinitis, eczema or allergy diagnosed by doctor</p> <p>Red blood cell count</p> <p>Waist circumference</p> <p>Weight</p> <p>Whole body fat-free mass</p> <p>Whole body water mass</p>
rs6439168	<p>Basal metabolic rate</p> <p>Forced expiratory volume in 1 sec</p> <p>Forced vital capacity</p> <p>Height</p> <p>Hip circumference</p> <p>Usual walking pace</p> <p>Weight</p> <p>Whole body fat-free mass</p> <p>Whole body water mass</p>
	<p>Allergic disease</p> <p>Basal metabolic rate</p> <p>Birth weight of first child</p> <p>Body fat percentage</p> <p>Crohns disease</p>

rs724016

Diastolic blood pressure  
Ever had prostate specific antigen test  
Forced expiratory volume in 1 sec  
Forced vital capacity  
Hair or balding pattern  
Hand grip strength  
Hayfever, allergic rhinitis or eczema  
Heel bone mineral density  
Height  
Hip circumference  
Infant length  
Lymphocyte count  
Lymphocyte percentage of white cells  
Mean corpuscular hemoglobin  
Mean corpuscular volume  
Myopia  
Neutrophil percentage of white cells  
No blood clot, bronchitis, emphysema, asthma, rhinitis, eczema or allergy diagnosed by doctor  
Potassium in urine  
Pulse rate  
Red blood cell count  
Relative age of first facial hair  
Self-reported enlarged prostate  
Trunk fat percentage  
Waist circumference  
Weight  
Whole body fat mass  
Whole body fat-free mass

	Whole body water mass
rs13094143	Average weekly beer plus cider intake Basal metabolic rate Height Hip circumference Monokine induced by gamma interferon levels Trunk fat-free mass Whole body fat-free mass Whole body water mass
rs519384	Age at menarche Basal metabolic rate Forced expiratory volume in 1 sec Forced vital capacity Height Impedance Peak expiratory flow Pulse rate Trunk fat-free mass Whole body fat-free mass
rs720390	Basal metabolic rate BMI Diabetes diagnosed by doctor Height Hip circumference Illnesses of father: daibetes Platelet count Plateletcrit Self-reported diabetes



	Waist circumference Whole body fat-free mass Whole body water mass
rs6853216	Age at first live birth Basal metabolic rate Birth weight Body fat percentage Diastolic blood pressure Fluid intelligence score Forced expiratory volume in 1 sec Forced vital capacity Hand grip strength Height Hip circumference Number of treatments or medications taken Peak expiratory flow Peritonsillar abscess Qualifications: A levels or as levels or equivalent Self-reported hypertension Systolic blood pressure Time spent watching tv Vascular or heart problems diagnosed by doctor: high blood pressure Vascular or heart problems diagnosed by doctor: none of the above Waist circumference Weight Whole body fat-free mass Whole body water mass
	Body fat percentage

rs4694504	Height Hip circumference Impedance Waist circumference
rs1975474	Basal metabolic rate Forced expiratory volume in 1 sec Forced vital capacity Height Hip circumference Overall health rating Unspecified haematuria Waist circumference Weight Whole body fat mass Whole body fat-free mass Whole body water mass
rs1562975	Height
rs12648786	Basal metabolic rate Birth weight Forced expiratory volume in 1 sec Forced vital capacity Height Hip circumference Peak expiratory flow Waist hip ratio Weight Whole body fat-free mass Whole body water mass

rs7689420	<p>Basal metabolic rate</p> <p>Forced expiratory volume in 1 sec</p> <p>Forced vital capacity</p> <p>Hand grip strength</p> <p>Height</p> <p>Hip circumference</p> <p>Peak expiratory flow</p> <p>Waist circumference</p> <p>Weight</p> <p>Whole body fat mass</p> <p>Whole body fat-free mass</p> <p>Whole body water mass</p>
rs6450922	<p>Basal metabolic rate</p> <p>Height</p> <p>Hip circumference</p> <p>Whole body fat-free mass</p> <p>Whole body water mass</p>
	<p>Basal metabolic rate</p> <p>Diastolic blood pressure</p> <p>Forced expiratory volume in 1 sec</p> <p>Height</p> <p>Hip circumference</p> <p>Illnesses of siblings: high blood pressure</p> <p>Illnesses of siblings: none of the above, group 1</p> <p>Medication for cholesterol, blood pressure or diabetes: blood pressure medication</p> <p>Medication for cholesterol, blood pressure or diabetes: none of the above</p> <p>Number of self-reported non-cancer illnesses</p> <p>Self-reported gestational hypertension or pre-eclampsia</p>

rs7733331

Self-reported hypertension  
Systolic blood pressure  
Treatment with bendroflumethiazide  
Treatment with blood pressure  
Treatment with lisinopril  
Vascular or heart problems diagnosed by doctor: high blood pressure  
Vascular or heart problems diagnosed by doctor: none of the above  
Waist circumference  
Weight  
Whole body fat mass  
Whole body fat-free mass  
Whole body water mass

rs6894139

Basal metabolic rate  
Bone mineral density  
Femoral neck bone mineral density  
Forced expiratory volume in 1 sec  
Forced vital capacity  
Forearm bone mineral density  
Hair or balding pattern  
Height  
Platelet count  
Platelet distribution width  
Plateletcrit  
Whole body fat-free mass  
Whole body water mass

Asthma  
Basal metabolic rate  
Basophil count

rs274567

Blood metabolite levels  
Crohns disease  
Eosinophil percentage of granulocytes  
Eosinophil percentage of white cells  
Eosinophinil count  
Granulocyte count  
Hand grip strength  
Height  
High light scatter percentage of red cells  
Inmature fration of reticulocytes  
Mean platelet volum  
Monocyte count  
Myeloid white cell count  
Neutrophil count  
Neutrophil percentage of granulocytes  
No blood clot, bronchitis, emphysema, asthma, rhinitis, eczema or allergy diagnosed by doctor  
Platelet count  
Reticulocyte fraction of red cells  
Self-reported asthma  
Self-reported hypertension  
Sum basophil neutrophil counts  
Sum eosinophil basophil counts  
Sum neutrophil eosinophil counts  
Treatment with bendroflumethiazide  
Vascular or heart problems diagnosed by doctor: high blood pressure  
Vascular or heart problems diagnosed by doctor: none of the above  
Waist circumference  
Weight

	White blood cell count Whole body fat-free mass Whole body water mass
rs31198	Basal metabolic rate Forced expiratory volume in 1 sec Forced vital capacity Heel bone mineral density Height Whole body fat-free mass Whole body water mass
rs4282339	Basal metabolic rate Forced vital capacity Hand grip strength Height Weight Whole body fat-free mass Whole body water mass
rs153753	Basal metabolic rate Hand grip strength Height Hip circumference Whole body fat-free mass Whole body water mass
rs4868126	Basal metabolic rate Height Hip circumference Waist circumference Weight

	Whole body fat-free mass Whole body water mass
rs4868293	Height Hip circumference
rs2714354	Height
rs3812163	Basal metabolic rate Forced expiratory volume in 1 sec Hand grip strength Height Weight Whole body fat-free mass Whole body water mass
	Basal metabolic rate Birth weight BMI Body fat percentage Breastfed as a baby Disorders mineral metabolism Exposure to tobacco smoke outside home Forced expiratory volume in 1 sec Gene expression Hayfever, allergic rhinitis or eczema Hearing difficulty or problems with background noise Height Hemoglobin concentration High density lipoprotein High light scatter percentage of red cells Hip circumference

rs806794

Mean corpuscular hemoglobin  
Mean corpuscular hemoglobin concentration  
Mean corpuscular volume  
Medication for cholesterol, blood pressure or diabetes: blood pressure medication  
Medication for cholesterol, blood pressure or diabetes: none of the above  
Mouth or teeth dental problems: dentures  
Number of cigarettes previously smoked daily  
Pack years adult smoking as proportion of life span exposed to smoking  
Pack years of smoking previous only  
Qualifications: A levels or as levels or equivalent  
Qualifications: college or university degree  
Red cell distribution width  
Reticulocyte count  
Reticulocyte fraction of red cells  
Self-reported hypertension  
Time spent watching tv  
Transport type for commuting to job workplace: cycle  
Types of physical activity in last 4 weeks: strenuous sports  
Usual walking pace  
Varicose veins of lower extremities  
Vascular or heart problems diagnosed by doctor: high blood pressure  
Vascular or heart problems diagnosed by doctor: none of the above  
Waist circumference  
Weight  
Whole body fat mass  
Whole body fat-free mass  
Whole body water mass  
Worry too long after embarrassment



rs7744253

Years educational attainment

Basal metabolic rate  
Basophil count  
Coronary artery disease  
Eosinophil count  
Forced vital capacity  
Granulocyte count  
Hand grip strength  
Hearing difficulty or problems with background noise  
Height  
Hemoglobin concentration  
Hip circumference  
Intestinal malabsorption  
Lymphocyte count  
Lymphocyte percentage of white cells  
Mean corpuscular hemoglobin concentration  
Mean platelet volume  
Monocyte count  
Mouth or teeth dental problems: mouth ulcers  
Myeloid white cell count  
Neutrophil count  
Peak expiratory flow  
Red cell distribution width  
Rheumatoid arthritis  
Rheumatoid arthritis  
Self-reported ankylosing spondylitis  
Self-reported hypothyroidism or myxoedema  
Self-reported malabsorption or coeliac disease

Self-reported sarcoidosis  
Started insulin within one year diagnosis of diabetes  
Sum basophil neutrophil counts  
Sum neutrophil eosinophil counts  
Treatment with levothyroxine sodium  
Treatment with thyroxine product  
Weight  
White blood cell count  
Whole body fat-free mass  
Whole body water mass

Ankylosing spondylitis  
Basal metabolic rate  
Basophil count  
Basophil percentage with white cells  
Birth weight  
Diastolic blood pressure  
Eosinophil percentage of white cells  
Eosinophil count  
Eosinophil percentage of granulocytes  
Forced expiratory volume in 1 sec  
Forced vital capacity  
Gene expression  
Granulocyte count  
Height  
Hip circumference  
IgA deficiency  
Intestinal malabsorption  
Lymphocyte count

rs2256183

Lymphocyte percentage of white cells  
Mean platelet volum  
Medication for pain relief, constipation, heartburn: none of the above  
Monocyte count  
Mouth or teeth dental problems: mouth ulcers  
Myeloid white cell count  
Neutrophil count  
Neutrophil percentage of granulocytes  
Neutrophil percentage of white cells  
Platelet distribution width  
Plateletcrit  
Primary sclerosing cholangitis  
Red cell distribution width  
Reticulocyte count  
Reticulocyte fraction of red cells  
Rheumatoid arthritis  
Self-reported adrenocortical insufficiency or addisons disease  
Self-reported ankylosing spondylitis  
Self-reported high cholesterol  
Self-reported hypothyroidism, thyrotocosis or myxoedema  
Self-reported malabsorption or coeliac disease  
Self-reported psoriasis  
Self-reported sarcoidosis  
Sum basophil neutrophil counts  
Sum eosinophil basophil counts  
Total cholesterol  
Treatment with levothyroxine sodium  
Unspecified haematuria

Weight

White blood cell count

Whole body water mass

Basal metabolic rate

Basophil count

Diastolic blood pressure

Doctor diagnosed sarcoidosis

DPA 22:5n3

Drive faster than motorway speed limit

Eosinophinil count

Eosinophil percentage of granulocytes

Eosinophil percentage of white cells

Forced expiratory volume in 1 sec

Forced vital capacity

Frequency of tenseness or restlessness in last 2 weeks

Granulocyte count

Hand grip strength

Height

High light scatter percentage of red cells

High light scatter reticulocyte count

Hip circumference

Impedance

Intestinal malabsorption

Lymphocyte count

Medication for cholesterol, blood pressure or diabetes: cholesterol lowering medication

Medication for cholesterol, blood pressure or diabetes: none of the above

Medication for pain relief, constipation, heartburn: none of the above

Monocyte count

rs6937696

Mouth or teeth dental problems: mouth ulcers  
Multiple sclerosis  
Myeloid cell count  
Neutrophil count  
Neutrophil percentage of granulocytes  
Number of self-reported non-cancer illnesses  
Number of treatments or medications taken  
Other rheumatoid arthritis  
Overall health rating  
Primary sclerosing cholangitis  
Reticulocyte count  
Reticulocyte fraction of red cells  
Rheumatoid arthritis  
Self-reported adrenocortical insufficiency or addisons disease  
Self-reported ankylosing spondylitis  
Self-reported high cholesterol  
Self-reported hypertension  
Self-reported hyperthyroidism or thyrotoxicosis  
Self-reported hypothyroidism or myxoedema  
Self-reported malabsorption or coeliac disease  
Self-reported multiple sclerosis  
Self-reported multiple sclerosis  
Self-reported psoriasis  
Self-reported rheumatoid arthritis  
Self-reported sarcoidosis  
Self-reported sjogrens syndrome or sicca syndrome  
Self-reported-systemic lupus erythematosus or sle  
Seropositive rheumatoid arthritis

Sum basophil neutrophil counts
Sum eosinophil basophil counts
Sum neutrophil eosinophil counts
Taking other prescription medications
Total cholesterol
Treatment with baclofen
Treatment with carbimazole
Treatment with fludrocortisone
Treatment with methotrexate
Treatment with simvastatin
Treatment with sulfasalazine
Unspecified haematuria
Vascular or heart problems diagnosed by doctor: high blood pressure
Vascular or heart problems diagnosed by doctor: none of the above
Weight
Wheeze or whistling in the chest in last year
White blood cell count
Whole body fat-free mass
Whole body water mass
Worrier or anxious feelings

Arm impedance
Basal metabolic rate
Birth weight
Birth weight of first child
Body height
BMI
Forced expiratory volume in 1 sec
Forced vital capacity

rs7742369

Height  
Hip circumference  
Home area population density: Scotland large urban area  
Mean corpuscular volume  
Peak expiratory flow  
Platelet count  
Waist circumference  
Weight  
Whole body fat mass  
Whole body fat-free mass  
Whole body water mass

rs9462007

Basal metabolic rate  
Body fat percentage  
BMI  
Coronary artery disease  
Forced expiratory volume in 1 sec  
HDL cholesterol  
Height  
High density lipoprotein  
Hip circumference  
Impedance  
Lymphocyte count  
Medication for pain relief, constipation, heartburn: none of the above  
Monocyte count  
Overall health rating  
Platelet count  
Plateletcrit  
Pulse rate

	Relative age of first facial hair Total cholesterol Treatment with omeprazole Usual walking pace Waist circumference Weight Whole body fat mass Whole body fat-free mass Whole body water mass
rs3734254	Basal metabolic rate Diastolic blood pressure Forced expiratory volume in 1 sec Forced expiratory volume in 1 sec Hand grip strength Height Monocyte percentage of white cells Peak expiratory flow Systolic blood pressure Weight Whole body fat-free mass Whole body water mass
rs9357470	Basal metabolic rate Coxarthrosis Heel bone mineral density Height Hip circumference Whole body fat-free mass Whole body water mass



rs12209223	<p>Basal metabolic rate</p> <p>Forced expiratory volume in 1 sec</p> <p>Height</p> <p>Hip circumference</p> <p>Hip osteoarthritis</p> <p>Waist circumference</p> <p>Weight</p> <p>Whole body fat-free mass</p> <p>Whole body water mass</p>
rs920842	<p>Basal metabolic rate</p> <p>Forced vital capacity</p> <p>Height</p> <p>Weight</p> <p>Whole body fat-free mass</p> <p>Whole body water mass</p>
rs314263	<p>Age at menarche</p> <p>Basal metabolic rate</p> <p>Forced expiratory volume in 1 sec</p> <p>Forced vital capacity</p> <p>Hand grip strength</p> <p>Height</p> <p>Hip circumference</p> <p>Impedance</p> <p>Medication for cholesterol, blood pressure or diabetes: blood pressure medication</p> <p>Medication for pain relief, constipation, heartburn: none of the above</p> <p>Number of operations</p> <p>Number of treatments or medications taken</p> <p>Relative age of first facial hair</p>

	Relative age voice broke Sleeplessness or insomnia Tanner stage Waist circumference Weight Whole body fat mass Whole body fat-free mass Whole body water mass
rs9488923 (rs2027850)	Height
rs9388490	Age at menarche Age completed full time education Basal metabolic rate Birth weight Body fat percentage Coronary artery disease Diabetes diagnosed by doctor Forced expiratory volume in 1 sec Forced vital capacity Hair or balding pattern Height Hematocrit Hemoglobin concentration Hip circumference Impedance Intelligence Intelligence multi triat analysis Intracranial volume Nervous feelings

	Pain type experienced in last month: none of the above Red blood cell count Sodium in urine Type II diabetes Weight Whole body fat-free mass Whole body water mass
rs6569648	Basal metabolic rate BMI Breast cancer Breast cancer estrogen receptor negative Creatinine in urine Forced expiratory volume in 1 sec Forced vital capacity Hand grip strength Heel bone mineral density Height Hematocrit Hemoglobin concentration High light scatter reticulocyte count Hip circumference Immature fraction of reticulocytes Impedance Lymphocyte count Maternal effects on offspring birthweight Waist hip ratio Weight White blood cell count

	Whole body fat mass Whole body fat-free mass Whole body water mass
rs9389986	Basal metabolic rate Birth weight Birthlength Forced expiratory volume in 1 sec Forced vital capacity Height Hip circumference Impedance Lung function ratio of forced expiratory volum in 1 sec Waist circumference Weight Whole body fat mass Whole body fat-free mass Whole body water mass
rs827423	Basal metabolic rate Forced expiratory volume in 1 sec Forced vital capacity Heel bone mineral density Height Hip circumference Weight Whole body fat-free mass Whole body water mass
	Arm impedance Basal metabolic rate Birth weight

rs1182199	Body fat percentage Forced expiratory volume in 1 sec Forced vital capacity Height Hip circumference Myeloid white cell count Not blood clot, bronchitis, emphysema, asthma, rhinitis, eczema or allergy diagnosed by doctor Platelet count Plateletcrit Ulcerative colitis Waist circumference Weight White blood cell count Whole body fat mass Whole body fat-free mass Whole body water mass
rs2192476	Height
rs506154	Basal metabolic rate Diabetes diagnosed by doctor Forced expiratory volume in 1 sec Forced vital capacity Height Hip circumference Impedance Self-reported diabetes Treatment with metformin Waist circumference Weight Whole body fat-free mass

	Whole body water mass
rs12673331	Basal metabolic rate Forced expiratory volume in 1 sec Forced vital capacity Height Impedance Whole body fat-free mass Whole body water mass
rs2282978	Basal metabolic rate Birth weight Body height CDK6 expression in lymphocytes Forced expiratory volume in 1 sec Forced vital capacity Granulocyte percentage of myeloid white cells Heel bone mineral density Height Hip circumference Monocyte count Monocyte percentage of white cells Pulse pressure Rheumatoid arthritis Systolic blood pressure Waist circumference Weight Whole body fat mass Whole body fat-free mass Whole body water mass
	Basal metabolic rate Birth weight Forced expiratory volume in 1 sec

rs9650315	Forced vital capacity Height Hip circumference Impedance Weight Whole body fat-free mass Whole body water mass
rs7463906	Basal metabolic rate Forced expiratory volume in 1 sec Forced vital capacity Height Hip circumference Peak expiratory flow Waist circumference Weight Whole body fat-free mass Whole body water mass
rs7463906	Basal metabolic rate Forced expiratory volume in 1 sec Forced vital capacity Height Hip circumference Peak expiratory flow Waist circumference Weight Whole body fat-free mass Whole body water mass
	Basal metabolic rate

rs7463906	Forced expiratory volume in 1 sec Forced vital capacity Height Hip circumference Peak expiratory flow Waist circumference Weight Whole body fat-free mass Whole body water mass
rs7463906	Basal metabolic rate Forced expiratory volume in 1 sec Forced vital capacity Height Hip circumference Peak expiratory flow Waist circumference Weight Whole body fat-free mass Whole body water mass
rs4130415	Basal metabolic rate Forced expiratory volume in 1 sec Forced vital capacity Heel bone mineral density Height Hip circumference Pain type experienced in last month: back pain Peak expiratory flow Self-reported prolapsed disc or slipped disc



	Waist circumference Weight Whole body fat-free mass Whole body water mass
rs4909595	Basal metabolic rate Forced expiratory volume in 1 sec Height Hip circumference Systolic blood pressure Treatment with rennie duo oral suspension Weight Whole body fat-free mass Whole body water mass
rs9407763	Height
rs11144688	Basal metabolic rate Forced expiratory volume in 1 sec Height Hip circumference Impedance Waist circumference Weight Whole body fat-free mass Whole body water mass
	Alcohol usually taken with meals Eosinophil percentage of granulocytes Eosinophil percentage of white cells Granulocyte count Hair or balding pattern

rs7855177	Height Impedance Mean time to correctly identify matches Myeloid white cell count Nap during day Neutrophil count Neutrophil percentage of granulocytes Sum basophil neutrophil counts Sumneutrophil eosinophil White blood cell count
rs3937594	Basal metabolic rate Forced expiratory volume in 1 sec Height Hip circumference Nonrheumatic aortic valve disorders Weight Whole body fat-free mass Whole body water mass
rs7043114	Arm impedance Height
rs4448343	Basal metabolic rate Birth weight Fluid intelligence score Forced expiratory volume in 1 sec Heel bone mineral density Height Hip circumference Time spent using computer

	<p>Waist circumference</p> <p>Whole body fat-free mass</p> <p>Whole body water mass</p>
rs2025151	<p>Basal metabolic rate</p> <p>Forced vital capacity</p> <p>Height</p> <p>Hip circumference</p> <p>Job involves heavy manual or physical work</p> <p>Platelet count</p> <p>Platelet distribution width</p> <p>Pulse rate</p> <p>Time spent watching tv</p> <p>Whole body fat-free mass</p> <p>Whole body water mass</p>
rs4333673	<p>Basal metabolic rate</p> <p>Forced vital capacity</p> <p>Height</p> <p>Whole body fat-free mass</p> <p>Whole body water mass</p>
rs7853634	<p>Basal metabolic rate</p> <p>Forced expiratory volume in 1 sec</p> <p>Forced vital capacity</p> <p>Hand grip strength</p> <p>Height</p> <p>Impedance</p> <p>Weight</p> <p>Whole body fat-free mass</p> <p>Whole body water mass</p>

rs7466269	<p>Basal metabolic rate</p> <p>Bone mineral density paediatric lower limb</p> <p>Bone mineral density paediatric total body less head</p> <p>Forced expiratory volume in 1 sec</p> <p>Forced vital capacity</p> <p>Hand grip strength</p> <p>Heel bone mineral density</p> <p>Height</p> <p>Weight</p> <p>Whole body fat-free mass</p> <p>Whole body water mass</p>
rs4980067	<p>Basal metabolic rate</p> <p>Forced vital capacity</p> <p>Height</p> <p>High light scatter percentage of red cells</p> <p>High light scatter reticulocyte count</p> <p>Inmature fraction of reticulocytes</p> <p>Platelet count</p> <p>Reticulocyte count</p> <p>Reticulocyte fraction of red cells</p> <p>Weight</p> <p>Whole body fat-free mass</p> <p>Whole body water mass</p>
rs234886	<p>Basal metabolic rate</p> <p>Height</p> <p>Hip circumference</p> <p>Waist circumference</p> <p>Weight</p>

	Whole body fat-free mass Whole body water mass
rs1879671	Height Treatment with amiodarone
rs606452	Age-related macular degeneration BMI Coronary artery disease Forced expiratory volume in 1 sec Forced vital capacity Height Hip circumference Impedance Waist circumference
rs6487133	Basal metabolic rate Forced expiratory volume in 1 sec Forced vital capacity Height Whole body fat-free mass Whole body water mass
rs11049611	Basal metabolic rate Forced expiratory volume in 1 sec Hand grip strength Height Mouth or teeth dental problems: loose teeth Waist circumference Weight Whole body fat-free mass Whole body water mass

rs1351394

Age at first tooth  
Alcohol intake frequency  
Basal metabolic rate  
Birth length  
Birth weight  
BMI  
Diabetes diagnosed by doctor  
Estimated total intracranial volume excluding patients with neuropsychiatric disorders  
Forced expiratory volume in 1 sec  
Forced vital capacity  
Hand grip strength  
Height  
Hip circumference  
Impedance  
Infant head circumference  
Intracranial volume  
Maternal effects on offspring birthweight  
Number of teeth  
Overall health rating  
Peak expiratory flow  
Pulse rate  
Self-reported diabetes  
Self-reported high cholesterol  
Treatment with metformin  
Waist circumference  
Weight  
Whole body fat mass  
Whole body fat-free mass

	Whole body water mass
rs10748128	Basal metabolic rate Height Hip circumference Waist circumference Weight Whole body fat-free mass Whole body water mass
rs11107116 (rs3825199)	Basal metabolic rate Forced expiratory volume in 1 sec Forced vital capacity Gene expression Heel bone mineral density Height Hip circumference Impedance Standarized difference in height between age 8 years and adult Weight Whole body fat-free mass Whole body water mass
rs11107169	Basal metabolic rate Heel bone mineral density Height Hip circumference Whole body fat-free mass Whole body water mass
	Age at menopause Age completed full time education

rs7980687

Alcohol intake frequency  
Allergic disease  
Average weekly red wine intake  
Basal metabolic rate  
Brain  
College completion  
Diastolic blood pressure  
Educational attainment  
Hayfever, allergic rhinitis or eczema  
Head circumference infant  
Heel bone mineral density  
Height  
Hip circumference  
Infant head circumference  
Job involves heavy manual or physical work  
Lymphocyte count  
Lymphocyte percentage of white cells  
Neutrophil percentage of white cells  
No blood clot, bronchitis, emphysema, asthma, rhinitis, eczema or allergy diagnosed by doctor  
Platelet count  
Plateletcrit  
Qualifications: A levels or as levels or equivalent  
Qualifications: college or university degree  
Qualifications: none  
Qualifications: O levels or GCSEs or equivalent  
Qualifications: other professional qualifications  
Schizophrenia  
Time spent watching tv



	Weight Whole body fat-free mass Whole body water mass Years of education Years of educational attainment
rs7986486	Basal metabolic rate Forced expiratory volume in 1 sec Forced vital capacity Height High light scatter percentage of red cells Impedance Peak expiratory flow Weight Whole body fat-free mass Whole body water mass
rs3118905	Basal metabolic rate Diastolic blood pressure Forced expiratory volume in 1 sec Forced vital capacity Hand grip strength Heel bone mineral density Height Hip circumference Hyperplasia of prostate Impedance Standarized difference in height between age 8 years and adult Systolic blood pressure Weight

	Whole body fat-free mass Whole body water mass
rs1950500	Basal metabolic rate Gene expression Height Weight Whole body fat-free mass Whole body water mass
rs2093210	Age at menarche Basal metabolic rate Eye problems or disorders: glaucoma Forced expiratory volume in 1 sec Forced vital capacity Glaucoma primary open angle glaucoma Heel bone mineral density Height Hip circumference Impedance Self-reported glaucoma Sodium in urine Treatment with xalatan 0.005% eye drops Weight Whole body fat mass Whole body fat-free mass Whole body water mass
	Age at first live birth Age at menarche Basal metabolic rate

rs5742915	<p>Body fat percentage</p> <p>BMI</p> <p>Forced expiratory volume in 1 sec</p> <p>Forced vital capacity</p> <p>Gene expression</p> <p>Hand grip strength</p> <p>Height</p> <p>Hip circumference</p> <p>Number of fays or week of vigorous physical activity 10+ minutes</p> <p>Pagets disease</p> <p>Pulse rate</p> <p>Sleeplessness or insomnia</p> <p>Transport type for commuting to job workplace: cycle</p> <p>Whole body fat-free mass</p> <p>Whole body water mass</p>
rs4483821	<p>Body fat percentage</p> <p>Forced expiratory volume in 1 sec</p> <p>Forced vital capacity</p> <p>Height</p> <p>Hip circumference</p> <p>Impedance</p> <p>Myopia</p> <p>Waist circumference</p> <p>Weight</p> <p>Whole body fat mass</p>
	<p>Arm impedance</p> <p>Body fat percentage</p> <p>Forced expiratory volume in 1 sec</p>

rs2280470	Forced vital capacity Height Hip circumference Infant length Waist circumference Weight Whole body fat mass Whole body fat-free mass Whole body water mass
rs3784757	Body fat percentage Forced expiratory volume in 1 sec Forced vital capacity Height Weight Whole body fat-free mass Whole body water mass
rs2871865	Basal metabolic rate Birth weight Birth weight of first child Forced expiratory volume in 1 sec Forced vital capacity Hand grip strength Height Weight Whole body fat-free mass Whole body water mass
	Forced vital capacity Height

rs4548838	Hip circumference Impedance Waist circumference
rs4548838	Forced expiratory volume in 1 sec Forced vital capacity Height Hip circumference Impedance Waist circumference
rs8057808	Basal metabolic rate Fluid intelligence score Height Hip circumference Impedance Overall health rating Pulse rate Qualifications: college or university degree Qualifications: none Self-reported hypertension Time spent watching tv Time spent watching tv Vascular or heart problems diagnosed by doctor: high blood pressure Weight Whole body fat-free mass Whole body water mass
	Age at menarche Body fat percentage BMI

rs11866219	<p>Forced expiratory volume in 1 sec</p> <p>Forced vital capacity</p> <p>Hand grip strength</p> <p>Height</p> <p>Hip circumference</p> <p>Illness, injury, bereavement, stress in last 2 years: illness, injury or assault to yourself</p> <p>Leg impedance</p> <p>Long-standing illness, disability or infirmity</p> <p>Number of self-reported non-cancer illnesses</p> <p>Pulse rate</p> <p>Usual walking pace</p> <p>Waist circumference</p> <p>Whole body fat mass</p>
rs7213608	<p>Body fat percentage</p> <p>BMI</p> <p>Forced expiratory volume in 1 sec</p> <p>Height</p> <p>High light scatter percentage of red cells</p> <p>Inmature fraction of reticulocytes</p> <p>Mean corpuscular volume</p> <p>Qualifications: A levels or as levels or equivalent</p> <p>Treatment with simvastatin</p> <p>Waist circumference</p> <p>Whole body fat-free mass</p> <p>Whole body water mass</p>
	<p>Basal metabolic rate</p> <p>BMI</p> <p>Forced expiratory volume in 1 sec</p>

rs3764419	<p>Gene expression</p> <p>Granulocyte percentage of myeloid white cells</p> <p>Height</p> <p>Hip circumference</p> <p>Mean corpuscular hemoglobin</p> <p>Mean corpuscular volume</p> <p>Neutrophil percentage of white cells</p> <p>Waist circumference</p> <p>Weight</p> <p>Whole body fat-free mass</p> <p>Whole body water mass</p>
rs584828	<p>Basal metabolic rate</p> <p>Forced vital capacity</p> <p>Granulocyte count</p> <p>Height</p> <p>Hip circumference</p> <p>Neutrophil count</p> <p>Self-reported thyroid radioablation therapy</p> <p>Sum basophil neutrophil counts</p> <p>Sum neutrophil eosinophil counts</p> <p>Weight</p> <p>White blood cell count</p> <p>Whole body fat-free mass</p> <p>Whole body water mass</p>
44657335	<p>Allergic disease</p> <p>Basal metabolic rate</p> <p>Hair or balding pattern</p> <p>Hand grip strength</p> <p>Height</p> <p>Impedance</p> <p>No blood clot, bronchitis, emphysema, asthma, rhinitis, eczema or allergy diagnosed by doctor</p>

rs11657325	<p>Overall health rating</p> <p>Sleeplessness or insomnia</p> <p>Systolic blood pressure</p> <p>Vascular or heart problems diagnosed by doctor: none of the above</p> <p>Weight</p> <p>Whole body fat-free mass</p> <p>Whole body water mass</p>
rs12453394	<p>Basal metabolic rate</p> <p>Coronary artery disease</p> <p>Drive faster than motorway speed limit</p> <p>Forced vital capacity</p> <p>Frequency of tiredness or lethargy in last 2 weeks</p> <p>Gene expression of UBE2Z in blood</p> <p>Height</p> <p>Illness of mother: high blood pressure</p> <p>Illness of mother: none of the above</p> <p>Type II diabetes</p> <p>Whole body fat-free mass</p> <p>Whole body water mass</p>
rs963292	<p>Arm fat-free mass</p> <p>Forced expiratory volume in 1 sec</p> <p>Height</p> <p>Trunk fat-free mass</p>
rs2079795 (rs7214743)	<p>Gene expression</p> <p>Height</p> <p>Waist circumference</p> <p>Waist hip ratio</p>
	<p>Height</p>



rs2727317	Hip circumference Waist hip ratio
rs4239437	Acute pharyngitis Basal metabolic rate Forced expiratory volume in 1 sec Hand grip strength Heel bone mineral density Height Hip circumference Mean platelet volume Platelet count Platelet distribution width Waist circumference Waist hip ratio Weight Whole body fat mass Whole body fat-free mass Whole body water mass
rs9967417	Basal metabolic rate Forced expiratory volume in 1 sec Gene expression Hand grip strength Height Hip circumference Weight Whole body fat-free mass Whole body water mass
	Basal metabolic rate

rs12980348	<p>Forced expiratory volume in 1 sec</p> <p>Hand grip strength</p> <p>Heel bone mineral density</p> <p>Height</p> <p>Hematocrit</p> <p>Hemoglobin concentration</p> <p>Hip circumference</p> <p>Red blood cell count</p> <p>Weight</p> <p>Whole body fat-free mass</p> <p>Whole body water mass</p>
rs891088	<p>Basal metabolic rate</p> <p>Height</p> <p>Hip circumference</p> <p>Serum urate</p> <p>Weight</p> <p>Whole body fat-free mass</p> <p>Whole body water mass</p>
	<p>Basal metabolic rate</p> <p>Blood clot in the lung</p> <p>Coronary artery disease</p> <p>Forced expiratory volume in 1 sec</p> <p>Forced vital capacity</p> <p>Height</p> <p>High light scatter percentage of red cells</p> <p>High light scatter reticulocyte count</p> <p>Hip circumference</p> <p>Inmature fraction of reticulocytes</p> <p>Low density lipoprotein</p>

rs2738039 (rs1982075)	Morning or evening person Pain type experienced in last month: knee pain Peak expiratory flow Platelet count Plateletcrit Red cell distribution width Reticulocyte count Reticulocyte fraction of red cells Self-reported osteoarthritis Self-reported pulmonary embolism + or - dvt Time spent watching tv Total cholesterol Weight Whole body fat-free mass Whole body water mass
rs6038566	Basal metabolic rate BMI Forced expiratory volume in 1 sec Height Hip circumference Impedance Waist circumference Whole body fat-free mass Whole body water mass
	Basal metabolic rate Forced expiratory volume in 1 sec Forced vital capacity Heel bone mineral density

rs7274811	Height Hip circumference Impedance Weight Whole body fat mass Whole body fat-free mass Whole body water mass
rs6142159	Basal metabolic rate Forced expiratory volume in 1 sec Hair or balding pattern Hand grip strength Heel bone mineral density Height High density lipoprotein Impedance log eGFR creatinine Past tobacco smoking Peak expiratory flow Weight Whole body fat-free mass Whole body water mass
	Acquired deformities of fingers and toes Basal metabolic rate Birth weight Forced expiratory volume in 1 sec Forced vital capacity Gene expression Gonarthrosis

rs143384	<p>Hand grip strength</p> <p>Height</p> <p>Hip circumference</p> <p>Impedance</p> <p>Infant length</p> <p>Internal derangement of knee</p> <p>Joint mobility Beighton score</p> <p>Maximum heart rate during fitness test</p> <p>Pain type experienced in last month: knee pain</p> <p>Peak expiratory flow</p> <p>Qualifications: A levels or as levels or equivalent</p> <p>Relative age voice broke</p> <p>Total cholesterol</p> <p>Usual walking pace</p> <p>Waist circumference</p> <p>Waist hip ratio</p> <p>Weight</p> <p>Whole body fat mass</p> <p>Whole body fat-free mass</p> <p>Whole body water mass</p>
rs4821083 (rs2413143)	<p>Advanced age related macular degeneration</p> <p>Advanced age related macular degeneration choroidal neovascularization vs no AMD</p> <p>Arm fat-free mass</p> <p>Height</p> <p>Hip circumference</p> <p>Impedance</p> <p>Neovascularization</p> <p>Trunk fat-free mass</p>
	Guilty feelings

rs738288

Height

IGP40

Worry too long after embarrassment

PC3	
SNP (lead SNP)	Trait
rs7536458	Basal metabolic rate Forced expiratory volume in 1 sec Hair or balding pattern Height Hip circumference Infant length Leg impedance Waist circumference Waist hip ratio Whole body fat-free mass Whole body water mass
rs10923724	BMI Hair or balding pattern Height Impedance Relative age of first facial hair Waist circumference Waist hip ratio
rs9425301	Height Hip circumference Immature fraction of reticulocytes Mean platelet volume Platelet distribution width Waist circumference Waist hip ratio

	Whole body water mass
rs2274432	Basal metabolic rate Forced expiratory volume in 1 sec Forced vital capacity Hand grip strength Height Hip circumference Leg impedance Myopia Waist circumference Weight Whole body fat mass Whole body fat-free mass Whole body water mass
rs2791550 (rs2605108)	Body fat percentage Falls in the last year Hip circumference Impedance log Fasting insulin Type II diabetes Umbilical hernia Waist circumference Waist hip ratio Whole body fat mass
	Age at menarche Body fat percentage BMI Childhood BMI



rs6726261	Childhood obesity Forced expiratory volume in 1 sec Forced vital capacity Hand grip strength Height Hip circumference Impedance Obesity class 1 Obesity with early age of onset age 2 Standarized difference in height between age 8 years and adult Waist circumference Weight Whole body fat mass
rs2289195	Basal metabolic rate Forced expiratory volume in 1 sec Forced vital capacity Hand grip strength Height Leg impedance Waist circumference Whole body fat-free mass Whole body water mass
rs6715793	Forced expiratory volume in 1 sec Height Impedance Waist circumference
	Basal metabolic rate Forced expiratory volume in 1 sec

rs3791675	<p>Forced vital capacity</p> <p>Height</p> <p>Hip circumference</p> <p>Impedance</p> <p>Inguinal hernia</p> <p>Mononeuropathies of upper limb</p> <p>Peak expiratory flow</p> <p>Waist circumference</p> <p>Weight</p> <p>Whole body fat mass</p> <p>Whole body fat-free mass</p> <p>Whole body water mass</p>
rs1128249	<p>Body fat percentage</p> <p>BMI</p> <p>Diabetes diagnosed by doctor</p> <p>HDL cholesterol</p> <p>Hemoglobin concentration</p> <p>High density lipoprotein</p> <p>High light scatter percentage of red cells</p> <p>High light scatter reticulocyte percentage of red cells</p> <p>Hip circumference</p> <p>Illness of mother: diabetes</p> <p>Illness of siblings: diabetes</p> <p>Impedance</p> <p>LDL cholesterol</p> <p>log Fasting insuline</p> <p>Low density lipoprotein</p> <p>Reticulocyte count</p>

	Self-reported diabetes Total cholesterol Treatment with metformin Triglycerides Type II diabetes Waist circumference Waist hip ratio Weight Whole body fat mass
rs2342296	Basal metabolic rate Forced expiratory volume in 1 sec Height Waist circumference Whole body fat-free mass Whole body water mass
rs2920499	Height Lymphocyte count Mean corpuscular hemoglobin concentration Mean corpuscular volume Platelet count Plateletcrit Red cell distribution width Total cholesterol Waist hip ratio
	Adiponectin levels Age at menarche Bipolar disorder BMI

rs2710323

Cross disorder  
Glaucoma primary open angle  
Hematocrit  
Hemoglobin concentration  
High light scatter reticulocyte percentage of red cells  
High light scatter reticulocyte count  
Hip circumference  
Hip osteoarthritis  
Impedance  
log Adiponectin  
Nervous feelings  
Pulse rate  
Red blood cell count  
Red cell distribution width  
Reticulocyte count  
Reticulocyte fraction of red count  
Schizophrenia  
Schizophrenia schizoaffective disorder or bipolar disorder  
Waist circumference  
Waist hip ratio  
Whole body water mass  
Worrier or anxious feeling

rs9864077

Advanced age related macular degeneration  
Age-related macular degeneration  
Arm impedance  
Body fat percentage  
BMI  
Hip circumference

	Type II diabetes Waist circumference Waist hip ratio Whole body fat mass
rs9838625	Allergic disease Basal metabolic rate Forced expiratory volume in 1 sec Forced vital capacity Hair or balding pattern Hayfever, allergic rhinitis or eczema Height Hip circumference Lymphocyte count Mean corpuscular hemoglobin Mean corpuscular volume Myopia Pulse rate Red blood cell count Waist circumference Weight Whole body fat mass Whole body fat-free mass Whole body water mass
rs1545854	Birth weight Heel bone mineral density Height Leg impedance
	Age at first live birth

rs4057984

Basal metabolic rate  
Birth weight  
Body fat percentage  
Diastolic blood pressure  
Fluid intelligence score  
Forced expiratory volume in 1 sec  
Forced vital capacity  
Hand grip strength  
Height  
Hip circumference  
Number of treatments or medications taken  
Peak expiratory flow  
Peritonsillar abscess  
Qualifications: A levels or as levels or equivalent  
Qualifications: college or university degree  
Self-reported hypertension  
Systolic blood pressure  
Time spent watching tv  
Vascular or heart problems diagnosed by doctor: high blood pressure  
Vascular or heart problems diagnosed by doctor: none of the above  
Waist circumference  
Weight  
Whole body fat-free mass  
Whole body water mass

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Basal metabolic rate  
Forced expiratory volume in 1 sec  
Height  
Hip circumference

rs1115919	<p>Leg impedance</p> <p>Overall health rating</p> <p>Standardized difference in height between age 8 years and adult</p> <p>Waist circumference</p> <p>Weight</p> <p>Whole body fat mass</p> <p>Whole body fat-free mass</p> <p>Whole body water mass</p>
rs7689420	<p>Basal metabolic rate</p> <p>Forced expiratory volume in 1 sec</p> <p>Forced vital capacity</p> <p>Hand grip strength</p> <p>Height</p> <p>Hip circumference</p> <p>Peak expiratory flow</p> <p>Waist circumference</p> <p>Weight</p> <p>Whole body fat mass</p> <p>Whole body fat-free mass</p> <p>Whole body water mass</p>
	<p>Asthma</p> <p>Atopic dermatitis</p> <p>Basal metabolic rate</p> <p>Basophil count</p> <p>Eosinophil count</p> <p>Eosinophil percentage of granulocytes</p> <p>Eosinophil percentage of white cells</p> <p>Granulocyte count</p>

rs272885	<p>Hand grip strength</p> <p>Height</p> <p>High light scatter percentage of red cells</p> <p>High light scatter reticulocyte count</p> <p>Inmature fraction of reticulocytes</p> <p>Mean platelet volume</p> <p>Monocyte count</p> <p>Myeloid white cell count</p> <p>Neutrophil count</p> <p>Neutrophil percentage of granulocytes</p> <p>No blood, clot, bronchitis, emphysema, asthma, rhinitis, eczema or allergy diagnosed by doctor</p> <p>Platelet count</p> <p>Self-reported asthma</p> <p>Self-reported hypertension</p> <p>Sum basophil neutrophil counts</p> <p>Sum eosinophil basophil counts</p> <p>Sum neutrophil eosinophil counts</p> <p>Time spent using computer</p> <p>Vascular or heart problems diagnosed by doctor: high blood pressure</p> <p>Waist circumference</p> <p>White blood cell count</p> <p>Whole body fat-free mass</p> <p>Whole body water mass</p>
rs6556301	<p>Activated partial thromboplastin time</p> <p>Height</p> <p>Impedance</p> <p>Waist circumference</p> <p>Waist hip ratio</p>



rs6556301	Activated partial thromboplastin time Height Impedance Waist circumference Waist hip ratio
rs1294421	Hip circumference Inguinal hernia Waist circumference Waist hip ratio
rs1776897	Basal metabolic rate Birth weight Birth weight of first child BMI Forced expiratory volume in 1 sec Forced vital capacity Height Hip circumference Peak expiratory flow Platelet count Plateletcrit Waist circumference Waist hip ratio Weight Whole body fat mass Whole body fat-free mass Whole body water mass
	Age at menarche Basal metabolic rate

rs7759938

Forced expiratory volume in 1 sec  
Forced vital capacity  
Hand grip strength  
Height  
Hip circumference  
Impedance  
log Fasting insulin  
Medication for cholesterol, blood pressure or diabetes: blood pressure medication  
Medication for pain relief, constipation, heartburn: none of the above  
Menarche  
Menarche age at onset  
Number of operations  
Number of treatments or medications taken  
Pubertal anthropometrics  
Pubertal height growth  
Relative age voice broke  
Sleeplessness or insomnia  
Standardized difference in height between age 14 years and adult  
Tanner stage  
Waist circumference  
Weight  
Whole body fat mass  
Whole body fat-free mass  
Whole body water mass  
Fracture of forearm  
Fractured bone site: wrist  
Fractured or broken bones in last 5 years  
Heel bone mineral density

rs1936809	Hematocrit Hemoglobin concentration High density lipoprotein High light scatter reticulocyte count Hip circumference Lymphocyte count Other orthopaedic follow-up care Red blood cell count Reticulocyte count Triglycerides Varicose veins of lower extremities Waist circumference Waist hip ratio
rs7798002	Basal metabolic rate Height Waist circumference Waist hip ratio Whole body fat-free mass Whole body water mass
rs7801581	Height Waist circumference Waist hip ratio
rs1516883	Age at menarche BMI Forced expiratory volume in 1 sec Forced vital capacity Height Impedance

	Relative age of first facial hair Relative age voice broke Standarized difference in height between age 14 years and adult Waist circumference
rs7021911	Basal metabolic rate Femoral neck bone mineral density Forced expiratory volume in 1 sec Heel bone mineral density Height Whole body fat-free mass Whole body water mass
rs1628023	Basal metabolic rate Diabetes diagnosed by doctor Height Monocyte percentage of white cells Self-reported diabetes Waist circumference Weight Whole body fat-free mass Whole body water mass
	Allergic disease Basophil count Diastolic blood pressure Granulocyte count Hayfever, allergic rhinitis or eczema Height High light scatter percentage of red cells High light scatter reticulocyte count

rs7917772

Leg impedance  
Mean corpuscular hemoglobin  
Mean corpuscular hemoglobin  
Myeloid white cell count  
Neutrophil count  
No blood, clot, bronchitis, emphysema, asthma, rhinitis, eczema or allergy diagnosed by doctor  
Past tobacco smoking  
Reticulocyte fraction of red cells  
Sum basophil neutrophil counts  
Sum neutrophil eosinophil counts  
Sum eosinophil basophil counts  
Waist circumference  
Waist hip ratio  
White blood cell count

Age at menarche  
Alcohol intake frequency  
Birth weight  
Body fat percentage  
BMI  
Current tobacco smoking  
Fluid intelligence score  
Forced expiratory volume in 1 sec  
Forced vital capacity  
Frequency of depressed mood in last 2 weeks  
Gene expression  
Granulocyte count  
Granulocyte percentage of myeloid white cells  
Hand grip strength

rs1317149 (rs12787112)	HDL cholesterol
	Height
	High density lipoprotein
	Hip circumference
	Immature fraction of reticulocytes
	log Proinsulin
	Loneliness, isolation
	Miserableness
	Monocyte percentage of white cells
	Mood swings
	Neuroticism
	Neutrophil count
	Platelet count
	Plateletcrit
	Sleeplessness or insomnia
	Smoking status: current
	Suffer from nerves
	Sum basophil neutrophil counts
	Sum neutrophil eosinophil counts
	Total cholesterol
	Usual walking pace
	Waist circumference
	White blood cell count
	Whole body fat mass
rs7949030	Forced expiratory volume in 1 sec
	Forced vital capacity
	Impedance
	Pulse rate

	Waist hip ratio
rs8756	Alcohol intake frequency
	Basal metabolic rate
	Birth weight
	Birth weight of first child
	Birthlength
	BMI
	Diabetes diagnosed by doctor
	Estimated total intracranial volume excluding patients with neuropsychiatric disorders
	Forced expiratory volume in 1 sec
	Forced vital capacity
	Hand grip strength
	Height
	Hip circumference
	Impedance
	Infant head circumference
	Intracranial volume
	Maternal effects on offspring birthweight
	Overall health rating
	Peak expiratory flow
	Pulse rate
	Self-reported diabetes
	Self-reported high cholesterol
	Systolic blood pressure
	Treatment with metformin
	Waist circumference
	Weight
	Whole body fat mass

	Whole body fat-free mass
	Whole body water mass
rs12303671	Adiponectin levels
	Body fat percentage
	BMI
	Hand grip strength
	HDL cholesterol
	Heel bone mineral density
	High density lipoprotein
	High light scatter reticulocyte count
	Hip circumference
	Impedance
	log Adiponectin
	Lymphocyte count
	Reticulocyte count
	Reticulocyte fraction of red cells
	Triglycerides
	Waist circumference
	Waist hip ratio
	White blood cell count
	Whole body fat mass
rs7492628	Basal metabolic rate
	BMI
	Hip circumference
	Impedance
	Pulse rate
	Waist hip ratio
	Weight



	Whole body fat mass Whole body fat-free mass Whole body water mass
rs16976826 (rs12443429)	Waist circumference Waist hip ratio
rs12440667	Exfoliation glaucoma Forced expiratory volume in 1 sec Forced vital capacity Hand grip strength Height Impedance Peak expiratory flow Waist circumference
rs6602997	Body fat percentage Forced expiratory volume in 1 sec Forced vital capacity Height Hip circumference Impedance Waist circumference Weight Whole body fat mass
rs2280470	Arm impedance Basal metabolic rate Forced expiratory volume in 1 sec Forced vital capacity Height Hip circumference

rs132280470	<p>Infant length</p> <p>Waist circumference</p> <p>Weight</p> <p>Whole body fat mass</p> <p>Whole body fat-free mass</p> <p>Whole body water mass</p>
rs1879143	<p>Forced expiratory volume in 1 sec</p> <p>Hair or balding pattern</p> <p>Height</p> <p>Peak expiratory flow</p> <p>Trunk fat-free mass</p> <p>Waist circumference</p>
rs9892365	<p>Basal metabolic rate</p> <p>Forced expiratory volume in 1 sec</p> <p>Gene expression</p> <p>Height</p> <p>Systolic blood pressure</p> <p>Waist circumference</p> <p>Weight</p> <p>Whole body fat-free mass</p> <p>Whole body water mass</p>
	<p>Acute pharyngitis</p> <p>Basal metabolic rate</p> <p>Forced expiratory volume in 1 sec</p> <p>Hand grip strength</p> <p>Heel bone mineral density</p> <p>Height</p> <p>Hip circumference</p>

rs4239436	Mean platelet volume Platelet count Platelet distribution width Waist circumference Waist hip ratio Weight Whole body fat mass Whole body fat-free mass Whole body water mass
rs6140050	BMI Forced expiratory volume in 1 sec Heel bone mineral density Height High light scatter reticulocyte count Impedance Lung function FVC Platelet count Plateletcrit Snoring Waist circumference Waist hip ratio Whole body fat-free mass Whole body water mass
rs2179129	Arm impedance Diastolic blood pressure Hair or balding pattern Systolic blood pressure Vascular or heart problems diagnosed by doctor: high blood pressure Waist circumference Waist hip ratio