Variable Name	Variable Type	Keep?	Reason	
id	Demographics	Yes	Essential for unique identification of an individual.	
cohort	Metadata/Identifiers	Yes	Provides context about the group the individual belongs to.	
aqdate	Demographics	Yes	Date of assessment is crucial for tracking changes over time.	
gender	Demographics	Yes	Fundamental demographic information.	
aqage	Demographics	Yes	Age is a critical demographic and health-related variable.	
height	Anthropometrics	Yes	Essential for BMI calculation and general anthropometry.	
weight	Anthropometrics	Yes	Essential for BMI calculation and general anthropometry.	
waistcirc	Anthropometrics	Yes	Key indicator of abdominal adiposity and associated health risks.	
hipcirc	Anthropometrics	Yes	Used with waist circumference to calculate Waist-to-Hip Ratio.	
pulserate	Physiological Vitals	Yes	Basic physiological measurement, indicator of cardiovascular health.	
systolicbp1	Physiological Vitals	Yes	Crucial health indicator for blood pressure.	
systolicbp2	Physiological Vitals	Yes	Provides additional blood pressure measurement.	
diastolicbp1	Physiological Vitals	Yes	Crucial health indicator for blood pressure.	
diastolicbp2	Physiological Vitals	Yes	Provides additional blood pressure measurement.	
bcompdate_bc	Demographics	Yes	Date of body composition assessment.	
bcomptime_bc	Measurement Context	No	Time of measurement is usually not critical for general anthropometric profile.	
sex_bodycomp_bc	Demographics	Yes	Fundamental demographic information, likely a duplicate of gender.	
allrisk_bc	Risk	Yes	Represents an overall health risk score, highly valuable.	
bcm_bc	Anthropometrics	Yes	Body Cell Mass is an important component of body composition.	
bodyval_bc	Anthropometrics	Yes	Likely a composite score of body composition.	
bodymeasure_bc	Anthropometrics	Yes	Likely a composite score of body composition.	
bmirisk_bc	Risk	No	Derived from BMI; raw BMI is usually sufficient.	
thi_bc	Risk	No	Risk score, raw measurements preferred.	
vital_bc	Risk	No	Risk score, raw measurements preferred.	
bloodpressure_bc	Risk	No	Risk score, raw blood pressure measurements preferred.	
pulserisk_bc	Risk	No	Risk score, raw pulse rate measurement preferred.	
bodywater_bc	Risk	No	While useful, overall FFM or TBW might be sufficient; this is a risk score.	
bodyfat_bc	Risk	No	Risk score, raw body fat percentage/mass is usually sufficient.	
musclem_bc	Risk	No	Risk score, raw muscle mass preferred.	
viszfat_bc	Anthropometrics	Yes	Visceral fat is a crucial health indicator.	
bpsystrisk_bc	Risk	No	Risk score, raw systolic blood pressure measurements preferred.	
bpdiastrisk_bc	Risk	No	Risk score, raw diastolic blood pressure measurements preferred.	
bpmad_bc	Risk	No	Risk score, raw blood pressure measurements preferred.	
waistrisk_bc	Risk	No	Risk score, raw waist circumference is usually sufficient.	
height_bc	Anthropometrics	Yes	Essential for BMI calculation and general anthropometry, likely a duplicate of height.	
weight_bc	Anthropometrics	Yes	Essential for BMI calculation and general anthropometry, likely a duplicate of weight.	
bmi_bc	Anthropometrics	Yes	Widely used and valuable indicator of overall weight status.	
waist_bc	Anthropometrics	Yes	Key indicator of abdominal adiposity and associated health risks, likely a duplicate of waistcirc.	
hip_bc	Anthropometrics	Yes	Used with waist circumference to calculate Waist-to-Hip Ratio, likely a duplicate of hipcirc.	
whr_bc	Anthropometrics	Yes	Significant indicator of body fat distribution and health risk.	
pulse_bc	Physiological Vitals	Yes	Basic physiological measurement, likely a duplicate of pulserate.	
fatm_bc	Anthropometrics	Yes	Direct measure of body fat mass.	
fatp_bc	Anthropometrics	Yes	Direct measure of body fat percentage.	
bpsys_bc	Physiological Vitals	Yes	Crucial health indicator for systolic blood pressure.	
bpdia_bc	Physiological Vitals	Yes	Crucial health indicator for diastolic blood pressure.	
flag_bc	Metadata/Identifiers	No	Constant value, likely uninformative.	
age_bodycomp_bc	Demographics	Yes	Age is a critical demographic and health-related variable, likely a duplicate of aqage.	
btyp_bc	Metadata/Identifiers	No	Constant value, likely uninformative.	
height2_bc	Anthropometrics	Yes	Essential for BMI calculation and general anthropometry, likely a duplicate of height.	
weight2_bc	Anthropometrics	Yes	Essential for BMI calculation and general anthropometry, likely a duplicate of weight.	
bmr_bc	Anthropometrics	Yes	Useful for understanding energy expenditure.	
fatp2_bc	Anthropometrics	Yes	Direct measure of body fat percentage, likely a duplicate of fatp_bc.	
fatm2_bc	Anthropometrics	Yes	Direct measure of body fat mass, likely a duplicate of fatm_bc.	
ffm_bc	Anthropometrics	Yes	Important component of body composition, representing muscle, bone, and water.	
tbw_bc	Anthropometrics	Yes	Total Body Water provides insight into hydration and lean mass.	
pmm_bc	Anthropometrics	Yes	Predicted Muscle Mass is an important component of body composition.	
imp_bc	Raw/Internal Derived Data	No	Raw bioelectrical impedance measurement, derived metrics are more interpretable.	
bmi2_bc	Anthropometrics	Yes	Widely used and valuable indicator of overall weight status, likely a duplicate of bmi_bc.	
vfatl_bc	Anthropometrics	Yes	Visceral fat level, crucial health indicator.	
bonem_bc	Anthropometrics	Yes	Bone mineral mass provides insight into skeletal health.	
ecw_bc	Anthropometrics	Yes	Extracellular water, component of total body water.	
icw_bc	Anthropometrics	Yes	Intracellular water, component of total body water.	
metaage_bc	Raw/Internal Derived Data	No	Derived metric; chronological age and core body composition parameters are generally sufficient.	
phaseangle_bc	Anthropometrics	Yes	Direct output of bioelectrical impedance analysis, provides insight into cellular health.	
clothes_bc	Measurement Context	Yes	Useful for adjusting body composition measurements.	
physrate_bc	Measurement Context	Yes	Provides context on physical activity.	
rlfatp_bc	Anthropometrics	No	Segmental body fat percentage; whole body fat percentage is usually sufficient.	
rlfatm_bc	Anthropometrics	No	Segmental body fat mass; whole body fat mass is usually sufficient.	
rlffm_bc	Anthropometrics	No	Segmental fat-free mass; whole body fat-free mass is usually sufficient.	
rlpmm_bc	Anthropometrics	No	Segmental muscle mass; whole body muscle mass is usually sufficient.	
rlimp_bc	Raw/Internal Derived Data	No	Segmental impedance; derived metrics are more interpretable.	
llfatp_bc	Anthropometrics	No	Segmental body fat percentage; whole body fat percentage is usually sufficient.	
llfatm_bc	Anthropometrics	No	Segmental body fat mass; whole body fat mass is usually sufficient.	
llffm_bc	Anthropometrics	No	Segmental fat-free mass; whole body fat-free mass is usually sufficient.	
llpmm_bc	Anthropometrics	No	Segmental muscle mass; whole body muscle mass is usually sufficient.	
llimp_bc	Raw/Internal Derived Data	No	Segmental impedance; derived metrics are more interpretable.	
rafatp_bc	Anthropometrics	No	Segmental body fat percentage; whole body fat percentage is usually sufficient.	

rafatm_bc	Anthropometrics	No	Segmental body fat mass; whole body fat mass is usually sufficient.	
raffm_bc	Anthropometrics	No	Segmental fat-free mass; whole body fat-free mass is usually sufficient.	
rapmm_bc	Anthropometrics	No	Segmental muscle mass; whole body muscle mass is usually sufficient.	
raimp_bc	Raw/Internal Derived Data	No	Segmental impedance; derived metrics are more interpretable.	
lafatp_bc	Anthropometrics	No	Segmental body fat percentage; whole body fat percentage is usually sufficient.	
lafatm_bc	Anthropometrics	No	Segmental body fat mass; whole body fat mass is usually sufficient.	
laffm_bc	Anthropometrics	No	Segmental fat-free mass; whole body fat-free mass is usually sufficient.	
lapmm_bc	Anthropometrics	No	Segmental muscle mass; whole body muscle mass is usually sufficient.	
laimp_bc	Raw/Internal Derived Data	No	Segmental impedance; derived metrics are more interpretable.	
trfatp_bc	Anthropometrics	No	Segmental body fat percentage; whole body fat percentage is usually sufficient.	
trfatm_bc	Anthropometrics	No	Segmental body fat mass; whole body fat mass is usually sufficient.	
trffm_bc	Anthropometrics	No	Segmental fat-free mass; whole body fat-free mass is usually sufficient.	
trpmm_bc	Anthropometrics	No	Segmental muscle mass; whole body muscle mass is usually sufficient.	
waterm_bc	Anthropometrics	Yes	Provides a direct measure of body water mass.	
waterp_bc	Anthropometrics	Yes	Provides a direct measure of body water percentage.	
waist2_bc	Anthropometrics	Yes	Key indicator of abdominal adiposity and associated health risks, likely a duplicate of waistcirc.	