

Supplementary table S2. Coding Schema Applied to Explanations for Racial and Ethnic Difference Provided in Articles

Inherent difference

racial factor
ethnic factor
genetic
inherited factor
constitutional
intrinsic
inherent features
physical make-up
biological
“true” physiological

Anthropometric difference

body build/size/surface/composition
body habitus/configurations
frame size
physical build
height/stature
weight
lung, chest, thoracic, ribcage size,
capacity, and shape
chest dimensions
lung volume
fat-free mass
abdominal adiposity
leg-trunk ratio/sitting-standing height
sitting height
chest expansion
physical variables and characteristics
anatomic difference
Quetelet’s index
posture
body mass index
anatomic

Environmental and social factors

Infection
environmental toxins
bronchitis
nutrition
respiratory disease
occupational exposure

pollution
geographic/regional variation
climate
tobacco smoke/cigarette smoking
altitude
latitude
occupational habits
diet
ecology
exogenous factors
allergy
social economic status
socio-economic deprivation
education
socio/cultural factors
crowded living conditions
social experience
poverty index
psychosocial
physical activity
fitness/athletic training
exercise
habits
sedentary habits

Mechanical

elastic recoil
basal airway closure
airway resistance
compliance of chest wall
respiratory muscle strength/power

Technical

methodological issues
selection of subjects
values chosen for reference
equipment variability
technician error
testing conditions
healthy worker effect
inadequate adjustment

Other

increased alveoli

growth hormone

age

low metabolism

developmental/physiological/altitude

adaptations

low birth weight

day to day short terms changes

growth velocity

intelligence

parenchymal lung development

No Explanation

no independent explanation provided

no explanation by citation of other

sources provided