

Supplementary tables

Table S1 - Lung area subdivision calculations from lung area subdivisions

DCR lung area subdivision	Calculation	Plethysmographic volume equivalent
Total lung area	PLA_{insp}	TLC
Tidal lung area	$PLA_{ti} - PLA_{te}$	TV
Inspiratory capacity area	$PLA_{insp} - PLA_{te}$	IC
Functional residual capacity area	$PLA_{insp} - IC \text{ area}$	TGV
Residual lung area	PLA_{exp}	RV

Table S2 - Variance inflation factors associated with each lung volume subdivision model

Volume subdivision	Variables	Variance inflation factor
TLC	PA total lung area Height	1.328
IC	PA inspiratory capacity area Height	1.035
FRC (TGV)	PA functional residual capacity area Height	1.432