

**Table 2 Mean lung volumes and capacities in healthy young Iranian males and females and comparison with American Thoracic Society (ATS) reference values for young Caucasians [5]**

Parameter	Males (n = 152)					Females (n = 150)				
	Measured values		ATS values		% difference	Measured values		ATS values		% difference
	Mean	SD	Mean	SD		Mean	SD	Mean	SD	
RV(L)	1.69	0.17	1.58	0.08	107*	1.44	0.21	1.37	0.14	105*
IC (L)	3.05	0.31	3.53	0.35	86*	2.20	0.31	2.24	0.34	93*
FRC (L)	3.84	0.22	3.17	0.15	110*	2.86	0.33	2.70	0.17	106*
VC (L)	4.84	0.22	5.16	0.40	94*	3.62	0.40	3.72	0.37	97*
TLC (L)	6.53	0.45	6.70	0.50	97*	5.07	0.57	5.06	0.52	99
FEV1(L)	3.95	0.36	4.20	0.28	94*	3.12	0.44	3.28	0.31	95*
FVC (L)	4.69	0.40	5.04	0.44	93*	3.76	0.42	3.84	0.31	97*
FEV1/FVC (%)	84.4		83.0		101*	87.8		84.0		104

*SD = standard deviation; n = total number of participants.*

*\*P < 0.05 (paired t-test).*

*RV = residual volume; IC = inspiratory capacity; FRC = functional residual capacity; VC = vital capacity; TLC = total lung capacity; FEV1 = forced expiratory volume in 1 s; FVC = forced vital capacity.*