AIR VOLUMES DURING RESPIRATION

TIDAL VOLUME A 500 ml

WOLUME GIRVD 2500-3000 ml

EXPIRATORY RESERVE
VOLUME (CERV) 1000 ml

RESIDUAL VOLUME D1000 ml

The volume of air (500 mL) that moves in (or out) of the lungs with each inspiration (or expiration) during quiet breathing is called the tidal volume. During strenuous breathing, the amount of air moving with each breath increases. The maximum amount of additional air that can be inspired above the tidal volume is called the inspiratory reserve volume; the maximal volume of additional air that can be expired is called the expiratory reserve volume. The maximal amount of air that can be moved with each breath, the vital capacity, equals the sum of the inspiratory reserve, tidal, and expiratory reserve volumes. However, the lungs never empty completely; the volume of remaining air following a maximal expiration is called the residual volume. Finally the total lung capacity equals the sum of all these volumes.



