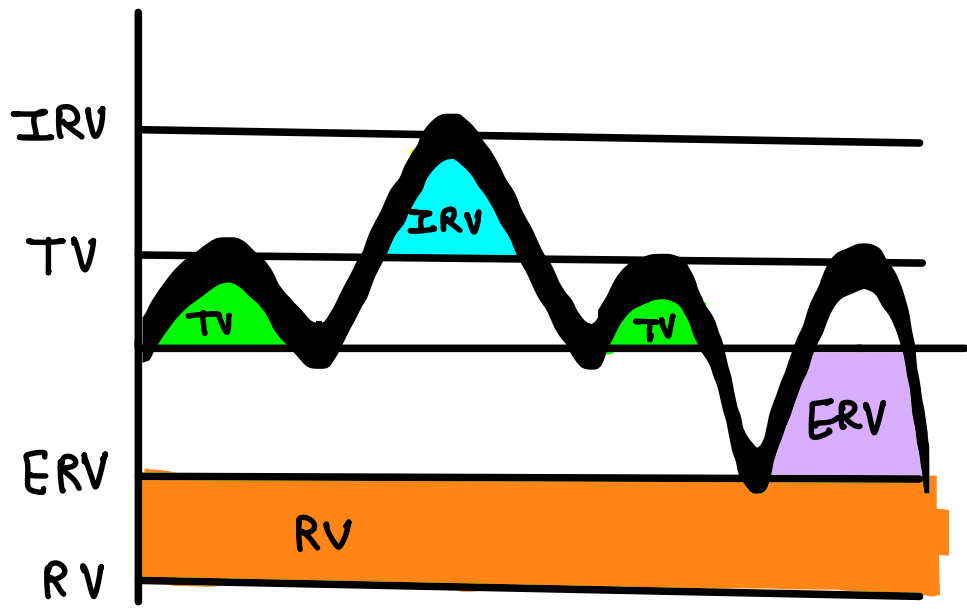


# Respiratory Volumes & Capacities

Sunday, 2 June 2024

3:44 AM



## Volumes

- 1) Tidal Volume (TV) :- Normal Volume of Air a person can inspire or expire = 500 ml  
Per minute = 5000 - 6000 ml
- 2) Inspiratory Reserve Volume (IRV) :- Volume of Air Inspired during forceful inspiration  
= 2500 ml to 3000 ml
- 3) Expiratory Reserve Volume (ERV) :- Volume of Air Expired during forceful expiration  
= 1000 ml to 1100 ml
- 4) Residual Volume (RV) :- Volume of Air Remained even after forceful expiration  
= 1100 ml to 1200 ml

Capacities = Addition of multiple volumes

- 1) Inspiratory Reserve Capacity (IRC) :-  $TV + IRV$
- 2) Expiratory Reserve Capacity (ERC) :-  $TV + ERV$
- 3) Functional Residual Capacity (FRC) :-  $ERV + RV$
- 4) Vital Capacity (VC) :-  $TV + IRV + ERV$
- 5) Total Lung Capacity (TLC) :-  $TV + IRV + ERV + RV$

