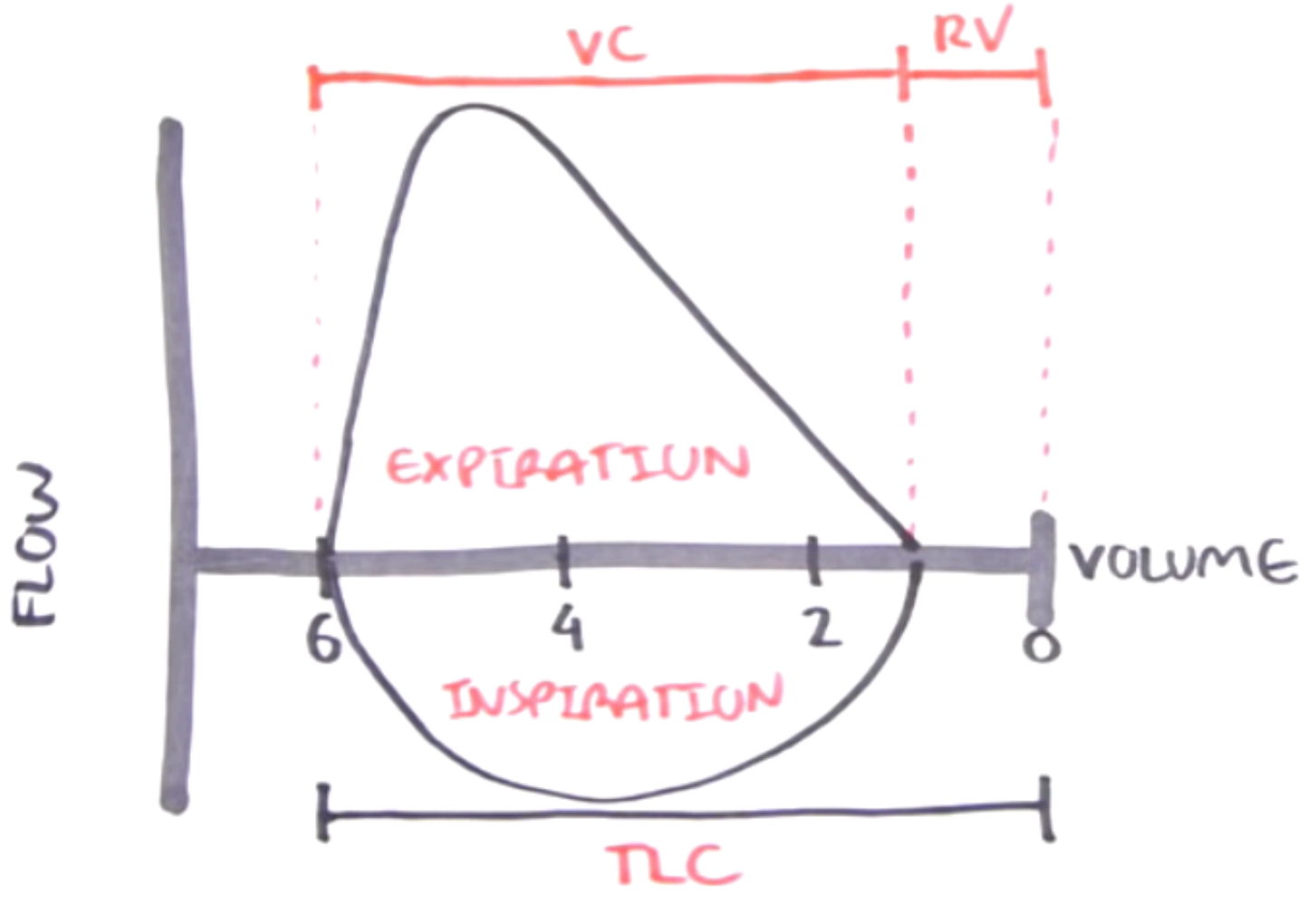
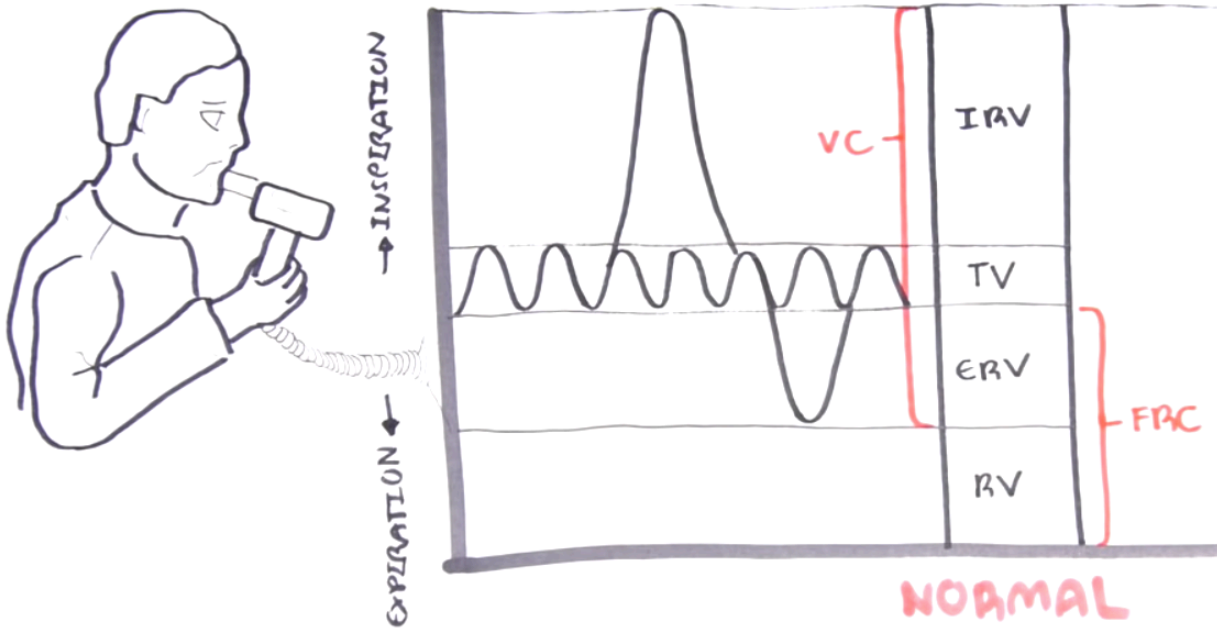
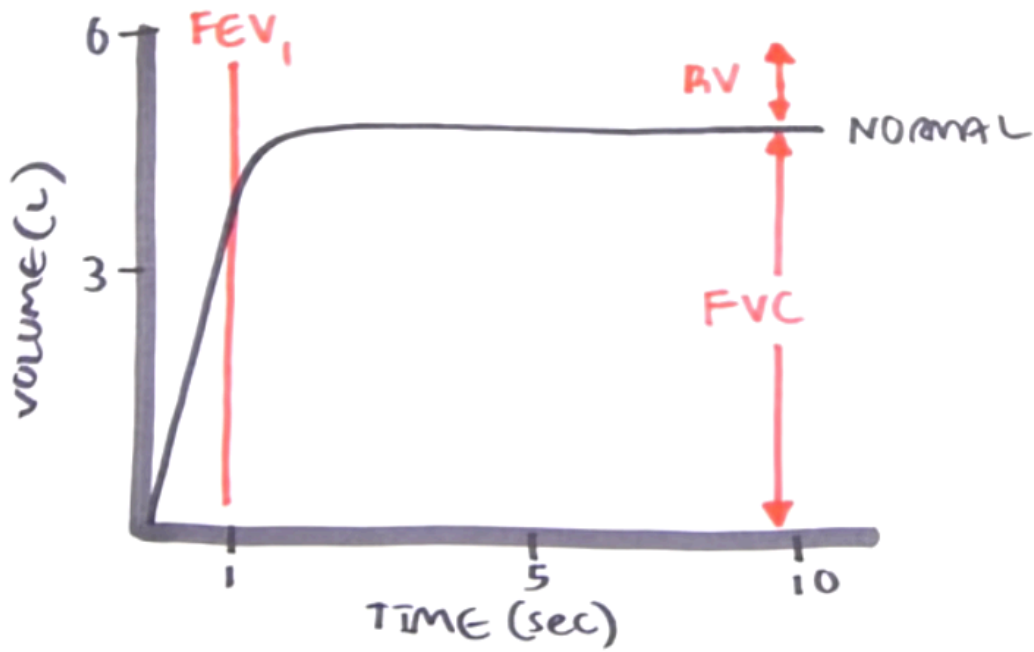


Pulmonary Function Curves Explained

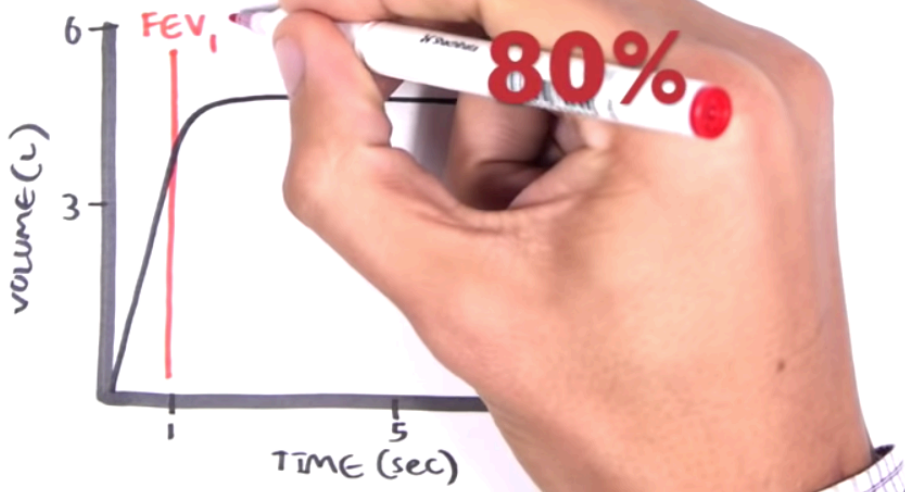


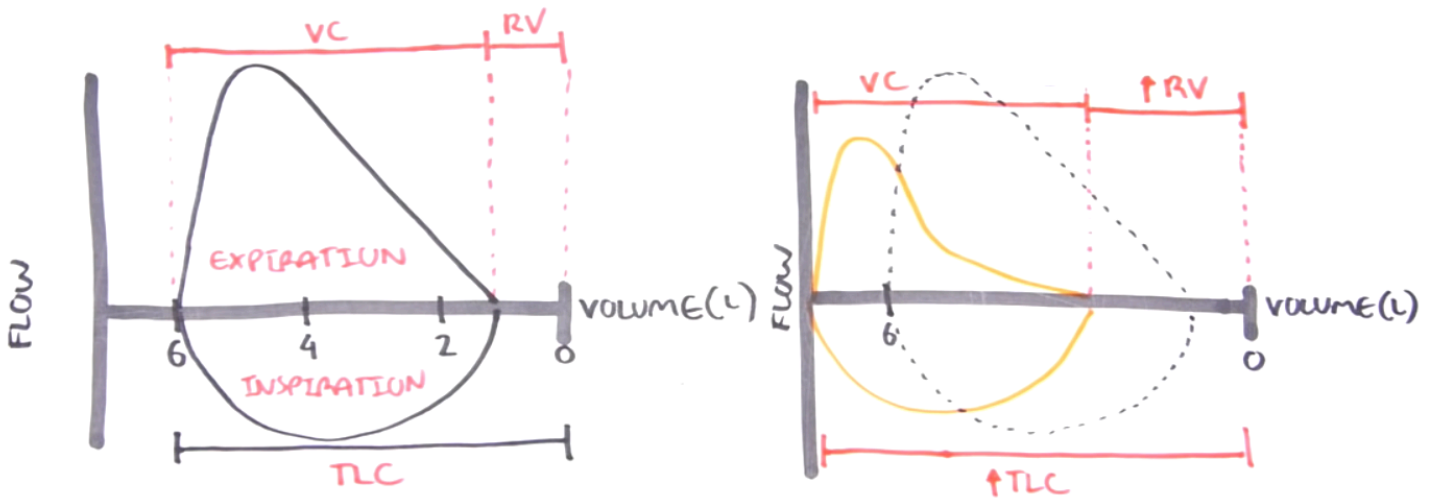
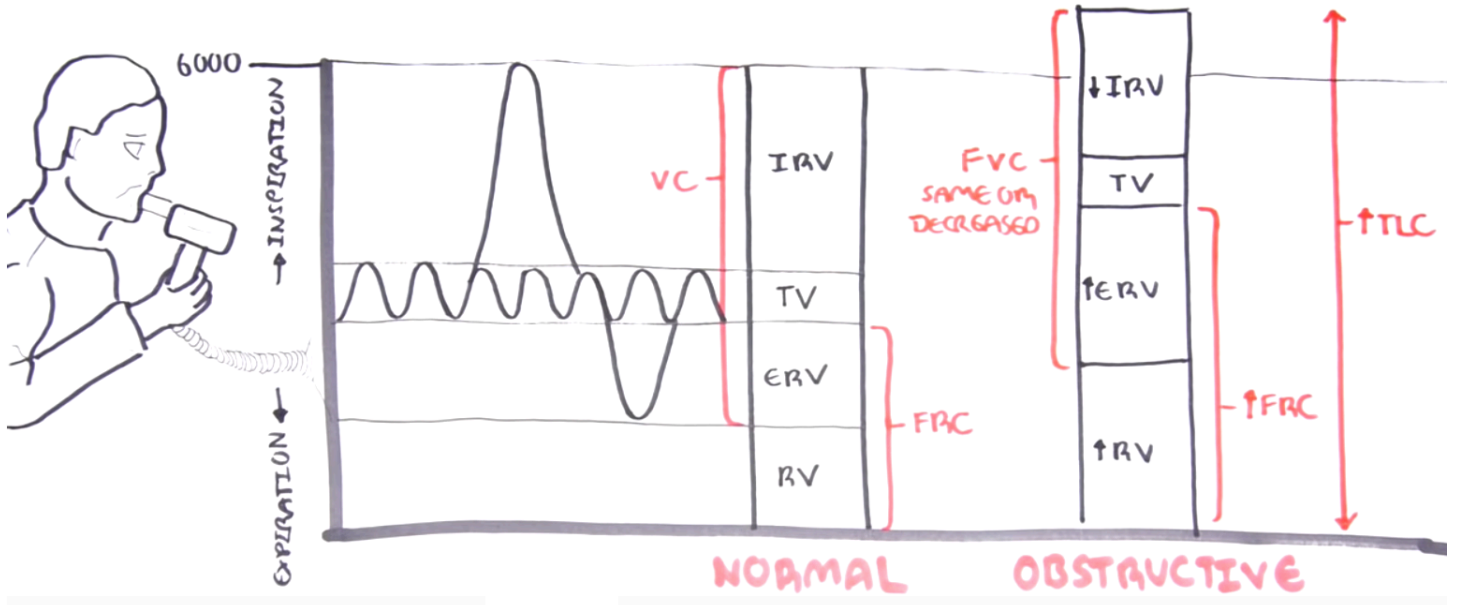
Flow-Volume Loop



Volume-Time Graph

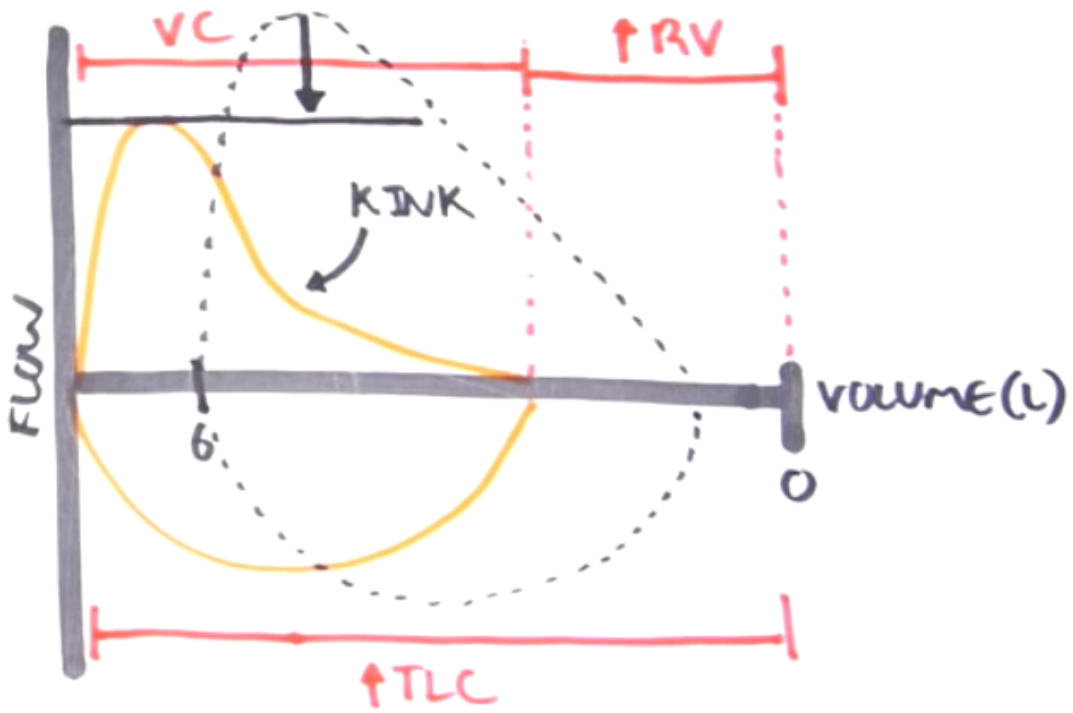
$$\mathbf{FEV_1 / FVC = 4L / 5L = .8 \text{ OR } 80\%}$$



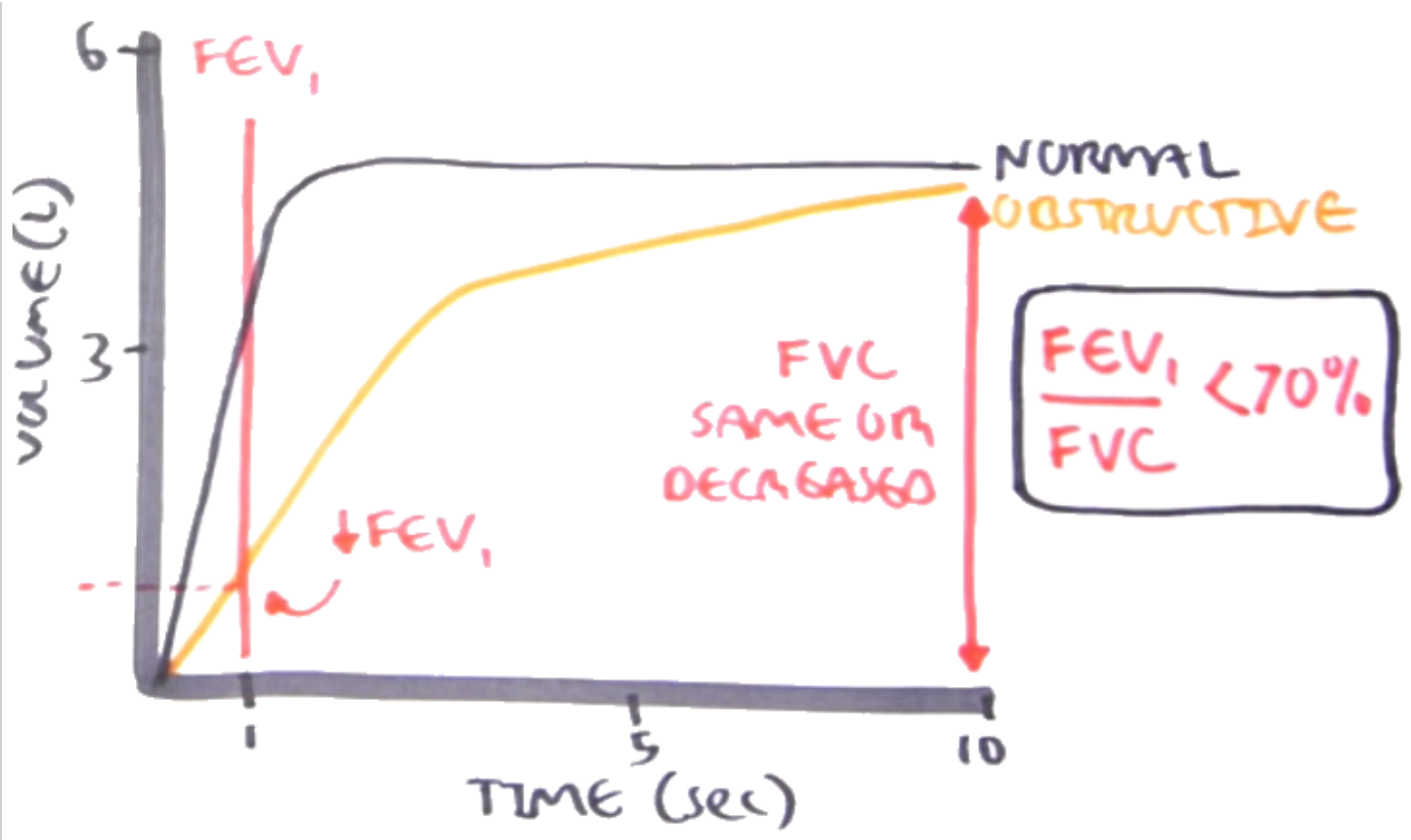


Normal Flow-Volume Loop

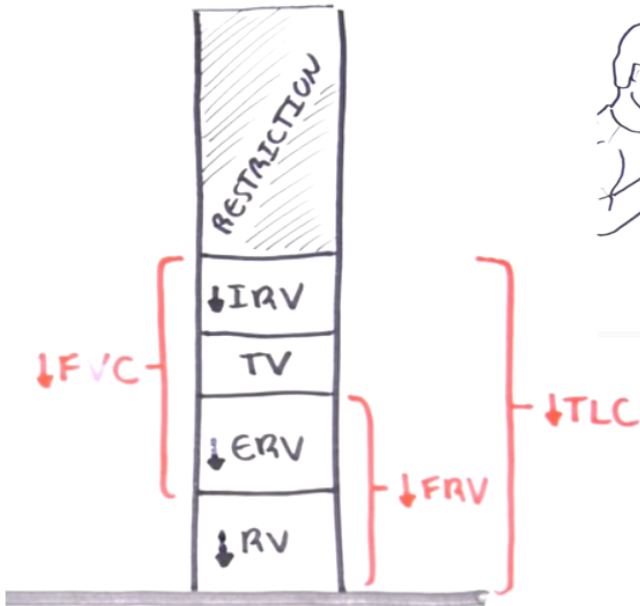
Obstructive Flow-Volume Loop
-curve shifts to left; RV & TLC increase



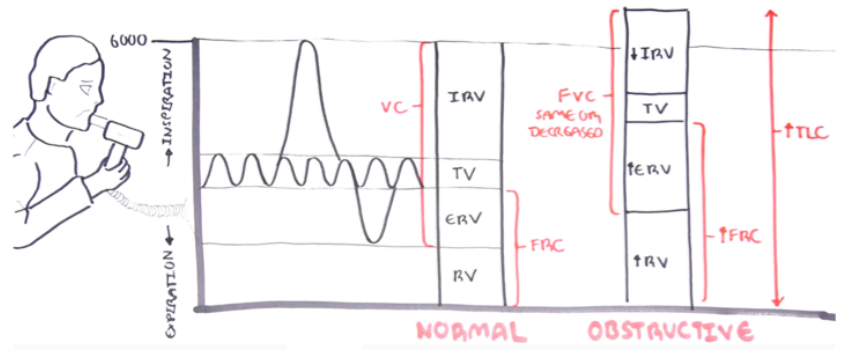
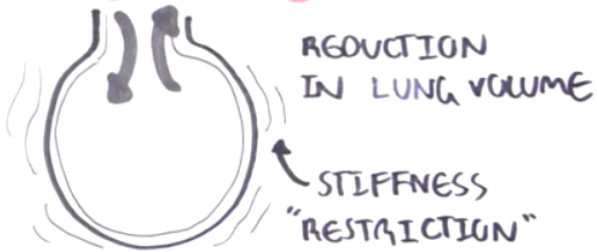
Obstructive Flow-Volume Loop

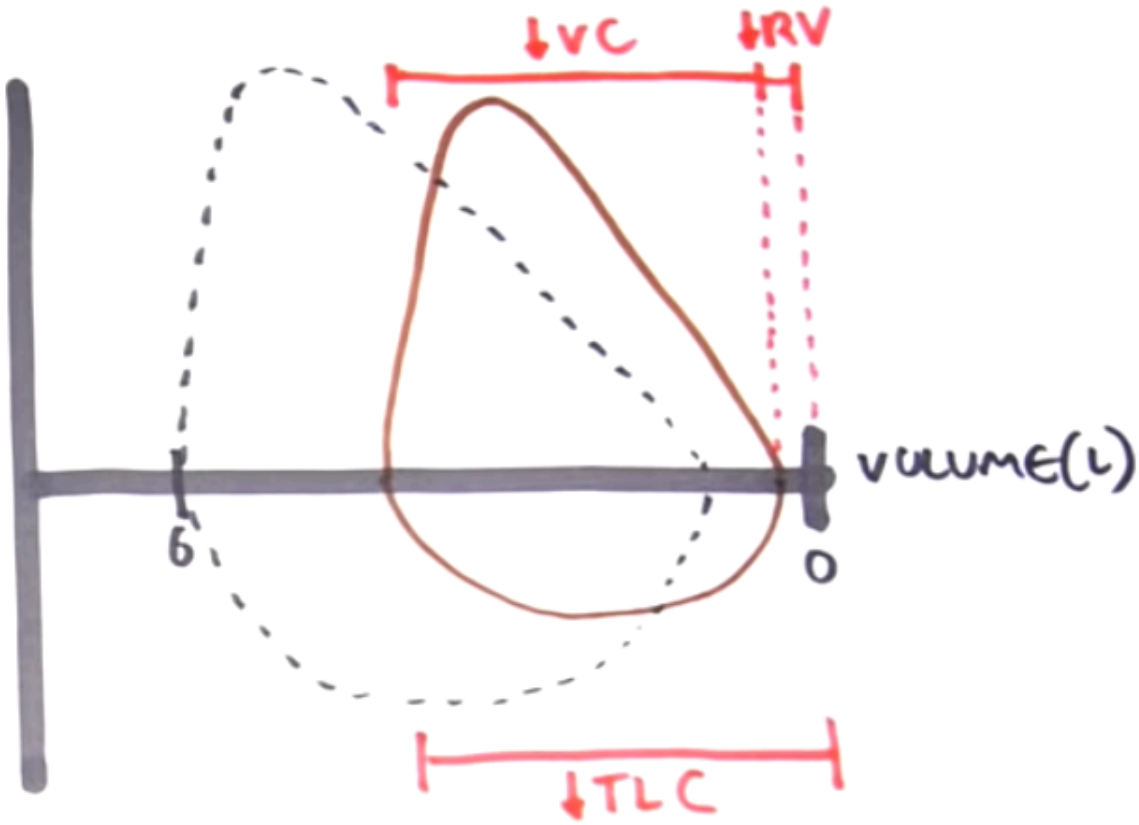


Obstructive Volume-Time Graph

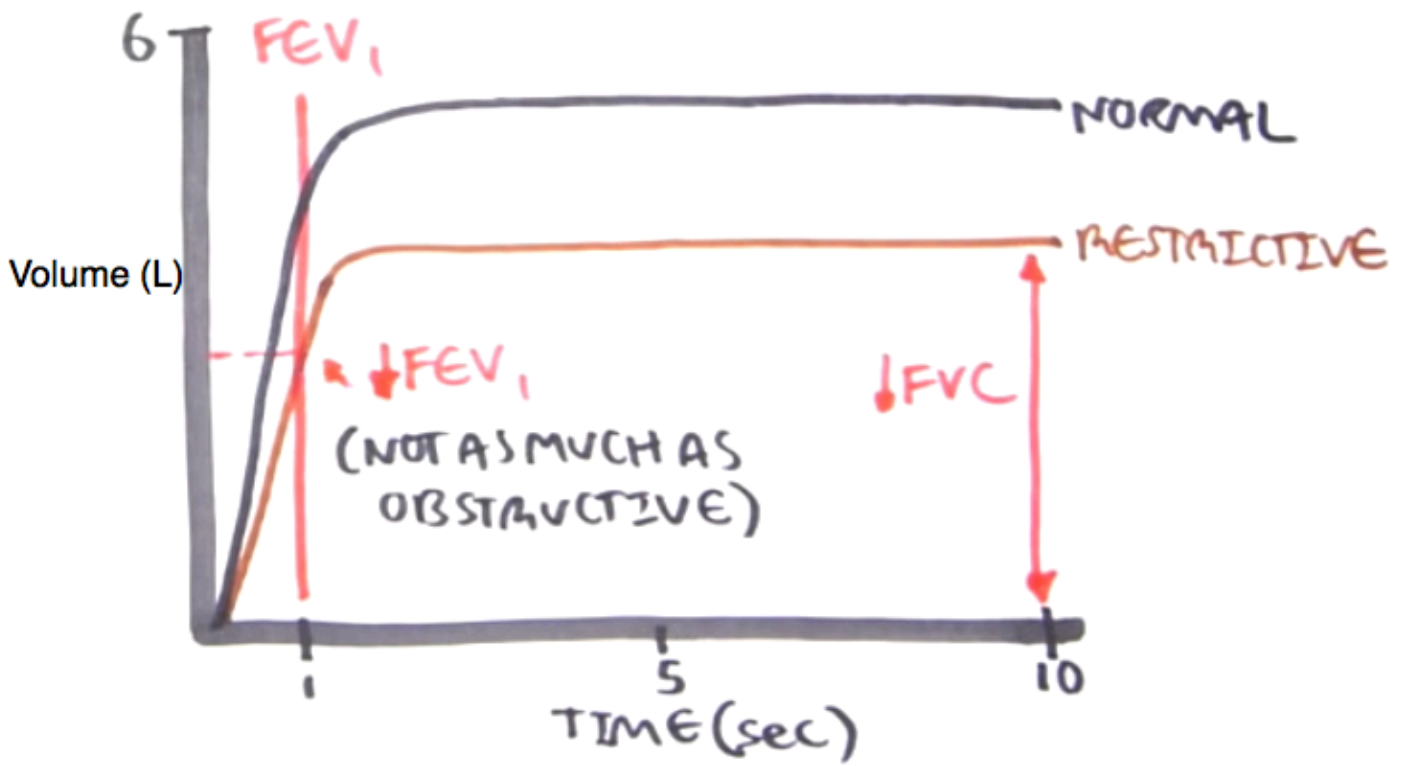


RESTRICTIVE

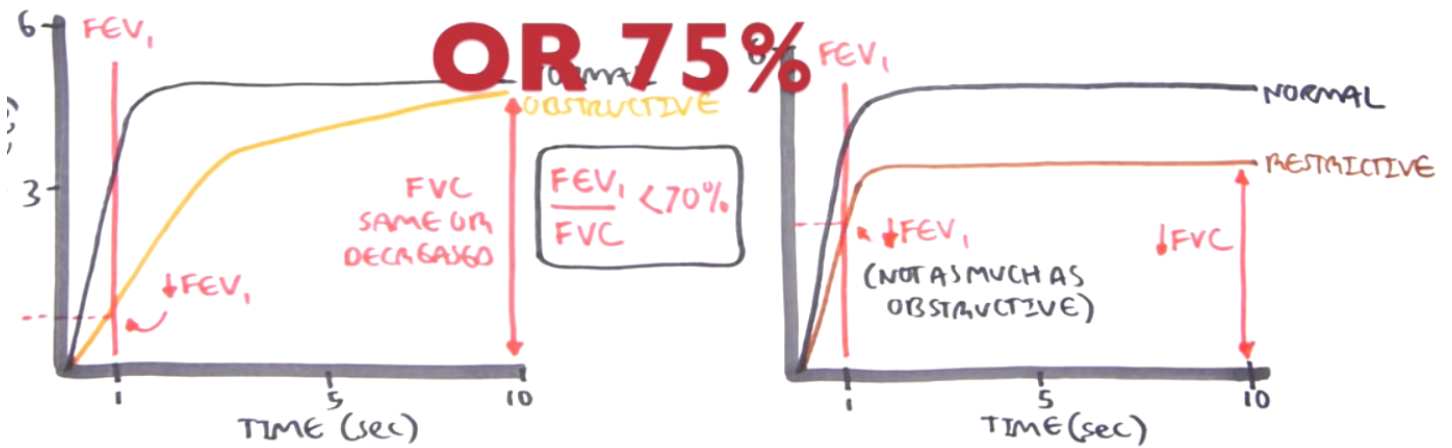




Restrictive Lung Dz



$$FEV_1 / FVC = 3L / 4L = .75$$



Restrictive Lung Dz: FEV₁/FVC = normal or mildly decreased

-Note that the slope of the restrictive curve is < obstructive curve; thus, the FEV₁/FVC ratio is more likely to be normal for restrictive lung dz.