



Model 4000 COPD-6 Product Training Information

The GOLD guidelines indicate that the presence of a post-bronchodilator FEV1 / Forced Vital Capacity (FVC) < 70% confirms the presence of persistent airway limitation and thus of COPD. (Chronic Obstructive Pulmonary Disease)

<http://goldcopd.org/copd-diagnosis-management-glance-desk-reference-2016/>

The Vitalograph COPD-6 device screens out those whose FEV1 is normal, and who therefore do not have COPD, without the risk of false COPD negatives.

If FEV1 is >80% of predicted and FEV1/FEV6 >70% patient does not have COPD

FEV1%PRED is used in conjunction with FEV1/FVC as an indicator of COPD severity in the GOLD guidelines - Global Initiative for Chronic Obstructive Lung Disease (GOLD)
FEV1%PRED is calculated using the measured value for FEV1 divided by the predicted value for FEV1.

The GOLD guidelines also include a classification of severity of airflow limitation in COPD (Based on post bronchodilator FEV1).

This is referred to in the COPD-6 User Training Manual as the Obstructive Index (Section 5.1)

<https://vitalograph.co.uk/downloads/view/19>

COPD-6 Quick Start Guide

<https://vitalograph.co.uk/downloads/view/6>

The COPD-6 device displays the GOLD COPD classification (stage I – IV) to help recognise the need for a change in the patient's management plan.

Example COPD-6 report available on Vitalograph Website

<https://vitalograph.co.uk/downloads/view/95>

FEV1% Pred.	Obstructive Index		COPD Classification	FEV1/FEV6 Ratio and FEV% Pred.
≥ 80%	0		Not COPD	FEV1/FEV6 > 0.7
		Top Boundary	Stage I	FEV1/FEV6 < 0.70 and FEV1 ≥ 80% Pred.
< 80%	1	Middle Boundary	Stage II	FEV1/FEV6 < 0.70 and FEV1 < 80% Pred.
< 50%	2	Bottom Boundary	Stage III	FEV1/FEV6 < 0.70 and FEV1 < 50% Pred.
< 30%	3		Stage IV	FEV1/FEV6 < 0.70 and FEV1 < 30% Pred.