

# Vitamin status in COPD patients

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Objective of the study is to investigate the prevalence of vitamin deficiencies of a group of Dutch elderly COPD patients. Furthermore, we will investigate if there is a relationship between vitamin deficiencies and perceived burden of the disease....

<b>Ethical review</b>	Approved WMO
<b>Status</b>	Recruitment stopped
<b>Health condition type</b>	Bronchial disorders (excl neoplasms)
<b>Study type</b>	Observational invasive

## Summary

### ID

NL-OMON40091

### Source

ToetsingOnline

### Brief title

Vitamin status in COPD patients

### Condition

- Bronchial disorders (excl neoplasms)

### Synonym

Chronic Obstructive Pulmonary Diseases (COPD)

### Research involving

Human

### Sponsors and support

**Primary sponsor:** Ziekenhuis Gelderse Vallei

**Source(s) of monetary or material Support:** LPC-gelden via zorgverzekeraars

### Intervention

**Keyword:** COPD Vitamins

## Outcome measures

### Primary outcome

Serum levels of vitamin A, B1, B6, C, D, E, B12 and folic acid.

### Secondary outcome

Disease severity and quality of life.

## Study description

### Background summary

Malnutrition and vitamin deficiencies occur often among elderly COPD patients. Possible causes are less food intake, e.g. due to shortness of breath and/or higher energy needs. Besides this, medication can influence appetite and intestine function. These deficiencies have influence on the burden of the disease and the quality of life.

### Study objective

Objective of the study is to investigate the prevalence of vitamin deficiencies of a group of Dutch elderly COPD patients. Furthermore, we will investigate if there is a relationship between vitamin deficiencies and perceived burden of the disease. The vitamins A, B1, B6, C, D, E, B12 and folic acid will be investigated. Vitamin status will be correlated to disease severity and quality of life.

### Study design

This is a cross sectional study, of one measurement of serum values of vitamins at COPD patients.

### Study burden and risks

1 vena puncture with 20 ml blood sampling and the Clinical COPD questionnaire.

## Contacts

### Public

Ziekenhuis Gelderse Vallei

Willy Brandtlaan 10

Ede 6716 RP

NL

### Scientific

Ziekenhuis Gelderse Vallei

Willy Brandtlaan 10

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## Trial sites

### Listed location countries

Netherlands

## Eligibility criteria

### Age

Adults (18-64 years)

Elderly (65 years and older)

### Inclusion criteria

stable COPD patients (GOLD I-IV), age 65+

### Exclusion criteria

- Treatment by a dietician during the past half year
- Actual use of oral nutritional supplements
- Renal failure and oncological diseases

## Study design

### Design

**Study type:** Observational invasive

Masking: Open (masking not used)

Control: Uncontrolled

Primary purpose: Diagnostic

### Recruitment

NL

Recruitment status: Recruitment stopped

Start date (anticipated): 01-07-2013

Enrollment: 100

Type: Actual

## Ethics review

Approved WMO

Date: 19-03-2013

Application type: First submission

Review commission: METC Wageningen Universiteit (Wageningen)

Approved WMO

Date: 02-10-2014

Application type: Amendment

Review commission: METC Wageningen Universiteit (Wageningen)

## Study registrations

### Followed up by the following (possibly more current) registration

No registrations found.

## Other (possibly less up-to-date) registrations in this register

No registrations found.

## In other registers

Register	ID
CCMO	NL41942.081.12