

SUPPLEMENTARY MATERIAL

S1 | Diagnoses used for definition of comorbidities

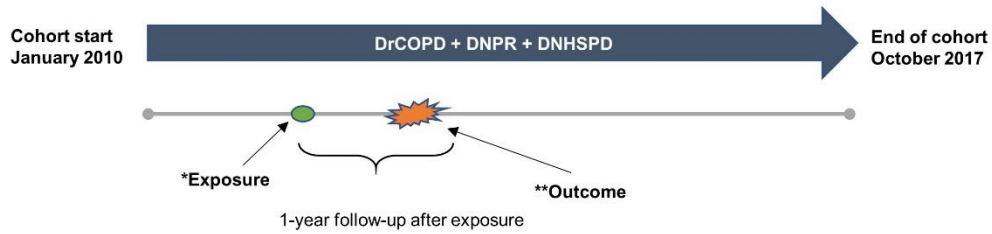
Disease	Definition
Chronic obstructive pulmonary disease	ICD10 J42 - J44; ICD8 491-492
Myocardial infarction	ICD10 I21-I22; ICD8 410
Pneumonia	DJ12–DJ18
Atrial fibrillation	ICD10: I48; ICD8: 427.93–427.94
Heart failure	ICD10: I110, I42, I50, J81; ICD8: 425, 428
Hypertension	ICD10: I10–I15; ICD8: 400–404
Peripheral vascular disease	ICD10: I700, I702, I709, I739; ICD8: 444.00, 444.40-444.44, 444.48, 444.49, 444.90, 445.00, 445.08, 445.09, 445.90
Cerebrovascular disease	ICD10: I60–I64, G458, G459; ICD8: 430–438
Diabetes mellitus	ICD10: E10-14; ICD8: 249, 250; or ATC: A10
Renal failure	ICD10: I120, I131, I132, E102, E112, E132, E142, N02-N08, N11, N14, N158, N159, N160, N162-N164, N168, N18, N19, N26, Z992; ICD-8: 249.02, 250.02, 582, 583, 584, 590.09, 593.20
Depression	ICD10: F32-34; ICD8: 300.4; or ATC: N06A
Asthma	ICD10: J45; ICD8: 493

ICD10: 10th revision of the International Classification of Diseases system.

ICD8: 8th revision of the International Classification of Diseases system.

ATC: Anatomical Therapeutic Chemical Classification System.

S2| Overview of study design



**Exposure:
Prednisolone. ATC code: H02AB06.
Long or short courses of OCS

** Outcome: Time to pneumonia or death
J12-J18 Pneumonia: A or B-diagnosis

DrCOPD: Danish Register of Chronic Obstructive Pulmonary Disease
DNPR: Danish National Patient Registry
DNHSPD: Danish National Health Service Prescription Database

S3| Distribution of short versus long courses of OCS for the study population

Long versus short course for the study population

