

A Registry-based Cohort Study of Alpha-1 Antitrypsin Deficiency Prevalence, Incidence, and Mortality in Denmark 2000-2018

Appendix

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**APPENDIX – SUPPLEMENTARY TABLES 1 - 3 AVAILABLE ONLINE
ONLY**

Supplementary Table 1. Characteristics of patients with AATD diagnosed during the period 1/1/2000 through 12/31/2018, classified by ICD-10 diagnosis codes

ICD-10 Diagnosis Description	ICD-10 Code
Lung diseases	J40-J47
Bronchitis	J41
Emphysema	J43
Other chronic obstructive pulmonary disease	J 44
Asthma	J45
Bronchiectasis	J47
All other chronic lower respiratory diseases	J46
Liver disease	K70 – K76

Abbreviation: ICD= *International Classification of Diseases*

Supplementary Table 2. Conditions included in the Charlson Comorbidity Index, according to ICD-8 and ICD-10 Codes

Charlson Condition	ICD-8 Code	ICD-10 Code
Myocardial infarction	410	I21, I22, I23
Congestive heart failure	427.09–427.11, 427.19, 428.99, 782.49	I50, I11.0, I13.0, I13.2
Peripheral vascular disease	440-445	I70, I71, I72, I73, I74, I77
Cerebrovascular disease	430-438	I60-I69, G45, G46
Dementia	290.09–290.19, 293.09	F00-F03, F05.1, G30
Chronic pulmonary disease	490–493, 515–518	J40-J47, J60-J67, J68.4, J70.1, J70.3, J84.1, J92.0, J96.1, J98.2, J98.3
Connective tissue disease	135.99, 446, 712, 716, 734	M05, M06, M08, M09, M30, M31, M32, M33, M34, M35, M36, D86
Ulcer disease	530.91, 530.98, 531–534	K22.1, K25-K28
Mild liver disease	571, 573.01, 573.04	B18, K70.0-K70.3, K70.9, K71, K73, K74, K76.0
Diabetes mellitus	249.00, 249.06, 249.07, 249.09, 250.00, 250.06, 250.07, 250.09	E10.0, E10.1, E10.9, E11.0; E11.1; E11.9
Diabetes mellitus with chronic complications	249.01-249.06, 249.08, 250.01-250.05, 250.08	E10.2-E10.8, E11.2-E11.8
Hemiplegia	344	G81, G82
Moderate/severe renal disease	403, 404, 580–584, 590.09, 593.19, 753.10–753.19, 792	I12, I13, N00-N05, N07, N11, N14, N17-N19, Q61
Any tumor	140-194	C00-C75
Leukemia	204-207	C91-C95
Lymphoma	200-203, 275.59	C81-C85, C88, C90, C96
Moderate/severe liver disease	070.00, 070.02, 070.04, 070.06, 070.08, 573.00, 456.00–456.09	B15.0, B16.0, B16.2, B19.0, K70.4, K72, K76.6, I85
Metastatic solid tumor	195-199	C76-C80
AIDS	079.83	B21-B24