

APPENDICES**APPENDIX 1****Covariates:**

Previously validated algorithms were used to identify patients with the following diagnoses within the administrative data:

Comorbidity	Sensitivity %	Specificity %	Reference
Diabetes	86.0	97.0	9, 10, 11
Hypertension	72.0	95.0	12
Chronic Obstructive Pulmonary Disease (COPD)	57.5	95.4	13
Congestive Heart Failure (CHF)	84.8	97.0	14
Coronary Artery disease (CAD)	88.8	92.8	15, 16
Dementia	79.3	99.1	17
Frailty	The Johns Hopkins ACG® System (Version 10)		8

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