

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

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

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

**References**

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