## Table 1 - Baseline cohort characteristics

| Characteristic | RECOVERY,  N = 38,510 | Reference population,  N = 346,271 |
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| Age, mean (SD) | 62.6 (15.3) | 65.7 (18.5) |
| <60 | 16,121 (41.9%) | 123,790 (35.7%) |
| 60-69 | 8,906 (23.1%) | 56,452 (16.3%) |
| 70-79 | 7,871 (20.4%) | 69,107 (20.0%) |
| 80+ | 5,612 (14.6%) | 96,922 (28.0%) |
| Sex |  |  |
| Female | 14,060 (36.5%) | 155,441 (44.9%) |
| Male | 24,424 (63.5%) | 190,748 (55.1%) |
| Geographical regiona |  |  |
| London | 4717 (12.2%) | 64,040 (18.5%) |
| North West | 6849 (17.8%) | 56,451 (16.3%) |
| South East | 5841 (15.2%) | 47,139 (13.6%) |
| West Midlands | 3095 (8%) | 40,464 (11.7%) |
| Yorkshire and The Humber | 2897 (7.5%) | 35,757 (10.3%) |
| East Midlands | 3767 (9.8%) | 30,257 (8.7%) |
| East of England | 4107 (10.7%) | 29,348 (8.5%) |
| South West | 3070 (8%) | 21,688 (6.3%) |
| North East | 3070 (8%) | 18,718 (5.4%) |
| Unknown/not resident in England | 1097 (2.9%) | 2409 (0.7%) |
| Ethnicitya |  |  |
| White | 29,595 (83.3%) | 253,842 (78.9%) |
| Black | 1,171 (3.3%) | 16,909 (5.3%) |
| Asian | 3,263 (9.2%) | 35,785 (11.1%) |
| Other | 1,146 (3.2%) | 11,853 (3.7%) |
| Mixed | 351 (1.0%) | 3,532 (1.1%) |
| Unknown | 2,984 (7.7%) | 24,350 (7.0%) |
| Index of multiple deprivation (quintile) |  |  |
| 1 (Most deprived) | 9,821 (25.5%) | 94,487 (27.3%) |
| 2 | 8,284 (21.5%) | 78,400 (22.6%) |
| 3 | 7,466 (19.4%) | 65,082 (18.8%) |
| 4 | 6,910 (17.9%) | 57,203 (16.5%) |
| 5 (Least deprived) | 5,797 (15.1%) | 48,650 (14.0%) |
| Unknown | 232 (0.6%) | 2,449 (0.7%) |
| Charlson score, median (IQR) | 3.0 (1.0, 5.0) | 4.0 (1.0, 6.0) |
| Myocardial infarction | 2,941 (7.6%) | 34,895 (10.1%) |
| Congestive heart failure | 3,158 (8.2%) | 44,007 (12.7%) |
| Peripheral vascular disease | 2,052 (5.3%) | 24,327 (7.0%) |
| Cerebrovascular disease | 2,603 (6.8%) | 41,812 (12.1%) |
| Chronic pulmonary disease | 8,160 (21.2%) | 80,492 (23.2%) |
| Rheumatic disease | 1,579 (4.1%) | 17,365 (5.0%) |
| Dementia | 1,234 (3.2%) | 30,314 (8.8%) |
| Peptic ulcer disease | 710 (1.8%) | 7,693 (2.2%) |
| Liver disease (mild) | 1,515 (3.9%) | 14,674 (4.2%) |
| Liver disease (moderate-severe) | 175 (0.5%) | 2,490 (0.7%) |
| Diabetes mellitus (without chronic complications) | 6,056 (15.7%) | 59,244 (17.1%) |
| Diabetes mellitus (with chronic complications) | 1,354 (3.5%) | 16,111 (4.7%) |
| Chronic kidney disease | 3,800 (9.9%) | 54,019 (15.6%) |
| Solid tumour | 2,463 (6.4%) | 26,844 (7.8%) |
| Metastatic cancer | 589 (1.5%) | 8,287 (2.4%) |
| Lymphoma | 389 (1.0%) | 3,238 (0.9%) |
| Leukaemia | 320 (0.8%) | 2,775 (0.8%) |
| AIDS/HIVb | 0 (0.0%) | 0 (0.0%) |
| Hospital frailty score, median (IQR) | 5.1 (1.8, 11.4) | 6.3 (1.8, 16.3) |
| High-risk (>15) | 6,737 (17.5%) | 94,191 (27.2%) |
| Intermediate risk (5-15) | 12,751 (33.1%) | 99,402 (28.7%) |
| Low risk (<5) | 19,022 (49.4%) | 152,678 (44.1%) |
| Other comorbidities/demographics |  |  |
| Renal replacement therapy | 439 (1.1%) | 4,922 (1.4%) |
| Immunosuppression | 1,471 (3.8%) | 15,531 (4.5%) |
| Obesity | 6,147 (16.0%) | 48,749 (14.1%) |
| Severe mental illness | 4,268 (11.1%) | 43,969 (12.7%) |
| Alcohol-attributable diseases | 945 (2.5%) | 10,909 (3.2%) |
| HES - Hospital Episode Statistics; IQR - interquartile range; SD - standard deviation | | |
| Data are shown as Mean (SD); n (%); or Median (IQR) | | |
| aProportions for people with known and unknown geographical region and ethnicity were calculated separately, using the entire cohort as denominator for each calculation | | |
| bICD-10 codes for AIDS/HIV are censored from HES data | | |