

Appendix: Unadjusted Odds Ratios for all the variables in the model

Admission to Intensive Care Unit

Variables	Unadjusted OR[95%CI]	P-Value
Md_count_grp2	1.16[0.83-1.62]	0.383
Md_count_grp3	2.20[1.51-3.22]	0.000
Cmg		
138	0.032[0.014-0.076]	0.000
139	0.048[0.024-0.098]	0.000
196	0.023[0.009-0.059]	0.000
254	0.010[0.003-0.032]	0.000
285	0.050[0.023-0.106]	0.000
436	0.013[0.004-0.037]	0.000
437	0.023[0.010-0.054]	0.000
477	0.025[0.010-0.065]	0.000
654	0.146[0.082-0.260]	0.000
CCI	0.997[0.927-1.072]	0.927
age admit	0.989[0.982- 0.997]	0.007
Sex patient	1.172[0.874-1.572]	0.289
LoS	1.054[1.039-1.069]	0.000
Team senior	0.983[0.728-1.328]	0.911
Team change	3.705[2.245-6.113]	0.000
Handover	7.500[4.605-12.212]	0.000

In-patient mortality

Variables	Unadjusted OR[95%CI]	P-Value
Md_count_grp2	1.090[0.845-1.405]	0.510
Md_count_grp3	1.917[1.455-2.525]	0.000
Cmg		
138	0.189[0.109-0.327]	0.000
139	0.250[0.153-0.410]	0.000
196	0.315[0.193-0.513]	0.000
254	0.069[0.032-0.147]	0.000
285	0.390[0.254-0.597]	0.000
436	0.050[0.021-0.117]	0.000
437	0.009[0.003-0.033]	0.000
477	0.191[0.104-0.353]	0.000
654	0.317[0.202-0.500]	0.000
CCI	1.479[1.346-1.626]	0.000
age admit	1.051[1.041-1.061]	0.000
Sex patient	1.153[0.920-1.445]	0.214
LoS	1.009[1.004-1.016]	0.001
Team senior	0.854[0.679-1.076]	0.181
Team change	2.485[1.728-3.572]	0.000
Handover	1.368[1.094-1.709]	0.006

Post-discharge 7-Day mortality rate

Variables	Unadjusted OR[95%CI]	P-Value
Md_count_grp2	1.061[0.817-1.379]	0.656
Md_count_grp3	2.266[1.685-3.048]	0.000
Cmg		
138	1.176[0.099-0.314]	0.000
139	0.259[0.156-0.429]	0.000
196	0.328[0.200-0.538]	0.000
254	0.059[0.255-0.626]	0.000
285	0.399[0.255-0.626]	0.000
436	0.053[0.023-0.123]	0.000
437	0.007[0.002-0.270]	0.000
477	0.191[0.104-0.352]	0.000
654	0.346[0.219-0.547]	0.000
CCI	1.511[1.365-1.673]	0.000
age admit	1.055[1.044-1.067]	0.000
Sex patient	1.200[0.953-1.513]	0.121
LoS	1.011[1.004-1.018]	0.001
Team senior	0.850[0.671-1.076]	0.177
Team change	2.776[1.891-4.076]	0.000
Handover	1.408[1.122-1.766]	0.003

30 Day Mortality

Variables	Unadjusted OR[95%CI]	P-Value
Md_count_grp2	1.224[0.902-1.661]	0.194
Md_count_grp3	3.409[2.309-5.032]	0.000
Cmg		
138	0.114[0.056-0.229]	0.000
139	0.209[0.115-0.383]	0.000
196	0.309[0.171-0.561]	0.000
254	0.050[0.021-0.120]	0.000
285	0.406[0.232-0.711]	0.002
436	0.039[0.016-0.099]	0.000
437	0.006[0.002-0.020]	0.000
477	0.141[0.069-0.289]	0.000
654	0.299[0.171-0.526]	0.000
CCI	1.819[1.569-2.088]	0.000
age admit	1.070[1.057-1.085]	0.000
Sex patient	1.216[0.930-1.589]	0.152
LoS	1.017[1.007-1.027]	0.000
Team senior	0.852[0.648-1.119]	0.249
Team change	4.192[2.534-6.934]	0.000
Handover	1.724[1.327-2.239]	0.000

7 Day Readmission

Variables	Unadjusted OR[95%CI]	P-Value
Md_count_grp2	1.123[0.866-1.455]	0.380
Md_count_grp3	1.400[1.044-1.877]	0.024
Cmg		
138	0.800[0.458-1.395]	0.431
139	0.909[0.529-1.564]	0.732
196	1.189[0.698-2.024]	0.523
254	0.557[0.299-1.039]	0.066
285	1.016[0.593-1.742]	0.953
436	0.622[0.340-1.137]	0.123
437	0.518[0.288-0.932]	0.028
477	1.675[0.968-2.898]	0.65
654	0.909[0.539-1.534]	0.721
CCI	1.038[0.986-1.093]	0.156
age admit	1.007[1.001-1.013]	0.023
Sex patient	1.109[0.885-1.389]	0.370
LoS	1.004[1.001-1.008]	0.013
Team senior	1.398[1.089-1.795]	0.009
Team change	1.505[1.034-2.190]	0.033
Handover	1.126[0.886-1.230]	0.333

30 Day Readmission

Variables	Unadjusted OR[95%CI]	P-Value
Md_count_grp2	1.144[0.943-1.387]	0.171
Md_count_grp3	1.455[1.166-1.815]	0.001
Cmg		
138	0.919[0.592-1.429]	0.710
139	1.240[0.812-1.893]	0.319
196	1.913[1.254-2.918]	0.003
254	1.082[0.682-1.716]	0.739
285	1.739[1.133-2.267]	0.011
436	1.044[0.664-1.641]	0.852
437	0.689[0.442-1.075]	0.101
477	1.970[1.251-3.103]	0.003
654	1.191[0.784-1.808]	0.412
CCI	1.070[1.028-1.115]	0.001
age admit	1.007[1.002-1.02]	0.003
Sex patient	1.101[0.925-1.310]	0.278
LoS	1.002[0.998-1.005]	0.350
Team senior	1.204[0.999-1.450]	0.050
Team change	1.174[0.859-1.605]	0.313
Handover	1.035[0.866-1.237]	0.38

