

**Supplementary Table 6: Standardised mean difference (SMD) before and after propensity score matching.** Values of SMD > 0.1 are highlighted

Covariate	Operation type	SMD before	SMD after	Operation type	SMD before	SMD after	Operation type	SMD before	SMD after
Sex		0.046	0.001		<b>0.184</b>	0.006		0.016	0.003
Operation year		<b>0.802</b>	0.034		<b>0.679</b>	0.044		<b>0.722</b>	0.066
Deprivation quintile	F091	0.083	0.009	T242	<b>0.189</b>	0.016	W391	<b>0.329</b>	0.024
Age		<b>0.177</b>	0.019		0.074	0.011		0.025	0.009
Charlson comorbidity score		0.053	0.001		<b>0.127</b>	0.003		<b>0.219</b>	0.027
Ethnicity		<b>0.171</b>	0.020		<b>0.334</b>	0.037		<b>0.568</b>	0.012
Sex		0.090	0.000		<b>0.188</b>	0.013		0.040	0.008
Operation year		<b>0.726</b>	0.023		<b>0.647</b>	0.037		<b>0.685</b>	0.032
Deprivation quintile	F093	<b>0.106</b>	0.014	T243	<b>0.188</b>	0.012	W401	<b>0.225</b>	0.018
Age		<b>0.158</b>	0.005		<b>0.382</b>	0.005		0.053	0.003
Charlson comorbidity score		0.032	0.008		0.050	0.002		<b>0.195</b>	0.003
Ethnicity		<b>0.157</b>	0.008		<b>0.368</b>	0.041		<b>0.360</b>	0.022
Sex		<b>0.141</b>	0.004		<b>0.119</b>	0.003		0.034	0.006
Operation year		<b>0.566</b>	0.026		<b>0.819</b>	0.050		<b>0.862</b>	0.034
Deprivation quintile	J183	<b>0.184</b>	0.015	T272	<b>0.190</b>	0.020	W411	<b>0.297</b>	0.021
Age		<b>0.152</b>	0.000		<b>0.214</b>	0.009		0.055	0.009
Charlson comorbidity score		<b>0.153</b>	0.001		<b>0.171</b>	0.004		<b>0.166</b>	0.013
Ethnicity		<b>0.313</b>	0.019		<b>0.358</b>	0.043		<b>0.203</b>	0.022
Sex		0.027	0.005		0.016	0.000		0.048	0.038
Operation year		<b>0.663</b>	0.055		<b>0.565</b>	0.032		<b>0.494</b>	0.085
Deprivation quintile	M653	<b>0.225</b>	0.014	V255	<b>0.226</b>	0.019	W421	<b>0.366</b>	0.042
Age		<b>0.306</b>	0.013		<b>0.245</b>	0.005		0.041	0.012
Charlson comorbidity score		<b>0.431</b>	0.012		<b>0.195</b>	0.004		<b>0.341</b>	0.011
Ethnicity		<b>0.416</b>	0.036		<b>0.263</b>	0.017		<b>0.653</b>	0.032
Sex		0.001	0.009		0.021	0.008		0.007	0.017
Operation year		<b>0.699</b>	0.061		<b>0.459</b>	0.036		<b>0.853</b>	0.071
Deprivation quintile	Q074	<b>0.140</b>	0.039	W371	<b>0.250</b>	0.012	W931	<b>0.332</b>	0.042
Age		<b>0.691</b>	0.003		<b>0.114</b>	0.009		0.026	0.006
Charlson comorbidity score		<b>0.734</b>	0.037		<b>0.310</b>	0.007		<b>0.233</b>	0.010
Ethnicity		<b>0.291</b>	0.058		<b>0.412</b>	0.012		<b>0.388</b>	0.099
Sex		0.011	0.005		0.011	0.009		0.007	0.001
Operation year		<b>0.750</b>	0.034		<b>0.726</b>	0.039		<b>0.709</b>	0.039
Deprivation quintile	T212	<b>0.168</b>	0.015	W381	<b>0.286</b>	0.009	W941	<b>0.185</b>	0.011
Age		<b>0.201</b>	0.003		<b>0.105</b>	0.002		0.002	0.013
Charlson comorbidity score		<b>0.170</b>	0.006		<b>0.160</b>	0.003		<b>0.217</b>	0.005
Ethnicity		<b>0.285</b>	0.046		<b>0.259</b>	0.034		<b>0.248</b>	0.025