

Supplementary Table 7: Event counts by operation type in the matched data

| Operation type | Total* | In-hospital death (A) | | Emergency transfer (B1) | | Non-emergency transfer (B2) | | Long term stay (C) | | Death (D)** | | All cause readmission (E)** | | Within-specialty readmission (E1)** | |
|-------------------------------|--------|-----------------------|------|-------------------------|------|-----------------------------|------|--------------------|------|-------------|------|-----------------------------|------|-------------------------------------|------|
| | | NHS | ISHP | NHS | ISHP | NHS | ISHP | NHS | ISHP | NHS | ISHP | NHS | ISHP | NHS | ISHP |
| Wisdom tooth impacted | 17184 | 0 | ≤7* | ≤7 | 0 | ≤7 | 0 | 0 | 0 | ≤7 | 0 | 179 | 128 | 79 | 42 |
| Wisdom tooth NEC | 17626 | 0 | 0 | 0 | ≤7 | 11 | ≤7 | 0 | 0 | 0 | 0 | 195 | 143 | 41 | 21 |
| Cholecystectomy** | 20052 | ≤7 | 0 | 11 | 11 | 24 | ≤7 | ≤7 | 0 | ≤7 | ≤7 | 1393 | 1070 | 1072 | 815 |
| Prostate resection | 10184 | ≤7 | 0 | ≤7 | 9 | 11 | ≤7 | ≤7 | 0 | 9 | ≤7 | 822 | 525 | 425 | 253 |
| Hysterectomy | 13674 | ≤7 | 0 | ≤7 | ≤7 | ≤7 | ≤7 | 0 | 0 | 0 | ≤7 | 1233 | 833 | 967 | 580 |
| IH repair (prosthetics) | 8781 | 0 | 0 | ≤7 | ≤7 | ≤7 | ≤7 | 0 | 0 | ≤7 | ≤7 | 405 | 237 | 248 | 121 |
| UH repair (prosthetics) | 17296 | ≤7 | 0 | 0 | ≤7 | 11 | ≤7 | ≤7 | 0 | ≤7 | ≤7 | 809 | 356 | 611 | 232 |
| UH repair (sutures) | 13970 | ≤7 | 0 | ≤7 | 0 | ≤7 | ≤7 | 0 | 0 | ≤7 | ≤7 | 513 | 254 | 358 | 149 |
| VH repair (prosthetics) | 6322 | ≤7 | ≤7 | ≤7 | ≤7 | ≤7 | ≤7 | ≤7 | 0 | ≤7 | ≤7 | 358 | 147 | 251 | 96 |
| Lumbar decompression | 13770 | ≤7 | ≤7 | 11 | ≤7 | 50 | ≤7 | ≤7 | ≤7 | ≤7 | ≤7 | 595 | 317 | 325 | 119 |
| THR (cemented)** | 19975 | 22 | ≤7 | 32 | 46 | 270 | 24 | 9 | ≤7 | 17 | 15 | 1076 | 888 | 411 | 307 |
| THR (no cement)** | 19950 | 8 | 0 | 21 | 11 | 122 | 13 | 11 | ≤7 | 8 | 13 | 977 | 685 | 317 | 211 |
| THR (NEC) | 3355 | ≤7 | 0 | ≤7 | ≤7 | 84 | 0 | 8 | ≤7 | ≤7 | ≤7 | 201 | 131 | 65 | 36 |
| TKR (cemented)** | 19837 | 13 | ≤7 | 33 | 38 | 127 | 12 | ≤7 | 0 | 11 | 13 | 1116 | 818 | 420 | 208 |
| TKR (no cement) | 6979 | ≤7 | ≤7 | 12 | 21 | 72 | ≤7 | ≤7 | ≤7 | ≤7 | ≤7 | 423 | 293 | 137 | 63 |
| TKR (NEC) | 7738 | 10 | ≤7 | ≤7 | 16 | 144 | 10 | ≤7 | ≤7 | 8 | 16 | 489 | 352 | 181 | 90 |
| THR (cemented acetabulum) | 4326 | ≤7 | 0 | ≤7 | ≤7 | 27 | ≤7 | 0 | 0 | ≤7 | ≤7 | 249 | 171 | 64 | 39 |
| THR (cemented femoral stem)** | 19968 | 15 | ≤7 | 35 | 39 | 156 | 14 | ≤7 | 0 | 9 | 13 | 1015 | 725 | 362 | 187 |

* Number of operations in each of the matched NHS and ISHP groups

** D-E are events occurring within 28 days of discharge. Note that emergency readmission and death may both occur

+ Small numbers ≤7 have been censored for non-identifiability purposes.

++ The raw data set for these operation types was randomly subsampled so as to reduce the computational expense of the matching process.