**Table S1** Recurrent rates from radical surgeries by TNM stage at diagnosis

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| **1-year recurrence rate (N=3,556)** |
| **Recurrence, n (%)** | **Stage I** | **Stage II** | **Stage III** | **Stage unknown** | **p-value** | **Total** |
| **(n=398)** | **(n=1,003)** | **(n=1,342)** | **(n=813)** | **(n=3,556)** |
| Yes | 8 (2.0%) | 53 (5.3%) | 179 (13%) | 78 (9.6%) | <0.001 | 318 (8.9%) |
| No | 390 (98%) | 950 (95%) | 1,163 (87%) | 735 (90%) | 3,238 (91%) |
| **2-year recurrence rate (N=2,525)** |
| **Recurrence, n (%)** | **Stage I** | **Stage II** | **Stage III** | **Stage unknown** | **p-value** | **Total** |
| **(n=273)** | **(n=695)** | **(n=1,014)** | **(n=543)** | **(n=2,525)** |
| Yes | 9 (3.3%) | 68 (9.8%) | 241 (24%) | 91 (17%) | <0.001 | 409 (16%) |
| No | 264 (97%) | 627 (90%) | 773 (76%) | 452 (83%) | 2,116 (83%) |
| **3-year recurrence rate (N=1,476)** |
| **Recurrence, n (%)** | **Stage I** | **Stage II** | **Stage III** | **Stage unknown** | **p-value** | **Total** |
| **(n=123)** | **(n=380)** | **(n=649)** | **(n=324)** | **(n=1,476)** |
| Yes | 11 (8.9%) | 73 (19%) | 265 (41%) | 101 (31%) | <0.001 | 450 (30%) |
| No | 112 (91%) | 307 (81%) | 384 (59%) | 223 (69%) | 1,026 (70%) |

P-values were calculated from Fisher's exact tests.

**Table S2** Recurrent rates from radical surgeries by primary tumor site

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| **1-year recurrence rate (N=3,556)** |
| **Recurrence, n (%)** | **Left-sided** | **Right-sided** | **Colorectal NOS** | **p-value** | **Total** |
| **(n=2,609)** | **(n=714)** | **(n=233)** | **(n=3,556)** |
| Yes | 225 (8.6%) | 67 (9.4%) | 26 (11%) | 0.363 | 318 (8.9%) |
| No | 2,384 (91%) | 647 (91%) | 207 (89%) | 3,238 (91%) |
| **2-year recurrence rate (N=2,525)** |
| **Recurrence, n (%)** | **Left-sided** | **Right-sided** | **Colorectal NOS** | **p-value** | **Total** |
| **(n=1,848)** | **(n=519)** | **(n=158)** | **(n=2,525)** |
| Yes | 296 (16%) | 81 (16%) | 32 (20%) | 0.349 | 409 (16%) |
| No | 1,552 (84%) | 438 (84%) | 126 (80%) | 2,116 (84%) |
| **3-year recurrence rate (N=1,476)** |
| **Recurrence, n (%)** | **Left-sided** | **Right-sided** | **Colorectal NOS** | **p-value** | **Total** |
| **(n=1,052)** | **(n=311)** | **(n=113)** | **(n=1,476)** |
| Yes | 321 (31%) | 87 (28%) | 42 (37%) | 0.193 | 450 (30%) |
| No | 731 (69%) | 224 (72%) | 71 (62%) | 1,026 (70%) |