

Supplementary Table 1. Frequency of emergency presentation for different cancers

| Study | Cancer Site | Total number of cases (N) | Number of EP (n) | Proportion of EP (%) |
|--------------------------|----------------------------------|---------------------------|------------------|----------------------|
| Colorectal | | | | |
| Abel (2015) | Colon | 97880 | 30777 | 31 |
| Gunnarsson (2013) | Colon | 12293 | 2856 | 23 |
| Gunnarsson (2014) | Colon | 1430 | 158 | 11 |
| Abel (2015) | Rectal | 54076 | 8177 | 15 |
| Comber (2016) | Rectal | 3050 | 342 | 11 |
| Bottle (2012) | Colorectal | 80508 | 17285 | 22 |
| Cleary (2007) | Colorectal | 349 | 62 | 18 |
| Dejardin (2005) | Colorectal | 1413 | 192 | 14 |
| Elliss-Brookes (2012) | Colorectal | 91416 | * | 26 |
| McArdle (2004) | Colorectal | 3200 | 986 | 31 |
| | Colon | 2068 | 802 | 39 |
| | Rectum | 1091 | 170 | 16 |
| McPhail (2013) | Colorectal | 89484 | * | 26 |
| Pruitt (2014) | Colorectal (emergency diagnosis) | 83330 | * | 29 |
| | Colorectal (emergency surgery) | 55046 | * | 26 |
| Rabeneck (2006) | Colorectal | 41356 | 7739 | 19 |
| | Colon | 21050 | 4572 | 22 |
| | Rectal | 13216 | 1636 | 12 |
| | Other/Synchronous | 7090 | 1531 | 22 |
| Renzi (2016) | Colon | 1029 | 361 | 35 |
| | Rectal | 577 | 87 | 15 |
| Raine (2010) | Colorectal | 186977 | 60684 | 33 |
| Sheringham (2014) | Colorectal | 943 | * | 24 |
| Sikka (2010) | Colorectal | 9030 | * | 23 |
| Wallace (2014) | Colorectal | 82777 | 17889 | 22 |
| Lung | | | | |
| Abel (2015) | Lung | 162543 | 62498 | 39 |
| Barrett (2008) | Lung | 246 | 56 | 23 |
| Bottle (2012) | Lung | 62442 | 24803 | 40 |
| Elliss-Brookes (2012) | Lung | 96735 | * | 39 |
| McPhail (2013) | Lung | 9601 | * | 36 |
| Raine (2010) | Lung | 186741 | 96521 | 52 |
| Sikka (2010) | Lung | 11281 | * | 19 |
| Abel (2015) | Mesothelioma | 10116 | 3631 | 36 |
| Beckett (2014) | NSCLC | 133530 | 25675 | 19 |
| Tataru (2015) | NSCLC | 93783 | 35042 | 37 |
| Oesophago-gastric | | | | |
| Abel (2015) | Oesophageal | 32470 | 7062 | 22 |
| Bottle (2012) | Oesophageal | 18946 | 3407 | 18 |
| Elliss-Brookes (2012) | Oesophageal | 19449 | * | 22 |
| Palser (2013) | Oesophageal | 9755 | * | 13 |
| Shawihdi (2014) | Oesophago-gastric | 22488 | * | 28 |
| Abel (2015) | Stomach | 29893 | 9913 | 33 |
| Bottle (2012) | Stomach | 13970 | 3684 | 26 |
| Elliss-Brookes (2012) | Stomach | 18613 | * | 33 |
| Palser (2013) | Stomach | 4347 | * | 24 |

| Gender-specific | | | | |
|------------------------|---------------------------------------|--------|-------|----|
| Barrett (2010) | Ovarian | 212 | 43 | 20 |
| Bottle (2010) | Ovarian | 12079 | 3493 | 29 |
| Elliss-Brookes (2012) | Ovarian | 16026 | * | 32 |
| Bottle (2010) | Cervix | 5964 | 779 | 13 |
| McPhail (2013) | Cervix | 6950 | * | 12 |
| Bottle (2010) | Prostate | 55275 | 6487 | 12 |
| Elliss-Brookes (2012) | Prostate | 92922 | * | 10 |
| McPhail (2013) | Prostate | 11204 | * | 7 |
| Bottle (2010) | Testis | 4732 | 445 | 9 |
| Bottle (2010) | Uterus | 16017 | 1036 | 7 |
| Elliss-Brookes (2012) | Uterus | 18462 | * | 8 |
| Bottle (2010) | Breast | 101506 | 4170 | 4 |
| Elliss-Brookes (2012) | Breast | 110173 | * | 5 |
| McPhail (2013) | Breast | 12354 | * | 4 |
| Raine (2010) | Breast | 191103 | 25244 | 13 |
| Urogenital | | | | |
| Abel (2015) | Bladder | 42234 | 7834 | 19 |
| Bottle (2012) | Bladder | 48333 | 3696 | 8 |
| Elliss-Brookes (2012) | Bladder | 25639 | * | 19 |
| Abel (2015) | Renal | 29469 | 7733 | 26 |
| Bottle (2012) | Kidney | 13653 | 3157 | 23 |
| Elliss-Brookes (2012) | Kidney and unspecified urinary organs | 20594 | * | 25 |
| Other gastrointestinal | | | | |
| Abel (2015) | Pancreas | 33295 | 16364 | 49 |
| Bottle (2012) | Pancreas | 13225 | 7436 | 56 |
| Elliss-Brookes (2012) | Pancreas | 19896 | * | 50 |
| Abel (2015) | Small intestine | 3399 | 1863 | 55 |
| Abel (2015) | Liver | 14732 | 7270 | 49 |
| Abel (2015) | Anal | 3381 | 345 | 10 |
| CNS | | | | |
| Abel (2015) | Brain | 16710 | 11175 | 67 |
| Bottle (2012) | Brain and CNS | 13170 | 6484 | 49 |
| Elliss-Brookes (2012) | CNS | 11697 | * | 62 |
| Leukaemia | | | | |
| Abel (2015) | Hodgkin's | 4768 | 674 | 14 |
| Abel (2015) | Non-Hodgkin's | 46329 | 12393 | 27 |
| Bottle (2012) | Non-Hodgkin's | 23541 | 5318 | 23 |
| Elliss-Brookes (2012) | Non-Hodgkin's | 25413 | * | 27 |
| Abel (2015) | Multiple myeloma | 18272 | 6693 | 37 |
| Bottle (2012) | Multiple myeloma | 9654 | 2674 | 28 |
| Elliss-Brookes (2012) | Multiple myeloma | 11221 | * | 37 |
| Abel (2015) | CLL | 11892 | 2950 | 25 |
| Abel (2015) | CML | 1702 | 656 | 39 |
| Bottle (2012) | Chronic leukaemia | 7192 | 1716 | 24 |
| Abel (2015) | AML | 9611 | 5388 | 56 |
| Bottle (2012) | Acute leukaemia | 8336 | 4087 | 49 |
| Oral-pharyngeal/ENT | | | | |
| Abel (2015) | Oral | 9801 | 491 | 5 |
| Bottle (2012) | Oral | 9863 | 721 | 7 |
| Abel (2015) | Oropharyngeal | 6429 | 365 | 6 |
| Abel (2015) | Laryngeal | 8283 | 833 | 10 |
| Bottle (2012) | Larynx | 4764 | 661 | 14 |
| Abel (2015) | Thyroid | 8254 | 460 | 6 |
| Nouraei (2014) | Tracheal | 874 | 353 | 40 |

| Melanoma | | | | |
|----------------------------------------------------------------------|---------------------|-------|-------|----|
| Abel (2015) | Melanoma | 45561 | 967 | 2 |
| Bottle (2012) | Melanoma | 18933 | 414 | 2 |
| Elliss-Brookes (2012) | Melanoma | 26660 | * | 3 |
| Others | | | | |
| Abel (2015) | Soft-tissue sarcoma | 4839 | 635 | 13 |
| Abel (2015) | Unknown primary | 43290 | 24805 | 57 |
| Bottle (2012) | Other | 96961 | 37398 | 39 |
| * Data not available in study, only percentage and total cases given | | | | |