

| Variable   | Mean    | SE      | A      | B      | Distribution |
|--|---------|---------|--------|--------|--------------|
| PFS fatality   | 0.16    | 0.016   | –      | –      | Normal       |
| PFS fit for second-line chemotherapy                     | 0.3449  | –       | 1299   | 2467   | Beta         |
| Chemotherapy day-case administration cost (first visit)  | £309.17 | £14.73  | –      | –      | Normal       |
| Chemotherapy day-case administration cost (other visits) | £284.45 | £8.95   | –      | –      | Normal       |
| Chemotherapy outpatient administration cost              | £128.69 | £3.92   | –      | –      | Normal       |
| Chemotherapy inpatient administration cost               | £462.88 | £12.88  | –      | –      | Normal       |
| Body surface area (males)                                | 1.8905  | 0.00913 | –      | –      | Normal       |
| Body surface area (females)                              | 1.6549  | 0.00906 | –      | –      | Normal       |
| Gender balance (proportion males)                        | 56.07%  | –       | 16,807 | 13,170 | Beta         |
| AE rates: DOC diarrhoea                                  | 6.41%   | –       | 99     | 1445   | Beta         |
| AE rates: DOC fatigue                                    | 9.01%   | –       | 139    | 1403   | Beta         |
| AE rates: DOC febrile neutropenia                        | 2.85%   | –       | 44     | 1498   | Beta         |
| AE rates: DOC hair loss                                  | 0.00%   | –       | 0      | 1542   | Beta         |
| AE rates: DOC nausea/vomiting                            | 20.36%  | –       | 314    | 1228   | Beta         |
| AE rates: DOC neutropenia                                | 62.13%  | –       | 958    | 584    | Beta         |
| AE rates: DOC rash                                       | 0.00%   | –       | 0      | 1542   | Beta         |
| AE rates: VNB diarrhoea                                  | 1.81%   | –       | 23     | 1249   | Beta         |
| AE rates: VNB fatigue                                    | 10.75%  | –       | 173    | 1436   | Beta         |
| AE rates: VNB febrile neutropenia                        | 6.57%   | –       | 103    | 1464   | Beta         |
| AE rates: VNB hair loss                                  | 1.16%   | –       | 18     | 1531   | Beta         |
| AE rates: VNB nausea/vomiting                            | 20.27%  | –       | 354    | 1392   | Beta         |
| AE rates: VNB neutropenia                                | 63.12%  | –       | 1102   | 644    | Beta         |
| AE rates: VNB rash                                       | 0.14%   | –       | 1      | 700    | Beta         |
| AE rates: PAX diarrhoea                                  | 2.28%   | –       | 49     | 2096   | Beta         |
| AE rates: PAX fatigue                                    | 7.15%   | –       | 153    | 1988   | Beta         |
| AE rates: PAX febrile neutropenia                        | 4.95%   | –       | 124    | 2383   | Beta         |
| AE rates: PAX hair loss                                  | 0.00%   | –       | 0      | 2145   | Beta         |
| AE rates: PAX nausea/vomiting                            | 13.52%  | –       | 339    | 2168   | Beta         |
| AE rates: PAX neutropenia                                | 57.36%  | –       | 1438   | 1069   | Beta         |
| AE rates: PAX rash                                       | 0.45%   | –       | 8      | 1771   | Beta         |
| AE rates: GEM diarrhoea                                  | 1.77%   | –       | 31     | 1716   | Beta         |
| AE rates: GEM fatigue                                    | 11.69%  | –       | 203    | 1533   | Beta         |

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| AE rates: GEM febrile neutropenia       | 2.75%    | –      | 62  | 2190 | Beta         |
| AE rates: GEM hair loss                 | 1.35%    | –      | 26  | 1898 | Beta         |
| AE rates: GEM nausea/vomiting           | 19.12%   | –      | 505 | 2136 | Beta         |
| AE rates: GEM neutropenia               | 37.15%   | –      | 981 | 1660 | Beta         |
| AE rates: GEM rash                      | 0.46%    | –      | 5   | 1088 | Beta         |
| AE rates: PEM diarrhoea                 | 1.33%    | –      | 11  | 819  | Beta         |
| AE rates: PEM fatigue                   | 6.75%    | –      | 56  | 774  | Beta         |
| AE rates: PEM febrile neutropenia       | 1.33%    | –      | 11  | 819  | Beta         |
| AE rates: PEM hair loss                 | 0.00%    | –      | 0   | 830  | Beta         |
| AE rates: PEM nausea/vomiting           | 11.23%   | –      | 117 | 925  | Beta         |
| AE rates: PEM neutropenia               | 20.63%   | –      | 215 | 827  | Beta         |
| AE rates: PEM rash                      | 0.12%    | –      | 1   | 829  | Beta         |
| AE rates: GEF diarrhoea                 | 3.09%    | –      | 25  | 783  | Beta         |
| AE rates: GEF fatigue                   | 0.87%    | –      | 7   | 801  | Beta         |
| AE rates: GEF febrile neutropenia       | 0.12%    | –      | 1   | 807  | Beta         |
| AE rates: GEF hair loss                 | 0.00%    | –      | 0   | 808  | Beta         |
| AE rates: GEF nausea/vomiting           | 0.62%    | –      | 5   | 803  | Beta         |
| AE rates: GEF neutropenia               | 2.85%    | –      | 23  | 785  | Beta         |
| AE rates: GEF rash                      | 3.34%    | –      | 27  | 781  | Beta         |
| AE rates: ERL diarrhoea                 | 1.53%    | –      | 14  | 904  | Beta         |
| AE rates: ERL fatigue                   | 3.27%    | –      | 30  | 888  | Beta         |
| AE rates: ERL febrile neutropenia       | 0.00%    | –      | 0   | 918  | Beta         |
| AE rates: ERL hair loss                 | 0.00%    | –      | 0   | 918  | Beta         |
| AE rates: ERL nausea/vomiting           | 0.65%    | –      | 6   | 912  | Beta         |
| AE rates: ERL neutropenia               | 0.00%    | –      | 0   | 918  | Beta         |
| AE rates: ERL rash                      | 8.00%    | –      | 73  | 840  | Beta         |
| AE unit cost: nausea/vomiting/diarrhoea | £443.54  | £14.80 | –   | –    | Normal       |
| AE unit cost: fatigue                   | £2536.95 | £74.46 | –   | –    | Normal       |
| AE unit cost: febrile neutropenia       | £521.67  | £29.03 | –   | –    | Normal       |
| AE unit cost: neutropenia               | £1034.99 | £57.59 | –   | –    | Normal       |
| AE unit cost: rash                      | £113.03  | £3.85  | –   | –    | Normal       |
| Response rate: DOC                      | 26.7%    | –      | 408 | 1119 | Beta         |
| Stable disease rate: DOC                | 39.1%    | –      | 597 | 930  | Beta         |
| Response rate: PAX                      | 27.5%    | –      | 618 | 1632 | Beta         |
| Stable disease rate: PAX                | 34.1%    | –      | 767 | 1483 | Beta         |
| Response rate: VNB                      | 28.6%    | –      | 418 | 1041 | Beta         |
| Stable disease rate: VNB                | 36.5%    | –      | 533 | 926  | Beta         |
| Response rate: GEM                      | 27.3%    | –      | 560 | 1488 | Beta         |

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| Stable disease rate: GEM   | 38.5%    | –        | 789    | 1259   | Beta         |
| Response rate: PEM   | 30.6%    | –        | 233    | 529    | Beta         |
| Stable disease rate: PEM   | 41.2%    | –        | 314    | 448    | Beta         |
| Response rate: GEF   | 71.5%    | –        | 236    | 94     | Beta         |
| Stable disease rate: GEF   | 19.4%    | –        | 64     | 266    | Beta         |
| Response rate: DOC (second line)   | 6.3%     | –        | 11     | 164    | Beta         |
| Stable disease rate: DOC (second line)   | 39.4%    | –        | 69     | 106    | Beta         |
| Response rate: ERL (second line)   | 8.9%     | –        | 38     | 389    | Beta         |
| Stable disease rate: ERL (second line)   | 36.1%    | –        | 154    | 273    | Beta         |
| Nafees <i>et al.</i> <sup>116</sup> utility model parameter: intercept (stable)  | 0.6532   | 0.02223  | –      | –      | Normal       |
| Nafees <i>et al.</i> <sup>116</sup> utility model parameter: progressive disease | –0.1798  | 0.02169  | –      | –      | Normal       |
| Nafees <i>et al.</i> <sup>116</sup> utility model parameter: response            | 0.0193   | 0.006556 | –      | –      | Normal       |
| Nafees <i>et al.</i> <sup>116</sup> utility model parameter: diarrhoea           | –0.08973 | 0.01543  | –      | –      | Normal       |
| Nafees <i>et al.</i> <sup>116</sup> utility model parameter: fatigue             | –0.09002 | 0.01633  | –      | –      | Normal       |
| Nafees <i>et al.</i> <sup>116</sup> utility model parameter: febrile neutropenia | –0.07346 | 0.01849  | –      | –      | Normal       |
| Nafees <i>et al.</i> <sup>116</sup> utility model parameter: hair loss           | –0.04802 | 0.01618  | –      | –      | Normal       |
| Nafees <i>et al.</i> <sup>116</sup> utility model parameter: nausea/vomiting     | –0.0468  | 0.01553  | –      | –      | Normal       |
| Nafees <i>et al.</i> <sup>116</sup> utility model parameter: neutropenia         | –0.04495 | 0.01482  | –      | –      | Normal       |
| Nafees <i>et al.</i> <sup>116</sup> utility model parameter: rash                | –0.03248 | 0.01171  | –      | –      | Normal       |
| Place of death: hospital   | 55.79%   | –        | 16,636 | 13,180 | Beta         |
| Place of death: hospice  | 16.90%   | –        | 5039   | 24,777 | Beta         |
| Unit cost: chest X-ray   | £24.04   | £2.40    | –      | –      | Normal       |
| Unit cost: CT scan (two areas)   | £145.83  | £3.43    | –      | –      | Normal       |
| Unit cost: CT scan (three areas)   | £162.25  | £4.81    | –      | –      | Normal       |
| Unit cost: ECG   | £32.69   | £2.05    | –      | –      | Normal       |
| Unit cost: community nurse   | £78.00   | £7.80    | –      | –      | Normal       |
| Unit cost: GP surgery visit  | £36.00   | £3.60    | –      | –      | Normal       |
| Unit cost: clinical nurse specialist   | £91.00   | £9.10    | –      | –      | Normal       |
| Unit cost: GP home visit   | £120.00  | £12.00   | –      | –      | Normal       |
| Unit cost: therapist   | £42.00   | £4.20    | –      | –      | Normal       |
| Unit cost: long-stay inpatient episode   | £2655.55 | £70.71   | –      | –      | Normal       |
| Unit cost: long-stay inpatient excess days                                       | £196.61  | £6.25    | –      | –      | Normal       |
| Frequency in PFS: outpatient visits  | 9.612    | 0.332    | –      | –      | Normal       |
| Frequency in PFS: chest X-ray  | 6.785    | 0.279    | –      | –      | Normal       |
| Frequency in PFS: CT scan (chest)  | 0.618    | 0.084    | –      | –      | Normal       |

| Variable                            | Mean   | SE     | A | B | Distribution |
|-------------------------------------|--------|--------|---|---|--------------|
| Frequency in PFS: CT scan (other)   | 0.355  | 0.064  | – | – | Normal       |
| Frequency in PFS: ECG               | 1.041  | 0.109  | – | – | Normal       |
| Frequency in PPS: outpatient visits | 7.907  | 0.343  | – | – | Normal       |
| Frequency in PPS: chest X-ray       | 6.498  | 0.310  | – | – | Normal       |
| Frequency in PPS: CT scan (chest)   | 0.237  | 0.059  | – | – | Normal       |
| Frequency in PPS: CT scan (other)   | 0.415  | 0.079  | – | – | Normal       |
| Frequency in PPS: ECG               | 0.875  | 0.114  | – | – | Normal       |
| Time-to-death exponential rate      | 0.1359 | 0.0068 | – | – | Normal       |

SE, standard error.