

Table S1: Point estimates (PE) with lower (LCI) and upper (UCI) 95% confidence intervals, standard errors (SE) and relative % precision (RP) of Loss in Life Expectancy (LLE), Life Expectancy for cancer patients (LE_C) and their Life Expectancy if they did not have cancer (LE_{exp}), obtained with different approaches. Results are presented for women, aged 55, 65, 75 and 85 years at breast cancer diagnosis in 1992, 1997 and 2002 years. All PEs are measured in years. RP illustrates the comparison of modelling approaches with and without uncertainty in the expected measures.

| Approach | Age at diagnosis | Expected Life Expectancy (LE _{exp}) | | Life Expectancy for cancer patients (LE _C) | | Loss in Life expectancy (LLE) | | | | | |
|--------------------------|------------------|---|------|--|------|-------------------------------|------|------|--------|------|------|
| | | PE | SE | PE | SE | RP (%) | PE | SE | RP (%) | LCI | UCI |
| diagnosed in 1992 | | | | | | | | | | | |
| modelled w.u. | 55 | 29.62 | 0.65 | 23.84 | 0.50 | 187.76 | 5.77 | 0.25 | 46.26 | 5.28 | 6.27 |
| modelled w/o u. | 55 | 29.62 | | 23.84 | 0.17 | | 5.77 | 0.17 | | 5.43 | 6.11 |
| standard | 55 | 29.99 | | 24.59 | 0.18 | | 5.41 | 0.18 | | 5.05 | 5.76 |
| modelled w.u. | 65 | 20.87 | 0.52 | 17.04 | 0.39 | 259.11 | 3.82 | 0.18 | 69.01 | 3.46 | 4.18 |
| modelled w/o u. | 65 | 20.87 | | 17.04 | 0.11 | | 3.82 | 0.11 | | 3.61 | 4.03 |
| standard | 65 | 20.60 | | 17.13 | 0.11 | | 3.47 | 0.11 | | 3.25 | 3.69 |
| modelled w.u. | 75 | 13.02 | 0.41 | 10.26 | 0.28 | 238.73 | 2.76 | 0.17 | 97.51 | 2.43 | 3.08 |
| modelled w/o u. | 75 | 13.02 | | 10.26 | 0.08 | | 2.76 | 0.08 | | 2.59 | 2.92 |
| standard | 75 | 12.09 | | 9.86 | 0.08 | | 2.23 | 0.08 | | 2.08 | 2.38 |
| modelled w.u. | 85 | 6.67 | 0.34 | 5.32 | 0.24 | 282.80 | 1.35 | 0.13 | 108.06 | 1.09 | 1.60 |
| modelled w/o u. | 85 | 6.67 | | 5.32 | 0.06 | | 1.35 | 0.06 | | 1.22 | 1.47 |
| standard | 85 | 6.04 | | 4.99 | 0.06 | | 1.05 | 0.06 | | 0.94 | 1.16 |
| diagnosed in 1997 | | | | | | | | | | | |
| modelled w.u. | 55 | 29.95 | 0.36 | 24.10 | 0.31 | 76.98 | 5.85 | 0.21 | 17.06 | 5.44 | 6.25 |
| modelled w/o u. | 55 | 29.95 | | 24.10 | 0.18 | | 5.85 | 0.18 | | 5.50 | 6.19 |
| standard | 55 | 30.41 | | 24.90 | 0.19 | | 5.51 | 0.19 | | 5.14 | 5.88 |
| modelled w.u. | 65 | 20.96 | 0.32 | 17.12 | 0.26 | 135.16 | 3.84 | 0.14 | 31.24 | 3.56 | 4.12 |
| modelled w/o u. | 65 | 20.96 | | 17.12 | 0.11 | | 3.84 | 0.11 | | 3.63 | 4.05 |
| standard | 65 | 21.01 | | 17.44 | 0.12 | | 3.57 | 0.12 | | 3.35 | 3.80 |
| modelled w.u. | 75 | 12.98 | 0.26 | 10.24 | 0.19 | 134.58 | 2.74 | 0.12 | 46.23 | 2.50 | 2.98 |
| modelled w/o u. | 75 | 12.98 | | 10.24 | 0.08 | | 2.74 | 0.08 | | 2.58 | 2.90 |
| standard | 75 | 12.53 | | 10.18 | 0.08 | | 2.35 | 0.08 | | 2.19 | 2.52 |
| modelled w.u. | 85 | 6.62 | 0.20 | 5.29 | 0.15 | 146.01 | 1.33 | 0.09 | 45.56 | 1.16 | 1.51 |
| modelled w/o u. | 85 | 6.62 | | 5.29 | 0.06 | | 1.33 | 0.06 | | 1.21 | 1.45 |
| standard | 85 | 6.18 | | 5.10 | 0.06 | | 1.09 | 0.06 | | 0.97 | 1.20 |
| diagnosed in 2002 | | | | | | | | | | | |
| modelled w.u. | 55 | 29.71 | 0.40 | 23.96 | 0.33 | 91.78 | 5.75 | 0.21 | 20.73 | 5.34 | 6.15 |
| modelled w/o u. | 55 | 29.71 | | 23.96 | 0.17 | | 5.75 | 0.17 | | 5.41 | 6.08 |
| standard | 55 | 30.64 | | 25.07 | 0.19 | | 5.57 | 0.19 | | 5.19 | 5.94 |
| modelled w.u. | 65 | 20.54 | 0.35 | 16.84 | 0.28 | 165.62 | 3.70 | 0.15 | 39.52 | 3.42 | 3.98 |
| modelled w/o u. | 65 | 20.54 | | 16.84 | 0.10 | | 3.70 | 0.10 | | 3.50 | 3.90 |
| standard | 65 | 21.47 | | 17.78 | 0.12 | | 3.69 | 0.12 | | 3.45 | 3.92 |
| modelled w.u. | 75 | 12.53 | 0.30 | 9.94 | 0.22 | 177.98 | 2.59 | 0.13 | 62.33 | 2.34 | 2.84 |
| modelled w/o u. | 75 | 12.53 | | 9.94 | 0.08 | | 2.59 | 0.08 | | 2.44 | 2.74 |
| standard | 75 | 12.95 | | 10.48 | 0.09 | | 2.47 | 0.09 | | 2.30 | 2.64 |
| modelled w.u. | 85 | 6.32 | 0.25 | 5.08 | 0.18 | 214.94 | 1.24 | 0.10 | 73.06 | 1.05 | 1.43 |
| modelled w/o u. | 85 | 6.32 | | 5.08 | 0.06 | | 1.24 | 0.06 | | 1.13 | 1.35 |
| standard | 85 | 6.35 | | 5.23 | 0.06 | | 1.13 | 0.06 | | 1.00 | 1.25 |