

## Web-only Appendix

**Table A1** Odds ratios and tests for trend of odds of registration by DCO and missing data on stage and grade at diagnosis by quintiles of TDS (adjusted for age and sex) – registrations of colorectal cancer only

Quintiles of TDS†	TDS range	N	Registration by DCO††		Data on stage at diagnosis missing		Data on grade at diagnosis missing	
			N (%)	Odds ratio (95% CI‡)	N (%)	Odds ratio (95% CI)	N (%)	Odds ratio (95% CI)
1 (most affluent)	–8.89– –3.24	23 14	33 (1.43)	1.00 reference	430 (18.58)	1.00 reference	407 (17.59)	1.00 reference
2	–3.24– –1.64	23 76	35 (1.47)	0.95 (0.59, 1.52)	446 (18.77)	0.97 (0.83, 1.13)	459 (19.32)	1.08 (0.93, 1.26)
3	–1.64– 0.31	24 77	33 (1.33)	0.81 (0.50, 1.31)	507 (20.47)	1.07 (0.92, 1.23)	516 (20.83)	1.18 (1.01, 1.36)
4	0.31– 2.84	25 31	35 (1.38)	0.82 (0.51, 1.33)	621 (24.54)	1.34 (1.16, 1.55)	581 (22.96)	1.32 (1.14, 1.53)
5 (most deprived)	2.84– 8.45	26 79	32 (1.19)	0.80 (0.49, 1.32)	658 (24.56)	1.42 (1.24, 1.63)	582 (21.72)	1.29 (1.12, 1.49)
Test for trend of odds			$\chi^2=0.96$ , p=0.328		$\chi^2=42.34$ , p<0.0001*		$\chi^2=17.47$ , p<0.0001*	

\*statistically significant at the 0.1% level; †Townsend Deprivation Score; ††Death certification only;

‡Confidence intervals

**Table A2** Odds ratios and tests for trend of odds of registration by DCO and missing data on stage and grade at diagnosis by quintiles of TDS (adjusted for age and sex) – registrations of breast cancer only

Quintiles of TDS†	TDS range	Registration by DCO††			Data on stage at diagnosis missing		Data on grade at diagnosis missing	
		N	N (%)	Odds ratio (95% CI‡)	N (%)	Odds ratio (95% CI)	N (%)	Odds ratio (95% CI)
1 (most affluent)	-8.89– -3.24	27 26	21 (0.77)	1.00 reference	232 (8.51)	1.00 reference	453 (16.62)	1.00 reference
2	-3.24– -1.64	26 76	25 (0.93)	1.15 (0.64, 2.08)	210 (7.85)	0.86 (0.70, 1.06)	434 (16.22)	0.92 (0.79, 1.08)
3	-1.64– 0.31	25 60	22 (0.86)	0.96 (0.52, 1.76)	243 (9.49)	1.01 (0.82, 1.23)	455 (17.77)	0.98 (0.84, 1.15)
4	0.31– 2.84	25 25	25 (0.99)	0.99 (0.55, 1.79)	307 (12.16)	1.26 (1.03, 1.53)	530 (20.99)	1.15 (0.98, 1.34)
5 (most deprived)	2.84– 8.45	23 60	22 (0.93)	0.98 (0.53, 1.80)	252 (10.68)	1.11 (0.90, 1.36)	501 (21.23)	1.22 (1.05, 1.43)
Test for trend of odds		$\chi^2=0.04$ , p=0.837			$\chi^2=7.12$ , p=0.008		$\chi^2=12.25$ , p=0.0005	

†Townsend Deprivation Score; ††Death certification only; ‡Confidence intervals