

Appendix B: Percentage difference in coefficient estimates between estimators^{#*}

		Tobit V OLS	FLOGIT v OLS	FLOGIT v Tobit
BMI	18.5 kg/m ² to <25 kg/m ²	Ref	Ref	Ref
	<18.5 kg/m ²	4474.57	1898.76	56.31
	25 kg/m ² to <30 kg/m ²	58.91	3.79	34.69
	30 kg/m ² to <40 kg/m ²	5.11	41.06	43.93
	40+ kg/m ²	20.97	59.93	49.30
	Missing	22.25	54.39	41.34
Alcohol intake	Never Drinker	Ref	Ref	Ref
	<=4/day (men) or <=3/day (women)	17.93	54.21	44.20
	>4 and <=8(men) or >3 and <=6(women)	22.03	42.86	26.72
	>8/day (men) or >6/day (women)	23.83	42.50	24.51
	Ex-Drinker	42.09	71.45	50.69
	Missing	22.88	13.64	47.36
Smoking	Never Smoker	Ref	Ref	Ref
	Light <10/day	13.27	37.80	45.09
	Moderate 10 to <20/day	10.98	40.00	45.94
	Heavy 20+/day	7.63	52.66	48.75
	Ex-Smoker	1.12	43.15	43.78
	Missing	4.97	18.15	12.55
Fruit and Vegetable intake:	5 or more portions/day	Ref	Ref	Ref
	3 to <5 portions/day	10.40	37.17	29.87
	1 to <3 portions/day	14.54	29.08	17.02
	<1 portions/day	6.12	63.72	61.36
Physical activity	5 moderate 30min episodes a week	Ref	Ref	Ref
	3 vigorous 30min & 5 mod 30 min a week	113.58	145.95	238.36
	3 vigorous 30min episodes a week	2470.58	1956.87	21.67
	Active not meeting recommended levels	15.64	21.80	32.38
	Inactive	30.87	59.10	40.84
	Missing	30.33	41.87	16.56
Sex	Male	Ref	Ref	Ref
	Female	24.34	41.82	53.21
Age	16-24	Ref	Ref	Ref
	25-34	3.41	19.04	21.71
	35-44	15.40	19.02	29.83
	45-54	9.17	27.88	33.94
	55-64	3.49	33.14	35.40
	65-74	5.75	38.00	41.37
	75+	7.81	42.40	46.57
Ethnic Origin	White	Ref	Ref	Ref
	Mixed	256.78	92.80	104.59
	Indian	51.81	74.14	46.33
	Pakistani	12.46	45.17	37.36
	Black Caribbean	193.59	38.90	165.28
	Black African	29.64	52.44	32.41
	Other	99.07	43.71	27.81
Marital status	Single	Ref	Ref	Ref
	Married/Civil partnerships	10.65	31.93	38.48
	Separated	26.51	60.62	46.41
	Divorced	35.36	70.80	54.83
	Widowed	78.37	90.81	57.54
	Cohabitees	8.58	58.53	54.64
Social class	I	Ref	Ref	Ref
	II	24.45	2.61	17.55
	IIN	43.44	5.26	33.95
	IIIM	17.31	25.72	36.68
	IV	6.21	29.84	33.94
	V	22.30	17.68	32.69
	Armed forces	18.94	30.29	41.39
	Missing	0.58	26.01	25.58
Highest Educational qualification	NVQ4/NVQ5/Degree or equivalent	Ref	Ref	Ref
	Higher education below degree	18.71	15.60	28.90
	NVQ3/GCE A Level equivalent	80.75	38.75	23.24
	NVQ2/GCE O Level equivalent	83.51	55.35	15.34
	NVQ1/CSE other grade equivalent	5.36	14.17	20.63
	Foreign/other	113.70	145.14	229.61
	No qualification	23.90	53.17	38.46
Equalised Income	Highest Quintile	Ref	Ref	Ref
	2 nd Highest Quintile	47.03	3.96	34.68
	Middle Quintile	17.47	3.97	18.25
	2 nd Lowest Quintile	1.44	31.13	30.12
	Lowest Quintile	7.55	43.87	39.28
	Missing	21.11	13.79	28.82

#Only percentage difference in each regression coefficient derived from each estimator comparable.

*Two Part Model omitted as coefficients not directly comparable to OLS, Tobit or FLOGIT models.

OLS: Ordinary Least Squares

FLOGIT: Fractional logit