

Supplementary Table 1 Dietary Energy Density (DED) (kJ/g) inc. solids in beverages estimates of the Irish population, aged 5-90 years by age and sex (n=2535), including and excluding under-reporters for energy intake

Sex	Age group	DED total population (kJ/g)				DED excl. under-reporters (kJ/g)			
		<i>n</i>	Mean	Median	SD	<i>n</i>	Mean	Median	SD
Males	5-90	1257	8.75	8.76	1.77	795	8.87	8.87	1.72
	5-6	72	9.15 ^a	9.08	1.29	53	9.12 ^a	9.06	1.21
	7-10	146	9.42 ^{ab}	9.20	1.78	105	9.38 ^a	9.19	1.67
	11-14	170	9.42 ^{ab}	9.41	1.63	65	9.81 ^a	9.68	1.74
	15-18	146	9.43 ^{ab}	9.50	1.53	64	9.40 ^a	9.53	1.58
	19-50	464	8.71 ^{ac}	8.74	1.71	335	9.01 ^a	9.14	1.60
	51-59	106	7.89 ^d	7.80	1.32	68	8.03 ^b	7.87	1.26
	60-64	47	7.47 ^d	7.63	1.51	30	7.70 ^b	7.83	1.49
	65-74	72	7.26 ^d	7.06	1.76	50	7.49 ^b	7.23	1.86
≥75	34	6.95 ^d	6.66	1.43	25	6.89 ^b	6.65	1.32	
Females	5-90	1278	8.07 [*]	8.17	1.93	816	8.16 [*]	8.22	1.90
	5-6	76	8.96 ^a	8.86	1.35	66	9.03 ^a	8.86	1.36
	7-10	152	9.13 ^a	9.16	1.39	106	9.15 ^a	9.18	1.34
	11-14	166	9.14 ^a	9.02	1.27	75	9.16 ^{a*}	9.06	1.32
	15-18	133	9.00 ^{a*}	8.97	1.59	46	9.56 ^a	9.65	1.48
	19-50	478	7.95 ^{b*}	7.91	1.89	330	8.23 ^{b*}	8.20	1.77
	51-59	101	6.58 ^{c*}	6.37	1.63	69	6.82 ^{c*}	7.02	1.66
	60-64	52	5.94 ^{c*}	5.85	1.50	37	6.15 ^{c*}	6.21	1.63
	65-74	77	6.24 ^{c*}	6.25	1.58	51	6.20 ^{c*}	6.25	1.58
≥75	43	6.44 ^c	6.43	1.51	36	6.60 ^c	6.49	1.43	

*Significantly different from males at p<0.001

^{abcd} denote significant difference between age groups within sex

Difference in DED by age group and sex determined by two-way between-groups analysis of variance