

Table 3a: Correlations of true and reported intakes and attenuation factors for reported intakes stratified by **age** group; standard errors in parentheses; OPEN Study

Food Variable	Instrument	Age Group	Men n = 151 (< 55) and 110 (≥ 55)		Women n = 129 (< 55) and 94 (≥ 55)	
			Correlation with Truth	Attenuation Factor	Correlation with Truth	Attenuation Factor
Total Sugars Intake (g/day)	DHQ	< 55	0.596 (0.083)	0.345 (0.080)	0.181 (0.087)	0.176 (0.088)
		≥ 55	0.230 (0.107)	0.170 (0.083)	0.123 (0.097)	0.137 (0.109)
		Diff	0.366 (0.135)	0.175 (0.115)	0.058 (0.130)	0.039 (0.140)
		p-value	0.007	0.129	0.656	0.781
	Single 24HR	< 55	0.673 (0.072)	0.344 (0.073)	0.244 (0.095)	0.206 (0.084)
		≥ 55	0.263 (0.116)	0.194 (0.090)	0.143 (0.102)	0.160 (0.117)
Diff		0.410 (0.137)	0.150 (0.116)	0.101 (0.139)	0.046 (0.144)	
	p-value	0.003	0.196	0.469	0.749	
Total Sugars Density (g/1000 kcal)	DHQ	< 55	0.607 (0.124)	0.375 (0.119)	0.265 (0.117)	0.351 (0.162)
		≥ 55	0.305 (0.142)	0.298 (0.150)	0.170 (0.133)	0.260 (0.206)
		Diff	0.302 (0.189)	0.077 (0.191)	0.095 (0.177)	0.091 (0.262)
		p-value	0.109	0.688	0.592	0.728
	Single 24HR	< 55	0.625 (0.102)	0.296 (0.087)	0.260 (0.111)	0.242 (0.110)
		≥ 55	0.289 (0.131)	0.235 (0.116)	0.160 (0.115)	0.201 (0.148)
Diff		0.336 (0.166)	0.061 (0.145)	0.100 (0.160)	0.041 (0.184)	
	p-value	0.043	0.674	0.532	0.824	
LRT for stratified vs. unstratified model:			$\chi^2 = 61.8$, d.f. = 45, p-value = 0.049		$\chi^2 = 47.2$, d.f. = 45, p-value = 0.384	

Table 3b: Correlations of true and reported intakes and attenuation factors for reported intakes stratified by **BMI** group; standard errors in parentheses; OPEN Study

Food Variable	Instrument	BMI Group	Men n = 105 (< 26.5) and 156 (≥ 26.5)		Women n = 116 (< 26.5) and 107 (≥ 26.5)	
			Correlation with Truth	Attenuation Factor	Correlation with Truth	Attenuation Factor
Total Sugars Intake (g/day)	DHQ	< 26.5	0.467 (0.111)	0.255 (0.084)	0.251 (0.091)	0.220 (0.084)
		≥ 26.5	0.405 (0.091)	0.293 (0.077)	0.079 (0.092)	0.097 (0.114)
		Diff	0.062 (0.144)	-0.038 (0.114)	0.172 (0.129)	0.123 (0.142)
		p-value	0.666	0.739	0.184	0.385
	Single 24HR	< 26.5	0.657 (0.099)	0.349 (0.095)	0.320 (0.096)	0.282 (0.093)
		≥ 26.5	0.411 (0.088)	0.264 (0.069)	0.093 (0.099)	0.095 (0.102)
		Diff	0.246 (0.132)	0.085 (0.117)	0.227 (0.138)	0.187 (0.138)
		p-value	0.063	0.469	0.100	0.176
Total Sugars Density (g/1000 kcal)	DHQ	< 26.5	0.499 (0.156)	0.304 (0.135)	0.362 (0.126)	0.445 (0.168)
		≥ 26.5	0.488 (0.113)	0.425 (0.124)	0.108 (0.124)	0.179 (0.206)
		Diff	0.011 (0.193)	-0.121 (0.183)	0.254 (0.177)	0.266 (0.266)
		p-value	0.954	0.509	0.151	0.317
	Single 24HR	< 26.5	0.578 (0.134)	0.269 (0.107)	0.323 (0.108)	0.296 (0.111)
		≥ 26.5	0.445 (0.103)	0.310 (0.090)	0.110 (0.119)	0.135 (0.147)
		Diff	0.133 (0.169)	-0.041 (0.140)	0.213 (0.161)	0.161 (0.184)
		p-value	0.431	0.769	0.185	0.382
LRT for stratified vs. unstratified model:			$\chi^2 = 61.6$, d.f. = 45, p-value = 0.051		$\chi^2 = 38.8$, d.f. = 45, p-value = 0.759	

Table 3c: Correlations of true and reported intakes and attenuation factors for reported intakes stratified by **smoking status**; standard errors in parentheses; OPEN Study

Food Variable	Instrument	Smoke	Men n = 150 (never) and 111 (ever)		Women n = 132 (never) and 89 (ever)	
			Correlation with Truth	Attenuation Factor	Correlation with Truth	Attenuation Factor
Total Sugars Intake (g/day)	DHQ	Never	0.488 (0.110)	0.202 (0.063)	0.318 (0.102)	0.218 (0.077)
		Ever	0.430 (0.095)	0.388 (0.106)	0.128 (0.098)	0.153 (0.119)
		Diff	0.058 (0.145)	-0.186 (0.123)	0.190 (0.141)	0.065 (0.142)
		p-value	0.690	0.131	0.179	0.647
	Single 24HR	Never	0.566 (0.108)	0.222 (0.064)	0.337 (0.101)	0.201(0.071)
		Ever	0.485 (0.090)	0.395 (0.099)	0.187 (0.103)	0.218 (0.123)
Total Sugars Density (g/1000 kcal)	DHQ	Never	0.604 (0.160)	0.303 (0.119)	0.426 (0.127)	0.365 (0.145)
		Ever	0.464 (0.112)	0.464 (0.146)	0.179 (0.130)	0.281 (0.205)
		Diff	0.140 (0.195)	-0.161 (0.188)	0.247 (0.182)	0.084 (0.251)
		p-value	0.473	0.393	0.174	0.738
	Single 24HR	Never	0.560 (0.136)	0.212 (0.082)	0.341 (0.117)	0.204 (0.096)
		Ever	0.482 (0.101)	0.395 (0.117)	0.200 (0.113)	0.250 (0.145)
LRT for stratified vs. unstratified model:			$\chi^2 = 62.2$, d.f. = 45, p-value = 0.045		$\chi^2 = 52.2$, d.f. = 45, p-value = 0.214	

Table 3d: Correlations of true and reported intakes and attenuation factors for reported intakes stratified by DHQ-reported **alcohol intake**; standard errors in parentheses; OPEN Study

Food Variable	Instrument	Men n = 141 (< 5) and 119 (≥ 5)			Women n = 143 (< 2) and 79 (≥ 2)		
		Alcohol (g/day)	Correlation with Truth	Attenuation Factor	Alcohol (g/day)	Correlation with Truth	Attenuation Factor
Total Sugars Intake (g/day)	DHQ	< 5	0.393 (0.095)	0.251 (0.073)	< 2	0.096 (0.079)	0.090 (0.075)
		≥ 5	0.330 (0.107)	0.216 (0.089)	≥ 2	0.239 (0.108)	0.293 (0.139)
		Diff	0.063 (0.143)	0.035 (0.115)	Diff	-0.143 (0.134)	-0.203 (0.158)
		p-value	0.660	0.761	p-value	0.285	0.199
	Single 24HR	< 5	0.462 (0.091)	0.270 (0.068)	< 2	0.142 (0.094)	0.127 (0.086)
		≥ 5	0.504 (0.095)	0.305 (0.097)	≥ 2	0.231 (0.106)	0.241 (0.116)
Diff		-0.042 (0.132)	-0.035 (0.118)	Diff	-0.089 (0.142)	-0.114 (0.144)	
	p-value	0.750	0.768	p-value	0.530	0.430	
Total Sugars Density (g/1000 kcal)	DHQ	< 5	0.506 (0.121)	0.405 (0.127)	< 2	0.141 (0.117)	0.201 (0.169)
		≥ 5	0.282 (0.132)	0.183 (0.113)	≥ 2	0.313 (0.126)	0.468 (0.200)
		Diff	0.224 (0.179)	0.223 (0.170)	Diff	-0.172 (0.172)	-0.267 (0.262)
		p-value	0.211	0.190	p-value	0.317	0.308
	Single 24HR	< 5	0.500 (0.107)	0.310 (0.091)	< 2	0.168 (0.111)	0.177 (0.120)
		≥ 5	0.377 (0.130)	0.199 (0.105)	≥ 2	0.230 (0.116)	0.254 (0.136)
Diff		0.123 (0.168)	0.111 (0.139)	Diff	-0.062 (0.161)	-0.077 (0.181)	
	p-value	0.465	0.424	p-value	0.699	0.671	
LRT for stratified vs. unstratified model:		$\chi^2 = 82.4$, d.f. = 45, p-value = 0.001			$\chi^2 = 70.2$, d.f. = 45, p-value = 0.010		