National Adult Nutrition Survey II



Main Report

Irish Universities Nutrition Alliance (IUNA)



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Background

This report describes the methods and main findings on food and beverage consumption, nutrient intakes, anthropometric measurements and physical activity levels from the National Adult Nutrition Survey II (NANS II). The NANS II was a cross-sectional survey designed to assess the food and nutrient intakes in a nationally representative sample of adults aged 19 years and over in the Republic of Ireland.

The electronic database compiled from the survey represents a valuable resource and is suitable for a wide range of applications related to food safety and nutrition. These include assessment of exposure to chemical and biological hazards in foods, development and implementation of food and nutrition policy and food product development and promotion.

The NANS II was carried out by the Irish Universities Nutrition Alliance (IUNA), a formal alliance of the nutrition centres at academic institutions in Ireland including Munster Technological University, University College Cork, University College Dublin and Technological University Dublin, which is committed to joint initiatives in research and teaching. The survey was carried out by the following teams:

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The NANS II was funded by the Irish Department of Agriculture, Food and the Marine (DAFM) under the 2019 Food Institutional Research Measure (FIRM) awards.

National Adult Nutrition Survey II (NANS II) Methodology

Ethical approval

The NANS II was conducted according to the guidelines laid down in the Declaration of Helsinki and ethical approval was obtained from the Clinical Research Ethics Committee of the Cork Teaching Hospitals and the Human Ethics Research Committee of University College Dublin (Ref: ECM 4 (e) 10/11/20 & ECM 3 (f) 12/01/21).

Sampling

The NANS II was a cross-sectional survey that was carried out between April 2021 and August 2022 by the nutrition units in Munster Technological University, University College Cork, University College Dublin and Dublin Technological University. The NANS II was designed to assess food and nutrient intakes in a nationally representative sample of adults aged 19 years and over in the Republic of Ireland (n 1000).

Participant recruitment

A sample of adults was randomly selected from a database of addresses obtained from An Post Geodirectory DAC. Addresses were randomly selected from pre-determined clusters across the Republic of Ireland to provide a demographically balanced sample with respect to urban/rural divide and socio-economic grouping. An introductory pack with information regarding the survey was sent to all selected addresses with households invited to opt-in to the survey. Where a household opted-in, a hierarchical method for random selection of participants (by sex and age-group) was used to screen for eligible participants in the household to prevent sampling bias.

If the selected individual in the household opted in, a suitable time was arranged for the researcher to call to their house to drop off materials required for the study. Written informed consent was collected from all participants before they commenced the study.

The final response rate for the survey was 61%. Demographic analysis of the sample has shown it to be representative of adults in Ireland with respect to sex, age group and geographical location when compared to Census 2022 data (Central Statistics Office, 2022). However, the final sample contained a higher proportion of professional workers and a lower proportion of semi-skilled and unskilled workers than the national population and data in this report have been weighted to account for these differences.

Food intake data collection

Food and beverage intake data were collected via two independent 24-hour telephone dietary recalls (at least 7 days apart) which each day of the week accounted for in the sampling plan. To assist with the dietary recall, older participants (\geq 65 years) were asked to record their foods the day before the recall. A photographic food atlas was provided to each participant before their scheduled dietary recall and the researcher directed the participant to use the food atlas as required during the recall to aid in the quantification of all foods and beverages consumed.

Participants were asked to provide detailed information (at brand level) on the types of foods and beverages consumed including details on cooking methods, the packaging size and type and details of recipes. Data were also collected on the time of each eating or drinking occasion, definition of the eating or drinking occasion and the location of preparation and eating of the meal/snack etc. Participants were encouraged to keep the packaging labels for all foods, beverages and food supplements to facilitate quantification and coding of foods.

Food quantification

As referred to above, a photographic food atlas was provided to participants in advance of their dietary recall and all participants were encouraged to keep the packaging labels for all foods, beverages and food supplements to aid in the quantification of foods and beverages consumed. Foods, beverages and food supplements were quantified in the NANS II as follows:

- Food atlas a photographic food atlas was used to quantify 55% of foods and beverages consumed (Foster et al., 2010).
- (2) Manufacturers' weights manufacturers weights obtained from the packaging labels of foods, beverages and food supplements consumed by participants during the two dietary recalls were used to quantify 20% of foods and beverages consumed.
- (3) Household Measures household measures (e.g. teaspoon, tablespoon, pint) were used to quantify 16% of foods and beverages consumed.
- (4) Food Portion Sizes 'The Irish Food Portion Sizes Database' (Lyons and Giltinan, 2013) and 'Food Portion Sizes' (Ministry of Agriculture Fisheries and Food, 1997) were used to quantify 5% of foods and beverages consumed.
- (5) Weighed participant's weighed (using their own food scales) 4% of foods and beverages consumed.
- (6) *Estimated* food quantities were defined as estimated when the researcher made an estimate of the amount likely to have been consumed based on their knowledge of the

participant's eating habits as observed during the two 24-hour dietary recall periods. This quantification method was used for <0.1% of foods and beverages consumed.

Estimation of nutrient intakes

Nutritics[©] software was used to estimate nutrient intakes from food intakes using data from McCance and Widdowson's The Composition of Foods, seventh edition and sixth edition (for a small number of foods) (Food Standards Agency, 2015, Food Standards Agency, 2002). During the survey, modifications were made to include recipes of composite dishes, nutritional supplements, fortified foods and generic Irish foods that were commonly consumed. As 'The Composition of Foods' is not complete for some nutrients (or appropriate for foods available on the Irish market), the food composition database was updated for some nutrients using appropriate methods.

Anthropometric measurements

Anthropometric measurements (height and body weight) were collected by participants in their own home. Detailed instructions on how to take these measurements in a standardised manner were provided to all participants and the participants were asked to perform all measurements twice for quality control purposes. Measurements were recorded to the nearest 0.1 cm for height and 0.1 kg for body weight.

For height, a standard measuring tape was advised, and participants were instructed to remove shoes and to stand on a hard surface with a wall or door behind them, feet were required to be flat on the floor with heels against the corner of where the wall and floor met, while ensuring that the head, shoulders and buttocks were touching the wall and knees not bent. Participants were required to use a flat object such as a book or ruler to identify the position of the top of their head and to lightly mark this position with a pencil. Height was then recorded using a measuring tape, this process was repeated for the duplicate measure.

For body weight, a standard weighing scales was advised, and participants were instructed to dress in light clothing, remove shoes and any items from pockets and to take the measurement after voiding. Participants were advised to place the scales on a flat, level and firm surface and to step on the scales with feet hip distance apart, while placing arms by their sides and standing still. The reading from the scales was recorded, and this process was repeated for the duplicate measure. The researchers provided equipment if participants did not have access to their own.

Defining overweight and obesity

Body mass index (BMI) (kg/m2) was derived from the reported weight in kilograms, divided by height (squared) in metres. The World Health Organisation (WHO) BMI categories were subsequently used to categorise weight status, whereby a BMI of 18.5-24.9 kg/m2 was considered ideal weight, 25.0 - 29.9kg/m2 was considered overweight, and obesity was classified as a BMI ≥30kg/m2 (World Health Organisation, 2010)

Urine Collection

Participants were asked to provide a once off first void morning urine sample (~30ml) during the survey period. Participants were provided with a sterile collection container to collect the urine sample and an ice pack and a thermal cooler bag to keep the sample chilled. Once collected by the researcher, the urine sample was stored appropriately on dry ice and transported to MTU or UCD for storage at -20°C. Urine samples were collected from 99.7% (*n* 997) of participants for the analysis of markers of nutritional status.

Blood Collection

Participants were asked to provide a dried blood spot sample, fasting where possible. Willing participants were provided with a dried blood spot collection pack which included an information sheet, instructions and the required materials to take the sample and store appropriately until collection by the researcher. Once collected by the researcher, the dried blood spot sample was stored appropriately on dry ice and transported to MTU or UCD for storage at -20°C. A blood collection form was completed in which the following was recorded: date and time of blood collection, fasting status and any irregularities during the sample provision. Dried blood spot samples were collected from 66.9% (*n* 669) of participants to assess the nutritional status of adults in Ireland with respect to vitamin D, folate and iron.

Questionnaires

Participants in the NANS II completed four questionnaires including:

Food Propensity Questionnaire (FPQ): This questionnaire collected information on the frequency of consumption of certain foods/food groups by participants over the last year (12 months). This questionnaire was developed based on the protocol for application of the FPQ recommended by EFSA (EFSA, 2014) and modified and updated to include foods relevant to the population of Ireland.

Health & Lifestyle Questionnaire: This questionnaire collected information on participants' general health and lifestyle characteristics including medicine usage, dental health, allergy information, nutritional supplement usage (over the last 12 months) and participants perceptions of their diet and weight status. Information was also collected on education level

and socio-demographics. The socio-demographic level of the participant was defined using that of the highest category from both the participant and their partner (where applicable).

Physical Activity Questionnaire: The validated EPIC Physical Activity Questionnaire (EPAQ2) was used to estimate levels of physical activity for adults of all ages (Wareham et al., 2002). The frequency and intensity of all relevant activities captured in the questionnaire were quantified by assigning the appropriate metabolic equivalent of task (MET) value to each activity. The MET is a physiological measure expressing the intensity of physical activities, whereby one MET is the energy equivalent expended by an individual while seated at rest. Each activity was assigned a MET, which is an expression of the amount of energy expended during an activity multiplied by hours per week. The relevant MET values assigned to activities in NANS II were derived from the 2011 Compendium of Physical Activities (Wareham et al., 2002). Estimates of energy expenditure at home, work and during recreational activities from the questionnaire were calculated by multiplying participation within these domains (hours per week) by the metabolic cost of each activity, expressed in metabolic equivalents (MET).

Food Choice & Eating Behaviour Questionnaire: Validated questionnaires including the Food Choice Questionnaire (Steptoe et al., 1995), Food Neophobia Scale (Pliner & Hobden, 1992) and the Self-Reported Habit Index (Verplanken & Orbell, 2003) were used to evaluate the determinants of food choice and eating behaviour. Questions were also included from other published instruments to collect information on perceived self-control and social influences on food control, food pleasure, food purchasing motives, measures of attitudes towards sustainable food choices, general healthy eating interest and intention to change diet (Clark et al., 1991, Roininen et al., 1999, Sautron et al., 2015, Sparks & Guthrie, 1998, Gericke et al., 2019)

Evaluation Questionnaire: The researcher administered this at the end of both 24-hour dietary recalls. This identified whether the participant's eating habits had been the same as usual on the recall days.

A coding manual was developed for the questionnaires and all coded questionnaires were entered (in duplicate) into the customised DaSurvey software package (Dazult Ltd, Co. Kildare, Republic of Ireland). DaSurvey uses a rules-based validation process permitting answers from the coding manual only.

Quality control

A number of quality procedures were put in place to minimise error and ensure consistency throughout the collection and manipulation of the data. Researchers received training that included role-play workshops prior to commencing fieldwork, where they were trained to take a natural and friendly approach to fieldwork and to avoid prompting foods. This was carried out in an attempt to make participants feel at ease and so to ensure that the most reliable data possible could be obtained. It was stressed to participants that they should not try to change or 'improve' their diet during the survey period. At the end of both dietary recalls, participants were asked whether their food intake had been the same as usual, less than usual or more than usual and to explain why this might have been. They were also asked if there were any items consumed during the two recall days which they had not yet mentioned. If so, details on such items were then recorded by the researcher.

Each researcher was primarily responsible for the collection, quantification, coding and data entry of their own participants' dietary recalls. Energy under reporters (49%) were identified by evaluating reported energy intake (as a ratio of energy intake to basal metabolic rate (BMR) (EI:BMR)) against presumed age-specific energy cut offs calculated on the basis of reported levels of physical activity (Goldberg et al., 1991, Black, 2000). Energy under reporting was taken into account during certain analyses (e.g. in estimating the prevalence of inadequate micronutrient intakes).

Databases

The food intake database for NANS II comprises 49905 rows of data that relate to each food and beverage item consumed by each of the participants at every eating occasion on the two recall days. For each item consumed, the database contains information on the day of the week, meal number in the day, name of the eating occasion (e.g. breakfast, snack), time and location of consumption, weight of the food or beverage consumed, brand information, packaging type and size and a comprehensive nutrient breakdown for the quantity of food consumed.

Statistical analysis

Data manipulation was conducted using SPSS[©] Version 28 for WindowsTM (SPSS Inc. Chicago, IL, USA).

Usual intakes of foods from the 24-hour recalls were estimated using the validated National Cancer Institute (NCI-Method) (Tooze et al., 2006) using SAS Enterprise Guide[©] (SAS Institute Inc. Cary, NC, USA). Participants also completed a food propensity questionnaire to capture information on their frequency of consumption of food groups and these data were included in the NCI-method for food group intakes in the total population as appropriate. For consumers only, (proportion of consumers and amounts) these data were calculated based on intakes over the two recall days using SPSS[©]. Food group intakes are described using the mean,

median, standard deviation and the 5th and 95th percentiles of intake for the total population and split by sex and age groups (19-64y and \geq 19y).

Usual intakes of nutrients from all dietary sources (including nutritional supplements) and from food sources only (excluding nutritional supplements) were estimated using the validated National Cancer Institute (NCI-Method) (Tooze et al., 2006) using SAS Enterprise Guide[©] (SAS Institute Inc. Cary, NC, USA). Nutrient intakes are described using the mean, median, standard deviation and the 5th, 95th and 97.5th percentiles of intake for the total population and split by sex and age groups (19-64y and \geq 65y).

Anthropometric measurements and BMI are described using the mean, median, standard deviation and the 5th and 95th percentiles for the total population and split by sex and age groups (19-64y and \geq 65y).

Physical activity levels are described in median amount of time (hours per week) spent participating in physical activities (moderate and vigorous), sedentary activities (of which includes recreational screen time) and the median energy expenditure by domain (home, occupational and recreational) for the total population and split by sex and age groups (19-64y and $\geq 65y$).

Bibliography

- Black, A. E. (2000). Critical evaluation of energy intake using the Goldberg cut-off for energy intake:basal metabolic rate. A practical guide to its calculation, use and limitations. International Journal of Obesity, 24(9) 1119-1130.
- Central Statistics Office (2022) Census of Population 2022. Dublin, Ireland: Central Statistics Office.
- Clark, M. M., Abrams, D. B., Niaura, R. S., Eaton, C. A. & Rossi, J. (1991) Self-efficacy in weight management. Journal of Consulting and Clinical Psychology, 59(5) 739–744.
- European Food Safety Authority (EFSA) (2014) Guidance on the EU Menu methodology. EFSA Journal, 12(12) 3944.
- Food Standards Agency (2002) McCance and Widdowson's The Composition of Foods, 6th ed, Cambridge: Royal Society of Chemistry.
- Food Standards Agency (2015) McCance and Widdowson's The Composition of Foods, 7th ed, Cambridge: Royal Society of Chemistry.
- Foster, E., Hawkins, A. & Adamson, A. (2010) Young Person's Food Atlas: Secondary School, London, Food Standards Agency.
- Gericke, N., Boeve-de Pauw, J., Berglund, T. & Olsson, D. (2019) The Sustainability Consciousness Questionnaire: The theoretical development and empirical validation of an evaluation instrument for stakeholders working with sustainable development. Sustainable Development, 27(1) 35-49.
- Goldberg, G., Black, A., Jebb, S., Cole, T., Murgatroyd, P., Coward, W. & Prentice, A. (1991).
 Critical evaluation of energy intake data using fundamental principles of energy physiology: 1. Derivation of cut-off limits to identify under-recording. European Journal of Clinical Nutrition, 45(12) 569-581.

- Lyons, J. & Giltinan, M. (2013) The Irish Food Portion Sizes Database, First Edition, www.iuna.net.
- Ministry of Agriculture Fisheries and Food. (1997) Food Portion Sizes, London, The Stationary Office.
- Pliner, P. & Hobden, K. (1992) Development of a scale to measure the trait of food neophobia in humans. Appetite, 1992 19(2) 105-20.
- Roininen, K., Lähteenmäki, L. & Tuorila, H. (1999) Quantification of consumer attitudes to health and hedonic characteristics of foods. Appetite, 33(1) 71-88.
- Sautron, V., Péneau, S., Camilleri, G. M., Muller, L., Ruffieux, B., Hercberg, S. & Méjean, C.(2015) Validity of a questionnaire measuring motives for choosing foods including sustainable concerns. Appetite, 87 90-7.
- Sparks, P., & Guthrie, C. A. (1998). Self-identity and the theory of planned behavior: A useful addition or an unhelpful artifice? Journal of Applied Social Psychology, 28(15) 1393– 1410.
- Steptoe, A., Pollard, T.M. & Wardle, J. (1995) Development of a measure of the motives underlying the selection of food: the food choice questionnaire. Appetite, 25(3) 267-84.
- Tooze, J. A., Midthune, D., Dodd, K. W., Freedman, L. S., Krebs-Smith, S. M., Subar, A. F., Guenther, P. M., Carroll, R. J. & Kipnis, V. (2006). A New Statistical Method for Estimating the Usual Intake of Episodically Consumed Foods with Application to Their Distribution. Journal of the American Dietetic Association, 106(10) 1575-1587.
- Verplanken, B. & Orbell, S. (2003) Reflections on Past Behavior: A Self-Report Index of Habit Strength. Journal of Applied Social Psychology, 33(6) 1313-1330.

- Wareham, N. J., Jakes, R. W., Rennie, K. L., Mitchell, J., Hennings, S., Day, N. E. (2002) Validity and repeatability of the EPIC-Norfolk Physical Activity Questionnaire International Journal of Epidemiology, 31(1) 168-74.
- World Health Organisation (WHO). 2010. A healthy lifestyle WHO recommendations [Online]. Geneva: Switzerland. Available: https://www.who.int/europe/newsroom/fact-sheets/item/a-healthy-lifestyle---who-recommendations.

Table 2.1 Number of participants in the survey by sex and age group (n & (%))

	Total ≥19y	19-64y	≥65y
Males	489 (49)	347 (48)	142 (48)
Females	511 (51)	371 (52)	140 (52)
n	1000	718	282

Table 2.2 Number of participants in the survey by season for the total populat	ion and by sex and age
group (n & (%))	

	Total ≥19y	19-64y	≥65y
Total population			
Winter (September - February)	357 (36)	257 (36)	100 (35)
Summer (March - August)	643 (64)	461 (64)	182 (65)
n	1000	718	282
Males			
Winter (September - February)	177 (36)	125 (36)	52 (37)
Summer (March - August)	312 (64)	222 (64)	90 (63)
n	489	347	142
Females			
Winter (September - February)	180 (35)	132 (36)	48 (34)
Summer (March - August)	331 (65)	239 (64)	92 (66)
n	511	371	140

Table 2.3 Number of participants in the survey by geographical location for the total population and by sex and age group (n & (%))

	Total ≥19y	19-64y	≥65y
Total population			
Open country/village	306 (31)	212 (30)	94 (33)
Small town	364 (36)	235 (33)	129 (46)
Large town	52 (5)	38 (5)	14 (5)
City	278 (28)	233 (32)	45 (16)
n	1000	718	282
Males			
Open country/village	153 (31)	109 (31)	44 (31)
Small town	185 (38)	117 (34)	68 (48)
Large town	20 (4)	13 (4)	7 (5)
City	131 (27)	108 (31)	23 (16)
n	489	347	142
Females			
Open country/village	153 (30)	103 (28)	50 (36)
Small town	179 (35)	118 (32)	61 (44)
Large town	32 (6)	25 (7)	7 (5)
City	147 (29)	125 (34)	22 (16)
n	511	371	140

Ta	ble 2.4 Number of participants in the survey by soc	ial class and socio-economic	group for the total
po	bulation and by sex and age group $(n \& (\%))$		
			2 -

population and by sex and age group	Total ≥19y	19-64y	≥65y
Total population			
Social class			
Professional workers	644 (66)	475 (68)	169 (62)
Non-manual workers	138 (14)	91 (13)	47 (17)
Skilled manual workers	95 (10)	58 (8)	37 (14)
Semi-skilled/unskilled workers	100 (10)	79 (11)	21 (8)
Socio-economic group			
Employers and managers	220 (23)	164 (23)	56 (20)
Higher professional	207 (21)	163 (23)	44 (16)
Lower professional	221 (23)	150 (21)	71 (26)
Non-manual	159 (16)	107 (15)	52 (19)
Manual skilled	49 (5)	29 (4)	20 (7)
Semi-skilled	50 (5)	36 (5)	14 (5)
Unskilled	7(1)	5(1)	2(1)
Own account workers	32 (3)	20 (3)	12 (4)
Farmers	4(<1)	1 (<1)	3(1)
Students	28 (3)	28 (4)	0 (0)
n	977	703	274
Males			
Social class			
Professional workers	327 (68)	237 (69)	90 (64)
Non-manual workers	50 (10)	33 (10)	17 (12)
Skilled manual workers	55 (11)	33 (10)	22 (16)
Semi-skilled/unskilled workers	52 (11)	40 (12)	12 (9)
Socio-economic group			
Employers and managers	121 (25)	88 (26)	33 (23)
Higher professional	122 (25)	97 (28)	25 (18)
Lower professional	88 (18)	56 (16)	32 (23)
Non-manual	57 (12)	37 (11)	20(14)
Manual skilled Semi-skilled	31 (6)	18 (5)	13 (9)
Unskilled	25 (5) 5 (1)	18 (5) 4 (1)	7 (5) 1 (1)
Own account workers	18 (4)	9 (3)	9 (6)
Farmers	2 (<1)	1 (<1)	1(1)
Students	15 (3)	15 (4)	0(0)
п	484	343	141
Females Social class			
Professional workers	317 (64)	238 (66)	79 (59)
Non-manual workers	88 (18)	58 (16)	30 (23)
Skilled manual workers	40 (8)	25 (7)	15 (11)
Semi-skilled/unskilled workers	48 (10)	39 (11)	9 (7)
Socio-economic group			
Employers and managers	99 (20)	76 (21)	23 (17)
Higher professional	85 (17)	66 (18)	19 (14)
Lower professional	133 (27)	94 (26)	39 (29)
Non-manual	102 (21)	70 (19)	32 (24)
Manual skilled	18 (4)	11 (3)	7 (5)
Semi-skilled	25 (5)	18 (5)	7 (5)
Unskilled	2 (<1)	1 (<1)	1 (1)
Own account workers	14 (3)	11 (3)	3 (2)
Farmers	2 (<1)	0(0)	2 (2)
Students	13 (3)	13 (4)	0 (0)
n	493	360	133

*Excludes 23 participants whose occupation was unknown or insufficiently described

Note: SC & SEG level relates to that of the highest between the participant and their partner (where applicable)

Table 2.5 Number of participants in the survey by education level for the total population and	ļ
by sex and age group $(n \& (\%))$	

	Total ≥19y	19-64y	≥65y
Total population			
Primary and intermediate	170 (17)	90 (13)	80 (28)
Secondary	135 (14)	95 (13)	40 (14)
Tertiary	693 (69)	532 (74)	161 (57)
n	998	717	281
Males			
Primary and intermediate	101 (21)	50 (14)	51 (36)
Secondary	68 (14)	52 (15)	16 (11)
Tertiary	320 (65)	245 (71)	75 (53)
n	489	347	142
Females			
Primary and intermediate	69 (14)	40 (11)	29 (21)
Secondary	67 (13)	43 (12)	24 (17)
Tertiary	373 (73)	287 (78)	86 (62)
п	509	370	139

*Excludes 2 participants whose education was unknown or insufficiently described

Note: Education level relates to that of the highest between the participant and their partner (where applicable)

	Total population 19-64y (n 718)					
Food groups		<u> </u>		Percentiles		
	Mean	SD	Median	5th	95th	
Total bread	88	68	73	9	218	
of which						
White bread	42	30	36	6	99	
Wholemeal & brown bread	36	31	29	1	94	
Other breads (e.g. garlic/fruit bread, scones)	10	18	3	0	46	
Breakfast cereals	61	92	36	6	192	
of which	01	<u> </u>	50	Ū	172	
Ready-to-eat breakfast cereals (RTEBC)	13	17	6	0	49	
High-fibre RTEBC (≥6g/100g)	10	17	2	0	45	
Low-fibre RTEBC (<6g/100g)	3	2	3	1	7	
Porridge & hot oats cereals (made up)	48	86	24	4	165	
Pasta, rice & savouries	75	50	62	20	172	
of which	75	50	02	20	172	
Rice, pasta, flours, grains & starch	37	29	29	7	92	
Savouries including pasta & rice dishes	38	26	31	10	87	
Potatoes & potato products of which	83	57	67	23	196	
Boiled, baked & mashed potatoes	48	40	36	6	128	
Chipped, fried & roasted potatoes	21	16	17	4	54	
Processed & homemade potato products	14	2	17	11	18	
Total milk	161	291	41	2	681	
of which	01	1.5.5	10	0	252	
Whole milk	81	155	19	0	352	
Low fat, 1% & skimmed milk	73	138	16	0	320	
Non-dairy alternatives	6	7	4	1	17	
Sweetened milk drinks	8	4	7	3	14	
Yogurts & fromage frais	39	47	18	0	138	
Cheeses	14	9	12	4	32	
Ice creams	5	2	5	3	9	
Creams	2	1	2	1	3	
Dairy desserts (e.g. rice pudding, custard)	4	1	4	3	6	
Spreading fats	8	9	4	1	25	
Total meat	141	70	126	56	273	
of which	111	70	120	20	275	
Meat dishes	49	25	44	17	97	
Processed meat	36	29	28	7	92	
Meat products	22	16	18	5	51	
Bacon & ham	15	15	10	1	45	
Fresh meat	56	22	51	28	98	
Poultry	30	19	25	7	68	
Beef	14	5	13	8	23	
Lamb	6	1	6	5	8	
Pork	5	0	5	5	6	
Meat alternatives including dishes	14	3	14	9	20	
Fish & fish dishes	28	23	22	4	73	
Eggs & egg dishes	28	24	21	4	77	
Nuts & seeds	6	12	2	0	28	

Table 3.1 Mean, SD, median and percentile values of food group intakes (g/d) in the total population (including non-consumers) (19-64y)

	Total population 19-64y (n 718)					
Food groups			_	Perce	entiles	
	Mean	SD	Median	5th	95th	
Total fruit & vegetables	274	247	204	34	754	
Fruit & fruit juices	160	153	117	12	459	
Discrete fruit	122	98	99	10	310	
f which						
Bananas	38	35	25	2	108	
Other fruits	63	49	54	2	155	
Citrus fruits	19	33	4	0	90	
Tinned fruits	2	0	2	1	3	
ruit juice & smoothies	38	71	9	0	183	
otal vegetables	114	103	84	17	309	
Discrete vegetables	96	77	76	17	243	
<i>f which</i> Legumes	14	16	9	1	44	
Green vegetables	14	10	11	1	43	
Carrots	8	7	6	1	43 21	
Salad vegetables	27	21	22	4	69	
Other vegetables	30	26	22	3	79	
	2		23	1	3	
Pickled & oily vegetables		1				
egetables & legume dishes	18	33	6	0	74	
Total confectionery/snacks f which	73	56	57	18	181	
Biscuits & crackers	16	17	11	1	49	
Cakes, pastries & buns	16	12	13	3	38	
Desserts	5	1	5	4	7	
Chocolate confectionery	11	11	8	1	33	
Savoury snacks	7	11	3	0	30	
Sugar confectionery	1	0	1	1	2	
Sugars, sweeteners, preserves & spreads	10	11	6	0	32	
Cereal & protein bars	7	2	7	4	11	
Vater as a beverage	1013	712	904	71	2327	
oft drinks*	175	275	60	12	750	
fwhich						
Soft drinks, added sugar	33	29	25	8	87	
Soft drinks, no added sugar	142	267	19	0	707	
eas	376	325	337	2	969	
Coffees	278	231	263	4	692	
/ilk as a beverage	50	28	44	19	102	
weetened milk drinks	8	4	7	3	14	
ruit juice	8	18	3	0	29	
moothies	30	6	29	21	41	
Icoholic beverages	233	356	99	5	906	
Non-alcoholic alternative beverages	27	3	27	23	31	

Table 3.1 continued Mean, SD, median and percentile values of food group intakes (g/d) in the total population (including non-consumers) (19-64y)

*carbonated beverages, energy drinks, fruit juice drinks, squashes & cordials

Food groups $\frac{\%}{Cons}$ MerTotal bread939393of which939393white bread6666Wholemeal & brown bread5366Other breads (e.g. garlic/fruit bread, scones)2144Breakfast cereals6010of which6610Ready-to-eat breakfast cereals (RTEBC)3934High-fibre RTEBC ($\geq 6g/100g$)2933Low-fibre RTEBC ($\geq 6g/100g$)1222Porridge & hot oats cereals (made up)3017Pasta, rice & savouries6513of which6513Rice, pasta, flours, grains & starch4599Savouries including pasta & rice dishes3413Potatoes & potato products6710of which761Boiled, baked & mashed potatoes3999Chipped, fried & roasted potatoes3766Processed & homemade potato products965Total milk4916Low fat, 1% & skimmed milk4315Non-dairy alternatives1111Sweetened milk drinks620Yogurts & fromage frais7010Otherses6222Ice reams1735Ording fats7010Total meat9016Meat grouducts4652Barcon & ham4434Fresh meat5890 <t< th=""><th>in SD</th><th>_</th><th>Perce</th><th>anatel a -</th></t<>	in SD	_	Perce	anatel a -
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Wholemeal & brown bread5365Other breads (e.g. garlic/fruit bread, scones)2144Breakfast cereals6010of which934Ready-to-eat breakfast cereals (RTEBC)3934High-fibre RTEBC ($\geq 6g/100g$)1227Porridge & hot oats cereals (made up)3017Pasta, rice & savouries6513of which845Rice, pasta, flours, grains & starch45Rice, pasta, flours, grains & starch45Boiled, baked & mashed potatoes39Otatoes & potato products67of which9Boiled, baked & mashed potatoes39Processed & homemade potato products9for al milk84Whole milk43Use end milk finks6Vogurts & fromage frais38Oragerts & fromage frais70Cheeses62Careams17Creams6Oragerts (e.g. rice pudding, custard)2Spreading fats70Fresh meat66Meat products41Bacon & ham44AfFresh meat58Poultry41Poultry41Poultry41Poultry41Beef18Treams65	44	57	16	150
Other breads (e.g. garlic/fruit bread, scones)2144Breakfast cereals6010 $f'which$ 3934Ready-to-eat breakfast cereals (RTEBC)3934High-fibre RTEBC ($\geq 6g/100g$)2934Low-fibre RTEBC ($\geq 6g/100g$)1227Porridge & hot oats cereals (made up)3017Pasta, rice & savouries6513 $f'which$ 6513Rice, pasta, flours, grains & starch45Savouries including pasta & rice dishes34Potaces & potato products67 $f'which$ 67Boiled, baked & mashed potatoes39Potaces & potato products9 $f'which$ 84Boiled, baked & mashed potatoes37Processed & homemade potato products9 $f'which$ 49Whole milk49 $fowhich$ 11Whole milk49 $fowhich$ 62020Yogurts & fromage frais38Non-dairy alternatives11Sweetened milk drinks6Cheses62Ce creams17Creams6Oairy desserts (e.g. rice pudding, custard)2Cotal meat66Meat dishes41 $fresh meat$ 66Meat dishes41 $fresh meat$ 58 $goultry$ 41 $fresh meat$ 58 $goultry$ 41 $fresh meat$ 58 $foultry$ 41		60	10	130
Breakfast cereals6010of whichReady-to-eat breakfast cereals (RTEBC)3934High-fibre RTEBC ($\geq 6g/100g$)2934Low-fibre RTEBC ($\geq 6g/100g$)1227Porridge & hot oats cereals (made up)3017Pasta, rice & savouries6513of which6513Rice, pasta, flours, grains & starch4591Savouries including pasta & rice dishes3413Potatoes & potato products6710of which967Boiled, baked & mashed potatoes3999Chipped, fried & roasted potatoes3766Processed & homemade potato products967Fotal milk4916Low fat, 1% & skimmed milk4315Non-dairy alternatives1111Sweetened milk drinks620Yogurts & fromage frais3810Cheeses6222Ce cerams1737Creams622Oairy desserts (e.g. rice pudding, custard)266Spreading fats7010Fotal meat6661Meat dishes4113Processed meat6661Meat products4655Bacon & ham4434Fresh meat5890Poultry4177Beef1872		35	9	141
of which3934Ready-to-eat breakfast cereals (RTEBC)3934High-fibre RTEBC ($\geq 6g/100g$)2932Low-fibre RTEBC ($\leq 6g/100g$)1222Porridge & hot oats cereals (made up)3017Pasta, rice & savouries6513of which6513Rice, pasta, flours, grains & starch4591Savouries including pasta & rice dishes3413Potatoes & potato products6710of which967Boiled, baked & mashed potatoes3999Chipped, fried & roasted potatoes3761Processed & homemade potato products967Total milk8418of which1111Sweetened milk4315Non-dairy alternatives1111Sweetened milk drinks620Yogurts & fromage frais3810Cheeses6222Ice creams1737Creams625Dairy desserts (e.g. rice pudding, custard)265Spreading fats7010Fotal meat6661Meat dishes4113Processed meat6665Bacon & ham4434Fresh meat5890Poultry4175Beef1875				
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Porridge & hot oats cereals (made up)3017Pasta, rice & savouries6513of which891Rice, pasta, flours, grains & starch4591Savouries including pasta & rice dishes3413Potatoes & potato products6710of which9799Boiled, baked & mashed potatoes3999Chipped, fried & roasted potatoes3761Processed & homemade potato products967Fotal milk8418of which967Whole milk4916Low fat, 1% & skimmed milk43Sweetened milk drinks620Yogurts & fromage frais3810Cheeses6222ce creams1737Creams622Dairy desserts (e.g. rice pudding, custard)265Spreading fats7010Fotal meat9016of which4113Processed meat6661Meat dishes4113Processed meat6655Bacon & ham4434Fresh meat5890Poultry4175Beef1875		25	9	97
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Non-dairy alternatives1111Sweetened milk drinks620Yogurts & fromage frais3810Cheeses6225ce creams1737Creams625Dairy desserts (e.g. rice pudding, custard)265Spreading fats7010Fotal meat9016of which4113Processed meat6661Meat products4655Bacon & ham4434Fresh meat5890Poultry4175Beef1875		102	10	552
Sweetened milk drinks620Yogurts & fromage frais3810Cheeses6225ce creams1737Creams625Dairy desserts (e.g. rice pudding, custard)269Spreading fats7010Fotal meat9016of which4113Processed meat6661Meat products4655Bacon & ham4434Fresh meat5890Poultry4175Beef1875		95	10	540
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Dairy desserts (e.g. rice pudding, custard)269Spreading fats7010Fotal meat9016of which1113Processed meat6661Meat products4655Bacon & ham4434Fresh meat5890Poultry4175Beef1875		24	4	67
Spreading fats7010Fotal meat9016of which11Meat dishes41Processed meat66Meat products46Bacon & ham44Fresh meat58Poultry41Beef18		68	4	-
Fotal meat9016of which11Meat dishes41Processed meat66Meat products46Bacon & ham44Fresh meat58Poultry41Beef18		7	2	28
of whichMeat dishes4113Processed meat6661Meat products4655Bacon & ham4434Fresh meat5890Poultry4175Beef1875		149	28	366
Processed meat6661Meat products4655Bacon & ham4434Fresh meat5890Poultry4175Beef1875				
Meat products 46 55 Bacon & ham 44 34 Fresh meat 58 90 Poultry 41 75 Beef 18 75	3 88	111	35	295
Bacon & ham 44 34 Fresh meat 58 90 Poultry 41 75 Beef 18 75	50	48	8	164
Bacon & ham 44 34 Fresh meat 58 90 Poultry 41 75 Beef 18 75	45	46	8	143
Fresh meat5890Poultry4175Beef1875		22	7	118
Poultry 41 75 Beef 18 75		75	21	210
Beef 18 75		59	18	175
		69	16	212
		100	10	265
Pork 7 78		75	12	194
Meat alternatives including dishes 4 86		68	17	264
Fish & fish dishes 34 86	63	75	15	225
Eggs & egg dishes 44 66	43	50	25	150
Nuts & seeds 33 19	22	13	0	61

Table 3.2 Proportion of consumers (%) and mean, SD, median and percentile values of food group intakes (g/d) in consumers only (19-64y)

% Cons: % of consumers of the food group

	Total population 19-64y (consumers only)					
Food groups	%				Percentiles	
	Cons	Mean	SD	Median	5th	95th
Fotal fruit & vegetables	96	281	201	250	40	631
Fruit & fruit juices	80	196	148	177	32	470
Discrete fruit	77	157	111	132	22	376
of which						
Bananas	44	85	44	69	40	163
Other fruits	61	106	80	82	15	256
Citrus fruits	26	72	60	51	19	207
Tinned fruits	6	26	29	18	3	106
Fruit juice & smoothies	25	145	135	150	3	351
Total vegetables	89	127	120	98	15	326
Discrete vegetables of which	87	108	107	81	13	286
Legumes	30	46	50	29	8	131
Green vegetables	32	40	42	35	8	129
Carrots	29	25	25	18	3	61
Salad vegetables	58	47	50	32	4	138
Other vegetables	59	51	50 67	33	5	130
Pickled & oily vegetables	7	19	29	11	3	70
Vegetables & legume dishes	27	69	62	45	15	208
Fotal confectionery/snacks	27 95	76	62	68	9	171
of which))	70	02	00)	1/1
Biscuits & crackers	53	28	26	21	5	83
Cakes, pastries & buns	33	46	32	37	11	90
Desserts	11	53	47	45	11	128
Chocolate confectionery	41	27	20	20	5	63
Savoury snacks	30	28	38	22	6	72
Sugar confectionery	13	30	37	17	2	145
Sugars, sweeteners, preserves & spreads	60	16	19	12	1	45
Cereal & protein bars	12	29	16	25	11	65
Water as a beverage	91	1188	805	1050	150	2667
Soft drinks*	48	268	258	190	23	700
of which			22.5	~~ 1	<i>c</i> o	<i>c</i> = -
Soft drinks, added sugar	25	264	238	221	60	685
Soft drinks, no added sugar	31	208	200	165	13	652
Гeas	69	547	410	464	125	1250
Coffees	69	423	266	370	120	930
Milk as a beverage	14	263	267	183	67	672
Sweetened milk drinks	6	205	189	155	27	704
Fruit juice	21	123	120	113	3	306
Smoothies	5	199	121	150	27	509
Alcoholic beverages	34	696	718	449	56	2455
Non-alcoholic alternative beverages	2	269	194	233	55	_

Table 3.2 continued Proportion of consumers (%) and mean, SD, median and percentile values of food group intakes (g/d) in consumers only (19-64y)

% Cons: % of consumers of the food group

*carbonated beverages, energy drinks, fruit juice drinks, squashes & cordials

	Total population $\geq 65y (n 282)$					
Food groups	Percentiles					
	Mean	SD	Median	5th	95th	
Total bread	85	63	74	8	203	
of which	00	05	, .	0	205	
White bread	34	26	28	4	84	
Wholemeal & brown bread	41	31	37	1	96	
Other breads (e.g. garlic/fruit bread, scones)	10	18	3	0	46	
Breakfast cereals	96	137	55	9	315	
of which	90	137	55	9	515	
Ready-to-eat breakfast cereals (RTEBC)	14	17	6	0	50	
High-fibre RTEBC ($\geq 6g/100g$)	10	16	3	ů 0	44	
Low-fibre RTEBC (<6g/100g)	4	2	3	2	8	
Porridge & hot oats cereals (made up)	83	131	42	6	288	
-						
Pasta, rice & savouries	46	32	39	12	105	
of which	20	~~~		-		
Rice, pasta, flours, grains & starch	29	22	24	5	71	
Savouries including pasta & rice dishes	17	12	15	5	39	
Potatoes & potato products	78	52	64	23	180	
of which						
Boiled, baked & mashed potatoes	44	36	34	6	116	
Chipped, fried & roasted potatoes	20	15	16	4	50	
Processed & homemade potato products	14	2	14	11	17	
Total milk	200	341	55	2	839	
of which	200	541	55	2	059	
Whole milk	99	177	25	0	429	
Low fat, 1% & skimmed milk	96	164	23	0	405	
Non-dairy alternatives	5	6	4	1	16	
			-	2		
Sweetened milk drinks	7	3	7	3	14	
Yogurts & fromage frais	36	42	18	0	124	
Cheeses	12	8	11	2	28	
Ice creams	5	2	5	3	9	
Creams	2	1	2	1	3	
Dairy desserts (e.g. rice pudding, custard)	5	1	5	3	8	
Spreading fats	9	9	6	1	27	
Total meat	141	68	128	57	271	
of which						
Meat dishes	56	31	51	16	112	
Processed meat	32	25	25	6	83	
Meat products	19	14	15	2	46	
Bacon & ham	13	13	9	1	40	
Fresh meat	53	19	50	29	89	
Poultry	25	16	21	6	57	
Beef	16	5	15	9	25	
Lamb	7	1	7	5	8	
Pork	6	0	6	5	7	
Meat alternatives including dishes	13	3	13	9	19	
Fish & fish dishes	26	20	21	0	62	
Eggs & egg dishes	22	19	16	2	61	
Nuts & seeds	5	10	1	0	24	

Table 3.3 Mean, SD, median and percentile values of food group intakes (g/d) in the total population (including nonconsumers) ($\geq 65y$)

(including non-consumers) (205y)	Total population $\geq 65y$ (n 282)					
Food groups	Percer					
	Mean	SD	Median	5th	95th	
Fotal fruit & vegetables	268	229	205	36	710	
Fruit & fruit juices	153	137	117	12	418	
Discrete fruit	122	93	103	10	298	
of which	20	24	25	•	102	
Bananas	38	34	25	2	103	
Other fruits	60	47	55	0	147	
Citrus fruits	21	37	5	0	100	
Tinned fruits	2	0	2	1	3	
ruit juice & smoothies	31	60	6	0	153	
Total vegetables	115	101	86	18	308	
Discrete vegetables	98	76	77	18	246	
<i>f which</i> Legumes	10	11	6	0	31	
•	10	11	11	0	46	
Green vegetables Carrots	10	8	8	0	40 26	
	29	8 21	8 24	2 5	20 69	
Salad vegetables			24 24			
Other vegetables	31	29		0	86	
Pickled & oily vegetables	2	1	2	1	3	
egetables & legume dishes	17	32	6	0	72	
otal confectionery/snacks	63	46	50	16	154	
<i>of which</i> Biscuits & crackers	15	15	10	0	45	
Cakes, pastries & buns	13	13	10	0	37	
Desserts	5	12	5	4	7	
Chocolate confectionery	7	7	5	4 0	22	
Savoury snacks	4	6	1	0	15	
Sugar confectionery	4	0	1	0	2	
Sugars, sweeteners, preserves & spreads	11	12	1 7	0	35	
Cereal & protein bars	6	2	6	4	10	
Vater as a beverage	664	492	575	41	1588	
oft drinks*	101	160	38	10	430	
f which	101	100	58	10	430	
Soft drinks, added sugar	24	17	20	7	56	
Soft drinks, added sugar	76	156	9	0	400	
eas	618	403	575	13	1348	
Coffees	202	187	175	2	544	
/ilk as a beverage	50	27	44	20	101	
weetened milk drinks	7	3	7	3	14	
ruit juice	9	18	4	0	34	
moothies	29	6	29	21	40	
lcoholic beverages	112	191	37	2	488	
Ion-alcoholic alternative beverages	27	3	26	22	31	

Table 3.3 continued Mean, SD, median and percentile values of food group intakes (g/d) in the total population (including non-consumers) ($\geq 65y$)

*carbonated beverages, energy drinks, fruit juice drinks, squashes & cordials

	Total population ≥65y (consumers only) % Percentiles					
Food groups	% Coma	Maan	٢D	M 1' -	Perce 5th	entiles 95th
	Cons	Mean	SD	Median	Sth	93th
Total bread	95	93	49	86	27	184
of which	5.6	<i></i>	20	40	12	120
White bread	56	57	39	49	13	130
Wholemeal & brown bread	70	68	41	60 22	17	150
Other breads (e.g. garlic/fruit bread, scones)	21	44	29	32	23	101
Breakfast cereals	79	136	118	111	12	396
of which						
Ready-to-eat breakfast cereals (RTEBC)	44	33	27	27	9	87
High-fibre RTEBC (≥6g/100g)	33	32	28	25	6	97
Low-fibre RTEBC (<6g/100g)	17	23	22	16	4	61
Porridge & hot oats cereals (made up)	47	200	107	183	56	418
Pasta, rice & savouries <i>of which</i>	44	76	64	57	8	198
Rice, pasta, flours, grains & starch	27	81	55	69	16	180
Savouries including pasta & rice dishes	20	60	68	35	6	221
Potatoes & potato products of which	86	103	62	92	26	220
Boiled, baked & mashed potatoes	63	103	62	83	34	221
Chipped, fried & roasted potatoes	34	57	37	50	16	130
Processed & homemade potato products	10	39	27	30	20	127
Total milk	90	230	184	186	18	592
of which Whole milk	54	189	171	142	9	584
Low fat, 1% & skimmed milk	34 44	219	196	142	15	584 571
Non-dairy alternatives	44 7	131	190	175	8	475
•						175
Sweetened milk drinks	4	206	160	155	20	-
Yogurts & fromage frais	43	95	64	79	27	195
Cheeses	54	23	20	15	5	62
Ice creams	19	35	23	32	15	84
Creams	10	19	24	11	4	103
Dairy desserts (e.g. rice pudding, custard)	12	58	37	60	7	160
Spreading fats	85	11	9	8	2	30
Total meat of which	87	151	94	134	39	345
Meat dishes	32	143	85	117	36	334
Processed meat	57	54	45	38	8	138
Meat products	36	45	39	37	8	127
Bacon & ham	41	37	34	22	8	1127
Fresh meat	64	85	60	72	24	185
	32	85 75	60 60	72	18	185
Poultry						
Beef	25	70 70	42	74	16	139
Lamb Pork	9 11	78 59	61 27	61 60	15 29	259 123
						123
Meat alternatives including dishes	2	49	38	33	17	-
Fish & fish dishes	41	72	43	68	18	154
Eggs & egg dishes	44	52	31	50	25	131
Nuts & seeds % Cons: % of consumers of the food group	37	17	23	11	0	67

Table 3.4 Proportion of consumers (%) and mean, SD, median and percentile values of food group intakes (g/d) in consumers only ($\geq 65y$)

% Cons: % of consumers of the food group
		Total po	pulation	≥65y (consur		
ruit & fruit juices iscrete fruit <i>(which</i> Bananas Other fruits Citrus fruits Tinned fruits ruit juice & smoothies otal vegetables iscrete vegetables <i>(which</i> Legumes Green vegetables Carrots Salad vegetables Other vegetables Other vegetables Other vegetables Pickled & oily vegetables egetables & legume dishes otal confectionery/snacks <i>(which</i> Biscuits & crackers Cakes, pastries & buns Desserts Chocolate confectionery Sugar confectionery Sugar confectionery Sugar confectionery Sugar s, sweeteners, preserves & spreads Cereal & protein bars <i>Vater</i> as a beverage of drinks* <i>(which</i> Soft drinks, added sugar Soft drinks, no added sugar eas offees lilk as a beverage weetened milk drinks ruit juice moothies leoholic beverages	%			_		entiles
	Cons	Mean	SD	Median	5th	95th
Total fruit & vegetables	99	302	191	267	65	664
Fruit & fruit juices	90	188	144	150	30	423
Discrete fruit	87	155	108	131	28	390
	40	02		(0)	20	166
	49	82	44	69	28	166
	73	95 84	67 54	80	13	246
	28	84 25	54	77	26	209
l inned fruits	7	25	19	24	5	90
Fruit juice & smoothies	27	127	127	101	3	300
Fotal vegetables	97	134	114	109	22	315
Discrete vegetables of which	95	120	105	99	17	304
	37	31	28	21	5	89
6	39	46	28	46	15	100
e	48	27	19	25	5	68
	67	48	42	40	4	118
	66	56	73	34	6	189
Pickled & oily vegetables	12	18	17	11	5	60
Vegetables & legume dishes	21	79	97	45	15	374
Total confectionery/snacks	94	69	54	55	7	173
	62	31	33	23	5	78
	41	45	34	34	8	111
	12	41	23	33	6	93
	34	22	21	16	5	71
	12	18	14	13	4	61
	8	15	8	12	3	29
	66	17	18	12	1	61
	3	20	14	18	6	-
Water as a beverage	81	693	523	568	113	1750
Soft drinks*	29	195	161	125	18	553
		4 a -	1.0.0		- -	
	14	195	128	150	65	458
Soft drinks, no added sugar	19	165	159	113	15	540
Гeas	90	744	436	649	250	1583
Coffees	58	363	251	280	95	930
Milk as a beverage	14	209	105	214	67	431
Sweetened milk drinks	4	206	160	155	20	-
Fruit juice	25	121	129	100	3	312
Smoothies	3	132	86	113	35	-
Alcoholic beverages	39	323	408	200	20	1236
Non-alcoholic alternative beverages	1	318	134	294	165	-

Table 3.4 continued Proportion of consumers (%) and mean, SD, median and percentile values of food group intakes (g/d) in consumers only ($\geq 65y$)

% Cons: % of consumers of the food group

*carbonated beverages, energy drinks, fruit juice drinks, squashes & cordials

in the total population (including non-consumers)		Males	19-64y	(n 347		Males ≥65y (n 142)						
Food groups		~ ~			entiles		~~~			entiles		
	Mean	SD	Median	5th	95th	Mean	SD	Median	5th	95th		
Total bread of which	99	74	84	11	239	79	62	64	8	196		
White bread	50	33	45	7	111	35	24	30	5	80		
Wholemeal & brown bread	37	32	30	1	98	35	30	28	1	90		
Other breads (e.g. garlic/fruit bread, scones)	11	20	3	0	53	9	16	2	0	41		
Breakfast cereals of which	67	99	41	7	208	55	85	31	6	178		
Ready-to-eat breakfast cereals (RTEBC)	16	20	8	0	57	10	14	4	0	39		
High-fibre RTEBC (≥6g/100g)	12	19	3	0	54	8	13	2	0	36		
Low-fibre RTEBC (<6g/100g)	4	2	3	1	7	3	2	3	1	7		
Porridge & hot oats cereals (made up)	51	91	26	4	175	45	80	22	4	156		
Pasta, rice & savouries of which	86	57	72	23	196	64	41	54	18	143		
Rice, pasta, flours, grains & starch	45	34	36	8	111	29	21	24	7	70		
Savouries including pasta & rice dishes	41	29	34	12	95	35	24	29	10	80		
Potatoes & potato products	93	63	76	25	220	74	48	60	22	168		
of which Boiled, baked & mashed potatoes	55	45	42	7	146	41	33	32	5	107		
Chipped, fried & roasted potatoes	24	18	42 19	5	59	19	15	15	4	48		
Processed & homemade potato products	14	2	14	11	18	14	2	13	11	17		
Total milk of which	194	341	49	2	798	130	231	35	2	544		
Whole milk	95	177	23	0	406	69	130	16	0	295		
Low fat, 1% & skimmed milk	93	167	21	0	390	55	101	13	0	241		
Non-dairy alternatives	6	7	4	1	17	6	7	4	1	17		
Sweetened milk drinks	8	4	7	3	15	8	3	7	3	14		
Yogurts & fromage frais	35	44	15	0	130	8 42	49	20	1	14		
Cheeses	15	9	13	4	33	14	9	12	4	30		
Ice creams	5	2	5	3	8	5	2	5	3	9		
Creams	2	1	2	1	3	1.7	1	2	1	3		
Dairy desserts (e.g. rice pudding, custard)	4	1	4	3	6	4	1	4	3	6		
Spreading fats	9	10	5	1	28	7	7	4	1	21		
Total meat of which	158	76	143	63	303	125	59	113	53	238		
Meat dishes	55	28	50	19	108	43	21	39	16	83		
Processed meat	43	32	35	9	103	30	23	24	6	74		
Meat products	25	18	21	5	59	18	13	15	4	42		
Bacon & ham	18	17	12	1	53	10	12	8	1	35		
Fresh meat	60	23	55	31	105	52	20	48	27	90		
Poultry	33	21	28	8	74	27	18	23	6	62		
Beef	15	5	15	9	24	13	4	12	8	21		
Lamb	6	1	6	5	8	6	1	6	5	8		
Pork	6	1	6	5	7	5	0	5	5	6		
Meat alternatives including dishes	14	3	13	9	19	14	3	14	9	20		
Fish & fish dishes	32	27	25	0	82	25	19	20	4	64		
Eggs & egg dishes	29	25	22	4	81	27	23	20	4	74		
Nuts & seeds	7	13	2	0	32	6	11	2	0	25		

Table 3.5 Mean, SD, median and percentile values of food group intakes (g/d) for males aged 19-64 years and ≥ 65 years, in the total population (including non-consumers)

	1	Males	19-64y ((n 347	7)	Males ≥65y (n 142)					
Food groups	$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	Perc	entiles								
	Mean	SD	Median	5th	95th	Mean	SD	Median	5th	95th	
Total fruit & vegetables	276	257	200	31	778	273	238	206	37	732	
Fruit & fruit juices	167	165	118	11	489	154	141	116	12	428	
Discrete fruit of which	122	100	98	10	316	121	96	101	11	304	
Bananas				2		35			2	101	
Other fruits			50	2				58	3	155	
Citrus fruits			4	0				4	0	93	
Tinned fruits	2	0	2	1	3	2	0	2	1	3	
Fruit juice & smoothies	45	80	11	0	209	33	61	8	0	155	
Total vegetables	109	102	79	16	303	119	103	90	19	314	
Discrete vegetables of which	91	75	70	15	237	101	78	81	19	249	
Legumes	14			1					1	45	
Green vegetables			12	1				10	1	41	
Carrots				1					1	21	
Salad vegetables									5	76	
Other vegetables	29	26		2			26	23	4	81	
Pickled & oily vegetables	2	1	2	1	3	2	1	2	1	3	
Vegetables & legume dishes	18	33	6	0	74	18	32	7	0	75	
Total confectionery/snacks of which	80	60	63	19	198	67	50	53	17	164	
Biscuits & crackers		19	13	1	56	14	14	9	1	41	
Cakes, pastries & buns	18	13	15	3		13	10	11	2	32	
Desserts	5	1	5	4	7	5	1	5	4	7	
Chocolate confectionery	12		8	1	34	11	10	7	1	32	
Savoury snacks	8		3	0		7	10	3	0	28	
Sugar confectionery								1	1	2	
Sugars, sweeteners, preserves & spreads									0	32	
Cereal & protein bars	7	2	7	4	12	7	2	7	4	11	
Water as a beverage	1018	725	903	68	2358	1009	699	905	73	2295	
Soft drinks* of which									11	739	
Soft drinks, added sugar									7	70	
Soft drinks, no added sugar	140	268	18	0	715	144	267	21	0	700	
Teas									3	1033	
Coffees									4	674	
Milk as a beverage									17	90	
Sweetened milk drinks									3	14	
Fruit juice									0	29	
Smoothies									21	40	
Alcoholic beverages									4	513	
Non-alcoholic alternative beverages	27	3	27	23	31	26	3	26	22	31	

Table 3.5 continued Mean, SD, median and percentile values of food group intakes (g/d) for males aged 19-64 years and ≥ 65 years, in the total population (including non-consumers)

*carbonated beverages, energy drinks, fruit juice drinks, squashes & cordials

	Fe	emale	s 19-64y	(n 37	'1)	I	Femal	es ≥65y		
Food groups					entiles					entiles
	Mean	SD	Median	5th	95th	Mean	SD	Median	5th	95th
Total bread of which	95	68	83	11	224	75	55	65	6	178
White bread	41	29	36	5	94	27	20	23	3	67
Wholemeal & brown bread	43	33	39	1	102	38	29	36	0	89
Other breads (e.g. garlic/fruit bread, scones)	11	20	3	0	51	9	17	2	0	42
Breakfast cereals of which	105	145	61	10	342	88	128	50	9	286
Ready-to-eat breakfast cereals (RTEBC)	16	20	7	0	57	11	14	5	0	40
High-fibre RTEBC (≥6g/100g)	12	18	3	0	49	9	13	2	0	37
Low-fibre RTEBC (<6g/100g)	4	2	4	2	8	4	2	3	1	7
Porridge & hot oats cereals (made up)	89	138	45	6	312	77	123	39	6	261
Pasta, rice & savouries of which	47	34	39	11	109	46	29	38	13	101
Rice, pasta, flours, grains & starch	32	24	27	4	79	26	19	21	5	62
Savouries including pasta & rice dishes	15	11	12	4	32	20	12	17	6	43
Potatoes & potato products of which	85	56	70	24	197	71	46	59	21	162
Boiled, baked & mashed potatoes	48	39	38	7	127	40	32	31	5	104
Chipped, fried & roasted potatoes	22	16	18	4	54	18	14	14	4	45
Processed & homemade potato products	14	2	14	11	18	13	2	13	10	16
Total milk of which	210	357	60	2	880	190	325	51	2	795
Whole milk	104	185	28	0	443	94	169	23	0	406
Low fat, 1% & skimmed milk	101	172	20	0	423	91	156		0	382
Non-dairy alternatives	5	5	3	1	15	6	6	4	1	17
Sweetened milk drinks	7	3	7	3	14	7	3	7	3	14
Yogurts & fromage frais	38	3 45	17	0	14	35	3 40	19	0	114
Cheeses	11	43 7	10	1	24	14	40 9	12	3	30
Ice creams	6	2	5	3	9	5	2	5	3	8
Creams	2	1	2	1	3	2.0	1	2	1	3
Dairy desserts (e.g. rice pudding, custard)	5	1	5	3	7	5	1	5	3	8
Spreading fats	10	10	7	1	29	8	8	5	1	24
Total meat of which	153	73	140	61	292	129	60	117	55	245
Meat dishes	64	33	60	20	126	47	25	43	14	92
Processed meat	36	28	28	6	90	29	22	22	6	73
Meat products	22	17	18	0	53	16	12	13	4	38
Bacon & ham	14	14	10	1	43	13	13	8	1	38
Fresh meat	53	18	50	30	87	54	20	50	29	92
Poultry	24	15	20	6	52	27	17	23	7	61
Beef	17	5	16	10	26	15	5	14	9	23
Lamb	7	1	7	5	8	7	1	7	5	8
Pork	6	0	6	5	7	6	0	6	5	6
Meat alternatives including dishes	14	3	13	9	19	13	3	13	9	18
Fish & fish dishes	28	22	23	0	67	23	18	19	0	54
Eggs & egg dishes	23	20	16	2	65	21	18	16	2	56
Nuts & seeds	6	11	2	0	26	5	9	1	0	22

Table 3.6 Mean, SD, median and percentile values of food group intakes (g/d) for females aged 19-64 years and ≥ 65 years, in the total population (including non-consumers)

	F	emale	s 19-64y	(n 37	(1)	Females ≥65y (n 140)					
Food groups				Perce	entiles				Perc	entiles	
	Mean	SD	Median	5th	95th	Mean	SD	Median	5th	95th	
Total fruit & vegetables	263	230	199	33	712	273	228	210	41	709	
Fruit & fruit juices	150	139	112	10	419	156	135	121	14	416	
Discrete fruit <i>of which</i>	120	96	99	9	303	124	90	107	12	293	
Bananas	37	35	22	2	105	39	33	27	2	100	
Other fruits	58	47	51	0	146	62	47	58	0	147	
Citrus fruits	22	38	5	0	105	20	35	5	0	96	
Tinned fruits	2	0	2	1	3	2	0	2	1	3	
Fruit juice & smoothies	30	58	6	0	150	32	61	7	0	156	
Total vegetables	113	100	84	18	307	117	101	87	19	310	
Discrete vegetables of which	96	76	76	17	245	99	76	79	18	247	
Legumes	9	10	6	0	29	10	12	6	0	32	
Green vegetables	16	15	11	0	48	15	15	11	0	44	
Carrots	10	8	7	2	25	11	8	9	2	28	
Salad vegetables	30	22	25	5	74	27	20	23	4	65	
Other vegetables	29	27	22	0	82	33	30	25	0	91	
Pickled & oily vegetables	2	1	2	1	3	2	1	2	1	4	
Vegetables & legume dishes	17	32	6	0	72	18	31	6	0	72	
Total confectionery/snacks of which	67	49	54	16	162	59	43	46	16	144	
Biscuits & crackers	15	16	10	0	46	15	15	10	0	44	
Cakes, pastries & buns	16	13	13	2	40	13	11	10	0	33	
Desserts	5	1	5	4	6	5	1	5	4	7	
Chocolate confectionery	8	8	6	1	25	6	6	4	0	18	
Savoury snacks	4	6	1	0	16	3	6	1	0	14	
Sugar confectionery	1	0	1	0	2	1	0	1	1	2	
Sugars, sweeteners, preserves & spreads	12	13	8	0	36	10	11	6	0	33	
Cereal & protein bars	6	2	6	4	9	6	2	6	4	10	
Water as a beverage	695	511	607	44	1659	633	471	547	40	1525	
Soft drinks* of which	99	159	37	10	423	102	161	38	10	434	
Soft drinks, added sugar	24	16	20	7	56	25	17	20	7	56	
Soft drinks, no added sugar	75	154	9	0	396	78	157	9	0	405	
Teas	695	429	647	22	1468	543	360	510	9	1179	
Coffees	195	187	158	1	540	209	186	191	3	546	
Milk as a beverage	53	28	47	21	107	48	25	42	19	95	
Sweetened milk drinks	7	3	7	3	14	7	3	7	3	14	
Fruit juice	8	16	4	0	32	10	20	4	1	36	
Smoothies	28	6	28	20	38	30	6	30	22	41	
Alcoholic beverages	176	244	76	2	668	49	75	20	1	194	
Non-alcoholic alternative beverages	27	3	27	23	32	26	2	26	22	30	

Table 3.6 continued Mean, SD, median and percentile values of food group intakes (g/d) for females aged 19-64 years and ≥ 65 years, in the total population (including non-consumers)

*carbonated beverages, energy drinks, fruit juice drinks, squashes & cordials

		Males 1	l9-64y	(consum	ers only	y)	Males ≥65y (consumers only)						
Food groups	%				Perce	entiles	%			_	Perc	entiles	
	Cons	Mean	SD	Median	5th	95th	Cons	Mean	SD	Median	5th	95th	
Total bread	95	109	60	101	28	228	97	85	46	78	24	173	
of which	,,,	10)	00	101	20	220	21	05	10	70	2.	175	
White bread	71	77	49	70	20	168	61	57	35	47	14	131	
Wholemeal & brown bread	50	72	46	68	21	170	65	63	37	57	16	130	
Other breads (e.g. garlic/fruit bread, scones)	21	56	47	40	13	150	17	40	38	32	7	129	
Breakfast cereals	61	123	102	98	18	328	78	92	90	56	11	328	
of which													
Ready-to-eat breakfast cereals (RTEBC)	41	39	26	33	11	98	43	29	22	22	7	67	
High-fibre RTEBC (≥6g/100g)	30	40	28	34	10	99	32	28	23	20	7	73	
Low-fibre RTEBC (<6g/100g)	14	28	18	28	5	61	18	25	15	21	4	59	
Porridge & hot oats cereals (made up)	31	189	90	164	56	328	48	155	88	139	37	328	
Pasta, rice & savouries of which	67	153	133	113	25	412	40	110	104	71	16	340	
Rice, pasta, flours, grains & starch	46	113	91	95	27	248	22	71	55	51	19	208	
Savouries including pasta & rice dishes	35	144	130	108	10	412	19	116	112	77	9	380	
Potatoes & potato products	69	119	82	99	24	329	85	82	50	69	24	184	
of which	0,	,	02		2.	029	00	02	20	0,7	2.	101	
Boiled, baked & mashed potatoes	42	114	72	92	33	283	65	82	45	65	31	181	
Chipped, fried & roasted potatoes	37	70	48	55	20	159	33	53	36	46	17	120	
Processed & homemade potato products	11	77	67	62	15	247	15	54	24	55	16	107	
Total milk of which	84	239	237	161	15	840	91	144	158	97	15	443	
Whole milk	53	211	242	133	13	840	59	113	132	63	10	397	
Low fat, 1% & skimmed milk	37	204	215	144	14	713	41	118	149	75	10	379	
Non-dairy alternatives	9	133	119	102	15	437	4	110	109	70	10	302	
Sweetened milk drinks	6	277	262	186	27	-	3	149	69	153	26	293	
Yogurts & fromage frais	38	97	54	75	38	218	39	103	56	90	40	223	
Cheeses	61	26	21	21	5	67	50	24	22	16	5	77	
Ice creams	15	36	19	31	15	72	20	37	32	30	9	99	
Creams	6	28	23	24	3	75	6	23	14	24	6	60	
Dairy desserts (e.g. rice pudding, custard)	3	85	58	93	11	-	8	49	55	49	4	-	
Spreading fats	73	12	11	8	2	40	88	8	6	6	1	18	
Total meat	92	195	109	192	38	397	88	131	84	115	23	297	
of which													
Meat dishes	41	150	95	126	35	318	34	117	77	91	35	265	
Processed meat	73	74	56	60	9	171	63	45	38	36	8	117	
Meat products	53	63	51	50	8	170	42	45	33	38	7	109	
Bacon & ham	51	41	40	25	8	146	41	26	23	17	6	79	
Fresh meat	61	107	68	95	23	260	62	73	44	59	19	154	
Poultry	41	85	60	72	18	236	26	66	39	51	22	137	
Beef	21	91	54	82	22	213	28	55	35	44	15	115	
Lamb Pork	4 8	109 84	74 41	100 76	11 16	- 206	8 13	53 70	34 39	44 60	15 18	- 192	
Meat alternatives including dishes	3	97	69	82	24	-	3	78	57	57	17	-	
Fish & fish dishes	27	102	77	83	17	303	45	76	49	70	15	198	
Eggs & egg dishes	42	71	49	60	24	185	46	61	38	50	25	137	
Nuts & seeds	28	23	25	15	0	83	32	17	19	12	1	57	

Table 3.7 Proportion of consumers (%) and mean, SD, median and percentile values of food group intakes (g/d) for males aged 19-64 years and \geq 65 years, in consumers only

Table 3.7 continued Proportion of consumers (%) and mean, SD, median and percentile values of food group intakes
(g/d) for males aged 19-64 years and \geq 65 years, in consumers only

		Males 1	9-64y	(consume	ers onl	y)	Males ≥65y (consumers only)						
Food groups	%				Perce	entiles	%				Percentiles		
	Cons	Mean	SD	Median	5th	95th	Cons	Mean	SD	Median	5th	95th	
Total fruit & vegetables	95	279	222	249	34	627	98	283	181	253	44	645	
Fruit & fruit juices	76	203	160	178	35	485	85	191	136	176	24	436	
Discrete fruit	73	159	112	136	26	369	83	156	111	129	17	376	
of which													
Bananas	46	90	51	69	40	185	46	80	35	69	29	137	
Other fruits	53	107	69	81	19	254	69	106	86	85	12	269	
Citrus fruits	24	66	58	51	19	208	32	76	61	51	15	208	
Tinned fruits	6	28	33	18	5	147	6	24	26	17	2	112	
Fruit juice & smoothies	24	167	162	150	5	380	22	127	105	125	2	338	
Total vegetables	87	126	138	94	13	307	98	127	103	99	17	331	
Discrete vegetables	85	110	123	84	9	275	95	106	92	77	16	295	
of which													
Legumes	35	46	49	29	8	147	40	46	51	30	8	130	
Green vegetables	34	55	50	47	6	150	34	40	28	33	8	95	
Carrots	27	27	27	20	5	61	50	23	24	18	2	61	
Salad vegetables	51	43	53	26	4	144	61	51	48	35	5	144	
Other vegetables	53	53	83	34	5	143	72	48	51	31	4	157	
Pickled & oily vegetables	6	25	43	10	3	171	8	15	10	13	3	42	
Vegetables & legume dishes	25	66	60	45	15	208	20	72	64	45	10	212	
Total confectionery/snacks	94	81	58	73	8	180	95	72	65	65	9	165	
of which													
Biscuits & crackers	52	33	28	24	6	91	58	24	22	18	4	61	
Cakes, pastries & buns	34	53	35	45	14	104	44	39	27	31	10	87	
Desserts	10	42	29	32	11	114	12	63	56	58	9	194	
Chocolate confectionery	33	29	22	23	6	74	30	25	19	19	5	60	
Savoury snacks	27	28	22	25	10	75	12	29	46	20	5	69	
Sugar confectionery	9	41	49	23	2	165	7	24	28	16	3	88	
Sugars, sweeteners, preserves & spreads	64	17	17	12	1	51	73	16	20	12	1	37	
Cereal & protein bars	14	30	17	28	12	65	1	26	16	23	10	66	
Water as a beverage	89	1184	816	1049	125	2781	73	1191	797	1068	205	2603	
Soft drinks*	50	291	290	217	37	875	32	246	220	165	13	665	
of which													
Soft drinks, added sugar	29	294	277	250	88	793	13	227	175	183	38	571	
Soft drinks, no added sugar	30	210	199	165	19	733	22	206	202	165	11	651	
Teas	68	512	356	431	125	1220	88	579	452	482	125	1424	
Coffees	69	428	284	374	124	941	54	419	249	368	111	904	
Milk as a beverage	19	296	302	219	95	750	17	196	161	150	49	624	
Sweetened milk drinks	6	277	262	186	27	-	3	149	69	153	26	293	
Fruit juice	19	137	146	114	4	354	22	112	97	101	2	301	
Smoothies	6	235	123	220	63	599	0	157	108	142	26	-	
Alcoholic beverages	42	905	806	598	100	2555	41	394	414	250	50	1320	
Non-alcoholic alternative beverages	2	299	235	274	25	-	2	225	121	165	165	-	

 $\$ carbonated beverages, energy drinks, fruit juice drinks, squashes & cordials

		Females	19-64	y (consur		57	Females ≥65y (consumers only)						
Food groups	%					entiles	%			-		entiles	
	Cons	Mean	SD	Median	5th	95th	Cons	Mean	SD	Median	5th	95th	
Total bread	91	102	52	97	34	216	92	84	44	76	24	171	
of which													
White bread	61	66	40	56	13	141	50	46	35	37	10	116	
Wholemeal & brown bread	55	76	44	68	23	154	73	60	37	54	16	139	
Other breads (e.g. garlic/fruit bread, scones)	21	48	29	48	14	101	24	41	29	27	23	128	
Breakfast cereals	59	153	124	139	16	418	80	121	112	93	12	335	
of which													
Ready-to-eat breakfast cereals (RTEBC)	37	40	34	30	13	140	46	27	18	24	8	56	
High-fibre RTEBC (≥6g/100g)	29	37	34	28	9	140	34	27	19	24	5	56	
Low-fibre RTEBC (<6g/100g)	10	28	28	16	5	121	17	18	12	12	3	45	
Porridge & hot oats cereals (made up)	28	214	110	183	65	418	46	185	101	175	49	418	
Pasta, rice & savouries	63	80	70	51	6	206	49	74	59	62	10	191	
of which Rice, pasta, flours, grains & starch	45	102	72	95	22	257	32	67	35	69	14	131	
Savouries including pasta & rice dishes	32	50	53	30	5	198	21	70	78	50	7	288	
Savouries meruding pasta & rice disnes	52	50	55	50	5	170	21	70	70	50	,	200	
Potatoes & potato products of which	65	117	64	102	35	236	87	89	56	77	23	184	
Boiled, baked & mashed potatoes	37	112	64	88	43	244	61	94	58	80	31	206	
Chipped, fried & roasted potatoes	37	63	42	55	9	167	35	51	31	45	16	109	
Processed & homemade potato products	7	41	31	30	20	156	5	35	11	39	23	-	
Total milk of which	84	262	219	208	18	641	88	199	135	173	18	502	
Whole milk	44	213	198	143	8	638	49	160	128	142	9	506	
Low fat, 1% & skimmed milk	49	260	247	181	16	706	47	185	134	173	15	498	
Non-dairy alternatives	12	191	176	140	8	-	10	106	79	73	18	-	
Sweetened milk drinks	7	285	200	226	58		5	152	109	155	20	_	
	38	102	200 51	93	38 42	-	47	89		155	20		
Yogurts & fromage frais						209			73	65 15		210	
Cheeses	63	22	18	15	5	59	57	23	22	15	5	70	
Ice creams	19	37	25	32	16	106	18	32	21	30	3	90	
Creams	6	16	19	15	8	-	14	20	26	10	3	105	
Dairy desserts (e.g. rice pudding, custard)	2	59	33	74	7	-	16	57	39	60	9	180	
Spreading fats	67	12	9	11	3	30	82	9	9	6	2	27	
Total meat	88	165	105	146	40	402	85	138	80	123	39	299	
of which													
Meat dishes	41	163	89	134	51	343	29	121	75	100	27	269	
Processed meat	60	60	52	38	8	169	52	47	35	38	8	118	
Meat products	39	52	45	38	8	151	30	36	26	31	6	97	
Bacon & ham	38	41	39	25	8	143	41	34	27	20	7	93	
Fresh meat	55	83	54	72	21	196	66	87	65	73	24	182	
Poultry	41	63	32	51	16	130	37	84	73	74	18	175	
Beef	15	69	45	57	16	169	21	72	38	74	13	140	
Lamb	2	85	76	61	15	-	9	72	47	62	15	-	
Pork	5	67	33	60	9	-	9	48	13	55	30	-	
Meat alternatives including dishes	4	51	36	56	17	-	2	47	55	27	17	-	
Fish & fish dishes	40	84	51	74	15	184	38	59	25	51	19	102	
Eggs & egg dishes	46	51	30	50	25	131	41	52	33	44	13	134	
Nuts & seeds	37	18	19	13	0	68	42	16	26	10	0	76	

Table 3.8 Proportion of consumers (%) and mean, SD, median and percentile values of food group intakes (g/d) for females aged 19-64 years and \geq 65 years, in consumers only

Table 3.8 continued Proportion of consumers (%) and mean, SD, median and percentile values of food group intakes
(g/d) for females aged 19-64 years and \geq 65 years, in consumers only

	F	Females	19-64	y (consun	ners on	ly)	Females ≥65y (consumers only)						
Food groups	%			_	Perce	entiles	%			_	Perce	entiles	
	Cons	Mean	SD	Median	5th	95th	Cons	Mean	SD	Median	5th	95th	
Total fruit & vegetables	98	303	204	284	65	705	100	301	179	261	78	652	
Fruit & fruit juices	84	195	142	159	28	420	95	183	146	142	32	443	
Discrete fruit	81	169	120	135	27	404	91	143	95	128	30	334	
of which													
Bananas	52	85	52	59	24	196	52	79	35	69	35	135	
Other fruits	67	101	70	84	13	277	76	91	64	78	13	224	
Citrus fruits	27	92	58	79	21	209	24	73	47	75	26	203	
Tinned fruits	6	22	22	23	4		9	26	17	24	7		
Fruit juice & smoothies	26	116	80	108	3	295	32	134	150	100	3	568	
Total vegetables	92	135	132	99	21	375	97	133	93	116	24	304	
Discrete vegetables	90	124	128	95	21	344	96	115	78	104	16	288	
of which													
Legumes	26	29	30	20	7	93	34	33	26	25	5	89	
Green vegetables	30	48	28	46	15	119	45	45	29	41	14	96	
Carrots	32	27	17	25	3	62	46	28	20	25	5	70	
Salad vegetables	64	51	49	36	4	132	72	46	36	40	5	114	
Other vegetables	64	60	87	31	4	208	60	51	50	35	8	183	
Pickled & oily vegetables	8	22	20	10	5	-	16	16	15	11	5	63	
Vegetables & legume dishes	29	71	79	52	17	389	21	87	112	23	13	432	
Total confectionery/snacks	96	73	57	61	1	186	93	65	52	52	8	142	
of which													
Biscuits & crackers	53	32	40	22	7	75	67	30	25	23	5	78	
Cakes, pastries & buns	32	51	40	42	6	148	38	37	24	32	11	97	
Desserts	11	33	14	32	5	-	12	49	28	44	5	-	
Chocolate confectionery	49	25	20	19	5	78	38	19	20	13	3	72	
Savoury snacks	33	16	10	13	3	-	12	19	18	13	3	-	
Sugar confectionery	17	15	7	14	2	-	8	14	9	12	4	-	
Sugars, sweeteners, preserves & spreads	57	19	19	15	1	65	58	16	17	9	2	64	
Cereal & protein bars	10	-	-	-	25	25	5	19	14	17	6	-	
Water as a beverage	94	684	526	568	123	1689	90	700	523	580	111	1761	
Soft drinks*	47	188	162	123	15	591	27	204	163	128	18	565	
of which													
Soft drinks, added sugar	22	213	138	216	68	-	14	179	120	125	45	458	
Soft drinks, no added sugar	32	150	151	95	15	611	16	183	171	120	14	540	
Teas	69	834	520	715	284	2170	91	660	318	620	230	1318	
Coffees	69	369	260	306	95	935	61	357	244	278	102	919	
Milk as a beverage	9	219	116	234	56	478	11	195	88	200	81	-	
Sweetened milk drinks	7	285	200	226	58	-	5	152	109	155	20	-	
Fruit juice	24	116	80	108	3	295	28	125	157	75	3	602	
Smoothies	4	-	-	-	-	-	6	132	86	113	35	-	
Alcoholic beverages	27	476	496	319	25	1750	38	161	181	89	18	497	
Non-alcoholic alternative beverages	1	318	134	294	165	-	0	-	-	-	-	-	

 $\$ carbonated beverages, energy drinks, fruit juice drinks, squashes & cordials

Fable 4.1 Mean, SD, median and percentile values for daily energy, macronutrient, dietary fibre, vitamin an	ıd
nineral intakes in adults aged 19-64 years	

millerul makes in adults aged 17 of years		Total po	pulation 19-64	y (n 718)	
				/	entiles
	Mean	SD	Median	5th	95th
Macronutrients & Fibre					
Energy (MJ)	7.9	2.2	7.7	4.7	11.9
Energy (kcal)	1889	536	1826	1124	2857
Protein (g)	81.9	24.0	78.5	49.0	126
Total fat (g)	76.1	24.2	73.3	41.4	120
Saturated fat (g)	28.5	10.2	27.1	14.2	47.1
Carbohydrate (g)	209	64.7	202	116	325
Total sugar (g)	85.9	31.0	82.0	42.1	142
Dietary fibre (g)	18.3	6.1	17.5	9.8	29.3
Alcohol (g)	13.0	18.6	4.9	0.1	53.1
Protein (% TE)	17.8	3.0	17.6	13.3	23.1
Total fat (% TE)	35.9	5.3	35.9	27.2	44.8
Saturated fat (% TE)	13.5	3.1	13.3	8.7	18.8
Carbohydrate (% TE)	42.2	5.9	42.3	32.5	51.8
Total sugar (% TE)	17.3	4.1	17.2	11.0	24.3
Dietary fibre (g/10MJ)	24.4	6.7	23.7	14.6	36.6
Alcohol (%TE)	4.0	5.5	1.5	0.0	16.0
Vitamins*					
Total Vitamin A (µg)	874	371	811	388	1565
Retinol (µg)	401	242	350	108	862
Carotene (µg)	2832	1710	2441	880	6115
Vitamin D (µg)	12.0	14.0	7.6	1.1	37.5
Vitamin E (mg)	12.9	9.3	10.5	3.3	30.5
Thiamin (mg)	2.3	1.6	1.9	0.7	5.4
Riboflavin (mg)	2.6	1.9	2.1	0.7	6.1
Total Niacin (mg)	42.6	15.2	40.0	23.0	71.0
Vitamin B6 (mg)	2.7	1.9	2.2	0.8	6.3
Vitamin B12 (µg)	11.5	14.4	7.2	1.4	35.2
Total folate (µg)	307	145	277	133	579
Dietary Folate Equivalents (µg)	361	208	312	129	753
Biotin (µg)	56.5	33.9	48.3	19.4	120
Pantothenate (mg)	8.2	4.8	7.0	2.9	17.3
Vitamin C (mg)	137	116	104	27	354
Minerals*					
Sodium (mg)	2143	670	2061	1195	3361
Potassium (mg)	2980	762	2904	1864	4349
Calcium (mg)	965	394	900	445	1701
Iron (mg)	11.8	4.7	10.9	5.7	20.6
Magnesium (mg)	317	109	300	171	519
Zinc (mg)	11.1	4.9	10.2	5.1	20.3
Copper (mg)	1.2	0.4	1.1	0.6	2.0
Phosphorus (mg)	1329	397	1279	768	2050

*All sources including nutritional supplements

TE: Total Energy

		Total p	opulation ≥65y	(n 282)	
				Perce	entiles
	Mean	SD	Median	5th	95th
Macronutrients & Fibre					
Energy (MJ)	7.1	1.8	7.0	4.5	10.3
Energy (kcal)	1701	428	1659	1070	2472
Protein (g)	74.8	18.1	72.9	48.4	107
Total fat (g)	68.0	20.8	65.7	37.9	105
Saturated fat (g)	26.7	9.1	25.6	13.8	43.3
Carbohydrate (g)	191	54.8	186	111	289
Total sugar (g)	82.5	28.4	79.2	41.9	134
Dietary fibre (g)	17.8	5.8	17.1	9.6	28.3
Alcohol (g)	8.8	12.8	3.2	0.1	35.9
Protein (% TE)	18.2	3.0	17.9	13.7	23.5
Total fat (% TE)	35.4	5.2	35.4	26.9	44.1
Saturated fat (% TE)	14.0	3.1	13.8	9.2	19.3
Carbohydrate (% TE)	42.7	5.8	42.8	33.2	52.1
Total sugar (% TE)	18.2	4.1	18.1	11.9	25.3
Dietary fibre (g/10MJ)	26.0	6.7	25.3	16.3	38.1
Alcohol (%TE)	3.1	4.5	1.2	0.0	12.9
Vitamins*					
Γotal Vitamin A (μg)	929	386	867	422	1651
Retinol (µg)	418	243	370	120	883
Carotene (µg)	3056	1788	2666	990	6484
Vitamin D (µg)	17.5	18.4	11.8	1.9	52.2
Vitamin E (mg)	10.9	7.9	8.8	2.8	25.9
Thiamin (mg)	2.5	1.7	2.0	0.7	5.7
Riboflavin (mg)	2.8	1.9	2.3	0.8	6.5
Total Niacin (mg)	37.4	11.3	35.9	22.0	58.3
Vitamin B6 (mg)	2.5	1.7	2.1	0.8	5.7
Vitamin B12 (µg)	13.4	15.7	8.6	1.8	41.1
Γotal folate (μg)	309	143	281	136	581
Dietary Folate Equivalents (µg)	365	206	318	133	757
Biotin (μg)	55.8	32.6	48.1	19.6	118
Pantothenate (mg)	8.4	4.7	7.4	3.1	17.4
Vitamin C (mg)	134	110	103	27	344
Minerals*					
Sodium (mg)	1734	528	1673	978	2697
Potassium (mg)	3015	713	2951	1962	4288
Calcium (mg)	996	379	941	487	1699
fron (mg)	10.6	4.1	9.9	5.3	18.3
Magnesium (mg)	299	97.5	285	167	479
Zinc (mg)	10.8	4.5	10.0	5.1	19.3
Copper (mg)	1.1	0.4	1.0	0.6	1.8
Phosphorus (mg)	1274	336	1240	784	1878

Table 4.2 Mean, SD, median and percentile values for daily energy, macronutrient, dietary fibre, vitamin and mineral intakes in adults aged ≥ 65 years

*All sources including nutritional supplements

TE: Total Energy

Table 4.3 Mean, SD, median and percentile values for daily energy, macronutrient, dietary fibre, vitamin and mineral intakes in adults
aged 19-64 years by sex

aged 19-64 years by sex		Males	s 19-64y (<i>r</i>	1 347)			Female	es 19-64y (n 371)	
					entiles			, , , , , , , , , , , , , , , , , , ,		entiles
	Mean	SD	Median	5th	95th	Mean	SD	Median	5th	95th
Macronutrients & Fibre										
Energy (MJ)	9.1	2.1	8.9	6.0	12.9	6.8	1.7	6.6	4.3	9.8
Energy (kcal)	2179	514	2131	1420	3100	1620	398	1584	1034	2335
Protein (g)	95.2	23.6	92.6	61.2	138	69.6	16.6	67.9	45.5	99.4
Total fat (g)	86.0	24.2	83.6	50.4	129	66.9	20.2	64.8	37.7	104
Saturated fat (g)	32.3	10.4	31.2	17.4	50.9	24.9	8.6	23.9	12.8	40.5
Carbohydrate (g)	239	63.9	233	144	353	182	52.2	177	105	276
Total sugar (g)	96.5	31.7	93.3	50.6	154	76.0	26.8	73.0	38.0	125
Dietary fibre (g)	19.6	6.2	18.9	10.7	31.0	17.1	5.6	16.4	9.2	27.4
Alcohol (g)	15.0	20.6	6.0	0.1	60.0	11.1	16.3	4.1	0.1	45.8
Protein (% TE)	17.9	3.0	17.7	13.4	23.3	17.7	3.0	17.4	13.3	23.0
Total fat (% TE)	35.3	5.3	35.3	26.7	44.2	36.5	5.3	36.4	28.0	45.2
Saturated fat (% TE)	13.4	3.1	13.2	8.6	18.6	13.6	3.1	13.5	8.9	18.9
Carbohydrate (% TE)	41.8	5.8	41.9	31.9	51.2	42.7	5.8	42.7	33.0	52.2
Total sugar (% TE)	16.8	4.0	16.6	10.6	23.7	17.8	4.1	17.6	11.5	24.9
Dietary fibre (g/10MJ)	22.5	6.2	21.8	13.6	33.6	26.2	6.7	25.5	16.5	38.3
Alcohol (%TE)	4.3	5.8	1.7	0.0	17.1	3.7	5.2	1.4	0.0	14.9
Vitamins*										
Total Vitamin A (µg)	900	383	837	399	1610	850	359	790	380	1518
Retinol (µg)	442	259	390	124	930	363	218	318	99	779
Carotene (µg)	2672	1633	2293	815	5771	2980	1766	2579	950	6337
Vitamin D (µg)	11.2	13.0	7.1	1.0	34.4	12.8	14.7	8.1	1.1	40.0
Vitamin E (mg)	13.3	9.6	10.9	3.4	31.4	12.5	9.0	10.1	3.2	29.6
Thiamin (mg)	2.6	1.8	2.1	0.7	5.8	2.2	1.5	1.8	0.6	5.0
Riboflavin (mg)	2.9	2.0	2.4	0.8	6.7	2.3	1.6	1.9	0.7	5.4
Total Niacin (mg)	50.2	15.7	47.8	28.9	79.4	35.7	10.7	34.2	21.0	55.5
Vitamin B6 (mg)	3.1	2.1	2.6	0.9	7.1	2.4	1.6	2.0	0.7	5.5
Vitamin B12 (µg)	12.7	15.8	8.1	1.6	38.5	10.3	12.7	6.5	1.3	31.7
Total folate (µg)	334	155	303	146	622	282	131	256	124	529
Dietary Folate Equivalents (µg)	390	222	341	141	807	334	189	290	122	695
Biotin (µg)	62.4	36.8	53.9	21.7	131	51.0	29.9	44.1	18.0	108
Pantothenate (mg)	9.2	5.3	8.0	3.3	19.2	7.2	4.1	6.3	2.6	15.1
Vitamin C (mg)	136	117	103	26	353	138	115	106	27	356
Minerals*										
Sodium (mg)	2447	664	2379	1478	3643	1862	539	1804	1087	2840
Potassium (mg)	3313	746	3252	2196	4622	2673	637	2615	1732	3810
Calcium (mg)	1086	415	1026	523	1853	854	336	801	405	1478
Iron (mg)	13.0	5.0	12.2	6.5	22.4	10.6	4.2	9.9	5.3	18.4
Magnesium (mg)	353	114	336	197	563	284	93	270	158	457
Zinc (mg)	12.6	5.2	11.7	6.0	22.4	9.8	4.1	9.0	4.7	17.4
Copper (mg)	1.3	0.5	1.2	0.7	2.1	1.1	0.4	1.0	0.6	1.8
Phosphorus (mg)	1529	391	1489	955	2234	1145	302	1114	705	1687

*All sources including nutritional supplements TE: Total Energy

Table 4.4 Mean, SD, median and percentile values for daily energy, macronutrient, dietary fibre, vitamin and mineral intakes in	
adults aged ≥65 years by sex	

adults aged ≥65 years by sex		Male	es ≥65y (<i>n</i>	142)			Females $\geq 65y(n \ 140)$			
				Perce	entiles					entiles
	Mean	SD	Median	5th	95th	Mean	SD	Median	5th	95th
Macronutrients & Fibre										
Energy (MJ)	7.7	1.8	7.5	5.0	10.9	6.6	1.6	6.4	4.2	9.4
Energy (kcal)	1837	431	1799	1200	2608	1568	382	1536	1012	2244
Protein (g)	79.4	18.4	77.6	52.4	113	70.3	16.7	68.8	46.3	99.9
Total fat (g)	72.5	21.2	70.4	41.6	111	63.5	19.4	61.6	35.8	98.1
Saturated fat (g)	28.6	9.4	27.5	15.2	45.7	24.9	8.5	23.9	13.0	40.3
Carbohydrate (g)	207	55.2	202	125	306	175	49.5	171	103	263
Total sugar (g)	88.8	29.1	85.6	46.9	142	76.4	26.3	73.6	39.1	124
Dietary fibre (g)	18.6	5.9	17.9	10.2	29.4	17.0	5.5	16.3	9.2	26.9
Alcohol (g)	10.4	14.5	4.1	0.1	41.9	7.2	10.5	2.6	0.0	29.4
Protein (% TE)	17.9	3.0	17.6	13.4	23.1	18.5	3.1	18.2	13.9	23.8
Total fat (% TE)	35.1	5.2	35.0	26.6	43.8	35.7	5.2	35.7	27.3	44.4
Saturated fat (% TE)	13.9	3.1	13.8	9.1	19.2	14.0	3.1	13.9	9.3	19.3
Carbohydrate (% TE)	43.0	5.8	43.0	33.4	52.4	42.5	5.8	42.6	33.0	51.8
Total sugar (% TE)	18.2	4.1	18.0	11.9	25.3	18.3	4.1	18.1	12.0	25.3
Dietary fibre (g/10MJ)	25.2	6.5	24.5	15.7	36.9	26.8	6.8	26.2	17.0	39.0
Alcohol (%TE)	3.5	4.9	1.4	0.0	14.2	2.8	4.0	1.0	0.0	11.3
Vitamins*										
Total Vitamin A (µg)	960	395	896	437	1703	899	375	841	410	1592
Retinol (µg)	446	252	397	132	931	391	230	347	112	826
Carotene (µg)	2998	1751	2605	964	6395	3112	1821	2719	1023	6546
Vitamin D (µg)	15.9	16.7	10.7	1.7	48.3	19.0	19.7	13.0	2.2	55.5
Vitamin E (mg)	10.9	7.9	8.9	2.8	26.2	10.8	7.9	8.8	2.8	25.7
Thiamin (mg)	2.5	1.7	2.0	0.7	5.7	2.5	1.7	2.0	0.7	5.6
Riboflavin (mg)	2.8	1.9	2.3	0.8	6.6	2.8	1.9	2.3	0.8	6.3
Total Niacin (mg)	39.4	11.7	37.8	23.4	61.1	35.5	10.6	34.1	21.2	54.7
Vitamin B6 (mg)	2.6	1.7	2.2	0.8	6.0	2.4	1.6	2.0	0.7	5.4
Vitamin B12 (µg)	14.6	16.8	9.4	1.9	44.9	12.3	14.5	7.9	1.7	36.9
Total folate (µg)	326	149	296	144	610	294	135	268	131	546
Dietary Folate Equivalents (µg)	381	213	332	139	792	349	197	305	129	718
Biotin (µg)	58.8	34.0	50.8	20.7	125	52.9	30.9	45.9	18.9	111
Pantothenate (mg)	8.5	4.7	7.4	3.1	17.6	8.4	4.7	7.3	3.1	17.2
Vitamin C (mg)	137	112	106	27	355	131	108	101	27	334
Minerals*										
Sodium (mg)	1913	535	1857	1139	2885	1559	459	1513	909	2381
Potassium (mg)	3210	719	3149	2141	4494	2825	653	2773	1869	3975
Calcium (mg)	991	377	934	482	1697	1002	381	948	494	1701
Iron (mg)	11.2	4.3	10.4	5.6	19.2	10.0	3.9	9.4	5.1	17.2
Magnesium (mg)	313	101	299	176	500	286	92	273	161	454
Zinc (mg)	11.7	4.8	10.8	5.7	20.7	9.9	4.1	9.2	4.9	17.5
Copper (mg)	1.2	0.4	1.1	0.6	1.9	1.1	0.4	1.0	0.6	1.7
Phosphorus (mg)	1356	342	1323	855	1971	1194	310	1166	746	1745

*All sources including nutritional supplements TE: Total Energy

		19-64y			≥65y	
	Total 19-64y	Males	Females	Total ≥65y	Males	Females
	n 718	n 347	n 371	n 282	n 142	n 140
All sources*						-
Mean	874	900	850	929	960	899
SD	371	383	359	386	395	375
Median	811	837	790	867	896	841
5th percentile	388	399	380	422	437	410
95th percentile	1565	1610	1518	1651	1703	1592
97.5th percentile	1758	1814	1706	1874	1921	1795
Food sources						
Mean	765	778	754	807	840	775
SD	249	252	245	259	265	248
Median	732	746	720	772	805	744
5th percentile	423	430	416	449	471	435
95th percentile	1219	1236	1203	1282	1331	1225
97.5th percentile	1338	1359	1319	1420	1465	1350

Table 4.5 Mean, SD, median and percentile values for daily total vitamin A intakes (μ g) from all sources and food sources for the total population and by sex and age group

		19-64y			≥65y	
	Total 19-64y <i>n</i> 718	Males n 347	Females n 371	Total $\geq 65y$ <i>n</i> 282	Males n 142	Females n 140
All sources*						
Mean	401	442	363	418	446	391
SD	242	259	218	243	252	230
Median	350	390	318	370	397	347
5th percentile	108	124	99	120	132	112
95th percentile	862	930	779	883	931	826
97.5th percentile	997	1073	904	1033	1080	962
Food sources						
Mean	313	345	283	316	342	291
SD	141	149	126	137	142	127
Median	290	324	263	296	322	273
5th percentile	126	143	115	131	148	122
95th percentile	575	618	516	570	607	524
97.5th percentile	642	689	578	647	680	590

Table 4.6 Mean, SD, median and percentile values for daily retinol intakes (μg) from all sources and food sources for the total population and by sex and age group

		19-64y		≥65y		
	Total 19-64y <i>n</i> 718	Males n 347	Females n 371	Total $\geq 65y$ <i>n</i> 282	Males n 142	Females n 140
All sources*						
Mean	2832	2672	2980	3056	2998	3112
SD	1710	1633	1766	1788	1751	1821
Median	2441	2293	2579	2666	2605	2719
5th percentile	880	815	950	990	964	1023
95th percentile	6115	5771	6337	6484	6395	6546
97.5th percentile	7158	6826	7408	7638	7570	7735
Food sources						
Mean	2719	2543	2882	2981	2930	3030
SD	1563	1472	1626	1659	1629	1687
Median	2376	2216	2524	2632	2577	2680
5th percentile	901	829	980	1028	1004	1059
95th percentile	5710	5333	5972	6150	6080	6205
97.5th percentile	6647	6244	6936	7205	7147	7282

Table 4.7 Mean, SD, median and percentile values for daily carotene intakes (μg) from all sources and food sources for the total population and by sex and age group

		19-64y		≥65y		
	Total 19-64y <i>n</i> 718	Males n 347	Females n 371	Total $\geq 65y$ <i>n</i> 282	Males n 142	Females n 140
All sources*						
Mean	12.0	11.2	12.8	17.5	15.9	19.0
SD	14.0	13.0	14.7	18.4	16.7	19.7
Median	7.6	7.1	8.1	11.8	10.7	13.0
5th percentile	1.1	1.0	1.1	1.9	1.7	2.2
95th percentile	37.5	34.4	40.0	52.2	48.3	55.5
97.5th percentile	49.0	45.4	51.4	67.3	63.3	72.3
Food sources						
Mean	3.9	4.4	3.5	4.9	5.7	4.0
SD	2.5	2.6	2.2	2.9	3.2	2.4
Median	3.4	3.8	3.0	4.2	5.1	3.5
5th percentile	1.1	1.3	0.9	1.4	1.8	1.2
95th percentile	8.6	9.3	7.7	10.6	11.8	8.7
97.5th percentile	10.1	10.9	9.0	12.5	13.8	10.2

Table 4.8 Mean, SD, median and percentile values for daily vitamin D intakes (μ g) from all sources and food sources for the total population and by sex and age group

		19-64y		≥65y			
	Total 19-64y <i>n</i> 718	Males n 347	Females n 371	Total $\geq 65y$ <i>n</i> 282	Males n 142	Females n 140	
All sources*							
Mean	12.9	13.3	12.5	10.9	10.9	10.8	
SD	9.3	9.6	9.0	7.9	7.9	7.9	
Median	10.5	10.9	10.1	8.8	8.9	8.8	
5th percentile	3.3	3.4	3.2	2.8	2.8	2.8	
95th percentile	30.5	31.4	29.6	25.9	26.2	25.7	
97.5th percentile	37.0	38.1	35.9	32.0	32.3	31.5	
Food sources							
Mean	8.9	9.5	8.4	7.9	8.0	7.8	
SD	3.9	4.1	3.7	3.5	3.5	3.5	
Median	8.3	8.8	7.8	7.4	7.5	7.3	
5th percentile	3.7	4.0	3.5	3.3	3.4	3.3	
95th percentile	16.3	17.2	15.4	14.5	14.7	14.2	
97.5th percentile	18.3	19.2	17.1	16.5	16.7	16.1	

Table 4.9 Mean, SD, median and percentile values for daily vitamin E intakes (μg) from all sources and food sources for the total population and by sex and age group

		19-64y		≥65y		
	Total 19-64y <i>n</i> 718	Males n 347	Females n 371	Total $\geq 65y$ <i>n</i> 282	Males n 142	Females n 140
All sources*						
Mean	2.3	2.6	2.2	2.5	2.5	2.5
SD	1.6	1.8	1.5	1.7	1.7	1.7
Median	1.9	2.1	1.8	2.0	2.0	2.0
5th percentile	0.7	0.7	0.6	0.7	0.7	0.7
95th percentile	5.4	5.8	5.0	5.7	5.7	5.6
97.5th percentile	6.6	7.1	6.0	7.0	7.0	6.9
Food sources						
Mean	1.5	1.8	1.3	1.6	1.7	1.5
SD	0.5	0.5	0.4	0.4	0.5	0.4
Median	1.5	1.7	1.3	1.5	1.6	1.4
5th percentile	0.9	1.1	0.8	0.9	1.0	0.9
95th percentile	2.4	2.6	2.0	2.4	2.5	2.2
97.5th percentile	2.6	2.8	2.2	2.6	2.7	2.4

Table 4.10 Mean, SD, median and percentile values for daily thiamin intakes (μg) from all sources and food sources for the total population and by sex and age group

		19-64y		≥65y		
	Total 19-64y <i>n</i> 718	Males n 347	Females n 371	Total $\geq 65y$ <i>n</i> 282	Males n 142	Females n 140
All sources*						
Mean	2.6	2.9	2.3	2.8	2.8	2.8
SD	1.9	2.0	1.6	1.9	1.9	1.9
Median	2.1	2.4	1.9	2.3	2.3	2.3
5th percentile	0.7	0.8	0.7	0.8	0.8	0.8
95th percentile	6.1	6.7	5.4	6.5	6.6	6.3
97.5th percentile	7.4	8.2	6.6	8.0	8.1	7.7
Food sources						
Mean	1.8	2.1	1.5	1.9	2.0	1.7
SD	0.7	0.7	0.5	0.7	0.7	0.6
Median	1.7	1.9	1.4	1.8	1.9	1.6
5th percentile	0.9	1.1	0.8	1.0	1.1	0.9
95th percentile	3.1	3.4	2.5	3.1	3.3	2.8
97.5th percentile	3.4	3.8	2.8	3.5	3.7	3.1

Table 4.11 Mean, SD, median and percentile values for daily **riboflavin** intakes (μg) from all sources and food sources for the total population and by sex and age group

		19-64y	≥65y			
	Total 19-64y <i>n</i> 718	Males n 347	Females n 371	Total $\geq 65y$ <i>n</i> 282	Males n 142	Females n 140
All sources*						
Mean	42.6	50.2	35.7	37.4	39.4	35.5
SD	15.2	15.7	10.7	11.3	11.7	10.6
Median	40.0	47.8	34.2	35.9	37.8	34.1
5th percentile	23.0	28.9	21.0	22.0	23.4	21.2
95th percentile	71.0	79.4	55.5	58.3	61.1	54.7
97.5th percentile	79.4	87.1	60.6	64.6	67.3	60.2
Food sources						
Mean	37.9	45.1	31.3	33.4	36.0	30.9
SD	11.7	11.4	7.2	7.9	8.0	7.0
Median	36.0	43.6	30.6	32.6	35.2	30.3
5th percentile	22.5	29.1	20.9	21.9	24.3	20.8
95th percentile	60.1	66.0	44.3	47.7	50.3	43.3
97.5th percentile	65.7	71.3	47.2	51.2	53.9	46.5

Table 4.12 Mean, SD, median and percentile values for daily total niacin intakes (μ g) from all sources and food sources for the total population and by sex and age group

		19-64y		≥65y		
	Total 19-64y <i>n</i> 718	Males n 347	Females n 371	Total $\geq 65y$ <i>n</i> 282	Males n 142	Females n 140
All sources*						
Mean	2.7	3.1	2.4	2.5	2.6	2.4
SD	1.9	2.1	1.6	1.7	1.7	1.6
Median	2.2	2.6	2.0	2.1	2.2	2.0
5th percentile	0.8	0.9	0.7	0.8	0.8	0.7
95th percentile	6.3	7.1	5.5	5.7	6.0	5.4
97.5th percentile	7.7	8.6	6.6	7.1	7.3	6.6
Food sources						
Mean	1.8	2.2	1.5	1.7	1.9	1.5
SD	0.7	0.7	0.4	0.5	0.5	0.4
Median	1.7	2.1	1.4	1.6	1.8	1.4
5th percentile	1.0	1.2	0.9	1.0	1.1	0.9
95th percentile	3.1	3.5	2.3	2.6	2.8	2.3
97.5th percentile	3.4	3.8	2.5	2.9	3.1	2.5

Table 4.13 Mean, SD, median and percentile values for daily vitamin B6 intakes (μ g) from all sources and food sources for the total population and by sex and age group

		19-64y	≥65y			
	Total 19-64y <i>n</i> 718	Males n 347	Females n 371	Total $\geq 65y$ <i>n</i> 282	Males n 142	Females n 140
All sources*						
Mean	11.5	12.7	10.3	13.4	14.6	12.3
SD	14.4	15.8	12.7	15.7	16.8	14.5
Median	7.2	8.1	6.5	8.6	9.4	7.9
5th percentile	1.4	1.6	1.3	1.8	1.9	1.7
95th percentile	35.2	38.5	31.7	41.1	44.9	36.9
97.5th percentile	47.1	52.0	41.9	56.8	61.2	50.3
Food sources						
Mean	5.5	6.6	4.5	5.8	6.6	5.1
SD	2.7	2.9	2.1	2.6	2.7	2.2
Median	5.1	6.2	4.2	5.4	6.2	4.7
5th percentile	2.0	2.7	1.7	2.3	2.9	2.1
95th percentile	10.6	11.9	8.4	10.7	11.6	9.2
97.5th percentile	12.0	13.3	9.5	12.0	13.0	10.3

Table 4.14 Mean, SD, median and percentile values for daily vitamin B12 intakes (μ g) from all sources and food sources for the total population and by sex and age group

		19-64y		≥65y		
	Total 19-64y <i>n</i> 718	Males n 347	Females n 371	Total $\geq 65y$ <i>n</i> 282	Males n 142	Females n 140
All sources*						
Mean	307	334	282	309	326	294
SD	145	155	131	143	149	135
Median	277	303	256	281	296	268
5th percentile	133	146	124	136	144	131
95th percentile	579	622	529	581	610	546
97.5th percentile	666	715	605	675	705	630
Food sources						
Mean	251	282	223	258	278	240
SD	86.1	88.5	72.9	83.4	86.3	76.1
Median	239	271	213	247	266	230
5th percentile	133	159	122	143	157	135
95th percentile	410	442	356	412	437	378
97.5th percentile	450	486	390	456	481	416

Table 4.15 Mean, SD, median and percentile values for daily total folate intakes (μ g) from all sources and food sources for the total population and by sex and age group

		19-64y			≥65y		
	Total 19-64y	Males	Females	Total ≥65y	Males	Females	
	n 718	n 347	<i>n</i> 371	n 282	n 142	n 140	
All sources*							
Mean	361	390	334	365	381	349	
SD	208	222	189	206	213	197	
Median	312	341	290	318	332	305	
5th percentile	129	141	122	133	139	129	
95th percentile	753	807	695	757	792	718	
97.5th percentile	889	950	813	907	941	852	
Food sources							
Mean	270	306	238	282	303	261	
SD	105	110	88	103	108	94	
Median	253	289	224	265	287	247	
5th percentile	134	159	122	145	160	138	
95th percentile	466	507	401	474	506	433	
97.5th percentile	519	567	445	535	565	484	

Table 4.16 Mean, SD, median and percentile values for daily dietary folate equivalents intakes (μ g) from all sources and food sources for the total population and by sex and age group

		19-64y			≥65y		
	Total 19-64y	Males	Females	Total ≥65y	Males	Females	
	n 718	n 347 n 3	n 371	n 282	n 142	n 140	
All sources*							
Mean	56.5	62.4	51.0	55.8	58.8	52.9	
SD	33.9	36.8	29.9	32.6	34.0	30.9	
Median	48.3	53.9	44.1	48.1	50.8	45.9	
5th percentile	19.4	21.7	18.0	19.6	20.7	18.9	
95th percentile	120	131	108	118	125	111	
97.5th percentile	143	156	127	142	149	132	
Food sources							
Mean	41.2	46.6	36.2	42.4	45.6	39.2	
SD	14.8	15.1	12.5	14.3	14.8	13.0	
Median	39.1	44.6	34.5	40.4	43.7	37.6	
5th percentile	21.0	25.4	19.1	22.7	25.2	21.4	
95th percentile	68.4	74.2	59.2	68.7	72.9	62.9	
97.5th percentile	75.6	81.5	65.1	76.3	80.4	69.4	

Table 4.17 Mean, SD, median and percentile values for daily **biotin** intakes (μ g) from all sources and food sources for the total population and by sex and age group

		19-64y			≥65y		
	Total 19-64y	Males	Females	Total ≥65y	Males	Females	
	n 718	n 347	n 371	n 282	n 142	n 140	
All sources*							
Mean	8.2	9.2	7.2	8.4	8.5	8.4	
SD	4.8	5.3	4.1	4.7	4.7	4.7	
Median	7.0	8.0	6.3	7.4	7.4	7.3	
5th percentile	2.9	3.3	2.6	3.1	3.1	3.1	
95th percentile	17.3	19.2	15.1	17.4	17.6	17.2	
97.5th percentile	20.5	22.5	17.7	20.8	21.0	20.5	
Food sources							
Mean	6.2	7.2	5.2	6.2	6.5	5.9	
SD	2.3	2.5	1.6	2.0	2.0	1.8	
Median	5.7	6.8	5.0	5.9	6.2	5.6	
5th percentile	3.3	4.0	3.0	3.6	3.7	3.4	
95th percentile	10.5	11.8	8.2	9.8	10.3	9.3	
97.5th percentile	11.8	13.1	9.0	10.9	11.4	10.2	

Table 4.18 Mean, SD, median and percentile values for daily pantothenate intakes (mg) from all sources and food sources for the total population and by sex and age group

		19-64y		≥65y		
	Total 19-64y	Males	Females	Total ≥65y	Males	Females
	n 718	n 347	<i>n</i> 371	n 282	<i>n</i> 142	<i>n</i> 140
All sources*						
Mean	137	136	138	134	137	131
SD	116	117	115	110	112	108
Median	104	103	106	103	106	101
5th percentile	26.5	25.6	27.3	27.0	27.5	26.5
95th percentile	354	353	356	344	355	334
97.5th percentile	438	438	436	436	445	418
Food sources						
Mean	80.0	79.4	80.5	86.1	88.1	84.2
SD	41.8	41.4	42.2	43.5	44.2	42.8
Median	72.2	71.8	72.5	78.3	80.1	76.8
5th percentile	27.3	27.3	27.4	30.9	31.6	30.3
95th percentile	159	157	161	169	172	164
97.5th percentile	182	180	183	194	198	189

Table 4.19 Mean, SD, median and percentile values for daily vitamin C intakes (mg) from all sources and food sources for the total population and by sex and age group

		19-64y			≥65y		
	Total 19-64y	Males	Females	Total ≥65y	Males	Females	
	n 718	n 347	n 371	n 282	n 142	n 140	
All sources*							
Mean	2980	3313	2673	3015	3210	2825	
SD	762	746	637	713	719	653	
Median	2904	3252	2615	2951	3149	2773	
5th percentile	1864	2196	1732	1962	2141	1869	
95th percentile	4349	4622	3810	4288	4494	3975	
97.5th percentile	4647	4939	4060	4608	4808	4259	
Food sources							
Mean	2972	3301	2668	3009	3203	2821	
SD	750	730	631	702	706	645	
Median	2903	3247	2614	2951	3148	2774	
5th percentile	1861	2198	1727	1962	2144	1868	
95th percentile	4314	4575	3790	4258	4458	3953	
97.5th percentile	4600	4877	4034	4568	4760	4228	

Table 4.20 Mean, SD, median and percentile values for daily **potassium** intakes (mg) from all sources and food sources for the total population and by sex and age group

		19-64y		≥65y		
	Total 19-64y	Males	Females	Total ≥65y	Males	Females
	n 718	n 347	n 371	n 282	n 142	<i>n</i> 140
All sources*						
Mean	965	1086	854	996	991	1002
SD	394	415	336	379	377	381
Median	900	1026	801	941	934	948
5th percentile	445	523	405	487	482	494
95th percentile	1701	1853	1478	1699	1697	1701
97.5th percentile	1900	2057	1647	1898	1898	1901
Food sources						
Mean	910	1036	795	894	950	839
SD	339	355	277	310	321	289
Median	856	988	755	850	906	801
5th percentile	458	548	417	470	510	448
95th percentile	1540	1689	1306	1467	1546	1366
97.5th percentile	1713	1859	1436	1638	1712	1514

Table 4.21 Mean, SD, median and percentile values for daily calcium intakes (mg) from all sources and food sources for the total population and by sex and age group

		19-64y			≥65y		
	Total 19-64y	Males	Females	Total ≥65y	Males	Females	
	n 718	n 347	n 371	n 282	n 142	<i>n</i> 140	
All sources*							
Mean	11.8	13.0	10.6	10.6	11.2	10.0	
SD	4.7	5.0	4.2	4.1	4.3	3.9	
Median	10.9	12.2	9.9	9.9	10.4	9.4	
5th percentile	5.7	6.5	5.3	5.3	5.6	5.1	
95th percentile	20.6	22.4	18.4	18.3	19.2	17.2	
97.5th percentile	23.2	25.0	20.6	20.8	21.7	19.3	
Food sources							
Mean	10.3	11.6	9.1	9.6	10.3	9.0	
SD	3.1	3.1	2.6	2.7	2.7	2.5	
Median	9.9	11.2	8.8	9.3	10.0	8.8	
5th percentile	5.9	7.1	5.4	5.8	6.3	5.5	
95th percentile	15.9	17.2	13.8	14.5	15.3	13.4	
97.5th percentile	17.3	18.5	14.8	15.8	16.6	14.6	

Table 4.22 Mean, SD, median and percentile values for daily iron intakes (mg) from all sources and food sources for the total population and by sex and age group

	19-64y			≥65y		
	Total 19-64y <i>n</i> 718	Males n 347	Females n 371	Total $\geq 65y$ <i>n</i> 282	Males n 142	Females n 140
All sources*						-
Mean	317	353	284	299	313	286
SD	109	114	93	97	101	92
Median	300	336	270	285	299	273
5th percentile	171	197	158	167	176	161
95th percentile	519	563	457	479	500	454
97.5th percentile	574	618	500	534	553	503
Food sources						
Mean	291	330	256	280	297	264
SD	90.1	91.6	72.5	79.0	81.3	73.0
Median	279	318	247	270	288	255
5th percentile	167	201	154	170	183	162
95th percentile	457	497	389	425	447	395
97.5th percentile	501	537	422	466	487	431

Table 4.23 Mean, SD, median and percentile values for daily magnesium intakes (mg) from all sources and food sources for the total population and by sex and age group

	19-64y			≥65y		
	Total 19-64y <i>n</i> 718	Males n 347	Females n 371	Total $\geq 65y$ <i>n</i> 282	Males n 142	Females n 140
All sources*						
Mean	11.1	12.6	9.8	10.8	11.7	9.9
SD	4.9	5.2	4.1	4.5	4.8	4.1
Median	10.2	11.7	9.0	10.0	10.8	9.2
5th percentile	5.1	6.0	4.7	5.1	5.7	4.9
95th percentile	20.3	22.4	17.4	19.3	20.7	17.5
97.5th percentile	23.1	25.3	19.7	22.2	23.6	19.9
Food sources						
Mean	9.1	10.5	7.8	9.0	9.9	8.1
SD	2.8	2.9	2.1	2.5	2.5	2.1
Median	8.7	10.2	7.6	8.7	9.6	7.9
5th percentile	5.3	6.5	4.9	5.5	6.3	5.2
95th percentile	14.3	15.8	11.6	13.6	14.6	11.9
97.5th percentile	15.8	17.1	12.6	14.8	15.8	13.0

Table 4.24 Mean, SD, median and percentile values for daily zinc intakes (mg) from all sources and food sources for the total population and by sex and age group

	19-64y			≥65y		
	Total 19-64y <i>n</i> 718	Males n 347	Females n 371	Total $\geq 65y$ <i>n</i> 282	Males n 142	Females n 140
All sources*						
Mean	1.2	1.3	1.1	1.1	1.2	1.1
SD	0.4	0.5	0.4	0.4	0.4	0.4
Median	1.1	1.2	1.0	1.0	1.1	1.0
5th percentile	0.6	0.7	0.6	0.6	0.6	0.6
95th percentile	2.0	2.1	1.8	1.8	1.9	1.7
97.5th percentile	2.2	2.4	2.0	2.0	2.1	1.9
Food sources						
Mean	1.1	1.2	1.0	1.0	1.1	1.0
SD	0.3	0.4	0.3	0.3	0.3	0.3
Median	1.1	1.2	1.0	1.0	1.0	0.9
5th percentile	0.6	0.7	0.6	0.6	0.6	0.6
95th percentile	1.7	1.9	1.6	1.6	1.7	1.5
97.5th percentile	1.9	2.0	1.7	1.8	1.8	1.6

Table 4.25 Mean, SD, median and percentile values for daily **copper** intakes (mg) from all sources and food sources for the total population and by sex and age group

	19-64y			≥65y		
	Total 19-64y <i>n</i> 718	Males n 347	Females n 371	Total $\geq 65y$ <i>n</i> 282	Males n 142	Females n 140
All sources*						
Mean	1329	1529	1145	1274	1356	1194
SD	397	391	302	336	342	310
Median	1279	1489	1114	1240	1323	1166
5th percentile	768	955	705	784	855	746
95th percentile	2050	2234	1687	1878	1971	1745
97.5th percentile	2234	2397	1812	2035	2125	1885
Food sources						
Mean	1323	1520	1142	1268	1351	1188
SD	389	380	298	330	334	305
Median	1278	1485	1113	1237	1321	1162
5th percentile	767	955	703	782	856	743
95th percentile	2026	2200	1674	1858	1949	1727
97.5th percentile	2201	2355	1793	2009	2095	1860

Table 4.26 Mean, SD, median and percentile values for daily **phosphorous** intakes (mg) from all sources and food sources for the total population and by sex and age group
	Energy	Protein	Total Fat	Saturated Fat	Carbohydrate	Total Sugars	Dietary Fibre
	%	%	%	%	%	%	%
Meat & meat products	14.3	32.3	18.4	17.0	4.1	2.8	7.7
Bread & bread products	12.4	10.7	4.8	3.8	21.3	5.0	22.0
Grains, rice, pasta & savouries	7.4	6.7	5.1	4.1	10.6	1.5	8.3
Sugars, confectionery, preserves & savoury snacks	7.3	2.4	8.0	8.1	9.4	15.8	4.7
Biscuits, cakes & pastries	7.2	3.0	8.6	10.2	8.7	9.6	6.0
Beverages	6.8	2.7	1.0	1.9	5.3	11.1	0.6
Milk & yogurt including non-dairy alternatives	6.6	9.2	7.0	10.9	5.8	13.1	1.4
Fruit & fruit juices	5.5	2.3	2.0	1.6	10.1	21.7	11.6
Breakfast cereals	5.3	4.0	3.4	3.2	7.6	4.3	8.4
Potatoes & potato products	4.5	2.1	3.6	2.7	6.9	1.1	8.2
Vegetables & vegetable dishes inlcuding meat alternatives	4.1	4.5	3.8	2.3	4.6	6.0	15.1
Soups & sauces	3.5	1.4	6.4	3.9	2.1	3.3	2.2
Cheeses including non-dairy alternatives	2.8	4.2	5.6	9.1	0.2	0.2	0.1
Fish & fish dishes	2.8	6.7	3.4	2.3	0.8	0.4	0.9
Eggs & egg dishes	2.8	4.4	5.3	4.4	0.1	0.1	0.2
Butter & spreading fats	2.5	0.1	6.8	8.3	0.0	0.1	0.0
Creams, icecreams & chilled desserts	1.9	0.8	2.7	4.0	1.9	3.3	0.5
Nuts, seeds, herbs & spices	1.9	1.5	3.7	1.8	0.5	0.5	1.8
Nutritional supplements	0.5	1.2	0.3	0.4	0.2	0.2	0.3

Table 4.27 Contribution of food groups (%) to mean daily intakes of energy, macronutrients and dietary fibre in adults aged 19-64 years

	Energy	Protein	Total Fat	Saturated Fat	Carbohydrate	Total Sugars	Dietary Fibre
	%	%	%	%	%	%	%
Meat & meat products	14.3	33.3	18.3	16.8	3.3	2.1	5.3
Bread & bread products	13.1	11.2	4.9	3.8	22.6	5.1	24.1
Milk & yogurt including non-dairy alternatives	8.8	12.2	9.8	14.9	7.6	17.4	1.3
Biscuits, cakes & pastries	8.7	3.0	10.2	11.6	10.7	11.4	6.0
Breakfast cereals	7.4	5.8	4.7	4.2	10.5	4.7	11.7
Fruit & fruit juices	6.0	2.2	1.9	1.3	11.6	24.9	13.0
Potatoes & potato products	5.9	2.9	4.0	3.3	9.3	1.7	10.0
Beverages	5.5	2.4	0.8	1.5	2.8	5.5	0.3
Sugars, confectionery, preserves & savoury snacks	4.7	1.3	4.4	5.1	6.6	12.6	2.9
Vegetables & vegetable dishes including meat alternatives	3.9	4.0	3.4	2.0	4.7	7.1	18.0
Fish & fish dishes	3.5	8.1	5.2	3.2	0.6	0.3	0.6
Butter & spreading fats	3.5	0.1	9.6	10.6	0.1	0.1	0.0
Grains, rice, pasta & savouries	3.3	2.5	1.8	1.3	5.1	0.5	3.0
Cheeses including non-dairy alternatives	2.5	3.6	5.1	7.7	0.1	0.2	0.0
Creams, icecreams & chilled desserts	2.3	0.9	3.0	4.4	2.4	4.0	0.5
Eggs & egg dishes	2.3	3.8	4.4	3.6	0.1	0.1	0.1
Soups & sauces	2.3	0.7	4.6	2.9	1.4	2.0	0.9
Nuts, seeds, herbs & spices	1.9	1.6	3.8	1.6	0.4	0.4	2.1
Nutritional supplements	0.2	0.3	0.1	0.0	0.1	0.1	0.1

Table 4.28 Contribution of food groups (%) to mean daily intakes of energy, macronutrients and dietary fibre in adults aged ≥65 years

	Vitamin A	Vitamin D	Vitamin E	Thiamin	Riboflavin	Niacin	Vitamin B6	Pantothenate	Biotin	Vitamin B12	Total folate	DFE*	Vitamin C
	%	%	%	%	%	%	%	%	%	%	%	%	%
Meat & meat products	10.8	17.6	8.9	16.1	12.2	31.5	24.1	19.2	8.4	19.9	7.3	6.8	6.8
Bread & bread products	0.7	0.6	2.5	12.8	4.1	9.5	5.0	6.0	3.9	0.5	11.2	10.5	0.1
Grains, rice, pasta & savouries	2.6	2.0	4.4	5.3	2.9	5.3	2.5	5.1	3.4	3.2	3.6	3.5	1.8
Sugars, confectionery, preserves & savoury snacks	1.2	0.1	6.6	1.5	3.3	2.0	2.5	2.2	2.7	2.6	1.9	1.7	1.3
Biscuits, cakes & pastries	2.9	1.1	7.8	2.8	2.1	2.6	1.7	2.9	3.7	1.4	2.5	2.6	1.0
Beverages	2.3	4.0	0.1	1.0	9.7	9.4	8.0	7.7	21.7	2.9	8.8	8.3	2.8
Milk & yogurt including non-dairy alternatives	8.1	9.7	4.1	5.1	19.4	4.1	5.0	13.8	10.0	21.3	8.2	8.3	5.7
Fruit & fruit juices	2.6	0.3	5.5	9.2	3.8	2.8	10.4	5.9	5.8	0.4	7.6	7.1	26.3
Breakfast cereals	1.4	6.0	4.0	9.5	8.8	4.8	5.8	5.1	6.4	5.6	7.8	9.3	1.0
Potatoes & potato products	1.1	0.2	3.2	6.6	1.3	2.2	4.0	3.9	0.7	0.4	4.8	4.5	8.2
Vegetables & vegetable dishes inlcuding meat alternatives	25.5	0.1	10.4	7.9	4.4	3.7	6.4	5.1	4.3	0.5	14.7	13.8	25.2
Soups & sauces	6.8	0.3	9.6	3.3	1.6	1.3	2.4	1.5	1.1	1.0	2.1	2.1	1.8
Cheeses including non-dairy alternatives	7.7	1.4	0.9	0.3	3.0	2.5	1.1	1.1	1.5	5.6	1.8	1.7	0.0
Fish & fish dishes	1.6	10.0	4.5	2.5	2.0	6.4	3.3	2.7	1.7	10.7	1.3	1.2	0.8
Eggs & egg dishes	6.5	13.5	5.7	1.5	6.1	2.5	2.0	4.8	8.8	9.6	3.9	3.7	0.8
Butter & spreading fats	6.8	2.6	3.7	0.0	0.2	0.0	0.5	0.0	0.0	0.6	0.4	0.6	0.0
Creams, icecreams & chilled desserts	3.6	0.9	1.6	0.6	1.8	0.5	0.4	1.1	0.8	1.2	0.4	0.4	0.2
Nuts, seeds, herbs & spices	0.2	0.0	4.0	1.7	0.7	1.5	1.1	1.0	3.7	0.0	1.1	1.0	0.0
Nutritional supplements	7.5	29.7	12.7	12.3	12.8	7.5	13.8	10.6	11.3	12.4	10.5	12.9	16.2

Table 4.29 Contribution of food groups (%) to mean daily vitamin intakes in adults aged 19-64 years

	Vitamin A	Vitamin D	Vitamin E	Thiamin	Riboflavin	Niacin	Vitamin B6	Pantothenate	Biotin	Vitamin B12	Total folate	DFE*	Vitamin C
	%	%	%	%	%	%	%	%	%	%	%	%	%
Meat & meat products	7.2	12.4	7.0	16.0	11.9	33.0	25.0	17.7	7.3	20.4	6.2	5.8	4.5
Bread & bread products	0.6	1.0	3.4	12.9	4.4	11.4	6.7	6.6	5.0	0.6	11.7	11.1	0.2
Milk & yogurt including non-dairy alternatives	10.4	8.5	7.0	6.8	26.2	6.0	7.9	19.6	13.8	28.5	11.7	12.0	7.9
Biscuits, cakes & pastries	2.8	0.9	10.0	2.5	1.5	2.6	1.5	2.7	4.1	1.0	1.8	1.7	0.6
Breakfast cereals	1.6	7.3	5.0	13.5	11.0	6.8	8.5	6.4	9.5	7.6	10.3	12.5	1.3
Fruit & fruit juices	2.2	0.0	5.9	9.9	3.6	3.2	12.0	6.1	5.2	0.0	8.3	7.8	28.7
Potatoes & potato products	1.8	0.2	3.7	9.6	1.4	2.8	4.6	5.6	0.8	0.8	6.1	5.7	11.0
Beverages	1.0	3.3	0.0	0.6	10.2	6.1	4.8	7.0	24.5	0.4	10.1	9.4	2.5
Sugars, confectionery, preserves & savoury snacks	0.8	0.0	3.7	0.7	1.8	1.1	1.0	1.1	1.5	1.4	0.9	0.8	1.5
Vegetables & vegetable dishes including meat alternatives	34.6	0.1	12.4	7.8	4.2	3.9	7.1	5.5	4.3	0.2	15.1	14.1	27.8
Fish & fish dishes	1.6	12.8	6.0	2.6	2.3	7.9	3.3	3.3	1.9	11.9	0.9	0.9	0.3
Butter & spreading fats	8.6	3.4	6.3	0.0	0.3	0.0	0.6	0.0	0.0	0.6	0.4	0.6	0.0
Grains, rice, pasta & savouries	0.6	0.5	2.1	1.8	0.8	2.3	1.1	1.3	1.0	0.9	1.2	1.1	0.3
Cheeses including non-dairy alternatives	5.7	0.6	0.9	0.3	2.3	2.1	0.9	0.8	1.1	4.3	1.3	1.3	0.0
Creams, icecreams & chilled desserts	3.2	0.8	1.5	0.8	2.0	0.6	0.5	1.4	0.9	1.4	0.5	0.4	0.3
Eggs & egg dishes	4.6	9.4	4.8	1.1	4.7	2.1	1.5	3.9	7.0	7.0	2.9	2.7	0.4
Soups & sauces	4.5	0.2	6.5	1.5	0.9	0.6	1.3	0.6	0.5	0.6	1.3	1.3	0.8
Nuts, seeds, herbs & spices	0.2	0.0	3.8	1.4	0.5	1.2	1.0	0.8	3.2	0.0	1.0	0.9	0.1
Nutritional supplements	7.9	38.6	10.0	10.3	10.1	6.4	10.8	9.5	8.4	12.4	8.2	9.9	11.8

Table 4.30 Contribution of food groups (%) to mean daily vitamin intakes in adults aged ≥65 years

	Sodium	Potassium	Calcium	Iron	Magnesium	Zinc	Copper	Phosphorus
	%	%	%	%	%	%	%	%
Meat & meat products	22.7	15.8	5.0	17.3	11.9	24.3	12.0	20.3
Bread & bread products	19.3	5.8	16.3	15.4	9.8	9.4	13.1	10.4
Grains, rice, pasta & savouries	6.1	3.5	5.9	5.7	5.5	6.8	7.5	6.5
Sugars, confectionery, preserves & savoury snacks	3.6	4.0	3.1	3.7	3.8	2.6	5.4	3.0
Biscuits, cakes & pastries	4.8	2.6	3.6	5.5	3.7	2.8	5.7	3.6
Beverages	3.1	14.1	6.3	5.7	13.8	4.0	8.9	6.8
Milk & yogurt including non-dairy alternatives	5.0	10.3	25.0	1.7	7.8	9.5	1.9	13.8
Fruit & fruit juices	0.9	10.5	2.8	4.0	7.4	1.8	8.7	2.6
Breakfast cereals	2.1	3.8	5.7	9.9	6.6	5.5	5.7	6.4
Potatoes & potato products	1.4	9.5	1.2	3.5	5.0	2.2	5.5	2.8
Vegetables & vegetable dishes inlcuding meat alternatives	5.4	9.8	5.1	8.4	6.8	5.4	8.4	5.0
Soups & sauces	8.8	2.7	1.4	2.5	2.1	1.5	2.5	1.6
Cheeses including non-dairy alternatives	5.0	0.5	9.0	0.4	1.3	4.9	0.6	5.3
Fish & fish dishes	4.4	3.1	1.4	2.3	2.8	2.4	2.2	4.3
Eggs & egg dishes	3.8	1.5	2.0	4.6	1.3	3.6	1.7	4.0
Butter & spreading fats	2.0	0.1	0.1	0.0	0.0	0.0	0.0	0.1
Creams, icecreams & chilled desserts	0.6	0.8	1.6	1.0	0.8	0.7	1.0	1.1
Nuts, seeds, herbs & spices	0.4	1.4	0.8	2.1	3.8	2.2	4.3	2.0
Nutritional supplements	0.5	0.2	3.8	6.3	5.7	10.3	4.6	0.3

Table 4.31 Contribution of food groups (%) to mean daily mineral intakes in adults aged 19-64 years

	Sodium	Potassium	Calcium	Iron	Magnesium	Zinc	Copper	Phosphorus
	%	%	%	%	%	%	%	%
Meat & meat products	22.6	14.0	3.8	18.2	11.4	27.1	11.1	19.5
Bread & bread products	23.3	6.3	16.1	17.4	11.6	10.7	14.9	11.7
Milk & yogurt including non-dairy alternatives	7.3	13.2	31.4	2.1	10.4	12.7	1.7	18.8
Biscuits, cakes & pastries	6.2	2.7	3.6	6.3	3.8	3.0	6.4	3.9
Breakfast cereals	3.3	5.0	7.2	14.1	9.7	8.2	8.4	9.0
Fruit & fruit juices	0.9	11.4	2.6	4.9	7.7	1.8	10.1	2.6
Potatoes & potato products	1.5	11.7	1.6	4.1	6.5	2.8	6.6	3.4
Beverages	2.1	13.1	3.3	4.9	12.4	3.3	11.0	4.6
Sugars, confectionery, preserves & savoury snacks	1.6	2.0	1.9	2.3	2.2	1.6	3.4	1.7
Vegetables & vegetable dishes including meat alternatives	4.9	10.8	4.8	8.6	7.0	4.7	8.3	5.0
Fish & fish dishes	4.5	3.4	1.8	2.3	2.9	2.6	2.0	5.2
Butter & spreading fats	3.3	0.1	0.1	0.0	0.0	0.1	0.1	0.1
Grains, rice, pasta & savouries	2.5	1.1	1.7	2.3	2.4	2.6	3.5	2.3
Cheeses including non-dairy alternatives	4.7	0.4	7.5	0.3	1.1	4.0	0.6	4.3
Creams, icecreams & chilled desserts	0.8	1.1	1.9	0.8	1.0	0.9	1.1	1.4
Eggs & egg dishes	3.0	1.2	1.5	3.9	1.1	2.8	1.4	3.3
Soups & sauces	6.9	1.4	0.8	1.4	1.0	0.7	1.3	0.9
Nuts, seeds, herbs & spices	0.3	1.2	0.8	2.3	3.8	2.1	3.9	1.9
Nutritional supplements	0.2	0.1	7.4	3.7	3.9	8.5	4.2	0.4

Table 4.32 Contribution of food groups (%) to mean daily mineral intakes in adults aged ≥65 years

		19-64y		
	Total	Males	Females	Total
Weight (kg)				
n	711	344	367	281
Mean	77.5	84.9	70.6	76.6
SD	16.6	14.2	15.6	19.5
Median	76.0	83.1	68.5	74.2
5th Percentile	53.9	65.8	51.0	52.0
95th Percentile	106	112	99.7	114
Height (cm)				
n	716	346	370	282
Mean	1.71	1.78	1.65	1.66
SD	0.10	0.07	0.08	0.11
Median	1.71	1.78	1.65	1.66
5th Percentile	1.55	1.68	1.53	1.50
95th Percentile	1.88	1.90	1.76	1.83
BMI (kg/m2)				
n	710	343	367	281
Mean	26.4	26.7	26.2	27.6
SD	5.2	4.1	6.1	6.8
Median	25.5	26.1	24.9	26.6
5th Percentile	19.8	20.9	19.2	20.2
95th Percentile	35.0	33.9	36.5	41.3

Table 5.1 Mean, SD, median and percentile values of anthropometric measurements 1

 sex and age group

*Excludes 9 missing values

Table 5.2 Percentage of the population in each BMI category † by sex and age group

		19-64y			≥65y	
	Total 19-64y	Males	Females	Total ≥65y	Males	Females
	n 710	n 343	n 367	n 281	n 141	n 140
Underweight (%)	1.5	0.7	2.1	0.8	0.0	1.6
Normal (%)	42.4	36.4	48.0	37.9	33.7	42.0
Overweight (%)	35.3	42.5	28.7	39.6	40.2	39.1
Obese (%)	20.8	20.3	21.2	21.6	26.1	17.4
Class I obesity (%)	15.9	16.8	15.0	12.7	16.3	9.3
Class II obesity (%)	3.8	3.4	4.3	3.7	2.1	5.2
Class III obesity (%)	1	0.1	1.9	5.2	7.7	2.9

*Excludes 9 missing values

[†] World Health Organisation (WHO). (2010). *A healthy lifestyle - WHO recommendations* [Online]. Geneva: Switzerland.

Town of A stimites		19-64	у			≥65y	/
Type of Activity	n	Median	IQR		п	Mediar	ı IQR
Total Population	714			-	280		
Moderate Intensity Physical Activites		13.5	7.5-21.4			12.2	6.0-18.0
Vigorous Intensity Physical Activites		0.5	0.5-2.4			0.0	0.0-0.7
Males	344				141		
Moderate Intensity Physical Activites		13.5	7.5-24.1			13.2	6.4-18.9
Vigorous Intensity Physical Activites		1.2	0.0-3.4			0.0	0.0-1.0
Females	370				139		
Moderate Intensity Physical Activites		13.2	7.2-20.3			11.3	5.7-16.3
Vigorous Intensity Physical Activites		0.2	0.0-1.4			0.0	0.0-0.4

Table 6.1 Median amount of time (hours/week) spent in moderate and vigorous physical activities in adults in Ireland for the total population and by sex and age group

*Excludes 6 missing values

Table 6.2 Median amount of time (hours/week) spent in sedentary behaviours in adults in Ireland for the total population and by sex and age group

Town of A dividu		19-6	4y		≥65	5y
Type of Activity	п	Median	IQR	n	Median	IQR
Total Population	714			280		
Sedentary Behaviour		38.1	25.3-55.7		28.0	20.5-37.0
of which recreational screen time (TV, tablets, laptop)		23.0	16.0-30.0		26	17.5-35.0
Males	344			141		
Sedentary Behaviour		41.1	27.2-58.7		30.0	21.0-42.0
of which recreational screen time (TV, tablets, laptop)		23.0	15.8-30.0		27.0	17.5-35.0
Females						
Sedentary Behaviour	370	36.7	24.7-52.6	139	26.4	19.0-35.0
of which recreational screen time (TV, tablets, laptop)		23.0	16.0-31.0		25.5	17.5-34.8

*Excludes 6 missing values

		19	-64y		\geq	65y
Energy Expenditure Domain	n	Median	IQR	n	Median	IQR
Total Population	714			280		
Overall Energy Expenditure		64.3	50.1-89.8		45.1	32.6-62.3
of which						
Home Energy Expenditure		24.4	17.1-33.2		23.6	15.4-31.0
Occupational Energy Expenditure		15.2	6.6-33.8		0.0	0.0-0.0
Recreational Energy Expenditure		16.1	8.5-28.6		15.4	8.9-27.9
Males	344			141		
Overall Energy Expenditure		66.7	51.4-96.3		42.6	32.8-63.1
of which						
Home Energy Expenditure		20.9	14.6-29.7		21.2	12.6-28.5
Occupational Energy Expenditure		18.4	9.9-44.6		0.0	0.0-3.0
Recreational Energy Expenditure		19.4	9.1-32.0		15.6	9.9-30.1
Females	370			139		
Overall Energy Expenditure		63.5	49.0-83.6		47.1	31.9-60.5
of which						
Home Energy Expenditure		27.9	20.3-37.0		26.2	19.5-34.1
Occupational Energy Expenditure		12.4	4.5-28.8		0.0	0.0-0.0
Recreational Energy Expenditure		14.8	7.7-23.1		15.4	7.8-24.3

*Excludes 6 missing values