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ESTIMATION OF FOOD AND NUTRIENT INTAKES FROM FOOD PURCHASE DATA IN SCOTLAND

2001-2015

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This work was carried out using LCFS data from the UK Data Archive, University of Essex (<u>http://www.data-archive.ac.uk/</u>), which was provided ahead of it becoming publically available by the UK Data Archive by Defra and ONS. Additional variables on sampling and income were provided by ONS, and SIMD data were obtained from Scottish Neighbourhood Statistics.

Executive Summary

Introduction

In 2013, Revised Dietary Goals for Scotland were published, updating the 1996 Scottish Dietary Targets. These goals encompassed recommendations for intakes of both foods and nutrients, similar to those in the original targets regarding fruit and vegetables, oily fish, total fat, saturated fat, sugar (NMES), and salt. However, goals were added with regard to red meat, energy, energy density, trans fatty acids, and fibre as non-starch polysaccharides (NSP).

Progress towards the goals is monitored using a combination of surveys, but principally via secondary analysis of the Living Costs and Food Survey (LCFS) data from 2001 to date, following the endorsement of the 2004 Working Group Report on Monitoring Scottish Dietary Targets which concluded that it was the most appropriate method for Scotland. Other Scottish surveys that collect data on dietary intake, such as the Scottish Health Survey, do not provide data suitable for monitoring the goals.

The results provided in this report support work by Food Standards Scotland and the Scottish Government to facilitate improvements to the diet in Scotland to help reduce the burden of obesity and diet-related disease.

Objective

The purpose of this work was to obtain robust estimates of food consumption and nutrient intakes for 2013 to 2015 in Scotland in order to continue to monitor progress toward the 2013 Scottish Dietary Goals. More specifically, the aims were to calculate the results for the years 2013 to 2015, and to assess differences in food consumption and nutrient intakes over time and by Scottish Index of Multiple Deprivation (SIMD) quintile. Furthermore, the main contributors to intakes of energy, fat, saturated fat, NMES and NSP were explored.

Methods

LCFS data for each year, in its raw form, was obtained from Defra and the UK Office for National Statistics (ONS) (prior to it being made publicly available on the UK Data Archive, University of Essex). Data on sampling methodology were obtained from ONS who also mapped SIMD quintiles to the data. Food consumption and nutrient intake in Scotland calculated in the previous reports was updated by the addition of the years 2013 to 2015. Analysis was also carried out by SIMD quintile for the period of 2013 to 2015. Adjustments were made to allocate the correct proportion of each food to the appropriate food group and for waste. In addition, the contribution that food groupings made to intakes of energy, fat, saturated fat, NMES and NSP were also explored. Data were analysed weighting to the Scottish population and taking account of sampling methods. Results are presented as population means (i.e. including consumers and non-consumers) for household and eating out foods combined.

Key Findings for 2001-2003 to 2013-2015: Scottish Dietary Goals

- There was little progress towards meeting the 2013 Scottish Dietary Goals over the 15 year period. This lack of
 progress was apparent even amongst households in the least deprived areas.
- Fruit and vegetable consumption did not change between 2001-2003 and 2013-2015.
- Oil rich fish consumption did not change.
- Total red and processed meat consumption reduced over the 15 year period, and average consumption met the goal.
- Energy density of the diet has increased.
- Total fat intake did not change but saturated fat intake (as a percentage of food energy) reduced, however mean
 intakes of both total and saturated fat remain higher than the goals.
- NMES intake (as a percentage of food energy) reduced, however mean intake remains considerably higher than the goal.
- In 2013-2015, households in the most deprived areas consumed significantly less fruit and vegetables, oil rich fish and fibre than households in the least deprived areas, but there was no difference in the consumption of red and processed meat by deprivation category. However, intakes of fruit and vegetables, oil rich fish and fibre remain considerably lower than the goals for all SIMD quintiles.
- There was no difference in the energy density of the diet or in total fat, saturated fat or NMES intakes by level of deprivation.
- Where a difference existed between households in the least and most deprived areas, there was no evidence to suggest that the gap in intake had changed compared to previous years.

Mean food and nutrient intakes in relation to the Scottish Dietary Goals from 2001 to 2015

| Food / Nutrient | Scottish Dietary Goal | 2001- 2 2003 2 | | Change between 2001-2003 and 2013-2015 ¹ | Highest consumption by SIMD in 2013-2015 ¹² | |
|----------------------------------|--|-------------------|------|---|--|--|
| Energy density (kcal/100g) | Average energy density of the diet to be lowered to 125 kcal/100g | 171 | 175 | 1 | No Difference | |
| Fruit and Vegetables (g/day) | At least 5 portions per person per day (> 400 g/day) | 256 | 258 | No Change | Least Deprived | |
| Oil rich fish (g/week) | Increase to one portion per person (140g) per week | 29 | 29 | No Change | Least Deprived | |
| Red Meat (g/day) | Average intake of red and processed meat to be pegged at around 70g per person per day | 65 | 56 | \downarrow | No Difference | |
| Fat (% food energy) | ≤35% food energy | 38.8 | 39.3 | No Change | No Difference | |
| Saturated Fat (% food energy) | ≤11% of food energy | 15.6 | 15.3 | \downarrow | No Difference | |
| Sugar (% food energy) | NMES ³ to reduce to less than 11% of food energy in children and adults | 15.7 | 14.3 | \downarrow | No Difference | |
| Fibre (g/day) | Increase in average consumption of fibre ⁴ to 18g/day | 12 | 12 | No Change | Least Deprived | |

¹Based on P-value for Linear Association ≤ 0.010 ; ²SIMD = Scottish Index of Multiple Deprivation; ³Non-milk extrinsic sugars - sugars, excluding those in milk and milk products that are not incorporated into the cellular structure of foods, such as fruit and vegetables e.g. sugar released from fruit when it is blended or juiced, table sugar, honey and a dded sugar in cakes, biscuit, sweets, breakfast cereals and soft drinks; ⁴Non starch polysaccharide (NSP) as measured by Englyst method.

Key Findings for 2001-2003 to 2013-2015: Additional Foods and Drinks Indicative of Diet Quality

- Total bread consumption decreased, however brown/wholemeal bread, high fibre and total breakfast cereal consumption remained fairly constant.
- Consumption of discretionary foods such as cakes, sweet biscuits, and confectionery remained fairly constant.
- Sugar containing soft drinks consumption decreased from 245g/day to 156g/day, and consumption of sugar free soft drinks increased, but not at the same rate.
- Bacon and ham consumption remained fairly constant, but consumption of other processed red meat products including savoury pies decreased significantly.
- **Total spread** consumption decreased, however this was due to a reduction in low fat spread consumption as butter and margarine consumption increased.
- Total milk consumption decreased.
- White fish consumption decreased by almost 20g per week.
- Fresh potato consumption decreased by 20g per day.
- Processed potato and savoury snack consumption did not change.
- Nut consumption increased.
- In 2013-2015, households in the most deprived areas consumed significantly less brown/wholemeal bread, breakfast cereal, skimmed milk, cheese, cream, white fish and nuts than households in the least deprived areas, and more sugar containing soft drinks, processed red meat products (with the exception of bacon and ham) and whole milk.

Key Findings: Contribution of Foods to Intakes of Energy, Fat, Saturated Fat, and NMES

- Discretionary foods that are high in sugar and fat, namely sweet biscuits; confectionery; crisps and savoury snacks; cakes, pastries and puddings; and sugar sweetened beverages are significant contributors to energy in the diet. Sweet biscuits, in particular are one of the top five contributors to energy, fat, saturated fat and NMES.
- These five food groupings contribute almost 20% of energy, fat and saturated fat intakes and more than 50% of NMES intake.
- Significant reductions were found between 2001-2003 and 2013-2015 in the percentage contribution of processed red meat, bread and rolls, and milk to energy intake; processed red meat and milk to fat and saturated fat intake, and sugar containing soft drinks and sugar to NMES intake due to consumption of these foods and drinks reducing.
- Between 2001-2003 and 2013-2015, sweet biscuits contributed less to saturated fat intake and more to NMES intake, both in terms of absolute weight and percentage contribution.
- The contributions of total processed red meat, sugar containing soft drinks, whole milk, and processed potatoes to intakes of energy, fat, saturated fat, NMES and/or NSP were greater in the most deprived, whereas the contributions of total fruit and vegetables; total breakfast cereal; other baked goods; cream; nuts; jam, marmalade, honey and sweet spreads; and unprocessed fish to these nutrients were greater in the least deprived.

| | Weight g | Energy kcal (%) | Fat g (%) | Saturated Fat g (%) | NMES g (%) |
|------------------------------|-------------|--------------------|--------------|------------------------|---------------|
| Sweet Biscuits | 21.6 | 103 (5.3) | 4.9 (5.9) | 2.5 (7.7) | 5.7 (8.0) |
| Total Confectionery | 21.2 | 92.2 (4.7) | 3.7 (4.5) | 2.0 (6.3) | 12.8 (17.9) |
| Crisps and Savoury Snacks | 13.4 | 67.1 (3.4) | 3.8 (4.5) | 0.5 (1.6) | 0.02 (0.02) |
| Cakes, Pastries and Puddings | 16.5 | 59.7 (3.1) | 2.8 (3.3) | 1.2 (3.7) | 4.4 (6.2) |
| Sugar Containing Soft Drinks | 156 | 57.0 (2.9) | Nil | Nil | 14.9 (20.8) |
| Total | | 379 (19.4) | 15.2 (18.2) | 6.2 (19.3) | 37.8 (52.9) |

Mean contribution of selected discretionary foods and drinks to energy, fat, saturated fat and NMES intake in 2013-2015 (intake (percentage) per person per day)

Conclusion

A robust standardised methodology, used to calculate food and nutrient intakes on a population basis over a fifteenyear period, has allowed comparisons to be made over time, enabling a clear assessment of any dietary change. As with previous monitoring of the Scottish diet, little change has been found since 2001. Clear differences between households in the least and most deprived areas continue to be apparent in food consumption for the period 2013 to 2015. This work continues to be an important part of Food Standards Scotland's dietary surveillance programme.

Contents

| Acknowledgementsi |
|---|
| Executive Summaryii |
| Contents vii |
| List of Tablesix |
| List of Figuresxi |
| List of Abbreviations Usedxii |
| Explanatory note on some terms used in the report |
| 1. Background1 |
| 2. Methodology |
| 2.1 Monitoring Scottish Dietary Goals and additional foods and drinks indicative of diet quality4 |
| 2.1.1. Overview |
| 2.1.2 Coding Frames and Conversion Factors |
| 2.1.3 Data Handling |
| 2.2 Contribution of foods to intakes of energy and selected nutrients |
| 2.3 Analysis of Data5 |
| 3. Results |
| 3.1 Monitoring Scottish Dietary Goals and additional foods and drinks indicative of diet quality |
| 3.1.1 Food Consumption Relating to the 2013 Scottish Dietary Goals7 |
| 3.1.1.1 Food Consumption Relating to the Scottish Dietary Goals by Year |
| 3.1.1.2 Food Consumption Relating to the 2013 Scottish Dietary Goals by SIMD Quintile (2013-2015) 9 |
| 3.1.2 Nutrient Intake Relating to the 2013 Scottish Dietary Goals |
| 3.1.2.1 Nutrient Intake Relating to the 2013 Scottish Dietary Goals by Year |
| 3.1.2.2 Nutrient Intake Relating to the Scottish Dietary Goals by SIMD Quintile (2013-2015) |
| 3.1.3 Consumption of Additional Foods and Drinks Indicative of Diet Quality |
| 3.1.3.1 Food Consumption by Year |
| 3.1.3.2 Food Consumption by SIMD |
| 3.2 Contribution of Foods to Intakes of Energy, Fat, Saturated Fat, NMES and Fibre |
| 3.2.1 Differences in Contributing Foods over Time |
| 3.2.2 Differences in Contributing Foods over Time by SIMD |

| 4. | Discussion | . 43 |
|----|--|------|
| | Appendix 1: Further Detail on Methodology of Monitoring Work | . 52 |
| | Appendix 2: Advantages and Disadvantages of the LCFS | . 57 |
| | Appendix 3: Monitoring Scottish Dietary Goals and Additional Foods and Drinks Indicative of Diet Quali | ity |
| | Coding Frame | . 59 |
| | Appendix 4: Energy Density Coding Frame | . 82 |
| | Appendix 5: Defra Food Codes with Recommended Estimates of Edible Food Waste | . 91 |
| | Appendix 6: Flowchart of Data Handling Process for Monitoring Work | 101 |
| | Appendix 7: Food Groupings Used for Contributing Foods Analysis ¹ | 102 |
| | Appendix 8: Breakdown of Food Groupings by Food Code for Contributing Foods Analysis | 104 |
| | Appendix 9: Slope Index of Inequality and Relative Index of Inequality | 119 |
| | Appendix 10: Mean Food Consumption and Nutrient Intake Results by Year | 124 |

List of Tables

| Table 1: Revised Dietary Goals for Scotland (Scottish Government, 2013) 1 |
|---|
| Table 2: Mean Consumption ¹ of 2013 Scottish Dietary Goal Foods by Year, 2001 to 2015 - EFS / LCFS data (g/person/day with the exception of fish: g/person/week) 8 |
| Table 3: Mean Consumption1 of 2013 Scottish Dietary Goal Foods by SIMD Quintile, 2013 to 2015 Combined- LCFS data (g/person/day, with the exception of fish g/person/week) |
| Table 4: Mean Intake ¹ of 2013 Scottish Dietary Goal Nutrients by Year, 2001 to 2015 – EFS / LCFS data (units/person/day) |
| Table 5: Mean Intake ¹ of Energy and Macronutrients by Year, 2001 to 2015 – EFS / LCFS data (units/person/day) |
| Table 6: Mean Intake ¹ of 2013 Scottish Dietary Goal Nutrients by SIMD, 2013 to 2015 Combined - LCFS data (units/person/day) |
| Table 7: Mean Intake ¹ of Energy and Macronutrients by SIMD, 2013 to 2015 Combined - LCFS data (units/person/day) |
| Table 8: Mean Consumption1 of Additional Foods and Drinks Indicative of Diet Quality by Year (Table A), 2001to 2015 - EFS / LCF data (g/person/day) |
| Table 9: Mean Consumption1 of Additional Foods and Drinks Indicative of Diet Quality by Year (Table B), 2001to 2015 - EFS/ LCF data (g/person/day) |
| Table 10: Mean Consumption1 of Additional Foods and Drinks Indicative of Diet Quality by SIMD (Table A),2013 to 2015 Combined - LCFS data (g/person/day) |
| Table 11: Mean Consumption1 of Additional Foods and Drinks Indicative of Diet Quality by SIMD (Table B),2013 to 2015 Combined - LCFS data (g/person/day) |
| Table 12: Mean contribution of foods providing more than 1% of energy (2001-2015 data) |
| Table 13: Mean contribution of foods providing more than 1% of fat (2001-2015 data) |
| Table 14: Mean contribution of foods providing more than 1% of saturated fat (2001-2015 data) |
| Table 15: Mean contribution of foods providing more than 1% of NMES (2001-2015 data) |
| Table 16: Mean contribution of foods providing more than 1% of NSP (2001-2015 data) |
| Table 17: Mean contribution to energy from selected foods ¹ by SIMD (LCFS Household and Eating Out Data for 2013 to 2015 combined) 38 |
| Table 18: Mean contribution to fat from selected foods ¹ by SIMD (LCF Household and Eating Out Data for 2013 to 2015 combined) |
| Table 19: Mean contribution to saturated fat from selected foods1 by SIMD (LCF Household and Eating OutData for 2013 to 2015 combined) |
| Table 20: Mean contribution to NMES from selected foods ¹ by SIMD (LCF Household and Eating Out Data for 2013 to 2015 combined) |
| Table 21: Mean contribution to NSP from selected foods ¹ by SIMD (LCF Household and Eating Out Data for 2013 to 2015 combined) |

Table 22: Mean food and nutrient intakes in relation to the Scottish Dietary Goals from 2001 to 2015...... 43

| Table 23: Mean contribution of selected discretionary foods and drinks to energy, fat, sat | urated fat and NMES |
|--|---------------------|
| intake in 2013-2015 (intake (percentage) per person per day) | 44 |

List of Figures

| Figure 1: Mean [95% CI] fruit ¹ and vegetable ² consumption by SIMD quintile compared to the 2013 Scottish Dietary Goal (>400g/day) |
|--|
| Figure 2: Mean [95% CI] oil rich fish consumption by SIMD quintile compared to the 2013 Scottish Dietary Goal (140g/week) |
| Figure 3: Mean [95% CI] total red meat ¹ consumption by SIMD quintile compared to the 2013 Scottish Dietary Goal (≤70g/day) |
| Figure 4: Mean [95% CI] energy density (food and milk) by SIMD quintile compared to the 2013 Scottish Dietary Goal (125 kcal/100g) |
| Figure 5: Mean [95% CI] fat intake by SIMD quintile compared to the 2013 Scottish Dietary Goal (≤35% food energy) |
| Figure 6: Mean [95% CI] saturated fat intake by SIMD quintile compared to the 2013 Scottish Dietary Goal (≤11% food energy) |
| Figure 7: Mean [95% CI] NMES intake by SIMD quintile compared to the 2013 Scottish Dietary Goal (≤11% food energy) |
| Figure 8: Mean [95% CI] NSP intake by SIMD quintile compared to the 2013 Scottish Dietary Goal (18g/day) |
| Figure 9: Mean [95% CI] sugar-containing soft drink consumption by SIMD quintile |

List of Abbreviations Used

| Defra | Department of the Environment, Food and Rural Affairs |
|--------|---|
| EFS | Expenditure and Food Survey |
| g | gram |
| HH | Household |
| kcal | kilocalorie |
| LCFS | Living Costs and Food Survey |
| MJ | Megajoule = 1000 kilojoules |
| n | number |
| NDNS | National Diet and Nutrition Survey |
| NFS | National Food Survey |
| NMES | Non-Milk Extrinsic Sugar |
| NSP | Non-Starch Polysaccharides |
| ONS | Office for National Statistics |
| Р | People |
| PP | Per Person |
| PW | People Weighted |
| RII | Relative Index of Inequality |
| SACN | Scientific Advisory Committee on Nutrition |
| SDG | Scottish Dietary Goal |
| SDT | Scottish Dietary Target |
| SHeS | Scottish Health Survey |
| SII | Slope Index of Inequality |
| SIMD | Scottish Index of Multiple Deprivation |
| UK | United Kingdom |
| WRAP | Waste and Resource Action Programme |
| 95% CI | 95% Confidence Interval |
| > | greater than |
| < | less than |
| % | percent / percentage |
| | |

Explanatory note on some terms used in the report

| Confidence Interval (CI) | A range of values that, it is estimated includes a population statistic at a |
|--|--|
| and | specific level of confidence. The 95% confidence interval (95% CI) of the |
| 95% Confidence Interval (95% CI) of the Mean | mean refers to the range of values 2 standard errors above and 2 standard errors below the mean. There is only a 5% chance that this range excludes the true mean of the population. The 95% confidence |
| | interval (CI) calculates the region around the mean where the true figure is likely to be. The narrower the confidence interval about the observed mean the more reliable it is. |
| Food Energy | The energy obtained from food and drink (excluding alcohol). |
| Mean | The mean intake is calculated by summing all intakes and dividing by the total number of people in the sample. Therefore it is moderated by the high and/or low consumers. When there are non-consumers in the sample (i.e. those with an intake = 0) the population average must take these into account. The 95% CI calculates the region around the mean |
| | where the true figure is likely to be. The narrower the 95% CI of the observed mean the more reliable it is. |
| Median | The median is the middle value of a set of figures, i.e. for an odd number of cases the median is the middle score. For an even number of cases the median is the average of the two middle scores. For normally distributed data the mean equals the median. The interquartile range represents 25% of values either side of the median. |
| | Data on food consumption and nutrient intake in a population is not usually normally distributed, some intakes will be very high or very low e.g. vitamin C or oil rich fish. For this reason it is more meaningful to give median food consumption and nutrient intake and to show interquartile ranges. This allows the proportion of low (e.g. for fruit and vegetables) or high consumers (e.g. for NMES) to be placed relative to the goal. Due to the nature of the LCFS data it is not possible to produce reliable medians. |
| Non-Milk Extrinsic Sugars (NMES) | Sugars, excluding those in milk and milk products that are not incorporated into the cellular structure of foods, such as fruit and vegetables e.g. sugar released from fruit when it is blended or juiced, table sugar, honey and added sugar in cakes, biscuit, sweets, breakfast cereals and soft drinks. |
| Percentage Food Energy (% Food Energy) | The percentage of food energy (the energy obtained from food and drink (excluding alcohol)) intake derived from a macronutrient i.e. fat, carbohydrate or protein. |
| Quintile | The portion of a frequency distribution containing one fifth of the total sample. For example the first quintile is the point with 1/5 of the data below it and 4/5 above it. |
| Scottish Index of Multiple Deprivation (SIMD) | The Scottish Index of Multiple Deprivation (SIMD) 2004, 2006, 2009 and 2012 identifies the most deprived areas across Scotland. It is based on indicators within seven individual domains of Current Income, Employment, Housing, Health, Education, Skills & Training, Geographic Access to Services & Telecommunications and Crime (which was added in 2006). SIMD is presented at data zone level, enabling small pockets of deprivation to be identified. The data zones are ranked from most deprived (1) to least deprived (6505) on the overall SIMD 2004 and on each of the individual domains. The 6505 data areas are ranked according to level of deprivation; these are then usually split into deciles with 1 being most deprived and 10 being most affluent. In this report the deciles have been combined to give quintiles. Thus Quintile 1 combines the most deprived deciles 1 and 2. SIMD 2004 was used for the analysis of data from 2001-2006, SIMD 2012 was used for the analysis of data from 2007-2009 and SIMD 2012 was used for the analysis of data from 2010-2015. |

| Sodium Sodium chloride is the chemical name for salt. 100 millin is equivalent to the Scottish Dietary Goal of 6g of salt b advice. Significant The term significant refers to statistical significance (at the It is not intended to imply substantive importance. | based on SACN | | | |
|--|-------------------|--|--|--|
| advice. Significant The term significant refers to statistical significance (at the term significant refers to statistical significance) | | | | |
| Significant The term significant refers to statistical significance (at t | he 95% level). | | | |
| 0 0 1 | ne 95% level). | | | |
| It is not intended to imply substantive importance. | | | | |
| | | | | |
| Takeaway FoodsAny food bought for consumption within the home | | | | |
| household purchases. This includes for example, fish a | | | | |
| through brought home; home deliveries of: pizza, Chin | nese and Indian | | | |
| meals (Defra, 2009). | | | | |
| UK Data Archive The UK Data Archive is a centre of expertise in d | | | | |
| preservation, dissemination and promotion and is curate | | | | |
| collection of digital data in the social sciences and huma | | | | |
| Years For the purposes of this report, for ease of understand | ing, dates have | | | |
| been presented in the text as single years: | | | | |
| | | | | |
| 2001 = 2001/2002, which refers to April 2001 to March 2 | 2002 | | | |
| 2002 = 2002/2003, which refers to April 2002 to March 2 | 2003 | | | |
| 2003 = 2003/2004, which refers to April 2003 to March 2 | 2004 | | | |
| 2004 = 2004/2005, which refers to April 2004 to March 2 | 2005 | | | |
| 2005 = 2005/2006, which refers to April 2005 to March 2 | 2006 | | | |
| 2006 onwards = refers to Jan to Dec of the year in quest | tion | | | |
| From 2006 the EFS moved from a financial year to a calendar | | | | |
| As a consequence of this the January to March 2006 data are | | | | |
| in the 2005/2006 and the 2006 results. Removing the du | uplicated quarter | | | |
| from one of the years (2005/2006 or 2006) would have | led to a smaller | | | |
| sample for the year in question which may have not been | n representative | | | |
| and may have been skewed due to seasonal purchases | | | | |
| Periods 2001-2003 or 1 st period = 2001/2002 - 2003/2004, whic | h refers to April | | | |
| 2001 to March 2004 | - | | | |
| 2004-2006 or 2 nd period = 2004/2005 - 2006, which ref | fers to refers to | | | |
| April 2004 to December 2006 | | | | |
| 2007-2009 or 3rd period refers to January 2007 to Decen | nber 2009 | | | |
| 2010-2012 or 4 th period refers to January 2010 to Decen | nber 2012 | | | |
| 2013-2015 or 5 th period refers to January 2013 to Decen | | | | |

1. Background

1.1 The Scottish Dietary Goals

In 1996, Scottish Dietary Targets (SDTs) were set as part of the Scottish Diet Action Plan (Scottish Office, 1996) in response to a report published by the Scottish Office in 1993 which highlighted the need for "radical change in Scotland...to achieve the health targets for 2000" (Scottish Office, 1993). These targets were based on the UK Dietary Reference Values (Department of Health, 1991) for selected nutrients (total fat, saturated fatty acids, salt, sugar as non-milk extrinsic sugars (NMES) and total complex carbohydrates) and also included key foods (fruit and vegetables, bread, breakfast cereals, white fish and oil rich fish). The baseline figures used in the setting of these targets were derived mainly from the National Food Surveys of 1989-1991 and were an indication of food and nutrient intake at that time. The SDTs were originally intended for achievement in 2005, but the timescale was extended to 2010 (Scottish Executive, 2003, Scottish Executive, 2004).

In 2013, Revised Dietary Goals for Scotland were published, updating the previous SDTs to "indicate the direction of travel, and assist policy development to reduce the burden of obesity and diet-related disease in Scotland" and to help to "facilitate improvements in the Scottish diet" (Scottish Government, 2013). These goals encompassed recommendations for intakes of both foods and nutrients, similar to those in the original SDTs regarding fruit and vegetables, oily fish, total fat, saturated fat, NMES, and salt. However, targets for consumption of bread, breakfast cereal and white fish were removed, and goals were added with regard to red meat, energy, energy density, trans fatty acids, and fibre as non-starch polysaccharides (NSP) (**Table 1**).

| Calories | A reduction in calorie intake by 120 kcal/person/day* | | | | |
|--------------------|--|--|--|--|--|
| | Average energy density of the diet to be lowered to 125 kcal/100g by reducing intake of high fat and/or sugary products and by replacing with starchy carbohydrates (e.g. bread, | | | | |
| | | | | | |
| | pasta, rice and potatoes), fruits and vegetables | | | | |
| Fruit & Vegetables | Average intake of a variety of fruit and vegetables to reach at least 5 portions per person | | | | |
| | per day (>400g per day) | | | | |
| Oily Fish | Oil rich fish consumption to increase to one portion per person (140g) per week | | | | |
| Red Meat | Average intake of red and processed meat to be pegged at around 70g per person per day | | | | |
| | Average intake of the very highest consumers of red and processed meat (90g per person | | | | |
| | per day) not to increase* | | | | |
| Fats | Average intake of total fat to reduce to no more than 35% food energy | | | | |
| | Average intake insaturated fat to reduce to no more than 11% food energy | | | | |
| | Average intake of trans fatty acids to remain below 1% food energy st | | | | |
| Sugar | Average intake of NMES 1 to reduce to less than 11% of food energy in children and adults | | | | |
| Salt | Average intake of salt to reduce to 6g per day* | | | | |
| Fibre | An increase in a verage consumption of fibre ² to increase to $18g/day$ by increasing | | | | |
| | consumption of wholegrains, pulses and vegetables | | | | |

Table 1: Revised Dietary Goals for Scotland (Scottish Government, 2013)

*Not monitored using data from the LCFS; ¹NMES (Non-milk Extrinsic Sugars) are also known as added or free sugars and are found in sweets, biscuits, soft drinks, added to breakfast cereals, table sugar, honey and fruit juice. They are not in milk or integrally present in the cells of food such as fruit and vegetables; ²Non-starch polysaccharide (NSP) as measured by Englyst method.

1.2 Monitoring Progress towards the Scottish Dietary Goals

Progress towards the goals is monitored using a combination of surveys, but principally using the secondary analysis of the Living Costs and Food Survey (LCFS), following the endorsement of the Working Group Report on Monitoring Scottish Dietary Targets who concluded that it was the most appropriate method for Scotland (Food Standards Agency in Scotland, 2004). Other surveys that collect data on dietary intake include the Scottish Health Survey (SHeS) (McLean *et al.*, 2017) and the UK National Diet and Nutrition Survey (NDNS) (Bates *et al.*, 2016, Bates *et al.*, 2014b, Public Health England and Food Standards Agency, 2014, Roberts *et al.*, 2018), however neither survey provides annual data suitable for monitoring the goals.

Secondary analysis of the LCFS, (known as the Expenditure and Food Survey (EFS) before 2008) has monitored trends in population food and nutrient intakes from 2001. Previous reports describe the monitoring of progress towards the SDTs and additional foods and drinks indicative of diet quality (further foods from the Scottish Diet report (Scottish Office, 1993)) from 2001-2006 (Barton *et al.*, 2010), 2001 to 2009 (Barton and Wrieden, 2012) and energy density (Wrieden and Barton, 2011), and 2001-2012 (Wrieden and Barton, 2015). This current report updates previous reports, with the inclusion of data from 2013 to 2015, monitoring progress towards the 2013 Scottish Dietary Goals (which were the goals that were applicable for this time period). It also includes an update of consumption data, for 2001 to 2015, of foods shown to be significant contributors to energy, fat, saturated fat, NMES and NSP in a further report by Barton and Wrieden (2015).

1.3 Monitoring Progress towards Preventing Overweight and Obesity

The prevalence of overweight and obesity in adults aged 16 years and over in Scotland rose from 62% in 1995 to 65% in 2016, although the level has remained fairly constant since 2008 (McLean *et al.*, 2017). Despite this, Scotland still has one of the highest prevalence rates of overweight and obesity in Europe (World Obesity Federation, 2018). Obesity increases the risk of chronic conditions such as type 2 diabetes, hypertension, cardiovascular disease, certain cancers and osteoarthritis(World Health Organisation, 2003).

In 2017, the Scottish Government consulted with a wide range of stakeholders regarding proposed actions to improve diet and physical activity in Scotland (Scottish Government, 2017a). These proposals were partly informed by experience of implementing the Obesity Route Map (Scottish Government, 2010). The route map outlined a range of preventative actions covering energy consumption, food product reformulation, portion sizes, stocking policies, pricing, packaging, and advertising with the aim to reduce the rising obesity levels in order to avoid the massive burden of health and social care costs. Progress towards these actions is monitored through a set of 16 indicators and associated desired outcomes, with this secondary analysis of the LCFS used to monitor the indicators of fat, saturated fat and NMES intake.

The importance of healthy weight and tackling obesity has been identified as a priority in the Government's Programme for Scotland (Scottish Government, 2017b). Therefore, the results presented in this report will continue to support work by Food Standards Scotland and the Scottish Government to facilitate improvements to the diet in Scotland to help reduce the burden of obesity and diet-related disease.

1.4 Purpose

The purpose of this work was to obtain robust estimates of food consumption and nutrient intakes for 2013 to 2015 in Scotland in order to monitor progress toward the 2013 Scottish Dietary Goals (which were the goals that were applicable for this time period) and any change in the consumption of additional foods and drinks indicative of diet quality. Results are presented for 2001 to 2015 for the population and by Scottish Index of Multiple Deprivation (SIMD) quintiles for 2013-2015. In addition, the main contributors to intakes of energy, fat, saturated fat, NMES and NSP intakes were explored in order to inform Food Standards Scotland and Scottish Government policy and further explain differences in the intake of some foods by deprivation which do not necessarily translate into differences in nutrient intakes.

2. Methodology

2.1 Monitoring Scottish Dietary Goals and additional foods and drinks indicative of diet quality

2.1.1. Overview

The methodology reported by Barton *et al.* (2010) and Wrieden *et al.* (2014) (summarised below) was used to calculate mean food consumption, nutrient intake and energy density from LCFS data for 2013 to 2015 in order that comparisons could be made with results from previous years. LCFS data for each year, in its raw form, was obtained from UK and the Office for National Statistics (ONS) (prior to it being made publically available on the UK Data Archive, University of Essex). Population average intakes of foods, nutrients and energy density relating to the 2013 Scottish Dietary Goals and additional foods and drinks indicative of diet quality, were estimated based on household purchases. Full details on the methodology can be found in **Appendix 1**, and the advantages and disadvantages of using data from the LCFS are provided in **Appendix 2**.

2.1.2 Coding Frames and Conversion Factors

The detailed coding frames (**Appendices 3 and 4**) used in this analysis were developed previously by Barton *et al.* (2010) and Wrieden and Barton (2011), for both household and eating out food purchases. They list foods/drinks (and codes) which form part of each food based dietary goal or food group of interest (**Appendix 3**) or are included within the food and milk method of calculating energy density (**Appendix 4**) and provide details of conversion factors applied to the food weights. Conversion factors were applied to food purchases to estimate the actual amount of each food that was consumed. They were applied (to each food code) to estimate the proportion of fruit, vegetable, meat etc. in a composite food; the proportion of food in a food grouping (where it bridges more than one food grouping); to convert a raw to cooked weight (where appropriate); and to account for the proportion of inedible waste. Estimates of edible waste for the UK population published by WRAP (2008) have been mapped by Defra to each of the food codes used in the LCFS (**Appendix 5**). Inedible waste (i.e. bone) was taken into account when calculating the conversion factor for each food code (**Appendices 3 and 4**).

2.1.3 Data Handling

Appendix 6 provides a flowchart which illustrates the data handling process for data from each year (in MS Access, MS Excel and SPSS), which were then merged in SPSS to obtain one working data file. Data on sampling strata and clusters, and SIMD quintiles were obtained from the UK ONS, with data on SIMD quintiles by postcode initially obtained from Scottish Neighbourhood Statistics and sent to ONS to link to anonymised case IDs.

In brief, for estimating food consumption, in MS Access the raw LCFS data was linked to a table constructed from the coding frame which listed each food grouping, each food within these groupings and the appropriate conversion and waste factors to be applied to the calculations. Household and eating out purchases for two weeks, minus waste, for each food code were multiplied by the appropriate conversion factor and summed by food grouping. This was then divided by the number of individuals in the household and divided by 14 to obtain

the mean daily consumption per person, except for oily fish consumption, which is expressed as a weekly intake.

For estimating nutrient intake, in MS Access, household purchase data minus waste for each food code was multiplied by the appropriate nutrient content per gram (annual nutrient databanks provided by Defra) to provide the nutrient intake per food. The food composition data included within this databank originates from the NDNS, with each of the Defra food codes having at least one NDNS composition code. Where more than one NDNS code was required to make up a food type from the EFS/LCFS, a weighted average nutrient composition was calculated based on market share estimates. The nutrient composition data was supplied to Defra by the FSA for 2001-2009 and by the Department of Health and Public Health England for 2010 onwards. Household, eating out and combined nutrient intakes for foods were then summed for each household. These were then divided by the number of individuals in the household and divided by 14 to obtain the mean daily intake per person for each nutrient. Energy density for food and milk was calculated using the methodology developed by Wrieden *et al.* (2014) and quintiles of energy density were calculated in SPSS by year (to negate any difference in energy density quintile over time).

Food and nutrient data were exported from MS Access to SPSS and merged with household variables as described in **Appendix 1**.

2.2 Contribution of foods to intakes of energy and selected nutrients

As per section 2.1.3, household purchase data over two weeks minus estimated waste (Appendix 5) for each food code was multiplied by the appropriate nutrient content per gram (provided by Defra) in MS Access to obtain the nutrient intake per food for each household. These intakes were then divided by the number of individuals in the household and divided by 14 to obtain the mean daily nutrient intake per person for each food. The food groupings described by (Barton and Wrieden, 2015) were used in the current analysis with the exception that it was decided that confectionery and sweet biscuits should be considered separately, therefore the current analysis was for 65 food groupings and 7 combined groups (Appendices 7 and 8). As this work considered foods as consumed, these food groupings are broad and are different to those used for the monitoring analysis in that they do not consider the different components of composite dishes / items. For example the 'total processed red meat' group includes the carbohydrate component for some items (e.g. pastry) and the 'fruit and vegetable' group does not include the vegetable component of composite dishes (e.g. Bolognese, pizza etc.). Mean daily intakes per person of each of the food groupings were calculated and the resultant data was exported to SPSS. In order to calculate mean population intakes it was also necessary to add information on zero intake for non-consumers of foods per household (as described by Barton et al., (2015)). The contribution that each food grouping made to energy, fat, saturated fat, NMES and NSP intake was then calculated.

2.3 Analysis of Data

Due to the multi-staged stratified sampling procedure of the LCFS, data were analysed using Descriptive Statistics and General Linear Models within the Complex Samples module of SPSS, version 25 (SPSS Inc., Chicago, IL, USA). Sampling of the EFS/LCFS is designed in such a way to ensure that the results are

representative of the population of the UK (Bulman *et al.*, 2017) and each of the survey regions, of which Scotland is one. The data were weighted according to the sampling methodology (of the original data collected by ONS (Office for National Statistics, 2017) to reduce the effect of non-response bias and to ensure that data were representative of the population) in order that estimates obtained more accurately reflected that of the Scottish population and household composition. The weights were produced in two stages: firstly the data were weighted to compensate for non-response (sample-based weighting) and secondly the sample distribution was weighted so that it matched the population distribution in terms of region, age group and sex (population based weighting) (Department for Environment Food & Rural Affairs (Defra), 2013). The weights were provided by Defra.

Linear associations between food consumption/ nutrient intake/ energy density and year or SIMD quintile were assessed by general linear modelling which was used to obtain estimates of the means with 95% confidence intervals (95% CI) and associated p-values. Overall associations between food consumption/ nutrient intake/ energy density, and year or SIMD quintile were assessed by adjusted Wald tests. The adjusted Wald test was used within regression analyses to test whether the value for all years or SIMD categories were equal or whether there was at least one difference between year or SIMD quintile. P-values ≤0.01 are highlighted in bold to indicate significance at the 1% level.

In addition, for the monitoring work, the Slope Index of Inequality (SII) was calculated as a measure of absolute inequality (ScotPHO, 2007) of food consumption and nutrient intake, i.e. the absolute difference between the least and most deprived individuals. The SII was derived by ranking each household by SIMD (within the 3 year period SIMD was investigated within i.e. 2001-2003, 2004-2006, 2007-2009, 2010-2012 and 2013-2015). The rank scores obtained were divided by the sample size (for the appropriate 3 year period) to obtain a value between 0 and 1, weighted to the relative distribution across SIMD quintiles. Linear regression analysis (weighted least squares) of the mean intake within each SIMD quintile was used to calculate the SIIs for each food / nutrient. The SII is the resulting regression (or slope) coefficient from the regression analysis. For interpretation purposes, the SII is the mean difference in intake between the hypothetically most deprived relative to the hypothetically least deprived person in the population (Shaw *et al.*, 2007).

In order to compare a measure of inequality across populations or years, the relative index of inequality (RII) was calculated, which is the SII divided by the overall population mean food consumption or nutrient intake. This helps when making comparisons of the magnitude of the association between the same socio-economic position measures over time.

For both SII and RII, the underlying assumption is that there is a linear gradient across the deprivation variable. A positive SII indicates that consumption / intake is higher in the least deprived and a negative figure indicates that consumption / intake is greatest in the most deprived. Further detail is provided in **Appendix 9**.

3. Results

3.1 Monitoring Scottish Dietary Goals and additional foods and drinks indicative of diet quality

Results are presented as population per capita means (i.e. including consumers and non-consumers) for household and eating out foods combined, in g per day for foods and drinks with the exception of fish, which is expressed in g per week. Comparison is made against the 2013 Scottish Dietary Goals (where appropriate) as these were the goals that were applicable for the 2013-2015 data added in this report. P-values ≤ 0.01 are highlighted in bold to indicate significance at the 1% level, although it should be noted that changes or differences that are statistically significant might not necessarily be nutritionally meaningful.

Mean food consumption and nutrient intakes relating to the Scottish Dietary Goals (**Table 1**) and additional foods, drinks and nutrients indicative of diet quality are presented in three year blocks from 2001-2003 through to 2013-2015. Data on individual years from 2001 through to 2015 is presented in **Appendix 10** (see explanatory notes for further details on sampling years – pages xiii and xiv). Food consumption and nutrient intakes for Scotland are also presented for combined years' data from the LCFS by SIMD quintile. Data from 2013 to 2015 are combined and presented by quintiles of the SIMD distribution, with quintile 1 representing the most deprived fifth of the population and quintile 5 the least deprived. Results tables with data by SIMD quintile also provide SII and RII figures with 95% confidence intervals (95% CI). **Appendix 9** presents these figures for 2001-2003, 2004-2006, 2007-2009, 2010-2012 and 2013-2015 together to allow for a comparison to be made over time of absolute and relative differences.

3.1.1 Food Consumption Relating to the 2013 Scottish Dietary Goals

3.1.1.1 Food Consumption Relating to the Scottish Dietary Goals by Year

Fruit and Vegetables

Between 2001-2003 and 2013-2015 there was no significant change in consumption of fruit and vegetables (including fruit and vegetable juices and baked beans). Mean consumption of fruit and vegetables for 2013-2015 was 258g/day (**Table 2**). This equates to just over three portions per day and is considerably lower than the 2013 goal of at least 400g or five portions per day. Inclusion of fruit juice increased fruit and vegetable consumption figures by the equivalent of half a portion per day but the proportion of fruit to fruit juice remained similar over the time period.

Mean fruit and vegetable consumption remains almost two portions below the '5 a day' population goal.

There was no significant increase in fruit and vegetable consumption over the 15-year period to 2015.

Oil Rich Fish

The Scottish Dietary Goal for oil rich fish was not met by 2013-2015 and there was no significant change in consumption since 2001-2003. Mean consumption for both 2001-2003 and 2013-2015 was 29g/week (**Table 2**), which is considerably less than the goal of 140g/week.

There was no significant change in oil rich fish consumption between 2001-2003 and 2013-2015.

Total Red Meat

There has been a significant reduction in the consumption of total red meat since 2001-2003. Mean daily consumption of total red meat has decreased from 65g in 2001-2003 to 56g in 2013-2015 (**Table 2**) (P-value for linear association <0.001). This was partly accounted for by a fall in processed red meat products (which includes the meat portion of sausages, meat pies, corned beef, burgers and pate and is a component of total red meat). It should be noted that the Scottish Dietary Goal of ≤70g per day is based on intake calculated from the UK NDNS and not household purchase data. Due to methodological differences between surveys, the amounts presented in this report, although similar, should only be used to assess change over time rather than assessing progress against the absolute amount.

There was a significant reduction in total red meat consumption between 2001-2003 and 2013-2015.

The population is meeting the Scottish Dietary Goal for total red meat consumption.

Table 2: Mean Consumption¹ of 2013 Scottish Dietary Goal Foods by Year, 2001 to 2015 - EFS / LCFS data (g/person/day with the exception of fish: g/person/week)

| Food ² | Scottish | 2001-2003 | 2004-2006 ³ | 2007-2009 | 2010-2012 | 2013-2015 | P-value for | P-value for |
|--|---------------|---------------|------------------------|---------------|---------------|---------------|-----------------------|------------------------|
| | Dietary Goal | Mean | Mean | Mean | Mean | Mean | Linear Association | Overall Association |
| | | 95% CI | 95% CI | 95% CI | 95% CI | 95% CI | | |
| Fruit and Vegetables ^{4, 5} | >400g per day | 256 | 276 | 285 | 268 | 258 | | |
| | | 243, 269 | 262, 289 | 268, 301 | 256, 279 | 245, 271 | 0.799 | 0.017 |
| Fruit ⁴ | | 133 | 147 | 154 | 140 | 129 | / . | |
| | | 123, 142 | 138, 156 | 143, 166 | 133, 148 | 121, 138 | 0.346 | 0.002 |
| Fruit (and vegetable) Juice | | 43 | 45 | 47 | 44 | 37 | 0.108 | 0.085 |
| | | 38, 47 | 40, 50 | 42, 52 | 38, 50 | 32, 42 | | |
| Vegetables⁵ | | 123 | 129 | 130 | 128 | 129 | 0.301 | 0.486 |
| | | 118, 128 | 123, 135 | 123, 137 | 121, 134 | 122, 135 | | |
| Oil Rich Fish | 140g per week | 29 | 35 | 29 | 29 | 29 | | |
| | | 25, 32 | 29, 41 | 26,33 | 26, 33 | 25, 34 | 0.545 | 0.271 |
| Total Red Meat ⁶ | ≤70g perday | 65 | 61 | 61 | 61 | 56 | | |
| | | 63,67 | 58,64 | 58,64 | 58,64 | 53, 59 | <0.001 | <0.001 |
| n Households | | 1750 | 1733 | 1537 | 1436 | 1266 | | |
| n People n People Weighted ⁷ | | 4022 14934 | 3979 14792 | 3373 15364 | 3181 15337 | 2825 15679 | | |

¹Household and eating out consumption combined; ²See appendices 1 & 3 for methodology; ³From 2006 the EFS moved from a financial year to a calendar year basis. As a consequence of this the January to March 2006 data are duplicated in the 2004-2006 results; ⁴Fruit includes fruit and vegetable juice; ⁵Vegetables include baked beans; ⁶Meat portion only (includes processed red meat products e.g. sausages, meat pies, burgers, and pate); ⁷The results are weighted to the Scottish population - the number provided is approximately 1000th of the Scottish population

3.1.1.2 Food Consumption Relating to the 2013 Scottish Dietary Goals by SIMD Quintile (2013-2015) *Fruit and Vegetables*

Table 3 and **Figure 1** show a clear gradient in fruit and vegetable consumption by SIMD quintile. In the most deprived quintile (Quintile 1), mean daily consumption was 208g compared with 301g in the least deprived quintile (Quintile 5) for 2013 to 2015. This linear trend was highly significant (P<0.001).

Two and a half portions per day of fruit and vegetables were consumed in the most deprived fifth of the population compared to almost four portions per day in the least deprived fifth.

Oil Rich Fish

Consumption of oil-rich fish was highest in the least deprived quintile (Quintile 5) for 2013 to 2015, with a mean weekly consumption of 36.7g compared to 20g in the most deprived quintile (Quintile 1) (P-value for linear association <0.001) (Table 3, Figure 2).

Households in the most deprived fifth of the population were on average consuming around half the amount of oil rich fish of those in the least deprived fifth.

Total Red Meat

There was no significant difference in total red meat consumption by SIMD quintile (**Table 3**, **Figure 3**), with mean intakes in all quintiles meeting the 2013 Scottish Dietary Goal of \leq 70g/day.

There was no difference in mean total red meat consumption by SIMD quintile.

Absolute and Relative Inequality

Analysis by SII and RII confirm the above differences by SIMD (for fruit and vegetables, oil rich fish and total red meat), in absolute and relative terms. **Appendix 9** provides the results of the SII and RII analysis over time showing that there has been no significant change in inequalities and that absolute and relative inequalities in food intakes have not changed appreciably between 2001 and 2015. The magnitude of the inequalities is substantial for some foods, e.g. fruit and vegetables where the difference between the most and least deprived is the equivalent of one and a half portions per day.

| Food ² | 2013 Scottish Dietary Goal | SIMD Quintile 1* | SIMD Quintile 2 | SIMD Quintile 3 | SIMD Quintile 4 | SIMD Quintile 5* | P-value for Linear Association | P-value for Overall Association | SII ^{3,4} ** 95% CI | RII ⁴ *** 95% CI |
|-------------------------------------|-------------------------------|---------------------|--------------------|--------------------|--------------------|---------------------|--------------------------------------|---------------------------------------|---------------------------------|--------------------------------|
| | | Mean | Mean | Mean | Mean | Mean | | | | |
| | | 95% Cl | 95% CI | 95% CI | 95% CI | 95% CI | | | | |
| Fruit and Vegetables ^{5,6} | >400g | 208 | 201 | 281 | 282 | 301 | 0.004 | 0.004 | 131 | 0.51 |
| | perday | 182, 235 | 179, 223 | 252, 309 | 261,303 | 280, 321 | <0.001 | <0.001 | 91, 172 | 0.35, 0.67 |
| Fruit ³ | | 95.4 | 94.9 | 141 | 142 | 161 | .0.004 | .0.001 | 89 | 0.68 |
| | | 83.1, 108 | 80.0, 110 | 122, 160 | 128, 156 | 141, 182 | <0.001 | <0.001 | 59, 118 | 0.46, 0.91 |
| Fruit (and vegetable) Juice | | 26.2 | 28.9 | 38.3 | 37.5 | 49.8 | .0.004 | 0.001 | 28 | 0.75 |
| | | 18.6, 33.8 | 23.0, 34.7 | 28.4, 48.1 | 28.9, 46.2 | 41.7, 57.8 | <0.001 | | 16, 39 | 0.44, 1.06 |
| Vegetables ⁶ | | 113 | 106 | 139 | 140 | 139 | 0.004 | 0.004 | 43 | 0.33 |
| | | 93.1, 132 | 94.9, 117 | 125, 153 | 128, 151 | 125, 154 | 0.001 | <0.001 | 2.0,66 | 0.16, 0.51 |
| Oil Rich Fish | 140g per week | 20.0 | 21.2 | 32.0 | 34.0 | 36.7 | 0.000 | 0.027 | 23 | 0.77 |
| | | 12.4, 27.6 | 14.9, 27.6 | 23.1,40.9 | 26.3, 41.6 | 26.9, 46.6 | 0.003 | 0.037 | 8.2, 37 | 0.28, 1.27 |
| Total Red Meat ⁷ | ≤70g per day | 60.0 | 56.9 | 53.6 | 59.3 | 50.6 | 0.424 | 0 1 1 7 | -7.8 | -0.14 |
| | | 51.9,68.1 | 51.6, 62.2 | 45.4,61.8 | 54.2, 64.4 | 45.7, 55.5 | 0.134 | 0.117 | -18, 2.5 | -0.32, 0.04 |
| n Households | | 221 | 255 | 258 | 269 | 263 | | | 1266 | 1266 |
| n People | | 459 | 556 | 568 | 631 | 611 | | | 2825 | 2825 |
| n People Weighted ⁸ | | 2515 | 3075 | 3131 | 3588 | 3370 | | | 15679 | 15679 |

Table 3: Mean Consumption¹ of 2013 Scottish Dietary Goal Foods by SIMD Quintile, 2013 to 2015 Combined - LCFS data (g/person/day, with the exception of fish g/person/week)

n People Weighted[®] 2515 3075 3131 3588 3370 15679 ¹Household and eating outconsumption combined; ²See appendices 1 & 3 for methodology; ³Mean difference in intake (g/person/day with the exception of fish g/person/week) in the most deprived relative to the least deprived (slope of the gradient between the most deprived and the least deprived); ⁴A positive figure indicates that consumption / intakes are highest in the least deprived and a negative figure indicates that consumption/intakes are highest in the most deprived; ⁵Fruit includes fruit and vegetable juice; ⁶Vegetables include baked beans; ⁷Meat portion only (includes processed red meat products e.g. sausages, meat pies, burgers, and pate); ⁸The results are weighted to the Scottish population - the number provided is approximately 1000th of the Scottish population; *Scottish Index of Multiple Deprivation (SIMD) Quintiles: 1=Most Deprived; *5=Least Deprived; ** SII=Slope Index of Inequality; ***RII=Relative Index of Inequality

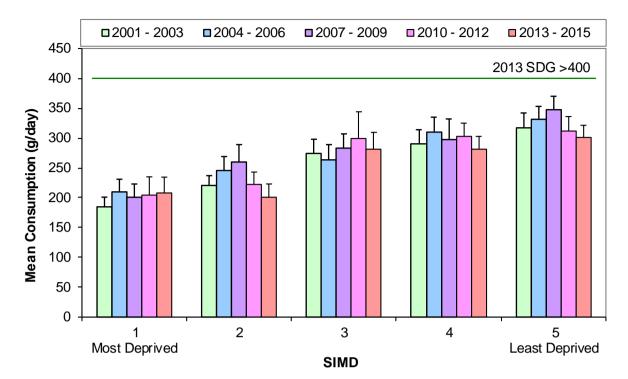
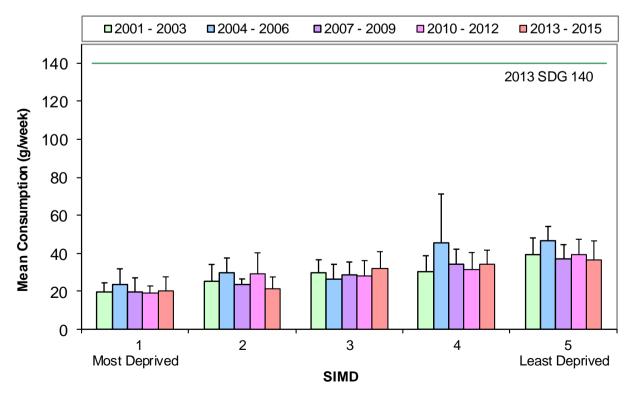


Figure 1: Mean [95% CI] fruit¹ and vegetable² consumption by SIMD quintile compared to the 2013 Scottish Dietary Goal (>400g/day)

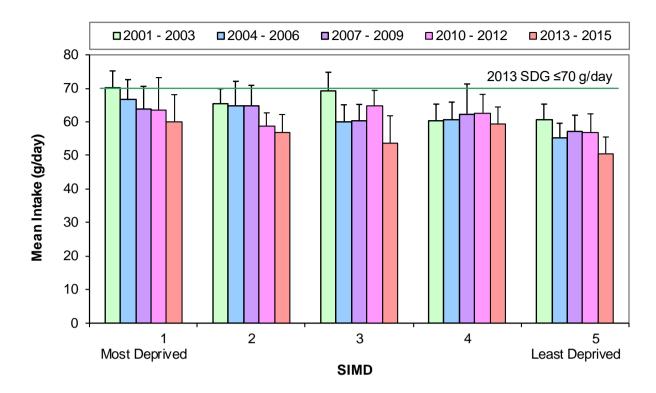
¹Fruit includes fruit and vegetable juice; ²Vegetables includes baked beans; 2013-2015 P (linear association) <0.001; P (overall association) <0.001

Figure 2: Mean [95% CI] oil rich fish consumption by SIMD quintile compared to the 2013 Scottish Dietary Goal (140g/week)



2013-2015 P (linear association) = 0.003; P (overall association) = 0.037

Figure 3: Mean [95% CI] total red meat¹ consumption by SIMD quintile compared to the 2013 Scottish Dietary Goal (≤70g/day)



¹Meat portion only; 2013-2015 P (linear association) = 0.134; P (overall association) = 0.117

3.1.2 Nutrient Intake Relating to the 2013 Scottish Dietary Goals

There was little change in consumption of the Scottish Dietary Goal nutrients between 2001 and 2015, and none of the goals were met by 2015.

3.1.2.1 Nutrient Intake Relating to the 2013 Scottish Dietary Goals by Year

Energy Density

Energy density, calculated from food and milk, has increased significantly between 2001-2003 and 2013-2015 (P-value for linear association = 0.002) (**Table 4**). The mean energy density for 2013-2015 was 175 kcal/100g, which is considerably higher than the 2013 Scottish Dietary Goal of 125 kcal/100g.

Energy density has increased between 2001-2003 and 2013-2015.

Total Fat and Saturated Fat

There has been no evidence of progress towards the 2013 Scottish Dietary Goal for total fat (average intake to reduce to no more than 35% food energy) (**Table 4**) with mean intakes increasing slightly, but not significantly, from 38.8% for 2001-2003 to 39.3% for 2013-2015. A significant reduction was found in the percentage of food energy from saturated fat (P-value for linear association = 0.006) (**Table 4**). However, the mean percentage of food energy contributed by saturated fat was 15.3% for 2013-2015, which is considerably higher than the 2013 goal of no more than 11% food energy.

There has been no significant change in total fat intakes between 2001-2003 and 2013-2015.

Non-milk Extrinsic Sugars

A significant reduction over time was found for the percentage of food energy from non-milk extrinsic sugars (NMES) (**Table 4**). The mean percentage of food energy contributed by NMES fell from 15.7% in 2001-2003 to 14.3% in 2013-2015. The overall decrease in the percentage of energy from NMES was highly significant (P-value for linear association <0.001), however it remains very high compared to the 2013 Scottish Dietary Goal of no more than 11% food energy.

Saturated fat and non-milk extrinsic sugar intakes (expressed as a percentage of food energy) have fallen slightly between 2001-2003 and 2013-2015 but still exceed population goals.

Non-starch Polysaccharide

There has been no change in the mean intake of non-starch polysaccharide (NSP) between 2001-2003 and 2013-2015 (**Table 4**), with the mean intake remaining considerably below the 2013 Scottish Dietary Goal of 18g/day. Mean NSP intake was 12g/day for both 2001-2003 and 2013-2015.

There has been no significant change in fibre intakes between 2001-2003 and 2013-2015.

Energy, Protein, Carbohydrate and Alcohol

Energy intake is not monitored using data from the LCFS, and is provided for comparison purposes only. A significant reduction over time was found for food energy intake (**Table 5**), with a mean intake in 2001-2003 of 2052kcal/day compared to 1889kcal/day in 2013-2015 (P-value for linear association <0.001). Protein, carbohydrate, total energy and alcohol intakes are not part of the 2013 Scottish Dietary Goals and are provided for comparison purposes only (**Table 5**).

Table 4: Mean Intake¹ of 2013 Scottish Dietary Goal Nutrients by Year, 2001 to 2015 – EFS / LCFS data (units/person/day)

| Nutrient ² | 2013 Scottish Dietary Goal | 2001-2003 | 2004-2006 ³ | 2007-2009 | 2010-2012 | 2013-2015 | P-value for Linear | |
|---------------------------------------|-------------------------------|--------------|------------------------|--------------|--------------|--------------|-----------------------|------------------------|
| | Dietary Goar | Mean | Mean | Mean | Mean | Mean | Association | Overall Association |
| | | 95% CI | 95% CI | 95% CI | 95% CI | 95% CI | | |
| Energy Density kcal/100g ⁴ | 125kcal/100g | 171 | 170 | 172 | 173 | 175 | | 0.048 |
| | | 169, 173 | 168, 173 | 170, 174 | 170, 176 | 173, 178 | 0.002 | |
| % Food Energy Fat | ≤35% | 38.8 | 38.7 | 38.9 | 39.1 | 39.3 | 0.055 | 0.408 |
| | | 38.4, 39.2 | 38.3, 39.2 | 38.5, 39.3 | 38.6, 39.6 | 38.8, 39.8 | 0.055 | |
| % Food Energy Saturated Fat | ≤11% | 15.6 | 15.5 | 15.3 | 15.2 | 15.3 | | 0.040 |
| | | 15.4, 15.7 | 15.3, 15.7 | 15.1, 15.4 | 14.9, 15.5 | 15.0, 15.5 | 0.006 | 0.019 |
| % Food Energy NMES | ≤11% | 15.7 | 15.3 | 14.9 | 14.6 | 14.3 | | |
| | | 15.3, 16.1 | 14.8, 15.7 | 14.6, 15.2 | 14.2, 15.0 | 13.7, 14.9 | <0.001 | 0.001 |
| NSP | 18g/day | 12 | 12 | 13 | 12 | 12 | | |
| | | 12, 13 | 12, 13 | 12, 13 | 12, 13 | 11, 12 | 0.076 | 0.072 |
| n Households n People | | 1750 4022 | 1733 3979 | 1537 3373 | 1436 3181 | 1266 2825 | | |
| n People Weighted ⁵ | | 14934 | 14792 | 15364 | 15337 | 15679 | | |

¹Household and eating out intakes combined; ²See appendices 1, 3 and 4 for methodology; ³From2006 the EFS moved from a financial year to a calendar year basis. As a consequence of this the January to March 2006 data are duplicated in the 2004-2006 results; ⁴Calculated fromfood and milk; ⁵The results are weighted to the Scottish population - the number provided is approximately 1000th of the Scottish population

Table 5: Mean Intake¹ of Energy and Macronutrients by Year, 2001 to 2015 – EFS / LCFS data (units/person/day)

| Nutrient ² | 2001-2003 | 2004-2006 ³ | 2007-2009 | 2010-2012 | 2013-2015 | P-value for Linear | P-value for Overall |
|----------------------------|------------|------------------------|------------|------------|------------|---|------------------------|
| | Mean | Mean | Mean | Mean | Mean | Association | |
| | 95% CI | 95% CI | 95% CI | 95% CI | 95% CI | | |
| Food Energy kcal | 2052 | 1991 | 2038 | 1942 | 1889 | <pre>1945</pre> <pre></pre> <pre></pre> | |
| | 2011, 2094 | 1947, 2035 | 1985, 2092 | 1885, 1998 | 1833, 1945 | | <0.001 |
| Food Energy MJ | 8.6 | 8.4 | 8.6 | 8.1 | 7.9 | 0.004 | <0.001 |
| | 8.5, 8.8 | 8.2, 8.6 | 8.3, 8.8 | 7.9, 8.3 | 7.7, 8.2 | <0.001 | |
| % Food Energy Protein | 14.3 | 14.3 | 14.2 | 14.2 | 14.1 | 0.040 | |
| | 14.2, 14.5 | 14.1, 14.5 | 14.0, 14.4 | 14.0, 14.4 | 13.9, 14.2 | 0.040 | 0.233 |
| % Food Energy Carbohydrate | 46.9 | 47.0 | 46.9 | 46.6 | 46.5 | 0.404 | 0.544 |
| | 46.5, 47.3 | 46.5, 47.4 | 46.4, 47.3 | 46.1, 47.1 | 45.9, 47.0 | 0.101 | 0.514 |
| | | | | | | | |
| T , 1 F | 0.100 | 0005 | 0407 | 0044 | 4050 | | Ī |

| Total Energy | 2126 | 2065 | 2107 | 2011 | 1952 | <0.001 | -0.001 |
|--|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|--------|--------|
| kcal | 2082, 2170 | 2019, 2111 | 2052, 2161 | 1955, 2067 | 1894, 2009 | <0.001 | <0.001 |
| Total Energy MJ | 8.9 | 8.6 | 8.8 | 8.4 | 8.2 | | <0.001 |
| | 8.7, 9.1 | 8.4, 8.8 | 8.6,9.0 | 8.2, 8.6 | 7.9, 8.4 | <0.001 | |
| % Total Energy Alcohol | 3.8 | 3.7 | 3.8 | 3.7 | 3.6 | 0 507 | 0.940 |
| | 3.5, 4.1 | 3.5, 4.0 | 3.5, 4.1 | 3.3, 4.0 | 3.3, 4.0 | 0.507 | |
| n Households n People n People Weighted⁴ | 1750 4022 14934 | 1733 3979 14792 | 1537 3373 15364 | 1436 3181 15337 | 1266 2825 15679 | | |

¹Household and eating out intakes combined; ²See appendices 1, 3 and 4 for methodology; ³From 2006 the EFS moved from a financial year to a calendar year basis. As a consequence of this the January to March 2006 data are duplicated in the 2004-2006 results; ⁴The results are weighted to the Scottish population - the number provided is approximately 1000th of the Scottish population

3.1.2.2 Nutrient Intake Relating to the Scottish Dietary Goals by SIMD Quintile (2013-2015)

Energy Density

Energy density was lower in the least deprived quintile of SIMD (Quintile 5) at 171kcal/100g, compared with 178kcal/100g in the most deprived quintile (Quintile 1) for 2013 to 2015 (**Table 6**, **Figure 4**), however this linear association with SIMD quintile was not statistically significant. Mean energy density in all quintiles of SIMD failed to meet the 2013 Scottish Dietary Goal.

There was no difference in mean energy density by SIMD quintile.

Total Fat and Saturated Fat

 Table 6 and Figures 5 and 6 show that there was no statistical association between SIMD quintile and the percentage of food energy from total or saturated fat for 2013 to 2015.

There was no difference in mean total or saturated fat intake by SIMD quintile.

Non-Milk Extrinsic Sugars

NMES intake was lower in the least deprived quintile (Quintile 5) at 13.9% of food energy, compared with 15.0% in the most deprived quintile (Quintile 1) for 2013 to 2015 (**Table 6**, **Figure 7**), however this association with SIMD quintile was not statistically significant. Mean intakes in the least deprived quintile of SIMD still failed to meet the 2013 Scottish Dietary Goal.

There was no difference in mean NMES intake by SIMD quintile.

Non-Starch Polysaccharide

NSP intake was significantly higher in the less deprived quintiles of SIMD (Quintiles 4 and 5) at 12.9 and 12.6g/day respectively compared with 10.7g/day in the most deprived quintile (Quintile 1) for 2013 to 2015 (P-value for linear association <0.001) (**Table 6**, **Figure 8**). However mean intakes in all quintiles of SIMD failed to meet the 2013 Scottish Dietary Goal.

Non-starch polysaccharide intake was highest in the least deprived two-fifths of the population but failed to meet the goal in all SIMD quintiles.

Energy, Protein, Carbohydrate and Alcohol

Table 7 shows that there was no statistically significant linear association between food energy, protein, carbohydrate, total energy and alcohol intake and SIMD quintile for 2013 to 2015.

Absolute and Relative Inequality

Analysis by SII and RII confirm the above differences by SIMD in absolute and relative terms. **Appendix 9** provides the results of the SII and RII analysis over time showing that there has been no significant change in inequalities from 2001 to 2015.

| Nutrient ² | 2013 Scottish Dietary Goal | SIMD Quintile 1* Mean 95% Cl | SIMD Quintile 2 Mean 95% Cl | SIMD Quintile 3 Mean 95% Cl | SIMD Quintile 4 Mean 95% Cl | SIMD Quintile 5* Mean 95% Cl | P-value for Linear Association | P-value for Overall Association | SII ^{3,4} ** 95% CI | RII ⁴ *** 95% CI |
|--|-------------------------------|---------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|---------------------------------------|--------------------------------------|---------------------------------------|---------------------------------|--------------------------------|
| Energy Density kcal/100g⁵ | 125kcal/ | 178 | 182 | 173 | 174 | 171 | 0.070 | 0.400 | -11 | -0.06 |
| | 100g | 170, 186 | 174, 191 | 166, 179 | 169, 178 | 166, 176 | 0.076 | 0.400 | -24, 1.2 | -0.14, 0.01 |
| % Food Energy Fat | ≤35% | 38.9 | 39.7 | 39.2 | 39.6 | 39.0 | 0.000 | 0.700 | 0.0 | 0.00 |
| | | 37.6, 40.3 | 38.5, 40.9 | 38.2, 40.3 | 38.6, 40.6 | 38.1, 40.0 | 0.998 | 0.798 | -1.8, 1.7 | -0.04, 0.04 |
| % Food Energy Saturated Fat | ≤11% | 15.2 | 15.2 | 15.3 | 15.5 | 15.1 | 0.982 | 0.924 | 0.0 | 0.00 |
| | | 14.6, 15.8 | 14.8, 15.6 | 14.8, 15.8 | 14.9, 16 | 14.6, 15.6 | 0.982 | 0.924 | -0.8, 0.8 | -0.05, 0.05 |
| % Food Energy NMES | ≤11% | 15.0 | 15.1 | 13.9 | 13.9 | 13.9 | 0.052 | 0 100 | -1.6 | -0.12 |
| | | 13.4, 16.5 | 14.1, 16.2 | 12.8, 15 | 13, 14.9 | 12.7, 15.1 | 0.053 | 0.123 | -3.3, 0.0 | -0.23, 0.00 |
| NSP | 18g/day | 10.7 | 10.3 | 12.4 | 12.9 | 12.6 | | | 3.2 | 0.27 |
| | | 9.7, 11.7 | 9.7, 10.9 | 11.6, 13.1 | 12.0, 13.7 | 11.7, 13.5 | <0.001 | <0.001 | 2.0, 4.3 | 0.17, 0.36 |
| n Households n People n People Weighted ⁶ | | 221 459 2515 | 255 556 3075 | 258 568 3131 | 269 631 3588 | 263 611 3370 | | | 1266 2825 15679 | 1266 2825 15679 |

Table 6: Mean Intake¹ of 2013 Scottish Dietary Goal Nutrients by SIMD, 2013 to 2015 Combined - LCFS data (units/person/day)

¹Household and eating out intakes combined; ²See appendices 1, 3 and 4 for methodology; ³Mean difference in intake (g/person/day with the exception of fish g/person/week) in the most deprived relative to the least deprived (slope of the gradient between the most deprived and the least deprived); ⁴A positive figure indicates that consumption / intakes are highest in the most deprived and a negative figure indicates that consumption / intakes are highest in the most deprived (slope of the gradient between the most deprived and the least deprived); ⁶Calculated from food and milk; ⁶The results are weighted to the Scottish population - the number provided is approximately 1000th of the Scottish population; *Scottish Index of Multiple Deprivation (SIMD) Quintiles: 1=Most Deprived; 5=Least Deprived; ** SII=Slope Index of Inequality; ***RII=Relative Index of Inequality

| Nutrient ² | SIMD Quintile 1* Mean 95% Cl | SIMD Quintile 2 Mean 95% Cl | SIMD Quintile 3 Mean 95% Cl | SIMD Quintile 4 Mean 95% Cl | SIMD Quintile 5* Mean 95% Cl | P-value for Linear Association | P-value for Overall Association | SII ^{3,4} ** 95% CI | RII ⁴ *** 95% CI |
|----------------------------|---------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|---------------------------------------|--------------------------------------|---------------------------------------|---------------------------------|--------------------------------|
| Food Energy kcal | 1833 | 1759 | 1937 | 1999 | 1889 | 0.047 | 0.008 | 177 | 0.09 |
| | 1678, 1987 | 1658, 1861 | 1802, 2071 | 1898, 2100 | 1792, 1987 | 0.047 | | 2.6, 351 | 0.00, 0.19 |
| Food Energy MJ | 7.7 | 7.4 | 8.1 | 8.4 | 7.9 | 0.040 | 0.007 | 0.7 | 0.09 |
| | 7.0, 8.3 | 7.0, 7.8 | 7.6, 8.7 | 8.0, 8.8 | 7.5, 8.3 | 0.046 | 0.007 | 0.0, 1.5 | 0.00, 0.19 |
| % Food Energy Protein | 14.0 | 13.7 | 14.2 | 14.3 | 14.1 | 0.000 | 0.004 | 0.4 | 0.03 |
| | 13.5, 14.5 | 13.4, 14.1 | 13.7, 14.7 | 13.9, 14.6 | 13.8, 14.5 | 0.086 | 0.324 | -0.1, 0.9 | 0.00, 0.06 |
| % Food Energy Carbohydrate | 47.0 | 46.5 | 46.4 | 46.0 | 46.7 | | 0.708 | -0.5 | -0.01 |
| | 45.7, 48.3 | 45.4, 47.6 | 45.3, 47.5 | 45.0, 47.0 | 45.6, 47.8 | 0.556 | | -2.3, 1.3 | -0.05, 0.03 |

Table 7: Mean Intake¹ of Energy and Macronutrients by SIMD, 2013 to 2015 Combined - LCFS data (units/person/day)

| Total Energy | 1881 | 1819 | 2001 | 2057 | 1967 | | | 24 | 0.10 |
|------------------------|------------|------------|------------|------------|------------|-------|-------|-----------|-------------|
| kcal | 1722, 2040 | 1712, 1925 | 1868, 2135 | 1956, 2158 | 1857, 2077 | 0.034 | 0.009 | 16, 392 | 0.01, 0.20 |
| Total Energy MJ | 7.9 | 7.6 | 8.4 | 8.6 | 8.2 | | | 0.9 | 0.10 |
| | 7.2, 8.5 | 7.2, 8.1 | 7.8, 8.9 | 8.2, 9.0 | 7.8, 8.7 | 0.034 | 0.009 | 0.1, 1.6 | 0.01, 0.20 |
| % Total Energy Alcohol | 3.2 | 3.9 | 3.7 | 3.1 | 4.2 | 0.390 | 0.115 | 0.5 | 0.15 |
| | 2.5, 3.9 | 3.1, 4.7 | 2.7, 4.8 | 2.5, 3.6 | 3.4, 5.0 | | | -0.7, 1.8 | -0.20, 0.50 |
| n Households | 221 | 255 | 258 | 269 | 263 | | [| 1266 | 1266 |
| n People | 459 | 556 | 568 | 631 | 611 | | | 2825 | 2825 |
| n People Weighted⁵ | 2515 | 3075 | 3131 | 3588 | 3370 | | | 15679 | 15679 |

¹Household and eating out intakes combined; ²See appendices 1, 3 and 4 for methodology; ³Mean difference in intake (g/person/day with the exception of fish g/person/week) in the most deprived relative to the least deprived (slope of the gradient between the most deprived and the least deprived); ⁴A positive figure indicates that consumption / intakes are highest in the least deprived and a negative figure indicates that consumption / intakes are highest in the most deprived; ⁵The results are weighted to the Scottish population - the number provided is approximately 1000th of the Scottish population; *Scottish Index of Multiple Deprivation (SIMD) Quintiles: 1=Most Deprived; 5=Least Deprived; ** SII=Slope Index of Inequality; ***RII=Relative Index of Inequality

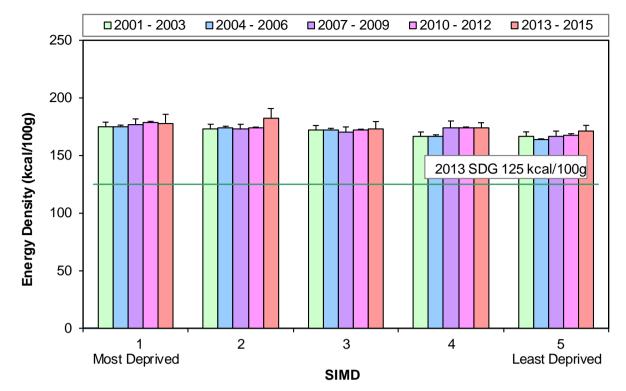


Figure 4: Mean [95%CI] energy density (food and milk) by SIMD quintile compared to the 2013 Scottish Dietary Goal (125 kcal/100g)

2013-2015 P (linear association) = 0.076; P (overall association) = 0.400

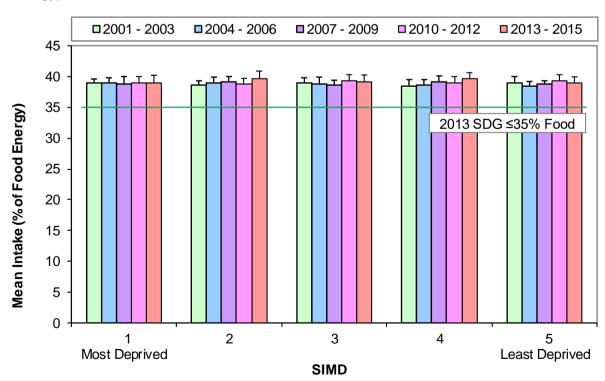
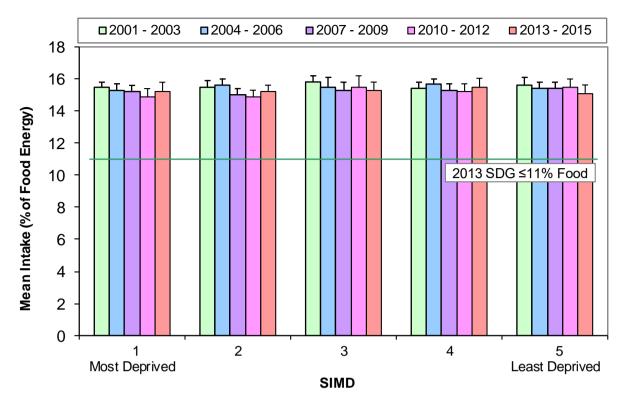


Figure 5: Mean [95% CI] fat intake by SIMD quintile compared to the 2013 Scottish Dietary Goal (\leq 35% food energy)

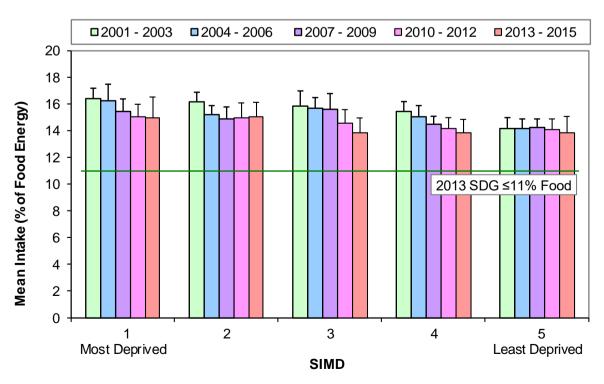
2013-2015 P (linear association) = 0.998; P (overall association) = 0.798

Figure 6: Mean [95% CI] saturated fat intake by SIMD quintile compared to the 2013 Scottish Dietary Goal (≤11% food energy)



2013-2015 P (linear association) = 0.982; P (overall association) = 0.924

Figure 7: Mean [95% CI] NMES intake by SIMD quintile compared to the 2013 Scottish Dietary Goal (\leq 11% food energy)



2013-2015 P (linear association) = 0.053; P (overall association) = 0.123

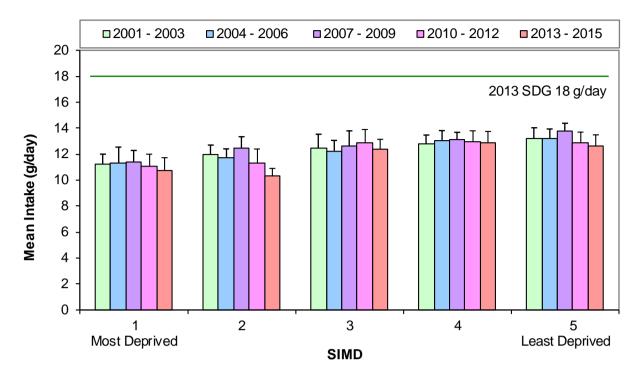


Figure 8: Mean [95% CI] NSP intake by SIMD quintile compared to the 2013 Scottish Dietary Goal (18g/day)

2013-2015 P (linear association) < 0.001; P (overall association) < 0.001

3.1.3 Consumption of Additional Foods and Drinks Indicative of Diet Quality

3.1.3.1 Food Consumption by Year

Bread

Mean total daily bread consumption decreased significantly over the period 2001-2003 to 2013-2015 (from 107g to 83g, P-value for linear association <0.001) (**Table 8**). This was accounted for by a steady decrease in white bread. However, intakes of brown/wholemeal bread have remained fairly constant with a mean intake for 2013-2015 of 18g/day. By 2013-2015, 21.7% of bread consumed was brown/wholemeal compared to 16.8% for 2001-2003.

Break fast Cereal

Mean high fibre and total breakfast cereal consumption remained fairly constant from 2001-2003 to 2013-2015. The mean intake for 2013-2015 was 12 and 20g/day respectively (**Table 8**).

Cakes, Sweet Biscuits and Pastries; Sugar and Preserves; Confectionery and Ice Cream and Dairy Desserts Mean consumption of cakes, sweet biscuits and pastries; sugar and preserves; confectionery; and ice cream and dairy desserts have remained fairly constant between 2001-2003 and 2013-2015 with mean intakes for 2013-2015 of 38, 16, 21 and 33 g/day respectively (**Table 8**).

Soft Drinks

The trends in consumption of sugar-containing soft drinks mirrored that of NMES intake (**Table 8**, **Appendix 10 Table C** and **Figure I**). Overall, sugar-containing soft drink consumption decreased significantly from 245g/day for 2001-2003 to 156g/day for 2013-2015 (P-value for linear trend <0.001). In contrast, the mean intake of sugar free soft drinks increased significantly from 104g/day for 2001-2003 to 133g/day for 2013-2015 (P-value for linear association <0.001).

Processed Red Meat Products

Bacon and ham consumption has remained constant over the period of 2001-2003 to 2013-2015 (**Table 9**), however consumption of other processed red meat products decreased significantly over the same time period from 29 to 26 g/day (P-value for linear association = 0.001) (this includes the meat content of savoury pies). Savoury meat pie consumption (based on total pie weight) decreased significantly from 10g/day for 2001-2003 to 8.7g/day for 2013-2015 (P-value for linear association = 0.003).

Dairy Products and Fat

Mean butter and soft margarine intake increased from 5.8 and 1.3 g/day respectively for 2001-2003 to 7.7 and 1.7 g/day for 2013-2015 (P-values for linear association <0.001 and 0.007). Over the same time period there was a significant reduction in mean low fat spread consumption from 8.9 to 5.0 g/day (P-value for linear association <0.001) (**Table 9**), such that there was a reduction in total spread consumption (P-value for linear association 0.022). There was no significant change to cooking oil or cheese consumption over time, but there was an increase in mean cream consumption from 2.4 to 3.6g/day (P-value for linear association <0.001). Mean total daily milk consumption decreased from 248g for 2001-2003 to 197g for 2013-2015 (P-value for linear association <0.001). This was caused by a decrease in mean whole milk consumption from 89 to 38 g/day (P-value for linear association <0.001) (**Table 9**).

White Fish

Mean white fish consumption has decreased significantly from 92g/week for 2001-2003 to 75g/week for 2013-2015 (P-value for linear association <0.001) (**Table 9**).

Potatoes, Nuts and Savoury Snacks

There was a significant decrease in fresh potato consumption between 2001-2003 and 2013-2015 (P-value for linear association <0.001), with a mean consumption for 2013-2015 of 40g/day compared with a mean consumption for 2001-2003 of 60g/day. Processed potato (e.g. chips) and savoury snack consumption fluctuated between 2001-2003 and 2013-2015, with no statistically significant linear association. Mean nut consumption increased from 2.0g/day for 2001-2003 to 4.0g/day for 2013-2015 (P-value for linear association <0.001) (Table 9).

| Table 8: Mean Consumption ¹ of Additional Foods and Drinks Indicative of Diet Quality by Year (Table | |
|---|--|
| A), 2001 to 2015 - EFS / LCF data (g/person/day) | |

| Food ² | 2001-2003 | 2004-2006 ³ | 2007-2009 | 2010-2012 | 2013-2015 | P-value for Linear | P-value for Overall |
|------------------------------------|----------------|------------------------|----------------|----------------|----------------|-----------------------|------------------------|
| | Mean 95% Cl | Mean 95% Cl | Mean 95% Cl | Mean 95% Cl | Mean 95% Cl | | Association |
| Brown/Wholemeal Bread | 15.1 | 15.0 | 19.4 | 22.0 | 19.4 | 0.075 | |
| | 11.9, 18.4 | 12.4, 17.5 | 17.0, 21.9 | 17.4, 26.6 | 17.3, 21.4 | 0.875 | <0.001 |
| Total Bread | 86.2 | 80.6 | 80.5 | 87.6 | 80.0 | | |
| | 79.4, 93.1 | 74.1,87.1 | 73.7,87.4 | 79.8, 95.5 | 76.2, 83.9 | <0.001 | <0.001 |
| High Fibre Breakfast Cereal | 6.6 | 9.4 | 11.5 | 13.7 | 15.3 | 0.000 | 0.040 |
| | 3.8, 9.5 | 7.3, 11.5 | 9.1, 13.8 | 10.8, 16.5 | 13.0, 17.6 | 0.092 | 0.016 |
| Total Breakfast Cereal | 16.4 | 17.2 | 20.2 | 23.1 | 23.6 | 0.007 | 0.440 |
| | 12.7, 20.1 | 14.0, 20.5 | 17.4, 23.0 | 19.9, 26.4 | 20.3, 26.8 | 0.227 | 0.119 |
| Cakes and Pastries | 13.7 | 14.9 | 16.8 | 17.3 | 18.2 | 0.127 | 0.222 |
| | 10.7, 16.8 | 13.0, 16.9 | 13.8, 19.9 | 15.1, 19.6 | 15.2, 21.1 | 0.127 | 0.332 |
| Sweet Biscuits | 19.7 | 20.5 | 25.6 | 21.4 | 20.3 | 0.005 | 0.000 |
| | 17.0, 22.4 | 17.7, 23.3 | 22.6, 28.6 | 18.7, 24.1 | 17.2, 23.4 | 0.295 | 0.069 |
| Cakes, Sweet Biscuits and Pastries | 33.5 | 35.4 | 42.4 | 38.7 | 38.5 | 0.400 | 0.004 |
| | 29.2, 37.8 | 31.9, 38.9 | 37.7, 47.0 | 34.7, 42.8 | 34.7, 42.2 | 0.109 | 0.091 |
| Ice Cream and Dairy Desserts | 26.9 | 33.2 | 36.8 | 34.1 | 32.3 | | |
| | 20.1, 33.6 | 26.9, 39.4 | 27.2, 46.4 | 27.0, 41.2 | 25.1, 39.5 | 0.784 | 0.783 |
| Sugar and Preserves | 12.7 | 14.4 | 15.3 | 18.6 | 15.6 | 0.000 | 0.000 |
| | 9.5, 15.9 | 11.8, 17.0 | 11.7, 19.0 | 14.5, 22.6 | 12.4, 18.9 | 0.022 | 0.099 |
| Chocolate Confectionery | 12.9 | 13.5 | 14.2 | 13.7 | 13.2 | 0.4.47 | 0.044 |
| | 10.1, 15.7 | 10.9, 16.1 | 11.6, 16.8 | 11.4, 16.0 | 11.0, 15.4 | 0.147 | 0.311 |
| Sugar Confectionery | 7.9 | 8.2 | 8.1 | 7.4 | 7.1 | 0.005 | 0.000 |
| | 5.4, 10.3 | 6.4, 10.1 | 6.4, 9.8 | 5.5, 9.3 | 5.8, 8.4 | 0.985 | 0.039 |
| Total Confectionery | 20.8 | 21.8 | 22.3 | 21.1 | 20.3 | 0.005 | 0.450 |
| | 16.8, 24.8 | 18.8, 24.7 | 18.5, 26.0 | 17.7,24.5 | 17.7, 22.8 | 0.305 | 0.450 |
| Sugar-Containing Soft Drinks | 195 | 173 | 139 | 155 | 127 | | |
| | 158, 232 | 147, 198 | 109, 169 | 125, 184 | 92.3, 162 | <0.001 | <0.001 |
| Sugar Free Soft Drinks | 120 | 130 | 123 | 148 | 137 | / | |
| | 84.3, 157 | 101, 159 | 90.0, 156 | 115, 181 | 108, 166 | <0.001 | <0.001 |
| Total Soft Drinks | 316 | 303 | 262 | 303 | 264 | 0.004 | 0.004 |
| | 267, 364 | 263, 342 | 225, 299 | 265, 341 | 215, 313 | <0.001 | <0.001 |
| n Households | 1750 | 1733 | 1537 | 1436 | 1266 | | |
| n People n People Weighted⁴ | 4022 14934 | 3979 14792 | 3373 15364 | 3181 15337 | 2825 15679 | | |
| | | | | | | | |

¹Household and eating out consumption combined; ²See appendices 1 & 3 for methodology; ³From 2006 the EFS moved from a financial year to a calendar year basis. As a consequence of this the January to March 2006 data are duplicated in the 2004-2006 results; ⁴The results are weighted to the Scottish population - the number provided is approximately 1000th of the Scottish population

Table 9: Mean Consumption¹ of Additional Foods and Drinks Indicative of Diet Quality by Year (Table B), 2001 to 2015 - EFS/ LCF data (g/person/day)

| Food ² | 2001-2003 | 2004-2006 ³ | 2007-2009 | 2010-2012 | 2013-2015 | P-value for | P-value for |
|--|----------------|------------------------|----------------|----------------|----------------|-----------------------|------------------------|
| | Mean 95% Cl | Mean 95% Cl | Mean 95% Cl | Mean 95% Cl | Mean 95% Cl | Linear Association | Overall Association |
| Bacon and Ham | 11.9 | 10.8 | 9.9 | 12.8 | 9.9 | | |
| | 9.7, 14.1 | 9.0, 12.5 | 8.4, 11.4 | 11.5, 14.2 | 8.5, 11.4 | 0.295 | 0.111 |
| Other Processed Red Meat | 30.3 | 27.3 | 24.1 | 26.0 | 22.2 | | |
| Products ^{4,5} | 26.2, 34.4 | 24.1, 30.4 | 21.3, 26.9 | 22.9, 29.1 | 19.4, 25.1 | 0.001 | 0.004 |
| Savoury Meat Pies | 10.9 | 10.1 | 8.9 | 7.1 | 7.4 | | 0.044 |
| | 8.5, 13.2 | 8.3, 11.9 | 7.4, 10.4 | 5.5, 8.8 | 5.8, 9.0 | 0.003 | 0.044 |
| Butter | 7.0 | 5.6 | 8.4 | 8.7 | 8.2 | | |
| | 5.4, 8.6 | 3.8, 7.4 | 7.1, 9.8 | 6.9, 10.5 | 6.6, 9.8 | <0.001 | 0.002 |
| Soft Margarine | 1.8 | 1.8 | 1.5 | 1.7 | 1.8 | 0.007 | 0.000 |
| | 0.8, 2.8 | 1.0, 2.5 | 0.9, 2.2 | 1.0, 2.4 | 0.9, 2.7 | 0.007 | 0.003 |
| Low Fat Spread | 5.4 | 6.9 | 4.7 | 4.4 | 4.0 | 0.004 | 0.004 |
| | 4.0, 6.7 | 5.2, 8.7 | 3.7, 5.8 | 3.6, 5.3 | 3.1, 4.9 | <0.001 | <0.001 |
| Total Spreading Fats | 14.1 | 14.3 | 14.7 | 14.9 | 14.0 | 0.022 | 0.110 |
| | 12.3, 15.9 | 12.0, 16.6 | 13.0, 16.4 | 13.0, 16.7 | 12.2, 15.9 | 0.022 | 0.110 |
| Cooking Oil | 8.0 | 8.2 | 5.0 | 5.8 | 4.7 | 0.405 | 0.070 |
| | 4.6, 11.5 | 5.1, 11.3 | 3.7, 6.4 | 3.8, 7.8 | 3.3, 6.2 | 0.165 | 0.270 |
| Cream | 1.6 | 2.6 | 3.8 | 4.2 | 5.1 | .0.001 | 0.004 |
| | 1.0, 2.2 | 1.8, 3.3 | 2.4, 5.2 | 3.2, 5.2 | 3.7, 6.5 | <0.001 | 0.001 |
| Cheese | 12.1 | 12.0 | 16.2 | 16.9 | 14.7 | 0.453 | 0.312 |
| | 10.5, 13.7 | 10.4, 13.5 | 13.8, 18.6 | 15.0, 18.8 | 12.1, 17.2 | 0.453 | 0.312 |
| Whole Milk | 52.5 | 51.0 | 37.9 | 26.0 | 27.5 | .0.001 | .0.004 |
| | 39.7,65.3 | 36.3, 65.7 | 29.7, 46.1 | 18.8, 33.3 | 18.5, 36.5 | <0.001 | <0.001 |
| Semi-skimmed Milk | 116 | 118 | 133 | 143 | 143 | 0.164 | 0.355 |
| | 95, 136 | 102, 135 | 118, 148 | 124, 162 | 121, 164 | 0.104 | 0.355 |
| Skimmed Milk | 6.8 | 7.3 | 14 | 13.3 | 16.2 | 0.051 | 0.006 |
| | 3.1, 10.6 | 3.6, 11.1 | 4.0, 24.0 | 6.5, 20.0 | 8.5, 23.9 | 0.951 | 0.096 |
| Total Milk | 202 | 192 | 197 | 195 | 201 | -0.001 | -0.001 |
| | 182, 222 | 168, 217 | 177, 217 | 177, 213 | 182, 220 | <0.001 | <0.001 |
| White Fish | 51.8 | 62.5 | 77.2 | 83.2 | 92.9 | -0.001 | -0.001 |
| | 37.1,66.4 | 47.9, 77.1 | 63.9, 90.4 | 71.7, 94.6 | 78.8, 107 | <0.001 | <0.001 |
| Fresh Potatoes | 40.2 | 37.5 | 42.7 | 40.9 | 38.6 | .0.001 | .0.004 |
| | 30.6, 49.8 | 30.8, 44.3 | 35.2, 50.2 | 35.7, 46.0 | 33.5, 43.7 | <0.001 | <0.001 |
| Processed Potatoes | 32.5 | 31.4 | 29.2 | 28.7 | 25.1 | 0.093 | 0.005 |
| | 26.9, 38.1 | 26.6, 36.2 | 25.4, 32.9 | 24.5, 32.9 | 22.7, 27.5 | 0.093 | 0.005 |
| Nuts | 2.4 | 2.8 | 4.5 | 4.9 | 4.7 | | |
| | 1.4, 3.4 | 2.0, 3.6 | 3.4, 5.7 | 3.7, 6.2 | 3.5, 5.9 | <0.001 | <0.001 |
| Savoury Snacks | 14.2 | 13.2 | 13.0 | 14.2 | 12.5 | 0.071 | .0.004 |
| | 11.9, 16.4 | 11.1, 15.4 | 10.9, 15.1 | 12.1, 16.4 | 11.2, 13.8 | 0.071 | <0.001 |
| n Households | 1750 | 1733 | 1537 | 1436 | 1266 | | |
| n People n People Weighted ⁶ | 4022 14934 | 3979 14792 | 3373 15364 | 3181 15337 | 2825 15679 | | |
| ni copic weigined | 17357 | 17132 | 10304 | 10001 | 10019 | | |

¹Household and eating outconsumption combined; ²See appendices 1 & 3 for methodology; ³From 2006 the EFS moved from a financial year to a calendar year basis. As a consequence of this the January to March 2006 data are duplicated in the 2004 - 2006 results; ⁴Meat portion only – see appendices 1 & 3 of Wrieden and Barton, (2015) for methodology; ⁵Other processed red meat products includes the meat portion of sausages, meat pies, corned beef, burgers and pate and is a component of total red meat; ⁶The results are weighted to the Scottish population - the number provided is approximately 1000th of the Scottish population

3.1.3.2 Food Consumption by SIMD

Bread

There was no significant association between total bread consumption and SIMD quintile for 2013 to 2015 (**Table 10**). Consumption of brown/wholemeal bread was highest in the less deprived quintiles of SIMD (Quintiles 3-5) at 19.4, 22.0 and 19.4g/day respectively compared to 15.1g/day in the most deprived quintile (Quintile 1) for 2013 to 2015 (P-value for linear association = 0.003) (**Table 10**).

Break fast Cereals

Consumption of high fibre breakfast cereal and total breakfast cereal was highest in the least deprived quintile of SIMD (Quintile 5), at 15.3 and 26.3 g/day respectively compared to 6.6 and 16.4 g/day in the most deprived quintile (Quintile 1) for 2013 to 2015 (P-values for linear association <0.001) (**Table 10**).

Cakes, Sweet Biscuits and Pastries; Sugar and Preserves; Confectionery and Ice Cream and Dairy Desserts There was no significant association between SIMD quintile and cakes, sweet biscuits and pastries; sweet biscuits; ice cream and dairy desserts; or confectionery for 2013 to 2015 (**Table 10**).

Soft Drinks

There was no significant association between total soft drink or sugar free soft drink consumption and SIMD quintile for 2013 to 2015 (**Table 10**). However, consumption of sugar containing soft drinks was lowest in the least deprived quintile of SIMD (Quintile 5) at 127g/day compared to 195g/day in the most deprived quintile (Quintile 1) for 2013 to 2015 (P-value for linear association = 0.006) (**Table 10** and **Figure 9**). However, the reduction over time in soft drink consumption appears to be greater in the more deprived quintiles (Figure 18).

Processed Red Meat Products

There was no statistical association between consumption of bacon and ham and SIMD quintile for 2013 to 2015 (**Table 11**). However, a statistically significant association was found with other processed red meat products, with consumption higher in the most deprived quintile (Quintile 1) at 30.3g/day compared to 22.2g/day in the least deprived quintile (Quintile 5) for 2013 to 2015 (P-value for linear association = 0.002) (this includes the meat content of savoury pies). A significant association between SIMD quintile and savoury meat pies (based on total pie weight) was found, with an intake of 10.9g/day in the most deprived quintile compared to 7.1 and 7.4g/day respectively in the less deprived quintiles (Quintiles 4 and 5) for 2013 to 2015 (P-value for linear association = 0.002) (**Table 11**).

Dairy Products and Fat

Mean consumption of whole milk was approximately double in the most deprived SIMD quintile (Quintile 1) compared to the less deprived quintiles (Quintiles 4 and 5), (52.5g/day compared to 26.0 and 27.5g/day respectively) for 2013 to 2015 (P-value for linear association <0.001) (**Table 11**). The least deprived quintile of SIMD (Quintile 5) had significantly higher intakes compared to the most deprived quintile (Quintile 1) of skimmed milk (16.2g/day compared to 6.8g/day) and cream (5.1g/day compared to 1.6g/day) (P-values for linear association = 0.010 and <0.001 respectively) (**Table 11**). The less deprived quintiles of SIMD (Quintiles 3-5) had significantly higher intakes of cheese compared to the most deprived quintile (Quintile 1) (16.2, 16.9 and 14.7g/day respectively compared to 12.1g/day), (P-values for linear association = 0.004) (**Table 11**).

White Fish

Consumption of white fish was highest in the least deprived quintile of SIMD (Quintile 5) at 92.9g/week, compared to 51.8g/week in the most deprived quintile (Quintile 1) for 2013 to 2015 (P-value for linear association <0.001) (**Table 11**).

Potatoes, Nuts and Savoury Snacks

No significant association with SIMD quintile was found for consumption of fresh potatoes, processed potatoes, or savoury snacks for 2013 to 2015, however a significant association was found with consumption of nuts (**Table 11**). Mean nut consumption was 4.9 and 4.7g/day respectively in the less deprived quintile (Quintiles 4 and 5) compared to 2.4g/day in the most deprived quintile (Quintile 1) for 2013 to 2015 (P-value for linear association <0.001).

Absolute and Relative Inequality

Analysis by SII and RII confirm the above differences by SIMD in absolute and relative terms. **Appendix 9** provides the results for the SII and RII analysis for food consumption over time with regards to deprivation showing that there has been no significant change in inequalities from 2001 to 2015 for the majority of foods / drinks and that absolute and relative inequalities in food/nutrient intakes have not changed appreciably between 2001 and 2015.

Table 10: Mean Consumption¹ of Additional Foods and Drinks Indicative of Diet Quality by SIMD (Table A), 2013 to 2015 Combined - LCFS data (g/person/day)

| Food ² | SIMD Quintile 1* Mean 95% Cl | SIMD Quintile 2 Mean 95% Cl | SIMD Quintile 3 Mean 95% Cl | SIMD Quintile 4 Mean 95% Cl | SIMD Quintile 5* Mean 95% Cl | P-value for Linear Association | P-value for Overall Association | SII ^{3,4} ** 95% CI | RII ⁴ *** 95% CI |
|--|---------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|---------------------------------------|--------------------------------------|---------------------------------------|---------------------------------|--------------------------------|
| Brown/WholemealBread | 15.1 | 15.0 | 19.4 | 22.0 | 19.4 | 0.003 | 0.027 | 7.6 | 0.41 |
| | 11.9, 18.4 | 12.4, 17.5 | 17.0, 21.9 | 17.4, 26.6 | 17.3, 21.4 | | | 2.8, 12 | 0.15, 0.67 |
| Total Bread | 86.2 | 80.6 | 80.5 | 87.6 | 80.0 | 0.692 | 0.054 | -1.9 | -0.02 |
| | 79.4, 93.1 | 74.1,87.1 | 73.7, 87.4 | 79.8, 95.5 | 76.2, 83.9 | | | -12, 8.3 | -0.15, 0.10 |
| High Fibre Breakfast Cereal | 6.6 | 9.4 | 11.5 | 13.7 | 15.3 | <0.001 | <0.001 | 11 | 0.91 |
| | 3.8, 9.5 | 7.3, 11.5 | 9.1, 13.8 | 10.8, 16.5 | 13.0, 17.6 | | | 7.3, 14 | 0.63, 1.18 |
| Total Breakfast Cereal | 16.4 | 17.2 | 20.2 | 23.1 | 23.6 | <0.001 | 0.008 | 10 | 0.49 |
| | 12.7, 20.1 | 14.0, 20.5 | 17.4, 23.0 | 19.9, 26.4 | 20.3, 26.8 | | | 5.0, 15 | 0.25, 0.74 |
| Cakes and Pastries | 13.7 | 14.9 | 16.8 | 17.3 | 18.2 | 0.028 | 0.278 | 5.5 | 0.33 |
| | 10.7, 16.8 | 13.0, 16.9 | 13.8, 19.9 | 15.1, 19.6 | 15.2, 21.1 | | | 0.6, 10 | 0.04, 0.63 |
| Sweet Biscuits | 19.7 | 20.5 | 25.6 | 21.4 | 20.3 | 0.812 | 0.076 | 0.5 | 0.02 |
| | 17.0, 22.4 | 17.7, 23.3 | 22.6, 28.6 | 18.7, 24.1 | 17.2, 23.4 | | | -4.5, 5.5 | -0.21, 0.25 |
| Cakes, Sweet Biscuits and Pastries | 33.5 | 35.4 | 42.4 | 38.7 | 38.5 | 0.061 | 0.120 | 5.9 | 0.16 |
| | 29.2, 37.8 | 31.9, 38.9 | 37.7, 47.0 | 34.7, 42.8 | 34.7, 42.2 | | | -0.4, 12 | -0.01, 0.32 |
| Ice Cream and Dairy Desserts | 26.9 | 33.2 | 36.8 | 34.1 | 32.3 | 0.322 | 0.562 | 4.7 | 0.14 |
| | 20.1, 33.6 | 26.9, 39.4 | 27.2, 46.4 | 27.0, 41.2 | 25.1, 39.5 | | | -5.2, 15 | -0.16, 0.44 |
| Sugar and Preserves | 12.7 | 14.4 | 15.3 | 18.6 | 15.6 | 0.026 | 0.183 | 4.8 | 0.31 |
| | 9.5, 15.9 | 11.8, 17.0 | 11.7, 19.0 | 14.5, 22.6 | 12.4, 18.9 | | | 0.6, 9.0 | 0.04, 0.58 |
| Chocolate Confectionery | 12.9 | 13.5 | 14.2 | 13.7 | 13.2 | 0.906 | 0.965 | 0.2 | 0.01 |
| | 10.1, 15.7 | 10.9, 16.1 | 11.6, 16.8 | 11.4, 16.0 | 11.0, 15.4 | | | -3.4, 3.8 | -0.25, 0.28 |
| SugarConfectionery | 7.9 | 8.2 | 8.1 | 7.4 | 7.1 | 0.321 | 0.822 | -1.3 | -0.17 |
| | 5.4, 10.3 | 6.4, 10.1 | 6.4, 9.8 | 5.5, 9.3 | 5.8,8.4 | | | -3.8, 1.2 | -0.49, 0.16 |
| Total Confectionery | 20.8 | 21.8 | 22.3 | 21.1 | 20.3 | 0.637 | 0.925 | -1.1 | -0.05 |
| | 16.8, 24.8 | 18.8, 24.7 | 18.5, 26.0 | 17.7, 24.5 | 17.7, 22.8 | | | -5.6, 3.4 | -0.26, 0.16 |
| Sugar Containing Soft Drinks | 195 | 173 | 139 | 155 | 127 | 0.006 | 0.020 | -73 | -0.47 |
| | 158, 232 | 147, 198 | 109, 169 | 125, 184 | 92.3, 162 | | | -125, -21 | -0.80, -0.14 |
| Sugar Free Soft Drinks | 120 | 130 | 123 | 148 | 137 | 0.325 | 0.755 | 25 | 0.19 |
| | 84.3, 157 | 101, 159 | 90.0, 156 | 115, 181 | 108, 166 | | | -26, 76 | -0.19, 0.57 |
| Total Soft Drinks | 316 | 303 | 262 | 303 | 264 | 0.198 | 0.180 | -48 | -0.17 |
| | 267, 364 | 263, 342 | 225, 299 | 265, 341 | 215, 313 | | | -122, 27 | -0.42, 0.09 |
| n Households n People n People Weighted⁵ | 221 459 2515 | 255 556 3075 | 258 568 3131 | 269 631 3588 | 263 611 3370 | | | 1266 2825 15679 | 1266 2825 15679 |

¹Household and eating out intakes combined; ²See appendices 1 & 3 for methodology; ³Mean difference in intake (g/person/day with the exception of fish g/person/week) in the most deprived relative to the least deprived (slope of the gradient between the most deprived and the least deprived); ⁴A positive figure indicates that consumption / intakes are highest in the least deprived and a negative figure indicates that consumption / intakes are highest in the most deprived and the least deprived); ⁴A positive figure indicates that consumption / intakes are highest in the most deprived and the least deprived); ⁴A positive figure indicates that consumption / intakes are highest in the most deprived and the least deprived); ⁴A positive figure indicates that consumption / intakes are highest in the most deprived; ⁵The results are weighted to the Scottish population - the number provided is approximately 1000th of the Scottish population; *Scottish Index of Multiple Deprivation (SIMD) Quintiles: 1=Most Deprived; ⁵ELeast Deprived; ** SIL=Slope Index of Inequality; ***RIL=Relative Index of Inequality

Table 11: Mean Consumption¹ of Additional Foods and Drinks Indicative of Diet Quality by SIMD (Table B), 2013 to 2015 Combined - LCFS data (g/person/day)

| Food ² | SIMD Quintile 1* Mean 95% Cl | SIMD Quintile 2 Mean 95% Cl | SIMD Quintile 3 Mean 95% Cl | SIMD Quintile 4 Mean 95% Cl | SIMD Quintile 5* Mean 95% Cl | P-value for Linear Association | P-value for Overall Association | SII ^{3,4} ** 95% CI | RII ⁴ *** 95% CI |
|--|---------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|---------------------------------------|--------------------------------------|---------------------------------------|---------------------------------|--------------------------------|
| Bacon and Ham | 11.9 9.7, 14.1 | 10.8 9.0, 12.5 | 9.9 8.4, 11.4 | 12.8 11.5, 14.2 | 9.9 8.5, 11.4 | 0.632 | 0.014 | -0.7 -3.7, 2.3 | -0.06 -0.33, 0.21 |
| Other Processed Red Meat Products ^{5,6} | 30.3 26.2, 34.4 | 27.3 24.1, 30.4 | 24.1 21.3, 26.9 | 26.0 22.9, 29.1 | 22.2 19.4, 25.1 | 0.002 | 0.016 | -8.3 -13, -3.3 | -0.32 -0.51, -0.13 |
| Savoury Meat Pies | 10.9 8.5, 13.2 | 10.1 8.3, 11.9 | 8.9 7.4, 10.4 | 7.1 | 7.4 | 0.002 | 0.048 | -4.9 -7.9, -1.9 | -0.56 |
| Butter | 7.0 | 5.6 | 8.4 7.1, 9.8 | 8.7 6.9, 10.5 | 8.2 6.6, 9.8 | 0.008 | 0.035 | 2.9 0.8, 5.0 | 0.38 |
| Soft Margarine | 1.8 0.8. 2.8 | 1.8 | 1.5 | 1.7 | 1.8 0.9, 2.7 | 0.937 | 0.982 | 0.1 | 0.04 |
| Low Fat Spread | 5.4 4.0, 6.7 | 6.9 5.2, 8.7 | 4.7 | 4.4 | 4.0 | 0.013 | 0.091 | -2.8 -4.9, -0.7 | -0.56 -0.98, -0.13 |
| Total Spreading Fats | 14.1 | 14.3 12.0, 16.6 | 14.7 13.0, 16.4 | 14.9 13.0, 16.7 | 14.0 | 0.891 | 0.959 | 0.2 | 0.01 |
| Cooking Oil | 8.0 4.6, 11.5 | 8.2 5.1, 11.3 | 5.0 | 5.8 | 4.7 | 0.048 | 0.207 | -4.4 -8.7, -0.1 | -0.70 |
| Cream | 1.6 | 2.6 | 3.8 2.4, 5.2 | 4.2 | 5.1 | <0.001 | <0.001 | 4.2 | 1.17 |
| Cheese | 12.1 10.5, 13.7 | 12.0 10.4, 13.5 | 16.2 13.8, 18.6 | 16.9 15.0, 18.8 | 14.7 12.1, 17.2 | 0.004 | 0.002 | 4.8 | 0.33 |
| Whole Milk | 52.5 39.7, 65.3 | 51.0 36.3, 65.7 | 37.9 29.7, 46.1 | 26.0 18.8, 33.3 | 27.5 18.5, 36.5 | <0.001 | 0.002 | -37 -54, -21 | -0.98 -1.42, -0.55 |
| Semi-skimmed Milk | 116 95, 136 | 118 102, 135 | 133 118, 148 | 143 124, 162 | 143 121, 164 | 0.036 | 0.315 | 39 2.7, 75 | 0.30 |
| Skimmed Milk | 6.8 3.1, 10.6 | 7.3 3.6, 11.1 | 14 4.0, 24.0 | 13.3 6.5, 20.0 | 16.2 8.5, 23.9 | 0.010 | 0.112 | 12 3.0, 21 | 1.02 0.25, 1.78 |
| Total Milk | 202 182, 222 | 192 168, 217 | 197 177, 217 | 195 177, 213 | 201 182, 220 | 0.950 | 0.966 | 1.3 -32, 35 | 0.01 |
| White Fish | 51.8 37.1, 66.4 | 62.5 47.9, 77.1 | 77.2 63.9, 90.4 | 83.2 71.7, 94.6 | 92.9 78.8, 107 | <0.001 | 0.003 | 50 27, 73 | 0.67 0.36, 0.98 |
| Fresh Potatoes | 40.2 30.6, 49.8 | 37.5 30.8, 44.3 | 42.7 35.2, 50.2 | 40.9 35.7.46.0 | 38.6 33.5, 43.7 | 0.994 | 0.876 | 0.0 | 0.00 |
| Processed Potatoes | 32.5 26.9, 38.1 | 31.4 26.6, 36.2 | 29.2 25.4, 32.9 | 28.7 24.5, 32.9 | 25.1 22.7, 27.5 | 0.020 | 0.060 | -8.7 -16, -1.5 | -0.30 |
| Nuts | 2.4 | 2.8 2.0, 3.6 | 4.5 | 4.9 | 4.7 | <0.001 | 0.001 | 3.3 1.8, 4.7 | 0.82 |
| Savoury Snacks | 14.2 | 13.2 11.1, 15.4 | 13.0 10.9, 15.1 | 14.2 | 12.5 | 0.514 | 0.591 | -1.0 | -0.08 |
| n Households n People | 221 459 | 255 556 | 258 568 | 269 631 | 263 611 | | | 1266 2825 | 1266 2825 |
| n People Weighted ⁷ | 2515 | 3075 | 3131 | 3588 | 3370 | | | 15679 | 15679 |

¹Household and eating out intakes combined; ²See appendices 1 & 3 for methodology; ³Mean difference in intake (g/person/day with the exception of fish g/person/week) in the most deprived relative to the least deprived (slope of the gradient between the most deprived and the least deprived); ⁴A positive figure indicates that consumption / intakes are highest in the least deprived and a negative figure indicates that consumption / intakes are highest in the least deprived and a negative figure indicates that consumption / intakes are highest in the least deprived and a negative figure indicates that consumption / intakes are highest in the least deprived; ⁵Mean portion only; ⁶Other processed red meat products includes the meat portion of sausages, meat pies, corned beef, burgers and pate and is a component of total red meat; ⁷The results are weighted to the Scottish population - the number provided is approximately 1000th of the Scottish population; *Scottish Index of Multiple Deprivation (SIMD) Quintiles: 1=Most Deprived; 5=Least Deprived; ** SII=Slope Index of Inequality; ***RI=Relative Index of Inequality; ****

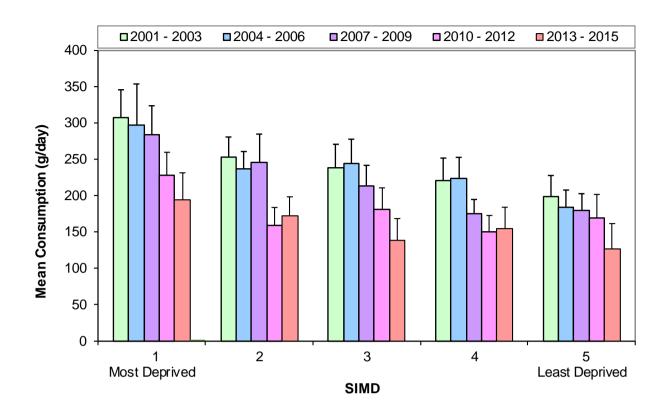


Figure 9: Mean [95% CI] sugar-containing soft drink consumption by SIMD quintile

2013-2015 P (linear association) = 0.006; P (overall association) = 0.020

3.2 Contribution of Foods to Intakes of Energy, Fat, Saturated Fat, NMES and Fibre

3.2.1 Differences in Contributing Foods over Time

Results are presented for food groupings (foods / drinks within these food groupings are presented in **Appendix 8**), which contribute more than 1% of energy, fat, saturated fat, NMES and NSP. Results are provided for population data (i.e. includes consumers and non-consumers) for the contribution of each food grouping to the total nutrient intake for energy in kcal, and for fat, saturated fat, NMES and NSP in grams. The tables presenting results for 2001-2003 to 2013-2015 have been ordered in descending order for the highest overall contributor of energy, fat, saturated fat, NMES and NSP, for 2013-2015. The tables also provide results on percentage contribution to household and eating out consumption for time periods 2013-2015. P-values were calculated for linear and overall association over time of the contributing amount in kcal or g rather than the % contribution, and p-values ≤ 0.01 are highlighted in bold to indicate significance at the 1% level.

Contribution to Energy Intake

As presented in **Table 5**, mean food energy intakes reduced significantly between 2001-2003 and 2013-2015 from 205 to 1889 kcal/day respectively (P<0.001). For 2013-2015, 88% of energy intake was from household food purchases and 12% was from eating out purchases. The proportion of energy obtained from household purchases has increased steadily from 85% for 2001-2003 while the proportion of energy obtained from eating out purchases has reduced steadily from 15% for 2001-2003.

Table 12 shows that the highest contributors to energy were total processed red meat (7.5%), bread and rolls (6.7%), unclassified foods¹ (5.9%), sweet biscuits (5.3%) and total milk (5.3%). With the exception of unclassified foods¹ and sandwiches, household consumption provided the greatest proportion of total energy for each of the food groupings. The highest contributors to total energy from eating out foods and drinks were unclassified foods¹ (3.9%), sandwiches (1.0%), alcoholic drinks (0.8%), total processed red meat (0.7%), processed potatoes (0.7%) and sugar containing soft drinks (0.6%). On the whole, foods for which there was a significant decrease in the absolute amount over time also had a decreasing percentage contribution to energy over time. These foods were bread and rolls, total milk, sugar containing soft drinks, unprocessed red meat, sugar and sandwiches. Conversely the contribution from savoury sauces and dressings, other baked goods, ready meals and pizza to energy increased over the five 3 year periods (**Table 12**).

Contribution to Fat Intake

Table 13 shows that the highest contributors to fat were total spreading fats (12.4%), total processed red meat (12.0%), unclassified foods¹ (6.9%), cooking oil (6.8%), sweet biscuits (5.9%), total milk (5.2%) and total cheese (5.1%). With the exception of unclassified foods¹, sandwiches and eating out main meal components, household consumption provided the greatest proportion of fat for each of the food groupings. The highest contributors to fat from eating out foods and drinks were unclassified foods¹ (4.9%), sandwiches (1.2%), eating out main meal components (1.2%), total processed red meat (1.0%), processed potatoes (0.7%), and cakes, pastries and puddings (0.5%). On the whole, foods for which there was a significant decrease in the absolute amount over time also had a decreasing percentage contribution to energy over time. These foods were total milk, crisps and savoury snacks unprocessed red meat, sandwiches, bread and rolls, and eggs. In contrast,

¹Includes unspecified foods, mainly eaten out such as 'meal', 'school meal' or 'meal at work', and unspecified meals on wheels - see Appendix 3 for details of all foods included in this food grouping

contribution from savoury sauces and dressings, ready meals, nuts, cream, pizza, and total breakfast cereal increased over the five 3 year periods (**Table 13**).

Contribution to Saturated Fat Intake

Table 14 shows that the highest contributors to saturated fat were total spreading fats (16.0%), total processed red meat (12.0%), total milk (8.5%), total cheese (8.4%), sweet biscuits (7.7%), total confectionery (6.3%) and unclassified foods¹ (5.8%). With the exception of unclassified foods¹ and sandwiches, household consumption provided the greatest proportion of saturated fat for each of the food groupings. The highest contributors to saturated fat from eating out foods and drinks were unclassified foods¹ (3.5%), total processed red meat (1.0%), sandwiches (0.9%), and cakes, pastries and puddings (0.5%). On the whole, foods for which there was a significant decrease in the absolute amount over time also had a decreasing percentage contribution to energy over time. These foods were total milk, unprocessed red meat, crisps and savoury snacks, sandwiches, processed potatoes and eggs. In contrast, contribution from cream, pizza and nuts increased (**Table 14**).

Contribution to NMES Intake

Table 15 shows that the highest contributors to NMES were sugar containing soft drinks (20.8%), total confectionery (17.9%), sugar (13.3%), sweet biscuits (8.0%) total fruit and vegetables (6.8%), cakes, pastries and puddings (6.2%) and ice cream and dairy desserts (5.1%). For all food groupings, except alcoholic drinks, household consumption provided the greatest proportion of NMES. The highest contributors to NMES from eating out foods and drinks were sugar-containing soft drinks (3.8%), alcoholic drinks (1.5%), total confectionery (0.9%) and cakes, pastries and puddings (0.6%). Sugar containing soft drinks contributed an average of 22.5g (25.8% of total NMES) in 2001-2003 but this decreased to 14.9g (20.8%) by 2013-2015. The percentage contribution from sugar, and alcoholic drinks decreased between 2001-2003 and 2013-2015 and percentage contribution from ice cream and dairy desserts increased (**Table 15**).

Contribution to NSP Intake

Table 16 shows that the highest contributors to NSP were total fruit and vegetables (24.1%), bread and rolls (13.5%), total breakfast cereals (9.7%), unclassified foods¹ (9.2%) and processed potatoes (5.2%). With the exception of unclassified foods¹, eating out main meal components and sandwiches, household consumption provided the greatest proportion of NSP for each of the food groupings. The highest contributors to NSP from eating out foods and drinks were unclassified foods¹ (6.5%), eating out main meal component (1.4%), processed potatoes (1.2%), sandwiches (0.9%) and fruit and vegetables (0.7%). A significant decrease in the contribution of bread and rolls, crisps and savoury snacks, potatoes, and sandwiches to NSP was seen in absolute terms, which was reflected in a decreasing percentage contributed. However, a small significant increase in the contribution from pasta, rice and noodles, other baked goods (i.e. items such as non-standard breads such as garlic bread, teacakes etc.), total confectionery, cakes pastries and puddings, ready meals, savoury sauces and dressings, nuts, and savoury biscuits was observed (**Table 16**).

¹ Includes unspecified foods, mainly eaten out such as 'meal', 'school meal' or 'meal at work', and unspecified meals on wheels - see Appendix 3 for details of all foods included in this food grouping

Table 12: Mean contribution of foods providing more than 1% of energy (2001-2015 data)

| | % Coi | ntribution to Tot | al kcal | | kcal (% C | ontribution to | ſotal kcal) | | P-Value for | P-value for |
|---------------------------------------|-------|-------------------|------------|------------|------------|----------------|-------------|------------|--------------------------|--------------------------|
| Food Grouping ¹ | | 2013-2015 | | 2001-2003 | 2004-2006 | 2007-2009 | 2010-2012 | 2013-2015 | Linear | Overall |
| | All | Household | Eating Out | All | All | All | All | All | Association ² | Association ³ |
| Total Processed Red Meat ⁴ | 7.5 | 6.8 | 0.7 | 163 (7.7) | 152 (7.4) | 152 (7.2) | 151 (7.5) | 146 (7.5) | 0.004 | 0.012 |
| Bread and Rolls | 6.7 | 6.6 | 0.1 | 189 (8.9) | 172 (8.3) | 157 (7.5) | 147 (7.3) | 130 (6.7) | <0.001 | <0.001 |
| Unclassified Foods⁵ | 5.9 | 1.9 | 3.9 | 130 (6.1) | 108 (5.2) | 116 (5.5) | 112 (5.6) | 115 (5.9) | 0.261 | 0.207 |
| Sweet Biscuits | 5.3 | 5.2 | 0.1 | 110 (5.2) | 104 (5.0) | 114 (5.4) | 98.8 (4.9) | 103 (5.3) | 0.048 | 0.028 |
| Total Milk | 5.3 | 5.2 | 0.1 | 139 (6.5) | 125 (6.0) | 124 (5.9) | 113 (5.6) | 104 (5.3) | <0.001 | <0.001 |
| Total Spreading Fats | 4.8 | 4.8 | 0.0 | 102 (4.8) | 97.0 (4.7) | 95.5 (4.5) | 96.8 (4.8) | 93.9 (4.8) | 0.097 | 0.406 |
| Total Fruit and Vegetables | 4.7 | 4.6 | 0.1 | 93.7 (4.4) | 102 (5.0) | 106 (5.0) | 98.1 (4.9) | 91.9 (4.7) | 0.289 | 0.001 |
| Total Confectionery | 4.7 | 4.5 | 0.2 | 97.5 (4.6) | 90.9 (4.4) | 96.7 (4.6) | 92.0 (4.6) | 92.2 (4.7) | 0.364 | 0.540 |
| Total Breakfast Cereal | 3.8 | 3.8 | 0.0 | 69.8 (3.3) | 70.5 (3.4) | 82.4 (3.9) | 77.9 (3.9) | 73.8 (3.8) | 0.105 | 0.024 |
| Alcoholic Drinks | 3.6 | 2.8 | 0.8 | 82.3 (3.9) | 83.3 (4.0) | 76.5 (3.6) | 79.6 (4.0) | 71.1 (3.6) | 0.019 | 0.122 |
| Crisps and Sav oury Snacks | 3.4 | 3.2 | 0.2 | 75.1 (3.5) | 63.4 (3.1) | 67.5 (3.2) | 61.9 (3.1) | 67.1 (3.4) | 0.005 | <0.001 |
| Pasta, Rice and Noodles | 3.2 | 3.0 | 0.2 | 56.7 (2.7) | 53.8 (2.6) | 58.1 (2.8) | 62.4 (3.1) | 61.8 (3.2) | 0.233 | 0.686 |
| Cakes, Pastries and Puddings | 3.1 | 2.6 | 0.4 | 64.1 (3.0) | 64.1 (3.1) | 63.7 (3.0) | 59.6 (3.0) | 59.7 (3.1) | 0.046 | 0.201 |
| Sugar Containing Soft Drinks | 2.9 | 2.4 | 0.6 | 87.3 (4.1) | 81.5 (3.9) | 75.5 (3.6) | 65.4 (3.3) | 57.0 (2.9) | <0.001 | <0.001 |
| Cooking Oil | 2.6 | 2.6 | 0.0 | 44.2 (2.1) | 50.5 (2.4) | 54.2 (2.6) | 52.0 (2.6) | 51.6 (2.6) | 0.167 | 0.274 |
| Processed Potatoes | 2.6 | 1.9 | 0.7 | 55.5 (2.6) | 47.7 (2.3) | 47.9 (2.3) | 49.9 (2.5) | 50.6 (2.6) | 0.155 | 0.002 |
| Total Cheese | 2.6 | 2.6 | 0.0 | 51.6 (2.4) | 51.6 (2.5) | 56.1 (2.7) | 52.8 (2.6) | 51.4 (2.6) | 0.914 | 0.229 |
| Unprocessed Red Meat | 2.2 | 2.1 | 0.1 | 55.6 (2.6) | 51.4 (2.5) | 52.2 (2.5) | 50.2 (2.5) | 43.7 (2.2) | <0.001 | 0.003 |
| Ice Cream and Dairy Desserts | 1.9 | 1.8 | 0.1 | 34.8 (1.6) | 34.5 (1.7) | 34.5 (1.6) | 34.3 (1.7) | 36.8 (1.9) | 0.403 | 0.812 |
| Poultry | 1.9 | 1.7 | 0.2 | 37.0 (1.7) | 38.3 (1.9) | 37.4 (1.8) | 39.1 (1.9) | 36.6 (1.9) | 0.998 | 0.775 |
| Savoury Sauces and Dressings | 1.8 | 1.8 | 0.1 | 29.8 (1.4) | 33.2 (1.6) | 39.4 (1.9) | 37.6 (1.9) | 35.9 (1.8) | <0.001 | <0.001 |
| Sugar | 1.8 | 1.8 | 0.0 | 51.3 (2.4) | 41.9 (2.0) | 42.4 (2.0) | 43.3 (2.2) | 35.7 (1.8) | 0.001 | 0.005 |
| Other Baked Goods | 1.7 | 1.6 | 0.1 | 24.6 (1.2) | 28.4 (1.4) | 32.7 (1.6) | 31.2 (1.6) | 33.0 (1.7) | <0.001 | <0.001 |
| Ready Meals | 1.7 | 1.7 | 0.0 | 28.0 (1.3) | 31.2 (1.5) | 32.1 (1.5) | 33.1 (1.6) | 32.9 (1.7) | <0.001 | 0.003 |
| Potatoes | 1.5 | 1.3 | 0.1 | 26.0 (1.2) | 36.2 (1.8) | 33.6 (1.6) | 30.7 (1.5) | 28.7 (1.5) | 0.933 | <0.001 |
| Pizza | 1.4 | 1.3 | 0.2 | 21.7 (1.0) | 23.1 (1.1) | 23.1 (1.1) | 28.8 (1.4) | 27.8 (1.4) | <0.001 | <0.001 |
| Sandwiches | 1.3 | 0.2 | 1.0 | 31.3 (1.5) | 30.1 (1.5) | 29.4 (1.4) | 27.4 (1.4) | 24.5 (1.3) | <0.001 | 0.004 |
| Yoghurt and Fromage Frais | 1.1 | 1.1 | 0.0 | 18.3 (0.9) | 23.1 (1.1) | 23.5 (1.1) | 23.3 (1.2) | 21.3 (1.1) | 0.043 | <0.001 |
| Other Food Groupings ⁶ | 8.6 | 7.1 | 1.6 | 156 (7.3) | 175 (8.4) | 183 (8.7) | 161 (7.9) | 174 (8.6) | - | - |

¹See Appendix 8 for details of foods in each food grouping; ²P-values are for the linear association over time of the contributing amount in kcal; ³P-values are for the overall association over time of the contributing amount in kcal; ⁴May include starch component e.g. pastry / potato / bread; ⁵Includes unspecified foods, mainly eating out such as 'meal', 'school meal' or 'meal at work', and unspecified meals on wheels - see Appendix 3 for details of all foods included in this food grouping; ⁶Includes all food groupings not already listed - a full list of food groupings is provided in Appendix 7

Table 13: Mean contribution of foodsproviding more than 1% of fat (2001-2015 data)

| | % Co | ntribution to To | tal Fat | | Fat g (% | Contribution to | Total Fat) | | P-Value for | P-value for |
|---------------------------------------|------|------------------|------------|-------------|-------------|-----------------|-------------|-------------|--------------------------|--------------------------|
| Food Grouping ¹ | | 2013-2015 | | 2001-2003 | 2004-2006 | 2007-2009 | 2010-2012 | 2013-2015 | Linear | Overall |
| | All | Household | Eating Out | All | All | All | All | All | Association ² | Association ³ |
| Total Spreading Fats | 12.4 | 12.3 | 0.1 | 11.1 (12.5) | 10.6 (12.3) | 10.5 (11.8) | 10.7 (12.6) | 10.4 (12.4) | 0.139 | 0.502 |
| Total Processed Red Meat ⁴ | 12.0 | 11.0 | 1.0 | 11.3 (12.7) | 10.5 (12.1) | 10.5 (11.7) | 10.4 (12.3) | 10.1 (12.0) | 0.002 | 0.007 |
| Unclassified Foods⁵ | 6.9 | 1.9 | 4.9 | 6.7 (7.5) | 5.5 (6.3) | 5.9 (6.6) | 5.6 (6.6) | 5.8 (6.9) | 0.171 | 0.157 |
| Cooking Oil | 6.8 | 6.8 | 0.0 | 4.9 (5.5) | 5.6 (6.5) | 6.0 (6.8) | 5.8 (6.8) | 5.7 (6.8) | 0.167 | 0.274 |
| Sweet Biscuits | 5.9 | 5.8 | 0.1 | 5.3 (6.0) | 5.0 (5.7) | 5.4 (6.0) | 4.7 (5.6) | 4.9 (5.9) | 0.027 | 0.029 |
| Total Milk | 5.2 | 5.1 | 0.1 | 6.5 (7.3) | 5.6 (6.5) | 5.4 (6.0) | 4.8 (5.7) | 4.4 (5.2) | <0.001 | <0.001 |
| Total Cheese | 5.1 | 5.0 | 0.0 | 4.3 (4.8) | 4.3 (4.9) | 4.6 (5.2) | 4.3 (5.1) | 4.2 (5.1) | 0.998 | 0.184 |
| Crisps and Sav oury Snacks | 4.5 | 4.1 | 0.3 | 4.6 (5.1) | 3.9 (4.5) | 4.0 (4.5) | 3.5 (4.1) | 3.8 (4.5) | <0.001 | <0.001 |
| Total Confectionery | 4.5 | 4.3 | 0.2 | 3.8 (4.3) | 3.7 (4.2) | 4.0 (4.5) | 3.8 (4.5) | 3.7 (4.5) | 0.951 | 0.645 |
| Unprocessed Red Meat | 3.4 | 3.3 | 0.1 | 3.7 (4.1) | 3.3 (3.9) | 3.5 (3.9) | 3.3 (3.8) | 2.8 (3.4) | <0.001 | 0.002 |
| Cakes, Pastries and Puddings | 3.3 | 2.8 | 0.5 | 2.9 (3.2) | 2.9 (3.3) | 3.0 (3.3) | 2.8 (3.3) | 2.8 (3.3) | 0.332 | 0.511 |
| Savoury Sauces and Dressings | 3.0 | 2.8 | 0.2 | 1.9 (2.2) | 2.3 (2.6) | 2.8 (3.1) | 2.6 (3.1) | 2.5 (3.0) | <0.001 | <0.001 |
| Poultry | 2.4 | 2.2 | 0.2 | 2.0 (2.2) | 2.1 (2.4) | 2.0 (2.2) | 2.1 (2.5) | 2.0 (2.4) | 0.591 | 0.628 |
| Processed Potatoes | 2.3 | 1.6 | 0.7 | 2.2 (2.5) | 1.9 (2.2) | 1.8 (2.1) | 1.8 (2.2) | 1.9 (2.3) | 0.002 | <0.001 |
| Ice Cream and Dairy Desserts | 2.1 | 2.0 | 0.2 | 1.9 (2.1) | 1.9 (2.2) | 1.8 (2.0) | 1.7 (2.0) | 1.8 (2.1) | 0.060 | 0.140 |
| Ready Meals | 2.0 | 2.0 | 0.0 | 1.3 (1.5) | 1.5 (1.8) | 1.6 (1.8) | 1.6 (1.9) | 1.6 (2.0) | <0.001 | <0.001 |
| Nuts | 1.9 | 1.9 | 0.0 | 0.7 (0.8) | 1.2 (1.4) | 1.4 (1.6) | 1.2 (1.4) | 1.6 (1.9) | <0.001 | <0.001 |
| Cream | 1.6 | 1.5 | 0.0 | 0.9 (1.0) | 1.1 (1.3) | 1.1 (1.3) | 1.2 (1.4) | 1.3 (1.6) | <0.001 | 0.001 |
| Sandwiches | 1.5 | 0.3 | 1.2 | 1.6 (1.8) | 1.5 (1.8) | 1.5 (1.7) | 1.4 (1.6) | 1.2 (1.5) | <0.001 | 0.004 |
| Bread and Rolls | 1.4 | 1.3 | 0.0 | 1.7 (1.9) | 1.6 (1.9) | 1.5 (1.7) | 1.4 (1.6) | 1.2 (1.4) | <0.001 | <0.001 |
| Eggs | 1.3 | 1.2 | 0.1 | 1.5 (1.7) | 1.3 (1.5) | 1.4 (1.6) | 1.2 (1.4) | 1.1 (1.3) | <0.001 | <0.001 |
| Pizza | 1.3 | 1.1 | 0.2 | 0.8 (0.9) | 0.9 (1.0) | 0.8 (1.0) | 1.1 (1.3) | 1.1 (1.3) | <0.001 | <0.001 |
| Eating Out Main Meal Component | 1.2 | 0.0 | 1.2 | 0.6 (0.7) | 1.0 (1.2) | 0.9 (1.0) | 0.8 (0.9) | 1.0 (1.2) | 0.096 | 0.002 |
| Total Breakfast Cereal | 1.0 | 1.0 | 0.0 | 0.6 (0.7) | 0.7 (0.8) | 0.9 (1.0) | 0.8 (1.0) | 0.8 (1.0) | <0.001 | <0.001 |
| Other Food Groupings ⁶ | 7.0 | 6.3 | 1.1 | 6.4 (7.0) | 6.5 (7.7) | 6.8 (7.6) | 6.1 (7.3) | 6.1 (7.0) | - | - |

¹See Appendix 8 for details of foods in each food grouping;²P-values are for the linear association over time of the contributing amount in g; ³P-values are for the overall association over time of the contributing amount in g; ³P-values are for the overall association over time of the contributing amount in g; ⁴May include starch component e.g. pastry / potato / bread; ⁵Includes unspecified foods, mainly eating out such as 'meal', 'school meal' or 'meal at work', and unspecified meals on wheels - see Appendix 8 for details of all foods included in this food grouping; ⁶Includes all food groupings not already listed - a full list of food groupings is provided in Appendix 7

| | % Contr | ibution to Satu | rated Fat | S | aturated Fat g (| % Contribution | to Saturated F | at) | P-Value for | P-value for |
|---------------------------------------|---------|-----------------|------------|------------|------------------|----------------|----------------|------------|--------------------------|--------------------------|
| Food Grouping ¹ | | 2013-2015 | | 2001-2003 | 2004-2006 | 2007-2009 | 2010-2012 | 2013-2015 | Linear | Overall |
| | All | Household | Eating Out | All | All | All | All | All | Association ² | Association ³ |
| Total Spreading Fats | 16.0 | 15.9 | 0.1 | 4.6 (13.0) | 4.9 (14.2) | 4.7 (13.8) | 5.0 (15.5) | 5.1 (16.0) | 0.057 | 0.331 |
| Total Processed Red Meat ⁴ | 12.0 | 11.0 | 1.0 | 4.4 (12.3) | 4.0 (11.8) | 4.0 (11.6) | 4.0 (12.3) | 3.8 (12.0) | 0.001 | 0.003 |
| Total Milk | 8.5 | 8.3 | 0.2 | 4.1 (11.5) | 3.5 (10.2) | 3.4 (9.7) | 3.0 (9.2) | 2.7 (8.5) | <0.001 | <0.001 |
| Total Cheese | 8.4 | 8.3 | 0.0 | 2.7 (7.6) | 2.7 (7.9) | 3.0 (8.6) | 2.7 (8.5) | 2.7 (8.4) | 0.860 | 0.161 |
| Sweet Biscuits | 7.7 | 7.6 | 0.1 | 2.8 (7.9) | 2.6 (7.5) | 2.7 (7.8) | 2.4 (7.4) | 2.5 (7.7) | 0.001 | 0.003 |
| Total Confectionery | 6.3 | 6.0 | 0.3 | 2.1 (6.1) | 2.0 (6.0) | 2.2 (6.5) | 2.1 (6.4) | 2.0 (6.3) | 0.359 | 0.434 |
| Unclassified Foods⁵ | 5.8 | 2.3 | 3.5 | 2.0 (5.7) | 1.7 (5.0) | 1.9 (5.5) | 1.8 (5.5) | 1.8 (5.8) | 0.419 | 0.260 |
| Cakes, Pastries and Puddings | 3.7 | 3.1 | 0.5 | 1.2 (3.5) | 1.2 (3.6) | 1.3 (3.6) | 1.2 (3.6) | 1.2 (3.7) | 0.076 | 0.250 |
| Ice Cream and Dairy Desserts | 3.7 | 3.5 | 0.2 | 1.2 (3.5) | 1.2 (3.6) | 1.2 (3.5) | 1.1 (3.4) | 1.2 (3.7) | 0.155 | 0.311 |
| Unprocessed Red Meat | 3.7 | 3.6 | 0.1 | 1.5 (4.4) | 1.4 (4.2) | 1.5 (4.2) | 1.4 (4.3) | 1.2 (3.7) | <0.001 | 0.002 |
| Cream | 2.6 | 2.6 | 0.0 | 0.6 (1.6) | 0.7 (2.0) | 0.7 (2.1) | 0.8 (2.4) | 0.8 (2.6) | <0.001 | 0.001 |
| Cooking Oil | 2.1 | 2.1 | 0.0 | 0.6 (1.6) | 0.6 (1.9) | 0.7 (2.0) | 0.7 (2.1) | 0.7 (2.1) | 0.103 | 0.135 |
| Poultry | 1.8 | 1.6 | 0.2 | 0.6 (1.6) | 0.6 (1.7) | 0.6 (1.6) | 0.6 (1.8) | 0.6 (1.8) | 0.589 | 0.634 |
| Crisps and Savoury Snacks | 1.6 | 1.2 | 0.4 | 1.8 (5.1) | 1.5 (4.4) | 1.2 (3.3) | 0.5 (1.5) | 0.5 (1.6) | <0.001 | <0.001 |
| Pizza | 1.4 | 1.2 | 0.2 | 0.3 (0.9) | 0.4 (1.0) | 0.3 (1.0) | 0.4 (1.4) | 0.4 (1.4) | <0.001 | <0.001 |
| Ready Meals | 1.2 | 1.2 | 0.0 | 0.4 (1.1) | 0.4 (1.3) | 0.4 (1.2) | 0.4 (1.2) | 0.4 (1.2) | 0.261 | 0.367 |
| Sandwiches | 1.2 | 0.3 | 0.9 | 0.5 (1.3) | 0.4 (1.3) | 0.5 (1.3) | 0.4 (1.3) | 0.4 (1.2) | 0.001 | 0.003 |
| Processed Potatoes | 1.1 | 0.9 | 0.2 | 0.4 (1.2) | 0.4 (1.1) | 0.3 (0.9) | 0.3 (1.0) | 0.3 (1.1) | <0.001 | <0.001 |
| Eggs | 1.0 | 0.9 | 0.1 | 0.4 (1.2) | 0.4 (1.1) | 0.4 (1.1) | 0.3 (1.0) | 0.3 (1.0) | <0.001 | <0.001 |
| Nuts | 1.0 | 1.0 | 0.0 | 0.2 (0.4) | 0.2 (0.7) | 0.3 (0.9) | 0.2 (0.8) | 0.3 (1.0) | <0.001 | <0.001 |
| Savoury Sauces and Dressings | 1.0 | 0.9 | 0.1 | 0.3 (0.9) | 0.4 (1.1) | 0.4 (1.2) | 0.3 (1.1) | 0.3 (1.0) | 0.679 | <0.001 |
| Other Food Groupings ⁶ | 8.2 | 6.8 | 1.6 | 2.7 (7.6) | 3.0 (8.4) | 2.8 (8.6) | 2.7 (8.3) | 2.7 (8.2) | - | - |

Table 14: Mean contribution of foods providing more than 1% of saturated fat (2001-2015 data)

¹See Appendix 8 for details of foods in each food grouping;²P-values are for the linear association over time of the contributing amount in g; ³P-values are for the overall association over time of the contributing amount in g; ⁴May include starch component e.g. pastry / potato / bread; ⁵Includes unspecified foods, mainly eating out such as 'meal', 'school meal' or 'meal at work', and unspecified meals on wheels - see Appendix 8 for details of all foods included in this food grouping; ⁶Includes all food groupings not already listed - a full list of food groupings is provided in Appendix 7

| | % C | ontribution to N | IMES | | NMES g (' | % Contribution | to NMES) | | P-Value for | P-value for Overall |
|---|------|------------------|------------|-------------|-------------|----------------|-------------|-------------|--------------------------|--------------------------|
| Food Grouping ¹ | | 2013-2015 | | 2001-2003 | 2004-2006 | 2007-2009 | 2010-2012 | 2013-2015 | Linear | |
| | All | Household | Eating Out | All | All | All | All | All | Association ² | Association ³ |
| Sugar Containing Soft Drinks | 20.8 | 17.0 | 3.8 | 22.5 (25.8) | 21.1 (25.6) | 19.5 (23.7) | 17.0 (22.2) | 14.9 (20.8) | <0.001 | <0.001 |
| Total Confectionery | 17.9 | 16.9 | 0.9 | 13.9 (16.0) | 12.8 (15.5) | 13.3 (16.1) | 12.6 (16.5) | 12.8 (17.9) | 0.131 | 0.248 |
| Sugar | 13.3 | 13.2 | 0.0 | 13.7 (15.7) | 11.2 (13.6) | 11.3 (13.7) | 11.5 (15.1) | 9.5 (13.3) | 0.001 | 0.005 |
| Sweet Biscuits | 8.0 | 7.9 | 0.1 | 6.3 (7.3) | 5.8 (7.1) | 6.4 (7.8) | 5.5 (7.2) | 5.7 (8.0) | 0.007 | 0.006 |
| Total Fruit and Vegetables | 6.8 | 6.4 | 0.4 | 5.7 (6.6) | 6.1 (7.4) | 6.4 (7.8) | 5.9 (7.7) | 4.9 (6.8) | 0.030 | 0.011 |
| Cakes, Pastries and Puddings | 6.2 | 5.6 | 0.6 | 4.9 (5.6) | 4.9 (6.0) | 4.8 (5.8) | 4.4 (5.8) | 4.4 (6.2) | 0.009 | 0.042 |
| Ice Cream and Dairy Desserts | 5.1 | 4.9 | 0.2 | 2.9 (3.3) | 2.8 (3.4) | 3.0 (3.6) | 3.3 (4.4) | 3.7 (5.1) | <0.001 | <0.001 |
| Jam, Marmalade, Honey and Sweet Spreads | 4.9 | 4.9 | 0.1 | 3.2 (3.7) | 3.5 (4.3) | 3.9 (4.7) | 3.5 (4.6) | 3.5 (4.9) | 0.424 | 0.276 |
| Total Breakfast Cereal | 3.5 | 3.5 | 0.0 | 2.9 (3.3) | 2.6 (3.1) | 2.9 (3.6) | 2.5 (3.2) | 2.5 (3.5) | 0.042 | 0.027 |
| Savoury Sauces and Dressings | 2.6 | 2.6 | 0.0 | 2.0 (2.3) | 1.9 (2.4) | 2.0 (2.4) | 2.0 (2.6) | 1.9 (2.6) | 0.242 | 0.474 |
| Alcoholic Drinks | 2.5 | 1.0 | 1.5 | 2.7 (3.1) | 2.7 (3.3) | 2.3 (2.7) | 2.2 (2.9) | 1.8 (2.5) | <0.001 | <0.001 |
| Yoghurt and Fromage Frais | 2.4 | 2.4 | 0.0 | 1.5 (1.7) | 1.8 (2.2) | 1.9 (2.3) | 1.9 (2.4) | 1.7 (2.4) | 0.038 | <0.001 |
| Unclassified Foods ⁴ | 1.0 | 0.7 | 0.4 | 0.9 (1.0) | 0.9 (1.0) | 0.9 (1.1) | 0.8 (1.0) | 0.7 (1.0) | 0.023 | 0.229 |
| Other Food Groupings⁵ | 5.0 | 4.1 | 0.9 | 4.1 (4.6) | 4.2 (5.1) | 3.8 (4.7) | 3.5 (4.4) | 3.7 (5.0) | - | - |

Table 15: Mean contribution of foods providing more than 1% of NMES (2001-2015 data)

¹See Appendix 8 for details of foods in each food grouping;²P-values are for the linear association over time of the contributing amount in g; ³P-values are for the overall association over time of the contributing amount in g; ³P-values are for the overall association over time of the contributing amount in g; ³P-values are for the overall association over time of the contributing amount in g; ⁴Includes unspecified foods, mainly eating out such as 'meal', 'school meal' or 'meal at work', and unspecified meals on wheels - see Appendix 8 for details of all foods included in this food grouping; ⁵Includes all food groupings not already listed - a full list of food groupings is provided in Appendix 7

| | % (| Contribution to | NSP | | NSP g (| % Contribution | to NSP) | | P-Value for | P-value for |
|---------------------------------------|------|-----------------|------------|------------|------------|----------------|------------|------------|--------------------------|--------------------------|
| Food Grouping ¹ | | 2013-2015 | | 2001-2003 | 2004-2006 | 2007-2009 | 2010-2012 | 2013-2015 | Linear | Overall |
| | All | Household | Eating Out | All | All | All | All | All | Association ² | Association ³ |
| Total Fruit and Vegetables | 24.1 | 23.4 | 0.7 | 2.9 (23.5) | 3.1 (25.1) | 3.2 (25.1) | 2.9 (24.1) | 2.9 (24.1) | 0.306 | 0.006 |
| Bread and Rolls | 13.5 | 13.4 | 0.1 | 2.0 (16.3) | 2.0 (16.2) | 1.9 (14.7) | 1.8 (14.4) | 1.6 (13.5) | <0.001 | <0.001 |
| Total Breakfast Cereal | 9.7 | 9.7 | 0.0 | 1.3 (10.5) | 1.2 (9.5) | 1.3 (10.3) | 1.2 (10.0) | 1.2 (9.7) | 0.192 | 0.091 |
| Unclassified Foods⁴ | 9.2 | 2.7 | 6.5 | 1.3 (10.4) | 1.0 (8.4) | 1.1 (8.7) | 1.1 (8.7) | 1.1 (9.2) | 0.167 | 0.137 |
| Processed Potatoes | 5.2 | 4.1 | 1.2 | 0.6 (5.1) | 0.5 (4.3) | 0.6 (4.4) | 0.6 (5.1) | 0.6 (5.2) | 0.287 | 0.001 |
| Pasta, Rice and Noodles | 3.8 | 3.6 | 0.2 | 0.4 (3.0) | 0.4 (3.3) | 0.5 (3.7) | 0.5 (3.8) | 0.4 (3.8) | 0.007 | <0.001 |
| Sweet Biscuits | 3.7 | 3.7 | 0.1 | 0.4 (3.5) | 0.4 (3.3) | 0.5 (3.6) | 0.4 (3.5) | 0.4 (3.7) | 0.362 | 0.055 |
| Crisps and Sav oury Snacks | 3.6 | 3.3 | 0.4 | 0.7 (5.4) | 0.6 (4.5) | 0.5 (3.7) | 0.4 (3.5) | 0.4 (3.6) | <0.001 | <0.001 |
| Total Processed Red Meat ⁵ | 2.8 | 2.4 | 0.4 | 0.3 (2.5) | 0.3 (2.4) | 0.3 (2.3) | 0.3 (2.8) | 0.3 (2.8) | 0.003 | 0.003 |
| Potatoes | 2.6 | 2.3 | 0.3 | 0.4 (3.2) | 0.6 (4.8) | 0.5 (4.3) | 0.4 (3.6) | 0.3 (2.6) | <0.001 | <0.001 |
| Other Baked Goods | 2.5 | 2.3 | 0.1 | 0.2 (1.6) | 0.2 (2.0) | 0.3 (2.2) | 0.3 (2.3) | 0.3 (2.5) | <0.001 | <0.001 |
| Total Confectionery | 2.2 | 2.2 | 0.0 | 0.1 (1.1) | 0.1 (1.1) | 0.2 (1.2) | 0.3 (2.2) | 0.3 (2.2) | <0.001 | <0.001 |
| Cakes, Pastries and Puddings | 1.9 | 1.6 | 0.3 | 0.2 (1.5) | 0.2 (1.5) | 0.2 (1.6) | 0.2 (1.8) | 0.2 (1.9) | <0.001 | <0.001 |
| Ready Meals | 1.9 | 1.9 | 0.0 | 0.2 (1.4) | 0.2 (1.5) | 0.2 (1.5) | 0.2 (1.8) | 0.2 (1.9) | <0.001 | <0.001 |
| Flour | 1.6 | 1.6 | 0.0 | 0.1 (1.0) | 0.2 (1.2) | 0.2 (1.6) | 0.2 (1.3) | 0.2 (1.6) | 0.015 | 0.017 |
| Nuts | 1.6 | 1.6 | 0.0 | 0.1 (0.7) | 0.1 (1.2) | 0.2 (1.4) | 0.1 (1.2) | 0.2 (1.6) | <0.001 | <0.001 |
| Pizza | 1.6 | 1.3 | 0.2 | 0.2 (1.4) | 0.2 (1.5) | 0.2 (1.3) | 0.2 (1.6) | 0.2 (1.6) | 0.080 | 0.110 |
| Savoury Sauces and Dressings | 1.6 | 1.5 | 0.1 | 0.2 (1.3) | 0.2 (1.5) | 0.2 (1.6) | 0.2 (1.6) | 0.2 (1.6) | 0.001 | <0.001 |
| Eating Out Main Meal Component | 1.4 | 0.0 | 1.4 | 0.1 (0.8) | 0.2 (1.3) | 0.1 (1.2) | 0.1 (1.1) | 0.2 (1.4) | 0.084 | 0.003 |
| Sandwiches | 1.2 | 0.2 | 0.9 | 0.2 (1.4) | 0.2 (1.4) | 0.2 (1.3) | 0.2 (1.3) | 0.1 (1.2) | 0.001 | 0.005 |
| Sav oury Biscuits | 1.2 | 1.2 | 0.0 | 0.1 (0.8) | 0.1 (0.9) | 0.1 (1.0) | 0.1 (1.1) | 0.1 (1.2) | <0.001 | 0.004 |
| Soup | 1.0 | 0.6 | 0.4 | 0.1 (1.1) | 0.1 (1.1) | 0.1 (1.0) | 0.1 (1.2) | 0.1 (1.0) | 0.244 | 0.153 |
| Other Food Groupings ⁶ | 2.1 | 1.9 | 0.2 | 0.2 (2.5) | 0.3 (2.0) | 0.2 (2.3) | 0.4 (2.0) | 0.4 (2.1) | - | - |

Table 16: Mean contribution of foods providing more than 1% of NSP (2001-2015 data)

¹Please see Appendix 8 for details of foods in each food grouping; ²P-values are for the linear association over time of the contributing amount in g; ³P-values are for the overall association over time of the contributing amount in g; ⁴Includes unspecified foods, mainly eating out such as 'meal', 'school meal' or 'meal at work', and unspecified meals on wheels - see Appendix 8 for details of all foods included in this food grouping; ⁵May include starch component e.g. pastry / potato / bread; ⁵Full list of food groupings are provided in Appendix 2; ⁶Includes all food groupings not already listed - a full list of food groupings is provided in Appendix 7

3.2.2 Differences in Contributing Foods over Time by SIMD

Tables 17-21 present the contribution of foods to intakes of energy, fat, saturated fat, NMES and NSP by SIMD quintile for 2013 to 2015. The tables have been arranged in descending order of the greatest absolute difference between SIMD quintile 1 and SIMD quintile 5 for energy, fat, saturated fat, NMES and NSP. A pragmatic decision was taken to present only the results for food groupings where there was both a significant difference for linear association at p<0.05 and an absolute difference between SIMD quintile 1 and SIMD quintile 5 which was greater than or equal to 10kcal or 0.1g. Percentage contributions presented are based on the total intake for the SIMD quintile rather than that of the overall population. P-values were calculated for linear and overall association with the contributing amount in kcal or g rather than the % contribution, with p-values ≤ 0.01 highlighted in bold to indicate significance at the 1% level. The absolute difference column is the absolute difference between the most and the least deprived quintile and is a simple measure of inequality. A positive figure shows that contribution of the food grouping is greater in the least deprived quintile and a negative figure shows that contribution of the food grouping is greater in the least deprived quintile.

Energy

Table 17 shows that the foods, contributing to energy intake, for which there were absolute differences greater than or equal to 25kcal between SIMD quintiles were total processed red meat, cooking oil, and bread and rolls (consumed more in the most deprived) and alcoholic drinks, total fruit and vegetables, and total breakfast cereals (consumed more in the least deprived).

Fat

Table 18 shows that the foods, contributing to fat intake, for which there were absolute differences greater than or equal to one gram between SIMD quintiles were total processed red meat, cooking oil and whole milk (consumed more in the most deprived) and cream, butter, and nuts (consumed more in the least deprived).

Saturated Fat

Table 19 shows that the foods, contributing to saturated fat intake, for which there were absolute differences greater than or equal to 0.5 grams between SIMD quintiles were total processed red meat and whole milk (consumed more in the most deprived) and cream, butter, and total cheese (consumed more in the least deprived).

NMES

Table 20 shows that the foods, contributing to NMES intake, for which there were absolute differences greater than or equal to 0.5 grams between SIMD quintiles were sugar containing soft drinks (consumed more in the most deprived) and total fruit and vegetables; jam, marmalade honey and sweet spreads; cakes pastries and puddings; alcoholic drinks; yoghurt and fromage frais; and wholegrain/high fibre breakfast cereal (consumed more in the least deprived). It should be noted that sugar containing soft drinks contributed 6.6g more NMES in the most deprived than in the least deprived.

NSP

Table 21 shows that the foods, contributing to NSP intake, for which there were absolute differences greater than or equal to 0.5 grams between SIMD quintiles were total fruit and vegetables and total breakfast cereal. They contributed the majority of the additional NSP consumed by the least deprived compared to the most deprived and as such fruit and vegetables and breakfast cereals that are high in fibre and low in NMES continue to be two key food groupings to be targeted in healthy eating messages to consumers and policy makers.

Table 17: Mean contribution to energy from selected foods¹ by SIMD (LCFS Household and Eating Out Data for 2013 to 2015 combined)

| | Overall kcal (%) | | | SIMD Quintile kcal (%) | | Absolute difference between SIMD 1 and SIMD 5 | P-value for linear association | P-value for overall association | |
|---|---------------------|-----------------------|------------|---------------------------|-------------|--|--------------------------------------|---------------------------------------|--------|
| | | 1 Most Deprived | 2 | 3 | 4 | 5 Least Deprived | kcal (%) | | |
| Foods with greater contribution in most deprived | | | | | | | | | |
| Total Processed Red Meat ² | 146 (7.5) | 172 (9.1) | 155 (8.5) | 136 (6.8) | 148 (7.2) | 125 (6.4) | 46.6 (2.8) | 0.001 | 0.005 |
| Cooking Oil | 51.6 (2.6) | 66.3 (3.0) | 67.8 (3.2) | 41.5 (1.8) | 48.1 (2.0) | 39.2 (1.8) | 27.1 (1.2) | 0.047 | 0.204 |
| Bread and Rolls | 130 (6.7) | 143 (6.4) | 135 (6.3) | 124 (5.4) | 135 (5.7) | 117 (5.3) | 26.0 (1.1) | 0.014 | 0.003 |
| Sugar Containing Soft Drinks | 57.0 (2.9) | 71.6 (3.8) | 63.6 (3.5) | 50.5 (2.5) | 56.4 (2.7) | 46.9 (2.4) | 24.7 (1.4) | 0.006 | 0.017 |
| Whole Milk | 25.9 (1.3) | 35.9 (1.9) | 34.9 (1.9) | 25.9 (1.3) | 17.8 (0.9) | 18.8 (1.0) | 17.1 (1.0) | <0.001 | 0.002 |
| Processed Potatoes | 50.6 (2.6) | 57.4 (3.1) | 55.0 (3.0) | 50.2 (2.5) | 49.2 (2.4) | 43.5 (2.2) | 13.9 (0.8) | 0.007 | 0.033 |
| Foods with greater contribution in least deprived | | | | | | | | | |
| Alcoholic Drinks | 71.1 (3.6) | 54.3 (2.9) | 67.3 (3.7) | 74.2 (3.7) | 66.5 (3.2) | 89.2 (4.5) | -34.9 (-1.6) | 0.016 | 0.088 |
| Total Fruit and Vegetables | 91.9 (4.7) | 74.4 (4.0) | 71.2 (3.9) | 102 (5.1) | 99.9 (4.9) | 106 (5.4) | -31.8 (-1.4) | <0.001 | <0.001 |
| Total Breakfast Cereal | 73.8 (3.8) | 59.2 (3.1) | 61.9 (3.4) | 73.1 (3.7) | 83.8 (4.1) | 85.5 (4.3) | -26.3 (-1.2) | <0.001 | 0.006 |
| Cakes, Pastries and Puddings | 59.7 (3.1) | 50.8 (2.7) | 54.1 (3.0) | 61.0 (3.1) | 63.7 (3.1) | 65.7 (3.3) | -15.0 (-0.6) | 0.031 | 0.262 |
| Semi-skimmed Milk | 64.3 (3.3) | 56.5 (3.0) | 57.7 (3.2) | 64.8 (3.2) | 69.9 (3.4) | 69.6 (3.5) | -13.1 (-0.5) | 0.036 | 0.315 |
| Other Baked Goods | 33.0 (1.7) | 26.7 (1.4) | 26.3 (1.4) | 32.8 (1.6) | 37.1 (1.8) | 39.7 (2.0) | -13.0 (-0.6) | <0.001 | <0.001 |
| Cream | 12.4 (0.6) | 5.7 (0.3) | 8.9 (0.5) | 13.1 (0.7) | 14.5 (0.7) | 17.8 (0.9) | -12.1 (-0.6) | <0.001 | <0.001 |
| Nuts | 18.5 (0.9) | 11.2 (0.6) | 13.5 (0.7) | 18.1 (0.9) | 24.0 (1.2) | 22.8 (1.2) | -11.6 (-0.6) | <0.001 | 0.004 |
| Jam, Marmalade, Honey and Sweet Spreads | 17.2 (0.9) | 10.8 (0.6) | 14.2 (0.8) | 16.1 (0.8) | 20.2 (1.0) | 22.4 (1.1) | -11.6 (-0.6) | 0.001 | 0.016 |
| Unprocessed Fish | 13.1 (0.7) | 7.1 (0.4) | 9.2 (0.5) | 14.3 (0.7) | 14.9 (0.7) | 18.3 (0.9) | -11.1 (-0.6) | <0.001 | <0.001 |
| Other Food Groupings ³ | 1035 (53.1) | 979 (56.5) | 923 (54.9) | 1103 (57.9) | 1106 (56.6) | 1039 (55.3) | -60.2 (-1.2) | - | - |
| Total Energy | 1951 | 1881 | 1818 | 2000 | 2056 | 1966 | -85.0 | - | - |

¹The selected foods presented are those where there is a 10kcal or above absolute difference between SIMD 1 and SIMD 5 and where there is a significant difference at 0.05, please see Appendix 8 for details of foods in each food grouping; 2May include starch component e.g. pastry / potato / bread; 3Includes all food groupings not al ready listed - a full list of food groupings is provided in Appendix 7

Table 18: Mean contribution to fat from selected foods¹ by SIMD (LCF Household and Eating Out Data for 2013 to 2015 combined)

| | Overall g (%) | | | SIMD Quintile g (%) | 2 | | Absolute difference between SIMD 1 and SIMD 5 | P-value for linear association | P-value for overall association |
|---|------------------|-----------------------|-------------|------------------------|-------------|---------------------|--|--------------------------------------|---------------------------------------|
| | | 1 Most Deprived | 2 | 3 | 4 | 5 Least Deprived | g (%) | | |
| Foods with greater contribution in most deprived | | | | | | | | | |
| Total Processed Red Meat ² | 10.4 (12.4) | 11.8 (12.4) | 10.7 (11.8) | 9.4 (10.3) | 10.3 (10.7) | 8.6 (9.7) | 3.2 (2.7) | 0.002 | 0.009 |
| Cooking Oil | 5.7 (6.8) | 7.4 (7.8) | 7.5 (8.3) | 4.6 (5.0) | 5.3 (5.6) | 4.4 (4.9) | 3.0 (2.9) | 0.047 | 0.204 |
| Whole Milk | 1.6 (1.9) | 2.2 (2.3) | 2.1 (2.3) | 1.6 (1.7) | 1.1 (1.1) | 1.1 (1.3) | 1.0 (1.0) | <0.001 | 0.002 |
| Reduced and Low Fat Spread | 2.8 (3.4) | 3.1 (3.3) | 3.7 (4.1) | 2.6 (2.9) | 2.5 (2.6) | 2.2 (2.4) | 0.9 (0.8) | 0.010 | 0.102 |
| Processed Potatoes | 1.9 (2.3) | 2.2 (2.3) | 2.1 (2.3) | 1.8 (2.0) | 1.9 (1.9) | 1.7 (1.9) | 0.5 (0.4) | 0.006 | 0.053 |
| Foods with greater contribution in least deprived | | | | | | | | | |
| Cream | 1.3 (1.6) | 0.6 (0.6) | 0.9 (1.0) | 1.4 (1.5) | 1.5 (1.6) | 1.9 (2.1) | -1.3 (-1.5) | <0.001 | <0.001 |
| Butter | 6.3 (7.6) | 5.7 (6.1) | 4.6 (5.1) | 6.9 (7.6) | 7.2 (7.5) | 6.8 (7.6) | -1.0 (-1.6) | 0.008 | 0.035 |
| Nuts | 1.6 (1.9) | 1.0 (1.0) | 1.2 (1.3) | 1.5 (1.7) | 2.0 (2.1) | 1.9 (2.2) | -1.0 (-1.2) | <0.001 | 0.004 |
| Total Cheese | 4.2 (5.1) | 3.5 (3.7) | 3.6 (3.9) | 4.8 (5.2) | 4.9 (5.1) | 4.2 (4.8) | -0.8 (-1.1) | 0.005 | 0.004 |
| Cakes, Pastries and Puddings | 2.8 (3.3) | 2.3 (2.5) | 2.5 (2.8) | 2.8 (3.1) | 2.9 (3.1) | 3.1 (3.4) | -0.7 (-1.0) | 0.030 | 0.253 |
| Total Breakfast Cereal | 0.8 (1.0) | 0.5 (0.5) | 0.6 (0.7) | 0.8 (0.9) | 1.0 (1.0) | 1.1 (1.2) | -0.6 (-0.7) | <0.001 | <0.001 |
| Unprocessed Fish | 0.7 (0.8) | 0.4 (0.4) | 0.4 (0.5) | 0.7 (0.8) | 0.8 (0.8) | 0.9 (1.0) | -0.6 (-0.7) | <0.001 | <0.001 |
| Sandwiches | 1.2 (1.5) | 1.0 (1.0) | 1.1 (1.2) | 1.4 (1.5) | 1.4 (1.4) | 1.4 (1.5) | -0.4 (-0.5) | 0.003 | 0.031 |
| Total Fruit and Vegetables | 0.8 (1.0) | 0.6 (0.6) | 0.6 (0.6) | 0.8 (0.9) | 0.8 (0.9) | 0.9 (1.0) | -0.3 (-0.4) | <0.001 | <0.001 |
| Other Baked Goods | 0.8 (1.0) | 0.6 (0.7) | 0.6 (0.7) | 0.8 (0.8) | 0.9 (0.9) | 0.9 (1.0) | -0.3 (-0.4) | <0.001 | <0.001 |
| Jam, Marmalade, Honey and Sweet Spreads | 0.3 (0.4) | 0.2 (0.2) | 0.2 (0.2) | 0.3 (0.3) | 0.4 (0.4) | 0.5 (0.5) | -0.3 (-0.3) | 0.021 | 0.167 |
| Yoghurt and Fromage Frais | 0.4 (0.5) | 0.3 (0.4) | 0.4 (0.5) | 0.4 (0.4) | 0.5 (0.5) | 0.5 (0.6) | -0.2 (-0.2) | 0.001 | 0.006 |
| Sav oury Biscuits | 0.3 (0.4) | 0.2 (0.2) | 0.2 (0.2) | 0.4 (0.4) | 0.4 (0.4) | 0.3 (0.4) | -0.1 (-0.2) | 0.010 | 0.011 |
| Other Food Groupings ³ | 39.4 (47.1) | 38.8 (54.0) | 37.0 (52.5) | 41.1 (53.0) | 42.7 (52.4) | 40.3 (52.5) | -1.5 (1.5) | - | - |
| Total Fat | 83.3 | 82.4 | 80.0 | 84.1 | 88.5 | 82.7 | -0.3 | - | - |
| 4 | | | | | | 1 | | | |

¹The selected foods presented are those where there is a 0.1g or above absolute difference between SIMD 1 and SIMD 5 and where there is a significant difference at 0.05, please see Appendix 8 for details of foods in each food grouping;²May include starch component e.g. pastry / potato / bread; ³Includes all food groupings not already listed - a full list of food groupings is provided in Appendix 7

Table 19: Mean contribution to saturated fat from selected foods1 by SIMD (LCF Household and Eating Out Data for 2013 to 2015 combined)

| | Overall g (%) | SIMD Quintile g (%) | | | | | Absolute difference between SIMD 1 and SIMD 5 | P-value for linear association | P-value for overall association |
|--|------------------|------------------------|-------------|-------------|-------------|---------------------|--|--------------------------------------|---------------------------------------|
| | | 1 Most Deprived | 2 | 3 | 4 | 5 Least Deprived | g (%) | | |
| Foods with greater contribution in mos | st deprived | | | | | · · · · · | | | |
| Total Processed Red Meat ² | 3.8 (12.0) | 4.5 (10.9) | 4.1 (10.5) | 3.6 (8.6) | 3.9 (9.1) | 3.3 (8.2) | 1.2 (2.7) | 0.002 | 0.010 |
| Whole Milk | 1.0 (3.2) | 1.4 (3.4) | 1.3 (3.4) | 1.0 (2.4) | 0.7 (1.6) | 0.7 (1.8) | 0.7 (1.6) | <0.001 | 0.002 |
| Reduced and Low Fat Spread | 0.6 (1.9) | 0.7 (1.7) | 0.9 (2.2) | 0.6 (1.5) | 0.6 (1.3) | 0.5 (1.3) | 0.2 (0.5) | 0.010 | 0.101 |
| Processed Potatoes | 0.3 (1.1) | 0.4 (1.0) | 0.4 (1.0) | 0.3 (0.8) | 0.3 (0.7) | 0.3 (0.7) | 0.1 (0.3) | 0.001 | 0.010 |
| Foods with greater contribution in leas | st deprived | | | | | | | | |
| Cream | 0.8 (2.6) | 0.4 (0.9) | 0.6 (1.5) | 0.9 (2.1) | 1.0 (2.3) | 1.2 (3.0) | -0.8 (-2.0) | <0.001 | <0.001 |
| Butter | 4.0 (12.6) | 3.7 (8.9) | 3.0 (7.6) | 4.4 (10.6) | 4.6 (10.7) | 4.3 (10.8) | -0.7 (-1.9) | 0.008 | 0.035 |
| Total Cheese | 2.7 (8.4) | 2.2 (5.3) | 2.3 (5.8) | 3.0 (7.2) | 3.1 (7.2) | 2.7 (6.7) | -0.5 (-1.3) | 0.006 | 0.004 |
| Semi-skimmed Milk | 1.5 (4.7) | 1.3 (3.1) | 1.3 (3.4) | 1.5 (3.5) | 1.6 (3.7) | 1.6 (4.0) | -0.3 (-0.8) | 0.036 | 0.315 |
| Cakes, Pastries and Puddings | 1.2 (3.7) | 1.0 (2.4) | 1.1 (2.7) | 1.2 (2.9) | 1.2 (2.9) | 1.3 (3.2) | -0.3 (-0.8) | 0.029 | 0.241 |
| Nuts | 0.3 (1.0) | 0.2 (0.5) | 0.2 (0.6) | 0.3 (0.7) | 0.4 (1.0) | 0.4 (1.0) | -0.2 (-0.5) | <0.001 | 0.004 |
| Unprocessed Fish | 0.1 (0.3) | 0.1 (0.2) | 0.1 (0.2) | 0.1 (0.3) | 0.1 (0.3) | 0.2 (0.4) | -0.1 (-0.3) | <0.001 | <0.001 |
| Other Baked Goods | 0.3 (0.9) | 0.2 (0.5) | 0.2 (0.6) | 0.3 (0.7) | 0.3 (0.7) | 0.3 (0.8) | -0.1 (-0.3) | <0.001 | <0.001 |
| Sandwiches | 0.4 (1.2) | 0.3 (0.7) | 0.3 (0.8) | 0.4 (1.0) | 0.4 (0.9) | 0.4 (1.0) | -0.1 (-0.3) | 0.006 | 0.053 |
| Total Breakfast Cereal | 0.2 (0.6) | 0.1 (0.3) | 0.1 (0.4) | 0.2 (0.4) | 0.2 (0.5) | 0.2 (0.6) | -0.1 (-0.3) | <0.001 | <0.001 |
| Eating Out Main Meal Component | 0.2 (0.6) | 0.2 (0.4) | 0.1 (0.4) | 0.2 (0.5) | 0.2 (0.6) | 0.3 (0.8) | -0.1 (-0.3) | 0.047 | 0.281 |
| Yoghurt and Fromage Frais | 0.3 (0.9) | 0.2 (0.6) | 0.3 (0.7) | 0.3 (0.6) | 0.3 (0.8) | 0.4 (0.9) | -0.1 (-0.3) | 0.001 | 0.006 |
| Sav oury Biscuits | 0.1 (0.3) | 0.1 (0.2) | 0.1 (0.3) | 0.2 (0.4) | 0.2 (0.4) | 0.2 (0.4) | -0.1 (-0.2) | 0.016 | 0.024 |
| Jam, Marmalade, Honey and Sweet Spreads | 0.1 (0.3) | 0.0 (0.1) | 0.0 (0.1) | 0.1 (0.1) | 0.1 (0.2) | 0.1 (0.3) | -0.1 (-0.2) | 0.021 | 0.168 |
| Total Fruit and Vegetables | 0.2 (0.6) | 0.2 (0.4) | 0.2 (0.4) | 0.2 (0.6) | 0.2 (0.5) | 0.2 (0.6) | -0.1 (-0.2) | <0.001 | <0.001 |
| Other Food Groupings ³ | 13.5 (43.1) | 13.3 (58.5) | 13.1 (57.4) | 14.0 (55.1) | 14.3 (54.6) | 13.3 (53.5) | 0.0 (5.0) | - | - |
| Total Saturated Fat | 31.6 | 30.5 | 29.7 | 32.8 | 33.7 | 31.9 | -1.4 | - | - |
| | 1 | 1 | | 1 | | 1 | 1 | 1 | 1 |

¹The selected foods presented are those where there is a 0.1g or above absolute difference between SIMD 1 and SIMD 5 and where there is a significant difference at 0.05, please see Appendix 8 for details of foods in each food grouping;²May include starch component e.g. pastry / potato / bread; ³Includes all food groupings not already listed - a full list of food groupings is provided in Appendix 7

Table 20: Mean contribution to NMES from selected foods¹ by SIMD (LCF Household and Eating Out Data for 2013 to 2015 combined)

| | Overall g (%) | SIMD Quintile g (%) | | | | | Absolute difference between SIMD 1 and SIMD 5 | P-value for linear association | P-value for overall association |
|--|------------------|------------------------|-------------|-------------|-------------|---------------------|--|--------------------------------------|---------------------------------------|
| | | 1 Most Deprived | 2 | 3 | 4 | 5 Least Deprived | g (%) | | |
| Foods with greater contribution in mos | t deprived | | | | | | | | |
| Sugar Containing Soft Drinks | 14.9 (20.8) | 18.8 (26.2) | 16.6 (23.1) | 13.2 (18.0) | 14.7 (19.0) | 12.2 (17.1) | 6.6 (9.0) | 0.005 | 0.017 |
| Foods with greater contribution in leas | st deprived | | | | | | | | |
| Total Fruit and Vegetables | 4.9 (6.8) | 3.4 (4.8) | 3.6 (5.1) | 5.4 (7.3) | 5.2 (6.7) | 6.4 (9.1) | -3.0 (-4.3) | <0.001 | <0.001 |
| Jam, Marmalade, Honey and Sweet Spreads | 3.5 (4.9) | 2.3 (3.2) | 3.1 (4.2) | 3.4 (4.7) | 4.1 (5.2) | 4.5 (6.3) | -2.2 (-3.1) | <0.001 | 0.006 |
| Cakes, Pastries and Puddings | 4.4 (6.2) | 3.8 (5.2) | 4.0 (5.6) | 4.5 (6.2) | 4.7 (6.1) | 4.8 (6.8) | -1.1 (-1.6) | 0.041 | 0.338 |
| Alcoholic Drinks | 1.8 (2.5) | 1.1 (1.6) | 1.9 (2.6) | 1.8 (2.5) | 1.7 (2.2) | 2.3 (3.2) | -1.1 (-1.6) | 0.011 | 0.002 |
| Yoghurt and Fromage Frais | 1.7 (2.4) | 1.3 (1.8) | 1.6 (2.2) | 1.5 (2.1) | 1.9 (2.4) | 2.1 (2.9) | -0.8 (-1.1) | 0.001 | 0.003 |
| Wholegrain/ High Fibre Breakfast Cereal | 0.8 (1.1) | 0.5 (0.7) | 0.6 (0.8) | 0.8 (1.1) | 0.9 (1.2) | 1.0 (1.5) | -0.5 (-0.8) | <0.001 | <0.001 |
| Other Baked Goods | 0.5 (0.7) | 0.4 (0.6) | 0.4 (0.5) | 0.5 (0.7) | 0.5 (0.7) | 0.5 (0.7) | -0.1 (-0.1) | 0.021 | 0.069 |
| Nuts | 0.2 (0.3) | 0.1 (0.1) | 0.1 (0.2) | 0.1 (0.2) | 0.2 (0.3) | 0.2 (0.3) | -0.1 (-0.1) | <0.001 | 0.004 |
| Other Food Groupings ² | 38.7 (54.3) | 40.3 (55.8) | 40.2 (55.7) | 42.0 (57.2) | 43.5 (56.2) | 37.1 (52.1) | 3.2 (3.7) | - | - |
| Total NMES | 71.4 | 72.0 | 72.1 | 73.2 | 77.4 | 71.1 | 0.9 | - | - |
| | 1 | · · · · · · · | | | | | 1 | 1 | |

The selected foods presented are those where there is a 0.1g or above absolute difference between SIMD 1 and SIMD 5 and where there is a significant difference at 0.05, please see Appendix 8 for details of foods in each food grouping; ²Includes all food groupings not already listed - a full list of food groupings is provided in Appendix 7

| Table 21: Mean contribution to NSP from selected foods ¹ by SIMD (LCF Household and Eating Out Data for 2013 to 2015 | combined) |
|---|-----------|
| | |

| | Overall g (%) | | | Absolute difference between SIMD 1 and SIMD 5 | P-value for linear association | P-value for overall association | | | |
|-----------------------------------|-------------------|--------------------|------------|--|--------------------------------------|---------------------------------------|-------------|--------|--------|
| | | 1 Most Deprived | 2 | 3 | 4 | 5 Least Deprived | g (%) | | |
| Foods with greater contributi | on in most depri | ved | | | | | | | |
| Processed Potatoes | 0.6 (5.2) | 0.7 (6.5) | 0.7 (6.4) | 0.6 (5.1) | 0.6 (4.5) | 0.5 (4.2) | 0.2 (2.4) | 0.006 | 0.014 |
| Total Processed Red Meat | 0.3 (2.8) | 0.4 (3.7) | 0.4 (3.4) | 0.3 (2.6) | 0.3 (2.5) | 0.3 (2.2) | 0.1 (1.5) | <0.001 | 0.004 |
| Foods with greater contributi | on in least depri | ved | | | | | | | |
| Total Fruit and Vegetables | 2.9 (24.1) | 2.4 (21.6) | 2.3 (21.6) | 3.1 (25.5) | 3.1 (24.0) | 3.2 (25.4) | -0.8 (-3.8) | <0.001 | <0.001 |
| Total Breakfast Cereal | 1.2 (9.7) | 0.8 (7.2) | 1.0 (8.9) | 1.2 (9.4) | 1.3 (10.1) | 1.4 (11.3) | -0.6 (-4.1) | <0.001 | <0.001 |
| Nuts | 0.2 (1.6) | 0.1 (1.0) | 0.1 (1.3) | 0.2 (1.5) | 0.2 (1.9) | 0.2 (1.9) | -0.1 (-0.8) | <0.001 | 0.004 |
| Other Baked Goods | 0.3 (2.5) | 0.2 (2.1) | 0.2 (2.2) | 0.3 (2.3) | 0.3 (2.6) | 0.4 (2.8) | -0.1 (-0.8) | <0.001 | <0.001 |
| Sav oury Biscuits | 0.1 (1.2) | 0.1 (0.7) | 0.1 (0.9) | 0.2 (1.3) | 0.2 (1.8) | 0.2 (1.2) | -0.1 (-0.5) | <0.001 | <0.001 |
| Cakes, Pastries and Puddings | 0.2 (1.9) | 0.2 (1.7) | 0.2 (1.9) | 0.2 (1.8) | 0.2 (1.8) | 0.2 (2.0) | -0.1 (-0.3) | 0.028 | 0.306 |
| Other Food Groupings ² | 6.1 (51.0) | 5.8 (55.5) | 5.3 (53.4) | 6.3 (50.5) | 6.7 (50.8) | 6.2 (49.0) | -0.4 (6.5) | - | - |
| Total NSP | 11.9 | 10.7 | 10.3 | 12.4 | 12.9 | 12.6 | -1.9 | - | - |

¹The selected foods presented are those where there is a 0.1g or above absolute difference between SIMD 1 and SIMD 5 and where there is a significant difference at 0.05, please see Appendix 8 for details of foods in each food grouping;²Includes all food groupings not already listed - a full list of food groupings is provided in Appendix 7

4. Discussion

Monitoring of Scottish Dietary Goals and Additional Foods and Drinks Indicative of Diet Quality Estimates of mean food consumption and nutrient intake for Scotland, calculated using the household and eating out data from LCFS purchase data, and described previously (Barton and Wrieden, 2012, Barton *et al.*, 2010, Wrieden and Barton, 2011, Wrieden and Barton, 2015) were updated by the addition of the years 2013, 2014 and 2015 to give trend data from 2001 through to 2015; this has been related to the Scottish Dietary Goals. This is currently the only method of monitoring the complete diet over time in Scotland. Advantages and disadvantages of using the LCFS to estimate food consumption and nutrient intake are presented in **Appendix 2**.

A summary of the results for the goals measured here are presented in **Table 22**. Although there have been fluctuations over the 15 years, little change was found in intakes of foods and nutrients between 2001 and 2015.

| Food / Nutrient | Scottish Dietary Goal | 2001- 2003 | 2013- 2015 | Change between 2001- 2003 and 2013-2015 ¹ | Highest consumption by SIMD in 2013-2015 ^{1,2} |
|----------------------------------|--|---------------|---------------|---|--|
| Energy density (kcal/100g) | Average energy density of the diet to be lowered to 125 kcal/100g | 171 | 175 | ↑ | No Difference |
| Fruit and Vegetables (g/day) | At least 5 portions per person per day (> 400 g/day) | 256 | 258 | No Change | Least Deprived |
| Oil rich fish (g/week) | Increase to one portion per person (140g) per week | 29 | 29 | No Change | Least Deprived |
| Red Meat (g/day) | Average intake of red and processed meat to be pegged at around 70g per person per day | 65 | 56 | \downarrow | No Difference |
| Fat (% food energy) | ≤35% food energy | 38.8 | 39.3 | No Change | No Difference |
| Saturated Fat (% food energy) | ≤11% of food energy | 15.6 | 15.3 | \downarrow | No Difference |
| Sugar (% food energy) | NMES ³ to reduce to less than 11% of food energy in children and adults | 15.7 | 14.3 | \downarrow | No Difference |
| Fibre (g/day) | Increase in average consumption of fibre ⁴ to 18g/day | 12 | 12 | No Change | Least Deprived |

| Table 22: Mean food and nutrient intakes in relation to the Scottish Dietary Goals from 2001 to |
|---|
| 2015 |

¹Based on P-value for Linear Association ≤0.010; ²SIMD = Scottish Index of Multiple Deprivation; ³Non-milk extrinsic sugars sugars, excluding those in milk and milk products that are not incorporated into the cellular structure of foods, such as fruit and vegetables e.g. sugar released fromfruit when it is blended or juiced, table sugar, honey and added sugar in cakes, biscuit, sweets, breakfast cereals and soft drinks; ⁴Non starch polysaccharide (NSP) as measured by Englyst method.

Results from the LCFS suggest lack of progress towards the Scottish Dietary Goals. Little or no change was found in the trends of consumption of the food-based goals over the period 2001-2015. The small, but statistically significant, increase in mean consumption of fruit and vegetables, found in the 10-year period from 2001 to 2010 stalled, with mean consumption for 2013-2015 being similar to that for 2001-2003. Mean fruit and vegetable consumption remains almost 2 portions below the population target of 5 portions per day. No change has been found in oil rich fish consumption. Red and processed meat

consumption reduced significantly between 2001-2003 and 2013-2015 with mean consumption meeting the goals. There were significant associations between deprivation level (measured using SIMD quintile) for fruit and vegetables, and oily fish, with consumption being greatest in the least deprived, however still well below the goals.

The mean energy density of the diet increased significantly between 2001-2003 and 2013-2015. Intakes of fat as a percentage of food energy for 2013-2015 were similar to those for 2001-2003, however a significant decrease was found for saturated fat when observing the trend between 2001-2003 and 2013-2015 despite increases in some saturated fat containing foods such as butter and cream. The significant decrease in the percentage of energy from NMES observed in previous reports continued to 2013-2015; this was in line with the significant reduction in sugar-containing soft drink consumption. The observation that sugar-containing soft drink consumption mirrored the trend in NMES is important, as a key part of strategies to reduce the prevalence of obesity is reducing consumption of sugar-containing soft drinks (Scottish Government, 2017a). No association was found between intakes of fat, saturated fat or NMES and deprivation level, and intakes remain well above the Scottish Dietary Goals. Intakes of NSP remain unchanged since 2001-2003, with intakes higher in the less deprived quintiles, but still considerably below the goals. This finding is not surprising given the higher intakes of fruit and vegetables, brown/wholemeal bread and high fibre breakfast cereal in the less deprived quintiles.

Discretionary foods that are high in sugar and fat, namely sweet biscuits; confectionery; crisps and savoury snacks; cakes, pastries and puddings; and sugar sweetened beverages are significant contributors to energy in the diet. In the current analysis, these five food groupings contributed almost 20% of energy, fat and saturated fat intakes and more than 50% of NMES intake as is shown in **Table 23**. In the recently revised Eatwell Guide (Public Health England, 2016) discretionary foods/drinks were excluded in order to highlight that these foods/drinks are not needed in the diet.

| | Weight g | Energy kcal (%) | Fat g (%) | Saturated Fat g (%) | NMES g (%) |
|------------------------------|-------------|--------------------|--------------|------------------------|---------------|
| Sweet Biscuits | 21.6 | 103 (5.3) | 4.9 (5.9) | 2.5 (7.7) | 5.7 (8.0) |
| Total Confectionery | 21.2 | 92.2 (4.7) | 3.7 (4.5) | 2.0 (6.3) | 12.8 (17.9) |
| Crisps and Savoury Snacks | 13.4 | 67.1 (3.4) | 3.8 (4.5) | 0.5 (1.6) | 0.02 (0.02) |
| Cakes, Pastries and Puddings | 16.5 | 59.7 (3.1) | 2.8 (3.3) | 1.2 (3.7) | 4.4 (6.2) |
| Sugar Containing Soft Drinks | 156 | 57.0 (2.9) | Nil | Nil | 14.9 (20.8) |
| Total | | 379 (19.4) | 15.2 (18.2) | 6.2 (19.3) | 37.8 (52.9) |

Table 23: Mean contribution of selected discretionary foods and drinks to energy, fat, saturated fat and NMES intake in 2013-2015 (intake (percentage) per person per day)

Comparison with the National Diet and Nutrition Survey

Unlike NDNS data for 2008/09-2011/12 (Bates *et al.*, 2014a) results from the NDNS for 2012/13-2013/14 (years 5 and 6) (Bates *et al.*, 2016) and 2014/15-15/16 (Bates *et al.*, 2016, Bates *et al.*, 2014b, Public Health England and Food Standards Agency, 2014, Roberts *et al.*, 2018) are not available separately for Scotland as there was no boosted sample for Scotland for these years. Therefore, any comparison against recent NDNS results has to be made against UK data. Despite differences in the methods used to collect this data, figures relevant to the food based Scottish Dietary Goals are comparable given the proportion of the different age groups in the population - see summary **Table 24**

of key measures from both surveys related to the goals. Possible reasons for the differences in percentage of food energy from the macronutrients presented have been discussed previously (Barton and Wrieden, 2012, Barton *et al.*, 2010, Wrieden and Barton, 2011, Wrieden and Barton, 2015).

| | | LCFS 20 ⁴ | 13-2015 | NDNS 2 2013 | | NDNS 2014/15- 2015/16 | |
|------------------------------------|---|----------------------|-----------------|----------------|-----------------|--------------------------|-----------------|
| Food / Nutrient | Scottish Dietary Goal (SDG) | Populatio n | SDG | 19-64 years | SDG | 19-64 years | SDG |
| Fruit and Vegetables (g/day) | More than 400g/day | 258 | Goal not met | 278 | Goal not met | 298 | Goal not met |
| Oil rich fish (g/week) | Increase to one portion per person (140g) per week | 29 | Goal not met | 8 | Goal not met | 8 | Goal not met |
| Red Meat (g/day) | Average intake of red and processed meat to be pegged at around 70g per person per day | 56 | Goal met | 65 | Goal met | 62 | Goal met |
| Fat (% food energy) | ≤35% food energy | 39.3 | Goal not met | 34.2 | Goal met | 34.7 | Goal met |
| Saturated Fat (% food energy) | ≤11% of food energy | 15.3 | Goal not met | 12.7 | Goal not met | 12.5 | Goal not met |
| Sugar (% food energy) | NMES to reduce to less than 11% of food energy in children and adults | 14.3 | Goal not met | 12.3 | Goal not met | 12.1* | Goal not met |
| Fibre (g/day) | Increase in average consumption of fibre to 18g/day | 12 | Goal not met | 14.0 | Goal not met | 14.6** | Goal not met |

Table 24: Comparison of mean food/nutrient intakes in relation to the 2013 Scottish Dietary Goals between LCFS 2013-2015 and 19-64y NDNS 2012/13-2013/14 and 2014/15-2015/16

*Calculated from free sugar figure; ** Calculated from AOAC figure

Comparison of earlier NDNS Scottish data (2008/09-2011/12) (Bates *et al.*, 2014a) with 2013-2015 LCFS data found similar food consumption patterns when comparing the two sets of data in relation to SIMD, with higher intakes of fruit and vegetables and oil rich fish in the least deprived quintiles and little difference in total red meat consumption. Results in relation to fat and saturated fat intake by SIMD showed a similar trend in both surveys, with no difference between levels of deprivation. However the percentage of energy from NMES was lower, and fibre (in terms of g of NSP) was higher, in the less deprived quintiles in both the NDNS (except for NMES in children) and the LCFS.

Despite some similarities being found in food consumption and nutrient intake between the two surveys, it must be appreciated that that the LCFS results are based on purchase data and are expressed per capita, i.e. are an average of all ages, so comparison of the results with other studies should be carried out with caution. In addition, the figures for waste used to adjust the purchase data are from a UK WRAP survey of 2008 (Waste and Resource Action Programme Survey (WRAP), 2008) and do not account for reductions in waste over recent years (WRAP, 2014). WRAP waste figures for Scotland were published in 2009 (WRAP Scotland, 2009), but these could not be used in the current analysis as data was not available as a percentage of individual foods/food groups, and therefore no mapping to Defra food codes could be carried out using this data. Nevertheless, the fact that the LCFS provides a continuous survey of a representative sample of households in Scotland allows both comparison to be

made over time and the ability to consider any inconsistencies in the data, enabling a clearer assessment to be made of any dietary change.

Future monitoring of the Scottish Dietary Goals

The Scottish Dietary Goals were revised in 2016 (Scottish Government, 2016), in order to reflect recommendations on total carbohydrate, sugar and fibre intakes from the Scientific Advisory Committee on Nutrition (SACN) published in 2015 (Scientific Advisory Committee on Nutrition (SACN), 2015). The recommended intake of sugar has halved, and the recommended intake of fibre has increased, and the terminology for sugar and fibre have both been revised. An additional 2016 goal specifies that total carbohydrate should "be maintained at an average population intake of approximately 50% of total dietary energy", with the term "total dietary energy" referring to the energy provided by protein, carbohydrate, fat and alcohol. This suggests an increase in total carbohydrate from the previous dietary reference value of a population average intake of 47% total energy (50% food energy) (Department of Health, 1991).

The 2013 Scottish Dietary Goals for "average intake of NMES to reduce to less than 11% of food energy in children and adults" has been replaced with the 2016 goal for "average intake of free sugars not to exceed 5% of total energy in adults and children over 2 years". Replacing the term "NMES" with "free sugars" will result in a slightly lower mean intake since NMES includes 50% of the fruit s ugars from canned, dried or stewed fruit, and free sugars includes none (Scientific Advisory Committee on Nutrition (SACN), 2015). Nevertheless, current free sugar intakes are likely still to be more than twice the recommended intake, based on findings from the current report. In order to monitor the 2016 goal for free sugars, food composition databases will need to be updated.

The 2016 Scottish Dietary Goals specify that fibre be measured using the AOAC method rather than the Englyst method which measures NSP only, and that average intake of AOAC fibre should be 30g/day in adults. This goal represents an increase in the recommended fibre intake, since the 2013 goal of 18g/day for NSP equates to around 23-24g/day of AOAC fibre. In order to allow monitoring of this goal, new analyses of foods and drinks should ideally be carried out to ensure that AOAC fibre data are available for key contributing food groups, as AOAC fibre data is incomplete in the current food composition tables.

Conclusion

In summary, there was little progress towards meeting the Scottish Dietary Goals over the period 2001 to 2015; this was apparent even within the lowest deprivation quintiles. Despite evidence of progress towards the goal for fruit and vegetables up to 2010, by 2015 this trend was no longer evident. A slight but significant decreasing trend in the percentage of energy from NMES and saturated fat was apparent, but mean intakes still exceed the goals. The goal for total red and processed meat intake was met, with no difference in consumption between levels of deprivation. It is of concern that the energy density of the diet is increasing rather than reducing, and that foods targeted for increased consumption (fruit and vegetables, and oily fish) were significantly lower in the most deprived groups of the population.

However, no evidence was found to suggest that the gap between the most and least deprived is increasing, with the same very small improvements being found across all quintiles of SIMD. This work continues to be an important part of Food Standards Scotland's dietary surveillance programme.

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6. APPENDICES

Appendix 1: Further Detail on Methodology of Monitoring Work

Appendix 2: Advantages and Disadvantages of the LCFS

Appendix 3: Monitoring Scottish Dietary Goals and Additional Foods and Drinks Indicative of Diet Quality Coding Frame

- Appendix 4: Energy Density Coding Frame
- Appendix 5: Defra Food Codes with Recommended Estimates of Edible Food Waste
- Appendix 6: Flowchart of Data Handling Process
- Appendix 7: Food Groupings Used for Contributing Foods Analysis
- Appendix 8: Breakdown of Food Groupings by Food Code for Contributing Foods Analysis
- Appendix 9: Slope Index of Inequality and Relative Index of Inequality
- Appendix 10: Mean Food Consumption and Nutrient Intake Results by Year

Appendix 1: Further Detail on Methodology of Monitoring Work The Living Costs and Food Survey / Expenditure and Food Survey

The Living Costs and Food Survey (LCFS) (before 2008 known as the Expenditure and Food Survey (EFS)) is a continuous survey of households in the UK commissioned jointly by the Office for National Statistics (ONS) and the Department for Environment and Rural Affairs (Defra). The LCFS is an annual household budget survey designed to collect information about household food and expenditure. It provides a valuable source of information about food purchases of the population, which can be translated into estimates of food consumption and nutrient intake (Wrieden et al., 2006). The survey however is not designed to measure intakes of specific individuals. The LCFS collects household food purchase and eating out data from every person over 7 years of age in each household over a 14-day period. However, LCFS data requires considerable secondary analysis to group the foods relevant to the Scottish Dietary Goals and calculate statistically meaningful figures. Due to the nature of household food purchase data, the LCFS cannot be used to give information on median intakes or classify consumption by age or gender (further advantages and disadvantages of the LCFS are discussed in Appendix 2). Therefore, the prevalence of individuals who are particularly high or low consumers of specific foods cannot be determined. The calculation of mean per capita consumption and nutrient intakes, with 95% confidence intervals, is not straightforward and requires a series of factors to be applied to the data. This process is essential if any meaningful comparisons are to be made between years and socio-economic factors such as deprivation (using the Scottish Index of Multiple Deprivation (SIMD)) (Scottish Government, 2012).

Changes to Methodology over Time

Methods for the secondary analysis of the food purchase data of the LCFS and its predecessor (the EFS) have been further developed and improved since the original report (Wrieden *et al.*, 2006). For example, in the original analysis all food purchase data was adjusted by subtracting 10% to take account of wastage following a similar procedure used by Defra in their analysis of the National Food Survey (NFS) and EFS and LCFS data. Following the publication of the Waste and Resource Action Programme (WRAP) survey (Waste and Resource Action Programme Survey (WRAP), 2008), Defra provided new figures which were based on more recent estimations of waste which varied according to food group. The data from 2001 onwards was subsequently revised to incorporate improvements to the methodology as follows:

- 1. Account for free food (e.g. from school meals, meals on wheels etc.). Defra adjusted the EFS data since the results of the secondary analysis published in 2006 (Wrieden *et al.*, 2006) and have backdated these changes to 2001.
- 2. Adjust for waste using new factors following the publication of the 2008 WRAP report (Waste and Resource Action Programme Survey (WRAP), 2008).
- 3. Include factors to account for the LCFS sampling methodology.
- 4. Make use of a refined coding frame to allocate specific proportions of foods to appropriate food groupings.

Coding Frames

The detailed coding frame reported by Barton et al. (2010) compiled for both household and eating out food purchases was re-ordered in line with the Scottish Dietary Goals and used for the analysis (Appendix 3). This was based on that reported by Wrieden et al. (2006) which provides further detail on its derivation and on the disaggregation of foods where appropriate. The coding frame is based on 522 food codes allocated by Defra to household or eating out food purchases. It lists groupings of foods (and codes) which form part of each dietary goal (or food group of interest) and gives details of conversion factors applied to the food weights. Conversion factors are necessary to apply the proportion of the food code applicable to the target food - for example, the vegetable contribution of vegetarian dishes is x0.4, a factor calculated from the NDNS adults 19-64 (Henderson et al., 2002). Where no factor was necessary, a factor of 1.0 was applied. Due to the type of data it is not possible to put a ceiling on the contribution that fruit juice and baked beans make to total fruit and vegetable intake and "5-a-day" as often happens in dietary survey reporting. It was decided following the Wrieden et al. (2006) report to only report total fruit and vegetable intake rather than with and without fruit juice and baked beans. This decision was based on the fact that average fruit juice intake from 2001-2003 was 42g/day and average baked bean consumption was 12q/day, therefore well below the ceilings usually applied to fruit juice and baked beans of one 80g portion per day.

The coding frame for energy density (Appendix 4) was compiled in a similar way (Wrieden and Barton, 2011); it indicates which foods/drinks were included within the food and milk method of calculating energy density and lists conversion factors. Foods which may not be consumed in their purchased state e.g. flour, stock cubes, jelly cubes were given a conversion factor of 1 as it was not possible to tell how these foods may be prepared and subsequently consumed.

Categorisation of Foods

The Defra EFS coding frames for household and eating out food purchases were examined and foods forming part of each dietary goal (or additional foods and drinks indicative of diet quality) were selected and categorised accordingly.

Conversion Factors

The conversion factors are applied to food purchases to estimate the actual amount of each food that is consumed. A conversion factor was calculated (for each food code, for household and eating out purchases); for the proportion of fruit, vegetable, meat etc. in a composite food; for the proportion of food in a food grouping (where it bridges more than one food grouping); raw to cooked weight (where appropriate); proportion of inedible waste; and estimate of edible waste. Data for these conversion factors were taken from the 1st, 2nd, 5th and 6th supplements of the 5th edition of McCance and Widdowson's composition of foods (Chan *et al.*, 1996, Chan *et al.*, 1995, Holland *et al.*, 1992a, Holland *et al.*, 1992b). Where this data was not available from the above sources, information was sought from manufacturers' label data or market share data supplied by the Food Standards Agency. For details see Appendices 3 and 4.

Edible Waste

Estimates of waste for the UK population were first published by WRAP in 2008. The annex of the report on the 2007 EFS (Department for Environment Food & Rural Affairs (Defra), 2008) expands on the information available in the WRAP report and provides waste information at a more detailed level. Defra have mapped waste figures, based on those in the WRAP report, to each of the food codes used in the LCFS. This information was obtained from Defra and used to assign a waste factor to each food code. The waste figures were provided for single and multiple adult households and were linked to the appropriate type of household prior to analysis. The figures published by WRAP account for edible waste; inedible waste (i.e. bone) was taken into account when calculating the conversion factor for each food code. WRAP waste figures for Scotland were published in 2009 (WRAP Scotland, 2009), however these could not be used in the current analysis as data was not available as a percentage of individual foods/food groups and therefore no mapping to Defra food codes could be carried out on this regional data. Likewise, the UK 2009 update (WRAP, 2009) did not provide waste as a percentage of individual foods/food groups. For details see Appendix 5.

Data Handling

LCFS data for each year, in its raw form, was obtained from the UK Data Archive, University of Essex (or from Defra and ONS ahead of it being made available from the UK Data Archive). The data comprised 3 files for each year – an Access (Microsoft Corporation) database containing raw data (at the household level) for food and drink purchases; and 2 SPSS (IBM Corporation) files – one containing information on each household (HH file) and the other containing information on each person within each household (PP file). Appendix 6 provides a flowchart which illustrates the data handling process for data from each year, which are then merged in SPSS to obtain one working data file. The S cottish sample of the LCFS for each year was extracted from the Access database and the HH and PP SPSS files. Each household was allocated a new ID due to overlap in Case IDs between years.

Data on sampling strata and clusters, household income and SIMD quintile were obtained from the UK ONS. Data on SIMD by postcode were initially obtained from Scottish Neighbourhood Statistics and sent to ONS to link to anonymised case ID's.

Food Purchase Data

The Access database containing the Scottish food purchase data was linked to a table constructed from the coding frame, which listed each food grouping, each food within these groupings and the appropriate conversion factor to be applied to the calculations (where no factor was necessary 1.0 was applied). This table also contained data on waste for single and multiple adult households. Single and multiple adult households were selected in turn, the appropriate adjustment was then made for waste and the databases re-joined.

For foods: household and eating out consumption data minus waste (based on purchases) for each food code was multiplied by the appropriate conversion factor and summed by food grouping. This was then divided by the number of individuals in the household and divided by 14 to obtain the mean daily consumption per person.

For nutrients: household consumption data minus waste (based on purchases) for each food code was multiplied by the appropriate nutrient content per gram (provided by Defra) to provide the nutrient intake per food. Household, eating out and combined nutrient intakes for foods were then summed for each household. These were then divided by the number of individuals in the household and divided by 14 to obtain the mean daily intake per person for each nutrient.

Energy density for food and milk was calculated using the methodology developed by Wrieden *et al.* (2014) in three stages in MS Access and quintiles of energy density were calculated in SPSS by year (to negate any difference in energy density quintile over time).

- Calculating weight of food/milk the total weight of food/milk for each household was calculated by summing the weights of each food after making adjustments for waste and multiplying by the conversion factors described previously.
- Calculating energy content of food/milk the total energy from food/milk for each household was calculated by summing the energy content of each food after making adjustments for waste only, as the nutrient values in the database are based on the foods in their purchased form and not in the form, they are consumed.
- 3. Calculating energy density the energy density values per 100g for each household were calculated by dividing the total household energy content for food/milk (2) by the total household weight for food/milk (1) and multiplying by 100.

Derivation of Household Variables Required for Analysis Purposes

Descriptive variables for each household were extracted from the two SPSS files described previously and merged with data on sampling strata and clusters, household income and SIMD, to form a SPSS file containing all household variables.

Analysis of Data

The food consumption and nutrient intake data were exported to SPSS and merged with the household variables file. Due to the multi-staged stratified sampling procedure of the LCFS, data were analysed using Descriptive Statistics and General Linear Models within the Complex Samples module of SPSS and weighted according to the Scottish population. The data were weighted so that estimates obtained for mean food consumption and nutrient intake more accurately reflected that of the Scottish population. The weights were provided by Defra.

Linear associations between food consumption/ nutrient intake/ energy density and year or SIMD quintile were assessed by general linear modelling which was used to obtain estimates of the means with 95% confidence intervals (95% CI) and associated p-values. Overall associations between food consumption/ nutrient intake/ energy density, and year or SIMD quintile were assessed by adjusted Wald tests. The adjusted Wald test was used within regression analyses to test whether the value for all years or SIMD categories was equal or whether there was at least one difference between year or SIMD quintile. P-values ≤0.01 are highlighted in bold to indicate significance at the 1% level.

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Appendix 2: Advantages and Disadvantages of the LCFS

The EFS/LCFS and their predecessor, the NFS, are annual household budget surveys designed to collect information about household food and expenditure. Further details about the design of the EFS/NFS are discussed in an earlier report (Wrieden *et al.*, 2003). The EFS/LCFS provide a valuable source of information about the food purchases of the population, which can be translated into estimates of food consumption and nutrient intake (Wrieden *et al.*, 2006). The survey however is not designed to measure intakes of specific individuals. The LCFS collects household food purchase data from every person over 7 years of age in each household for a 14-day period. The length of time the food diaries are kept (14 days) is a major strength of this study, as for most foods and nutrients the balance of intake is over more than 7-10 days. Methods that assess diet over shorter periods of time, e.g. three to four or less days, are less likely to give an accurate measure of intake. Due to the nature of the data collected in household budget surveys it is not possible to produce median intakes. Therefore, the prevalence of individuals who are particularly high or low consumers of a food, food group or nutrient cannot be determined.

Advantages

- The LCFS includes around 550 households (approximately 1,300 people) per year in mainland Scotland.
- It collects information over a period of 14 days on food and drink purchases and includes foods eaten within the household and those eaten out.
- The LCFS records food acquisitions rather than consumption and is therefore possibly less susceptible to under-reporting and non-response bias than weighed intake dietary surveys (Chesher, 1997).
- The LCFS is one of the few publically available sources of information on food purchased out of the home. This can be compared with consumption in the home.
- It can be used to assess all the Scottish Dietary Goals (except salt and NMES in children), using the varieties and composition of food groups which were developed for the Barton *et al.* (2010) report.
- Data is collected continuously and published annually; it is possible to merge datasets over a number of years.
- Further information can be gained by linkage of data from the LCFS to the SIMD (for more information see (Scottish Executive, 2004, Scottish Government, 2012) respectively).

Disadvantages

- The information collected is based on food purchased rather than actually eaten, so specific wastage factors are incorporated for different food groups, based on recent research by WRAP (2008). Although this is an improvement on the previously used 10% estimation of waste for all foods, the figures are based on research carried out in England and do not include flat dwelling households.
- Results obtained are an estimate of the consumption of a typical average household member so no information can be derived regarding the consumption by specific sub-groups e.g. children.

• Median and other distributional characteristics relating to consumption cannot be estimated.

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Appendix 3: Monitoring Scottish Dietary Goals and Additional Foods and Drinks Indicative of Diet Quality Coding Frame

This updated and simplified coding frame is based on that reported by Wrieden *et al.*, (2006), which provides information on the disaggregation of foods where appropriate. **Appendix 1** provides further detail on the coding frame.

1. Dietary Goal: Average intake of a variety of fruit and vegetables to reach at least 5 portions per day (>400g per day)

- 1. Fruit and Vegetables including fruit (and vegetable) juice and baked beans (addition of 2 and 4)
- 2. Fruit including fruit (and vegetable) juice
- 3. Fruit (and vegetable juice)
- 4. Vegetables including baked beans

Household Fruit - including fruit (and vegetable) juice

| Defra Code | Food Description | Factor | Single Adult HH Waste | Multiple Adult HH Waste |
|---------------|--|--------|-----------------------------|-------------------------------|
| 19603 | Vegetable juices e.g. tomato juice, carrot juice | 1 | 0.1 | 0.1 |
| 21001 | Fresh oranges | 1 | 0.3382 | 0.2325 |
| 21401 | Other fresh citrus fruits | 1 | 0.0536 | 0.041 |
| 21701 | Fresh apples | 1 | 0.6627 | 0.2772 |
| 21801 | Fresh pears | 1 | 0.1442 | 0.1929 |
| 22101 | Fresh stone fruit | 1 | 0.2036 | 0.1797 |
| 22201 | Fresh grapes | 1 | 0.0833 | 0.0778 |
| 22701 | Other fresh soft fruit | 1 | 0.433 | 0.2521 |
| 22801 | Fresh bananas | 1 | 0.1545 | 0.082 |
| 22901 | Fresh melon | 1 | 0.2848 | 0.1797 |
| 23101 | Other fresh fruit | 1 | 0.1404 | 0.0938 |
| 23301 | Tinned peaches, pears & pineapples | 0.6 | 0.0806 | 0.0899 |
| 23601 | All other tinned or bottled fruit | 0.52 | 0.0806 | 0.0899 |
| 24001 | Dried fruit | 3.71 | 0.0806 | 0.0899 |
| 24101 | Frozen strawberries, apple slices, peach halves, oranges and other frozen fruits | 1 | 0.0806 | 0.0899 |
| 24801 | Pure fruit juices | 1 | 0.1 | 0.1 |

Household Fruit (and vegetable) juice

| Defra Code | Food Description | Factor | Single Adult HH Waste | Multiple Adult HH Waste |
|---------------|--|--------|-----------------------------|-------------------------------|
| 19603 | Vegetable juices e.g. tomato juice, carrot juice | 1 | 0.1 | 0.1 |
| 24801 | Pure fruit juices | 1 | 0.1 | 0.1 |

| Defra Code | Food Description | Factor | Single Adult HH Waste | Multiple Adult HH Waste |
|---------------|--|--------|-----------------------------|-------------------------------|
| 200101 | All citrus fruit, fresh e.g. orange, grapefruit | 1 | 0 | 0 |
| 200102 | Banana, fresh | 1 | 0 | 0 |
| 200103 | Apples, fresh | 1 | 0 | 0 |
| 200104 | Pears, fresh | 1 | 0 | 0 |
| 200105 | Stone fruit, fresh e.g. apricot, plum, peach, cherry, avocado | 1 | 0 | 0 |
| 200106 | Grapes, fresh | 1 | 0 | 0 |
| 200107 | Soft fruit/berries, fresh e.g. strawberries, blackberries - no cream/ice cream | 1 | 0 | 0 |
| 200108 | Melon, fresh | 1 | 0 | 0 |
| 200109 | Pineapple, fresh | 1 | 0 | 0 |
| 200110 | Fresh fruit salad, without cream/ice cream | 1 | 0 | 0 |
| 200111 | Other fresh fruit (kiwi, passion) & 'fruit', type not specified | 1 | 0 | 0 |
| 200112 | Free school fruit | 1 | 0 | 0 |
| 200201 | Dried fruit e.g. sultanas, raisins | 3.71 | 0 | 0 |
| 200301 | Tinned, stewed/baked or processed fruit - without cream/ice cream | 1 | 0 | 0 |
| 240301 | Fruit filling e.g. peaches for pancakes | 1 | 0 | 0 |
| 260204 | PURE fruit juices | 1 | 0 | 0 |
| 260205 | Vegetable juices e.g. tomato juice, carrot juice | 1 | 0 | 0 |
| 290205 | Fruit and other pies/pastries | 0.5 | 0 | 0 |

Eating Out Fruit - including fruit (and vegetable) juice

Eating Out Fruit (and vegetable) juice

| Defra Code | Food Description | Factor | Single Adult HH Waste | Multiple Adult HH Waste |
|---------------|--|--------|-----------------------------|-------------------------------|
| 260204 | PURE fruit juices | 1 | 0 | 0 |
| 260205 | Vegetable juices e.g. tomato juice, carrot juice | 1 | 0 | 0 |

| Defra Code | Food Description | Factor | Single Adult HH Waste | Multiple Adult HH Waste |
|---------------|---|--------|-----------------------------|-------------------------------|
| 16201 | Cabbages, fresh | 1 | 0.7014 | 0.4155 |
| 16301 | Brussels sprouts, fresh | 1 | 0.1701 | 0.0794 |
| 16401 | Cauliflower, fresh | 1 | 0.1449 | 0.1019 |
| 16701 | Lettuce & leafy salads | 1 | 0.5069 | 0.3519 |
| 16702 | Prepared lettuce salads | 1 | 0.6023 | 0.4633 |
| 16801 | Peas, fresh | 1 | 0.0917 | 0.0417 |
| 16901 | Beans, fresh | 1 | 0.5589 | 0.3071 |
| 17101 | Other fresh green vegetables | 1 | 0.2589 | 0.1589 |
| 17201 | Carrots, fresh | 1 | 0.3835 | 0.1681 |
| 17301 | Turnips & swede, fresh | 1 | 0.1231 | 0.0669 |
| 17401 | Other root vegetable, fresh | 1 | 0.225 | 0.1511 |
| 17501 | Onions, leeks, shallots, fresh | 1 | 0.2143 | 0.1408 |
| 17601 | Cucumbers, fresh | 1 | 0.3717 | 0.2357 |
| 17701 | Mushrooms, fresh | 1 | 0.1483 | 0.104 |
| 17801 | Tomatoes, fresh | 1 | 0.1582 | 0.0926 |
| 18301 | Stewpack, stirfry pack, pack of mixed vegetables | 1 | 0.3429 | 0.2301 |
| 18302 | Stem vegetables | 1 | 0.6075 | 0.453 |
| 18303 | Marrow, courgettes, aubergine, pumpkin and other fresh vegetables | 1 | 0.1691 | 0.1147 |
| 18304 | Fresh herbs | 1 | 0.1267 | 0.091 |
| 18401 | Tomatoes, canned or bottled | 1 | 0.1582 | 0.0926 |
| 18501 | Peas, canned | 1 | 0.0917 | 0.0417 |
| 18802 | Baked beans in sauce | 1 | 0.0828 | 0.0309 |
| 18803 | Other canned beans & pulses | 1 | 0.2589 | 0.1589 |
| 19101 | Other canned vegetables | 1 | 0.2589 | 0.1589 |
| 19201 | Dried pulses other than air-dried | 6.19 | 0.2589 | 0.1589 |
| 19501 | Air-dried vegetables | 14.39 | 0.3429 | 0.2301 |
| 19602 | Tomato puree and vegetable purees | 5.2 | 0.1267 | 0.091 |
| 20301 | Peas, frozen | 1 | 0.0917 | 0.0417 |
| 20401 | Beans, frozen | 1 | 0.5589 | 0.3071 |
| 20601 | Ready meals & other vegetable products - frozen or not frozen | 0.4 | 0.2563 | 0.29 |
| 20604 | All vegetable takeaway products | 0.4 | 0.2563 | 0.29 |
| 20801 | Other frozen vegetables | 1 | 0.2589 | 0.1589 |
| 29601 | Pizzas - frozen and not frozen | 0.16 | 0.2563 | 0.29 |
| 29602 | Takeaway pizza | 0.16 | 0.2563 | 0.29 |
| 31801 | Soups - canned or cartons | 0.3 | 0.2563 | 0.29 |
| 32001 | Soups - from takeaway | 0.3 | 0.2563 | 0.29 |
| 32201 | Meals on wheels - items not specified | 0.2 | 0.2563 | 0.29 |

Household Vegetables - including baked beans

| Defra Code | Food Description | Factor | Single Adult HH Waste | Multiple Adult HH Waste |
|---------------|--|--------|-----------------------------|-------------------------------|
| 100103 | Vegetable or fruit based curry | 0.4 | 0 | 0 |
| 100104 | Dhal & Dhal dishes | 0.4 | 0 | 0 |
| 100106 | Other Indian dishes | 0.4 | 0 | 0 |
| 100108 | Indian buffet or shared meal or unspecified Indian meal | 0.2 | 0 | 0 |
| 100201 | Chinese or Thai meat or fish based dishes excluding curry | 0.2 | 0 | 0 |
| 100202 | Chop suey and fu yung dishes | 0.2 | 0 | 0 |
| 100203 | Chinese or Thai vegetable based main course dishes | 0.4 | 0 | 0 |
| 100204 | Chinese or Thai curry | 0.2 | 0 | 0 |
| 100206 | Other Chinese or Thai dishes | 0.2 | 0 | 0 |
| 100207 | Chinese or Thai buffet or shared meal or unspecified Chinese or Thai meal | 0.2 | 0 | 0 |
| 100301 | All other ethnic meals | 0.2 | 0 | 0 |
| 110601 | Meat and vegetable stews, casseroles or hotpots | 0.2 | 0 | 0 |
| 110602 | Chicken or turkey stews, casseroles or hotpots | 0.2 | 0 | 0 |
| 110603 | Meat lasagne, cannelloni, moussaka and other meat-based oven baked dishes | 0.2 | 0 | 0 |
| 130201 | Pizza - cheese & tomato, vegetable; incl Pizza, type not specified | 0.4 | 0 | 0 |
| 130202 | Pizza - meat, fish or poultry | 0.16 | 0 | 0 |
| 150101 | Lettuce & cress | 1 | 0 | 0 |
| 150102 | Other green vegetables e.g. spinach, cabbage, sprouts | 1 | 0 | 0 |
| 150201 | Peppers - raw/cooked | 1 | 0 | 0 |
| 150202 | Courgettes, marrow, aubergine, pumpkin, plantain, cucumbers | 1 | 0 | 0 |
| 150203 | Peas & sweetcorn | 1 | 0 | 0 |
| 150204 | Baked Beans and other beans (not green beans) & pulses | 1 | 0 | 0 |
| 150205 | Tomato - fresh, raw | 1 | 0 | 0 |
| 150206 | Tomato - cooked or processed | 1 | 0 | 0 |
| 150301 | Carrots | 1 | 0 | 0 |
| 150302 | Onions - raw or cooked incl 'onions' type not specified | 1 | 0 | 0 |
| 150303 | Onions - fried | 1 | 0 | 0 |
| 150304 | Other root vegetables/ tubers e.g. turnip, parsnip, radish, beetroot | 1 | 0 | 0 |
| 150401 | Mushrooms - raw or cooked | 1 | 0 | 0 |
| 150501 | Mixed vegetables and 'veg' type not specified. | 1 | 0 | 0 |
| 150502 | Other vegetables e.g. artichoke, asparagus | 1 | 0 | 0 |
| 150503 | Vegetables in batter or breadcrumbs and deep fried veg e.g. onion rings | 0.4 | 0 | 0 |
| 150504 | Onion and other vegetable bhajis & pakora | 0.4 | 0 | 0 |
| 150601 | Veggie burger, bean burger, veggie sausage, nut roast | 0.4 | 0 | 0 |

Eating Out Vegetables - including baked beans

| Defra Code | Food Description | Factor | Single Adult HH Waste | Multiple Adult HH Waste |
|---------------|---|--------|-----------------------------|-------------------------------|
| 150602 | Vegetable lasagne, veg cannelloni, veg moussaka and other oven baked vegetable based dishes | 0.4 | 0 | 0 |
| 150603 | Stuffed vegetables (e.g. stuffed pepper) and vegetable based starter | 0.4 | 0 | 0 |
| 150604 | Vegetable based stews & casseroles and veg-based pies | 0.4 | 0 | 0 |
| 160101 | Mixed salad, main course - without dressing | 1 | 0 | 0 |
| 160102 | Mixed salad, side dish - without dressing; incl 'salad' type not specified | 1 | 0 | 0 |
| 160103 | Green salad - without dressing | 1 | 0 | 0 |
| 160201 | Vegetable/ fruit and nut salad - with dressing | 0.4 | 0 | 0 |
| 160301 | Meat salad e.g. beef, lamb salads | 0.2 | 0 | 0 |
| 160302 | Chicken or turkey salad | 0.2 | 0 | 0 |
| 160303 | Fish salad e.g. tuna, salmon salads | 0.2 | 0 | 0 |
| 160401 | Cheese salad including ploughman's | 0.2 | 0 | 0 |
| 160402 | Egg salad | 0.2 | 0 | 0 |
| 160501 | Other salads e.g. Greek, Florida, Russian | 0.2 | 0 | 0 |
| 160601 | Salad buffet or buffet meal where items not specified | 0.2 | 0 | 0 |
| 170105 | Noodles with meat, vegetables etc. | 0.2 | 0 | 0 |
| 180102 | Vegetable-based soups | 0.3 | 0 | 0 |
| 180104 | Soups, other; incl soup not specified | 0.3 | 0 | 0 |
| 230207 | Vegetarian based sandwich on white bread or roll | 0.4 | 0 | 0 |
| 230208 | Vegetarian based sandwich on brown bread or roll | 0.4 | 0 | 0 |
| 230209 | Vegetarian based sandwich bread not specified | 0.4 | 0 | 0 |
| 240102 | Meat-based sauce e.g. Bolognese, chilli con carne | 0.2 | 0 | 0 |
| 240104 | Tomato-based sauce containing vegetables, incl ratatouille | 0.4 | 0 | 0 |
| 240203 | Coleslaw | 0.4 | 0 | 0 |
| 240302 | Vegetable filling | 0.4 | 0 | 0 |
| 240701 | Unspecified meal e.g. 'meal', 'school meal' or 'meal at work' | 0.2 | 0 | 0 |

Eating Out Vegetables - including baked beans (continued)

2. Dietary Goal: Oil rich fish consumption to increase to one portion per person (140g) per week

NB: Factors are multiplied by 7 in order that fish calculations can be carried out alongside those for other foods as the fish target is in grams per week and the other targets are in grams per day

Household Oil Rich Fish

| Defra Code | Food Description | Factor | Single Adult HH Waste | Multiple Adult HH Waste |
|---------------|--|--------|-----------------------------|-------------------------------|
| 10601 | Herring & other blue fish, fresh or chilled | 7 | 0.096 | 0.0418 |
| 10602 | Herring & other blue fish, frozen | 7 | 0.096 | 0.0418 |
| 10701 | Salmon, fresh or chilled | 7 | 0.096 | 0.0418 |
| 10702 | Salmon, frozen | 7 | 0.096 | 0.0418 |
| 10801 | Blue fish, dried or salted or smoked | 7 | 0.096 | 0.0418 |
| 11901 | Tinned salmon | 7 | 0.096 | 0.0418 |
| 12001 | Other tinned or bottled fish | 1.33 | 0.096 | 0.0418 |
| 12103 | Ready meals & other fish products - frozen or not frozen | 1.05 | 0.2563 | 0.29 |

Eating Out Oil Rich Fish

| Defra Code | Food Description | Factor | Single Adult HH Waste | Multiple Adult HH Waste |
|---------------|--|--------|-----------------------------|-------------------------------|
| 120201 | Trout, tuna and salmon only - fresh - without sauce/dressing | 7 | 0 | 0 |
| 120202 | Other fatty fish - without sauce/dressing e.g. herring, mackerel, sardines | 7 | 0 | 0 |
| 120401 | Kippers and other smoked fish e.g. smoked salmon | 7 | 0 | 0 |
| 120603 | Fish based pie or other dish e.g. paella, kedgeree, tuna | 1.05 | 0 | 0 |
| 160303 | Fish salad e.g. tuna, salmon salads | 0.7 | 0 | 0 |

3. Dietary Goal: Average intake of red and processed meat to be pegged at around 70g per person per day. Average intake of the very highest consumers of red and processed meat (90g per person per day) not to increase

Household Total Red Meat

| Defra Code | Food Description | Factor | Single Adult HH Waste | Multiple Adult HH Waste |
|---------------|---|----------|-----------------------------|-------------------------------|
| 5502 | Bacon and ham joints, uncooked | 0.69104 | 0.2041 | 0.133 |
| 5505 | Bacon and ham rashers, uncooked | 0.65825 | 0.2041 | 0.133 |
| 5801 | Cooked ham & bacon | 1 | 0.2041 | 0.133 |
| 3102 | Beef: joints (including sides) on the bone | 0.561 | 0.0815 | 0.0457 |
| 3103 | Beef: joints (boned) | 0.632697 | 0.0815 | 0.0457 |
| 3104 | Beef steak (less expensive) | 0.636751 | 0.0815 | 0.0457 |
| 3105 | Beef steak (more expensive) | 0.728463 | 0.0815 | 0.0457 |
| 3106 | Beef, minced | 0.82 | 0.0815 | 0.0457 |
| 3107 | All other beef and veal | 0.62 | 0.0815 | 0.0457 |
| 3601 | Mutton | 0.617767 | 0.0224 | 0.0262 |
| 3602 | Lambjoints | 0.589275 | 0.0224 | 0.0262 |
| 3603 | Lambchops | 0.549128 | 0.0224 | 0.0262 |
| 3604 | All other lamb | 0.714897 | 0.0224 | 0.0262 |
| 4101 | Pork joints | 0.570298 | 0.2041 | 0.133 |
| 4102 | Pork chops – uncooked | 0.588 | 0.2041 | 0.133 |
| 4103 | Pork fillets and steak | 0.65 | 0.2041 | 0.133 |
| 4104 | All other pork – uncooked | 0.625934 | 0.2041 | 0.133 |
| 4603 | Ox liver | 0.91 | 0.0815 | 0.0457 |
| 4604 | Lambs liver | 0.78 | 0.0224 | 0.0262 |
| 4605 | Pigs liver | 0.88 | 0.2041 | 0.133 |
| 4607 | All other liver | 0.884907 | 0.0584 | 0.0401 |
| 5101 | All offals other than liver | 0.56119 | 0.0584 | 0.0401 |
| 6201 | Corned beef/ corned meat (canned or sliced) | 1 | 0.0815 | 0.0457 |
| 6601 | Other cooked meat | 0.954007 | 0.0584 | 0.0401 |
| 7102 | Other canned meat and canned meat products | 0.532811 | 0.0584 | 0.0401 |
| 7801 | Other meat (rabbit, venison, etc) – uncooked | 0.594 | 0.0584 | 0.0401 |
| 7901 | Sausages (uncooked) - pork | 0.78 | 0.0584 | 0.0401 |
| 8001 | Sausages (uncooked) - beef | 0.779 | 0.0584 | 0.0401 |
| 8302 | Meat pies | 0.271562 | 0.2563 | 0.29 |
| 8303 | Sausage rolls | 0.28 | 0.2563 | 0.29 |
| 8401 | Meat pies, pasties and puddings | 0.27445 | 0.2563 | 0.29 |
| 8501 | Burgers | 0.73 | 0.0584 | 0.0401 |
| 8901 | COMPLETE meat-based readymeals | 0.144783 | 0.2563 | 0.29 |
| 8902 | Other convenience meat products | 0.240481 | 0.2563 | 0.29 |
| 9301 | Pâté | 1 | 0.1324 | 0.0755 |
| 9302 | Delicatessen type sausages: cooked or cured | 1 | 0.0584 | 0.0401 |
| 9403 | Meat pastes and spreads | 1 | 0.1324 | 0.0755 |
| 9501 | Takeawaymeatpies & pasties | 0.266316 | 0.2563 | 0.29 |
| 9502 | Burger & bun eg hamburger | 0.485 | 0.2563 | 0.29 |
| 9503 | Kebabs | 0.5 | 0.2563 | 0.29 |
| 9504 | Sausages & saveloys | 1 | 0.2563 | 0.29 |
| 9505 | MEAT- based meals incl Indian & Chinese takeaways | 0.208303 | 0.2563 | 0.29 |
| 9506 | Miscellaneous meats | 0.649653 | 0.2563 | 0.29 |

| Defra Code | Food Description | Factor | Single Adult HH Waste | Multiple Adult HH Waste |
|---------------|--|--------|-----------------------------|-------------------------------|
| 100101 | Meat or fish based curry with sauce | 0.0928 | 0 | 0 |
| 100102 | Meat or fish based curry without sauce | 0.5 | 0 | 0 |
| 100201 | Chinese or Thai meat or fish based dishes excluding curry | 0.17 | 0 | 0 |
| 100202 | Chop suey and fu yung dishes | 0.09 | 0 | 0 |
| 110101 | Steak - without sauce e.g. braised, sirloin | 1 | 0 | 0 |
| 110102 | Roast meat with sauce or gravy | 0.64 | 0 | 0 |
| 110103 | Pork chops with sauce or gravy | 0.81 | 0 | 0 |
| 110104 | Lamb chops with sauce or gravy | 0.67 | 0 | 0 |
| 110105 | Spare ribs | 1 | 0 | 0 |
| 110106 | Bacon | 1 | 0 | 0 |
| 110107 | Gammon or ham | 1 | 0 | 0 |
| 110108 | All offal including liver, kidney, tongue | 1 | 0 | 0 |
| 110204 | Game with sauce or gravy | 0.71 | 0 | 0 |
| 110301 | Small or single burgers | 0.39 | 0 | 0 |
| 110302 | Large or double burgers | 0.58 | 0 | 0 |
| 110401 | Kebabs - all types including chicken | 0.5 | 0 | 0 |
| 110402 | Plain sausages e.g. beef, pork | 1 | 0 | 0 |
| 110403 | Other sausages | 1 | 0 | 0 |
| 110404 | Hot dogs and sausage sandwiches | 0.1769 | 0 | 0 |
| 110501 | Meat pies (pastry topped) and pasties | 0.16 | 0 | 0 |
| 110502 | Meat pies (potato topped e.g. shepherd's pie) | 0.1963 | 0 | 0 |
| 110503 | Sausage roll (pastry) | 0.28 | 0 | 0 |
| 110601 | Meat and vegetable stews, casseroles or hotpots | 0.0529 | 0 | 0 |
| 110603 | Meat lasagne, cannelloni, moussaka and other meat-based oven baked dishes | 0.2041 | 0 | 0 |
| 110701 | All pates | 0.5 | 0 | 0 |
| 110801 | Other meat products or dishes | 0.2592 | 0 | 0 |
| 130202 | Pizza - meat, fish or poultry | 0.0337 | 0 | 0 |
| 160301 | Meat salad e.g. beef, lamb salads | 0.314 | 0 | 0 |
| 170105 | Noodles with meat, vegetables etc. | 0.2 | 0 | 0 |
| 230101 | Meat based sandwich on white bread or roll | 0.242 | 0 | 0 |
| 230102 | Meat based sandwich on brown bread or roll | 0.242 | 0 | 0 |
| 230103 | Meat based sandwich bread not specified | 0.242 | 0 | 0 |
| 230107 | Bacon and egg based sandwich on white bread or roll including Bacon and Egg McMuffin | 0.25 | 0 | 0 |
| 230108 | Bacon and egg based sandwich on brown bread or roll | 0.25 | 0 | 0 |
| 230109 | Bacon and egg based sandwich bread not specified | 0.25 | 0 | 0 |
| 240102 | Meat-based sauce e.g. bolognese, chilli con carne | 0.3366 | 0 | 0 |

Eating Out Total Red Meat

Additional Foods and Drinks Indicative of Diet Quality

Brown/Wholemeal and Total Bread (addition of white and brown/wholemeal)

Household White Bread

| Defra Code | Food Description | Factor | Single Adult HH Waste | Multiple Adult HH Waste |
|---------------|--|--------|-----------------------------|-------------------------------|
| 9502 | Takeawayburger & bun | 0.55 | 0.2563 | 0.29 |
| 25102 | White bread, standard, unsliced | 1 | 0.3335 | 0.2399 |
| 25202 | White bread, standard, sliced | 1 | 0.3335 | 0.2399 |
| 25701 | White bread, premium, sliced and unsliced | 1 | 0.3335 | 0.2399 |
| 25801 | White bread, soft grain, sliced and unsliced | 1 | 0.3335 | 0.2399 |
| 26302 | Rolls - white, brown or wholemeal | 0.78 | 0.3942 | 0.1718 |
| 26303 | Malt bread and fruit loaves | 1 | 0.0861 | 0.0241 |
| 26304 | Vienna & French bread | 1 | 0.3942 | 0.1718 |
| 26305 | Starch reduced bread & rolls | 1 | 0.3335 | 0.2399 |
| 26308 | Other breads | 1 | 0.3349 | 0.4585 |
| 26309 | Sandwiches | 0.3744 | 0.2563 | 0.29 |
| 26310 | Sandwiches from takeaway | 0.3744 | 0.2563 | 0.29 |
| 26311 | Takeawaybreads | 1 | 0.3349 | 0.4585 |
| 26701 | Buns, scones & teacakes | 1 | 0.1239 | 0.1163 |
| 29601 | Pizzas - frozen and not frozen | 0.57 | 0.2563 | 0.29 |
| 29602 | Takeawaypizza | 0.57 | 0.2563 | 0.29 |

Eating Out White Bread

| Defra Code | Food Description | Factor | Single Adult HH Waste | Multiple Adult HH Waste |
|---------------|---|--------|-----------------------------|-------------------------------|
| 100107 | Indian breads | 1 | 0 | 0 |
| 110301 | Small or single burgers | 0.66 | 0 | 0 |
| 110302 | Large or double burgers | 0.39 | 0 | 0 |
| 110303 | Chicken burger | 0.46 | 0 | 0 |
| 110404 | Hot dogs and sausage sandwiches | 0.54 | 0 | 0 |
| 120602 | Fish burgers (in bun) | 0.49 | 0 | 0 |
| 130201 | Pizza - cheese & tomato, vegetable; incl pizza, type not spec | 0.57 | 0 | 0 |
| 130202 | Pizza - meat, fish or poultry | 0.57 | 0 | 0 |
| 220101 | White bread, with or w/o butter/marg (toasted or untoasted) | 1 | 0 | 0 |
| 220103 | White, without butter/marg (or butter/marg not spec) | 1 | 0 | 0 |
| 220105 | Garlicbread | 1 | 0 | 0 |
| 220106 | Croissant | 1 | 0 | 0 |
| 220107 | Continental breads e.g. pitta, ciabatta, focaccia | 1 | 0 | 0 |
| 220108 | Muffins/ crumpets | 1 | 0 | 0 |
| 220109 | Fried bread, incl croutons | 1 | 0 | 0 |
| 220110 | Bread/rolls/toast etc, type not specified | 0.78 | 0 | 0 |
| 230101 | Meat-based, white bread/roll | 0.52 | 0 | 0 |
| 230103 | Meat-based, bread not specified | 0.4056 | 0 | 0 |
| 230104 | Chicken/turkey-based, white bread/roll | 0.52 | 0 | 0 |
| 230106 | Chicken/turkey-based, bread not specified | 0.4056 | 0 | 0 |

| 230107 | Bacon and egg, white bread/roll incl Bacon & Egg McMuffin | 0.52 | 0 | 0 |
|--------|---|--------|---|---|
| 230109 | Bacon and egg, bread not specified | 0.4056 | 0 | 0 |
| 230110 | Fish-based, white bread/roll | 0.52 | 0 | 0 |
| 230112 | Fish-based, bread not specified | 0.4056 | 0 | 0 |
| 230201 | Cheese-based, white bread/roll | 0.52 | 0 | 0 |
| 230203 | Cheese-based, bread not specified | 0.4056 | 0 | 0 |
| 230204 | Egg-based, white bread/roll incl Egg McMuffin | 0.52 | 0 | 0 |
| 230206 | Egg-based, bread not specified | 0.4056 | 0 | 0 |
| 230207 | Vegetarian-based, white bread/roll | 0.52 | 0 | 0 |
| 230209 | Vegetarian-based, bread not specified | 0.4056 | 0 | 0 |
| 230210 | Sweet-filled sandwich | 0.4056 | 0 | 0 |
| 230211 | Unspecified sandwiches or rolls | 0.4056 | 0 | 0 |
| 290301 | Waffles & pancakes | 0.5 | 0 | 0 |
| 290401 | Teacakes, scones, currant bun, iced bun | 0.5 | 0 | 0 |

Household Brown/Wholemeal Bread

| Defra Code | Food Description | Factor | Single Adult HH Waste | Multiple Adult HH Waste |
|---------------|--|--------|-----------------------------|-------------------------------|
| 25901 | Brown bread, sliced and unsliced | 1 | 0.3335 | 0.2399 |
| 26001 | Wholemeal & granary bread, sliced and unsliced | 1 | 0.3335 | 0.2399 |
| 26302 | Rolls - white, brown or wholemeal | 0.22 | 0.3942 | 0.1718 |
| 26309 | Sandwiches | 0.1056 | 0.2563 | 0.29 |
| 26310 | Sandwiches from takeaway | 0.1056 | 0.2563 | 0.29 |

Eating Out Brown/Wholemeal Bread

| Defra Code | Food Description | Factor | Single Adult HH Waste | Multiple Adult HH Waste |
|---------------|---|--------|-----------------------------|-------------------------------|
| 220102 | Brown or w/m bread, with or w/o butter/marg (inc toast) | 1 | 0 | 0 |
| 220104 | Brown/wholemeal, without butter/margarine | 1 | 0 | 0 |
| 220110 | Bread/rolls/toast etc, type not specified | 0.22 | 0 | 0 |
| 230102 | Meat-based, brown bread/roll | 0.52 | 0 | 0 |
| 230103 | Meat-based, bread not specified | 0.1144 | 0 | 0 |
| 230105 | Chicken/turkey-based, brown bread/roll | 0.52 | 0 | 0 |
| 230106 | Chicken/turkey-based, bread not specified | 0.1144 | 0 | 0 |
| 230108 | Bacon and egg, brown bread/roll | 0.52 | 0 | 0 |
| 230109 | Bacon and egg, bread not specified | 0.1144 | 0 | 0 |
| 230111 | Fish-based, brown bread/roll | 0.52 | 0 | 0 |
| 230112 | Fish-based, bread not specified | 0.1144 | 0 | 0 |
| 230202 | Cheese-based, brown bread/roll | 0.52 | 0 | 0 |
| 230203 | Cheese-based, bread not specified | 0.1144 | 0 | 0 |
| 230205 | Egg-based, brown bread/roll | 0.52 | 0 | 0 |
| 230206 | Egg-based, bread not specified | 0.1144 | 0 | 0 |
| 230208 | Vegetarian-based, brown bread/roll | 0.52 | 0 | 0 |
| 230209 | Vegetarian-based, bread not specified | 0.1144 | 0 | 0 |
| 230210 | Sweet-filled sandwich | 0.1144 | 0 | 0 |
| 230211 | Unspecified sandwiches or rolls | 0.1144 | 0 | 0 |

Breakfast Cereals

High Fibre and Total Breakfast Cereal (addition of high and low fibre cereals)

Household Wholegrain/High Fibre Breakfast Cereals

| Defra Code | Food Description | Factor | Single Adult HH Waste | Multiple Adult HH Waste |
|---------------|------------------------------|--------|-----------------------------|-------------------------------|
| 28101 | Oatmeal and oat products | 1 | 0.0275 | 0.0224 |
| 28202 | Muesli | 1 | 0.0275 | 0.0224 |
| 28203 | High fibre breakfast cereals | 1 | 0.0275 | 0.0224 |

Eating Out Wholegrain/High Fibre Breakfast Cereals

| Defra Code | Food Description | Factor | Single Adult HH Waste | Multiple Adult HH Waste |
|---------------|---|--------|-----------------------------|-------------------------------|
| 190101 | Muesli and Oat Crunch Cereals | 1 | 0 | 0 |
| 190102 | Other high fibre breakfast cereals e.g. Allbran, Weetabix | 1 | 0 | 0 |
| 190104 | Hot breakfast cereals e.g. porridge, Ready Brek | 1 | 0 | 0 |

Household Low Fibre or High NMES Breakfast Cereal

| Defra Code | Food Description | Factor | Single Adult HH Waste | Multiple Adult HH Waste |
|---------------|-----------------------------|--------|-----------------------------|-------------------------------|
| 28204 | Sweetened breakfast cereals | 1 | 0.0275 | 0.0224 |

Eating Out Low Fibre or High NMES Breakfast Cereal

| Defra Code | Food Description | Factor | Single Adult HH Waste | Multiple Adult HH Waste |
|---------------|--|--------|-----------------------------|-------------------------------|
| 190103 | Sweetened breakfast cereals e.g. Frosties, Sugar Puffs | 1 | 0 | 0 |

Household Low fibre and Lower NMES Breakfast Cereal

| Defra Code | Food Description | Factor | Single Adult HH Waste | Multiple Adult HH Waste |
|---------------|-------------------------|--------|-----------------------------|-------------------------------|
| 28205 | Other breakfast cereals | 1 | 0.0275 | 0.0224 |

Eating Out Low Fibre and Lower NMES Breakfast Cereal

| Defra Code | Food Description | Factor | Single Adult HH Waste | Multiple Adult HH Waste |
|---------------|---|--------|-----------------------------|-------------------------------|
| 190105 | Other breakfast cereals and type not specified e.g. Cornflakes, Rice Krispies, Special K | 1 | 0 | 0 |

Cakes, Sweet Biscuits and Pastries

Cakes and Pastries; Sweet Biscuits; and Cakes, Sweet Biscuits and Pastries

| Defra Code | Food Description | Factor | Single Adult HH Waste | Multiple Adult HH Waste |
|---------------|------------------------------|--------|-----------------------------|-------------------------------|
| 27001 | Cakes & pastries, not frozen | 1 | 0.2802 | 0.1703 |
| 27002 | Takeaway pastries | 1 | 0.2802 | 0.1703 |
| 28601 | Puddings | 1 | 0.0638 | 0.0283 |
| 29402 | Cakes & pastries - frozen | 1 | 0.2802 | 0.1703 |

Household Cakes and Pastries

Eating Out Cakes and Pastries

| Defra Code | Food Description | Factor | Single Adult HH Waste | Multiple Adult HH Waste |
|---------------|--|--------|-----------------------------|-------------------------------|
| 290201 | Doughnut | 1 | 0 | 0 |
| 290202 | Cream pastries e.g. chocolate éclairs, profiteroles | 1 | 0 | 0 |
| 290203 | Cream sponge/ gateau (not chocolate) e.g. Victoria sandwich | 1 | 0 | 0 |
| 290204 | Rich chocolate cake & chocolate gateau e.g. Death by Chocolate | 1 | 0 | 0 |
| 290205 | Fruit and other pies/pastries | 1 | 0 | 0 |
| 290206 | Fruit cake | 1 | 0 | 0 |
| 290207 | Other sponge cakes/desserts (not cream cakes) | 1 | 0 | 0 |
| 290209 | Meringue desserts incl Pavlova | 1 | 0 | 0 |
| 290210 | Cheesecake | 1 | 0 | 0 |
| 290214 | Other cakes and desserts incl not specified | 1 | 0 | 0 |
| 290301 | Waffles & pancakes | 0.5 | 0 | 0 |
| 290401 | Teacakes, scones, currant bun, iced bun | 0.5 | 0 | 0 |

Household Sweet Biscuits

| Defra Code | Food Description | Factor | Single Adult HH Waste | Multiple Adult HH Waste |
|---------------|--|--------|-----------------------------|-------------------------------|
| 27402 | Sweet biscuits (not chocolate) & cereal bars | 1 | 0.0539 | 0.0438 |
| 27702 | Chocolate biscuits | 1 | 0.0539 | 0.0438 |

Eating Out Sweet Biscuits

| Defra Code | Food Description | Factor | Single Adult HH Waste | Multiple Adult HH Waste |
|---------------|---|--------|-----------------------------|-------------------------------|
| 300101 | Fully-coated chocolate biscuits/ wafers | 1 | 0 | 0 |
| 300102 | Sweet biscuits incl half- coated chocolate biscuits | 1 | 0 | 0 |
| 300103 | Cereal bars and cereal based cakes | 1 | 0 | 0 |

Ice Cream and Dairy Desserts

Household Ice Cream and Dairy Desserts

| Defra Code | Food Description | Factor | Single Adult HH Waste | Multiple Adult HH Waste |
|---------------|--|--------|-----------------------------|-------------------------------|
| 1603 | Dairy desserts - not frozen | 1 | 0.1 | 0.1 |
| 33203 | Ice cream tub or block | 1 | 0.0638 | 0.0283 |
| 33302 | Ice Iollies, sorbet, frozen mousse, frozen yoghurt | 1 | 0.0638 | 0.0283 |
| 33303 | Ice Iollies, sorbet, frozen mousse, frozen yoghurt | 1 | 0.0638 | 0.0283 |
| 33304 | Takeaway ice cream, ice cream products, milkshakes | 1 | 0.0638 | 0.0283 |

Eating Out Ice Cream and Dairy Desserts

| Defra Code | Food Description | Factor | Single Adult HH Waste | Multiple Adult HH Waste |
|---------------|--|--------|-----------------------------|-------------------------------|
| 290101 | Ice cream in a cone, cornet or wafer and ice cream desserts | 1 | 0 | 0 |
| 290103 | Ice cream scoop or tub including ice cream served with dessert | 1 | 0 | 0 |
| 290104 | Iced Iollies and sorbets | 1 | 0 | 0 |
| 290211 | Fool, trifle and mousse desserts | 1 | 0 | 0 |

Sugar and Preserves

Household Sugar and Preserves

| Defra Code | Food Description | Factor | Single Adult HH Waste | Multiple Adult HH Waste |
|---------------|---------------------------|--------|-----------------------------|-------------------------------|
| 15001 | Sugar | 1 | 0.1267 | 0.091 |
| 15101 | Jams & fruit curds | 1 | 0.1267 | 0.091 |
| 15201 | Marmalade | 1 | 0.1267 | 0.091 |
| 15301 | Syrup, treacle | 1 | 0.1267 | 0.091 |
| 15401 | Honey | 1 | 0.1267 | 0.091 |
| 32303 | Other spreads & dressings | 1 | 0.1267 | 0.091 |
| 32901 | Jelly squares or crystals | 1 | 0.0638 | 0.0283 |

Eating Out Sugar and Preserves

| Defra Code | Food Description | Factor | Single Adult HH Waste | Multiple Adult HH Waste |
|---------------|--|--------|-----------------------------|-------------------------------|
| 240106 | Sweet sauce e.g. syrup, treacle, chocolate sauce | 1 | 0 | 0 |
| 240402 | Jam, marmalade & honey | 1 | 0 | 0 |
| 240405 | Sugar (as an addition to tea, coffee etc) | 1 | 0 | 0 |
| 290212 | Jelly | 1 | 0 | 0 |

Confectionery

Chocolate Confectionery, Sugar Confectionery and Total Confectionery

Household Chocolate Confectionery

| Defra Code | Food Description | Factor | Single Adult HH Waste | Multiple Adult HH Waste |
|---------------|-------------------------|--------|-----------------------------|-------------------------------|
| 35001 | Chocolate bars - solid | 1 | 0.0958 | 0.0575 |
| 35101 | Chocolate bars - filled | 1 | 0.0958 | 0.0575 |

Eating Out Chocolate Confectionery

| Defra Code | Food Description | Factor | Single Adult HH Waste | Multiple Adult HH Waste |
|---------------|--|--------|-----------------------------|-------------------------------|
| 280101 | Chocolate bars & sweets – solid, unfilled incl 'chocolate', type not specified | 1 | 0 | 0 |
| 280102 | Chocolate-coated bars & sweets - filled e.g. Mars, Snickers, Minstrels | 1 | 0 | 0 |
| 280103 | Single chocolate (after dinner) | 1 | 0 | 0 |

Household Sugar Confectionery

| Defra Code | Food Description | Factor | Single Adult HH Waste | Multiple Adult HH Waste |
|---------------|---------------------------|--------|-----------------------------|-------------------------------|
| 35301 | Mints | 1 | 0.0958 | 0.0575 |
| 35302 | Boiled sweets | 1 | 0.0958 | 0.0575 |
| 35401 | Fudges, toffees, caramels | 1 | 0.0958 | 0.0575 |
| 35501 | Takeaway confectionery | 1 | 0.0958 | 0.0575 |

Eating Out Sugar Confectionery

| Defra Code | Food Description | Factor | Single Adult HH Waste | Multiple Adult HH Waste |
|---------------|--|--------|-----------------------------|-------------------------------|
| 280105 | Mints e.g. Polo, Extra Strong | 1 | 0 | 0 |
| 280106 | Boiled sweets, jellies e.g. fruit gums incl 'sweets', type not specified | 1 | 0 | 0 |
| 280107 | Toffee/fudge, uncoated eg Toffos, Choc Eclairs, caramels | 1 | 0 | 0 |
| 280108 | Pick n mix, nougat, liquorice and other sweets | 1 | 0 | 0 |

Soft Drinks

Sugar Containing Soft Drinks, Sugar Free Soft Drinks, and Total Soft Drinks

Household Sugar Containing Soft Drinks

| Defra Code | Food Description | Factor | Single Adult HH Waste | Multiple Adult HH Waste |
|---------------|--|--------|-----------------------------|-------------------------------|
| 34001 | Soft drinks, concentrated, not low calorie | 1 | 0.1 | 0.1 |
| 34101 | Soft drinks, not concentrated, not low calorie | 1 | 0.1 | 0.1 |

Eating Out Sugar Containing Soft Drinks

| Defra Code | Food Description | Factor | Single Adult HH Waste | Multiple Adult HH Waste |
|---------------|---|--------|-----------------------------|-------------------------------|
| 260203 | Soft drink (incl carbonates & still), not low calorie incl low calorie/ not low cal not specified | 1 | 0 | 0 |
| 260206 | Soft drink where pure juice or juice drink not specified | 1 | 0 | 0 |

Household Sugar Free Soft Drinks

| Defra Code | Food Description | Factor | Single Adult HH Waste | Multiple Adult HH Waste |
|---------------|--|--------|-----------------------------|-------------------------------|
| 34301 | Soft drinks, concentrated, low calorie | 1 | 0.1 | 0.1 |
| 34401 | Soft drinks, not concentrated, low calorie | 1 | 0.1 | 0.1 |

Eating Out Sugar Free Soft Drinks

| Defra Code | Food Description | Factor | Single Adult HH Waste | Multiple Adult HH Waste |
|---------------|---|--------|-----------------------------|-------------------------------|
| 260202 | Soft drink (incl carbonates & still), low calorie | 1 | 0 | 0 |

Meat Products

Household Bacon and Ham

| Defra Code | Food Description | Factor | Single Adult HH Waste | Multiple Adult HH Waste |
|---------------|---------------------------------|---------|-----------------------------|-------------------------------|
| 5502 | Bacon and ham joints, uncooked | 0.69104 | 0.2041 | 0.133 |
| 5505 | Bacon and ham rashers, uncooked | 0.65825 | 0.2041 | 0.133 |
| 5801 | Cooked ham & bacon | 1 | 0.2041 | 0.133 |

Eating Out Bacon and Ham

| Defra Code | Food Description | Factor | Single Adult HH Waste | Multiple Adult HH Waste |
|---------------|--|--------|-----------------------------|-------------------------------|
| 110106 | Bacon | 1 | 0 | 0 |
| 110107 | Gammon or ham | 1 | 0 | 0 |
| 230107 | Bacon and egg based sandwich on white bread or roll including Bacon and Egg McMuffin | 0.25 | 0 | 0 |
| 230108 | Bacon and egg based sandwich on brown bread or roll | 0.25 | 0 | 0 |
| 230109 | Bacon and egg based sandwich bread not specified | 0.25 | 0 | 0 |

Household Other Processed Red Meat Products

| Defra Code | Food Description | Factor | Single Adult HH Waste | Multiple Adult HH Waste |
|---------------|---|----------|-----------------------------|-------------------------------|
| 6201 | Corned beef/ corned meat (canned or sliced) | 1 | 0.0815 | 0.0457 |
| 6601 | Other cooked meat | 0.954007 | 0.0584 | 0.0401 |
| 7102 | Other canned meat and canned meat products | 0.532811 | 0.0584 | 0.0401 |
| 7901 | Sausages (uncooked) - pork | 0.78 | 0.0584 | 0.0401 |
| 8001 | Sausages (uncooked) - beef | 0.779 | 0.0584 | 0.0401 |
| 8302 | Meat pies | 0.271562 | 0.2563 | 0.29 |
| 8303 | Sausage rolls | 0.28 | 0.2563 | 0.29 |
| 8401 | Meat pies, pasties and puddings | 0.27445 | 0.2563 | 0.29 |
| 8501 | Burgers | 0.73 | 0.0584 | 0.0401 |
| 8902 | Other convenience meat products | 0.240481 | 0.2563 | 0.29 |
| 9301 | Pâté | 1 | 0.1324 | 0.0755 |
| 9302 | Delicatessen type sausages: cooked or cured | 1 | 0.0584 | 0.0401 |
| 9403 | Meat pastes and spreads | 1 | 0.1324 | 0.0755 |
| 9501 | Takeaway meat pies & pasties | 0.266316 | 0.2563 | 0.29 |
| 9502 | Burger & bun e.g. hamburger | 0.485 | 0.2563 | 0.29 |
| 9503 | Kebabs | 0.5 | 0.2563 | 0.29 |
| 9504 | Sausages & saveloys | 1 | 0.2563 | 0.29 |
| 9506 | Miscellaneous meats | 0.649653 | 0.2563 | 0.29 |

| Defra Code | Food Description | Factor | Single Adult HH Waste | Multiple Adult HH Waste |
|---------------|---|--------|-----------------------------|-------------------------------|
| 110301 | Small or single burgers | 0.39 | 0 | 0 |
| 110302 | Large or double burgers | 0.58 | 0 | 0 |
| 110401 | Kebabs - all types including chicken | 0.5 | 0 | 0 |
| 110402 | Plain sausages e.g. beef, pork | 1 | 0 | 0 |
| 110403 | Other sausages | 1 | 0 | 0 |
| 110404 | Hot dogs and sausage sandwiches | 0.1769 | 0 | 0 |
| 110501 | Meat pies (pastry topped) and pasties | 0.16 | 0 | 0 |
| 110502 | Meat pies (potato topped e.g. shepherd's pie) | 0.1963 | 0 | 0 |
| 110503 | Sausage roll (pastry) | 0.28 | 0 | 0 |
| 110701 | All pates | 0.5 | 0 | 0 |
| 110801 | Other meat products or dishes | 0.2592 | 0 | 0 |
| 130202 | Pizza - meat, fish or poultry | 0.0337 | 0 | 0 |
| 160301 | Meat salad e.g. beef, lamb salads | 0.314 | 0 | 0 |
| 230101 | Meat based sandwich on white bread or roll | 0.242 | 0 | 0 |
| 230102 | Meat based sandwich on brown bread or roll | 0.242 | 0 | 0 |
| 230103 | Meat based sandwich bread not specified | 0.242 | 0 | 0 |

Eating Out Other Processed Red Meat Products

Household Savoury Meat Pies

| Defra Code | Food Description | Factor | Single Adult HH Waste | Multiple Adult HH Waste |
|---------------|---------------------------------|--------|-----------------------------|-------------------------------|
| 8302 | Meat pies | 1 | 0.2563 | 0.29 |
| 8303 | Sausage rolls | 1 | 0.2563 | 0.29 |
| 8401 | Meat pies, pasties and puddings | 1 | 0.2563 | 0.29 |
| 9501 | Takeaway meat pies & pasties | 1 | 0.2563 | 0.29 |

Eating Out Savoury Meat Pies

| Defra Code | Food Description | Factor | Single Adult HH Waste | Multiple Adult HH Waste |
|---------------|---------------------------------------|--------|-----------------------------|-------------------------------|
| 110501 | Meat pies (pastry topped) and pasties | 1 | 0 | 0 |
| 110503 | Sausage roll (pastry) | 1 | 0 | 0 |

Spreading Fats – Butter, Soft Margarine, Low Fat Spread and Total (addition of others)

Household Butter

| Defra Code | Food Description | Factor | Single Adult HH Waste | Multiple Adult HH Waste |
|---------------|------------------|--------|-----------------------------|-------------------------------|
| 13501 | Butter | 1 | 0.0386 | 0.0176 |

Household Soft Margarine

| Defra Code | Food Description | Factor | Single Adult HH Waste | Multiple Adult HH Waste |
|---------------|------------------|--------|-----------------------------|-------------------------------|
| 13801 | Soft margarine | 1 | 0.0386 | 0.0176 |

Household Low Fat Spread

| Defra Code | Food Description | Factor | Single Adult HH Waste | Multiple Adult HH Waste |
|---------------|---------------------|--------|-----------------------------|-------------------------------|
| 14802 | Reduced fat spreads | 1 | 0.0386 | 0.0176 |
| 14802 | Low fat spreads | 1 | 0.0386 | 0.0176 |

Cooking Oil

Household Cooking Oil

| Defra Code | Food Description | Factor | Single Adult HH Waste | Multiple Adult HH Waste |
|---------------|------------------------------|--------|-----------------------------|-------------------------------|
| 14304 | Olive oil | 1 | 0.1267 | 0.091 |
| 14305 | Other vegetable & salad oils | 1 | 0.1267 | 0.091 |

Cream

Household Cream

| Defra Code | Food Description | Factor | Single Adult HH Waste | Multiple Adult HH Waste |
|---------------|------------------|--------|-----------------------------|-------------------------------|
| 1701 | Cream | 1 | 0.1222 | 0.096 |

Eating Out Cream

| Defra Code | Food Description | Factor | Single Adult HH Waste | Multiple Adult HH Waste |
|---------------|-----------------------------------|--------|-----------------------------|-------------------------------|
| 240403 | Cream - single, double, sour etc. | 1 | 0 | 0 |

Cheese

Household Cheese

| Defra Code | Food Description | Factor | Single Adult HH Waste | Multiple Adult HH Waste |
|---------------|--|--------|-----------------------------|-------------------------------|
| 2201 | Hard cheese - Cheddar type | 1 | 0.0883 | 0.0829 |
| 2202 | Hard cheese - Other UK or foreign equivalent | 1 | 0.0883 | 0.0829 |
| 2203 | Hard cheese - Edam or other foreign | 1 | 0.0883 | 0.0829 |
| 2205 | Cottage cheese | 1 | 0.0883 | 0.0829 |
| 2206 | Soft natural cheese | 1 | 0.0883 | 0.0829 |
| 2301 | Processed cheese | 1 | 0.0883 | 0.0829 |

Eating Out Cheese

| Defra Code | Food Description | Factor | Single Adult HH Waste | Multiple Adult HH Waste |
|---------------|--|--------|-----------------------------|-------------------------------|
| 130101 | Cottage cheese including with pineapple | 1 | 0 | 0 |
| 130102 | Soft, continental or processed cheese e.g. brie | 1 | 0 | 0 |
| 130103 | Cheddar, blue or other hard cheese and unspecified | 1 | 0 | 0 |

Milk

Household Whole Milk

| Defra Code | Food Description | Factor | Single Adult HH Waste | Multiple Adult HH Waste |
|---------------|--------------------------|--------|-----------------------------|-------------------------------|
| 402 | UHT milk | 1 | 0.1 | 0.1 |
| 403 | Sterilised | 1 | 0.1 | 0.1 |
| 404 | Pasteurised/ homogenised | 1 | 0.1 | 0.1 |

Household Semi-skimmed Milk

| Defra Code | Food Description | Factor | Single Adult HH Waste | Multiple Adult HH Waste |
|---------------|-------------------|--------|-----------------------------|-------------------------------|
| 1503 | Semi-skimmed milk | 1 | 0.1 | 0.1 |

Household Skimmed Milk

| Defra Code | Food Description | Factor | Single Adult HH Waste | Multiple Adult HH Waste |
|---------------|--------------------|--------|-----------------------------|-------------------------------|
| 1502 | Fully skimmed milk | 1 | 0.1 | 0.1 |

Household Total Milk

| Defra Code | Food Description | Factor | Single Adult HH Waste | Multiple Adult HH Waste |
|---------------|---|--------|-----------------------------|-------------------------------|
| 402 | UHT milk | 1 | 0.1 | 0.1 |
| 403 | Sterilised | 1 | 0.1 | 0.1 |
| 404 | Pasteurised/homogenised | 1 | 0.1 | 0.1 |
| 501 | School milk | 1 | 0.1 | 0.1 |
| 601 | Welfare milk | 1 | 0.1 | 0.1 |
| 901 | Condensed or evaporated milk | 2.6 | 0.1 | 0.1 |
| 1102 | Infant or baby milks - ready to drink | 1 | 0.1 | 0.1 |
| 1103 | Infant or baby milks - dried | 1 | 0.1 | 0.1 |
| 1201 | Instant dried milk | 1 | 0.1 | 0.1 |
| 1502 | Fully skimmed milk | 1 | 0.1 | 0.1 |
| 1503 | Semi-skimmed milk | 1 | 0.1 | 0.1 |
| 1605 | Dried milk products | 1 | 0.1 | 0.1 |
| 1606 | Milk drinks & other milks (replaced 200405 onwards) | 1 | 0.1 | 0.1 |
| 1607 | Milk drinks & other milks | 1 | 0.1 | 0.1 |

Eating Out Total Milk

| Defra Code | Food Description | Factor | Single Adult HH Waste | Multiple Adult HH Waste |
|---------------|------------------------------|--------|-----------------------------|-------------------------------|
| 260301 | Milk as a drink | 1 | 0 | 0 |
| 260302 | Milk on cereal | 1 | 0 | 0 |
| 260303 | Milkshake and flavoured milk | 1 | 0 | 0 |
| 260304 | Free school milk | 1 | 0 | 0 |

White Fish

NB: Factors are multiplied by 7 in order that fish calculations can be carried out alongside those for other foods as the fish target is in grams per week and the other targets are in grams per day

Household White Fish

| Defra Code | Food Description | Factor | Single Adult HH Waste | Multiple Adult HH Waste |
|---------------|--|--------|-----------------------------|-------------------------------|
| 10201 | White fish, fresh or chilled | 7 | 0.096 | 0.0418 |
| 10202 | White fish, frozen | 7 | 0.096 | 0.0418 |
| 11401 | White fish, dried or salted or smoked | 7 | 0.096 | 0.0418 |
| 11702 | Shellfish, fresh or chilled | 7 | 0.2178 | 0.0621 |
| 11703 | Shellfish, frozen | 7 | 0.2178 | 0.0621 |
| 11801 | Takeaway fish | 3.85 | 0.096 | 0.0418 |
| 12001 | Other tinned or bottled fish | 5.67 | 0.096 | 0.0418 |
| 12103 | Ready meals & other fish products - frozen or not frozen | 2.45 | 0.2563 | 0.29 |
| 12304 | Takeaway fish products | 3.5 | 0.2563 | 0.29 |
| 12305 | Takeaway fish based meals | 3.5 | 0.2563 | 0.29 |

| Defra Code | Food Description | Factor | Single Adult HH Waste | Multiple Adult HH Waste |
|---------------|---|--------|-----------------------------|-------------------------------|
| 100101 | Meat or fish based curry with sauce | 1.75 | 0 | 0 |
| 100102 | Meat or fish based curry without sauce | 1.75 | 0 | 0 |
| 100201 | Chinese or Thai meat or fish based dishes excluding curry | 1.75 | 0 | 0 |
| 120101 | White fish - grilled, steamed, baked or boiled - no sauce | 7 | 0 | 0 |
| 120102 | White fish - fried (incl in batter/breadcrumbs) - no sauce | 3.85 | 0 | 0 |
| 120301 | Shellfish - without sauce or dressing e.g. prawns, shrimps, oysters, crab | 7 | 0 | 0 |
| 120501 | Other fish products and unspecified 'fish' e.g. squid, sushi, crabsticks | 7 | 0 | 0 |
| 120601 | Fish, processed, in breadcrumbs (fish fingers, fish cakes, scampi) - without sauce/dressing | 3.5 | 0 | 0 |
| 120602 | Fish burgers [in bun] | 1.575 | 0 | 0 |
| 120603 | Fish based pie or other dish e.g. paella, kedgeree, tuna pasta bake | 2.45 | 0 | 0 |
| 130202 | Pizza - meat, fish or poultry | 0.175 | 0 | 0 |
| 160303 | Fish salad e.g. tuna, salmon salads | 0.7 | 0 | 0 |
| 230110 | Fish based sandwich on white bread or roll | 2.31 | 0 | 0 |
| 230111 | Fish based sandwich on brown bread or roll | 2.31 | 0 | 0 |
| 230112 | Fish based sandwich bread not specified | 2.31 | 0 | 0 |
| 240103 | Fish or seafood based sauce | 3.43 | 0 | 0 |
| 240304 | Fish-based filling e.g. tuna mayonnaise | 4.55 | 0 | 0 |

Fresh Potatoes

Household Fresh Potatoes

| Defra Code | Food Description | Factor | Single Adult HH Waste | Multiple Adult HH Waste |
|---------------|--|--------|-----------------------------|-------------------------------|
| 15501 | Potatoes | 1 | 0.3718 | 0.2416 |
| 15502 | Potatoes | 1 | 0.3718 | 0.2416 |
| 15503 | Potatoes | 1 | 0.3718 | 0.2416 |
| 15504 | Fresh potatoes not specified elsewhere | 1 | 0.3718 | 0.2416 |
| 15505 | Fresh new potatoes | 1 | 0.3718 | 0.2416 |
| 15506 | Fresh baking potatoes | 1 | 0.3718 | 0.2416 |

Eating Out Fresh Potatoes

| Defra Code | Food Description | Factor | Single Adult HH Waste | Multiple Adult HH Waste |
|---------------|---|--------|-----------------------------|-------------------------------|
| 140103 | Potatoes - boiled & type not specified | 1 | 0 | 0 |
| 140104 | Potatoes - mashed | 1 | 0 | 0 |
| 140105 | Potatoes - roast | 1 | 0 | 0 |
| 140106 | Sautéed potatoes/potato croquettes/hash browns | 1 | 0 | 0 |
| 140107 | Baked/ jacket potatoes - no filling | 1 | 0 | 0 |
| 140108 | Other potato dishes (e.g. wedges, potato salad) & not specified | 1 | 0 | 0 |

Processed Potatoes

Household Processed Potatoes

| Defra Code | Food Description | Factor | Single Adult HH Waste | Multiple Adult HH Waste |
|---------------|--|--------|-----------------------------|-------------------------------|
| 19702 | Chips - frozen or not frozen | 1 | 0.3718 | 0.2416 |
| 19703 | Takeaway chips | 1 | 0.3718 | 0.2416 |
| 19801 | Instant potato | 1 | 0.3718 | 0.2416 |
| 19901 | Canned potatoes | 1 | 0.3718 | 0.2416 |
| 20101 | Other potato products - frozen or not frozen | 1 | 0.3718 | 0.2416 |

Eating Out Processed Potatoes

| Defra Code | Food Description | Factor | Single Adult HH Waste | Multiple Adult HH Waste |
|---------------|---|--------|-----------------------------|-------------------------------|
| 140101 | Chips & French fries - from fast food outlet e.g. McDonalds | 1 | 0 | 0 |
| 140102 | Chips - served with meal e.g. from restaurant, chip shop | 1 | 0 | 0 |

Nuts

Household Nuts

| Defra Code | Food Description | Factor | Single Adult HH Waste | Multiple Adult HH Waste |
|---------------|---------------------|--------|-----------------------------|-------------------------------|
| 24502 | Nuts & edible seeds | 1 | 0.0228 | 0.043 |
| 24503 | Peanut butter | 1 | 0.0228 | 0.043 |

Eating Out Nuts

| Defra Code | Food Description | Factor | Single Adult HH Waste | Multiple Adult HH Waste |
|---------------|------------------------------|--------|-----------------------------|-------------------------------|
| 310101 | Nuts, nut products and seeds | 1 | 0 | 0 |

Savoury Snacks

Household Savoury Snacks

| Defra Code | Food Description | Factor | Single Adult HH Waste | Multiple Adult HH Waste |
|---------------|--|--------|-----------------------------|-------------------------------|
| 20002 | Crisps & potato snacks | 1 | 0.1239 | 0.0809 |
| 29909 | Cereal snacks | 1 | 0.0275 | 0.0224 |
| 29916 | Takeaway crisps, savoury snacks, popcorn, popadums, prawn crackers | 1 | 0.1239 | 0.0809 |

Eating Out Savoury Snacks

| Defra Code | Food Description | Factor | Single Adult HH Waste | Multiple Adult HH Waste |
|---------------|--|--------|-----------------------------|-------------------------------|
| 310102 | Potato crisps or snacks including unspecified 'crisps', prawn crackers | 1 | 0 | 0 |
| 310103 | Corn snacks, based on maize | 1 | 0 | 0 |
| 310104 | Wheat-based savoury snack | 1 | 0 | 0 |

| Food Code | Description | HH / EO | Food & Milk | Factor |
|--------------|---|------------|-----------------------|--------------|
| 402 | UHT whole milk | HH | ✓ | 1 |
| 403 | Sterilised whole milk | HH | ✓ | 1 |
| 404 | Pasteurised or homogenised whole milk | HH | ✓ | 1 |
| 501 | School milk | HH | ✓ | 1 |
| 601 | Welfare milk | HH | ✓ | 1 |
| 901 | Condensed or evaporated milk | HH | ✓ | 1 |
| 1102 | Infant or baby milks - ready to drink | HH | ✓ | 1 |
| 1103 | Infant or baby milks - dried (reconstituted) | HH | ✓ | 1 |
| 1201 | Instant dried milk (reconstituted) | HH | ✓ | 1 |
| 1301 | Yoghurt | HH | ✓ | 1 |
| 1302 | Fromage frais | HH | ✓ | 1 |
| 1502 | Fully skimmed milk | HH | ✓ | 1 |
| 1503 | Semi-skimmed milk | HH | ✓ | 1 |
| 1603 | Dairy desserts - not frozen | HH | ✓ | 1 |
| 1605 | Dried milk products (reconstituted) | HH | ✓ | 1 |
| 1606 | Milk drinks & other milks | HH | √ | 1 |
| 1607 | Milk drinks & other milks | НН | ✓ ✓ | 1 |
| 1608 | Non-dairy milk substitutes | HH | ✓ | 1 |
| 1701 | Cream | HH | ✓ | 1 |
| 2201 | Hard cheese - Cheddar type | HH | ✓ | 1 |
| 2202 | Hard cheese - Other | HH | ✓ | 1 |
| 2203 | Hard cheese - Edam | HH | ✓ | 1 |
| 2205 | Cottage cheese | HH | ✓ | 1 |
| 2206 | Soft natural cheese | HH | ✓ | 1 |
| 2301 | Processed cheese | HH | √ | 1 |
| 3102 | Beef joints - on the bone | HH | √ | 0.56 |
| 3103 | Beef joints - boned | HH | √ | 0.63 |
| 3104 | Beef steak - less expensive | HH | √ | 0.64 |
| 3105 | Beef steak - more expensive | HH | √ | 0.73 |
| 3106 | Minced beef | HH | √ | 0.82 |
| 3107 | All other beef and veal | HH | ✓ ✓ | 0.62 |
| 3601 | Mutton | HH | √ | 0.62 |
| 3602 | Lamb joints | HH | √ | 0.59 |
| 3603 | Lamb chops | HH | ✓ ✓ | 0.55 |
| 3604 | All other lamb | HH | | 0.71 |
| 4101 | Pork joints | HH | ✓ ✓ | 0.57 |
| 4102 | Pork chops | HH | ✓ ✓ | 0.59 |
| 4103 | Pork fillets and steaks | HH | ✓ ✓ | 0.65 |
| 4104 4603 | All other pork Ox liver | HH | ▼ ✓ | 0.63 |
| 4603 | | HH HH | ▼ ✓ | 0.91 0.78 |
| | Lambs liver | HH | ✓ ✓ | |
| 4605 4607 | Pigs liver All other liver | HH | ▼ ✓ | 0.88 |
| 4607 5101 | All offal other than liver | НН | ✓ ✓ | 0.88 0.56 |
| 5101 | Bacon and ham joints, uncooked | НН | ✓ ✓ | 0.56 |
| 5502 | Bacon and ham rashers, uncooked | HH | ✓ ✓ | 0.69 |
| 5801 | Ham and bacon (cooked) | HH | ▼ ✓ | 0.66 |
| 5903 | Cooked chicken and turkey | НН | ✓ ✓ | 1 |
| 5903 | Takeaway chicken | HH | ✓ ✓ | 1 |
| 6201 | Corned beef - canned or sliced | HH | ✓ ✓ | 1 |
| 6601 | Other cooked meat | HH | ✓ ✓ | 1 |
| 7102 | Other canned meat and meat products | НН | · ✓ | 1 |
| 7401 | Chicken - whole or part | HH | ✓ | 0.54 |
| 7401 | Turkey - whole or part | HH | ✓ ✓ | 0.54 |
| 7703 | Poultry other than chicken or turkey | HH | ✓ ✓ | 0.33 |
| 7704 | Other fresh, chilled or frozen meat | HH | • ✓ | 0.40 |
| 7801 | Sausages, uncooked - pork | HH | ✓ ✓ | 0.39 |
| 8001 | Sausages, uncooked - pork Sausages, uncooked - beef etc. | HH | ✓ ✓ | 0.78 |
| 8302 | Meat pies - ready to eat | HH | ▼ ✓ | 0.78 |
| 8302 | Sausage rolls - ready to eat | HH | ✓ ✓ | 1 |
| 8303 | Meat pies, pasties and puddings | НН | ✓ ✓ | 1 |
| 8401 | Burgers - frozen or not frozen | HH | v √ | 0.73 |
| | | 1117 | | 0.73 |

| 8902 | Other convenience meat products | HH | ✓ | 1 |
|---|--|--|--|---|
| 9301 | Pate | НН | ✓ ✓ | 1 |
| 9302 | Delicatessen type sausages | НН | · · | 1 |
| 9403 | Meat pastes and spreads | НН | ✓ ✓ | 1 |
| 9501 | Takeaway meat pies and pasties | НН | ✓ ✓ | 1 |
| 9501 | Takeaway burger and bun | НН | ✓ | 1 |
| 9502 | Takeaway kebabs | НН | · · · · · · · · · · · · · · · · · · · | 1 |
| 9504 | Takeaway sausages and saveloys | НН | ✓ ✓ | 1 |
| 9505 | Takeaway meat based meals | НН | ✓ ✓ | 1 |
| 9505 | Takeaway miscellaneous meats | HH | ▼ ✓ | 1 |
| 10201 | White fish, fresh or chilled | HH | v √ | 0.94 |
| 10201 | White fish, frozen | HH | ✓ ✓ | 0.94 |
| 10202 | Herrings and other blue fish, fresh/chilled | НН | ✓ ✓ | 0.34 |
| 10601 | Herrings and other blue fish, frozen | HH | ✓ ✓ | 0.89 |
| 10002 | Salmon, fresh or chilled | HH | ✓ ✓ | 0.89 |
| 10701 | Salmon, frozen | HH | ✓ ✓ | 0.94 |
| | | | ✓ ✓ | |
| 10801 | Blue fish, dried or salted or smoked | HH | | 0.71 |
| 11401 | White fish, dried or salted or smoked | HH | √ | 0.97 |
| 11702 | Shellfish, fresh or chilled | НН | ✓ | 1 |
| 11703 | Shellfish, frozen | HH | ✓ | 1 |
| 11801 | Takeaway fish | HH | ✓ | 1 |
| 11901 | Tinned salmon | HH | ✓ | 1 |
| 12001 | Other tinned or bottled fish | HH | ✓ | 1 |
| 12103 | Ready meals and other fish products | HH | ✓ | 1 |
| 12304 | Takeaway fish products | НН | ✓ | 1 |
| 12305 | Takeaway fish based meals | НН | ✓ | 1 |
| 12901 | Eggs | HH | ✓ | 50 |
| 13501 | Butter | HH | ✓ | 1 |
| 13801 | Soft margarine | HH | ✓ | 1 |
| 13802 | Other margarine | HH | ✓ | 1 |
| 13901 | Lard, cooking fat | НН | ✓ | 1 |
| 14304 | Olive Oil | HH | ✓ | 1 |
| 14305 | Other vegetable and salad oils | HH | ✓ | 1 |
| 14802 | Reduced fat spreads | HH | ✓ | 1 |
| 14803 | Low fat spreads | HH | ✓ | 1 |
| 14805 | Suet and dripping | HH | ✓ | 1 |
| 14807 | Imitation cream | HH | ✓ | 1 |
| 15001 | Sugar | HH | ✓ | 1 |
| 15101 | Jams and fruit curds | HH | ✓ | 1 |
| 15201 | Marmalade | HH | ✓ | 1 |
| 15301 | Syrup, treacle | HH | ✓ | 1 |
| 15401 | Honey | HH | ✓ | 1 |
| 15501 | Potatoes | HH | ✓ | 1 |
| 15502 | Potatoes | HH | ✓ | 1 |
| 15503 | Potatoes | HH | ✓ | 1 |
| 15504 | Fresh potatoes not specified elsewhere | HH | ✓ | 1 |
| 15505 | Fresh new potatoes | HH | ✓ | 1 |
| 15506 | Fresh baking potatoes | HH | ✓ | 1 |
| 16201 | Fresh cabbages | HH | ✓ | 1 |
| 16301 | Fresh Brussels sprouts | НН | ✓ | 1 |
| 16401 | Fresh cauliflower | НН | ✓ | 1 |
| 16701 | Lettuce and leafy salads | HH | ✓ | 1 |
| 16702 | Prepared lettuce salads | НН | ✓ | 1 |
| 16801 | Fresh peas | HH | √ | 1 |
| | Fresh beans | HH | ✓ | 1 |
| 16901 | | | | |
| | | | ✓ | 1 |
| 16901 17101 17201 | Other fresh green vegetables Fresh carrots | НН | | |
| 17101 17201 | Other fresh green vegetables Fresh carrots | HH HH | ✓ | 1 |
| 17101 17201 17301 | Other fresh green vegetables Fresh carrots Fresh turnips and swede | HH HH HH | ✓ ✓ | 1 |
| 17101 17201 17301 17401 | Other fresh green vegetables Fresh carrots Fresh turnips and swede Other fresh root vegetables | HH HH HH HH | ✓ ✓ ✓ ✓ | 1 1 1 |
| 17101 17201 17301 17401 17501 | Other fresh green vegetables Fresh carrots Fresh turnips and swede Other fresh root vegetables Fresh onions, leeks and shallots | HH HH HH HH | ✓ ✓ ✓ ✓ ✓ | 1 1 1 1 |
| 17101 17201 17301 17401 17501 17601 | Other fresh green vegetables Fresh carrots Fresh turnips and swede Other fresh root vegetables Fresh onions, leeks and shallots Fresh cucumbers | HH HH HH HH HH | ✓ ✓ ✓ ✓ ✓ ✓ | 1 1 1 1 1 |
| 17101 17201 17301 17401 17501 17601 17701 | Other fresh green vegetables Fresh carrots Fresh turnips and swede Other fresh root vegetables Fresh onions, leeks and shallots Fresh cucumbers Fresh mushrooms | HH HH HH HH HH HH | ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ | 1 1 1 1 1 1 1 |
| 17101 17201 17301 17401 17501 17601 17701 17801 | Other fresh green vegetables Fresh carrots Fresh turnips and swede Other fresh root vegetables Fresh onions, leeks and shallots Fresh cucumbers Fresh mushrooms Fresh tomatoes | HH HH HH HH HH HH HH | ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ | 1 1 1 1 1 1 1 |
| 17101 17201 17301 17401 17501 17601 17701 17801 18301 | Other fresh green vegetables Fresh carrots Fresh turnips and swede Other fresh root vegetables Fresh onions, leeks and shallots Fresh cucumbers Fresh mushrooms Fresh tomatoes Fresh vegetable stewpack, stirfry pack etc. | HH HH HH HH HH HH HH HH HH | ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ | 1 1 1 1 1 1 1 1 1 |
| 17101 17201 17301 17401 17501 17601 17701 17801 | Other fresh green vegetables Fresh carrots Fresh turnips and swede Other fresh root vegetables Fresh onions, leeks and shallots Fresh cucumbers Fresh mushrooms Fresh tomatoes | HH HH HH HH HH HH HH | ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ | 1 |

| 18401 | Tomatoes, canned or bottled | HH | ✓ | |
|--|--|----------------------------|-----------------------|------|
| 18501 | Peas, canned | HH | ✓ | |
| 18802 | Baked beans in sauce | HH | ✓ | |
| 18803 | Other canned beans and pulses | HH | ✓ | |
| 19101 | Other canned vegetables | HH | ✓ | |
| 19201 | Dried pulses, other than air-dried | HH | ✓ | 6.1 |
| 19501 | Air-dried vegetables | HH | ✓ | 14.3 |
| 19602 | Tomato puree and vegetable purees | HH | ✓ | |
| 19603 | Vegetable juices e.g. tomato, carrot | HH | × | |
| 19702 | Chips - frozen or not frozen | HH | ✓ | |
| 19703 | Takeaway chips | HH | ✓ | |
| 19801 | Instant potato | HH | ✓ | |
| 19901 | Canned potatoes | HH | ✓ | |
| 20002 | Crisps and potato snacks | HH | ✓ | |
| 20101 | Other potato products | HH | ✓ | |
| 20301 | Peas, frozen | HH | ✓ | |
| 20401 | Beans, frozen | HH | ✓ | |
| 20601 | Ready meals & other vegetable products | HH | ✓ | |
| 20604 | All vegetable takeaway products | HH | ✓ | |
| 20801 | Other frozen vegetables | HH | ✓ | |
| 21001 | Fresh oranges | HH | ✓ | |
| 21401 | Other fresh citrus fruits | HH | ✓ | |
| 21701 | Fresh apples | HH | ✓ | |
| 21801 | Fresh pears | HH | ✓ | |
| 22101 | Fresh stone fruit | HH | ✓ | |
| 22201 | Fresh grapes | HH | ✓ | |
| 22701 | Other fresh soft fruit | HH | ✓ | |
| 22801 | Fresh bananas | HH | ✓ | |
| 22901 | Fresh melons | HH | ✓ | |
| 23101 | Other fresh fruit | HH | ✓ | |
| 23301 | Tinned peaches, pears and pineapples | HH | ✓ | |
| 23601 | All other tinned or bottled fruit | HH | ✓ | |
| 24001 | Dried fruit | HH | ✓ | |
| 24101 | Frozen strawberries, apples, peach halves, oranges & other fruits | HH | ✓ | |
| 24502 | Nuts & edible seeds | HH | ✓ | |
| 24503 | Peanut butter | HH | ✓ | |
| 24801 | Pure fruit juices | HH | × | |
| 25102 | White bread, standard, unsliced | HH | ✓ | |
| 25202 | White bread, standard, sliced | HH | ✓ | |
| 25701 | White bread, premium, sliced and unsliced | HH | ✓ | |
| 25801 | White bread, soft grain, sliced and unsliced | HH | ✓ | |
| 25901 | Brown bread, sliced and unsliced | HH | ✓ | |
| 26001 | Wholemeal and granary bread | HH | ✓ | |
| 26302 | Rolls - white, brown or wholemeal | HH | ✓ | |
| 26303 | Malt bread and fruit loaves | HH | ✓ | |
| 26304 | Vienna and French bread | HH | ✓ | |
| 26305 | Starch reduced bread and rolls | НН | ✓ ✓ | |
| 26308 | Other breads | НН | ✓ ✓ | |
| 26309 | Sandwiches | HH | ✓ | |
| 26310 | Sandwiches from takeaway | НН | ✓ ✓ | |
| 26311 | Takeaway breads | НН | ✓ ✓ | |
| 26401 | Flour | НН | ✓ | |
| 26701 | Buns, scones and teacakes | НН | ✓ ✓ | |
| 27001 | Cakes and pastries, not frozen | HH | ✓ | |
| 27002 | Takeaway pastries | HH | ✓ | |
| | Crispbread | НН | ✓ ✓ | |
| 27101 | Sweet biscuits (not choc) and cereal bars | HH | ✓ ✓ | |
| 27402 | | | ✓ | |
| 27402 27403 | Cream crackers & other unsweetened biscuits | HH | | |
| 27402 27403 27702 | Chocolate biscuits | НН | 1 | |
| 27402 27403 27702 28101 | Chocolate biscuits Oatmeal and oat products | HH HH | ✓ | |
| 27402 27403 27702 28101 28202 | Chocolate biscuits Oatmeal and oat products Muesli | HH HH HH | ✓ ✓ | |
| 27402 27403 27702 28101 28202 28203 | Chocolate biscuits Oatmeal and oat products Muesli High fibre breakfast cereals | HH HH HH HH | ✓ ✓ ✓ | |
| 27402 27403 27702 28101 28202 28203 28204 | Chocolate biscuits Oatmeal and oat products Muesli High fibre breakfast cereals Sweetened breakfast cereals | HH HH HH HH HH | ✓ ✓ ✓ ✓ | |
| 27402 27403 27702 28101 28202 28203 28204 28205 | Chocolate biscuits Oatmeal and oat products Muesli High fibre breakfast cereals Sweetened breakfast cereals Other breakfast cereals | HH HH HH HH HH | ✓ ✓ ✓ ✓ ✓ | |
| 27402 27403 27702 28101 28202 28203 28204 | Chocolate biscuits Oatmeal and oat products Muesli High fibre breakfast cereals Sweetened breakfast cereals | HH HH HH HH HH | ✓ ✓ ✓ ✓ | |

| 28702 | Dried rice | HH | ✓ | 2.77 |
|---|--|--|---|---|
| 28703 | Cooked rice | HH | ✓ | 1 |
| 28704 | Takeaway rice | HH | ✓ | 1 |
| 29001 | Invalid, slimming and sports foods | HH | ✓ | 1 |
| 29101 | Infant cereal foods | HH | ✓ | 1 |
| 29402 | Cakes and pastries - frozen | НН | ✓ | 1 |
| 29501 | Canned pasta | НН | ✓ | 1 |
| 29501 | Dried and fresh pasta | НН | · √ | 2.27 |
| 29502 | • | | | |
| | Takeaway pasta and noodles | HH | ✓ | 1 |
| 29601 | Pizzas - frozen and not frozen | НН | ✓ | 1 |
| 29602 | Takeaway pizza | HH | ✓ | 1 |
| 29907 | Cake, pudding and dessert mixes | HH | ✓ | 8.50 |
| 29909 | Cereal snacks | HH | ✓ | 1 |
| 29915 | Quiches and flans - frozen and not frozen | HH | ✓ | 1 |
| 29916 | T/A crisps, savoury snacks, popcorn, popadums, prawn crackers | HH | ✓ | 1 |
| 29919 | Other cereal foods - frozen and not frozen | НН | ✓ | 1 |
| 30101 | Other cereals | НН | · · | 1 |
| | Tea | | | 83 |
| 30401 | | HH | × | |
| 30701 | Coffee beans and ground coffee | НН | × | 52 |
| 30801 | Instant coffee | HH | × | 173 |
| 30901 | Coffee essences | HH | × | 20.8 |
| 31001 | Tea and coffee from takeaway | HH | × | 1 |
| 31201 | Cocoa and chocolate drinks | HH | ✓ | 1 |
| 31301 | Malt drinks and chocolate versions of malted drinks | НН | ✓ | 1 |
| 31401 | Mineral or spring waters | НН | × | 1 |
| 31501 | | | ~ | 1 |
| | Baby foods | НН | | |
| 31801 | Soups - canned or cartons | НН | ✓ | 1 |
| 31901 | Soups - dehydrated or powdered | HH | ✓ | 9.40 |
| 32001 | Soups - from takeaway | НН | ✓ | 1 |
| 32101 | Other takeaway food brought home | HH | × | |
| 32201 | Meals on wheels - items not specified | HH | √ | 1 |
| 32302 | Salad dressings | HH | ✓ | 1 |
| 32303 | Other spreads and dressings | HH | ✓ | 1 |
| 32702 | Pickles | НН | · ✓ | 1 |
| | | | | |
| 32703 | Sauces | HH | ✓ | 1 |
| 32704 | Takeaway sauces and mayonnaise | HH | ✓ | 1 |
| 32801 | Stock cubes and meat and yeast extracts | HH | ✓ | 1 |
| 32901 | Jelly squares or crystals | HH | ✓ | 1 |
| 33203 | Ice cream tub or block | HH | ✓ | 1 |
| 33302 | Ice cream cornets, choc-ices, lollies with ice cream | HH | ✓ | 1 |
| 33303 | Ice lollies, sorbet, frozen mousse, frozen yoghurt | HH | ✓ | 1 |
| 33304 | Takeaway ice cream, ice cream products, milkshakes | HH | ✓ | 1 |
| | | | | |
| 33401 | Sait | НН | × | |
| 33501 | Artificial sweeteners | HH | × | |
| 33602 | Vinegar | НН | × | |
| 33603 | Spices and dried herbs | HH | × | |
| | Bisto, gravy granules, stuffing mix, baking powder, yeast | | | |
| 33604 | bisto, gravy granules, sturning mix, baking powder, yeast | HH | × | |
| 33604 33605 | Wine and beer making kits | HH | × | |
| 33605 | | | | |
| 33605 33606 | Wine and beer making kits Fruit teas, instant tea, herbal tea, rosehip tea | HH HH | × × | |
| 33605 33606 33607 | Wine and beer making kits Fruit teas, instant tea, herbal tea, rosehip tea Payment for food, type not specified | HH HH HH | × × × | 1 |
| 33605 33606 33607 33901 | Wine and beer making kits Fruit teas, instant tea, herbal tea, rosehip tea Payment for food, type not specified Soya and novel protein foods | HH HH HH | × × × | |
| 33605 33606 33607 33901 34001 | Wine and beer making kits Fruit teas, instant tea, herbal tea, rosehip tea Payment for food, type not specified Soya and novel protein foods Soft drinks, concentrated, not low calorie (reconstituted) | HH HH HH HH | × × × √ × | 1 |
| 33605 33606 33607 33901 34001 34101 | Wine and beer making kits Fruit teas, instant tea, herbal tea, rosehip tea Payment for food, type not specified Soya and novel protein foods Soft drinks, concentrated, not low calorie (reconstituted) Soft drinks, not concentrated, not low calorie (reconstituted) | HH HH HH HH HH | × × × | 1 |
| 33605 33606 33607 33901 34001 | Wine and beer making kits Fruit teas, instant tea, herbal tea, rosehip tea Payment for food, type not specified Soya and novel protein foods Soft drinks, concentrated, not low calorie (reconstituted) | HH HH HH HH | × × × √ × | 1 |
| 33605 33606 33607 33901 34001 34101 | Wine and beer making kits Fruit teas, instant tea, herbal tea, rosehip tea Payment for food, type not specified Soya and novel protein foods Soft drinks, concentrated, not low calorie (reconstituted) Soft drinks, not concentrated, not low calorie (reconstituted) | HH HH HH HH HH | × × × × × | 1 1 1 |
| 33605 33606 33607 33901 34001 34101 34301 | Wine and beer making kits Fruit teas, instant tea, herbal tea, rosehip tea Payment for food, type not specified Soya and novel protein foods Soft drinks, concentrated, not low calorie (reconstituted) Soft drinks, not concentrated, not low calorie (reconstituted) Soft drinks, concentrated, low calorie | HH HH HH HH HH HH | x x x x x x x | 1 1 1 1 |
| 33605 33606 33607 33901 34001 34101 34301 34301 34301 34301 34301 | Wine and beer making kits Fruit teas, instant tea, herbal tea, rosehip tea Payment for food, type not specified Soya and novel protein foods Soft drinks, concentrated, not low calorie (reconstituted) Soft drinks, not concentrated, not low calorie (reconstituted) Soft drinks, concentrated, low calorie Soft drinks, not concentrated, low calorie Soft drinks, not concentrated, low calorie Chocolate bars - solid | HH HH HH HH HH HH HH | x x x x x x x x x x | 1 1 1 1 1 |
| 33605 33606 33901 34001 34101 34301 34301 34301 34301 34301 34301 34301 34301 34301 34301 34401 35001 | Wine and beer making kits Fruit teas, instant tea, herbal tea, rosehip tea Payment for food, type not specified Soya and novel protein foods Soft drinks, concentrated, not low calorie (reconstituted) Soft drinks, not concentrated, not low calorie (reconstituted) Soft drinks, concentrated, low calorie Soft drinks, not concentrated, low calorie Soft drinks, not concentrated, low calorie Chocolate bars - solid Chocolate bars - filled | HH HH HH HH HH HH HH HH HH HH | × × × × × × × × × × × | 1 1 1 1 1 1 |
| 33605 33607 33901 34001 34101 34301 34301 34401 35001 35101 35202 | Wine and beer making kits Fruit teas, instant tea, herbal tea, rosehip tea Payment for food, type not specified Soya and novel protein foods Soft drinks, concentrated, not low calorie (reconstituted) Soft drinks, not concentrated, not low calorie (reconstituted) Soft drinks, concentrated, low calorie Soft drinks, not concentrated, low calorie Soft drinks, not concentrated, low calorie Chocolate bars - solid Chocolate bars - filled Chewing gum | HH HH HH HH HH HH HH HH HH HH HH HH | × × × × × × × × × × × × × × × | 1 1 1 1 1 1 1 1 |
| 33605 33607 33901 34001 34401 34401 35001 35101 35202 35301 | Wine and beer making kits Fruit teas, instant tea, herbal tea, rosehip tea Payment for food, type not specified Soya and novel protein foods Soft drinks, concentrated, not low calorie (reconstituted) Soft drinks, not concentrated, not low calorie (reconstituted) Soft drinks, concentrated, low calorie Soft drinks, not concentrated, low calorie Soft drinks, not concentrated, low calorie Chocolate bars - solid Chocolate bars - filled Chewing gum Mints | HH HH HH HH HH HH HH HH HH HH HH HH HH | x x x x x x x x x x x x x x x x x x x | 1 1 1 1 1 1 1 1 1 1 |
| 33605 33607 33901 34001 34401 35001 35001 35001 35101 35202 35301 35302 | Wine and beer making kits Fruit teas, instant tea, herbal tea, rosehip tea Payment for food, type not specified Soya and novel protein foods Soft drinks, concentrated, not low calorie (reconstituted) Soft drinks, not concentrated, not low calorie (reconstituted) Soft drinks, concentrated, low calorie Soft drinks, not concentrated, low calorie Chocolate bars - solid Chewing gum Mints Boiled sweets | HH HH HH HH HH HH HH HH HH HH HH HH HH | x x x x x x x x x x x x x x x x x x x | 1 1 1 1 1 1 1 1 1 1 1 |
| 33605 33607 33901 34001 34401 34401 35001 35001 35101 35202 35301 35302 35401 | Wine and beer making kits Fruit teas, instant tea, herbal tea, rosehip tea Payment for food, type not specified Soya and novel protein foods Soft drinks, concentrated, not low calorie (reconstituted) Soft drinks, not concentrated, not low calorie (reconstituted) Soft drinks, concentrated, low calorie Soft drinks, not concentrated, low calorie Soft drinks, not concentrated, low calorie Chocolate bars - solid Chocolate bars - filled Chewing gum Mints Boiled sweets Fudges, toffees, caramels | HH | x x x x x x x x x x x x x x x x x x x | 1 1 1 1 1 1 1 1 1 1 1 1 |
| 33605 33607 33901 34001 34401 34301 34401 35001 35101 35202 35301 35302 35401 35501 | Wine and beer making kitsFruit teas, instant tea, herbal tea, rosehip teaPayment for food, type not specifiedSoya and novel protein foodsSoft drinks, concentrated, not low calorie (reconstituted)Soft drinks, not concentrated, not low calorie (reconstituted)Soft drinks, concentrated, low calorieSoft drinks, not concentrated, low calorieChocolate bars - solidChocolate bars - filledChewing gumMintsBoiled sweetsFudges, toffees, caramelsTakeaway confectionery | HH HH | x x x x x x x x x x x x x x x x x x x | 1 1 1 1 1 1 1 1 1 1 1 1 |
| 33605 33607 33901 34001 34401 34401 35001 35001 35101 35202 35301 35302 35401 | Wine and beer making kits Fruit teas, instant tea, herbal tea, rosehip tea Payment for food, type not specified Soya and novel protein foods Soft drinks, concentrated, not low calorie (reconstituted) Soft drinks, not concentrated, not low calorie (reconstituted) Soft drinks, concentrated, low calorie Soft drinks, not concentrated, low calorie Soft drinks, not concentrated, low calorie Chocolate bars - solid Chocolate bars - filled Chewing gum Mints Boiled sweets Fudges, toffees, caramels | HH | x x x x x x x x x x x x x x x x x x x | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 |
| 33605 33607 33901 34001 34401 34301 34401 35001 35101 35202 35301 35302 35401 | Wine and beer making kitsFruit teas, instant tea, herbal tea, rosehip teaPayment for food, type not specifiedSoya and novel protein foodsSoft drinks, concentrated, not low calorie (reconstituted)Soft drinks, not concentrated, not low calorie (reconstituted)Soft drinks, concentrated, low calorieSoft drinks, not concentrated, low calorieChocolate bars - solidChocolate bars - filledChewing gumMintsBoiled sweetsFudges, toffees, caramelsTakeaway confectionery | HH HH | x x x x x x x x x x x x x x x x x x x | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 |
| 33605 33607 33901 34001 34401 34301 34401 35001 35101 35202 35301 35302 35401 35502 35401 35502 35401 35502 35401 35501 35501 35402 | Wine and beer making kits Fruit teas, instant tea, herbal tea, rosehip tea Payment for food, type not specified Soya and novel protein foods Soft drinks, concentrated, not low calorie (reconstituted) Soft drinks, not concentrated, not low calorie (reconstituted) Soft drinks, concentrated, low calorie Soft drinks, not concentrated, low calorie Chocolate bars - solid Chocolate bars - filled Chewing gum Mints Boiled sweets Fudges, toffees, caramels Takeaway confectionery Beers | HH | x x x x x x x x x x x x x x x x x x x | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 |
| 33605 33607 33901 34001 34401 34301 34401 35001 | Wine and beer making kitsFruit teas, instant tea, herbal tea, rosehip teaPayment for food, type not specifiedSoya and novel protein foodsSoft drinks, concentrated, not low calorie (reconstituted)Soft drinks, not concentrated, not low calorie (reconstituted)Soft drinks, concentrated, low calorieSoft drinks, not concentrated, low calorieChocolate bars - solidChocolate bars - filledChewing gumMintsBoiled sweetsFudges, toffees, caramelsTakeaway confectioneryBeersLagers and continental beers | HH HH | x x x x x x x x x x x x x x x x x x x | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 |

| 38501 | Spirits with mixer | HH | × | 1 |
|------------------|--|----------|-----------------------|---|
| 38601 | Fortified wines | HH | × | 1 |
| 38701 | Spirits | HH | × | 1 |
| 38801 | Liqueurs and cocktails | HH | × | 1 |
| 38901 | Alcopops | HH | × | 1 |
| 100101 | Meat or fish based curry with sauce | EO | ✓ | 1 |
| 100102 | Meat or fish based curry without sauce | EO | ✓ | 1 |
| 100103 | Vegetable or fruit based curry | EO | ✓ | 1 |
| 100104 | Dhal and dhal dishes | EO | ✓ | 1 |
| 100105 | Samosas | EO | ✓ | 1 |
| 100106 | Other Indian dishes | EO | ✓ | 1 |
| 100107 | Indian breads | EO | ✓ | 1 |
| 100108 | Indian buffet or shared meal or unspecified Indian meal | EO | ✓ | 1 |
| 100201 | Chinese or Thai meat or fish based dishes excluding curry | EO | ✓ | 1 |
| 100202 | Chop suey and fu yung dishes | EO | ✓ | 1 |
| 100203 | Chinese or Thai vegetable based main course dishes ex. curry | EO | √ | 1 |
| 100204 | Chinese or Thai curry | EO | √ | 1 |
| 100205 | Spring rolls | EO | · ✓ | 1 |
| 100206 | Other Chinese or Thai dishes | EO | · ✓ | 1 |
| 100200 | Chinese or Thai buffet or shared meal or unspecified meal | EO | ✓ ✓ | 1 |
| 100207 | All other ethnic meals | EO | · ✓ | 1 |
| 110101 | Steak - without sauce e.g. braised, sirloin | EO | ▼ ✓ | 1 |
| 110101 | Roast meat with sauce or gravy | EO | ▼ ✓ | 1 |
| 110102 | Pork chops with sauce or gravy | EO | ▼ ✓ | 1 |
| | | - | ▼ ✓ | |
| 110104 110105 | Lamb chops with sauce or gravy | EO | ✓ ✓ | 1 |
| | Spare ribs | EO | | 1 |
| 110106 | Bacon | EO | ✓ | 1 |
| 110107 | Gammon or ham | EO | ✓ | 1 |
| 110108 | All offal including liver, kidney, tongue | EO | ✓ | 1 |
| 110201 | Chicken or turkey with sauce or gravy | EO | ✓ | 1 |
| 110202 | Chicken or turkey in breadcrumbs or batter | EO | ✓ | 1 |
| 110203 | Duck with sauce or gravy | EO | ✓ | 1 |
| 110204 | Game with sauce or gravy | EO | ✓ | 1 |
| 110301 | Small or single burgers | EO | ✓ | 1 |
| 110302 | Large or double burgers | EO | ✓ | 1 |
| 110303 | Chicken burger | EO | ✓ | 1 |
| 110401 | Kebabs - all types including chicken | EO | ✓ | 1 |
| 110402 | Plain sausages e.g. beef, pork | EO | ✓ | 1 |
| 110403 | Other sausages | EO | ✓ | 1 |
| 110404 | Hot dogs and sausage sandwiches | EO | ✓ | 1 |
| 110501 | Meat pies (pastry topped) and pasties | EO | ✓ | 1 |
| 110502 | Meat pies (potato topped e.g. shepherd's pie) | EO | ✓ | 1 |
| 110503 | Sausage roll (pastry) | EO | ✓ | 1 |
| 110601 | Meat and vegetable stews, casseroles or hotpots | EO | ✓ | 1 |
| 110602 | Chicken or turkey stews, casseroles or hotpots | EO | ✓ | 1 |
| 110603 | Lasagne, cannelloni, moussaka & other meat-based oven baked dishes | EO | ✓ | 1 |
| 110701 | All pates | EO | ✓ | 1 |
| 110801 | Other meat products or dishes | EO | ✓ | 1 |
| 120101 | White fish - grilled, steamed, baked or boiled - without sauce | EO | ✓ | 1 |
| 120102 | White fish - fried (incl in batter/breadcrumbs) - without sauce | EO | ✓ | 1 |
| 120201 | Trout, tuna and salmon only - fresh - without sauce or dressing | EO | ✓ | 1 |
| 120202 | Other fatty fish – w/o sauce or dressing e.g. herring, mackerel, sardines | EO | ✓ | 1 |
| 120301 | Shellfish w/o sauce or dressing e.g. prawns, shrimps, oysters, crab | EO | ✓ | 1 |
| 120401 | Kippers and other smoked fish e.g. salmon | EO | ✓ | 1 |
| 120501 | Other fish products and unspecified 'fish' e.g. squid, sushi, crabsticks | EO | ✓ | 1 |
| 120601 | Fish processed in breadcrumbs (fish fingers, fish cakes, scampi) | EO | √ | 1 |
| 120601 | Fish burgers (in bun) | EO | √ | 1 |
| 120602 | Fish based pie or other dish e.g. paella, kedgeree, tuna pasta bake | EO | ✓ ✓ | 1 |
| 130101 | Cottage cheese including with pineapple | EO | ▼ ✓ | 1 |
| 130101 | Soft, continental or proc cheese e.g. brie | EO | ✓ ✓ | 1 |
| 130102 | Cheddar, blue or other hard cheese and unspecified 'cheese' | EO | ✓ ✓ | 1 |
| | | | ▼ ✓ | |
| 130104 130105 | Quiche and cheese pies or pasties Other cheese diches e.g. Welch rarehit, cheese and hiscuits | EO EO | ✓ ✓ | 1 |
| | Other cheese dishes e.g. Welsh rarebit, cheese and biscuits | | | |
| 130201 | Pizza - cheese and tomato, vegetable or unspecified 'pizza' | EO | ✓ ✓ | 1 |
| 130202 | Pizza - meat, fish or poultry | EO | ✓ ✓ | 1 |
| 130301 130302 | Eggs - boiled or poached | EO | ✓ | 1 |
| | Eggs - scrambled, fried, omelettes or unspecified 'egg' | EO | \checkmark | 1 |

| 130303 | Other egg dishes e.g. egg mayonnaise | EO | ✓ ✓ | |
|------------------|--|----|-----------------------|--|
| 140101 | Chips and French fries - from fast food outlet e.g. McDonalds | EO | ✓ | |
| 140102 | Chips - served with meal e.g. from restaurant or chip shop | EO | ✓ | |
| 140103 | Potatoes - boiled or unspecified 'potato' | EO | ✓ | |
| 140104 | Potatoes - mashed | EO | ✓ | |
| 140105 | Potatoes - roast | EO | ✓ | |
| 140106 | Sautéed potatoes, potato croquettes, hash browns etc. | EO | ✓ | |
| 140107 | Baked or jacket potatoes - without filling | EO | ✓ | |
| 140108 | Other potato dishes (e.g. wedges, potato salad) including unspecified | EO | ✓ | |
| 150101 | Lettuce and cress | EO | ✓ | |
| 150102 | Other green vegetables e.g. spinach, cabbage, sprouts | EO | ✓ | |
| 150201 | Peppers - raw or cooked | EO | ✓ | |
| 150202 | Courgettes, marrow, aubergine, pumpkin, plantain, cucumbers | EO | ✓ | |
| 150203 | Peas and sweetcorn | EO | ✓ | |
| 150204 | Baked beans and other beans (not green beans) and pulses | EO | ✓ | |
| 150205 | Tomato - fresh or raw | EO | ✓ | |
| 150206 | Tomato - cooked or processed | EO | ✓ | |
| 150301 | Carrots | EO | ✓ | |
| 150302 | Onions - raw, cooked or unspecified 'onions' | EO | ✓ | |
| 150303 | Onions - fried | EO | ✓ | |
| 150304 | Other root vegetables or tubers e.g. turnip, parsnip, radish, beetroot | EO | ✓ | |
| 150401 | Mushrooms - raw or cooked | EO | ✓ | |
| 150501 | Mixed vegetables or unspecified 'vegetable' | EO | ✓ | |
| 150502 | Other vegetables e.g. artichoke, asparagus | EO | ✓ | |
| 150503 | Veg in batter or breadcrumbs and deep fried vegetables e.g. onion rings | EO | ✓ | |
| 150504 | Onion and other vegetable bhajis and pakora | EO | ✓ | |
| 150601 | Veggie burger, bean burger, veggie sausage, nut roast | EO | ✓ | |
| 150602 | Veg lasagne, cannelloni, moussaka & other oven baked veg dishes | EO | ✓ | |
| 150603 | Stuffed vegetables (e.g. stuffed pepper) and vegetable based starter | EO | · ✓ | |
| 150603 | Vegetable based stews and casseroles and vegetable based pies | EO | · • | |
| 160101 | Mixed salad, main course - without dressing | EO | · • | |
| 160101 | Mixed salad, main course - without dressing Mixed salad, side dish - without dressing - including unspecified 'salad' | EO | ✓ ✓ | |
| 160102 | Green salad - without dressing | EO | ▼ ✓ | |
| 160103 | Vegetable or fruit and nut salad - with dressing | EO | ▼ ✓ | |
| 160201 | Pasta, rice, mixed bean or cereal-based salads - with dressing | EO | | |
| 160202 | Meat salad e.g. beef, lamb salads | EO | ✓ ✓ | |
| 160301 | - | EO | ✓ ✓ | |
| | Chicken or turkey salad | | ✓ ✓ | |
| 160303 | Fish salad e.g. tuna, salmon salads | EO | | |
| 160401 | Cheese salad including ploughmans | EO | ✓ ✓ | |
| 160402 | Egg salad | EO | | |
| 160501 | Other salads e.g. Greek, Florida, Russian | EO | ✓ | |
| 160601 | Salad buffet or buffet meal items not spec | EO | ✓ | |
| 170101 | Fried rice and risotto | EO | ✓ | |
| 170102 | All cooked rice excluding fried rice e.g. boiled, pilau, savoury | EO | ✓ | |
| 170103 | Pasta - not filled and plain noodles (inc. pot noodle) – w/o sauce | EO | ✓ | |
| 170104 | Pasta - filled e.g. ravioli, tortellini - w/o sauce | EO | ✓ | |
| 170105 | Noodles with meat, vegetables etc. | EO | ✓ | |
| 180101 | Meat & fish soups | EO | ✓ | |
| 180102 | Vegetable based soups | EO | ✓ | |
| 180103 | Chinese soups, consommé | EO | ✓ | |
| 180104 | Other soups including unspecified 'soup' | EO | ✓ | |
| 190101 | Muesli and oat crunch cereals | EO | ✓ | |
| 190102 | Other high fibre breakfast cereals e.g. Allbran, Weetabix | EO | ✓ | |
| 190103 | Sweetened breakfast cereals e.g. Frosties, Sugar Puffs | EO | ✓ | |
| 190104 | Hot breakfast cereals e.g. porridge, Ready Brek | EO | ✓ | |
| 190105 | Other break cereals / unspecified e.g. Cornflakes, Rice Krispies, Special K | EO | ✓ | |
| 200101 | All citrus fruit, fresh e.g. orange, grapefruit | EO | ✓ | |
| 200102 | Banana, fresh | EO | ✓ | |
| 200103 | Apples, fresh | EO | ✓ | |
| 200104 | Pears, fresh | EO | ✓ | |
| 200105 | Stone fruit, fresh e.g. apricot, plum, peach, cherry, avocado | EO | ✓ | |
| 200106 | Grapes, fresh | EO | ✓ | |
| 200107 | Soft fruit or berries, fresh e.g. strawberries – w/o cream or ice cream | EO | ✓ | |
| 200108 | Melon, fresh | EO | · ✓ | |
| | Pineapple, fresh | EO | · • | |
| 200109 | | | - | |
| 200109 200110 | Fresh fruit salad | EO | ✓ | |

| 200112 | Free school fruit | EO | ✓ | 1 |
|--------|---|----|-----------------------|---|
| 200201 | Dried fruit e.g. sultanas, raisins | EO | √ | 1 |
| 200301 | Tinned, stewed, baked or processed fruit w/o cream or ice cream | EO | ✓ | 1 |
| 210101 | Yoghurt and fromage frais | EO | ✓ | 1 |
| 220101 | White bread, with or w/o butter or margarine (toasted or untoasted) | EO | ✓ | 1 |
| 220102 | Brown/w'meal bread, with or w/o butter or marg (toasted/untoasted) | EO | ✓ | 1 |
| 220103 | White rolls, baguettes etc. w/o butter/ margarine (or not spec.) | EO | ✓ | 1 |
| 220104 | Brown or w'meal rolls, baguettes w/o butter/marg (or not spec.) | EO | √ | 1 |
| 220101 | Garlic bread | EO | · ✓ | 1 |
| 220105 | Croissant | EO | ▼ ✓ | 1 |
| | | | ▼ ✓ | |
| 220107 | Continental breads e.g. pitta, ciabatta, focaccio | EO | | 1 |
| 220108 | Muffins, crumpets | EO | ✓ | 1 |
| 220109 | Fried bread, including croutons | EO | ✓ | 1 |
| 220110 | Other bread, rolls, toast, unspec 'bread' etc. | EO | ✓ | 1 |
| 230101 | Meat based sandwich on white bread/roll | EO | ✓ | 1 |
| 230102 | Meat based sandwich on brown bread/roll | EO | ✓ | 1 |
| 230103 | Meat based sandwich bread not specified | EO | ✓ | 1 |
| 230104 | Chicken/turkey s'wich on white bread/roll | EO | ✓ | 1 |
| 230105 | Chicken/ turkey s'wich on brown bread/ roll | EO | ✓ | 1 |
| 230106 | Chicken/ turkey s'wich bread not specified | EO | ✓ | 1 |
| 230107 | Bacon & egg based sandwich on white bread/roll inc McMuffin | EO | ✓ | 1 |
| 230108 | Bacon & egg sandwich - brown bread or roll | EO | ✓ | 1 |
| 230109 | Bacon & egg sandwich bread not specified | EO | ✓ | 1 |
| 230110 | Fish based sandwich on white bread or roll | EO | ✓ | 1 |
| 230110 | Fish based sandwich on brown bread or roll | EO | ✓ ✓ | 1 |
| 230111 | Fish based sandwich bread not specified | EO | ▼ ✓ | 1 |
| 230112 | | | ▼ ✓ | |
| | Cheese sandwich on white bread or roll | EO | | 1 |
| 230202 | Cheese sandwich on brown bread or roll | EO | ✓ | 1 |
| 230203 | Cheese based sandwich bread not specified | EO | ✓ | 1 |
| 230204 | Egg based sandwich on white bread or roll inc. Egg McMuffin | EO | ✓ | 1 |
| 230205 | Egg based sandwich on brown bread or roll | EO | ✓ | 1 |
| 230206 | Egg based sandwich bread not specified | EO | ✓ | 1 |
| 230207 | Vegetarian sandwich on white bread or roll | EO | ✓ | 1 |
| 230208 | Vegetarian sandwich on brown bread or roll | EO | ✓ | 1 |
| 230209 | Vegetarian sandwich bread not specified | EO | ✓ | 1 |
| 230210 | Sweet-filled sandwich | EO | ✓ | 1 |
| 230211 | Unspecified sandwiches or rolls | EO | ✓ | 1 |
| 240101 | Cheese or cream based sauce e.g. carbonara, cauliflower cheese | EO | ✓ | 1 |
| 240102 | Meat-based sauce e.g. bolognese, chilli | EO | ✓ | 1 |
| 240103 | Fish or seafood based sauce | EO | √ | 1 |
| 240104 | Tomato based sauce cont veg inc ratatouille | EO | ✓ | 1 |
| 240105 | Other savoury sauce or unspecified 'sauce' | EO | ✓ ✓ | 1 |
| | | | ▼ ✓ | |
| 240106 | Sweet sauce e.g. syrup, treacle, chocolate | EO | ✓ ✓ | 1 |
| 240107 | Fruit or vegetable based condiments | EO | | 1 |
| 240108 | Other condiments or sauces | EO | ✓ | 1 |
| 240201 | Salad dressings and dips | EO | ✓ | 1 |
| 240202 | Mayonnaise | EO | ✓ | 1 |
| 240203 | Coleslaw | EO | ✓ | 1 |
| 240301 | Fruit filling e.g. peaches for pancakes | EO | ✓ | 1 |
| 240302 | Vegetable filling | EO | ✓ | 1 |
| 240303 | Cheese filling inc cheddar / cottage cheese | EO | ✓ | 1 |
| 240304 | Fish based filling e.g. tuna mayonnaise | EO | ✓ | 1 |
| 240401 | Butter and margarine | EO | ✓ | 1 |
| 240402 | Jam, marmalade and honey | EO | ✓ | 1 |
| 240403 | Cream - single, double, sour etc. | EO | ✓ | 1 |
| 240404 | Custard | EO | ✓ | |
| 240405 | Sugar (as an addition to tea, coffee etc.) | EO | √ | |
| 240405 | Commercial baby food in a jar or can | EO | ✓ ✓ | |
| 240501 | Yorkshire puddings and dumplings | EO | ▼ ✓ | - |
| | | | | |
| 240701 | Unspec meal e.g. school meal / meal at work | EO | √ | 1 |
| 250101 | Coffee, black including espresso | EO | × | 1 |
| 250102 | Coffee, white including cappuccino, latte | EO | × | 1 |
| 250103 | Coffee, black or white not specified | EO | × | 1 |
| 250104 | Tea, white | EO | × | 1 |
| 250105 | Tea, black | EO | × | 1 |
| 250106 | Hot chocolate or cocoa, with milk or water | EO | ✓ | 1 |
| | Mineral water | EO | × | 1 |

| 260202 | Soft drink (incl carbonates and still) - low calorie | EO | × | 1 |
|--------------------------------------|---|----------------|-------------|-----|
| 260203 | Soft drink (incl carbonates & still) - not low calorie /calories unspecified | EO | × | 1 |
| 260204 | Pure fruit juices | EO | × | 1 |
| 260205 | Vegetable juices e.g. tomato, carrot juice | EO | × | 1 |
| 260206 | Soft drink - pure juice or juice drink not spec | EO | × | 1 |
| 260301 | Milk as a drink | EO | ✓ | 1 |
| 260302 | Milk on cereal | EO | ✓ | 1 |
| 260303 | Milkshake and flavoured milk | EO | ✓ | 1 |
| 260304 | Free school milk | EO | · ✓ | 1 |
| 270101 | Spirits | EO | × | 1 |
| 270102 | Liqueurs | EO | × | - 1 |
| 270103 | Cocktails | EO | × | - 1 |
| 270104 | Spirits or liqueurs with mixer e.g. gin & tonic, Bacardi & coke | EO | × | - 1 |
| 270201 | Wine (not sparkling) including unspec 'wine' | EO | × | - 1 |
| 270202 | Sparkling wines (e.g. Champagne) and wine with mixer (e.g. Bucks Fizz) | EO | × | - 1 |
| 270203 | Fortified wine e.g. sherry, port, vermouth | EO | × | - 1 |
| 270203 | Cider or perry - half pint or bottle | EO | × | 1 |
| 270204 | Cider or perry - pint / can / size not spec | EO | × | 1 |
| 270205 | Alcoholic soft drinks (alcopops), and ready-mixed bottled drinks | EO | × | 1 |
| 270200 | Bitter - half pint or bottle | EO | × | 1 |
| 270301 | Bitter - pint or can or size not specified | EO | × | 1 |
| 270302 | Lager or other beers - half pint or bottle | EO | × | 1 |
| 270303 | Lager or other beers - pint/can/size not spec | EO | × | 1 |
| 270304 | Round of drinks, alcohol specified | EO | × | 1 |
| 270401 280101 | Solid, unfilled chocolate bars and sweets & unspecified chocolate | EO | × √ | |
| 280101 | Filled chocolate-coated bars and sweets e.g. Mars, Snickers, Minstrels | EO | ✓ ✓ | 1 |
| | | | ✓ ✓ | 1 |
| 280103 | Single chocolate (after dinner) | EO EO | ✓ ✓ | 1 |
| 280104 | Chewing gum and bubble gum | | ✓ ✓ | 1 |
| 280105 | Mints e.g. Polo, Extra Strong | EO | ✓ ✓ | 1 |
| 280106 | Boiled sweets, jellies and unspecified 'sweets' e.g. fruit gums | EO | ✓ ✓ | 1 |
| 280107 | Uncoated toffee or fudge e.g. Toffos, chocolate eclairs, caramels | EO | | 1 |
| 280108 | Pick 'n' mix, nougat, liquorice & other sweets | EO | ✓ | 1 |
| 290101 | Ice cream in a cone, cornet or wafer and ice cream desserts | EO | ✓ | 1 |
| 290103 | Ice cream scoop or tub including ice cream served with dessert | EO | ✓ | 1 |
| 290104 | Iced lollies and sorbets | EO | ✓ | 1 |
| 290201 | Doughnut | EO | ✓ | 1 |
| 290202 | Cream pastries e.g. choc eclairs, profiteroles | EO | ✓ | 1 |
| 290203 | Cream sponge or gateau (not chocolate) | EO | ✓ | 1 |
| 290204 | Rich chocolate cake or chocolate gateau | EO | ✓ | 1 |
| 290205 | Fruit and other pies or pastries | EO | ✓ | 1 |
| 290206 | Fruit cake | EO | ✓ | 1 |
| 290207 | Other sponge cakes or desserts (not cream) | EO | ✓ | 1 |
| 290208 | Custard desserts or sweet soufflé | EO | ✓ | 1 |
| 290209 | Meringue desserts including pavlova | EO | ✓ | 1 |
| 290210 | Cheesecake | EO | ✓ | 1 |
| 290211 | Fool, trifle and mousse desserts | EO | ✓ | 1 |
| 290212 | Jelly | EO | ✓ | 1 |
| 290213 | Milk and rice puddings inc tapioca, semolina | EO | ✓ | 1 |
| 290214 | Other cakes and desserts | EO | ✓ | 1 |
| 290301 | Waffles and pancakes | EO | ✓ | 1 |
| 290401 | Teacakes, scones, currant buns, iced buns | EO | ✓ | 1 |
| 300101 | Fully-coated chocolate biscuits or wafers | EO | ✓ | 1 |
| 300102 | Sweet biscuits including half-coated choc | EO | ✓ | 1 |
| | Cereal bars and cereal based cakes | EO | ✓ | 1 |
| 300103 | | EO | ✓ | 1 |
| 300104 | Savoury biscuits | LO | | |
| | Nuts, nut products and seeds | EO | ✓ | 1 |
| 300104 | Nuts, nut products and seeds Potato crisps or savoury snacks | | | 1 |
| 300104 310101 | Nuts, nut products and seeds | EO | ✓ | |
| 300104 310101 310102 | Nuts, nut products and seeds Potato crisps or savoury snacks | EO EO | √ √ | 1 |
| 300104 310101 310102 310103 | Nuts, nut products and seeds Potato crisps or savoury snacks Cornsnacks, based on maize | EO EO EO | ✓ ✓ ✓ | 1 |

Кеу

Food - no factor required Food - cooked edible weight factor Food - dried weight factor & eggs

| lo nutritional information |
|-----------------------------------|
| Ailk |
| Other energy containing NA drinks |
| Io / low energy drinks |
| Ncohol |

The following figures for estimated waste are from the Waste and Resource Action Programme Survey (WRAP) (2008). The incorporation of these figures in the estimation of food and nutrient intakes from the EFS were discussed in the Annex of the 2007 Family Food report (Department for Environment Food & Rural Affairs (Defra), 2008) and were mapped to the EFS food codes for this purpose by Defra (personal communication).

| Defra Code | Description | Single Adult Waste | Multiple Adult Waste |
|---------------|---|--------------------------|----------------------------|
| 402 | UHT whole milk | 0.1 | 0.1 |
| 403 | Sterilised whole milk | 0.1 | 0.1 |
| 404 | Pasteurised or homogenised whole milk | 0.1 | 0.1 |
| 501 | School Milk | 0.1 | 0.1 |
| 601 | Welfare milk | 0.1 | 0.1 |
| 901 | Condensed or evaporated milk | 0.1 | 0.1 |
| 1102 | Infant or baby milks - ready to drink | 0.1 | 0.1 |
| 1103 | Infant or baby milks - dried | 0.1 | 0.1 |
| 1201 | Instant dried milk | 0.1 | 0.1 |
| 1301 | Yoghurt | 0.1146 | 0.0802 |
| 1302 | Fromage frais | 0.1 | 0.1 |
| 1502 | Fully skimmed milk | 0.1 | 0.1 |
| 1503 | Semi-skimmed milk | 0.1 | 0.1 |
| 1603 | Dairy desserts - not frozen | 0.1 | 0.1 |
| 1605 | Dried milk products | 0.1 | 0.1 |
| 1606 | Milk drinks & other milks (replaced 200405 onwards) | 0.1 | 0.1 |
| 1607 | Milk drinks & other milks | 0.1 | 0.1 |
| 1608 | Non-dairy milk substitutes | 0.1 | 0.1 |
| 1701 | Cream | 0.1222 | 0.096 |
| 2201 | Hard cheese - Cheddar type | 0.0883 | 0.0829 |
| 2202 | Hard cheese - Other UK or foreign equivalent | 0.0883 | 0.0829 |
| 2203 | Hard cheese - Edam or other foreign | 0.0883 | 0.0829 |
| 2205 | Cottage cheese | 0.0883 | 0.0829 |
| 2206 | Soft natural cheese | 0.0883 | 0.0829 |
| 2301 | Processed cheese | 0.0883 | 0.0829 |
| 3102 | Beef joints - on the bone | 0.0815 | 0.0457 |
| 3103 | Beef joints - boned | 0.0815 | 0.0457 |
| 3104 | Beef steak - less expensive | 0.0815 | 0.0457 |
| 3105 | Beef steak - more expensive | 0.0815 | 0.0457 |
| 3106 | Minced beef | 0.0815 | 0.0457 |
| 3107 | All other beef and veal | 0.0815 | 0.0457 |
| 3601 | Mutton | 0.0224 | 0.0262 |
| 3602 | Lamb joints | 0.0224 | 0.0262 |
| 3603 | Lamb chops | 0.0224 | 0.0262 |
| 3604 | All other lamb | 0.0224 | 0.0262 |
| 4101 | Pork joints | 0.2041 | 0.133 |
| 4102 | Pork chops | 0.2041 | 0.133 |
| 4103 | Pork fillets and steaks | 0.2041 | 0.133 |
| 4104 | All other pork | 0.2041 | 0.133 |
| 4603 | Ox liver | 0.0815 | 0.0457 |
| 4604 | Lambs liver | 0.0224 | 0.0262 |
| 4605 | Pigs liver | 0.2041 | 0.133 |
| 4607 | All other liver | 0.0584 | 0.0401 |
| 5101 | All offal other than liver | 0.0584 | 0.0401 |
| 5502 | Bacon and ham joints, uncooked | 0.2041 | 0.133 |
| 5505 | Bacon and ham rashers, uncooked | 0.2041 | 0.133 |
| 5801 | Ham and bacon | 0.2041 | 0.133 |
| 5903 | Cooked chicken and turkey | 0.1855 | 0.0837 |
| 5904 | Takeaw ay chicken | 0.1855 | 0.0837 |
| 6201 | Corned beef - canned or sliced | 0.0815 | 0.0457 |

| 6601 | Other cooked meat | 0.0584 | 0.0401 |
|-------|--|--------|--------|
| 7102 | Other canned meat and canned meat products | 0.0584 | 0.0401 |
| 7401 | Chicken - w hole or part | 0.1855 | 0.0837 |
| 7703 | Turkey - w hole or part | 0.1855 | 0.0837 |
| 7704 | Poultry other than chicken or turkey | 0.1855 | 0.0837 |
| 7801 | Other fresh, chilled or frozen meat | 0.0584 | 0.0401 |
| 7901 | Sausages, uncooked - pork | 0.0584 | 0.0401 |
| 8001 | Sausages, uncooked - beef etc. | 0.0584 | 0.0401 |
| 8302 | Meat pies - ready to eat | 0.2563 | 0.29 |
| 8303 | Sausage rolls - ready to eat | 0.2563 | 0.29 |
| 8401 | Meat pies, pasties and puddings - frozen or not frozen | 0.2563 | 0.29 |
| 8501 | Burgers - frozen or not frozen | 0.0584 | 0.0401 |
| 8901 | Complete meat-based ready meals - frozen or not frozen | 0.2563 | 0.29 |
| 8902 | Other convenience meat products - frozen or not frozen | 0.2563 | 0.29 |
| 9301 | Pate | 0.1324 | 0.0755 |
| 9302 | Delicatessen type sausages | 0.0584 | 0.0401 |
| 9403 | Meat pastes and spreads | 0.1324 | 0.0755 |
| 9501 | Takeaw ay meat pies and pasties | 0.2563 | 0.29 |
| 9502 | Takeaw ay burger and bun | 0.2563 | 0.29 |
| 9503 | Takeaw ay kebabs | 0.2563 | 0.29 |
| 9504 | Takeaw ay sausages and saveloys | 0.2563 | 0.29 |
| 9505 | Takeaw ay meat based meals | 0.2563 | 0.29 |
| 9506 | Takeaw ay miscellaneous meats | 0.2563 | 0.29 |
| 10201 | White fish, fresh or chilled | 0.2903 | 0.23 |
| 10201 | White fish, frozen | 0.096 | 0.0418 |
| 10202 | Herrings and other blue fish, fresh or chilled | 0.096 | 0.0418 |
| 10602 | Herrings and other blue fish, frozen | 0.096 | 0.0418 |
| 10701 | Salmon, fresh or chilled | 0.096 | 0.0418 |
| 10701 | Salmon, frozen | 0.096 | 0.0418 |
| 10702 | Blue fish, dried or salted or smoked | 0.096 | 0.0418 |
| | | | |
| 11401 | White fish, dried or salted or smoked | 0.096 | 0.0418 |
| 11702 | Shellfish, fresh or chilled | 0.2178 | 0.0621 |
| 11703 | Shellfish, frozen | 0.2178 | 0.0621 |
| 11801 | Takeaw ay fish | 0.096 | 0.0418 |
| 11901 | Tinned salmon | 0.096 | 0.0418 |
| 12001 | Other tinned or bottled fish | 0.096 | 0.0418 |
| 12103 | Ready meals and other fish products - frozen or not frozen | 0.2563 | 0.29 |
| 12304 | Takeaw ay fish products | 0.2563 | 0.29 |
| 12305 | Takeaw ay fish based meals | 0.2563 | 0.29 |
| 12901 | Eggs | 0.073 | 0.0463 |
| 13501 | Butter | 0.0386 | 0.0176 |
| 13801 | Soft margarine | 0.0386 | 0.0176 |
| 13802 | Other margarine | 0.0386 | 0.0176 |
| 13901 | Lard, cooking fat | 0.1267 | 0.091 |
| 14304 | Olive Oil | 0.1267 | 0.091 |
| 14305 | Other vegetable and salad oils | 0.1267 | 0.091 |
| 14802 | Reduced fat spreads | 0.0386 | 0.0176 |
| 14803 | Low fat spreads | 0.0386 | 0.0176 |
| 14805 | Suet and dripping | 0.0584 | 0.0401 |
| 14807 | Imitation cream | 0.1 | 0.1 |
| 15001 | Sugar | 0.1267 | 0.091 |
| 15101 | Jams and fruit curds | 0.1267 | 0.091 |
| 15201 | Marmalade | 0.1267 | 0.091 |
| 15301 | Syrup, treacle | 0.1267 | 0.091 |
| 15401 | Honey | 0.1267 | 0.091 |
| 15501 | Potatoes - bought Jan-Aug, previous year's crop | 0.3718 | 0.2416 |
| 15502 | Potatoes - bought Jan-Aug, this year's crop | 0.3718 | 0.2416 |
| 15502 | Potatoes - bought Sep-Dec, current crop or new imported | 0.3718 | 0.2416 |
| 15504 | Fresh potatoes not specified elsew here | 0.3718 | 0.2416 |
| 15505 | Fresh new potatoes | 0.3718 | 0.2410 |
| 10000 | Fresh baking potatoes | 0.3718 | 0.2710 |

| 16201 | Fresh cabbages | 0.7014 | 0.4155 |
|-------|---|--------|--------|
| 16301 | Fresh brussels sprouts | 0.1701 | 0.0794 |
| 16401 | Fresh cauliflow er | 0.1449 | 0.1019 |
| 16701 | Lettuce and leafy salads | 0.5069 | 0.3519 |
| 16702 | Prepared lettuce salads | 0.6023 | 0.4633 |
| 16801 | Fresh peas | 0.0917 | 0.0417 |
| 16901 | Fresh beans | 0.5589 | 0.3071 |
| 17101 | Other fresh green vegetables | 0.2589 | 0.1589 |
| 17201 | Fresh carrots | 0.3835 | 0.1681 |
| 17301 | Fresh turnips and swede | 0.1231 | 0.0669 |
| 17401 | Other fresh root vegetables | 0.225 | 0.1511 |
| 17501 | Fresh onions, leeks and shallots | 0.2143 | 0.1408 |
| 17601 | Fresh cucumbers | 0.3717 | 0.2357 |
| 17701 | Fresh mushrooms | 0.1483 | 0.104 |
| 17801 | Fresh tomatoes | 0.1582 | 0.0926 |
| 18301 | Fresh vegetable stew pack, stir-fry pack etc. | 0.3429 | 0.2301 |
| 18302 | Fresh stem vegetables | 0.6075 | 0.453 |
| 18303 | Fresh marrow, courgettes, aubergine, pumpkin and other vegetables | 0.1691 | 0.1147 |
| 18304 | Fresh herbs | 0.1267 | 0.091 |
| 18401 | Tomatoes, canned or bottled | 0.1582 | 0.0926 |
| 18501 | Peas, canned | 0.0917 | 0.0417 |
| 18802 | Baked beans in sauce | 0.0828 | 0.0309 |
| 18803 | Other canned beans and pulses | 0.2589 | 0.1589 |
| 19101 | Other canned vegetables | 0.2589 | 0.1589 |
| 19201 | Dried pulses, other than air-dried | 0.2589 | 0.1589 |
| 19501 | Air-dried vegetables | 0.3429 | 0.2301 |
| 19602 | Tomato puree and vegetable purees | 0.1267 | 0.091 |
| 19603 | Vegetable juices e.g. tomato juice, carrot juice | 0.1 | 0.1 |
| 19702 | Chips - frozen or not frozen | 0.3718 | 0.2416 |
| 19703 | Takeaw ay chips | 0.3718 | 0.2416 |
| 19801 | Instant potato | 0.3718 | 0.2416 |
| 19901 | Canned potatoes | 0.3718 | 0.2416 |
| 20002 | Crisps and potato snacks | 0.1239 | 0.0809 |
| 20101 | Other potato products - frozen or not frozen | 0.3718 | 0.2416 |
| 20301 | Peas, frozen | 0.0917 | 0.0417 |
| 20401 | Beans, frozen | 0.5589 | 0.3071 |
| 20601 | Ready meals and other vegetable products - frozen or not frozen | 0.2563 | 0.29 |
| 20604 | All vegetable takeaw ay products | 0.2563 | 0.29 |
| 20801 | Other frozen vegetables | 0.2589 | 0.1589 |
| 21001 | Fresh oranges | 0.3382 | 0.2325 |
| 21401 | Other fresh citrus fruits | 0.0536 | 0.041 |
| 21701 | Fresh apples | 0.6627 | 0.2772 |
| 21801 | Fresh pears | 0.1442 | 0.1929 |
| 22101 | Fresh stone fruit | 0.2036 | 0.1797 |
| 22201 | Fresh grapes | 0.0833 | 0.0778 |
| 22701 | Other fresh soft fruit | 0.433 | 0.2521 |
| 22801 | Fresh bananas | 0.1545 | 0.082 |
| 22901 | Fresh melons | 0.2848 | 0.1797 |
| 23101 | Other fresh fruit | 0.1404 | 0.0938 |
| 23301 | Tinned peaches, pears and pineapples | 0.0806 | 0.0899 |
| 23601 | All other tinned or bottled fruit | 0.0806 | 0.0899 |
| 24001 | Dried fruit | 0.0806 | 0.0899 |
| 24101 | Frozen straw berries, apple slices, peach halves, oranges and other frozen fruits | 0.0806 | 0.0899 |
| 24502 | Nuts & edible seeds | 0.0228 | 0.043 |
| 24503 | Peanut butter | 0.0228 | 0.043 |
| 24801 | Pure fruit juices | 0.0220 | 0.0 10 |
| 25102 | White bread, standard, unsliced | 0.3335 | 0.2399 |
| 25202 | White bread, standard, dristiced | 0.3335 | 0.2399 |
| 25202 | White bread, standard, sliced White bread, premium, sliced and unsliced | 0.3335 | 0.2399 |
| 20101 | white bread, premium, sided and unsided | 0.3335 | 0.2399 |

| 25901 | Brown bread, sliced and unsliced | 0.3335 | 0.2399 |
|-------|---|--------|--------|
| 26001 | Wholemeal and granary bread, sliced and unsliced | 0.3335 | 0.2399 |
| 26302 | Rolls - w hite, brow n or w holemeal | 0.3942 | 0.1718 |
| 26303 | Malt bread and fruit loaves | 0.0861 | 0.0241 |
| 26304 | Vienna and French bread | 0.3942 | 0.1718 |
| 26305 | Starch reduced bread and rolls | 0.3335 | 0.2399 |
| 26308 | Other breads | 0.3349 | 0.4585 |
| 26309 | Sandwiches | 0.2563 | 0.29 |
| 26310 | Sandwiches from takeaw ay | 0.2563 | 0.29 |
| 26311 | Takeaw ay breads | 0.3349 | 0.4585 |
| 26401 | Flour | 0.0677 | 0.0641 |
| 26701 | Buns, scones and teacakes | 0.1239 | 0.1163 |
| 27001 | Cakes and pastries, not frozen | 0.2802 | 0.1703 |
| 27002 | Takeaw ay pastries | 0.2802 | 0.1703 |
| 27101 | Crisp bread | 0.0539 | 0.0438 |
| 27402 | Sweet biscuits (not chocolate) and cereal bars | 0.0539 | 0.0438 |
| 27403 | Cream crackers and other unsweetened biscuits | 0.0539 | 0.0438 |
| 27702 | Chocolate biscuits | 0.0539 | 0.0438 |
| 28101 | Oatmeal and oat products | 0.0275 | 0.0224 |
| 28202 | Muesli | 0.0275 | 0.0224 |
| 28203 | High fibre breakfast cereals | 0.0275 | 0.0224 |
| 28204 | Sw eetened breakfast cereals | 0.0275 | 0.0224 |
| 28205 | Other breakfast cereals | 0.0275 | 0.0224 |
| 28502 | Canned or fresh carton custard | 0.0638 | 0.0283 |
| 28503 | All canned milk puddings | 0.0638 | 0.0283 |
| 28601 | Puddings | 0.0638 | 0.0283 |
| 28702 | Dried rice | 0.2335 | 0.1402 |
| 28703 | Cooked rice | 0.2335 | 0.1402 |
| 28704 | Takeaw ay rice | 0.2335 | 0.1402 |
| 29001 | Invalid foods, slimming foods and sports foods | 0.0448 | 0.0656 |
| 29101 | Infant cereal foods | 0.1 | 0.1 |
| 29402 | Cakes and pastries - frozen | 0.2802 | 0.1703 |
| 29501 | Canned pasta | 0.2563 | 0.29 |
| 29502 | Dried and fresh pasta | 0.1848 | 0.1595 |
| 29503 | Takeaw ay pasta and noodles | 0.2563 | 0.29 |
| 29601 | Pizzas - frozen and not frozen | 0.2563 | 0.29 |
| 29602 | Takeaw ay pizza | 0.2563 | 0.29 |
| 29907 | Cake, pudding and dessert mixes | 0.298 | 0.4353 |
| 29909 | Cereal snacks | 0.0275 | 0.0224 |
| 29915 | Quiches and flans - frozen and not frozen | 0.2563 | 0.29 |
| 29916 | Takeaw ay crisps, savoury snacks, popcorn, poppadums, praw n crackers | 0.1239 | 0.0809 |
| 29919 | Other cereal foods - frozen and not frozen | 0.0275 | 0.0224 |
| 30101 | Other cereals | 0 | 0 |
| 30401 | Теа | 0.1 | 0.1 |
| 30701 | Coffee beans and ground coffee | 0.1 | 0.1 |
| 30801 | Instant coffee | 0.1 | 0.1 |
| 30901 | Coffee essences | 0.1 | 0.1 |
| 31001 | Tea and coffee from takeaw ay | 0.1 | 0.1 |
| 31201 | Cocoa and chocolate drinks | 0.0448 | 0.0656 |
| 31301 | Malt drinks and chocolate versions of malted drinks | 0.0448 | 0.0656 |
| 31401 | Mineral or spring waters | 0.1 | 0.1 |
| 31501 | Baby foods | 0.1 | 0.1 |
| 31801 | Soups - canned or cartons | 0.2563 | 0.29 |
| 31901 | Soups - dehydrated or pow dered | 0.0448 | 0.0656 |
| 32001 | Soups - from takeaw ay | 0.2563 | 0.29 |
| 32101 | Other takeaw ay food brought home | 0.2563 | 0.29 |
| 32201 | Meals on wheels - items not specified | 0.2563 | 0.29 |
| 32302 | Salad dressings | 0.1267 | 0.091 |

| 32303 | Other spreads and dressings | 0.1267 | 0.091 |
|--------|---|--------|--------|
| 32702 | Pickles | 0.1267 | 0.091 |
| 32703 | Sauces | 0.1267 | 0.091 |
| 32704 | Takeaw ay sauces and mayonnaise | 0.1267 | 0.091 |
| 32801 | Stock cubes and meat and yeast extracts | 0.298 | 0.4353 |
| 32901 | Jelly squares or crystals | 0.0638 | 0.0283 |
| 33203 | Ice cream tub or block | 0.0638 | 0.0283 |
| 33302 | Ice cream cornets, choc-ices, lollies with ice cream | 0.0638 | 0.0283 |
| 33303 | Ice Iollies, sorbet, frozen mousse, frozen yoghurt Takeaw ay ice cream, ice cream products, milkshakes | 0.0638 | 0.0283 |
| 33304 | | 0.0638 | |
| 33401 | Salt | 0.1267 | 0.091 |
| 33501 | Artificial sweeteners | 0.1267 | 0.091 |
| 33602 | Vinegar | 0.1267 | 0.091 |
| 33603 | Spices and dried herbs | 0.1267 | 0.091 |
| 33604 | Bisto, gravy granules, stuffing mix, baking pow der, yeast | 0.298 | 0.4353 |
| 33605 | Wine and beer making kits | 0.1 | 0.1 |
| 33606 | Fruit teas, instant tea, herbal tea, rosehip tea | 0.1 | 0.1 |
| 33607 | Payment for food, type not specified | 0.1 | 0.1 |
| 33901 | Soya and novel protein foods | 0.2589 | 0.1589 |
| 34001 | Soft drinks, concentrated, not low calorie | 0.1 | 0.1 |
| 34101 | Soft drinks, not concentrated, not low calorie | 0.1 | 0.1 |
| 34301 | Soft drinks, concentrated, low calorie | 0.1 | 0.1 |
| 34401 | Soft drinks, not concentrated, low calorie | 0.1 | 0.1 |
| 35001 | Chocolate bars - solid | 0.0958 | 0.0575 |
| 35101 | Chocolate bars - filled | 0.0958 | 0.0575 |
| 35202 | Chewing gum | 0.1239 | 0.0809 |
| 35301 | Mints | 0.0958 | 0.0575 |
| 35302 | Boiled sweets | 0.0958 | 0.0575 |
| 35401 | Fudges, toffees, caramels | 0.0958 | 0.0575 |
| 35501 | Takeaw ay confectionery | 0.0958 | 0.0575 |
| 38102 | Beers | 0.1 | 0.1 |
| 38202 | Lagers and continental beers | 0.1 | 0.1 |
| 38302 | Ciders and perry | 0.1 | 0.1 |
| 38402 | Champagne, sparkling wines and wine with mixer | 0.1 | 0.1 |
| 38403 | Table wine | 0.1 | 0.1 |
| 38501 | Spirits with mixer | 0.1 | 0.1 |
| 38601 | Fortified wines | 0.1 | 0.1 |
| 38701 | Spirits | 0.1 | 0.1 |
| 38801 | Liqueurs and cocktails | 0.1 | 0.1 |
| 38901 | Alcopops | 0.1 | 0.1 |
| 100101 | Meat or fish based curry with sauce | 0 | 0 |
| 100102 | Meat or fish based curry without sauce | 0 | 0 |
| 100103 | Vegetable or fruit based curry | 0 | 0 |
| 100104 | Dhal and dhal dishes | 0 | 0 |
| 100105 | Samosas | 0 | 0 |
| 100106 | Other Indian dishes | 0 | 0 |
| 100107 | Indian breads | 0 | 0 |
| 100108 | Indian buffet or shared meal or unspecified Indian meal | 0 | 0 |
| 100201 | Chinese or Thai meat or fish based dishes excluding curry | 0 | 0 |
| 100202 | Chop suey and fuyung dishes | 0 | 0 |
| 100203 | Chinese or Thai vegetable based main course dishes excluding curry | 0 | 0 |
| 100204 | Chinese or Thai curry | 0 | 0 |
| 100205 | Spring rolls | 0 | 0 |
| 100206 | Other Chinese or Thai dishes | 0 | 0 |
| 100207 | Chinese or Thai buffetor shared meal or unspecified Chinese or Thai meal | 0 | 0 |
| 100301 | All other ethnic meals | 0 | 0 |
| 110101 | Steak - without sauce e.g. braised, sirloin | 0 | 0 |
| | Roast meat with sauce or gravy | 0 | 0 |

| 110103 | Pork chops with sauce or gravy | 0 | 0 |
|------------------|---|---|---|
| 110104 | Lamb chops with sauce or gravy | 0 | 0 |
| 110105 | Spare ribs | 0 | 0 |
| 110106 | Bacon | 0 | 0 |
| 110107 | Gammon or ham | 0 | 0 |
| 110108 | All offal including liver, kidney, tongue | 0 | 0 |
| 110201 | Chicken or turkey with sauce or gravy | 0 | 0 |
| 110202 | Chicken or turkey in breadcrumbs or batter | 0 | 0 |
| 110203 | Duck with sauce or gravy | 0 | 0 |
| 110204 | Game with sauce or gravy | 0 | 0 |
| 110301 | Small or single burgers | 0 | 0 |
| 110302 | Large or double burgers | 0 | 0 |
| 110303 | Chicken burger | 0 | 0 |
| 110401 | Kebabs - all types including chicken | 0 | 0 |
| 110402 | Plain sausages e.g. beef, pork | 0 | 0 |
| 110403 | Other sausages | 0 | 0 |
| 110404 | Hot dogs and sausage sandwiches | 0 | 0 |
| 110501 | Meat pies (pastry topped) and pasties | 0 | 0 |
| 110502 | Meat pies (potato topped e.g. shepherd's pie) | 0 | 0 |
| | | - | - |
| 110503 110601 | Sausage roll (pastry) Meat and vegetable stews, casseroles or hotpots | 0 | 0 |
| | | 0 | - |
| 110602 | Chicken or turkey stews, casseroles or hotpots | - | 0 |
| 110603 | Meat lasagne, cannelloni, moussaka and other meat-based oven baked dishes | 0 | 0 |
| 110701 | All pates | 0 | 0 |
| 110801 | Other meat products or dishes | 0 | 0 |
| 120101 | White fish - grilled, steamed, baked or boiled - without sauce | 0 | 0 |
| 120102 | White fish - fried (incl. in batter/breadcrumbs) - without sauce | 0 | 0 |
| 120201 | Trout, tuna and salmon only - fresh - without sauce or dressing | 0 | 0 |
| 120202 | Other fatty fish - w ithout sauce or dressing e.g. herring, mackerel, sardines | 0 | 0 |
| 120301 | Shellfish - without sauce or dressing e.g. prawns, shrimps, oysters, crab | 0 | 0 |
| 120401 | Kippers and other smoked fish e.g. smoked salmon | 0 | 0 |
| 120501 | Other fish products and unspecified 'fish' e.g. squid, sushi, crabsticks | 0 | 0 |
| 120601 | Fish, processed, in breadcrumbs (fish fingers, fish cakes, scampi) - w ithout sauce or dressing | 0 | 0 |
| 120602 | Fish burgers (in bun) | 0 | 0 |
| 120603 | Fish based pie or other dish e.g. paella, kedgeree, tuna pasta bake | 0 | 0 |
| 130101 | Cottage cheese including with pineapple | 0 | 0 |
| 130102 | Soft, continental or processed cheese e.g. brie | 0 | 0 |
| 130103 | Cheddar, blue or other hard cheese and unspecified 'cheese' | 0 | 0 |
| 130104 | Quiche and cheese pies or pasties | 0 | 0 |
| 130105 | Other cheese dishes e.g. Welsh rarebit, cheese and biscuits | 0 | 0 |
| 130201 | Pizza - cheese and tomato, vegetable or unspecified 'pizza' | 0 | 0 |
| 130201 | Pizza - meat, fish or poultry | 0 | 0 |
| 130202 | Eggs - boiled or poached | 0 | 0 |
| 130301 | Eggs - bolied of poached Eggs - scrambled, fried, omelettes or unspecified 'egg' | 0 | 0 |
| | | - | - |
| 130303 | Other egg dishes e.g. egg mayonnaise | 0 | 0 |
| 140101 | Chips and French fries - from fast food outlet e.g. McDonalds | 0 | 0 |
| 140102 | Chips - served with meal e.g. from restaurant or chip shop | - | 0 |
| 140103 | Potatoes - boiled or unspecified 'potato' | 0 | 0 |
| 140104 | Potatoes - mashed | 0 | 0 |
| 140105 | Potatoes - roast | 0 | 0 |
| 140106 | Sautéed potatoes, potato croquettes, hash brow ns etc. | 0 | 0 |
| 140107 | Baked or jacket potatoes - w ithout filling | 0 | 0 |
| 140108 | Other potato dishes (e.g. w edges, potato salad) including unspecified 'potato dish' | 0 | 0 |
| 150101 | Lettuce and cress | 0 | 0 |

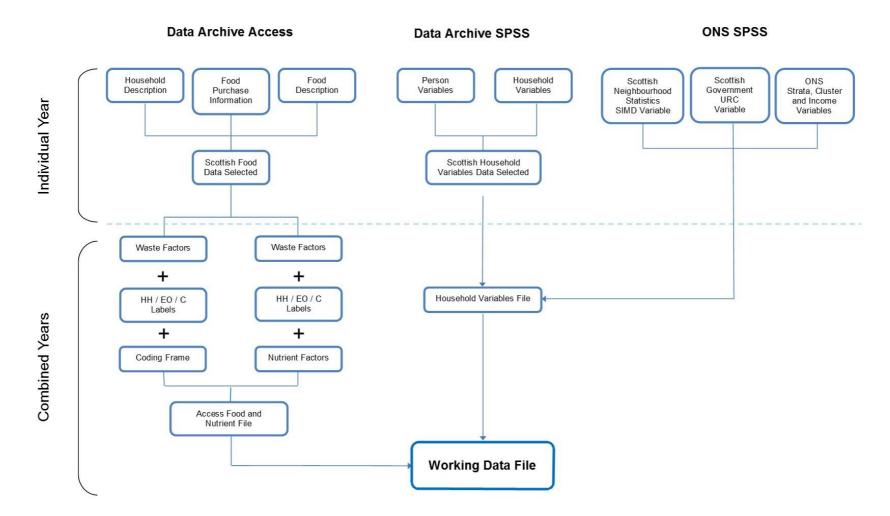
| 150102 | Other green vegetables e.g. spinach, cabbage, sprouts | 0 | 0 |
|----------------------------|---|---|---|
| 150201 | Peppers - raw or cooked | 0 | 0 |
| 150201 | Courgettes, marrow, aubergine, pumpkin, plantain, cucumbers | 0 | 0 |
| | | - | 0 |
| 150203 150204 | Peas and sweetcorn Baked beans and other beans (not green beans) and pulses | 0 | 0 |
| 150204 | Tomato - fresh or raw | 0 | 0 |
| | | - | - |
| 150206 | Tomato - cooked or processed | 0 | 0 |
| 150301 | Carrots | 0 | 0 |
| 150302 | Onions - raw, cooked or unspecified 'onions' | 0 | 0 |
| 150303 | Onions - fried | 0 | 0 |
| 150304 | Other root vegetables or tubers e.g. turnip, parsnip, radish, beetroot | 0 | 0 |
| 150401 | Mushrooms - raw or cooked | 0 | 0 |
| 150501 | Mixed vegetables or unspecified 'vegetable' | 0 | 0 |
| 150502 | Other vegetables e.g. artichoke, asparagus | 0 | 0 |
| 150503 | Vegetables in batter or breadcrumbs and deep fried vegetables e.g. onion rings | 0 | 0 |
| 150504 | Onion and other vegetable bhajis and pakora | 0 | 0 |
| 150601 | Veggie burger, bean burger, veggie sausage, nut roast | 0 | 0 |
| 150602 | Vegetable lasagne, vegetable cannelloni, vegetable moussaka and other oven baked vegetable based dishes | 0 | 0 |
| 150603 | Stuffed vegetables (e.g. stuffed pepper) and vegetable based starter | 0 | 0 |
| 150604 | Vegetable based stews and casseroles and vegetable based pies | 0 | 0 |
| 160101 | Mixed salad, main course - without dressing | 0 | 0 |
| 160102 | Mixed salad, side dish - without dressing - including unspecified 'salad' | 0 | 0 |
| 160102 | Green salad - without dressing | 0 | 0 |
| 160201 | Vegetable or fruit and nut salad - with dressing | 0 | 0 |
| 160201 | Pasta, rice, mixed bean or cereal-based salads - with dressing | 0 | 0 |
| 160301 | Meat salad e.g. beef, lamb salads | 0 | 0 |
| 160302 | - | • | - |
| | Chicken or turkey salad | 0 | 0 |
| 160303 | Fish salad e.g. tuna, salmon salads | 0 | 0 |
| 160401 | Cheese salad including ploughman's | 0 | 0 |
| 160402 | Egg salad | 0 | 0 |
| 160501 | Other salads e.g. Greek, Florida, Russian | 0 | 0 |
| 160601 | Salad buffet or buffet meal where items not specified | 0 | 0 |
| 170101 | Fried rice and risotto | 0 | 0 |
| 170102 | All cooked rice excluding fried rice e.g. boiled, pilau, savoury | 0 | 0 |
| 170103 | Pasta - not filled and plain noodles (including pot noodle) - without sauce | 0 | 0 |
| 170104 | Pasta - filled e.g. ravioli, tortellini - without sauce | 0 | 0 |
| 170105 | Noodles with meat, vegetables etc. | 0 | 0 |
| 180101 | Meat & fish soups | 0 | 0 |
| 180102 | Vegetable based soups | 0 | 0 |
| 180103 | Chinese soups, consommé (meat, fish or veg) | 0 | 0 |
| 180104 | Other soups including unspecified 'soup' | 0 | 0 |
| 190101 | Muesli and oat crunch cereals | 0 | 0 |
| 190102 | Other high fibre breakfast cereals e.g. Allbran, Weetabix | 0 | 0 |
| 190103 | Sweetened breakfast cereals e.g. Frosties, Sugar Puffs | 0 | 0 |
| 190103 | Hot breakfast cereals e.g. porridge, Ready Brek | 0 | 0 |
| 190105 | Other breakfast cereals and unspecified 'cereal' e.g. Cornflakes, Rice Krispies, Special K | 0 | 0 |
| 200101 | All citrus fruit, fresh e.g. orange, grapefruit | 0 | 0 |
| 200102 | Banana, fresh | 0 | 0 |
| 200103 | Apples, fresh | 0 | 0 |
| 200100 | Pears, fresh | 0 | 0 |
| 200104 | Stone fruit, fresh e.g. apricot, plum, peach, cherry, avocado | 0 | 0 |
| | | 0 | 0 |
| | Granes fresh | | |
| 200105 200106 200107 | Grapes, fresh Soft fruit or berries, fresh e.g. straw berries, blackberries - w ithout cream or ice cream | 0 | 0 |

| 200109 | Pineapple, fresh | 0 | 0 |
|--|--|--|--|
| 200110 | Fresh fruit salad - without cream or ice cream | 0 | 0 |
| 200111 | Other fresh fruit (kiw i, passion) and unspecified 'fruit' | 0 | 0 |
| 200112 | Free school fruit | 0 | 0 |
| 200201 | Dried fruit e.g. sultanas, raisins | 0 | 0 |
| 200301 | Tinned, stew ed, baked or processed fruit - without cream or ice cream | 0 | 0 |
| 210101 | Yoghurt and fromage frais | 0 | 0 |
| 220101 | White bread, with or without butter or margarine (toasted or untoasted) | 0 | 0 |
| 220101 | | 0 | 0 |
| 220102 | Brown or wholemeal bread, with or without butter or margarine (toasted or untoasted) | 0 | 0 |
| 220103 | White rolls, baguettes etc. without butter or margarine (or butter or margarine not specified) | 0 | 0 |
| 220104 | Brown or wholemeal rolls, baguettes etc. without butter or margarine (or butter or margarine not specified) | 0 | 0 |
| 220105 | Garlic bread | 0 | 0 |
| 220106 | Croissant | 0 | 0 |
| 220107 | Continental breads e.g. pitta, ciabatta, focaccia | 0 | 0 |
| 220108 | Muffins, crumpets | 0 | 0 |
| 220109 | Fried bread, including croutons | 0 | 0 |
| 220110 | Other bread, rolls, toast, unspecified 'bread' etc. | 0 | 0 |
| 230101 | Meat based sandwich on white bread or roll | 0 | 0 |
| 230101 | Meat based sandwich on brown bread or roll | 0 | 0 |
| 230102 | Meat based sandwich bread not specified | 0 | 0 |
| 230103 | · · · · · | 0 | 0 |
| | Chicken or turkey based sandwich on white bread or roll | - | - |
| 230105 | Chicken or turkey based sandwich on brown bread or roll | 0 | 0 |
| 230106 | Chicken or turkey based sandwich bread not specified | 0 | 0 |
| 230107 | Bacon and egg based sandwich on white bread or roll including Bacon and Egg McMuffin | 0 | 0 |
| 230108 | Bacon and egg based sandwich on brown bread or roll | 0 | 0 |
| 230109 | Bacon and egg based sandwich bread not specified | 0 | 0 |
| 230110 | Fish based sandwich on white bread or roll | 0 | 0 |
| 230111 | Fish based sandwich on brown bread or roll | 0 | 0 |
| 230112 | Fish based sandwich bread not specified | 0 | 0 |
| 230201 | Cheese based sandwich on white bread or roll | 0 | 0 |
| 230202 | Cheese based sandwich on brow n bread or roll | 0 | 0 |
| 230203 | Cheese based sandwich bread not specified | 0 | 0 |
| 230204 | Egg based sandwich on white bread or roll including Egg McMuffin | 0 | 0 |
| 230205 | Egg based sandwich on brown bread or roll | 0 | 0 |
| 230206 | Egg based sandwich bread not specified | 0 | 0 |
| 230200 | Vegetarian based sandwich on white bread or roll | 0 | 0 |
| 230207 | Vegetarian based sandwich on brown bread or roll | 0 | 0 |
| | Vegetarian based sandwich on brown bread of roll Vegetarian based sandwich bread not specified | - | - |
| 230209 | | 0 | 0 |
| 230210 | Sweet-filled sandwich | 0 | 0 |
| 230211 | Unspecified sandwiches or rolls | 0 | 0 |
| 240101 | Cheese or cream based sauce e.g. carbonara, cauliflow er cheese | 0 | 0 |
| 240102 | Meat-based sauce e.g. Bolognese, chilli con carne | 0 | 0 |
| | Fish or seafood based sauce | 0 | 0 |
| 240103 | | • | • |
| 240103 240104 | Tomato based sauce containing vegetables including ratatouille | 0 | 0 |
| | Tomato based sauce containing vegetables including ratatouille Other savoury sauce or unspecified 'sauce' | - | - |
| 240104 | Tomato based sauce containing vegetables including ratatouille | 0 | 0 |
| 240104 240105 | Tomato based sauce containing vegetables including ratatouille Other savoury sauce or unspecified 'sauce' | 0 | 0 |
| 240104 240105 240106 240107 | Tomato based sauce containing vegetables including ratatouille Other savoury sauce or unspecified 'sauce' Sw eet sauce e.g. syrup, treacle, chocolate sauce Fruit or vegetable based condiments | 0 0 0 0 | 0 0 0 |
| 240104 240105 240106 240107 240108 | Tomato based sauce containing vegetables including ratatouille Other savoury sauce or unspecified 'sauce' Sw eet sauce e.g. syrup, treacle, chocolate sauce Fruit or vegetable based condiments Other condiments or sauces | 0 0 0 0 0 | 0 0 0 0 0 0 |
| 240104 240105 240106 240107 240108 240201 | Tomato based sauce containing vegetables including ratatouille Other savoury sauce or unspecified 'sauce' Sw eet sauce e.g. syrup, treacle, chocolate sauce Fruit or vegetable based condiments Other condiments or sauces Salad dressings and dips | 0 0 0 0 0 0 0 | 0 0 0 0 0 0 0 |
| 240104 240105 240106 240107 240108 240201 240202 | Tomato based sauce containing vegetables including ratatouille Other savoury sauce or unspecified 'sauce' Sw eet sauce e.g. syrup, treacle, chocolate sauce Fruit or vegetable based condiments Other condiments or sauces Salad dressings and dips Mayonnaise | 0 0 0 0 0 0 0 0 | 0 0 0 0 0 0 0 0 0 |
| 240104 240105 240106 240107 240108 240201 240202 240203 | Tomato based sauce containing vegetables including ratatouille Other savoury sauce or unspecified 'sauce' Sw eet sauce e.g. syrup, treacle, chocolate sauce Fruit or vegetable based condiments Other condiments or sauces Salad dressings and dips Mayonnaise Coleslaw | 0 0 0 0 0 0 0 0 0 0 | 0 0 0 0 0 0 0 0 0 0 |
| 240104 240105 240106 240107 240108 240201 240202 | Tomato based sauce containing vegetables including ratatouille Other savoury sauce or unspecified 'sauce' Sw eet sauce e.g. syrup, treacle, chocolate sauce Fruit or vegetable based condiments Other condiments or sauces Salad dressings and dips Mayonnaise | 0 0 0 0 0 0 0 0 | 0 0 0 0 0 0 0 0 0 |

| 240304 | Fish based filling e.g. tuna mayonnaise | 0 | 0 |
|--------|--|---|---|
| 240401 | Butter and margarine | 0 | 0 |
| 240402 | Jam, marmalade and honey | 0 | 0 |
| 240403 | Cream - single, double, sour etc. | 0 | 0 |
| 240404 | Custard | 0 | 0 |
| 240405 | Sugar (as an addition to tea, coffee etc.) | 0 | 0 |
| 240501 | Commercial baby food in a jar or can | 0 | 0 |
| 240601 | Yorkshire puddings and dumplings | 0 | 0 |
| 240701 | Unspecified meal e.g. 'meal', 'school meal' or 'meal at work' | 0 | 0 |
| 250101 | Coffee, black including espresso | 0 | 0 |
| 250102 | Coffee, white including cappuccino, latte | 0 | 0 |
| 250103 | Coffee, black or white not specified | 0 | 0 |
| 250104 | Tea, white (including black or white not specified) | 0 | 0 |
| 250105 | Tea, black including Chinese tea, herbal tea, fruit tea | 0 | 0 |
| 250106 | Hot chocolate or cocoa, with milk or water | 0 | 0 |
| 260201 | Mineral water | 0 | 0 |
| 260202 | Soft drink (incl. carbonates and still) - low calorie | 0 | 0 |
| 260203 | Soft drink (incl. carbonates & still) - not low calorie (including drinks where calorie content unspecified) | 0 | 0 |
| 260204 | Pure fruit juices | 0 | 0 |
| 260205 | Vegetable juices e.g. tomato juice, carrot juice | 0 | 0 |
| 260206 | Soft drink where pure juice or juice drink not specified | 0 | 0 |
| 260301 | Milk as a drink | 0 | 0 |
| 260302 | Milk on cereal | 0 | 0 |
| 260303 | Milkshake and flavoured milk | 0 | 0 |
| 260304 | Free school milk | 0 | 0 |
| 270101 | Spirits | 0 | 0 |
| 270102 | Liqueurs | 0 | 0 |
| 270103 | Cocktails | 0 | 0 |
| 270104 | Spirits or liqueurs with mixer e.g. gin & tonic, Bacardi & coke | 0 | 0 |
| 270201 | Wine (not sparkling) including unspecified 'wine' | 0 | 0 |
| 270202 | Sparkling wines (e.g. Champagne) and wine with mixer (e.g. Bucks Fizz) | 0 | 0 |
| 270203 | Fortified wine e.g. sherry, port, vermouth | 0 | 0 |
| 270204 | Cider or perry - half pint or bottle | 0 | 0 |
| 270205 | Cider or perry - pint or can or size not specified | 0 | 0 |
| 270206 | Alcoholic soft drinks (alcopops), and ready-mixed bottled drinks | 0 | 0 |
| 270301 | Bitter - half pint or bottle | 0 | 0 |
| 270302 | Bitter - pint or can or size not specified | 0 | 0 |
| 270303 | Lager or other beers including unspecified 'beer' - half pint or bottle | 0 | 0 |
| 270304 | Lager or other beers including unspecified 'beer' - pint or can or size not specified | 0 | 0 |
| 270401 | Round of drinks, alcohol not otherwise specified | 0 | 0 |
| 280101 | Solid, unfilled chocolate bars and sweets and unspecified 'chocolate' | 0 | 0 |
| 280102 | Filled chocolate-coated bars and sweets e.g. Mars, Snickers, Minstrels | 0 | 0 |
| 280103 | Single chocolate (after dinner) | 0 | 0 |
| 280104 | Chewing gum and bubble gum | 0 | 0 |
| 280105 | Mints e.g. Polo, Extra Strong | 0 | 0 |
| 280106 | Boiled sweets, jellies and unspecified 'sweets' e.g. fruit gums | 0 | 0 |
| 280107 | Uncoated toffee or fudge, uncoated e.g. Toffos, chocolate éclairs, caramels | 0 | 0 |
| 280108 | Pick 'n' mix, nougat, liquorice and other sweets | 0 | 0 |
| 290101 | Ice cream in a cone, cornet or wafer and ice cream desserts | 0 | 0 |
| 290103 | Ice cream scoop or tub including ice cream served with dessert | 0 | 0 |
| 290103 | Iced Iollies and sorbets | 0 | 0 |
| 290201 | Doughnut | 0 | 0 |
| 290202 | Cream pastries e.g. chocolate éclairs, profiteroles | 0 | 0 |
| 290202 | Cream sponge or gateau (not chocolate) e.g. Victoria sandwich | 0 | 0 |
| | Rich chocolate cake or chocolate gateau e.g. Death by Chocolate | 0 | 0 |

| 290205 | Fruit and other pies or pastries | 0 | 0 |
|--------|---|-----|---|
| 290206 | Fruit cake | 0 | 0 |
| 290207 | Other sponge cakes or desserts (not cream cakes) | 0 | 0 |
| | Custard desserts or sweet soufflé | 0 | 0 |
| 290208 | | U U | • |
| 290209 | Meringue desserts including pavlova | 0 | 0 |
| 290210 | Cheesecake | 0 | 0 |
| 290211 | Fool, trifle and mousse desserts | 0 | 0 |
| 290212 | Jelly | 0 | 0 |
| 290213 | Milk and rice puddings including tapioca, semolina | 0 | 0 |
| 290214 | Other cakes and desserts, unspecified 'cake' or 'dessert' | 0 | 0 |
| 290301 | Waffles and pancakes | 0 | 0 |
| 290401 | Teacakes, scones, currant buns, iced buns | 0 | 0 |
| 300101 | Fully-coated chocolate biscuits or wafers | 0 | 0 |
| 300102 | Sweet biscuits including half-coated chocolate biscuits | 0 | 0 |
| 300103 | Cereal bars and cereal based cakes | 0 | 0 |
| 300104 | Savoury biscuits | 0 | 0 |
| 310101 | Nuts, nut products and seeds | 0 | 0 |
| 310102 | Potato crisps or snacks including unspecified 'crisps', praw n crackers | 0 | 0 |
| 310103 | Corn snacks, based on maize | 0 | 0 |
| 310104 | Wheat based savoury snack | 0 | 0 |
| 310201 | Popcorn | 0 | 0 |
| 310301 | Other savoury snacks (including hors d'oeuvres) | 0 | 0 |





HH = Household; EO = Eating Out; C = Combined; SIMD = Scottish Index of Multiple Deprivation; URC = Urban Rural Classification; ONS = Office for National Statistics

| Food Grouping Code | Food Grouping Description | Weight ² | Secondar y Food Grouping Code | Secondary Food Grouping Description | Weight ² |
|--------------------------|--|---------------------|--|--|---------------------|
| 48 | Semi-skimmed Milk | 132 | 62 | Total Milk | 197 |
| 49 | Skimmed Milk | 11.8 | - | | |
| 67 | Whole Milk | 37.8 | - | | |
| 28 | MilkDrinks | 1.4 | | | |
| 69 | Yoghurt and Fromage Frais | 23.8 | | | |
| 11 | Cream | 3.6 | | | |
| 23 | Low Fat Cheese | 0.4 | 60 | Total Cheese | 14.5 |
| 27 | Medium Fat Cheese | 5.3 | - | | |
| 19 | Full Fat Cheese | 8.9 | - | | |
| 3 | BlockMargarine | 0.1 | | | |
| 9 | Cooking Fat | 0.3 | | | |
| 10 | Cooking Oil | 6.3 | | | |
| 6 | Butter | 7.7 | 52 | Total Spreading Fats | 14.5 |
| 50 | Soft Margarine | 1.7 | - | | |
| 43 | Reduced and Low Fat Spread | 5.0 | - | | |
| 15 | Eggs | 0.8 | | | |
| 17 | Fruit | 88.2 | 61 | Total Fruit and Vegetables | 230 |
| 18 | Fruit (and veg) juice | 36.8 | - | | |
| 66 | Vegetables | 105 | - | | |
| 51 | Soup | 14.7 | | | |
| 37 | Potatoes | 40.1 | | | |
| 40 | Processed Potatoes | 29.0 | | | |
| 65 | Unprocessed Red Meat | 23.1 | | | |
| 2 | Bacon and Ham | 13.8 | 63 | Total Processed Red Meat | 59.9 |
| 5 | Burgers and Kebabs | 6.0 | - | | |
| 26 | Meat Filled Pastry | 8.7 | - | | |
| 45 | Sausages | 13.7 | - | | |
| 33 | Other processed meat | 17.7 | - | | |
| 38 | Poultry | 28.4 | | | |
| 41 | Processed Poultry | 1.0 | | | |
| 64 | Unprocessed Fish | 9.6 | | | |
| 39 | Processed Fish | 3.7 | | | |
| 30 | Non Meat Savoury Pastry | 1.3 | | | |
| 34 | Pasta, Rice and Noodles | 23.8 | | | |
| 36 | Pizza | 11.1 | | | |
| 16 | Flour | 5.1 | | | |
| 24 | Low fibre and lower NMES Breakfast Cereal | 4.4 | 59 | Total Breakfast Cereal | 20.4 |
| 25 | Low fibre or high NMES Breakfast Cereal | 4.4 | 1 | | |
| 68 | Wholegrain/high fibre Breakfast Cereal | 11.6 | 1 | | |
| 4 | Bread and Rolls | 56.7 | 1 | | |
| 32 | Other Baked Goods | 12.4 | + | | |
| 7 | Cakes, Pastries and Puddings | 16.5 | | | |

Appendix 7: Food Groupings Used for Contributing Foods Analysis¹

| 29 | MilkPuddings | 3.2 | | | |
|-------|--|------|----|---------------------|------|
| 20 | Ice Cream and Dairy Desserts | 32.9 | | | |
| 22 | Jelly, Ice Lollies and Sorbets | 0.9 | | | |
| 21 | Jam, marmalade, honey and sweet spreads | 5.6 | | | - |
| 53 | Sugar | 9.1 | | | |
| 8 | Chocolate Confectionery | 13.5 | 70 | Total Confectionery | 21.2 |
| 54 | Sugar Confectionery | 7.7 | | | |
| 57 | Sweet Biscuits | 21.6 | | | |
| 46 | Savoury Biscuits | 2.4 | | | |
| 47 | Savoury Sauces and Dressings | 22.2 | | | |
| 42 | Ready Meals | 20.7 | | | _ |
| 58 | Takeaway Main Meal Component | 4.6 | | | _ |
| 13 | Eating Out Main Meal Component | 6.7 | | | _ |
| 14 | Eating Out Side Dish | 0.5 | | | _ |
| 44 | Sandwiches | 11.4 | | | _ |
| 12 | Crisps and Savoury Snacks | 13.4 | | | _ |
| 31 | Nuts | 3.3 | | | _ |
| 35 | Peanut Butter | 0.7 | | | _ |
| 55 | Sugar Containing Soft Drinks | 156 | | | |
| 56 | Sugar Free Soft Drinks | 133 | | | |
| 1 | Alcoholic Drinks | 123 | | | |
| -8 | Unclassified Foods | 27.6 | | | |
| -9 | Foods of Little Nutritional Value | 68.6 | | | |
| Total | | 1538 | | | _ |

Appendix 7: Food Groupings Used for Contributing Foods Analysis

¹Appendix 8 provides detail on the breakdown of each of these food groupings by food code; ²Average weight in grams, per food group, per person, per day -2013-2015 data combined.

| Food Code | Description | Food Grouping Code | Food Grouping Description | Factor |
|--------------|---|--------------------------|-----------------------------------|--------|
| 30401 | Теа | -9 | Foods of Little Nutritional Value | 1 |
| 30701 | Coffee beans and ground coffee | -9 | Foods of Little Nutritional Value | 1 |
| 30801 | Instant coffee | -9 | Foods of Little Nutritional Value | 1 |
| 30901 | Coffee essences | -9 | Foods of Little Nutritional Value | 1 |
| 31001 | Tea and coffeefrom takeaway | -9 | Foods of Little Nutritional Value | 1 |
| 31401 | Mineral or spring waters | -9 | Foods of Little Nutritional Value | 1 |
| 33401 | Salt | -9 | Foods of Little Nutritional Value | 1 |
| 250101 | Coffee, black including espresso | -9 | Foods of Little Nutritional Value | 1 |
| 250102 | Coffee, white including cappuccino, latte | -9 | Foods of Little Nutritional Value | 1 |
| 250103 | Coffee, black or white not specified | -9 | Foods of Little Nutritional Value | 1 |
| 250104 | lea, white (including black or white not specfied) | -9 | Foods of Little Nutritional Value | 1 |
| 250105 | Tea, black including Chinese tea, herbal tea, fruit tea | -9 | Foods of Little Nutritional Value | 1 |
| 260201 | Mineral water | -9 | Foods of Little Nutritional Value | 1 |
| 14807 | Imitation cream | -8 | Unclassified Foods | 1 |
| 29001 | Invalid foods, slimming foods and sports foods | -8 | Unclassified Foods | 1 |
| 29101 | Infant cereal foods | -8 | Unclassified Foods | 1 |
| 29919 | Other cereal foods - frozen and not frozen | -8 | Unclassified Foods | 1 |
| 30101 | Other cereals | -8 | Unclassified Foods | 1 |
| 31501 | Baby toods | -8 | Unclassfied Foods | 1 |
| 32201 | Meals on wheels - items not specified | -8 | Unclassified Foods | 1 |
| 32801 | Stock cubes and meat and yeast extracts | -8 | Unclassified Foods | 1 |
| 33901 | Soy a and nov el protein foods | -8 | Unclassified Foods | 1 |
| 35202 | Chewing gum | -8 | Unclassified Foods | 1 |
| 240501 | Commercial baby food in a jar or can | -8 | Unclassified Foods | 1 |
| 240601 | Yorkshire puddings and dumplings | -8 | Unclassified Foods | 1 |
| 240701 | Unspecified meal e.g. 'meal', 'school meal' or 'meal at work' | -8 | Unclassified Foods | 1 |
| 280104 | Chewing gum and bubble gum | -8 | Unclassified Foods | 1 |
| 310201 | Popcorn | -8 | Unclassified Foods | 1 |
| 310301 | Other sav oury snacks (including hors d'oeuvres) | -8 | Unclassified Foods | 1 |
| 38102 | Beers | 1 | Alcoholic Drinks | 1 |
| 38202 | Lagers and continental beers | 1 | Alcoholic Drinks | 1 |
| 38302 | Ciders and perry | 1 | Alcoholic Drinks | 1 |
| 38402 | Champagne, sparkling wines and wine with mixer | 1 | Alcoholic Drinks | 1 |
| 38403 | Table wine | 1 | Alcoholic Drinks | 1 |
| 38501 | Spirits with mixer | 1 | Alcoholic Drinks | 0.15 |
| 38601 | Fortified wines | 1 | Alcoholic Drinks | 1 |
| 38701 | Spirits | 1 | Alcoholic Drinks | 1 |
| 38801 | Liqueurs and cocktails | 1 | Alcoholic Drinks | 1 |
| 38901 | Alcopops | 1 | Alcoholic Drinks | 0.15 |
| 270101 | Spirits | 1 | Alcoholic Drinks | 1 |
| 270102 | Liqueurs | 1 | Alcoholic Drinks | 1 |
| 270103 | Cocktails | 1 | Alcoholic Drinks | 1 |
| 270104 | Spirits or liqueurs with mixer e.g. gin & tonic, Bacardi & coke | 1 | Alcoholic Drinks | 0.15 |

| 270201 | Wine (not sparkling) including unspecified 'wine' | 1 | Alcoholic Drinks | 1 |
|--------|---|---|------------------------------|------|
| 270202 | Sparkling wines (e.g. Champagne) and wine with mixer (e.g. Bucks Fizz) | 1 | Alcoholic Drinks | 1 |
| 270203 | Fortified wine e.g. sherry, port, vermouth | 1 | Alcoholic Drinks | 1 |
| 270204 | Cider or perry - half pint or bottle | 1 | Alcoholic Drinks | 1 |
| 270205 | Cider or perry - pint or can or size not specified | 1 | Alcoholic Drinks | 1 |
| 270206 | Alcoholic soft drinks (alcopops), and ready-mixed bottled drinks | 1 | Alcoholic Drinks | 0.15 |
| 270301 | Bitter - half pint or bottle | 1 | Alcoholic Drinks | 1 |
| 270302 | Bitter - pint or can or size not specified | 1 | Alcoholic Drinks | 1 |
| 270303 | Lager or other beers including unspecified 'beer' - half pint or bottle | 1 | Alcoholic Drinks | 1 |
| 270304 | Lager or other beers including unspecified 'beer' - pint can or size not | 1 | Alcoholic Drinks | 1 |
| | specified | | | |
| 270401 | Round of drinks, alcohol not otherwise specified | 1 | Alcoholic Drinks | 1 |
| 5502 | Bacon and ham joints, uncooked | 2 | Bacon and Ham | 1 |
| 5505 | Bacon and ham rashers, uncooked | 2 | Bacon and Ham | 1 |
| 5801 | Ham and bacon | 2 | Bacon and Ham | 1 |
| 110106 | Bacon | 2 | Bacon and Ham | 1 |
| 110107 | Gammon or ham | 2 | Bacon and Ham | 1 |
| 13802 | Other margarine | 3 | Block Margarine | 1 |
| 25102 | White bread, standard, unsliced | 4 | Bread and Rolls | 1 |
| 25202 | White bread, standard, sliced | 4 | Bread and Rolls | 1 |
| 25701 | White bread, premium, sliced and unsliced | 4 | Bread and Rolls | 1 |
| 25801 | White bread, soft grain, sliced and unsliced | 4 | Bread and Rolls | 1 |
| 25901 | Brown bread, sliced and unsliced | 4 | Bread and Rolls | 1 |
| 26001 | Wholemeal and granary bread, sliced and unsliced | 4 | Bread and Rolls | 1 |
| 26302 | Rolls - white, brown or wholemeal | 4 | Bread and Rolls | 1 |
| 26304 | Vienna and French bread | 4 | Bread and Rolls | 1 |
| 26305 | Starch reduced bread and rolls | 4 | Bread and Rolls | 1 |
| 220101 | White bread, with or without butter or margarine (toasted or untoasted) | 4 | Bread and Rolls | 1 |
| 220102 | Brown or wholemeal bread, with or without butter or margarine (toasted or untoasted) | 4 | Bread and Rolls | 1 |
| 220103 | White rolls, baguettes etc. without butter or margarine (or butter or margarine not specified) | 4 | Bread and Rolls | 1 |
| 220104 | Brown or wholemeal rolls, baguettes etc. without butter or margarine (or butter or margarine not specified) | 4 | Bread and Rolls | 1 |
| 220108 | Muttins, crumpets | 4 | Bread and Rolls | 1 |
| 220110 | Other bread, rolls, toast, unspecified 'bread' etc. | 4 | Bread and Rolls | 1 |
| 8501 | Burgers - frozen or not frozen | 5 | Burgers and Kebabs | 1 |
| 9502 | Takeaway burger and bun | 5 | Burgers and Kebabs | 1 |
| 9503 | Takeaway kebabs | 5 | Burgers and Kebabs | 1 |
| 110301 | Small or single burgers | 5 | Burgers and Kebabs | 1 |
| 110302 | Large or double burgers | 5 | Burgers and Kebabs | 1 |
| 110401 | Kebabs - all types including chicken | 5 | Burgers and Kebabs | 1 |
| 13501 | Butter | 6 | Butter | 1 |
| 27001 | Cakes and pastries, not frozen | 7 | | 1 |
| | | 7 | Cakes, Pastries and Puddings | |
| 27002 | Takeaway pastries | | Cakes, Pastries and Puddings | 1 |
| 28601 | Puddings | 7 | Cakes, Pastries and Puddings | 1 |
| 29402 | Cakes and pastries - frozen | 7 | Cakes, Pastries and Puddings | 1 |
| 29907 | Cake, pudding and dessert mixes | 7 | Cakes, Pastries and Puddings | 1 |
| 290201 | Doughnut | 7 | Cakes, Pastries and Puddings | 1 |
| 290202 | Cream pastries e.g. chocolate éclairs, profiteroles | 7 | Cakes, Pastries and Puddings | 1 |

| • • | | - | - | |
|--------|---|----|--------------------------------|---|
| 290203 | Cream sponge or gateau (not chocolate) e.g. Victoria sandwich | 7 | Cakes, Pastries and Puddings | 1 |
| 290204 | Rich chocolate cake or chocolate gateau e.g. Death by Chocolate | 7 | Cakes, Pastries and Puddings | 1 |
| 290205 | Fruit and other pies or pastries | 7 | Cakes, Pastries and Puddings | 1 |
| 290206 | Fruit cake | 7 | Cakes, Pastries and Puddings | 1 |
| 290207 | Other sponge cakes or desserts (not cream cakes) | 7 | Cakes, Pastries and Puddings | 1 |
| 290209 | Meringue desserts including pavlova | 7 | Cakes, Pastries and Puddings | 1 |
| 290210 | Cheesecake | 7 | Cakes, Pastries and Puddings | 1 |
| 290214 | Other cakes and desserts, unspecified 'cake' or 'dessert' | 7 | Cakes, Pastries and Puddings | 1 |
| 35001 | Chocolate bars - solid | 8 | Chocolate Confectionery | 1 |
| 35101 | Chocolate bars - filled | 8 | Chocolate Confectionery | 1 |
| 280101 | Solid, unfilled chocolate bars and sweets and unspecified 'chocolate' | 8 | Chocolate Confectionery | 1 |
| 280102 | Filled chocolate-coated bars and sweets e.g. Mars, Snickers, Minstrels | 8 | Chocolate Confectionery | 1 |
| 280103 | Single chocolate (after dinner) | 8 | Chocolate Confectionery | 1 |
| 13901 | Lard, cooking fat | 9 | Cooking Fat | 1 |
| 14805 | Suet and dripping | 9 | Cooking Fat | 1 |
| 14304 | Olive Oil | 10 | Cooking Oil | 1 |
| 14305 | Other vegetable and salad oils | 10 | Cooking Oil | 1 |
| 1701 | Cream | 11 | Cream | 1 |
| 240403 | Cream - single, double, sour etc. | 11 | Cream | 1 |
| 20002 | Crisps and potato snacks | 12 | Crisps and Savoury Snacks | 1 |
| 29909 | Cereal snacks | 12 | Crisps and Savoury Snacks | 1 |
| 29916 | lakeaway crisps, savoury snacks, popcorn, poppadums, prawn crackers | 12 | Crisps and Savoury Snacks | 1 |
| 310102 | Potato crisps or snacks including unspecified 'crisps', prawn crackers | 12 | Crisps and Savoury Snacks | 1 |
| 310103 | Cornsnacks, based on maize | 12 | Crisps and Savoury Snacks | 1 |
| 310104 | Wheat based savoury snack | 12 | Crisps and Savoury Snacks | 1 |
| 100101 | Meat or fish based curry with sauce | 13 | Eating Out Main Meal Component | 1 |
| 100102 | Meat of fish based curry without sauce | 13 | Eating Out Main Meal Component | 1 |
| | | | | |
| 100103 | Vegetable or fruit based curry | 13 | Eating Out Main Meal Component | 1 |
| | Dhal and dhal dishes | 13 | Eating Out Main Meal Component | 1 |
| 100108 | Indian but fet or shared meal or unspectied Indian meal | 13 | Eating Out Main Meal Component | 1 |
| 100201 | Chinese or Thai meat or fish based dishes excluding curry | 13 | Eating Out Main Meal Component | 1 |
| 100202 | Chop suey and fu yung dishes | 13 | Eating Out Main Meal Component | 1 |
| 100203 | Chinese or Thai vegetable based main course dishes excluding curry | 13 | Eating Out Main Meal Component | 1 |
| 100204 | Chinese or Thai curry | 13 | Eating Out Main Meal Component | 1 |
| 100207 | Chinese or Thai buffet or shared meal or unspecified Chinese or Thai meal | 13 | Eating Out Main Meal Component | 1 |
| 100301 | All other ethnic meals | 13 | Eating Out Main Meal Component | 1 |
| 110502 | Meat pies (potato topped e.g. shepherd's pie) | 13 | Eating Out Main Meal Component | 1 |
| 110601 | Meat and vegetable stews, casseroles or hotpots | 13 | Eating Out Main Meal Component | 1 |
| 110602 | Chicken or turkey stews, casseroles or hotpots | 13 | Eating Out Main Meal Component | 1 |
| 110603 | Meat lasagne, cannelloni, moussaka and other meat-based oven baked dishes | 13 | Eating Out Main Meal Component | 1 |
| 120603 | Fish based pie or other dish e.g. paella, kedgeree, tuna pasta bake | 13 | Eating Out Main Meal Component | 1 |
| 150601 | Veggie burger, bean burger, veggie sausæge, nut roast | 13 | Eating Out Main Meal Component | 1 |
| 150602 | Vegetable lasagne, vegetable cannelbni, vegetable moussaka and other ov en baked vegetable based dishes | 13 | Eating Out Main Meal Component | 1 |
| 150604 | Vegetable based stews and casseroles and vegetable based pies | 13 | Eating Out Main Meal Component | 1 |
| 160301 | Meat salad e.g. beef, lamb salads | 13 | Eating Out Main Meal Component | 1 |
| 160302 | Chicken or turkey salad | 13 | Eating Out Main Meal Component | 1 |
| 160303 | Fish salad e.g. tuna, salmon salads | 13 | Eating Out Main Meal Component | 1 |

| 160401 | Cheese salad including ploughmans | 13 | Eating Out Main Meal Component | 1 |
|--------|--|----|--------------------------------|---|
| 160402 | Egg salad | 13 | Eating Out Main Meal Component | 1 |
| 160601 | Salad buf fet or buffet meal where items not specified | 13 | Eating Out Main Meal Component | 1 |
| 170105 | Noodles with meat, vegetables etc. | 13 | Eating Out Main Meal Component | 1 |
| 100105 | Samosas | 14 | Eating Out Side Dish | 1 |
| 100106 | Other Indian dishes | 14 | Eating Out Side Dish | 1 |
| 100205 | Spring rolls | 14 | Eating Out Side Dish | 1 |
| 100206 | Other Chinese or Thai dishes | 14 | Eating Out Side Dish | 1 |
| 130303 | Other egg dishes e.g. egg mayonnaise | 14 | Eating Out Side Dish | 1 |
| 150503 | Vegetables in batter or breadcrumbs and deepfried vegetables e.g. onion | 14 | Eating Out Side Dish | 1 |
| 150504 | rings Onion and other v egetable bhajis and pakora | 14 | Eating Out Side Dish | 1 |
| 150603 | Stuffed vegetables (e.g. stuffed pepper) and vegetable based starter | 14 | Eating Out Side Dish | 1 |
| 160201 | Vegetable or fruit and nut salad - with dressing | 14 | Eating Out Side Dish | 1 |
| 160501 | Other salads e.g. Greek, Florida, Russian | 14 | Eating Out Side Dish | 1 |
| 12901 | Eggs | 15 | Eggs | 1 |
| 130301 | Eggs - boiled or poached | 15 | Eggs | 1 |
| | | | | |
| 130302 | Eggs - scrambled, fried, omelettes or unspecified 'egg | 15 | Eggs | 1 |
| 26401 | Flour | 16 | Flour | 1 |
| 21001 | Fresh oranges | 17 | Fruit | 1 |
| 21401 | Other fresh citrus fruits | 17 | Fruit | 1 |
| 21701 | Fresh apples | 17 | Fruit | 1 |
| 21801 | Fresh pears | 17 | Fruit | 1 |
| 22101 | Fresh stone fruit | 17 | Fruit | 1 |
| 22201 | Fresh grapes | 17 | Fruit | 1 |
| 22701 | Other fresh soft fruit | 17 | Fruit | 1 |
| 22801 | Fresh bananas | 17 | F ruit | 1 |
| 22901 | Fresh melons | 17 | Fruit | 1 |
| 23101 | Other fresh fruit | 17 | Fruit | 1 |
| 23301 | Inned peaches, pears and pineapples | 17 | Fruit | 1 |
| 23601 | All other tinned or bottled fruit | 17 | Fruit | 1 |
| 24001 | Dried f ruit | 17 | Fruit | 1 |
| 24101 | Frozen strawberries, apple slices, peach halves, oranges and other frozen | 17 | Fruit | 1 |
| 200101 | fruits All citrus fruit, freshe.g. orange, grapetruit | 17 | Fruit | 1 |
| 200102 | Banana, fresh | 17 | Fruit | 1 |
| 200102 | Apples, fresh | 17 | | 1 |
| | | | Fruit | |
| 200104 | Pears, fresh | 17 | Fruit | 1 |
| 200105 | Stone fruit, fresh e.g. apricot, plum, peach, cherry, avocado | 17 | Fruit | 1 |
| 200106 | Grapes, fresh | 17 | Fruit | 1 |
| 200107 | Soft fruit or berries, fresh e.g. strawberries, blackberries - without cream or ice cream | 17 | F ruit | 1 |
| 200108 | Melon, tresh | 17 | Fruit | 1 |
| 200109 | Pineapple, fresh | 17 | Fruit | 1 |
| 200110 | Fresh fruit salad - without cream or ice cream | 17 | Fruit | 1 |
| 200111 | Other fresh fruit (kiwi, passion) and unspecified 'fruit' | 17 | Fruit | 1 |
| 200112 | Free school fruit | 17 | Fruit | 1 |
| 200201 | Dried f ruit e.g. sultanas, raisins | 17 | Fruit | 1 |
| | | | | |
| 200301 | Inned, stewed, baked or processed fruit - without cream or ice cream | 17 | Fruit | 1 |

| 19603 | Vegetable juices e.g. tomato juice, carrot juice | 18 | Fruit (and v eg) juice | 1 |
|--------|---|----|--|---|
| 24801 | Pure fruit juices | 18 | Fruit (and v eg) juice | 1 |
| 260204 | Pure f ruit juices | 18 | Fruit (and v eg) juice | 1 |
| 260205 | Vegetable juices e.g. tomato juice, carrot juice | 18 | Fruit (and v eg) juice | 1 |
| 2201 | Hard cheese - Cheddar type | 19 | Full Fat Cheese | 1 |
| 2202 | Hard cheese - Other UK or toreign equivalent | 19 | Full Fat Cheese | 1 |
| 130103 | Cheddar, blue or other hard cheese and unspecified 'cheese' | 19 | Full Fat Cheese | 1 |
| 1603 | Dairy desserts - not frozen | 20 | Ice Cream and Dairy Desserts | 1 |
| 33203 | Ice cream tub or block | 20 | Ice Cream and Dairy Desserts | 1 |
| 33302 | Ice cream cornets, choc-ices, lollies with ice cream | 20 | Ice Cream and Dairy Desserts | 1 |
| 33303 | Ice lollies, sorbet, frozen mousse, frozen yoghurt | 20 | Ice Cream and Dairy Desserts | 1 |
| 33304 | Takeaway ice cream, ice cream products, milkshakes | 20 | Ice Cream and Dairy Desserts | 1 |
| 290101 | Ice cream in a cone, cornet or wafer and ice cream desserts | 20 | Ice Cream and Dairy Desserts | 1 |
| 290103 | Ice cream scoop or tub including ice cream served with dessert | 20 | Ice Cream and Dairy Desserts | 1 |
| 290211 | Fool, trif le and mousse desserts | 20 | Ice Cream and Dairy Desserts | 1 |
| 15101 | Jams and fruit curds | 21 | Jam, marmalade, honey and sweet | 1 |
| 15201 | Marmalade | 21 | spreads Jam, marmalade, honey and sweet | 1 |
| 15301 | | 21 | spreads | 1 |
| | Syrup, treade | | Jam, marmalade, honey and sweet spreads | |
| 15401 | Honey | 21 | Jam, marmalade, honey and sweet spreads | 1 |
| 32303 | Other spreads and dressings | 21 | Jam, marmalade, honey and sweet spreads | 1 |
| 240106 | Sweet sauce e.g. syrup, treacle, chocolate sauce | 21 | Jam, marmalade, honey and sweet | 1 |
| 240107 | Fruit or vegetable based condiments | 21 | spreads Jam, marmalade, honey and sweet | 1 |
| 240402 | Jam, marmalade and honey | 21 | spreads Jam, marmalade, honey and sweet | 1 |
| 32901 | Jelly squares or crystals | 22 | spreads Jelly, Ice Lollies and Sorbets | 1 |
| 290104 | Iced Iollies and sorbets | 22 | Jelly, Ice Lollies and Sorbets | 1 |
| 290212 | Jelly | 22 | Jelly, Ice Lollies and Sorbets | 1 |
| 230212 | Cottage cheese | 22 | Low Fat Cheese | 1 |
| | | | | |
| 130101 | Cottage cheese including with pineapple Other breakfæt cereals | 23 | Low Fat Cheese | 1 |
| 28205 | | 24 | Low fibre and lower NMES Breakfast Cereal | 1 |
| 28204 | Sweetened breakfast cereals | 25 | Low fibre or high NMES Breakfast Cereal | 1 |
| 190103 | Sweetened breakfast cereals e.g. Frosties, Sugar Puffs | 25 | Low fibre or high NMES Breakfast Cereal | 1 |
| 190105 | Other breakt ast cereals and unspecified 'cereal' e.g. Cornflakes, Rice Krispies, Special K | 25 | Low tibre or high NMES Breaktast Cereal | 1 |
| 8302 | Meat pies - ready to eat | 26 | Meat Filled Pastry | 1 |
| 8303 | Sausage rolls - ready to eat | 26 | Meat Filled Pastry | 1 |
| 8401 | Meat pies, pasties and puddings - frozen or not frozen | 26 | Meat Filled Pastry | 1 |
| 9501 | lakeaway meat pies and pasties | 26 | Meat Filled Pastry | 1 |
| 110501 | Meat pies (pastry topped) and pasties | 26 | Meat Filled Pastry | 1 |
| 110503 | Sausage roll (pastry) | 26 | Meat Filled Pastry | 1 |
| 2203 | Hard cheese - Edam or other foreign | 27 | Medium Fat Cheese | 1 |
| 2206 | Soft natural cheese | 27 | Medium Fat Cheese | 1 |
| 2301 | Processed cheese | 27 | Medium Fat Cheese | 1 |
| 130102 | Soft, continental or processed cheesee.g. brie | 27 | Medium Fat Cheese | 1 |
| 31201 | Cocoa and chocolate drinks | 28 | Milk Drinks | 1 |
| 31301 | Malt drinks and chocolate versions of matted drinks | 28 | Milk Drinks | 1 |
| 250106 | Hot chocolate or cocoa, with milk or water | 28 | Milk Drinks | 1 |
| 28502 | Canned or fresh carton custard | 29 | Milk Puddings | 1 |

| 24503 All canned milk publings 1 240404 Custand 29 Mik Publings 1 240404 Custand docustris or swort southo 20 Mik Publings 1 240105 Custand docustris or swort southo 20 Mik Publings 1 24011 Custand docustris or swort southo 30 Non Meat Sarouy Pastry 1 24915 Quache and chouse pros or paches 30 Non Meat Sarouy Pastry 1 24502 Nata A coldic acuts 31 Nata 1 24503 Melt Eaded Socias 1 1 24504 Other Baked Gocias 1 1 25011 Takinsony brands 32 Other Baked Gocias 1 25010 Indian brads 32 Other Baked Gocias 1 220100 Indian brads 32 Other Baked Gocias 1 220101 Indian brads 32 Other Baked Gocias 1 220105 Contasant 12 Other Baked Gocias 1 2201 | | | | | |
|---|--------|---|----|-------------------------|---|
| 20208 Custard desirets or sweet southe 29 Mik Puddings 1 202013 Mik and no puddings including tapicas, servalina 29 Mik Puddings 1 23915 Quiches and these traces in an one frezen 30 Non Mest Sav oury Pastay 1 24502 Nuts & ecities eacls 31 Nuts 1 24503 Mak Incode and rule layers 31 Nuts 1 24503 Mak Incode and rule layers 32 Other Baked Goods 1 25311 Takeoway breads 32 Other Baked Goods 1 27011 Free Saverg breads 32 Other Baked Goods 1 270107 Indian breads 32 Other Baked Goods 1 270107 General and pancies 32 Other Baked Goods 1 270107 General and pancies 32 Other Baked Goods 1 270107 Continential breads and pancies 33 Other Baked Goods 1 270107 Continential breads and pancies 33 Other Baked Goods 1 </td <td>28503</td> <td>All canned milk puddings</td> <td>29</td> <td>Milk Puddings</td> <td>1</td> | 28503 | All canned milk puddings | 29 | Milk Puddings | 1 |
| 28213Mik and rice puddings including taptical, semolina282Mik Padaroga128415Quiches and functoran300Non Meal Say oury Pastry11311111Quiches and functoran301North Meal Say oury Pastry11311112Nat & dolbe seeds331Nats128503Malt head said function baseds331Nats128504Malt head and function baseds322Other Baked Goods128511Inkersawy breads322Other Baked Goods128701Buns, scones and basedkee322Other Baked Goods1287010Guite breads322Other Baked Goods1287011Guite breads322Other Baked Goods1287012Guite breads12Other Baked Goods1287013Guite breads12Other Baked Goods1287014Guite breads12Other Baked Goods1287017Contential breads e.g. pitts, citatata, fockcoa322Other Baked Goods1287017Contential breads e.g. pitts, citatata, fockcoa332Other packed Goods1287018Fraeakos, scores, curranto uns foot Data333Other packed Goods1287019Fraeakos, scores, curranto uns foot Data333Other packed Goods1287010Contro Cole and and function or foot Data333Other processed meat1287014Tacakos, scores, curranto uns foot Data11 <td>240404</td> <td>Custard</td> <td>29</td> <td>Milk Puddings</td> <td>1</td> | 240404 | Custard | 29 | Milk Puddings | 1 |
| 2015Quiches and Hans, Frozen and not frezen30Non Meal Savoury Pasty11301141Quiches and rease past or pastse301Non Meal Savoury Pasty124002Nuts & edible seeds311Nuts124033Math Freed and fruit loaves322Other Baked Goods125338Other Tasked Scoods32Other Baked Goods125339Math Freed and fruit loaves322Other Baked Goods125331Itaskewy Dreads322Other Baked Goods125331Itaskewy Dreads322Other Baked Goods125310Indian braads322Other Baked Goods125311Itaskewy Dreads322Other Baked Goods125311Itaskewy Dreads322Other Baked Goods125310Indian braads322Other Baked Goods125311Itaskewy Dreads322Other Baked Goods125311Itaskewy Dreads322Other Baked Goods125311Itaskewy Dreads332Other Jonesed end125311Itaskewy Dreads333Other Jonesed end125311Itaskewy Dreads333Other Jonesed end125311Itaskew Jonesed end333Other Jonesed end125311Itaskewy Dreads333Other Jonesed end125311Itaskewy Dreads333Other Jonesed end125311Itaskewy Dreads333Other Jones | 290208 | Custard desserts or sweet soufflé | 29 | Milk Puddings | 1 |
| 13004Querie and checks pres or paskes90Non Mod Sav ony Pairy124502Nuts & odible souls1Nuts1310101Nuts, nut products and seeks31Nuts130101Nuts and seeks32Other Baked Goods125313Mutteread and rut lows322Other Baked Goods125314Takeaway brauds322Other Baked Goods125311Takeaway brauds322Other Baked Goods125311Takeaway brauds322Other Baked Goods1250101Gorins cheads322Other Baked Goods1250102Gorins brauds524Other Baked Goods1250103Greins and pancekes322Other Baked Goods1250104Fried bread, neurins in calculatio, focacid322Other Baked Goods1250105Fried bread, neurins in calculatio322Other Baked Goods1250104Fried bread, neurins in calculatio332Other processed meal1250105Corind beel - canned or slocd333Other processed meal1250104Other cooked meal333Other processed meal1250105PaireCorind beel - canned meal productis333Other processed meal1250104Other cooked meal334Other processed meal1250105PairePaire333Other processed meal1250104PairePaire334Other | 290213 | Milk and rice puddings including tapioca, semolina | 29 | Milk Puddings | 1 |
| 24022 Nuts & adable seeds 31 Nuts 1 310101 Nuts, nut products and seeds 31 Nuts 1 25030 Mait troat and ruit lawas 32 Other Baked Goods 1 25031 Taksaway braads 322 Other Baked Goods 1 25011 Taksaway braads 322 Other Baked Goods 1 25010 Burs, scores and leackes 322 Other Baked Goods 1 220105 Galico breads 322 Other Baked Goods 1 220105 Galico bread galico bread 12 20106 Croissant 322 Other Baked Goods 1 20107 Continentil breads e.g.pifta cidantis, focacioa 322 Other Baked Goods 1 20109 Find bread, including crouters 322 Other Baked Goods 1 20104 Canned meet and calined taffe dotos 332 Other processed meat 1 20104 Canned meet and calined freedots 333 Other processed meat 1 20104 <td>29915</td> <td>Quiches and f lans - frozen and not frozen</td> <td>30</td> <td>Non Meat Savoury Pastry</td> <td>1</td> | 29915 | Quiches and f lans - frozen and not frozen | 30 | Non Meat Savoury Pastry | 1 |
| 310101Nuts, nut products and seeds31NutsNuts128333Mait bread and truit baves322Other Baked Goods128343Takeway breads322Other Baked Goods128343Takeway breads322Other Baked Goods128704Buns, scones and Bacakes322Other Baked Goods120705Iradic breads322Other Baked Goods120706Croits and322Other Baked Goods120707Continental breads e.g. pitta cirbatts, focanoa322Other Baked Goods120708Find breads, including croutens322Other Baked Goods120709Find bread, including croutens322Other Baked Goods120709Find bread, including croutens322Other Baked Goods120709Find bread, ancluding croutens322Other Baked Goods120709Find bread pancikas322Other Baked Goods120709Find bread pancikas332Other processed meat120709Conter contex and carried bread333Other processed meat120709Other convertence mat products7333Other processed meat120709Conter contex and produits16333Other processed meat120709Conter contex and spreads333Other processed meat120709Takeway miscellaneous meats333Other processed meat1< | 130104 | Quiche and cheese pies or pasties | 30 | Non Meat Savoury Pastry | 1 |
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| 29503Takeaway pasta and noodles34Pasta, Rice and Noodles1160202Pasta, rice, mixed bean or cereal-based salads - with dressing34Pasta, Rice and Noodles1170101Fried rice and risotto34Pasta, Rice and Noodles1170102All cooked rice excluding fried rice e.g. boiled, pilau, savoury34Pasta, Rice and Noodles1170103Pasta - not trilled and plain noodles (including pot noodle) - without sauce34Pasta, Rice and Noodles1170104Pasta - filled e.g. ravioli, tortellini - without sauce34Pasta, Rice and Noodles1170105Peanut butter35Peanut Butter124503Peanut butter36Pizza129601Pizza - frozen and not frozen36Pizza1130201Pizza - cheese and tomato, vegetable or unspecified 'pizza'36Pizza1130202Pizza - meat, fish or poultry36Pizza115501Potatoes - bought Jan-Aug, previous year's crop37Potatoes115503Potatoes - bought Sep-Dec, current crop or new imported37Potatoes1 | | | 34 | Pasta, Rice and Noodles | 1 |
| 160202Pasta, rice, mixed bean or cereal-based salads - with dressing34Pasta, Rice and Noodles1170101Fried rice and risotto34Pasta, Rice and Noodles1170102All cooked rice excluding fried rice e.g. boiled, pilau, savoury34Pasta, Rice and Noodles1170103Pasta - not filled and plan noodles (induding pot noodle) - without sauce34Pasta, Rice and Noodles1170104Pasta - filled e.g. ravioli, tortellini - without sauce34Pasta, Rice and Noodles124503Peanut butter35Peanut Butter129601Pizzas - frozen and not frozen36Pizza1130201Pizza - cheese and tomato, vegetableor unspecified 'pizza'36Pizza1130202Pizza - meat, fish or poulity36Pizza115501Potatoes - bought Jan-Aug, previous year's crop37Potatoes115503Potatoes - bought Sep-Dec, current crop or new imported37Potatoes1 | 29502 | Dried and f resh pasta | 34 | Pasta, Rice and Noodles | 1 |
| 170101Fried rice and risotto34Pasta, Rice and Noodles1170102All cooked rice excluding fried rice e.g. boiled, pilau, savoury34Pasta, Rice and Noodles1170103Pasta - not filled and plain noodles (including pot noodle) - without sauce34Pasta, Rice and Noodles1170104Pasta - filled e.g. ravioli, tortellini - without sauce34Pasta, Rice and Noodles1170105Peanut butter35Peanut Butter124503Peanut butter36Pizza129601Pizza - frozen and not frozen36Pizza129602Takeaway pizza36Pizza1130201Pizza - cheese and tomato, vegetable or unspecified 'pizza'36Pizza1130202Pizza - meat, fish or poultry36Pizza115501Potatoes - bought Jan-Aug, previous year's crop37Potatoes115503Potatoes - bought Sep-Dec, current crop or new imported37Potatoes1 | 29503 | Takeaway pasta and noodles | 34 | Pasta, Rice and Noodles | 1 |
| 170102All cooked rice excluding fried rice e.g. boiled, pilau, savoury34Pasta, Rice and Noodles1170103Pasta - not f illed and plain noodles (including pot noodle) - without sauce34Pasta, Rice and Noodles1170104Pasta - filled e.g. ravioli, tortellini - without sauce34Pasta, Rice and Noodles124503Peanut butter35Peanut Butter129601Pizza - frozen and not frozen36Pizza1130201Pizza - cheese and tomato, vegetable or unspecified 'pizza'36Pizza1130202Pizza - meat, fish or poultry36Pizza115501Potatoes - bought Jan-Aug, previous year's crop37Potatoes115503Potatoes - bought Sep-Dec, current crop or new imported37Potatoes1 | 160202 | Pasta, rice, mixed bean or cereal-based salads - with dressing | 34 | Pasta, Rice and Noodles | 1 |
| 170103Pasta - not filled and plain noodles (including pot noodle) - without sauce34Pasta, Rice and Noodles1170104Pasta - filled e.g. ravioli, tortellini - without sauce34Pasta, Rice and Noodles124503Peanut butter35Peanut Butter129601Pizzas - frozen and not frozen36Pizza129602Takeaway pizza36Pizza1130201Pizza - cheese and tomato, vegetable or unspecified 'pizza'36Pizza1130202Pizza - meat, fish or poultry36Pizza115501Potatoes - bought Jan-Aug, previous year's crop37Potatoes115503Potatoes - bought Sep-Dec, current crop or new imported37Potatoes1 | 170101 | Fried rice and risotto | 34 | Pasta, Rice and Noodles | 1 |
| 170104Pasta - filled e.g. ravioli, tortellini - without sauce34Pasta, Rice and Noodles124503Peanut butter35Peanut Butter129601Pizzas - frozen and not frozen36Pizza129602Takeaway pizza36Pizza1130201Pizza - cheese and tomato, vegetable or unspecified 'pizza'36Pizza1130202Pizza - meat, fish or poultry36Pizza115501Potatoes - bought Jan-Aug, previous year's crop37Potatoes115503Potatoes - bought Sep-Dec, current crop or new imported37Potatoes1 | 170102 | All cooked rice excluding fried rice e.g. boiled, pilau, savoury | 34 | Pasta, Rice and Noodles | 1 |
| 24503Peanut butter35Peanut Butter129601Pizzas - frozen and not frozen36Pizza129602Takeaway pizza36Pizza1130201Pizza - cheese and tomato, vegetable or unspecified 'pizza'36Pizza1130202Pizza - meat, fish or poultry36Pizza115501Potatoes - bought Jan-Aug, previous year's crop37Potatoes115502Potatoes - bought Sep-Dec, current crop or new imported37Potatoes1 | 170103 | Pasta - not filled and plain noodles (including pot noodle) - without sauce | 34 | Pasta, Rice and Noodles | 1 |
| 29601Pizzas - frozen and not frozen36Pizza129602Takeaway pizza36Pizza1130201Pizza - cheese and tomato, vegetable or unspecified 'pizza'36Pizza1130202Pizza - meat, fish or poultry36Pizza113501Potatoes - bought Jan-Aug, previous year's crop37Potatoes115502Potatoes - bought Sep-Dec, current crop or new imported37Potatoes115503Potatoes - bought Sep-Dec, current crop or new imported37Potatoes1 | 170104 | Pasta - filled e.g. ravioli, tortellini - without sauce | 34 | Pasta, Rice and Noodles | 1 |
| 29602Takeaway pizza36PizzaPizza1130201Pizza - cheese and tomato, vegetable or unspecified 'pizza'36Pizza1130202Pizza - meat, fish or poultry36Pizza115501Potatoes - bought Jan-Aug, previous year's crop37Potatoes115502Potatoes - bought Jan-Aug, this year's crop37Potatoes115503Potatoes - bought Sep-Dec, current crop or new imported37Potatoes1 | 24503 | Peanut butter | 35 | Peanut Butter | 1 |
| 130201Pizza - cheese and tomato, vegetable or unspecified 'pizza'36PizzaPizza1130202Pizza - meat, fish or poultry36Pizza115501Potatoes - bought Jan-Aug, previous year's crop37Potatoes115502Potatoes - bought Jan-Aug, this year's crop37Potatoes115503Potatoes - bought Sep-Dec, current crop or new imported37Potatoes1 | 29601 | Pizzas - frozen and not frozen | 36 | Pizza | 1 |
| 130202Pizza - meat, fish or poultry36Pizza115501Potatoes - bought Jan-Aug, previous year's crop37Potatoes115502Potatoes - bought Jan-Aug, this year's crop37Potatoes115503Potatoes - bought Sep-Dec, current crop or new imported37Potatoes1 | 29602 | Takeaway pizza | 36 | Pizza | 1 |
| 15501Potatoes - bought Jan-Aug, previous year's crop37Potatoes115502Potatoes - bought Jan-Aug, this year's crop37Potatoes115503Potatoes - bought Sep-Dec, current crop or new imported37Potatoes1 | 130201 | Pizza - cheese and tomato, vegetable or unspecified 'pizza' | 36 | Pizza | 1 |
| 15502Potatoes - bought Jan-Aug, this year's crop37Potatoes115503Potatoes - bought Sep-Dec, current crop or new imported37Potatoes1 | 130202 | Pizza - meat, fish or poultry | 36 | Pizza | 1 |
| 15503 Potatoes - bought Sep-Dec, current crop or new imported 37 Potatoes 1 | 15501 | Potatoes - bought Jan-Aug, previous year's crop | 37 | Potatoes | 1 |
| | 15502 | Potatoes - bought Jan-Aug, this year's crop | 37 | Potatoes | 1 |
| 45504 Freeb petetece pet anexisted alegathere | 15503 | Potatoes - bought Sep-Dec, current crop or new imported | 37 | Potatoes | 1 |
| 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 15504 | Fresh potatoes not specified elsewhere | 37 | Potatoes | 1 |

15505 Fresh new potatoes 37 Potatoes 15506 37 Fresh baking potatoes Potatoes 1 19901 Canned potatoes 37 Potatoes 1 140103 Potatoes - boiled or unspecified 'potato' 37 Potatoes 1 140104 Potatoes - mashed 37 Potatoes 1 140105 Potatoes - roast 37 Potatoes 1 140106 Sautéed potatoes, potato croquettes, hash browns etc. 37 1 Potatoes 140107 Baked or jacket potatoes - without filling 37 Potatoes 1 140108 Other potato dishes (e.g. wedges, potato salad) including unspecified 'potato 37 Potatoes 1 dish' 5903 Cooked chicken and turkey 38 Poultry 1 38 7401 Chicken - whole or part Poultry 1 7703 38 Turkey - whole or part Poultry 1 7704 Poultry other than chicken or turkey Poultry 38 1 110201 38 1 Chicken or turkey with sauce or gravy Poultry 110202 Chicken or turkey in breadcrumbs or batter 38 Poultry 1 110203 Duck with sauce or gravy 38 Poultry 1 11801 Takeaway fish 39 1 Processed Fish 12001 Other tinned or bottled fish 39 Processed Fish 1 12304 Takeaway fish products 39 Processed Fish 1 120601 Fish, processed, in breadcrumbs (fish fingers, fish cakes, scampi) - without 39 Processed Fish 1 sauce or dressing 120602 39 Processed Fish Fish burgers (in bun) 1 240304 Fish based filling e.g. tuna mayonnaise 39 Processed Fish 1 19702 Chips - trozen or not trozen 40 Processed Potatoes 1 19703 40 Takeaway chips Processed Potatoes 1 19801 Instant potato Processed Potatoes 40 1 20101 Other potato products - frozen or not frozen 40 **Processed Potatoes** 1 140101 Chips and French fries - from fast food outlet e.g. McDonalds 40 Processed Potatoes 1 Chips - served with meal e.g. from restaurant or chip shop 140102 40 Processed Potatoes 1 5904 Takeaway chicken 41 Processed Poultry 1 110303 Chicken burger 41 Processed Poultry 1 Complete meat-based ready meals - trozen or not trozen 8901 42 Ready Meals 1 12103 Ready meals and other fish products - frozen or not frozen 42 Ready Meals 1 20601 Ready meals and other vegetable products - trozen or not trozen 42 Ready Meals 1 14802 Reduced f at spreads 43 Reduced and Low Fat Spread 1 14803 43 Reduced and Low Fat Spread 1 Low f at spreads 26309 Sandwiches 44 Sandwiches 1 26310 44 Sandwiches 1 Sandwiches from takeaway 230101 Meat based sandwich on white bread or roll 44 Sandwiches 1 230102 Meat based sandwich on brown bread or roll 44 Sandwiches 1 230103 Meat based sandwich bread not specified 44 Sandwiches 1 230104 Chicken or turkey based sandwich on white bread or roll 44 Sandwiches 1 230105 Chicken or turkey based sandwich on brown bread or roll 44 Sandwiches 1 230106 Chicken or turkey based sandwich bread not specified 44 Sandwiches 1 230107 Bacon and egg based sandwich on white bread or roll including Bacon and 44 Sandwiches Egg McMuffin 230108 Bacon and egg based sandwich on brown bread or roll 44 Sandwiches 1

| •• | | | • | |
|--------|--|----|------------------------------|---|
| 230109 | Bacon and egg based sandwich bread not specified | 44 | Sandwiches | 1 |
| 230110 | Fish based sandwich on white bread or roll | 44 | Sandwiches | 1 |
| 230111 | Fish based sandwich on brown bread or roll | 44 | Sandwiches | 1 |
| 230112 | Fish based sandwich bread not specified | 44 | Sandwiches | 1 |
| 230201 | Cheese based sandwich on white bread or roll | 44 | Sandwiches | 1 |
| 230202 | Cheese based sandwich on brown bread or roll | 44 | Sandwiches | 1 |
| 230203 | Cheese based sandwich bread not specified | 44 | Sandwiches | 1 |
| 230204 | Egg based sandwich on white bread or roll including Egg McMuffin | 44 | Sandwiches | 1 |
| 230205 | Egg based sandwich on brown bread or roll | 44 | Sandwiches | 1 |
| 230206 | Egg based sandwich bread not specified | 44 | Sandwiches | 1 |
| 230207 | Vegetarian based sandwich on white bread or roll | 44 | Sandwiches | 1 |
| 230208 | Vegetarian based sandwich on brown bread or roll | 44 | Sandwiches | 1 |
| 230209 | Vegetarian based sandwich bread not specified | 44 | Sandwiches | 1 |
| 230210 | Sweet-filled sandwich | 44 | Sandwiches | 1 |
| 230211 | Unspecified sandwiches or rolls | 44 | Sandwiches | 1 |
| 7901 | Sausages, uncooked - pork | 45 | Sausages | 1 |
| 8001 | Sausages, uncooked - beef etc. | 45 | Sausages | 1 |
| 9302 | Delicatessen type sausages | 45 | Sausages | 1 |
| 9504 | Takeaway sausages and saveloys | 45 | Sausages | 1 |
| 110402 | Plain sausages e.g. beef, pork | 45 | Sausages | 1 |
| 110403 | Other sausages | 45 | Sausages | 1 |
| 110404 | Hot dogs and sausage sandwiches | 45 | Sausages | 1 |
| 27101 | Crispbread | 46 | Savoury Biscuits | 1 |
| 27403 | Cream crackers and other unsweetened biscuts | 46 | Savoury Biscuits | 1 |
| 300104 | Sav oury biscuits | 46 | Savoury Biscuits | 1 |
| 32302 | Salad dressings | 47 | Savoury Sauces and Dressings | 1 |
| 32702 | Pickles | 47 | Savoury Sauces and Dressings | 1 |
| 32703 | Sauces | 47 | Savoury Sauces and Dressings | 1 |
| 32704 | Takeaway sauces and mayonnaise | 47 | Savoury Sauces and Dressings | 1 |
| 240101 | Cheese or cream based sauce e.g. carbonara, cauliflower cheese | 47 | Savoury Sauces and Dressings | 1 |
| 240102 | Meat-based sauce e.g. bolognese, chilli con carne | 47 | Savoury Sauces and Dressings | 1 |
| 240102 | Fish or seaf od based sauce | 47 | Savoury Sauces and Dressings | 1 |
| 240100 | Tomato based sauce containing vegetables including ratatouille | 47 | Savoury Sauces and Dressings | 1 |
| 240104 | Other sav oury sauce or unspecified 'sauce' | 47 | Savoury Sauces and Dressings | 1 |
| 240103 | Other condiments or sauces | 47 | Savoury Sauces and Dressings | 1 |
| 240108 | | 47 | Savoury Sauces and Dressings | |
| 240201 | Salad dressings and dips | | Savoury Sauces and Dressings | 1 |
| | May onnaise | 47 | | 1 |
| 240203 | Coleslaw | 47 | Savoury Sauces and Dressings | 1 |
| 1503 | Semi-skimmed milk | 48 | Semi-skimmed Milk | 1 |
| 1502 | Fully skimmed milk | 49 | Skimmed Milk | 1 |
| 13801 | Soft margarine | 50 | Soft Margarine | 1 |
| 31801 | Soups - canned or cartons | 51 | Soup | 1 |
| 31901 | Soups - dehy drated or powdered | 51 | Soup | 1 |
| 32001 | Soups - from takeaway | 51 | Soup | 1 |
| 180101 | Meat & fish soups | 51 | Soup | 1 |
| 180102 | Vegetable based soups | 51 | Soup | 1 |
| 180103 | Chinese soups, consommé (meat, fish or veg) | 51 | Soup | 1 |
| 180104 | Other soups including unspecified 'soup' | 51 | Soup | 1 |

| 13501 | Butter | 52 | Total Spreading Fats | 1 |
|--------|---|----|------------------------------|------|
| 13801 | Sof t margarine | 52 | Total Spreading Fats | 1 |
| 14802 | Reduced f at spreads | 52 | Total Spreading Fats | 1 |
| 14803 | Low f at spreads | 52 | Total Spreading Fats | 1 |
| 240401 | Butter and margarine | 52 | Spreading Fats | 1 |
| 15001 | Sugar | 53 | Sugar | 1 |
| 240405 | Sugar (as an addition to tea, coffee etc.) | 53 | Sugar | 1 |
| 35301 | Mints | 54 | Sugar Confectionery | 1 |
| 35302 | Boiled sweets | 54 | Sugar Confectionery | 1 |
| 35401 | Fudges, toffees, caramels | 54 | Sugar Confectionery | 1 |
| 35501 | Takeaway confectionery | 54 | Sugar Confectionery | 1 |
| 280105 | Mints e.g. Polo, Extra Strong | 54 | Sugar Confectionery | 1 |
| 280106 | Boiled sweets, jellies and unspecified 'sweets' e.g. fruit gums | 54 | Sugar Confectionery | 1 |
| 280107 | Uncoated tottee or fudge, uncoated e.g. lottos, chocolate eclairs, caramels | 54 | Sugar Cont ectionery | 1 |
| 280108 | Pick 'n' mix, nougat, liquorice and other sweets | 54 | Sugar Confectionery | 1 |
| 34001 | Soft drinks, concentrated, not low calorie | 55 | Sugar Containing Soft Drinks | 1 |
| 34101 | Soft drinks, not concentrated, not low calorie | 55 | Sugar Containing Soft Drinks | 1 |
| 38501 | Spirits with mixer | 55 | Sugar Containing Soft Drinks | 0.85 |
| 38901 | Alcopops | 55 | Sugar Containing Soft Drinks | 0.85 |
| 260203 | Soft drink (incl carbonates & still) - not low calorie (including drinks where calorie content unspecified) | 55 | Sugar Containing Soft Drinks | 1 |
| 260206 | Soft drink where pure juice or juice drink not specified | 55 | Sugar Containing Soft Drinks | 1 |
| 270104 | Spirits or liqueurs with mixer e.g. gin & tonic, Bacardi & coke | 55 | Sugar Containing Soft Drinks | 0.85 |
| 270206 | Alcoholic soft drinks (alcopops), and ready-mixed bottled drinks | 55 | Sugar Containing Soft Drinks | 0.85 |
| 34301 | Soft drinks, concentrated, low calorie | 56 | Sugar Free Soft Drinks | 1 |
| 34401 | Soft drinks, not concentrated, low calorie | 56 | Sugar Free Soft Drinks | 1 |
| 260202 | Soft drink (ind carbonates and still) - low calorie | 56 | Sugar Free Soft Drinks | 1 |
| 27402 | Sweet biscuits (not chocolate) and cereal bars | 57 | Sweet Biscuits | 1 |
| 27702 | Chocolate biscuits | 57 | Sweet Biscuits | 1 |
| 300101 | Fully-coated chocdate biscuits or wafers | 57 | Sweet Biscuits | 1 |
| 300102 | Sweet biscuits including half-coated chocolate biscuits | 57 | Sweet Biscuits | 1 |
| 300103 | Cereal bars and cereal based cakes | 57 | Sweet Biscuits | 1 |
| 9505 | Takeaway meat based meals | 58 | Takeaway Main Meal Component | 1 |
| | | | , , | |
| 12305 | Takeaway fish based meals | 58 | Takeaway Main Meal Component | 1 |
| 20604 | All v egetable takeaway products | 58 | Takeaway Main Meal Component | 1 |
| 28101 | Oatmeal and oat products | 59 | Total Breakfast Cereal | 1 |
| 28202 | Muesli | 59 | Total Breakfast Cereal | 1 |
| 28203 | High fibre breakfast cereals | 59 | Total Breakfast Cereal | 1 |
| 28204 | Sweetened breakfast cereals | 59 | Total Breakfast Cereal | 1 |
| 28205 | Other breakf ast cereals | 59 | Total Breakfast Cereal | 1 |
| 190101 | Muesli and oat crunch cereals | 59 | Total Breakfast Cereal | 1 |
| 190102 | Other high fibre breakfast cereals e.g. Allbran, Weetabix | 59 | Total Breakfast Cereal | 1 |
| 190103 | Sweetened breakt ast cereals e.g. Frosties, Sugar Putts | 59 | lotal Breakt ast Cereal | 1 |
| 190104 | Hot breakfast cereals e.g. porridge, Ready Brek | 59 | Total Breakfast Cereal | 1 |
| 190105 | Other breakf ast cereals and unspecified 'cereal' e.g. Cornflakes, Rice Krispies, Special K | 59 | Total Breakfast Cereal | 1 |
| 2201 | Hard cheese - Cheddar type | 60 | Total Cheese | 1 |

| 2202 | Hard cheese - Other UK or foreign equivalent | 60 | Total Cheese | 1 |
|--------|---|----|----------------------------|---|
| 2203 | Hard cheese - Edam or other foreign | 60 | Total Cheese | 1 |
| 2205 | Cottage cheese | 60 | Total Cheese | 1 |
| 2206 | Soft natural cheese | 60 | Total Cheese | 1 |
| 2301 | Processed cheese | 60 | Total Cheese | 1 |
| 130101 | Cottage cheese including with pineapple | 60 | Iotal Cheese | 2 |
| 130105 | Other cheese dishes e.g. Welsh rarebit, cheese and biscuits | 60 | Total Cheese | 1 |
| 240303 | Cheese filling induding cheddar cheese, cottage cheese | 60 | Total Cheese | 1 |
| 16201 | Fresh cabbages | 61 | Total Fruit and Vegetables | 1 |
| 16301 | Fresh Brussels sprouts | 61 | Total Fruit and Vegetables | 1 |
| 16401 | Fresh cauliflower | 61 | Total Fruit and Vegetables | 1 |
| 16701 | Lettuce and leafy salads | 61 | Total Fruit and Vegetables | 1 |
| 16702 | Prepared lettuce salads | 61 | Total Fruit and Vegetables | 1 |
| 16801 | Fresh peas | 61 | Iotal Fruit and Vegetables | 1 |
| 16901 | Fresh beans | 61 | Total Fruit and Vegetables | 1 |
| 17101 | Other fresh green vegetables | 61 | Total Fruit and Vegetables | 1 |
| 17201 | Fresh carrots | 61 | Total Fruit and Vegetables | 1 |
| 17301 | Fresh turnips and swede | 61 | Total Fruit and Vegetables | 1 |
| 17401 | Other fresh root vegetables | 61 | Total Fruit and Vegetables | 1 |
| 17501 | Fresh onions, leeks and shallots | 61 | Total Fruit and Vegetables | 1 |
| 17601 | Fresh cucumbers | 61 | Total Fruit and Vegetables | 1 |
| 17701 | Fresh mushrooms | 61 | Iotal Fruit and Vegetables | 1 |
| 17801 | Fresh tomatoes | 61 | Total Fruit and Vegetables | 1 |
| 18301 | Fresh v egetable stewpack, stirfry pack etc. | 61 | Total Fruit and Vegetables | 1 |
| 18302 | Fresh stem vegetables | 61 | Total Fruit and Vegetables | 1 |
| 18303 | Fresh marrow, courgettes, aubergine, pumpkin and other vegetables | 61 | Total Fruit and Vegetables | 1 |
| 18304 | Fresh herbs | 61 | Total Fruit and Vegetables | 1 |
| 18401 | Tomatoes, canned or bottled | 61 | Total Fruit and Vegetables | 1 |
| 18501 | Peas, canned | 61 | Total Fruit and Vegetables | 1 |
| 18802 | Baked beans in sauce | 61 | Iotal Fruit and Vegetables | 1 |
| 18803 | Other canned beans and pulses | 61 | Total Fruit and Vegetables | 1 |
| 19101 | Other canned v egetables | 61 | Total Fruit and Vegetables | 1 |
| 19201 | Dried pulses, other than air-dried | 61 | Total Fruit and Vegetables | 1 |
| 19501 | Air-dried v egetables | 61 | Total Fruit and Vegetables | 1 |
| 19602 | Tomato puree and v egetable purees | 61 | Total Fruit and Vegetables | 1 |
| 19603 | Vegetable juices e.g. tomato juice, carrot juice | 61 | Total Fruit and Vegetables | 1 |
| 20301 | Peas, frozen | 61 | Total Fruit and Vegetables | 1 |
| 20401 | Beans, trozen | 61 | Iotal Fruit and Vegetables | 1 |
| 20801 | Other frozen vegetables | 61 | Total Fruit and Vegetables | 1 |
| 21001 | Fresh oranges | 61 | Total Fruit and Vegetables | 1 |
| 21401 | Other fresh citrus fruits | 61 | Total Fruit and Vegetables | 1 |
| 21701 | Fresh apples | 61 | Total Fruit and Vegetables | 1 |
| 21801 | Fresh pears | 61 | Total Fruit and Vegetables | 1 |
| 22101 | Fresh stone fruit | 61 | Total Fruit and Vegetables | 1 |
| 22201 | Fresh grapes | 61 | Total Fruit and Vegetables | 1 |
| 22701 | Other tresh soft truit | 61 | Iotal Fruit and Vegetables | 1 |
| 22801 | Fresh bananas | 61 | Total Fruit and Vegetables | 1 |
| 22901 | Fresh melons | 61 | Total Fruit and Vegetables | 1 |

23101 Other fresh fruit 61 Total Fruit and Vegetables 23301 61 Total Fruit and Vegetables Tinned peaches, pears and pineapples 1 23601 All other tinned or bottled fruit 61 Total Fruit and Vegetables 1 24001 Dried f ruit 61 Total Fruit and Vegetables 1 24101 Frozen strawberries, apple slices, peach halves, oranges and other frozen 61 Total Fruit and Vegetables 1 fruits 24801 Pure f ruit juices 61 Total Fruit and Vegetables 1 150101 61 Total Fruit and Vegetables 1 Lettuce and cress 150102 Other green v egetables e.g. spinach, cabbage, sprouts Iotal Fruit and Vegetables 61 1 150201 61 Total Fruit and Vegetables Peppers - raw or cooked 1 Iotal Fruit and Vegetables 150202 Courgettes, marrow, aubergine, pumpkin, plantain, cucumbers 61 1 150203 61 Total Fruit and Vegetables Peas and sweetcorn 1 150204 Baked beans and other beans (not green beans) and pulses 61 Total Fruit and Vegetables 1 150205 Iomato - t resh or raw 61 Iotal Fruit and Vegetables 1 150206 Tomato - cooked or processed 61 Total Fruit and Vegetables 1 150301 Carrots 61 Total Fruit and Vegetables 1 Iotal Fruit and Vegetables 150302 Onions - raw, cooked or unspecified 'onions' 61 1 150303 61 Total Fruit and Vegetables 1 Onions - fried Other root v egetables or tubers e.g. turnip, parsnip, radish, beetroot Iotal Fruit and Vegetables 150304 61 1 61 Total Fruit and Vegetables 150401 Mushrooms - raw or cooked 1 150501 Mixed vegetables or unspecified 'vegetable' 61 Total Fruit and Vegetables 1 150502 Other vegetables e.g. artichoke, asparagus 61 Total Fruit and Vegetables 1 160101 Mixed salad, main course - without dressing 61 Total Fruit and Vegetables 1 160102 Mixed salad, side dish - without dressing - including unspecified 'salad' 61 Total Fruit and Vegetables 1 Green salad - without dressing Iotal Fruit and Vegetables 160103 61 1 200101 All citrus f ruit, fresh e.g. orange, grapefruit 61 Total Fruit and Vegetables 1 200102 Banana, fresh Iotal Fruit and Vegetables 61 1 Total Fruit and Vegetables 200103 Apples, fresh 61 1 200104 61 Total Fruit and Vegetables Pears, fresh 1 Iotal Fruit and Vegetables 200105 Stone fruit, fresh e.g. apricot, plum, peach, cherry, avocado 61 1 200106 61 Total Fruit and Vegetables Grapes, fresh 1 200107 Soft fruit or berries, fresh e.g. strawberries, blackberries - without cream or 61 Total Fruit and Vegetables 1 ice cream 61 200108 Melon, fresh Total Fruit and Vegetables 1 200109 Pineapple, fresh Iotal Fruit and Vegetables 61 1 200110 61 Total Fruit and Vegetables Fresh fruit salad - without cream or ice cream 1 200111 Other fresh fruit (kiwi, passion) and unspecified 'fruit' 61 Total Fruit and Vegetables 1 200112 Total Fruit and Vegetables Free school fruit 61 1 200201 Dried fruit e.g. sultanas, raisins 61 Total Fruit and Vegetables 1 200301 Tinned, stewed, baked or processed fruit - without cream or ice cream 61 Total Fruit and Vegetables 1 240301 Fruit filling e.g. peaches for pancakes 61 Iotal Fruit and Vegetables 1 240302 Vegetable filling 61 Total Fruit and Vegetables 1 Iotal Fruit and Vegetables 260204 Pure f ruit juices 61 1 260205 Vegetable juices e.g. tomato juice, carrot juice 61 Total Fruit and Vegetables 1 402 UHT whole milk 62 Total Milk 1 403 Sterilised whole milk Total Milk 62 1 404 62 Total Milk Pasteurised or homogenised whole milk 1 601 Welf are milk 62 Total Milk 1 901 Condensed or ev aporated milk Total Milk 62

| •• | 1 5 7 | 0 | y | |
|--------|--|----|--------------------------|---|
| 1102 | Infant or baby milks - ready to drink | 62 | Total Milk | 1 |
| 1103 | Infant or baby milks - dried | 62 | Total Milk | 1 |
| 1201 | Instant dried milk | 62 | Total Milk | 1 |
| 1502 | Fully skimmed milk | 62 | Total Milk | 1 |
| 1503 | Semi-skimmed mik | 62 | Total Milk | 1 |
| 1605 | Dried milk products | 62 | l otal Milk | 1 |
| 1606 | Milk drinks & other milks (replaced 200405 onwards) | 62 | Total Milk | 1 |
| 1607 | Milk drinks & other milks | 62 | Total Milk | 1 |
| 1608 | Non-dairy milk substitutes | 62 | Total Milk | 1 |
| 260301 | Milk as a drink | 62 | Total Milk | 1 |
| 260302 | Milk on cereal | 62 | Total Milk | 1 |
| 260303 | Milkshake and flavoured milk | 62 | Total Milk | 1 |
| 260304 | Free school milk | 62 | Total Milk | 1 |
| 5502 | Bacon and ham joints, uncooked | 63 | Iotal Processed Red Meat | 1 |
| 5505 | Bacon and ham rashers, uncooked | 63 | Total Processed Red Meat | 1 |
| 5801 | Ham and bacon | 63 | Total Processed Red Meat | 1 |
| 6201 | Corned beef - canned or sliced | 63 | Total Processed Red Meat | 1 |
| 6601 | Other cooked meat | 63 | Total Processed Red Meat | 1 |
| 7102 | Other canned meat and carned meat products | 63 | Total Processed Red Meat | 1 |
| 7901 | Sausages, uncooked - pork | 63 | Total Processed Red Meat | 1 |
| 8001 | Sausages, uncooked - beef etc. | 63 | Total Processed Red Meat | 1 |
| 8302 | Meat pies - ready to eat | 63 | Iotal Processed Red Meat | 1 |
| 8303 | Sausage rolls - ready to eat | 63 | Total Processed Red Meat | 1 |
| 8401 | Meat pies, pasties and puddings - frozen or not frozen | 63 | Total Processed Red Meat | 1 |
| 8501 | Burgers - frozen or not frozen | 63 | Total Processed Red Meat | 1 |
| 8902 | Other convenience meat products - frozen or not frozen | 63 | Total Processed Red Meat | 1 |
| 9301 | Pate | 63 | Total Processed Red Meat | 1 |
| 9302 | | 63 | Total Processed Red Meat | 1 |
| 9403 | Delicatessen type sausages | 63 | | |
| 9403 | Meat pastes and spreads lakeaway meat pies and pasties | | Total Processed Red Meat | 1 |
| | | 63 | Iotal Processed Red Meat | 1 |
| 9502 | Takeaway burger and bun | 63 | Total Processed Red Meat | 1 |
| 9503 | Takeaway kebabs | 63 | Total Processed Red Meat | 1 |
| 9504 | Takeaway sausages and saveloys | 63 | Total Processed Red Meat | 1 |
| 9506 | Takeaway miscellaneous meats | 63 | Total Processed Red Meat | 1 |
| 110106 | Bacon | 63 | Total Processed Red Meat | 1 |
| 110107 | Gammon or ham | 63 | Total Processed Red Meat | 1 |
| 110301 | Small or single burgers | 63 | Total Processed Red Meat | 1 |
| 110302 | Large or double burgers | 63 | Iotal Processed Red Meat | 1 |
| 110401 | Kebabs - all types including chicken | 63 | Total Processed Red Meat | 1 |
| 110402 | Plain sausages e.g. beef, pork | 63 | Total Processed Red Meat | 1 |
| 110403 | Other sausages | 63 | Total Processed Red Meat | 1 |
| 110404 | Hot dogs and sausage sandwiches | 63 | Total Processed Red Meat | 1 |
| 110501 | Meat pies (pastry topped) and pasties | 63 | Total Processed Red Meat | 1 |
| 110503 | Sausage roll (pastry) | 63 | Total Processed Red Meat | 1 |
| 110701 | All pates | 63 | Total Processed Red Meat | 1 |
| 110801 | Other meat products or dishes | 63 | Iotal Processed Red Meat | 1 |
| 10201 | White fish, fresh or chiled | 64 | Unprocessed Fish | 1 |
| 10202 | White fish, frozen | 64 | Unprocessed Fish | 1 |

Appendix 8: Breakdown of Food Groupings by Food Code for Contributing Foods Analysis 10601 Herrings and other blue fish, fresh or chilled 64 Unprocessed Fish 10602 Food state blue fish, fresh or chilled

| 10601 | Herrings and other blue fish, fresh or chilled | 64 | Unprocessed Fish | 1 |
|--------|---|----|----------------------|---|
| 10602 | Herrings and other blue fish, frozen | 64 | Unprocessed Fish | 1 |
| 10701 | Salmon, fresh or chilled | 64 | Unprocessed Fish | 1 |
| 10702 | Salmon, frozen | 64 | Unprocessed Fish | 1 |
| 10801 | Blue fish, dried or salted or smoked | 64 | Unprocessed Fish | 1 |
| 11401 | White tish, dried or salted or smoked | 64 | Unprocessed Fish | 1 |
| 11702 | Shellf ish, freshor chilled | 64 | Unprocessed Fish | 1 |
| 11703 | Shellf ish, frozen | 64 | Unprocessed Fish | 1 |
| 11901 | Tinned salmon | 64 | Unprocessed Fish | 1 |
| 120101 | White fish - grilled, steamed, baked or boiled - without sauce | 64 | Unprocessed Fish | 1 |
| 120102 | White fish - fried (incl in batter/breadcrumbs) - without sauce | 64 | Unprocessed Fish | 1 |
| 120201 | Trout, tuna and salmon only - fresh - without sauce or dressing | 64 | Unprocessed Fish | 1 |
| 120202 | Other fatty fish - without sauce or dressing e.g. herring, mackerel, sardines | 64 | Unprocessed Fish | 1 |
| 120301 | Shellf ish - without sauce or dressing e.g. prawns, shrimps, oysters, crab | 64 | Unprocessed Fish | 1 |
| 120401 | Kippers and other smoked fish e.g. smoked salmon | 64 | Unprocessed Fish | 1 |
| 120501 | Other fish products and unspecified 'fish' e.g. squid, sushi, crabsticks | 64 | Unprocessed Fish | 1 |
| 3102 | Beef joints - on the bone | 65 | Unprocessed Red Meat | 1 |
| 3103 | Beef joints - boned | 65 | Unprocessed Red Meat | 1 |
| 3104 | Beef steak - less expensive | 65 | Unprocessed Red Meat | 1 |
| 3105 | Beef steak - more expensive | 65 | Unprocessed Red Meat | 1 |
| 3106 | Minced beef | 65 | Unprocessed Red Meat | 1 |
| 3107 | All other beet and veal | 65 | Unprocessed Red Meat | 1 |
| 3601 | Mutton | 65 | Unprocessed Red Meat | 1 |
| 3602 | Lamb joints | 65 | Unprocessed Red Meat | 1 |
| 3603 | Lamb chops | 65 | Unprocessed Red Meat | 1 |
| 3604 | All other lamb | 65 | Unprocessed Red Meat | 1 |
| 4101 | Pork joints | 65 | Unprocessed Red Meat | 1 |
| 4102 | Pork chops | 65 | Unprocessed Red Meat | 1 |
| 4103 | Pork fillets and steaks | 65 | Unprocessed Red Meat | 1 |
| 4104 | All other pork | 65 | Unprocessed Red Meat | 1 |
| 4603 | Ox liver | 65 | Unprocessed Red Meat | 1 |
| 4604 | Lambs liv er | 65 | Unprocessed Red Meat | 1 |
| 4605 | Pigs liv er | 65 | Unprocessed Red Meat | 1 |
| 4607 | All other liv er | 65 | Unprocessed Red Meat | 1 |
| 5101 | All off al other than liver | 65 | Unprocessed Red Meat | 1 |
| 7801 | Other fresh, chilled or frozen meat | 65 | Unprocessed Red Meat | 1 |
| 110101 | Steak - without sauce e.g. braised, sirloin | 65 | Unprocessed Red Meat | 1 |
| 110102 | Roast meat with sauce or gravy | 65 | Unprocessed Red Meat | 1 |
| 110103 | Pork chops with sauce or gravy | 65 | Unprocessed Red Meat | 1 |
| 110104 | Lamb chops with sauce or gravy | 65 | Unprocessed Red Meat | 1 |
| 110105 | Spare ribs | 65 | Unprocessed Red Meat | 1 |
| 110108 | All offal including liver, kidney, tongue | 65 | Unprocessed Red Meat | 1 |
| 110204 | Game with sauce or gravy | 65 | Unprocessed Red Meat | 1 |
| 16201 | Fresh cabbages | 66 | Vegetables | 1 |
| 16301 | Fresh Brussels sprouts | 66 | Vegetables | 1 |
| 16401 | Fresh cauliflower | 66 | Vegetables | 1 |
| 16701 | Lettuce and leafy salads | 66 | Vegetables | 1 |
| 16702 | Prepared lettuce salads | 66 | Vegetables | 1 |

| •• | | - | • | |
|-------------|---|----|------------|---|
| 16801 | Fresh peas | 66 | Vegetables | 1 |
| 16901 | Fresh beans | 66 | Vegetables | 1 |
| 17101 | Other fresh green vegetables | 66 | Vegetables | 1 |
| 17201 | Fresh carrots | 66 | Vegetables | 1 |
| 17301 | Fresh turnips and swede | 66 | Vegetables | 1 |
| 17401 | Other tresh root vegetables | 66 | Vegetables | 1 |
| 17501 | Fresh onions, leeks and shallots | 66 | Vegetables | 1 |
| 17601 | Fresh cucumbers | 66 | Vegetables | 1 |
| 17701 | Fresh mushrooms | 66 | Vegetables | 1 |
| 17801 | Fresh tomatoes | 66 | Vegetables | 1 |
| 18301 | Fresh v egetable stewpack, stirfry pack etc. | 66 | Vegetables | 1 |
| 18302 | Fresh stem vegetables | 66 | Vegetables | 1 |
| 18303 | Fresh marrow, courgettes, aubergine, pumpkin and other vegetables | 66 | Vegetables | 1 |
| 18304 | Fresh herbs | 66 | Vegetables | 1 |
| 18401 | Tomatoes, canned or bottled | 66 | Vegetables | 1 |
| 18501 | Peas, canned | 66 | Vegetables | 1 |
| 18802 | Baked beans in sauce | 66 | Vegetables | 1 |
| 18803 | Other canned beans and pulses | 66 | Vegetables | 1 |
| 19101 | Other canned v egetables | 66 | Vegetables | 1 |
| 19201 | Dried pulses, other than air-dried | 66 | Vegetables | 1 |
| 19501 | Air-dried puises, other than air-dried | 66 | Vegetables | 1 |
| 19602 | I omato puree and v egetable purees | 66 | Vegetables | 1 |
| | | | - | |
| 20301 20401 | Peas, frozen | 66 | Vegetables | 1 |
| | Beans, frozen | 66 | Vegetables | 1 |
| 20801 | Other frozen vegetables | 66 | Vegetables | 1 |
| 150101 | Lettuce and cress | 66 | Vegetables | 1 |
| 150102 | Other green v egetables e.g. spinach, cabbage, sprouts | 66 | Vegetables | 1 |
| 150201 | Peppers - raw or cooked | 66 | Vegetables | 1 |
| 150202 | Courgettes, marrow, aubergine, pumpkin, plantain, cucumbers | 66 | Vegetables | 1 |
| 150203 | Peas and sweetcorn | 66 | Vegetables | 1 |
| 150204 | Baked beans and other beans (not green beans) and pulses | 66 | Vegetables | 1 |
| 150205 | Tomato - f resh or raw | 66 | Vegetables | 1 |
| 150206 | Tomato - cooked or processed | 66 | Vegetables | 1 |
| 150301 | Carrots | 66 | Vegetables | 1 |
| 150302 | Onions - raw, cooked or unspecified 'onions' | 66 | Vegetables | 1 |
| 150303 | Onions - f ried | 66 | Vegetables | 1 |
| 150304 | Other root v egetables or tubers e.g. turnip, parsnip, radish, beetroot | 66 | Vegetables | 1 |
| 150401 | Mushrooms - raw or cooked | 66 | Vegetables | 1 |
| 150501 | Mixed v egetables or unspecified 'vegetable' | 66 | Vegetables | 1 |
| 150502 | Other vegetables e.g. artichoke, asparagus | 66 | Vegetables | 1 |
| 160101 | Mixed salad, main course - without dressing | 66 | Vegetables | 1 |
| 160102 | Mixed salad, side dish - without dressing - including unspecified 'salad' | 66 | Vegetables | 1 |
| 160103 | Green salad - without dressing | 66 | Vegetables | 1 |
| 240302 | Vegetable filling | 66 | Vegetables | 1 |
| 402 | UHT whole milk | 67 | Whole Milk | 1 |
| 403 | Sterilised whole milk | 67 | Whole Milk | 1 |
| 404 | Pasteurised or homogenised whole milk | 67 | Whole Milk | 1 |
| 601 | Welf are milk | 67 | Whole Milk | 1 |

| •• | 1 5 5 | 0 | , | |
|--------|---|----|--|---|
| 28101 | Oatmeal and oat products | 68 | Wholegrain/ HF Breakfast Cereal | 1 |
| 28202 | Muesli | 68 | Wholegrain/ HF Breakfast Cereal | 1 |
| 28203 | High fibre breakfast cereals | 68 | Wholegrain/ HF Breakfast Cereal | 1 |
| 190101 | Muesli and oat crunch cereals | 68 | Wholegrain/ HF Breakfast Cereal | 1 |
| 190102 | Other high fibre breakfast cereals e.g. Allbran, Weetabix | 68 | Wholegrain/ HF Breakfast Cereal | 1 |
| 190104 | Hot breaktast cereals e.g. porridge, Ready Brek | 68 | Wholegrain/ HF Breakfast Cereal | 1 |
| 1301 | Yoghurt | 69 | Yoghurt and Fromage Frais | 1 |
| 1302 | Fromage frais | 69 | Yoghurt and Fromage Frais | 1 |
| 210101 | Y oghurt and fromage frais | 69 | Yoghurt and Fromage Frais | 1 |
| 35001 | Chocolate bars - solid | 70 | Total Confectionery | 1 |
| 35101 | Chocolate bars - filled | 70 | Total Confectionery | 1 |
| 35301 | Mints | 70 | Total Confectionery | 1 |
| 35302 | Boiled sweets | 70 | Total Conf ectionery | 1 |
| 35401 | Fudges, tottees, caramels | 70 | Iotal Confectionery | 1 |
| 35501 | Takeaway confectionery | 70 | Total Conf ectionery | 1 |
| 280101 | Solid, unfilled chocolate bars and sweets and unspecified 'chocolate' | 70 | Total Conf ectionery | 1 |
| 280102 | Filled chocolate-coated bars and sweets e.g. Mars, Snickers, Minstrels | 70 | Total Confectionery | 1 |
| 280103 | Single chocolate (after dinner) | 70 | Total Conf ectionery | 1 |
| 280105 | Mints e.g. Polo, Extra Strong | 70 | Total Confectionery | 1 |
| 280106 | Boiled sweets, jellies and unspecified'sweets'e.g. fruit gums | 70 | Total Confectionery | 1 |
| 280107 | Uncoated toffee or fudge, uncoated e.g. Toffos, chocolate éclairs, caramels | 70 | Total Conf ectionery | 1 |
| 280108 | Pick 'n' mix, nougat, liquorice and other sweets | 70 | Iotal Confectionery | 1 |
| 27402 | Sweet biscuits (not chocolate) and cereal bars | 71 | Total Confectionery and Sweet Biscuits | 1 |
| 27702 | Chocolate biscuits | 71 | Total Confectionery and Sweet Biscuits | 1 |
| 35001 | Chocolate bars - solid | 71 | Total Confectionery and Sweet Biscuits | 1 |
| 35101 | Chocolate bars - filled | 71 | Total Confectionery and Sweet Biscuits | 1 |
| 35301 | Mints | 71 | Total Confectionery and Sweet Biscuits | 1 |
| 35302 | Boiled sweets | 71 | Total Confectionery and Sweet Biscuits | 1 |
| 35401 | Fudges, toffees, caramels | 71 | Total Confectionery and Sweet Biscuits | 1 |
| 35501 | lakeaway contectionery | 71 | Iotal Confectionery and Sweet Biscuits | 1 |
| 280101 | Solid, unfilled chocolate bars and sweets and unspecified 'chocolate' | 71 | Total Confectionery and Sweet Biscuits | 1 |
| 280102 | Filled chocolate-coated bars and sweets e.g. Mars, Snickers, Minstrels | 71 | Total Confectionery and Sweet Biscuits | 1 |
| 280103 | Single chocolate (after dinner) | 71 | Total Confectionery and Sweet Biscuits | 1 |
| 280105 | Mints e.g. Polo, Extra Strong | 71 | Total Confectionery and Sweet Biscuits | 1 |
| 280106 | Boiled sweets, jellies and unspecified 'sweets' e.g. fruit gums | 71 | Total Confectionery and Sweet Biscuits | 1 |
| 280107 | Uncoated toffee or fudge, uncoated e.g. Toffos, chocolate eclairs, caramels | 71 | Total Confectionery and Sweet Biscuits | 1 |
| 280108 | Pick 'n' mix, nougat, liquorice and other sweets | 71 | Total Confectionery and Sweet Biscuits | 1 |
| 300101 | Fully -coated chocdate biscuts or waters | 71 | Iotal Contectionery and Sweet Biscuits | 1 |
| 300102 | Sweet biscuits including half-coated chocolate biscuits | 71 | Total Confectionery and Sweet Biscuits | 1 |
| 300103 | Cereal bars and cereal based cakes | 71 | Total Confectionery and Sweet Biscuits | 1 |

Appendix 9: Slope Index of Inequality and Relative Index of Inequality

Appendix 9: Slope Index of Inequality and Relative Index of Inequality

The Slope Index of Inequality (SII) was calculated as a measure of inequality of food consumption and nutrient intake. The SII is a measure of absolute inequality (ScotPHO, 2007) used to assess the absolute difference between the least and most deprived individuals. The SII was derived by ranking each household by SIMD (within the 3-year period SIMD was investigated within i.e. 2001-2003, 2004-2006, 2007-2009, 2010-2012 and 2013-2015). The rank scores obtained were divided by the sample size (for the appropriate 3-year period) to obtain a value between 0 and 1, weighted to the relative distribution across SIMD quintiles. Linear regression analysis (weighted least squares) of the mean intake within each SIMD quintile was used to calculate the SIIs for each food / nutrient. The regression (or slope) coefficient from the regression analysis is the SII. For interpretation purposes the SII is the mean difference in intake between the hypothetically most deprived relative to the hypothetically least deprived person in the population (Shaw *et al.*, 2007).

In order to compare a measure of inequality across populations or years, the relative index of inequality (RII) was calculated, which is the SII divided by the overall population mean food consumption or nutrient intake. This helps when making comparisons of the magnitude of the association between the same socio-economic position measures over time. For both SII and RII, the underlying assumption is that there is a linear gradient across the deprivation variable.

The SII figures provide the absolute difference between the hypothetically most deprived and the hypothetically least deprived person for each of the foods / nutrients. A positive figure indicates that consumption / intake is higher in the least deprived and a negative figure indicates that consumption / intake is greatest in the most deprived.

SII and RII figures with 95% CI were calculated for 2001-2003, 2004-2006, 2007-2009, 2010-2012 and 2013-2015 to allow a comparison to be made over time of absolute and relative differences. Whilst they were calculated for all foods and nutrients, it is acknowledged that a linear difference was not found for all foods and nutrients for each of the 3-year time periods. The results show that absolute and relative inequalities in food/nutrient intakes have not changed appreciably between 2001 and 2015. The magnitude of the inequalities is substantial for some foods, e.g. fruit and vegetables where the mean intake in the most deprived was the equivalent of around 2 portions less than the least deprived.

| Table A: Slope Index of Inequality (SII) and Relative Index of Inequality (RII) for the relationship between SIMD quintiles and 2013 Scottish Dietary Goal Food | s – |
|---|-----|
| EFS/LCFS data (g/person/day, with the exception of fish g/person/week) ¹ | |

| Food ² | 2001-2003 SII ^{4,5} 95% CI | 2004-2006³ SII ^{4,5} 95% CI | 2007-2009 SII ^{4,5} 95% CI | 2010-2012 SII ^{4,5} 95% CI | 2013-2015 SII ^{4,5} 95% Cl | P-value for Linear Association for SSI | 2001-2003 RII ⁵ 95%Cl | 2004-2006 ³ RII⁵ 95%Cl | 2007-2009 RII ⁵ 95%CI | 2010-2012 RII ⁵ 95% CI | 2013-2015 RII ⁵ 95% CI |
|--------------------------------------|---|--|--|--|--|---|---|---|---|--|--|
| Fruit and Vegetables ^{6, 7} | 167 | 157 | 166 | 148 | 131 | 0.700 | 0.65 | 0.57 | 0.58 | 0.55 | 0.51 |
| | 132, 202 | 124, 190 | 128, 204 | 105, 192 | 90.6, 172 | 0.733 | 0.51, 0.79 | 0.45, 0.69 | 0.45, 0.72 | 0.39, 0.72 | 0.35, 0.67 |
| Fruit ⁶ | 119 | 104 | 112 | 95.2 | 88.5 | 0.546 | 0.90 | 0.71 | 0.72 | 0.68 | 0.68 |
| | 95.5, 143 | 81.9, 126 | 85.3, 138 | 66.6, 124 | 59.4, 118 | 0.540 | 0.72, 1.07 | 0.56, 0.86 | 0.55, 0.90 | 0.48, 0.88 | 0.46, 0.91 |
| Fruit (and vegetable) Juice | 119 | 104 | 112 | 95.2 | 27.7 | 0.202 | 2.80 | 2.31 | 2.38 | 2.15 | 0.75 |
| | 95.5, 143 | 81.9, 126 | 85.3, 138 | 66.6, 124 | 16.3, 39.0 | 0.293 | 2.25, 3.35 | 1.82, 2.80 | 1.82, 2.95 | 1.51, 2.79 | 0.44, 1.06 |
| Vegetables ⁷ | 47.7 | 52.9 | 54.3 | 53.3 | 42.8 | | 0.39 | 0.41 | 0.42 | 0.42 | 0.33 |
| | 31.4, 63.9 | 34.1,71.8 | 35.2, 73.3 | 27.6, 79.0 | 20.0, 65.7 | 0.945 | 0.25, 0.52 | 0.27, 0.56 | 0.27, 0.56 | 0.22, 0.62 | 0.16, 0.51 |
| Oil Rich Fish | 25.4 | 34.2 | 25.1 | 22.6 | 22.7 | 0.000 | 0.81 | 0.89 | 0.78 | 0.77 | 0.77 |
| | 12.8, 38.1 | 19.0, 49.4 | 13.7, 36.5 | 10.9, 34.2 | 8.2, 37.3 | 0.830 | 0.41, 1.22 | 0.49, 1.28 | 0.43, 1.14 | 0.37, 1.16 | 0.28, 1.27 |
| Total Red Meat ⁸ | -12.2 | -13.9 | -8.6 | -5.5 | -7.8 | 0.750 | -0.19 | -0.23 | -0.14 | -0.09 | -0.14 |
| | -19.5, -4.9 | -22.8, -5.1 | -19.3, 2.1 | -17.0, 6.0 | -18.0, 2.5 | 0.759 | -0.30, -0.08 | -0.37, -0.08 | -0.31, 0.03 | -0.28, 0.10 | -0.32, 0.04 |
| n Households | 1750 | 1731 | 1537 | 1436 | 1266 | | 1750 | 1731 | 1537 | 1436 | 1266 |
| n People | 4022 | 3975 | 3371 | 3181 | 2825 | | 4022 | 3975 | 3371 | 3181 | 2825 |
| n People Weighted ⁹ | 14935 | 14776 | 15356 | 15336 | 15679 | | 14935 | 14776 | 15356 | 15336 | 15679 |

¹Household and eating outconsumption combined; ²See appendices 1 & 3 for methodology; ³From 2006 the EFS moved from a financial year to a calendar year basis. As a consequence of this the January to March 2006 data are duplicated in the 2005/2006 and the 2006 results; ⁴Mean difference in intake (g/person/day with the exception of fish g/person/week) in the most deprived relative to the least deprived (slope of the gradient between the most deprived and the least deprived); ⁵A positive figure indicates that consumption / intakes are highest in the least deprived and the least deprived); ⁵A positive figure indicates that consumption / intakes are highest in the least deprived and a negative figure indicates that consumption / intakes are highest in the most deprived and the least deprived); ⁵A positive figure indicates that consumption / intakes are highest in the least deprived and a negative figure indicates that consumption / intakes are highest in the most deprived; ⁶Fruit includes fruit and vegetable juice; ⁷Vegetables include baked beans; ⁸Meat portion only (includes processed red meat products e.g. sausages, meat pies, burgers, and pate); ⁹The results are weighted to the Scottish population, the number provided is approximately 1000th of the Scottish population

| Nutrient ² | 2001-2003 | 2004-2006 ³ | 2007-2009 | 2010-2012 | 2013-2015 | P-value for | 2001-2003 | 2004-2006 ³ | 2007-2009 | 2010-2012 | 2013-2015 |
|--|--------------------|------------------------|--------------------|--------------------|--------------------|------------------------|---------------|------------------------|---------------|---------------|---------------|
| | SII ^{4,5} | SII ^{4,5} | SII ^{4,5} | SII ^{4,5} | SII ^{4,5} | Linear | RII⁵ | RII⁵ | RII⁵ | RII⁵ | RII⁵ |
| | 95% CI | 95% CI | 95% CI | 95% CI | 95% CI | Association for SSI | 95%CI | 95%CI | 95%CI | 95% CI | 95% CI |
| | -11.4 | -16.0 | -9.1 | -11.4 | -11.3 | 0.740 | -0.07 | -0.09 | -0.05 | -0.07 | -0.06 |
| Energy Density kcal/100g ⁶ | -17.3, -5.6 | -22.6, -9.4 | -16.9, -1.3 | -19.8, -3.0 | -23.8, 1.2 | 0.713 | -0.10, -0.03 | -0.13, -0.06 | -0.10, -0.01 | -0.11, -0.02 | -0.14, 0.01 |
| | -0.2 | -0.6 | -0.1 | 0.5 | 0.0 | 0.705 | -0.01 | -0.02 | 0.00 | 0.01 | 0.00 |
| % Food Energy - Fat | -1.4, 1.1 | -1.8, 0.5 | -1.7, 1.6 | -1.0, 2.0 | -1.8, 1.7 | 0.795 | -0.04, 0.03 | -0.05, 0.01 | -0.04, 0.04 | -0.02, 0.05 | -0.04, 0.04 |
| % Faced Fragment Continents of Fat | 0.1 | 0.2 | 0.3 | 0.7 | 0.0 | 0.540 | 0.01 | 0.01 | 0.02 | 0.05 | 0.00 |
| % Food Energy -Saturated Fat | -0.4, 0.6 | -0.5, 0.9 | -0.3, 0.9 | 0.1, 1.4 | -0.8, 0.8 | 0.513 | -0.03, 0.04 | -0.03, 0.06 | -0.02, 0.06 | 0.00, 0.09 | -0.05, 0.05 |
| % Food From NMES | -2.4 | -2.2 | -1.5 | -1.4 | -1.6 | 0 777 | -0.15 | -0.14 | -0.10 | -0.10 | -0.12 |
| % Food Energy - NMES | -3.7, -1.1 | -3.8, -0.6 | -2.6, -0.4 | -2.7, -0.1 | -3.3, 0.0 | 0.777 | -0.24, -0.07 | -0.25, -0.04 | -0.17, -0.03 | -0.18, -0.01 | -0.23, 0.00 |
| | 2.4 | 2.6 | 2.7 | 2.6 | 3.2 | 0.004 | 0.20 | 0.21 | 0.21 | 0.22 | 0.27 |
| NSP g | 1.3, 3.5 | 1.6, 3.6 | 1.5, 3.9 | 1.5, 3.8 | 2.0, 4.3 | 0.894 | 0.11, 0.28 | 0.13, 0.29 | 0.12, 0.30 | 0.12, 0.31 | 0.17, 0.36 |
| | -7.2 | 25.8 | 42.7 | 126 | 177 | 0.598 | 0.00 | 0.01 | 0.02 | 0.06 | 0.09 |
| Food Energy kcal | -163, 149 | -120, 171 | -136, 221 | -67.0, 319 | 2.6, 351 | | -0.08, 0.07 | -0.06, 0.09 | -0.07, 0.11 | -0.03, 0.16 | 0.00, 0.19 |
| | 0.0 | 0.1 | 0.2 | 0.5 | 0.7 | 0.597 | 0.00 | 0.01 | 0.02 | 0.06 | 0.09 |
| Food Energy MJ | -0.7, 0.6 | -0.5, 0.7 | -0.6, 0.9 | -0.3, 1.3 | 0.0, 1.5 | | -0.08, 0.07 | -0.06, 0.09 | -0.07, 0.11 | -0.04, 0.16 | 0.00, 0.19 |
| % Food Energy Drotein | 0.7 | 0.7 | 0.1 | 0.7 | 0.4 | 0.074 | 0.05 | 0.05 | 0.01 | 0.05 | 0.03 |
| % Food Energy Protein | 0.2, 1.2 | 0.2, 1.2 | -0.4, 0.5 | 0.0, 1.4 | -0.1, 0.9 | 0.271 | 0.02, 0.08 | 0.01,0.09 | -0.03, 0.04 | 0.00, 0.10 | 0.00, 0.06 |
| | -0.5 | -0.1 | 0.0 | -1.3 | -0.5 | 0.705 | -0.01 | 0.00 | 0.00 | -0.03 | -0.01 |
| % Food Energy Carbohydrate | -1.8, 0.8 | -1.3, 1.2 | -1.7, 1.7 | -2.8, 0.2 | -2.3, 1.3 | 0.765 | -0.04, 0.02 | -0.03, 0.03 | -0.04, 0.04 | -0.06, 0.01 | -0.05, 0.03 |
| | | | | | | | | | | | |
| Total Energy | 9.4 | 46.9 | 48.1 | 151 | 204 | 0.500 | 0.00 | 0.02 | 0.02 | 0.07 | 0.10 |
| kcal | -151, 170 | -106, 200 | -133, 229 | -46.7, 348 | 16.0, 392 | 0.588 | -0.07, 0.08 | -0.05, 0.10 | -0.06, 0.11 | -0.02, 0.17 | 0.01, 0.20 |
| | 0.0 | 0.2 | 0.2 | 0.6 | 0.9 | 0.500 | 0.00 | 0.02 | 0.02 | 0.07 | 0.10 |
| Total Energy MJ | -0.6, 0.7 | -0.4, 0.8 | -0.6, 1.0 | -0.2, 1.5 | 0.1, 1.6 | 0.588 | -0.07, 0.08 | -0.05, 0.10 | -0.06, 0.11 | -0.02, 0.17 | 0.01, 0.20 |
| 0/ Tatal Engrave Alashal | 0.9 | 0.6 | -0.3 | 0.7 | 0.5 | 0.557 | 0.24 | 0.17 | -0.08 | 0.18 | 0.15 |
| % Total Energy Alcohol | -0.1, 1.9 | -0.6, 1.9 | -1.4, 0.8 | -0.7, 2.1 | -0.7, 1.8 | 0.557 | -0.02, 0.50 | -0.17, 0.50 | -0.37, 0.21 | -0.2, 0.56 | -0.20, 0.50 |
| n Households | 1750 | 1731 | 1537 | 1436 | 1266 | | 1750 | 1731 | 1537 | 1436 | 1266 |
| n People n People Weighted ⁷ | 4022 14935 | 3975 14776 | 3371 15356 | 3181 15336 | 2825 15679 | | 4022 14935 | 3975 14776 | 3371 15356 | 3181 15336 | 2825 15679 |

Table B: Slope Index of Inequality (SII) and Relative Index of Inequality (RII) for the relationship between SIMD quintiles and 2013 Scottish Dietary Goal Nutrients – EFS/LCFS data (units/person/day)¹

¹Household and eating out intakes combined; ²See appendices 1, 3 and 4 for methodology; ³From2006 the EFS moved from a financial year to a calendar year basis. As a consequence of this the January to March 2006 data are duplicated in the 2005/2006 and the 2006 results; ⁴Mean difference in intake (units/person/day) in the most deprived relative to the least deprived (slope of the gradient between the most deprived and the least deprived); ⁵A positive figure indicates that consumption / intakes are highest in the least deprived and a negative figure indicates that consumption / intakes are highest in the least deprived and a negative figure indicates that consumption / intakes are highest in the least deprived and a negative figure indicates that consumption to the Scottish population - the number provided is approximately 1000th of the Scottish population

| Food ² | 2001-2003 | 2004-2006 ³ | 2007-2009 | 2010-2012 | 2013-2015 | P-value for | 2001-2003 | 2004-2006 ³ | 2007-2009 | 2010-2012 | 2013-2015 |
|--------------------------------|--------------------|------------------------|--------------------|--------------------|--------------------|-----------------------|--------------|------------------------|--------------|--------------|--------------|
| | SII ^{4,5} | SII ^{4,5} | SII ^{4,5} | SII ^{4,5} | SII ^{4,5} | Linear Association | RII⁵ | RII⁵ | RII⁵ | RII⁵ | RII⁵ |
| | 95% CI | 95% CI | 95% CI | 95% CI | 95% CI | for SSI | 95%CI | 95%CI | 95%CI | 95% CI | 95% CI |
| Brown/Wholemeal Bread | 12.6 | 9.6 | 9.1 | 9.3 | 7.6 | 0.659 | 0.70 | 0.42 | 0.40 | 0.43 | 0.41 |
| | 8.2, 17.1 | 4.4, 14.8 | 4.0, 14.2 | 3.1, 15.4 | 2.8, 12.4 | 0.059 | 0.46, 0.95 | 0.19, 0.65 | 0.18, 0.62 | 0.14, 0.71 | 0.15, 0.67 |
| Total Bread | -17.7 | -10.8 | -14.1 | -3.6 | -1.9 | 0.187 | -0.16 | -0.11 | -0.15 | -0.04 | -0.02 |
| | -28.7, -6.6 | -22.6, 1.0 | -23.5, -4.7 | -17.8, 10.5 | -12.2, 8.3 | 0.107 | -0.27, -0.06 | -0.22, 0.01 | -0.25, -0.05 | -0.19, 0.11 | -0.15, 0.10 |
| High Fibre Breakfast Cereal | 9.5 | 10.5 | 11.5 | 8.8 | 10.6 | 0.865 | 0.92 | 0.95 | 0.86 | 0.74 | 0.91 |
| | 5.9, 13.0 | 7.1, 13.8 | 8.3, 14.8 | 5.5, 12.2 | 7.3, 13.8 | 0.865 | 0.57, 1.26 | 0.64, 1.24 | 0.62, 1.10 | 0.46, 1.02 | 0.63, 1.18 |
| Total Breakfast Cereal | 10.9 | 13.8 | 13.4 | 10.7 | 10.0 | 0.736 | 0.56 | 0.70 | 0.60 | 0.51 | 0.49 |
| | 6.6, 15.3 | 9.7, 17.9 | 8.3, 18.4 | 5.0, 16.3 | 5.0, 15.1 | 0.730 | 0.34, 0.78 | 0.49, 0.90 | 0.37, 0.82 | 0.24, 0.77 | 0.25, 0.74 |
| Cakes and Pastries | 2.6 | 1.9 | 6.1 | 7.1 | 5.5 | 0.105 | 0.15 | 0.11 | 0.35 | 0.43 | 0.33 |
| | -1.6, 6.9 | -2.3, 6.0 | 1.9, 10.3 | 3.6, 10.5 | 0.6, 10.0 | 0.705 | -0.09, 0.40 | -0.13, 0.34 | 0.11, 0.59 | 0.22, 0.64 | 0.04, 0.63 |
| Sweet Biscuits | 2.7 | -0.9 | 1.0 | 5.8 | 0.5 | 0.400 | 0.12 | -0.04 | 0.04 | 0.28 | 0.02 |
| | -1.6, 7.0 | -5.5, 3.7 | -3.8, 5.7 | 1.9, 9.8 | -4.5, 5.5 | 0.129 | -0.07, 0.31 | -0.26, 0.18 | -0.16, 0.24 | 0.09, 0.47 | -0.21, 0.25 |
| Cakes, Sweet Biscuits and | 5.4 | 1.0 | 7.1 | 12.9 | 5.9 | 0.001 | 0.14 | 0.03 | 0.17 | 0.35 | 0.16 |
| Pastries | -1.6, 12.3 | -6.2, 8.2 | -0.5, 14.6 | 7.0, 18.8 | -0.4, 12.3 | 0.061 | -0.04, 0.31 | -0.16, 0.21 | -0.01, 0.36 | 0.19, 0.51 | -0.01, 0.32 |
| Ice Cream and Dairy | 3.3 | 0.3 | -5.9 | -5.2 | 4.7 | 0.450 | 0.10 | 0.01 | -0.18 | -0.17 | 0.14 |
| Desserts | -6.7, 13.2 | -10.8, 11.4 | -15.3, 3.4 | -15.0, 4.6 | -5.2, 14.6 | 0.450 | -0.20, 0.41 | -0.33, 0.35 | -0.47, 0.11 | -0.49, 0.15 | -0.16, 0.44 |
| Sugar and Preserves | -4.8 | -3.4 | 0.6 | -2.6 | 4.8 | 0.007 | -0.26 | -0.20 | 0.03 | -0.15 | 0.31 |
| 0 | -9.7, 0.1 | -10.2, 3.4 | -5.0, 6.3 | -7.7, 2.5 | 0.6, 9.0 | 0.027 | -0.52, 0.01 | -0.60, 0.20 | -0.28, 0.35 | -0.45, 0.14 | 0.04, 0.58 |
| Chocolate Confectionery | 1.7 | 0.8 | 1.7 | 0.4 | 0.2 | 0.974 | 0.11 | 0.06 | 0.11 | 0.03 | 0.01 |
| | -2.3, 5.7 | -2.8, 4.4 | -2.7, 6.0 | -3.6, 4.4 | -3.4, 3.8 | 0.974 | -0.16, 0.39 | -0.20, 0.31 | -0.18, 0.39 | -0.26, 0.31 | -0.25, 0.28 |
| Sugar Confectionery | -1.0 | -1.1 | -1.8 | -1.4 | -1.3 | 0.004 | -0.13 | -0.16 | -0.26 | -0.20 | -0.17 |
| | -2.9, 0.9 | -3.3, 1.1 | -4.3, 0.7 | -3.7, 0.9 | -3.8, 1.2 | 0.991 | -0.37, 0.12 | -0.49, 0.16 | -0.63, 0.10 | -0.53, 0.12 | -0.49, 0.16 |
| Total Confectionery | 0.7 | -0.3 | -0.1 | -1.0 | -1.1 | 0.005 | 0.03 | -0.01 | 0.00 | -0.05 | -0.05 |
| · | -4.5, 5.8 | -5.5, 4.8 | -5.6, 5.3 | -6.1, 4.0 | -5.6, 3.4 | 0.985 | -0.20, 0.26 | -0.26, 0.23 | -0.25, 0.24 | -0.29, 0.19 | -0.26, 0.16 |
| Sugar Containing Soft | -123 | -124 | -134 | -66.3 | -73.1 | 0.0.40 | -0.50 | -0.53 | -0.62 | -0.37 | -0.47 |
| Drinks | -178, -68.7 | -186, -62.5 | -185, -82.7 | -113, -19.8 | -125, -21.4 | 0.248 | -0.73, -0.28 | -0.79, -0.27 | -0.86, -0.38 | -0.63, -0.11 | -0.80, -0.14 |
| Sugar Free Soft Drinks | 35.6 | -40.1 | -9.4 | 19.7 | 25.2 | | 0.34 | -0.43 | -0.11 | 0.17 | 0.19 |
| C C | 6.2,65.1 | -73.4, -6.7 | -47.8, 29.0 | -23.0, 62.5 | -25.8, 76.3 | 0.022 | 0.06, 0.63 | -0.78, -0.07 | -0.54, 0.33 | -0.19, 0.53 | -0.19, 0.57 |
| Total Soft Drinks | -87.8 | -164 | -143 | -46.5 | -47.8 | 0.004 | -0.25 | -0.50 | -0.47 | -0.16 | -0.17 |
| | -146, -29.4 | -238, -90.1 | -210, -76.7 | -101, 8.1 | -122, 27.7 | 0.034 | -0.42, -0.08 | -0.73, -0.28 | -0.69, -0.25 | -0.34, 0.03 | -0.42, 0.09 |
| n Households | 1750 | 1731 | 1537 | 1436 | 1266 | | 1750 | 1731 | 1537 | 1436 | 1266 |
| n People | 4022 | 3975 | 3371 | 3181 | 2825 | | 4022 | 3975 | 3371 | 3181 | 2825 |
| n People Weighted ⁶ | 14935 | 14776 | 15356 | 15336 | 15679 | | 14935 | 14776 | 15356 | 15336 | 15679 |

Table C: Slope Index of Inequality (SII) and Relative Index of Inequality (RII) for the relationship between SIMD quintiles and Additional Foods and Drinks Indicative of Diet Quality (Table A) – EFS/LCFS data (g/person/day)¹

¹Household and eating outconsumption combined; ²See appendices 1 & 3 for methodology; ³From 2006 the EFS moved from a financial year to a calendar year basis. As a consequence of this the January to March 2006 data are duplicated in the 2005/2006 and the 2006 results; ⁴Mean difference in intake (g/person/day) in the most deprived relative to the least deprived (slope of the gradient between the most deprived and the least deprived); ⁵A positive figure indicates that consumption/intakes are highest in the least deprived and a negative figure indicates that consumption, the number provided is approximately 1000th of the Scottish population

| Food ² | 2001-2003 | 2004-2006 ³ | 2007-2009 | 2010-2012 | 2013-2015 | P-value for | 2001-2003 | 2004-2006 ³ | 2007-2009 | 2010-2012 | 2013-2015 |
|--|-------------------------------------|------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|----------------------------------|-----------------------|------------------------|-----------------------|-----------------------|-----------------------|
| | SII ^{4,5} 95% CI | SII ^{₄,5} 95% CI | SII ^{4,5} 95% CI | SII ^{4,5} 95% CI | SII ^{4,5} 95% CI | Linear Association for SSI | RII ⁵ 95%CI | RII ⁵ 95%CI | RII⁵ 95%CI | RII⁵ 95% CI | RII⁵ 95% CI |
| Bacon and Ham | -0.6 -3.3, 2.0 | 0.3 -2.6, 3.3 | 1.5 -1.3, 4.2 | 1.3 -1.6, 4.3 | -0.7 -3.7, 2.3 | 0.693 | -0.05 -0.27, 0.16 | 0.03 -0.22, 0.28 | 0.12 -0.11, 0.34 | 0.11 -0.13, 0.34 | -0.06 -0.33, 0.21 |
| Other Processed Red Meat Products ^{6,7} | -14.1 -18.0, -10.3 | -14.4 -19.2, -9.6 | -13.1 -18.3, -7.8 | -10.8 -15.4, -6.2 | -8.3 -13.2, -3.3 | 0.374 | -0.48 -0.61, -0.35 | -0.53 -0.71, -0.35 | -0.49 -0.68, -0.29 | -0.40 -0.58, -0.23 | -0.32 -0.51, -0.13 |
| Savoury Meat Pies | -5.8 -7.9, -3.7 | -6.1 -8.8, -3.4 | -3.4 -6.4, -0.4 | -3.1 -6.1, -0.2 | -4.9 -7.9, -1.9 | 0.392 | -0.56 -0.76, -0.35 | -0.59 -0.85, -0.33 | -0.35 -0.66, -0.04 | -0.32 -0.63, -0.02 | -0.56 -0.91, -0.22 |
| Butter | 1.4 -0.3, 3.2 | 2.1 -0.5, 4.8 | 1.6 -0.6, 3.7 | 2.3 -0.5, 5.0 | 2.9 0.8, 5.0 | 0.813 | 0.24 -0.05, 0.55 | 0.31 -0.07, 0.72 | 0.25 -0.09, 0.57 | 0.32 -0.07, 0.70 | 0.38 0.10, 0.65 |
| Soft Margarine | -0.8 -1.7, 0.2 | -1.5 -2.4, -0.6 | -0.2 -1.4, 1.0 | -0.2 -1.9, 1.5 | 0.1 -1.6, 1.7 | 0.329 | -0.60 -1.34, 0.14 | -0.91 -1.48, -0.34 | -0.10 -0.68, 0.48 | -0.09 -0.92, 0.73 | 0.04 |
| Low Fat Spread | -0.5 -2.8, 1.8 | 0.2 -1.9, 2.3 | -1.6 -3.8, 0.6 | -1.8 -4.5, 1.0 | -2.8 -4.9, -0.7 | 0.402 | -0.06 -0.31, 0.20 | 0.02 | -0.23 -0.54, 0.08 | -0.28 -0.73, 0.16 | -0.56 -0.98, -0.13 |
| Total Spreading Fats | 0.2 | 0.8 | -0.2 -2.9, 2.4 | 0.3 -3.5, 4.1 | 0.2 | 0.993 | 0.01 -0.17, 0.19 | 0.05 | -0.01 -0.18, 0.16 | 0.02 | 0.01 -0.16, 0.18 |
| Cooking Oil | -2.1 -4.7, 0.4 | -2.3 -6.1, 1.5 | -1.8 -5.8, 2.2 | -1.0 -5.1, 3.2 | -4.4 -8.7, -0.1 | 0.844 | -0.40 -0.87, 0.07 | -0.37 -1.00, 0.25 | -0.28 -0.89, 0.33 | -0.15 -0.81, 0.51 | -0.70 -1.38, -0.01 |
| Cream | 2.6 1.5, 3.6 | 3.0 1.9, 4.1 | 4.5 3.0, 6.0 | 4.0 2.3, 5.7 | 4.2 2.6, 5.8 | 0.083 | 1.05 0.61, 1.49 | 1.00 0.64, 1.36 | 1.45 0.97, 1.93 | 1.21 0.70, 1.72 | 1.17 0.72, 1.62 |
| Cheese | 7.0 3.4, 10.6 | 6.5 3.7, 9.3 | 7.1 4.3, 9.8 | 7.1 4.9, 9.4 | 4.8 1.6, 8.0 | 0.751 | 0.49 0.24, 0.75 | 0.46 0.26, 0.66 | 0.46 0.28, 0.64 | 0.49 0.33, 0.64 | 0.33 0.11, 0.55 |
| Whole Milk | -77.7 -109, -46.2 | -63.6 -88.6, -38.7 | -53.0 -82.1, -23.9 | -50.7 -78.4, -23.0 | -37.2 -53.6, -20.9 | 0.189 | -0.88 -1.23, -0.52 | -0.96 -1.34, -0.58 | -0.93 | -1.12 -1.74, -0.51 | -0.98 -1.42, -0.55 |
| Semi-skimmed Milk | 21.0 -6.7, 48.8 | 28.7 | 10.9 -23.6, 45.3 | 33.7 1.6, 65.9 | 38.9 2.7, 75.1 | 0.796 | 0.17 | 0.22 | 0.08 | 0.25 | 0.30 |
| Skimmed Milk | 6.5 -2.1, 15.2 | 12.1 4.1, 20.1 | 7.2 -2.3, 16.8 | 4.6 -5.4, 14.6 | 12.0 3.0, 21.1 | 0.725 | 0.53 -0.17, 1.25 | 0.87 0.29, 1.45 | 0.43 -0.14, 1.00 | 0.30 -0.36, 0.96 | 1.02 0.25, 1.78 |
| Total Milk | -53.2 -90.5, -15.9 | -30.4 -70.8, 10.0 | -26.2 -58.1, 5.7 | -14.2 -48.8, 20.4 | 1.3 -32.2, 34.7 | 0.308 | -0.21 -0.36, -0.06 | -0.13 -0.31, 0.04 | -0.11 -0.25, 0.02 | -0.07 -0.23, 0.10 | 0.01 -0.16, 0.18 |
| White Fish | 26.1 6.3, 46.0 | 36.5 19.0, 54.0 | 39.1 10.9, 67.3 | 38.1 8.2, 68.0 | 50.2 27.0, 73.4 | 0.662 | 0.28 0.07, 0.49 | 0.41 0.21, 0.60 | 0.41 0.12, 0.71 | 0.47 0.10, 0.84 | 0.67 0.36, 0.98 |
| Fresh Potatoes | -10.9 -20.7, -1.0 | 2.8 -9.5, 15.1 | 5.8 -5.3, 16.8 | -3.1 -15.4, 9.3 | 0.0 -11.6, 11.6 | 0.214 | -0.18 -0.35, -0.02 | 0.05 -0.17, 0.27 | 0.11 -0.10, 0.32 | -0.07 -0.33, 0.20 | 0.00 -0.29, 0.29 |
| Processed Potatoes | -12.1 -16.8, -7.4 | -17.0 -21.5, -12.5 | -15.5 -22.4, -8.6 | -13.2 -20.3, -6.0 | -8.7 -16.0, -1.5 | 0.275 | -0.37 -0.52, -0.23 | -0.61 -0.77, -0.45 | -0.55 -0.79, -0.30 | -0.45 -0.69, -0.21 | -0.30 -0.54, -0.05 |
| Nuts | 1.9 0.8, 3.0 | 2.4 0.9, 3.8 | 2.5 0.7, 4.3 | 3.5 1.6, 5.4 | 3.3 1.8, 4.7 | 0.489 | 0.98 0.42, 1.53 | 0.79 0.29, 1.28 | 0.69 0.20, 1.19 | 1.21 0.56, 1.85 | 0.82 0.46, 1.19 |
| Savoury Snacks | -1.1 -3.6, 1.3 | -1.8 -4.5, 1.0 | -1.9 -4.8, 0.9 | -1.4 -4.2, 1.4 | -1.0 -4.1, 2.1 | 0.989 | -0.08 -0.25, 0.09 | -0.15 -0.37, 0.08 | -0.15 -0.37, 0.07 | -0.12 -0.34, 0.11 | -0.08 -0.31, 0.16 |
| n Households n People n People Weighted ⁸ | 1750 4022 14935 | 1731 3975 14776 | 1537 3371 15356 | 1436 3181 15336 | 1266 2825 15679 | | 1750 4022 14935 | 1731 3975 14776 | 1537 3371 15356 | 1436 3181 15336 | 1266 2825 15679 |

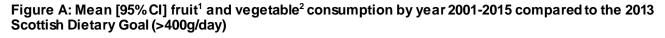
Table D: Slope Index of Inequality (SII) and Relative Index of Inequality (RII) for the relation of SIMD quintiles on Additional Foods and Drinks Indicative of Diet Quality (Table B) – EFS/LCFS data (g/person/day)¹

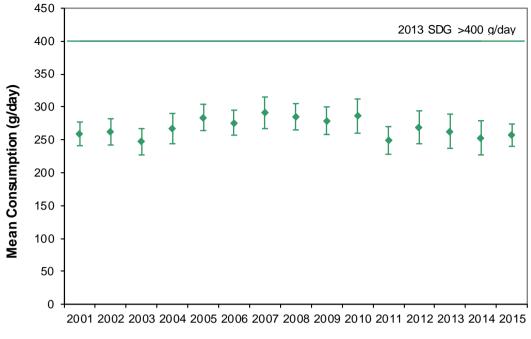
¹ Household and eating out consumption combined; ²See appendices 1 & 3 for methodology; ³From2006 the EFS moved from a financial year to a calendar year basis. As a consequence of this the January to March 2006 data are duplicated in the 2005/2006 and the 2006 results; ⁴Mean difference in intake (g/person/day with the exception of fish g/person/week) in the most deprived relative to the least deprived (slope of the gradient between the most deprived and the least deprived); ⁵A positive figure indicates that consumption / intakes are highest in the least deprived (slope of the gradient between the most deprived and the least deprived); ⁵A positive figure indicates that consumption / intakes are highest in the least deprived (slope of the gradient between the most deprived and the least deprived); ⁵A positive figure indicates that consumption / intakes are highest in the rost deprived; ⁶Meat portion only; ⁷Other processed red meat products includes the meat portion of susages, meat pies, corned beef, burgers and pate and is a component of total results are weighted to the Scottish population, the number provided is approximately 1000th of the Scottish population

| g/person/w | CCRJ | | | | | | | | | | | | | | | | | |
|-----------------------------------|-----------------------------|--------------|--------------|--------------|--------------|--------------|---------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|-----------------------|------------------------|
| Food ² | 2013 Scottish Dietary | 2001 Mean | 2002 Mean | 2003 Mean | 2004 Mean | 2005 Mean | 2006 ³ Mean | 2007 Mean | 2008 Mean | 2009 Mean | 2010 Mean | 2011 Mean | 2012 Mean | 2013 Mean | 2014 Mean | 2015 Mean | P-value for Linear | P-value for Overall |
| | Goal | 95% CI | 95% CI | 95% CI | 95% CI | 95% CI | 95% CI | 95% CI | 95% CI | 95% CI | 95% CI | Association | Association |
| Fruit and | >400g | 259 | 262 | 247 | 267 | 284 | 276 | 291 | 285 | 279 | 286 | 249 | 269 | 263 | 253 | 257 | 0.653 | 0.061 |
| Vegetables ^{4, 5} | perday | 241,278 | 242, 282 | 227, 267 | 244,290 | 264, 304 | 257, 296 | 267, 315 | 265, 304 | 258, 299 | 260, 311 | 228, 270 | 244, 293 | 237, 289 | 228, 279 | 240, 274 | 0.055 | 0.007 |
| Fruit ⁴ | | 133 | 136 | 129 | 140 | 153 | 148 | 165 | 154 | 145 | 150 | 132 | 140 | 134 | 130 | 124 | 0.234 | |
| | | 119, 146 | 121, 152 | 115, 143 | 126, 154 | 139, 167 | 136, 160 | 148, 183 | 139, 169 | 131, 158 | 133, 166 | 118, 145 | 120, 159 | 116, 151 | 115, 145 | 112, 137 | | 0.005 |
| Fruit (and vegetable) Juice | | 44 | 44 | 39 | 38 | 50 | 48 | 53 | 45 | 43 | 48 | 40 | 45 | 43 | 35 | 32 | 0.058 | |
| | | 37, 52 | 37, 51 | 33, 45 | 31,44 | 43, 57 | 42, 54 | 44,61 | 39, 51 | 36, 50 | 39, 56 | 34, 47 | 31,59 | 33, 53 | 29,41 | 27, 37 | | 0.001 |
| Vegetables⁵ | | 126 | 126 | 118 | 127 | 131 | 128 | 125 | 131 | 134 | 136 | 117 | 129 | 129 | 123 | 133 | 0.298 | 0.500 |
| | | 118, 135 | 118, 134 | 109, 127 | 116, 137 | 122, 140 | 117, 139 | 115, 136 | 121, 141 | 122, 146 | 119, 153 | 108, 127 | 120, 139 | 116, 143 | 109, 137 | 126, 140 | 0.298 | 0.522 |
| | 140g | 27 | 29 | 31 | 32 | 39 | 34 | 30 | 30 | 28 | 26 | 35 | 28 | 27 | 28 | 34 | 0.000 | |
| Oil Rich Fish | perweek | 23, 31 | 23, 35 | 25, 37 | 25, 38 | 23, 55 | 27, 41 | 25, 36 | 24, 37 | 23, 33 | 22, 30 | 26,43 | 23, 32 | 22, 31 | 21,35 | 28, 39 | 0.688 | 0.080 |
| Total Red Meat ⁶ | _{⊿6} ≤70g per | 65 | 65 | 66 | 61 | 62 | 60 | 65 | 58 | 61 | 60 | 62 | 61 | 56 | 55 | 56 | <0.001 | 0.040 |
| | day | 60,69 | 61,68 | 62,70 | 57,65 | 58,66 | 56,64 | 59,71 | 52,64 | 57,65 | 55,65 | 55,69 | 57,66 | 51,61 | 50,61 | 52,61 | | 0.012 |
| n Households | | 619 | 585 | 546 | 590 | 566 | 577 | 500 | 494 | 543 | 464 | 495 | 477 | 410 | 433 | 423 | | |
| n People n People Weig | nhted ⁷ | 1414 5015 | 1342 4967 | 1266 4952 | 1329 4948 | 1285 4939 | 1365 4906 | 1093 5040 | 1058 5143 | 1222 5181 | 1030 5109 | 1088 5117 | 1063 5111 | 930 5233 | 974 5260 | 921 5186 | | |

Table A: Mean Consumption¹ of 2013 Scottish Dietary Goal Foods by Year, 2001 to 2015 - EFS / LCFS data (g/person/day with the exception of fish: g/person/week)

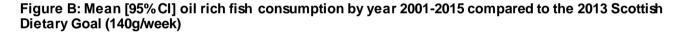
¹Household and eating outconsumption combined; ²See appendices 1 & 3 for methodology; ³From 2006 the EFS moved from a financial year to a calendar year basis. As a consequence of this the January to March 2006 data are duplicated in the 2005/2006 and the 2006 results; ⁴Fruit includes fruit and vegetable juice; ⁵Vegetables include baked beans; ⁶Meat portion only (includes processed red meat products e.g. sausages, meat pies, burgers, and pate); ⁷The results are weighted to the Scottish population - the number provided is approximately 1000th of the Scottish population

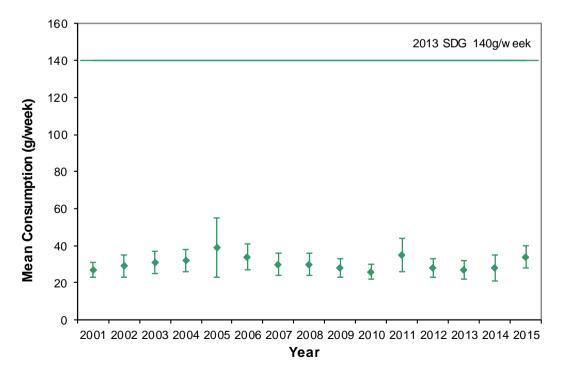




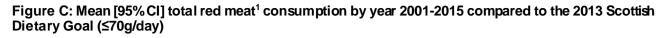
Year

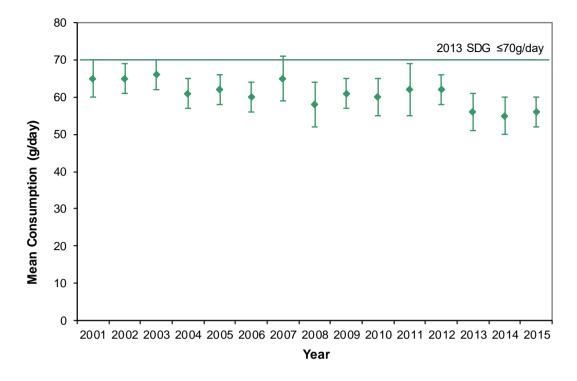
¹Fruit includes fruit and vegetable juice; ²Vegetables includes baked beans; P (linear association) = 0.653; P (overall association) = 0.061





P (linear association) = 0.688; P (overall association) = 0.080



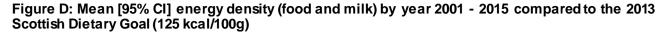


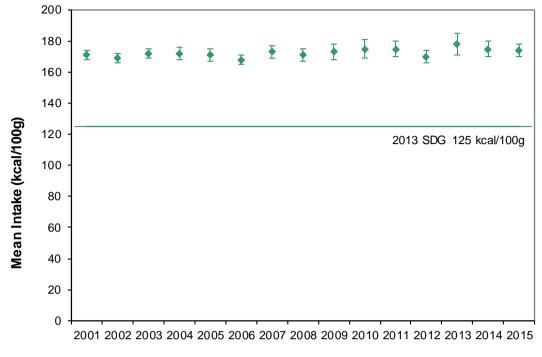
¹Meat portion only; P (linear association) <0.001; P (overall association) = 0.012

| Table B: Mean Intake ¹ of 2013 Scottish Dieta | ry Goal Nutrients and Macronutrients by Y | Year, 2001 to 2015 - EFS / LCFS data (units/person/day) |
|--|---|---|
| | | |

| 51 | adie B: N | iean miai | ke of zur | 3 3001118 | n Dietary | Guarine | in ients a | numaci | muthents | sby rear | , 2001 10 | 2013 - Er | -3/LUF | 5 uala (ui | ins perse | ni/uay) | | |
|--|-----------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|--------------------------------------|---------|
| Nutrient ² | 2013 Scottish Dietary | 2001 Mean 95% Cl | 2002 Mean 95% Cl | 2003 Mean 95% Cl | 2004 Mean 95% Cl | 2005 Mean 95% Cl | 2006 ³ Mean 95% Cl | 2007 Mean 95% Cl | 2008 Mean 95% Cl | 2009 Mean 95% Cl | 2010 Mean 95% Cl | 2011 Mean 95% Cl | 2012 Mean 95% Cl | 2013 Mean 95% Cl | 2014 Mean 95% Cl | 2015 Mean 95% Cl | P-value for Linear Association | Overall |
| | Goal | 171 | 169 | 172 | 93%Ci | 93%CI | 168 | 95%Ci | 93%Ci | 173 | 93%Ci | 175 | 170 | 178 | 175 | 93%Ci | | |
| Energy Densit kcal/100g ⁴ | ty 125kcal/ 100g | 168, 175 | 166, 172 | 169, 175 | 168, 176 | 167, 175 | 165, 172 | 169,176 | 167, 175 | 168,177 | 171, 178 | 170, 180 | 166, 174 | 171, 184 | 170, 179 | 174 | 0.007 | 0.146 |
| % Food Energ | 0 | 38.8 | 38.7 | 38.9 | 38.6 | 38.9 | 38.7 | 38.6 | 39.0 | 39.0 | 38.7 | 39.0 | 39.4 | 39.6 | 39.5 | 38.9 | | |
| Fat | 9y <u>≤</u> 35% | 38.1, 39.6 | 38.1, 39.2 | 38.2, 39.7 | 38.0, 39.2 | 38.2, 39.6 | 38.0, 39.4 | 38.0, 39.3 | 38.3, 39.6 | 38.4, 39.6 | 37.8, 39.7 | 38.4, 39.7 | 38.5, 40.4 | 38.7, 40.4 | 38.5, 40.5 | 38.2, 39.7 | 0.053 | 0.791 |
| % Food Energ | | 15.5 | 15.6 | 15.6 | 15.4 | 15.4 | 15.7 | 15.3 | 15.3 | 15.1 | 15.0 | 15.0 | 15.5 | 15.4 | 15.3 | 15.1 | | 0.005 |
| Saturated Fat | ³⁷ ≤11% t | 15.2, 15.8 | 15.3, 15.9 | 15.2, 16.0 | 15.1, 15.7 | 15.1, 15.7 | 15.3, 16.0 | 15.0, 15.6 | 15.0, 15.7 | 14.8, 15.4 | 14.5, 15.5 | 14.7, 15.4 | 15.1, 15.9 | 14.9, 15.8 | 14.8, 15.8 | 14.7, 15.5 | 0.014 | 0.035 |
| % Food Ener | gy | 15.5 | 15.6 | 16.1 | 15.5 | 15.2 | 15.0 | 14.9 | 15.0 | 14.8 | 15.4 | 14.0 | 14.4 | 14.5 | 14.1 | 14.4 | / | 0.040 |
| NMES | ^{oy} ≤11% | 14.9, 16.1 | 15.1, 16.1 | 15.3, 16.8 | 14.8, 16.2 | 14.6, 15.9 | 14.4, 15.7 | 14.4, 15.5 | 14.4, 15.6 | 14.2, 15.5 | 14.7, 16.1 | 13.2, 14.9 | 13.7, 15.2 | 13.6, 15.4 | 13.5, 14.8 | 13.4, 15.3 | <0.001 | 0.012 |
| | 10 g/day | 12 | 12 | 12 | 12 | 12 | 12 | 13 | 13 | 13 | 13 | 12 | 12 | 12 | 12 | 12 | 0.046 | 0.225 |
| NSP | 18g/day | 12, 13 | 12, 13 | 12, 13 | 12, 13 | 12, 13 | 12, 13 | 12, 13 | 12, 14 | 12, 13 | 12, 14 | 11, 13 | 11, 12 | 11,13 | 11, 12 | 11, 13 | 0.046 | 0.325 |
| | | | | | | | | | | | | | | | | | | |
| Food Energy | 2066 | 2047 | 2044 | 1997 | 1999 | 1977 | 2081 | 2013 | 2022 | 2056 | 1856 | 1913 | 1919 | 1859 | 1890 | 0.004 | 0.000 | |
| kcal | | 1998, 2134 | 1983, 2112 | 1963, 2125 | 1920, 2074 | 1916, 2081 | 1908, 2045 | 1978, 2184 | 1890, 2137 | 1951,2093 | 1945, 2167 | 1752, 1959 | 1828, 1999 | 1807, 2030 | 1764, 1955 | 1785, 1995 | <0.001 | 0.002 |
| Food Energy | | 8.7 | 8.6 | 8.6 | 8.4 | 8.4 | 8.3 | 8.7 | 8.5 | 8.5 | 8.5 | 7.8 | 8.0 | 8.0 | 7.8 | 7.9 | <0.001 | 0.004 |
| MJ | | 8.4, 9.0 | 8.3, 8.9 | 8.3, 8.9 | 8.1, 8.7 | 8.1, 8.7 | 8.0, 8.6 | 8.3, 9.2 | 7.9, 9.0 | 8.2, 8.8 | 8.0, 8.9 | 7.4, 8.2 | 7.7, 8.4 | 7.6, 8.5 | 7.4, 8.2 | 7.5, 8.4 | <0.001 | 0.001 |
| % Food Energ | gу | 14.3 | 14.3 | 14.3 | 14.2 | 14.4 | 14.3 | 14.2 | 14.1 | 14.2 | 14.0 | 14.4 | 14.3 | 13.7 | 14.1 | 14.4 | 0.107 | 0.082 |
| Protein | | 14.1, 14.6 | 14.1, 14.6 | 14.0, 14.5 | 14.0, 14.5 | 14.1, 14.7 | 14.0, 14.6 | 14.0, 14.4 | 13.8, 14.4 | 13.9, 14.6 | 13.7, 14.3 | 14.1, 14.8 | 14.0, 14.5 | 13.5, 14.0 | 13.9, 14.4 | 14.0, 14.7 | 0.107 | 0.002 |
| % Food Energ | ду | 46.9 | 47.0 | 46.8 | 47.2 | 46.7 | 47.0 | 47.1 | 46.9 | 46.7 | 47.1 | 46.4 | 46.2 | 46.6 | 46.3 | 46.6 | 0.071 | 0.918 |
| Carbohydrate | ; | 46.1, 47.6 | 46.4, 47.6 | 46.0, 47.6 | 46.6, 47.8 | 46.0, 47.4 | 46.3, 47.7 | 46.4, 47.9 | 46.2, 47.5 | 46.0, 47.3 | 46.3, 48.0 | 45.7, 47.1 | 45.1, 47.2 | 45.8, 47.5 | 45.3, 47.3 | 45.7, 47.4 | 0.071 | 0.010 |
| | | | | | | | | | | | | | | | | | | |
| Total Energy | | 2143 | 2120 | 2115 | 2065 | 2075 | 2054 | 2148 | 2077 | 2096 | 2129 | 1921 | 1983 | 1978 | 1926 | 1951 | <0.001 | 0.002 |
| kcal | | 2072, 2214 | 2052, 2187 | 2032, 2198 | 1985, 2145 | 1990, 2160 | 1980, 2129 | 2041, 2254 | 1949, 2205 | 2027, 2165 | 2018, 2239 | 1816, 2027 | 1897, 2069 | 1863, 2093 | 1824, 2028 | 1846, 2057 | 10.001 | 0.002 |
| Total Energy | MI | 9.0 | 8.9 | 8.8 | 8.6 | 8.7 | 8.6 | 9.0 | 8.7 | 8.8 | 8.9 | 8.0 | 8.3 | 8.3 | 8.1 | 8.2 | <0.001 | 0.002 |
| | | 8.7, 9.3 | 8.6, 9.2 | 8.5, 9.2 | 8.3, 9.0 | 8.3, 9.0 | 8.3, 8.9 | 8.5, 9.4 | 8.2, 9.2 | 8.5, 9.1 | 8.4, 9.4 | 7.6, 8.5 | 7.9, 8.7 | 7.8, 8.8 | 7.6, 8.5 | 7.7, 8.6 | <0.001 | 0.002 |
| % Total Energ | gу | 3.8 | 3.6 | 3.9 | 3.3 | 3.9 | 4.0 | 3.8 | 3.5 | 4.2 | 4.0 | 3.6 | 3.5 | 3.9 | 3.9 | 3.7 | 0.674 | 0.436 |
| Alcohol | | 3.3, 4.3 | 3.1, 4.1 | 3.4, 4.4 | 2.9, 3.7 | 3.5, 4.4 | 3.5, 4.4 | 3.2, 4.4 | 3.1, 3.8 | 3.7, 4.7 | 3.4, 4.5 | 3.0, 4.1 | 2.7, 4.3 | 3.1, 4.6 | 3.1, 4.6 | 3.2, 4.3 | 0.074 | 0.400 |
| n Households n People n People Wei | - | 619 1414 5015 | 585 1342 4967 | 546 1266 4952 | 590 1329 4948 | 566 1285 4939 | 577 1365 4906 | 500 1093 5040 | 494 1058 5143 | 543 1222 5181 | 464 1030 5109 | 495 1088 5117 | 477 1063 5111 | 410 930 5233 | 433 974 5260 | 423 921 5186 | | |
| copic wei | 0 | 0010 | | | 7070 | 4000 | | 3040 | | | 0100 | 0,11 | 0111 | 0200 | 0200 | 0,00 | | |

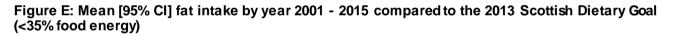
¹Household and eating out intakes combined; ²See appendices 1, 3 and 4 for methodology; ³From 2006 the EFS moved from a financial year to a calendar year basis. As a consequence of this the January to March 2006 data are duplicated in the 2005/2006 and the 2006 results; ⁴Calculated from food and milk; ⁵The results are weighted to the Scottish population - the number provided is approximately 1000th of the Scottish population

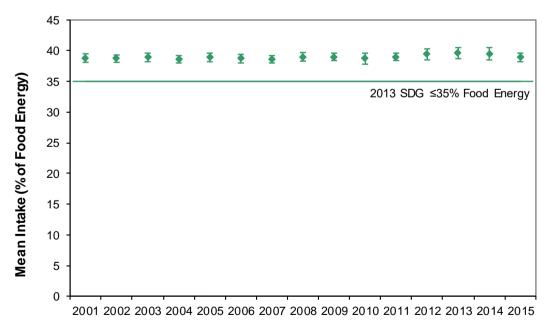




Year

P (linear association) = 0.007; P (overall association) = 0.146

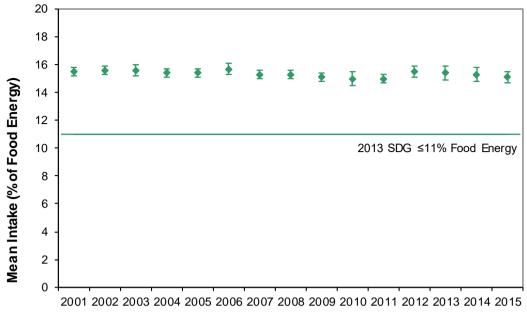




Year

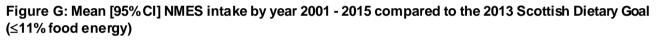
P (linear association) = 0.053; P (overall association) = 0.791

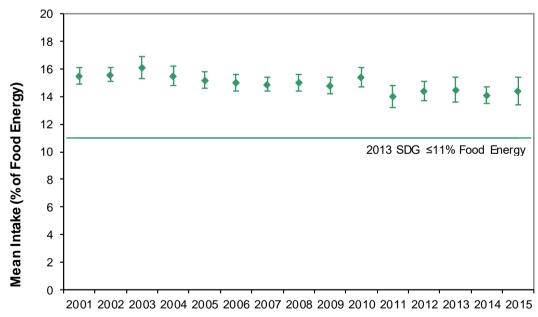




Year

P (linear association) = 0.014; P (overall association) = 0.035

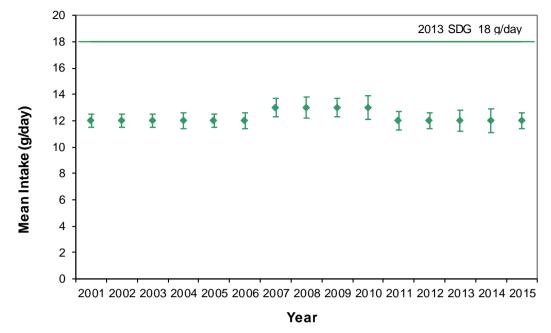




Year

P (linear association) < 0.001; P (overall association) = 0.012

Figure H: Mean [95% CI] NSP intake by year 2001 - 2015 compared to the 2013 Scottish Dietary Goal (18g/day)

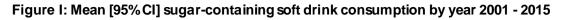


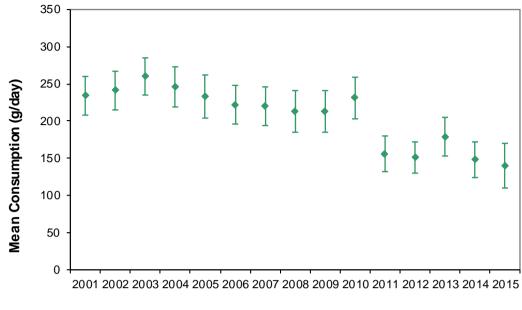
P (linear association) = 0.046; P (overall association) = 0.325

| Table C: Mean Consumption ¹ of Additional Foods and Drinks Indicative of Diet Quality by Year (Table A), 2001 to 2015 - EFS / LCF data (g/person/day) |
|--|
|--|

| Table C: Mear | Consur | nption [,] o | of Addit | ional Fo | ousand | a Drinks | sindica | tive of L | | анту бу | rear (1 | able A), | 2001 to 2 | 013-EF3 | LCF data | a (g/persor | i/day) |
|--------------------------------|----------------|-----------------------|----------------|----------------|----------------|-------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|-----------------------|------------------------|
| | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 ³ | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | P-value for | |
| Food ² | Mean 95% Cl | Mean 95% Cl | Mean 95% Cl | Mean 95% Cl | Mean 95% Cl | Mean 95% Cl | Mean 95% Cl | Mean 95% Cl | Mean 95% Cl | Mean 95% Cl | Mean 95% Cl | Mean 95% Cl | Mean 95% Cl | Mean 95% Cl | Mean 95% Cl | Linear Association | Overall Association |
| Brown/Wholemeal | 18 | 19 | 17 | 22 | 22 | 24 | 23 | 24 | 21 | 23 | 23 | 20 | 21 | 20 | 15 | 0 474 | |
| Bread | 16,20 | 16,21 | 15, 19 | 20,25 | 19,25 | 21,26 | 21,26 | 21,26 | 20,23 | 20,26 | 19,26 | 18,21 | 18,23 | 18,22 | 13, 16 | 0.471 | <0.001 |
| Total Bread | 111 | 109 | 102 | 100 | 100 | 102 | 98 | 93 | 95 | 94 | 86 | 93 | 90 | 80 | 80 | .0.004 | .0.004 |
| I Ulai Dieau | 106, 117 | 104, 113 | 96,109 | 95, 105 | 95, 106 | 96, 108 | 93, 103 | 89,97 | 90, 100 | 89,99 | 80,92 | 87,99 | 84,96 | 75,85 | 75, 84 | <0.001 | <0.001 |
| High Fibre Breakfast | 10 | 10 | 10 | 11 | 11 | 11 | 13 | 13 | 14 | 12 | 12 | 11 | 12 | 11 | 12 | 0.096 | 0.362 |
| Cereal | 8.4, 12 | 8.7,12 | 8.5, 12 | 9.2, 13 | 10, 13 | 9.3, 13 | 12, 15 | 10, 15 | 12, 16 | 10, 14 | 10, 15 | 8.9, 13 | 10, 14 | 8.7, 14 | 11, 13 | 0.090 | 0.302 |
| Total Breakfast | 20 | 20 | 19 | 21 | 19 | 19 | 22 | 22 | 23 | 22 | 22 | 20 | 21 | 20 | 20 | 0.318 | 0.627 |
| Cereal | 17, 22 | 17, 22 | 16,22 | 19,23 | 17,22 | 17,21 | 19,25 | 19, 25 | 21,26 | 19,25 | 19,24 | 17, 22 | 19, 23 | 18,23 | 18, 22 | 0.370 | 0.027 |
| Cakes and Pastries | 18 | 17 | 17 | 18 | 16 | 18 | 17 | 19 | 16 | 18 | 15 | 16 | 17 | 15 | 17 | 0.083 | 0.253 |
| Calco and Fashes | 16, 20 | 15, 19 | 15, 19 | 16,20 | 15, 18 | 16,20 | 15, 19 | 17, 21 | 15, 18 | 15,20 | 14, 17 | 15, 18 | 15, 19 | 13, 18 | 15, 18 | 0.000 | 0.200 |
| Sweet Biscuits | 22 | 23 | 22 | 21 | 20 | 22 | 24 | 24 | 23 | 22 | 19 | 21 | 21 | 23 | 20 | 0.250 | 0.048 |
| Sweet Discuits | 20, 23 | 21,26 | 20,24 | 19,23 | 17,22 | 20, 25 | 21,27 | 21,27 | 21,25 | 19,24 | 18,21 | 18,23 | 18,24 | 20,26 | 19, 22 | 0.250 | 0.046 |
| Cakes, Sweet | 40 | 40 | 39 | 39 | 36 | 41 | 41 | 43 | 39 | 40 | 35 | 37 | 38 | 39 | 37 | 0.077 | 0.083 |
| Biscuits and Pastries | 37, 43 | 37,44 | 35,43 | 36,42 | 33, 39 | 37,44 | 37,45 | 39, 47 | 36, 42 | 36,43 | 32, 37 | 34, 40 | 35, 41 | 34,44 | 35, 39 | 0.077 | 0.083 |
| Ice Cream and Dairy | 31 | 33 | 34 | 31 | 35 | 33 | 34 | 32 | 32 | 30 | 29 | 33 | 33 | 31 | 35 | 0.899 | 0.987 |
| Desserts | 27, 35 | 27, 38 | 29, 38 | 25,37 | 29, 41 | 28, 37 | 28,40 | 27, 37 | 27, 37 | 25,35 | 24, 34 | 28, 37 | 26,40 | 26,36 | 29, 40 | 0.099 | 0.907 |
| Sugar and Preserves | 19 | 17 | 20 | 18 | 15 | 17 | 19 | 18 | 17 | 18 | 16 | 17 | 16 | 15 | 16 | 0.021 | 0.096 |
| Sugaranu Fieserves | 17, 22 | 15, 19 | 16,23 | 16,20 | 13, 18 | 14,20 | 16,22 | 15, 21 | 14,20 | 15,21 | 13, 19 | 14, 21 | 14, 18 | 12,18 | 13, 19 | 0.02 1 | 0.090 |
| Chocolate | 14 | 15 | 16 | 15 | 14 | 14 | 15 | 16 | 15 | 14 | 13 | 14 | 14 | 14 | 13 | 0.161 | 0.743 |
| Confectionery | 12, 16 | 13, 17 | 14, 18 | 13, 17 | 12, 15 | 12, 16 | 12, 18 | 13, 18 | 13, 17 | 12, 17 | 12, 15 | 12, 16 | 12, 16 | 12, 16 | 11, 14 | 0.101 | 0.743 |
| Sugar Confectionery | 7.6 | 7.9 | 7.9 | 7.1 | 6.8 | 6.6 | 6.8 | 7.0 | 7.0 | 7.1 | 6.7 | 7.0 | 7.5 | 7.7 | 7.9 | 0.963 | 0.539 |
| | 6.5, 8.7 | 6.6, 9.1 | 6.9, 8.8 | 6.2, 8.1 | 5.5, 8.0 | 5.4, 7.8 | 5.9, 7.6 | 5.0, 8.0 | 5.9, 8.2 | 6.1, 8.2 | 5.7, 7.7 | 6.0, 8.0 | 6.0, 9.1 | 6.6, 8.8 | 6.5, 9.3 | 0.000 | 0.000 |
| Total Confectionery | 21 | 23 | 24 | 22 | 20 | 20 | 22 | 22 | 22 | 21 | 20 | 21 | 21 | 22 | 21 | 0.325 | 0.876 |
| Total Confectionery | 19, 24 | 20, 25 | 21,26 | 19,24 | 18,23 | 18,23 | 18,25 | 19, 25 | 20, 25 | 18,25 | 18,22 | 19, 24 | 18,24 | 20,24 | 18, 23 | 0.320 | 0.070 |
| Sugar-Containing | 234 | 241 | 260 | 246 | 233 | 222 | 220 | 213 | 213 | 231 | 156 | 151 | 179 | 148 | 140 | <0.001 | <0.001 |
| Soft Drinks | 208, 260 | 215, 266 | 235, 284 | 219, 272 | 204, 263 | 196, 248 | 194, 245 | 185,242 | 185, 241 | 203, 258 | 132, 180 | 130, 172 | 153, 205 | 124, 172 | 110, 170 | <0.001 | <0.001 |
| Sugar Free Soft | 98 | 108 | 106 | 85 | 85 | 112 | 86 | 100 | 78 | 120 | 98 | 137 | 143 | 121 | 134 | <0.001 | <0.001 |
| Drinks | 83, 113 | 89, 126 | 86, 126 | 72,98 | 67,102 | 91, 132 | 66, 107 | 81, 119 | 62,94 | 92, 149 | 78, 118 | 110, 163 | 117, 170 | 97, 146 | 112, 156 | <0.001 | <0.001 |
| Total Soft Drinks | 332 | 348 | 366 | 331 | 318 | 334 | 306 | 313 | 291 | 351 | 254 | 288 | 322 | 269 | 274 | <0.001 | <0.001 |
| Total Soft Drinks 30 | 305, 359 | 315, 382 | 337, 395 | 299, 362 | 280, 356 | 299, 369 | 269, 342 | 271,355 | 259, 324 | 317, 386 | 221,287 | 255, 320 | 280, 365 | 246, 293 | 242, 305 | <0.001 | <0.001 |
| n Households | 619 | 585 | 546 | 590 | 566 | 577 | 500 | 494 | 543 | 464 | 495 | 477 | 410 | 433 | 423 | | |
| n People | 1414 | 1342 | 1266 | 1329 | 1285 | 1365 | 1093 | 1058 | 1222 | 1030 | 1088 | 1063 | 930 5222 | 974 5260 | 921 5196 | | |
| n People Weighted ^⁴ | 5015 | 4967 | 4952 | 4948 | 4939 | 4906 | 5040 | 5143 | 5181 | 5109 | 5117 | 5111 | 5233 | 5260 | 5186 | | |

¹Household and eating out consumption combined; ²See appendices 1 & 3 for methodology; ³From 2006 the EFS moved from a financial year to a calendar year basis. As a consequence of this the January to March 2006 data are duplicated in the 2005/2006 and the 2006 results; ⁴The results are weighted to the Scottish population - the number provided is approximately 1000th of the Scottish population







P (linear association) < 0.001; P (overall association) < 0.001

| Table D: Mean Consum | ption ¹ of Additional Foods and Drinks Indicative of E | Diet Quality by Year | (Table B), 2001 to 2015 | - EFS/ LCF data (g/person/day) |
|----------------------|---|----------------------|-------------------------|--------------------------------|
| | | | | |

| Table D: N | lean Co | nsumpti | on of A | aditiona | 1 F0005 a | and Drin | ksinaic | ative of L | Jet Qua | πτίχ συ το | ear (Tab | ie B), 200 | UT to 2015 | - EF 5/ LC | F data (g | g/person/da | iy) |
|--------------------------------|-----------------|-----------------|----------|-----------------|-----------------|-------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|----------------|-----------------|-----------------|-------------|-------------|
| | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 ³ | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | P-value for | P-value for |
| Food ² | Mean | Mean | Mean | Mean | Mean | Mean | Mean | Mean | Mean | Mean | Mean | Mean | Mean | Mean | Mean | Linear | Overall |
| | 95% CI | 95% CI | 95% CI | 95% CI | 95% CI | 95% CI | 95% CI | 95% CI | 95% CI | 95% CI | 95% CI | 95% CI | 95% CI | 95% CI | 95% CI | Association | Association |
| | 12 | 12 | 12 | 11 | 12 | 12 | 12 | 12 | 13 | 12 | 13 | 12 | 12 | 11 | 10 | 0.007 | 0.070 |
| Bacon and Ham | 11, 14 | 10, 13 | 11,14 | 10, 12 | 11, 13 | 11, 13 | 11, 13 | 11, 13 | 12, 14 | 11, 13 | 12, 15 | 11, 14 | 10,14 | 9.0, 12 | 9.4, 12 | 0.307 | 0.376 |
| Other Processed | 29 | 29 | 31 | 27 | 29 | 25 | 28 | 25 | 28 | 27 | 25 | 28 | 26 | 25 | 26 | | |
| Red Meat | 26, 32 | 26,31 | 29,33 | 25, 29 | 26, 31 | 23, 28 | 26,31 | 22,28 | 25, 30 | 24, 29 | 23, 27 | 25,30 | 24, 29 | 23, 28 | 23, 28 | <0.001 | 0.020 |
| Products ^{4,5} | | | | | | · · | | | | | | | | | | | |
| Savoury Meat Pies | 11 | 10 | 10 | 10 | 11 | 10 | 11 | 8.0 | 10 | 10 | 9.3 | 10 | 8.7 | 8.5 | 9.0 | 0.003 | 0.112 |
| , | 9.4, 12 | 9.0, 11 | 9.0, 12 | 8.8, 12 | 10,12 | 8.6, 11 | 10,13 | 6.7, 9.4 | 8.3, 11 | 8.3, 11 | 7.8, 11 | 8.8, 12 | 7.3, 10 | 7.0, 10 | 7.8,10 | | |
| Butter | 6.1 | 5.7 | 5.6 | 6.1 | 6.8 | 7.3 | 7.4 | 6.3 | 5.7 | 7.3 | 7.0 | 7.4 | 8.6 | 7.0 | 7.4 | <0.001 | 0.030 |
| | 5.2, 7.1 1.2 | 4.9, 6.6 1.3 | 4.3, 6.9 | 5.1,7.0 0.8 | 5.6, 8.0 2.1 | 6.0, 8.5 2.0 | 6.2, 8.6 2.0 | 5.2, 7.4 2.5 | 4.8, 6.7 1.8 | 6.4, 8.2 2.4 | 5.4, 8.7 1.5 | 6.1,8.7 2.4 | 6.9, 10 2.3 | 5.5, 8.4 | 6.4, 8.5 1.2 | | |
| Soft Margarine | 0.7, 1.6 | 0.8, 1.8 | 0.9, 1.8 | 0.8 | 2.1 1.5, 2.6 | 2.0 | 2.0 | 2.5 | 1.0 | 2.4 | 0.8, 2.2 | 2.4 | 2.3 | 1.6 1.0, 2.3 | 0.6, 1.9 | 0.009 | <0.001 |
| | 10 | 8.1 | 9.0 | 8.9 | 6.4 | 6.8 | 7.3 | 7.3 | 6.5 | 6.0 | 6.2 | 6.3 | 5.9 | 4.8 | 4.4 | | |
| Low Fat Spread | 8.4, 11 | 7.0, 9.3 | 7.8,10 | 8.0, 10 | 5.1, 7.6 | 5.6, 7.9 | 6.0, 8.6 | 5.9, 8.6 | 5.5, 7.6 | 4.7, 7.3 | 5.2, 7.2 | 4.5, 8.1 | 4.9, 7.0 | 3.7, 5.9 | 3.4, 5.3 | <0.001 | <0.001 |
| Total Spreading | 17 | 15 | 16 | 16 | 15 | 16 | 17 | 16 | 14 | 16 | 15 | 16 | 17 | 13 | 13 | | |
| Fats | 16,18 | 14, 17 | 14, 18 | 15, 17 | 14, 17 | 14, 18 | 15,18 | 14, 18 | 13, 15 | 14, 18 | 13,16 | 14, 18 | 15,19 | 12, 15 | 12,14 | 0.006 | 0.002 |
| | 6.0 | 5.0 | 5.0 | 6.2 | 7.0 | 5.1 | 6.6 | 5.9 | 7.3 | 6.6 | 5.9 | 6.4 | 6.2 | 6.2 | 6.4 | | |
| Cooking Oil | 4.4, 7.5 | 3.9, 6.2 | 3.8, 6.3 | 4.7, 7.7 | 4.8, 9.2 | 3.6, 6.6 | 4.5, 8.6 | 4.2, 7.5 | 6.0, 8.6 | 4.6, 8.6 | 4.6, 7.3 | 4.2, 8.6 | 4.4, 8.0 | 4.5, 7.8 | 4.4, 8.3 | 0.218 | 0.523 |
| 0 | 2.3 | 2.5 | 2.4 | 3.0 | 2.8 | 3.2 | 3.2 | 2.7 | 3.3 | 3.3 | 3.3 | 3.4 | 3.1 | 4.0 | 3.6 | / | 0.045 |
| Cream | 1.9, 2.8 | 1.9, 3.1 | 1.9, 3.0 | 2.4, 3.6 | 2.2, 3.5 | 2.5, 3.9 | 2.5, 4.0 | 2.0, 3.5 | 2.5, 4.1 | 2.5, 4.1 | 2.6, 4.1 | 2.6, 4.1 | 2.3, 3.9 | 3.1, 5.0 | 2.8, 4.4 | <0.001 | 0.045 |
| Cheese | 14 | 15 | 14 | 15 | 14 | 13 | 16 | 15 | 15 | 16 | 14 | 14 | 15 | 13 | 15 | 0.678 | 0.079 |
| Cheese | 13, 16 | 13, 16 | 12, 15 | 14, 16 | 13, 16 | 12, 15 | 14, 17 | 14, 16 | 14, 17 | 15, 18 | 13, 16 | 12, 15 | 13, 17 | 12, 15 | 14, 17 | 0.078 | 0.079 |
| Whole Milk | 92 | 85 | 90 | 68 | 59 | 71 | 59 | 53 | 59 | 45 | 45 | 45 | 44 | 37 | 32 | <0.001 | <0.001 |
| | 76, 107 | 73,97 | 74, 105 | 56,80 | 47,71 | 57,86 | 48,70 | 38,68 | 46,73 | 37, 53 | 31,59 | 37, 54 | 33, 56 | 29,46 | 26, 37 | <0.001 | <0.001 |
| Semi-skimmed Milk | 126 | 125 | 125 | 124 | 136 | 127 | 139 | 137 | 138 | 139 | 123 | 143 | 127 | 136 | 132 | 0.161 | 0.564 |
| | 111, 140 | 113, 138 | | 110, 138 | , | , | 125, 153 | 121, 154 | 120, 156 | 124, 153 | 104, 141 | 127, 159 | 112, 142 | 121, 151 | 119, 146 | | |
| Skimmed Milk | 15 | 13 | 9.2 | 13 | 14 | 14 | 14 | 19 | 18 | 14 | 19 | 12 | 15 | 8.7 | 12 | 0.953 | 0.087 |
| | 8.9, 21 | 8.6, 16 | 6.0, 12 | 8.6, 18 | 9.1, 19 | 11,18 | 9.2, 19 | 14,24 | 13,23 | 8.3, 19 | 9.4, 29 | 7.9, 17 | 7.2,23 | 4.9, 12 | 9.4, 14 | | |
| Total Milk | 250 | 249 235,264 | 245 | 227 210, 243 | 225 | 233 | 234 | 226 | 232 214, 251 | 218 | 205 185,226 | 217 200, 233 | 202 179,226 | 193 178, 209 | 196 181,211 | <0.001 | <0.001 |
| | 235,266 | 235, 264 | 90 | 85 | 85 | 95 | 220, 248 96 | 207,245 91 | 214, 251 91 | 201,235 91 | 82 | 200, 233 | 75 | 71 | 79 | | |
| White Fish | 94 85, 104 | 82,100 | 80,101 | 76,94 | 73,96 | 84,105 | 83,110 | 79,103 | 82,101 | 76,106 | 64, 101 | 62,79 | 65,86 | 60, 82 | 71,86 | <0.001 | 0.004 |
| | 66 | 58 | 56 | 54 | 57 | 60 | 53 | 54 | 50 | 49 | 43 | 47 | 39 | 39 | 42 | | |
| Fresh Potatoes | 58,74 | 52,64 | 51,62 | 48,60 | 52,63 | 52,68 | 47,60 | 47,61 | 44,56 | 43,56 | 37,48 | 41,52 | 34,44 | 34,45 | 37,46 | <0.001 | <0.001 |
| Processed | 33 | 33 | 32 | 28 | 27 | 28 | 29 | 27 | 29 | 29 | 27 | 32 | 29 | 28 | 30 | | |
| Potatoes | 30, 36 | 30, 36 | 29,35 | 25,30 | 24,31 | 25, 31 | 25, 32 | 23, 30 | 26, 32 | 25, 32 | 24,30 | 27,37 | 26,33 | 26, 31 | 27,33 | 0.128 | 0.068 |
| | 2.2 | 1.8 | 2.0 | 2.9 | 3.0 | 3.0 | 3.2 | 3.7 | 4.0 | 3.1 | 2.6 | 3.1 | 4.1 | 3.6 | 4.3 | | |
| Nuts | 1.4, 2.9 | 1.2, 2.3 | 1.4, 2.5 | 2.3, 3.6 | 2.3, 3.8 | 2.0, 3.9 | 2.6, 3.9 | 2.5, 4.9 | 3.0, 4.9 | 2.0, 4.2 | 2.0, 3.3 | 2.4, 3.8 | 3.1, 5.1 | 2.7, 4.5 | 3.6, 4.9 | <0.001 | <0.001 |
| Savoury Snacks | 15 | 14 | 15 | 12 | 12 | 12 | 14 | 12 | 13 | 14 | 11 | 12 | 14 | 14 | 13 | 0.050 | 0.000 |
| Savoury Shacks | 13, 16 | 13, 16 | 13, 16 | 11, 13 | 11, 14 | 11, 13 | 12, 15 | 11, 14 | 12, 15 | 12, 15 | 10, 13 | 11, 13 | 12, 16 | 12, 15 | 11, 14 | 0.050 | 0.003 |
| n Households | 619 | 585 | 546 | 590 | 566 | 577 | 500 | 494 | 543 | 464 | 495 | 477 | 410 | 433 | 423 | | |
| n People | 1414 | 1342 | 1266 | 1329 | 1285 | 1365 | 1093 | 1058 | 1222 | 1030 | 1088 | 1063 | 930 | 974 | 921 | | |
| n People Weighted ⁶ | 5015 | 4967 | 4952 | 4948 | 4939 | 4906 | 5040 | 5143 | 5181 | 5109 | 5117 | 5111 | 5233 | 5260 | 5186 | | |
| | | | | | | | | | | | | | | | | | |

¹Household and eating out consumption combined, ²See appendices 1 & 3 for methodology; ³From 2006 the EFS moved from a financial year to a calendar year basis. As a consequence of this the January to March 2006 data are duplicated in the 2005/2006 and the 2006 results; ⁴Meat portion only; ⁵Other processed red meat products includes the meat portion of sausages, meat pies, corned beef, burgers and pate and is a component of total red meat; ⁶The results are weighted to the Scottish population - the number provided is approximately 1000th of the Scottish population