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Estimating Food and Drink Elasticities

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Executive Summary

The health and social impacts of food consumption have risen up the policy agenda. Robust and detailed evidence is now needed on how consumption of different foods is related to food prices and household expenditure. In order to be able to model the effects of different scenarios on food and drink purchases by different population groups Defra needs updated and detailed evidence on how UK consumers' food and drink purchases respond to food price and expenditure changes, using existing Family Food Module of the Living Costs and Food Survey data. This data was chosen because it is publicly available and which means that the elasticity estimates provided in this report are open to verification.

The National Food Survey 2000 reports estimates of elasticities of demand using Family Food data. The approach it uses to estimate these elasticities is now recognised to be outdated from both an economic and statistical point of view. Overcoming these shortcomings, this project provides a set of new food demand elasticities that give information on how changes in food prices and food expenditure affect food consumption by the UK population and relevant subgroups. In addition, a set of elasticities is provided that show how changes in food prices and food expenditure affect the intake of various nutrients by the UK population.

The literature review critically examines different models that can be used to estimate demand elasticities, namely the Linear and Quadratic Expenditure System, the Rotterdam model and the Almost Ideal Demand System (AIDS). An advantage of the Rotterdam and the AIDS model is that they allow theoretical restrictions to be tested statistically rather than imposing them directly on the functional form. Several studies that compare the AIDS with other models find the former to be the preferred model. Accordingly, numerous applications of the dynamic and the static version of the AIDS model have been applied to food demand analysis in Europe. An application of the AIDS to food demand in the UK is the National Food Survey 2000. It has some shortcomings with regard to the way it handles zero purchases and the imposition of curvature on the underlying demand function. This project intends to overcome these shortcomings by using the Infrequency of Purchase Model approach and employing Bayesian estimation procedures.

The first part of the project involves providing Defra with a robust model (presented in Part I) for use with aggregated time series data and the means to use it to calculate demand elasticities based on new data as it becomes available from the Family Food Module of the Living Costs and Food Survey. Defra has been provided with code to run the dynamic AIDS using GAUSS software and with the according documentation of the model. Defra is now in a position to obtain short run and long run elasticities for specific product categories and subsamples such as low income households. If new data points become available these can be easily included in the model to keep it up to date. The limitation of this model arises from the fact that it assumes that preferences do not change over time and that the rate at which the food shares return to their equilibrium is set to be common across each of the goods.

The dynamic AIDS (DAIDS) in part I of the project provides information on the extent to which changes in prices and food expenditure influence consumption over time whilst accounting for habit formation and inventory adjustments, i.e. households con-

suming from stocks. The results can be used to simulate policy scenarios that focus on how demand changes in the short and long run in response to price changes. An application of the DAIDS to demand for food and non-food items finds that consumers' responsiveness to changes in the price of non-food items in the long run is very similar to that in the short run. Moreover, we find that an increase in the price of non-food items and the resultant decrease in real income lead households to reduce their food consumption. The application of the DAIDS to the seven main food groups including dairy & egg products, meat, fish, fats & starches, fruit, vegetables and alcohol, finds that expenditure shares for all food groups except meat are affected by seasonality. Furthermore, we find that if the prices of fruits & nuts, alcohol and dairy & egg products increase consumers appear to continue buying these products out of habit despite their higher prices and only in the long run they make the effort to look for cheaper alternatives. Another finding is that as food expenditure rises demand for meat and alcohol rises whereby the demand increase is stronger in the long run than in the short run. The converse is true in the case of the fish, fruits & nuts and vegetable group, demand for which increases more in the short run then in the long run if food expenditure rises.

In part II of the project we estimate the household level AIDS using Family Food Module of the Living Costs and Food Survey data for the years 2001/02 to 2009. The household level AIDS measures the extent to which food price differences influence differences in food consumption between households that are identical in all respects other than the price they face or the food expenditure they have at their disposal. We provide elasticity estimates for Government regions and specific groups at risk of social exclusion such as low income households and households with children. We adopt a hierarchical approach to the estimation of elasticities where at the highest level foods are grouped into broad categories but in lower levels these will be disaggregated into nutritionally meaningful groupings. The detailed coverage of the categories currently available in the Family Food Module of the Living Costs and Food Survey data in the estimation allows us to examine how food demand responds to changes in the prices of specific food groups. We also provide nutrient elasticities that show how households' intake of various nutrients is affected by differences in food prices and in food expenditure. The demand and nutrient elasticity estimates provided in this part of the project can be used to model the effects of different scenarios on food and drink purchases by different population groups in the UK; the precision of the elasticity estimates can be assessed through their standard errors.

One focus of this project is on fruit and vegetable consumption. We find that differences in the own prices of fruits and vegetables tend to have a stronger effect on fruit consumption than on vegetable consumption. We find that the diet of households who face a lower price for fresh vegetables is better in terms of quantity of fresh vegetables consumed than that of identical households that face higher prices for fresh vegetables. The same applies but to a lesser extent to the price of fresh fruits and fruit consumption. Furthermore, households increase their consumption of fish and meat products at the expense of their fruit consumption, if faced with lower prices for fish and meat products. If faced with higher prices for fresh fruits, consumers substitute them with canned fruits and juice and likewise if faced with higher vegetable prices they substitute them with canned produce. The expenditure elasticities reveal that differences in income and therefore in food expenditure result in comparatively larger differences between households in terms of their consumption of vegetables and comparatively smaller differences between house-

holds in terms of their consumption of fruits. Overall, compared to other food groups income has a relatively small impact on the composition of households' diet with regard to fruits and vegetables.

Another focus of this project is on meat demand in low income households. We find that the expenditure elasticities for meat of low income households tend to be for most years lower than those of the total UK population. Because the expenditure elasticities explain to what extent differences in household expenditure explain differences in meat demand we conclude that meat consumption by low income households is less affected by changes in income than it is the case for the total UK population. Moreover, the difference in terms of quantity of meat consumed between households that face different meat prices but are otherwise identical is larger in the case of low income households. Another finding is that meat consumption of low income households is less affected by differences in meat prices than is meat consumption by UK households. Finally, low income households facing higher alcohol prices consume more meat substituting alcohol for meat, whereas UK households in the same situation have a lower meat consumption; and if beef prices are high consumers substitute white meat for red meat.

To measure the impact of price and food expenditure changes on households' nutrient intake we obtain nutrient demand elasticities. A key finding with regard to these nutrient elasticities is that differences in the prices of fats & starch products and of dairy & egg products result in large differences between otherwise identical households with regard to their intake of fats and energy on the one hand but also on their intake of important vitamins and micronutrients on the other hand. This means that while higher prices for these food groups would lead to households consuming less fat and energy, they would also consume less vitamins and micronutrients so that the overall effect of a higher prices for dairy & egg products and fats & starches is ambiguous.

The last part of the report contains a set of five policy scenarios providing examples to Defra on how to use the elasticity estimates obtained from the dynamic AIDS model and the household level AIDS model in the simulation of different policy scenarios.

To aid the understanding of this report, a glossary is enclosed.

1 Project Overview

This section intends to give an overview of the project but also to inform about the two different types of AIDS models that are used. A brief overview of the two models concerned is given in Table 1. It should be noted that while it may be tempting to compare the elasticity estimates of both models with each other, this is not a valid approach because as explained in this section the interpretations of the elasticities obtained from each model are fundamentally different.

The dynamic AIDS (DAIDS) model in part I of this report aggregates data across individual households to obtain a monthly time-series of observations. This model is estimated using Family Food Module of the Living Costs and Food Survey data from 2001/2 to 2009. The estimates of the uncompensated elasticities obtained from the dynamic AIDS model represent the effects of price and expenditure variation on food choice over time and can thus be considered long run and short run estimates of demand response. The underlying ceteris paribus assumption implies that price elasticities describe how demand changes in response to changes in prices with all factors held constant. The model has the advantage that it makes a distinction between short run and long run responses to price and food expenditure changes whilst taking into account the fact that consumers do not respond immediately to price changes due to habit persistence and/or households consuming from stocks and it assumes that current food demand may depend on past food demand.

Table 1: Different types of AIDS models

Dynamic AIDS	**Household level AIDS**
Aggregated time series data	Data at the individual household level
Measures long run determinants of food demand	Detailed examination of factors that influence household decisions
Takes account of difference between short run and long run responses	

Part II reports the results of the household level Almost Ideal Demand System (AIDS). Using observations at the level of the individual household, the estimates of this model measure how cross sectional variation in food prices and food expenditure explain differences in household food consumption. The underlying ceteris paribus assumption means that the elasticities measure the extent to which price differences influence differences in consumption across households that are assumed to be identical in all respects other than that they face a different price. This model is estimated using Family Food Module of the Living Costs and Food Survey data from 2001/2 to 2009 which enables Defra to investigate how price, expenditure and nutrient elasticities have changed over time.

2 Literature Review

Demand models provide information regarding the ways in which consumers will respond to changes in prices, income, and their socio-demographic circumstances. Moreover, they assist in the evaluation of supply side shocks and of policy interventions that are designed to address these problems such as interventions that are targeted at particular socio-demographic groups or more general instruments, such as taxes or subsidies on certain foods. This section critically discusses the different approaches that can be used to obtain food demand elasticities. It inform understanding of existing evidence and the choice of model that is used in this study to estimate price and expenditure elasticities. The basis for literature selected in this review has been the expert knowledge of the research team.

2.1 Data

Different kinds of data can be used to estimate food price and expenditure elasticities in the UK. One example is scanner data as provided by Kantar Worldpanel. This kind of data allows disaggregation at a very high level, for example, according to product brands. For the purpose of this study, however, the Family Food Module of the Living Costs and Food Survey data are entirely sufficient and the fact that the data sets for each year are publicly available means that the elasticity estimates obtained are open to verification.

2.2 Model selection

Empirical studies on demand modelling in the past were based on single equation methods, which suffer from specific limitations. Single equation models fail to recognise that decisions on how to allocate the budget between different goods are taken simultaneously and are therefore connected. Recognising this and formally incorporating an economic model leads to a set of restrictions. Imposing these on the model and estimating the equations jointly so as to recognise the correlation between decisions regarding different goods leads to an increase in efficiency. The linear expenditure system developed by Stone [1954] to represent household demand for various goods overcomes these limitations by including a group of equations, one for each good, in the system and estimating them simultaneously. A restrictive and somewhat unrealistic assumptions of the linear expenditure system is that marginal budget shares are independent of the level of expenditure, so that rich households and poor households spend the same fraction of an extra pound on each good. Specifying demand systems quadratic in expenditure as does the Quadratic Expenditure System by Howe et al. [1979] relaxes the assumption that demand systems are linear in expenditure [Pollak and Wales, 1994]. A study that compares the Quadratic Expenditure System with the AIDS model has been carried out by Katchova and Chern [2004]. Analysing the value and significance of the common coefficient of the two models, they find the AIDS to be a more suitable model than the Quadratic Expenditure System.

Both, the linear expenditure system and its generalisation, the quadratic expenditure system, are derived by algebraically imposing the theoretical restrictions of adding up, homogeneity, symmetry and negativity on a particular functional form. According to Deaton and Muellbauer [1980] an alternative approach is to to use restrictions statistically which means that economic theory is validated by subjecting the theoretical restrictions to statistical tests. The Rotterdam Model and the AIDS are both models that can be estimated with theoretical restrictions easily imposed by the researcher on the parameters

and statistically tested.

The Rotterdam model proposed by Barten [1964] and Theil [1965] uses Marshallian and Hicksian demand functions. Unlike the AIDS model which uses logarithms, the Rotterdam model uses differentials. Limitations of the Rotterdam model are that it does not satisfy integrability conditions which are necessary to derive the fundamental demand equations [Brown and Deaton, 1972, pp.1160-64] and that it imposes constant budget shares meaning that income elasticities do not change as income changes.

The AIDS model can be used to generate systems of demand equations that can be estimated over broadly defined groups of commodities. Budget shares are not assumed constant thus income elasticities change with income changes. Of all simultaneous demand equations systems, the AIDS by Deaton and Muellbauer [1980] has proved most popular in the analysis of consumer behaviour since its inception in 1980. The model has become a staple of demand theory and has been used in numerous empirical studies. The reasons for the popularity of the AIDS are that it is derived from a formal economic model of consumer behaviour; homogeneity and symmetry restrictions depend only on the estimated parameters and are therefore easily tested and/or imposed; it gives an arbitrary first-order approximation to any demand system; it satisfies the axioms of choice exactly; it aggregates perfectly across consumers without invoking parallel linear Engel curves; and it has a functional form which is consistent with known household-budget data [Deaton and Muellbauer, 1980, Alston and Chalfant, 1993, Eales and Unnevehr, 1994].

The Rotterdam Model and the AIDS are similar in that they are both locally flexible functional forms meaning that they are both capable of providing a second order approximation to the behaviour of any theoretically plausible demand system at a point in the price-expenditure space. They also both have identical data requirements, are equally parsimonious with respect to number of parameters, and are linear in parameters [Alston and Chalfant, 1993]. The Rotterdam and the AIDS model can be used to test homogeneity and symmetry through linear restrictions on fixed parameters, yet the AIDS has the advantage of being explicitly derived from utility maximisation [Phlips, 1983]. According to Banks et al. [1997] for goods such as food, the AIDS provides a robust description of consumer behaviour. A study comparing the two model has been carried out by Barnett and Seck [2008]. Using Monte Carlo techniques they recover the true elasticities of demand from the Rotterdam and AIDS model. Barnett and Seck [2008] find that the Rotterdam and the fully nonlinear AIDS models perform well, when substitution among goods is low. They also find that the higher the level of aggregation, the lower the elasticity of substitution among aggregates. Therefore, when modelling consumer demand at the aggregate level, both models may yield correct estimates of the elasticities of substitution and both models perform well when the elasticities of substitutions among goods is moderately high. However, when substitution among all goods is very high, the AIDS model outperforms the Rotterdam model. The Rotterdam model appears better at recovering the true elasticities, when exact aggregation within weakly separable branches of a utility tree is implemented. When attempting to build consistent aggregates, the Rotterdam appears to perform better. Within weakly separable branches of the utility tree, the non linear AIDS model may classify substitutes as complements or overestimate the elasticities of substitution among goods [Barnett and Seck, 2008]. In a study by Alston and Chalfant [1993] the AIDS model is rejected in favour of the Rotterdam model.

These findings are, however, refuted by Lafrance [1998] who shows that the least squares test used by Alston and Chalfant is biased. Another study comparing the AIDS and the Rotterdam model was carried out by Erkan [2006]. Using a model selection procedure by Amemiya [1985] the author concludes that the AIDS is superior to the Rotterdam model. Investigating consumer demand in Taiwan, Lee et al. [1994] test alternative differential demand models combining the features of the Rotterdam model and the AIDS. They find AIDS-type demand responses to describe Taiwanese consumer behaviour better than other specifications.

2.3 The dynamic and household level AIDS

There are two different versions of the AIDS model. The static AIDS is estimated on individual household data which make use of the demographic detail and extensive variation in expenditure levels between households. It implicitly assumes that there is no difference between short and long run behaviour, such that the consumer is always in equilibrium. By contrast, the dynamic AIDS is estimated on time series data and makes use of the variation in expenditure over time. It takes into account that many factors such as habit persistence, imperfect information and incorrect expectation, often cause the consumer to be out of equilibrium until full adjustment takes place [Anderson and Blundell, 1984]. The dynamic AIDS model specifies how demand system parameters change over time. A general procedure for obtaining a dynamic specification of a demand system originally proposed by Stone [1954] in the context of the linear equation system is to allow some or all of its parameters to depend on past consumption. Houthakker and Lester [1966] proposed and estimated a model in which past consumption influences consumption patterns through a state variable which they interpret as a psychological stock of habits. Blanciforti and Green [1983] incorporate habit effects which allows to examine the temporal relationships between price and income elasticity estimates. They find that habit formation is the reason for the autocorrelation found in the residuals of the demand equations. These type of effects can be modelled using lagged dependent variables in the dynamic regression. The inclusion of lagged dependent as independent variables further avoids the problem of spurious regressions (regressions where the error has a trend).
Time series variables that are linked by a stable long run relationship but whose difference constitutes a stationary time series are called cointegrated variables. Pesaran and Shin [1995] propose a cointegration approach to the estimation of the DAIDS model based on the Vector Error Correction model. They show that this model can be used to test the existence of a long-run relationship between underlying variables and to provide consistent, unbiased estimators of long-run parameters provided the AIDS model represents a cointegrated relationship, where all the variables are difference stationary. However, their approach did not enable the imposition of curvature restrictions which are important for the stability of sample estimates.

2.4 Applications of the AIDS to food demand in Europe

Our literature review finds several application of the dynamic AIDS models to food demand in Europe. Accounting for habit formation and inventory adjustments, Molina [1994] examine food demand in Spain from 1964-1989. They find that bread, cereals, meat, fish, milk and eggs are necessities where as vegetables and fruits are luxuries though most of the elasticities are close to unity. Several studies have a focus on meat and/or fish demand. [Burton, 1992] observe variation in meat and fish consumption in Britain since

1960. By incorporating systematic demand shifters they decompose variation in consumption into changes which are due to changes in relative prices and expenditure and those which may be attributable to shifts in consumer preferences and find that tastes changed in recent years in favour of chicken and fish and against red meats. Likewise, Klonaris [2001] who estimate the DAIDS for meat demand in Greece, find evidence of a gradual change in consumption in the 1980s away from beef, lamb, and mutton towards pork and chicken. Looking at retail demand for fish in the UK, Fousekis and Revell [2004] find haddock, salmon, flatfish, shellfish, and smoked fish to be expenditure elastic, implying that income growth will strongly increase demand for these species. Jaffry and Brown [2008] examine demand for canned tuna in the UK between 1995 to 1999. They find all products to have negative and inelastic own price elasticities; tuna in brine and sauce to be a normal good, while tuna in oil was demonstrated to be a luxury good with the latter being a substitute for tuna in sauce. Two studies examine the effects of advertising and food scares on food demand. A DAIDS study with a focus on the effects of advertising on demand for fresh vegetables in Norway by Rickertsen et al. [1995] finds no significant positive effects of advertising on vegetable consumption. Mazzocchi et al. [2006] examine the effects of the BSE crisis (1996 and 2000) and the 1999 Dioxin crisis on food demand in Italy. They find that while the dioxin crisis had only a small effect on meat consumption, the BSE scares led to a structural shift in preferences measured by a decrease in the beef expenditure share which has been absorbed by chicken expenditure.

Our literature review of applications of the static AIDS to food demand in Europe finds numerous studies. Examples include Fulponi's [1989] analysis of French food and meat demand; Mergos and Donatos's [1989] study of Greek food demand; and a study by Moro and Sckokai [2000] who use a Quadratic AIDS to investigate whether the socio-demographic structure of the population is a determinant of trends in food consumption in Italy. Studies with reference to the UK have been carried out inter alia by Burton et al. [1996] who use Family Expenditure Survey data for the period 1973 to 1993 to look particularly at meat consumption by single adult households. They find the effects of socioeconomic characteristics on meat demand to vary markedly over the period under investigation and trends with respect to the age and gender of the householder are discernible. Introducing a Bayesian method of estimating multivariate sample selection models Tiffin and Arnoult [2010] examine food demand in the UK whilst accounting for censoring arising from infrequency of purchase. Their results emphasise the role played by low incomes and socio-economic circumstances in leading to poor diets and also indicate that the presence of children in a household has a negative impact on dietary quality. Thus, in our study we particularly look at food demand by low income households and by households with children by estimating elasticities for these two subsamples amongst others.

2.5 The National Food Survey 2000

Like the present study, the National Food Survey 2000 reports annual estimates of elasticities of demand for a range of food groups in the UK until 1989. The approach used to estimate these elasticities was recognised to be inappropriate from both an economic and statistical perspective. From the economic perspective the lack of connection to a formal economic model and the failure to account for the complex interrelationships that exist between demands for related food products were recognised as being significant flaws. The final report for the National Food Survey [HMSO, 2004] once again reported estimates

of price and income elasticities. The approach adopted sought to address the flaws that were identified in the earlier work by estimating an AIDS [Deaton and Muellbauer, 1980]. Nevertheless, the National Food Survey 2000 does not take account of two important issues described hereafter.

The first issue is the incidence of zero purchases, so called censoring, which occurs for some food products and some households. The National Food Survey 2000 does not take account of censoring in the demand model estimation. However, the behavioural information contained in censored observations has significant econometric as well as economic implications. There are two explanations for why censoring might occur. The first explanation is that prices and/or income levels combined with consumer preferences are such that the good is unattractive. This is sometimes referred to as a corner solution and can be modelled with the Tobit model [Tobin, 1958]. Studies using this approach to model zero observations have been carried out by for example Yen [1993], Garcia and Labeaga [1996], Burton et al. [1996], Burton et al. [2000] and Aristei and Pieroni [2008].

A second explanation for censoring, which we assume in our model is that censoring occurs in the demand system because a particular good has not been purchased by a household during the time that it is surveyed as it is consuming from stocks purchased in other time periods. This is referred to as infrequency of purchase and has been used in several studies [Cragg, 1971, Blundell and Meghir, 1987, Tiffin and Arnoult, 2010]. Whilst allowing for both infrequency of purchase as well as true corner solutions would be preferable, such an approach introduces an identification problem since the source of a zero may be either a non-purchase, a corner solution or both. Previous work on the Family Food Module of the Living Costs and Food Survey data showed that this so called infrequency of purchase model approach is better to model zero observations in the Family Food Module of the Living Costs and Food Survey data than for example the tobit model which assumes that a good was not consumed because the combination of prices, income and preferences rendered the good unattractive [Arnoult and Tiffin, 2008]. The infrequency of purchase model used in this study to accommodate censoring draws on Blundell and Meghir [1987]. A detailed description of the model is given in Appendix B. The underlying assumption of the model is that latent consumption for all goods is non-zero which effectively means that we assume all censoring to be the result of infrequency of purchase.

The second issue not addressed by the National Food Survey 2000 in the elasticity estimation is related to curvature of the underlying function representing demand preferences. Imposing concavity is important because its absence can lead to implausible results such as positively sloping demand functions and unrealistic patterns of substitution. The imposition of inequality restrictions arising from the curvature in the AIDS can be difficult to deal with however, especially using classical methods. HMSO [2004] focuses on the imposition of only those restrictions that can be imposed through the use of linear equalities: symmetry, homogeneity and adding-up. By contrast, concavity, which necessitates the use of non-linear inequality restrictions, is ignored.
A number of approaches to imposing curvature are reported in the literature including the use of constrained least squares or maximum likelihood and numerical Bayesian approaches. The majority of these approaches, including Tiffin and Aguiar [1995] and Tiffin and Tiffin [1999], impose the restriction at a single point in the sample. This approach is

referred to as local concavity. Gallant and Golub [1984] argue that it is more reasonable to impose curvature at all of the points used in the estimation of the model whilst Terrell [1996] proposes an alternative in which curvature is imposed over a grid which covers the region in which inferences are to be made. Tiffin et al. [2010] offer a straightforward and efficient way of handling the imposition of curvature in a way which results in adherence beyond a single point in the sample, as advocated by Gallant and Golub [1984] making the model more appropriate for simulation over a range of prices and incomes.

Details of the household level AIDS model we estimate are given in Appendix A. Unlike the National Food Survey 2000 it addresses both censoring and curvature in the estimation of the elasticities. In addition, we adopt a hierarchical approach to the estimation of elasticities [Edgerton, 1997]. Thus, in this report we provide more detailed information than has been done by the National Food Survey 2000 on how sensitive UK consumers' purchases of specific food and drink product categories are to price and expenditure changes. The approach allows a more detailed coverage of the food and drink categories currently available in the Family Food Module of the Living Costs and Food Survey data. At the highest level, foods are grouped into seven very broad categories but at lower levels these are disaggregated into nutritionally meaningful groupings. A hierarchical approach is key to uncovering demand reactions to food price changes, especially in the fruit and vegetable and meat groups. Cross-price elasticities in a disaggregated model may reveal important substitution possibilities in these subgroups.

A recent development in the literature has been to measure the impact of price and expenditure changes on nutrient intakes by converting the demand elasticities to nutrient demand elasticities. These nutrient elasticities provide information on how intake of specific nutrients, such as saturated fat or protein, may change as a result of changes in price and expenditure. The technique developed by Huang [1996] and Huang [1999] can be used to link the demand model to nutrient availability. The basic premise of this approach is that changes in the price of a particular food or in total expenditure affect the consumption of all food items and therefore simultaneously change intakes in a variety of different nutrients.

To conclude, the AIDS model was chosen as the most appropriate model in this study because as stated above it is derived from a formal economic model of consumer behaviour; homogeneity and symmetry restrictions depend only on the estimated parameters and are therefore easily tested and/or imposed; it gives an arbitrary first-order approximation to any demand system; it satisfies the axioms of choice exactly; it aggregates perfectly across consumers without invoking parallel linear Engel curves; and it has a functional form which is consistent with known household-budget data. Moreover, because the Family Food Module of the Living Costs and Food Survey collects data for each households over a period of two weeks only there are zero observations in the data that arise because consumers consume from stocks. Taking this into account, we use the infrequency of purchase model. Finally, to avoid implausible results such as positively sloping demand functions and unrealistic patterns of substitution we impose concavity using non-linear inequality restrictions.

3 Part I: Dynamic AIDS Model

The first part of the project consists of providing Defra with a DAIDS model and the means to use it to calculate new price elasticities based on new data as it become available. The data in the DAIDS consists of the cross sectional observations of the Family Food Module of the Living Costs and Food Surveys 2001/02 to 2009 aggregated over monthly periods to give a single observation for each month which represents food consumption in all households in the survey. The model takes into account the fact that the responsiveness of food demand to changes in food expenditures and food prices is not always instantaneous. It assumes that consumers do not respond immediately to price changes due to habit persistence and/or inventory adjustment behaviour on the part of consumers and it assumes that current food demand may depend on past food demand. The DAIDS assumes that the preferences that underpin the construction of the model are stable with respect to time. Should this be the case, then the time series approach which aggregates over all consumers, will provide robust estimates that characterise both short run and long run responses. The model provided to DEFRA is relatively easy to update and quick to run given new data. By providing this model, DEFRA can update their estimates on a periodic basis. This model has been chosen because it is both quick and stable to estimate. Its limitations arise from the fact that it assumes that preferences are stable over time. Moreover, the rate at which the system returns to equilibrium is set to be common across goods in each model, however, without this assumption estimation imposing symmetry restrictions can become intractable. Other models may, under some circumstances, have superior or more general theoretical properties in a number respects. First, they may have more flexible functional forms and longer and more complex lag structures. Second, models may explicitly take into account stochastic trends in the data, either by testing and imposing restrictions within a vector-autoregressive framework. Alternatively, they may have parameters that evolve through time. However, in each case these models may require further parameters to be estimated, pretests that determine the precise nature of the model for each data set, and/or may impose other conditions that are inconsistent with the data. Such models require much more time to estimate and greater expertise by the user, and may ultimately produce less robust results.

A description of the DAIDS model, the Bayesian estimation procedure and the computation of elasticities is given in the DAIDS documentation which has been provided to Defra alongside the GAUSS code for Defra to run the model. Defra is now in a position to obtain short run and long run elasticities for specific food groups and subsamples such as low income households. Moreover, if new data points become available these can be easily included by Defra in the model to keep it up to date.

3.1 Interpretation of Results from the DAIDS Model

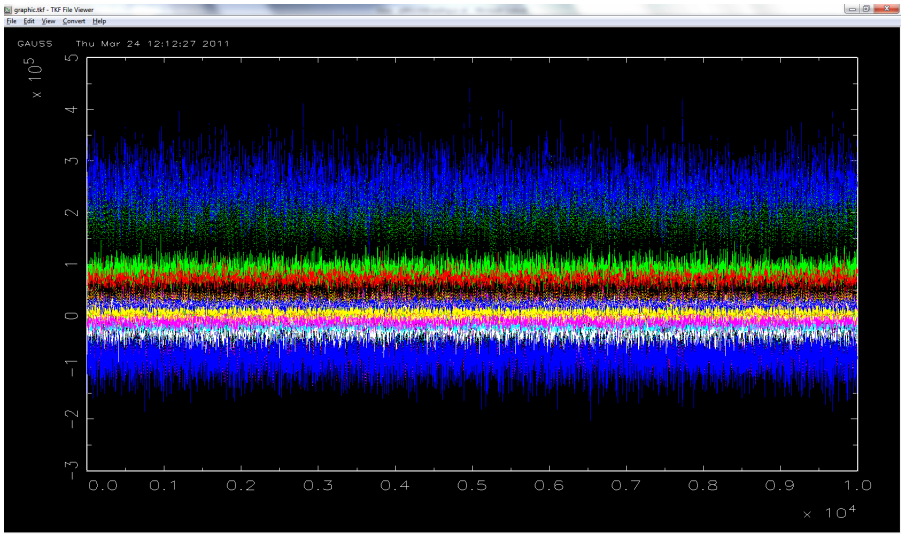
To assist Defra with the interpretation of the results produced by the DAIDS model this section discusses selected results obtained from the DAIDS model using monthly data from April 2001 to December 2009. The short run elasticities refer to a time period of one month and the long run elasticities refer to a time period of a year. In general it is expected that the long run elasticities are larger than the short run elasticities. The reason being that if the price of a product increases, consumers will at first continue buying the product with the higher price out of habit. However, once they realise that the price rise is permanent they will make an effort and look for alternatives. In addition,

more substitutes are usually available in the long run. Hence, demand for most products is expected to be more elastic in the long run than in the short run. The elasticities obtained from the DAIDS are uncompensated elasticities. For an explanation on how these differ from the compensated elasticities the reader is referred to section 5.

3.1.1 Results of the Food and non-Food Model

The results of the DAIDS for the food and non-food groups are reported in Table 2 which shows the short and long run uncompensated price and expenditure elasticities and their standard deviations. To estimate the model we use Bayesian estimation procedures where Markov Chain Monte Carlo (MCMC) repetitions of the estimation procedure provide a set of 10,000 individual estimates of the parameters of the model representing the range of plausible values that are supported by the data. The MCMC approach permits precision to be assessed through the use of standard deviations from the Monte Carlo Simulation. For a detailed description of the Bayesian estimation procedures the reader is referred to Appendix C. Figure 2 plots the number of repetitions against the ergodic means of the parameters and indicates that the model has converged. The ergodic mean is the mean of the generated values until the current iteration. A model that has converged should have stationary ergodic means as depicted in Figure 1.

Figure 1: Example of a converged model with the trace plot fluctuating around a stable mean



Looking at the standard deviations, we find that with the exception of the own price elasticity of food, the short run elasticity estimates are significantly different from zero because the elasticity estimates divided by their standard deviations have a t-value greater than 1.96. The only significant long run elasticity estimates are the own price elasticity of the non-food group and its expenditure elasticity.

Table 2: Short and Long run elasticities - Food & Non-Food Model

	Short run elasticities				**Long run elasticities**		
	Food	Non-Food	Expend.		Food	Non-Food	Expend.
Food	-0.073	-0.634*	0.706*	Food	-1.016	0.300	0.716
	(0.142)	(0.196)	(0.135)		(0.620)	(0.744)	(0.443)
Non-food	0.005*	-0.996*	1.002*	Non-Food	0.000	-1.002*	1.002*
	(0.001)	(0.001)	(0.001)		(0.004)	(0.005)	(0.003)

* The approximate 95% Bayesian confidence interval excluded zero.

In our discussion we focus on the significant elasticity estimates. As expected, the own price elasticities of the non-food group are larger in the long run than they are in the short run. They indicate that demand for non-food items is own price inelastic in the short run and own price elastic in the long run. However, the difference between the two elasticity estimates is very small suggesting that consumers' responsiveness to changes in the price of non-food items in the long run is very similar to that in the short run. The short run cross price elasticities further reveal that non-food and food items have a complementary relationship in the short run where a 1% increase in the price of non-food items leads to a 0.6% quantity reduction of food consumed. The large expenditure elasticity of non-food items (1.002) indicates that this reduction in food consumption is mainly due to a reduction in real income. By contrast, a change in the price of food items only marginally affects demand for non-food items in the short run. The expenditure elasticities of the non-food group are the same in the long run and in the short run suggesting that consumers' response to changes in expenditure in terms of quantity of non-food items consumed is the same in the long run and in the short run. Moreover, the expenditure elasticities indicate that non food items are expenditure elastic goods both in the short run and in the long run meaning that spending on non-food items increases as a proportion of real income as consumer real incomes increase. Finally, the short run expenditure elasticities of food items indicate inelastic demand which means that even if their real income was to increase consumers would continue to purchase significant quantities of food items where a 1% decrease in income would lead to a 0.7% reduction of the quantity of food consumed.

3.1.2 Results of the Level 1 Model

This section discusses the DAIDS results of the level 1 model which consists of the seven main food groups. The parameter estimates presented in Table 3 are used to compute the elasticities. All the coefficients of seasonal dummy variables ($s1, ..., s11$) are significant in the budget share equations for dairy & eggs and fats & starches and they are significant for most of the coefficients of the budget share equations of fish, fruits, vegetables and alcohol. Only the budge share equation for meat has no significant dummy variables. Hence, there is marked seasonal variation in expenditure on all food groups except for meat. The long run and short run uncompensated elasticities of the level 1 model and their standard deviations are reported in Tables 5 and 4, respectively. The top row shows the food groups affected by a price change whilst the first column shows the food groups whose quantities consumed changes as a result of a price change.

This discussion is limited to the significant elasticity estimates. In both the short run

and long run elasticity matrices, all own-price elasticities are negative and significant, which is consistent with economic theory. The own price elasticities further reveal that demand for the fruits & nuts group and for alcohol is inelastic in the short run and elastic in the long run. Similarly, while being inelastic in the short run, demand for dairy & egg products is almost unit elastic in the long run. This implies that consumers' price responsiveness is stronger in the long run then in the short run in the case of fruits & nuts, alcohol and the dairy & egg products. Hence, if the price of fruits & nuts, alcohol and the dairy & egg products increases consumers may continue buying the product with the higher price out of habit and only at a later point in time make an effort and look for alternatives.

The short run cross price elasticities between the meat group and the fats & starches group are of a similar magnitude as the long-run elasticity indicating only small changes in consumers' responsiveness to changes in the price of fats & starches between the short and long run in terms of a change in demand for meat.

Because the Family Food Module of the Living Costs and Food Survey contains only information about the amount of money that households spend on food, we can only derive the expenditure elasticities. However, these do give an indication of the pattern of responses that would be observed if we were measuring the impact of a difference in income on demand though the magnitude of the response to a difference in income is likely to be smaller than the response to a change in expenditure. The pattern of response would however be preserved. If it is assumed that the income elasticity of all food expenditure is one, the expenditure elasticities are equivalent to income elasticities. Looking at the long run expenditure elasticities in Table 4 meat, fats & starches are all expenditure elastic, indicating that these are classified as luxury goods meaning that as household incomes increase the demand for these food groups expands even more rapidly. Comparing short and long run elasticities we find that the short run expenditure elasticities of the dairy & eggs group and the fats & starches group are similar to the long run elasticities indicating that consumer demand for these food groups changes little in response to changes in food expenditure between the short and long run. Demand for the meat group and for alcohol is more expenditure elastic in the long run than in the short run indicating that increased food expenditure leads to increased demand for meat and alcohol with the demand increase being stronger in the long run than in the short run. The converse is true for the remaining food groups, fish, fruits, and vegetables, demand for which increases more in the short run then in the long run as a result of an increase in food expenditure. It may be the case that purchase of fish, fruits and vegetables is less a matter of habit but more of a concious purchase decision with consumers being more aware of the existence of substitutes.

For a comparison of these results with some of the results of the National Food Survey 2000 the reader is referred to Section 6.

Table 3: DAIDS parameter estimates - Level 1

Parameter	Dairy & Eggs	Meat	Fish	Fruits	Veg.	Fats & Starch.	Alc.
int	0.149*	0.070*	0.012*	0.085*	0.076*	0.349*	0.037*
tim	0.000	0.000	0.000	0.000	0.000	0.000	0.000
s1	-0.009*	-0.002	-0.001	-0.005	-0.003	0.009*	0.011*
s2	-0.006	-0.002	-0.002*	-0.004	-0.004*	0.011*	0.007
s3	-0.008*	-0.002	-0.001*	-0.005	-0.003	0.007	0.011*
s4	-0.008*	-0.001	-0.001	-0.009*	-0.005*	0.012*	0.012*
s5	-0.007*	-0.002	-0.001*	-0.006	-0.005*	0.010*	0.012*
s6	-0.009*	-0.001	-0.002*	-0.007*	-0.005*	0.013*	0.012*
s7	-0.007*	-0.003	-0.001*	-0.006*	-0.008*	0.011*	0.015*
s8	-0.011*	0.001	-0.002*	-0.010*	-0.005*	0.009*	0.019*
s9	-0.003*	0.000	-0.001*	-0.005*	-0.002	0.011*	0.000
s10	-0.011*	-0.003	-0.001*	-0.007*	-0.006*	0.013*	0.014*
s11	-0.016*	-0.001	-0.001*	-0.007*	-0.008*	0.012*	0.021*
lg_p1	-0.004	-0.004	0.006	0.028*	0.005	-0.030	0.000
lg_p2	-0.004	0.030*	0.003	-0.001	0.007	-0.029*	-0.006
lg_p3	0.006	0.003	0.003	-0.006*	-0.001	-0.005	-0.001
lg_p4	0.028*	-0.001	-0.006*	-0.035*	-0.003	0.023	-0.007
lg_p5	0.005	0.007	-0.001	-0.003	0.024*	-0.034*	0.002
lg_p6	-0.030	-0.029*	-0.005	0.023	-0.034*	0.061*	0.014
lg_p7	0.000	-0.006	-0.001	-0.007	0.002	0.014	-0.002
Inc1	-0.023	0.010	-0.004*	-0.021	-0.021*	0.005	0.054*
dp1	0.079*	0.000	0.001	-0.003	-0.008	-0.051*	-0.018*
dp2	0.000	0.022	0.006	0.007	0.009	-0.036*	-0.008
dp3	0.001	0.006	0.003	-0.001	0.000	-0.007*	-0.001
dp4	-0.003	0.007	-0.001	0.012	-0.006	0.003	-0.011
dp5	-0.008	0.009	0.000	-0.006	0.023*	-0.023*	0.005
dp6	-0.051*	-0.036*	-0.007*	0.003	-0.023*	0.110*	0.004
dp7	-0.018*	-0.008	-0.001	-0.011	0.005	0.004	0.030*
dInc1	-0.021*	0.006	-0.002*	-0.010	-0.017*	0.010	0.034*
y1(-1)	0.223*	0.000	0.000	0.000	0.000	0.000	0.000
y2(-1)	0.000	0.223*	0.000	0.000	0.000	0.000	0.000
y3(-1)	0.000	0.000	0.223*	0.000	0.000	0.000	0.000
y4(-1)	0.000	0.000	0.000	0.223*	0.000	0.000	0.000
y5(-1)	0.000	0.000	0.000	0.000	0.223*	0.000	0.000
y6(-1)	0.000	0.000	0.000	0.000	0.000	0.223*	0.000
y7(-1)	0.000	0.000	0.000	0.000	0.000	0.000	0.223*

* The approximate 95% Bayesian confidence interval excluded zero.

Table 4: Long run elasticity estimates - Level 1

	Dairy & Egg	Meat	Fish	Fruit & Nuts	Veg.	Fats & Starches	Alcohol	Expend.
Dairy & Eggs	-0.999*	-0.014	0.040	0.204*	0.048	-0.133	0.008	0.846*
	(0.144)	(0.074)	(0.022)	(0.091)	(0.061)	(0.103)	(0.084)	(0.081)
Meat	-0.087	-0.582*	0.041	-0.026	0.084	-0.482*	-0.088	1.14*
	(0.16)	(0.19)	(0.05)	(0.119)	(0.111)	(0.128)	(0.098)	(0.079)
Fish	0.558*	0.292	-0.701*	-0.434*	-0.01	-0.256	-0.086	0.638*
	(0.287)	(0.304)	(0.202)	(0.214)	(0.212)	(0.231)	(0.168)	(0.142)
Fruits & Nuts	0.375*	0.013	-0.061*	-1.381*	-0.012	0.382	-0.073	0.757*
	(0.164)	(0.099)	(0.03)	(0.167)	(0.095)	(0.154)	(0.122)	(0.131)
Veg.	0.117	0.115	-0.003	-0.009	-0.652*	-0.323*	0.033	0.722*
	(0.119)	(0.101)	(0.032)	(0.103)	(0.104)	(0.113)	(0.087)	(0.094)
Fats & Starches	-0.089	-0.085*	-0.014	0.065	-0.098*	-0.833*	0.039	1.015*
	(0.047)	(0.027)	(0.008)	(0.040)	(0.026)	(0.061)	(0.043)	(0.045)
Alcohol	-0.269	-0.284	-0.054	-0.351	-0.099	-0.277	-1.122*	2.456*
	(0.353)	(0.190)	(0.054)	(0.288)	(0.189)	(0.419)	(0.416)	(0.447)

* The approximate 95% Bayesian confidence interval excluded zero.

Table 5: Short run elasticity estimates - Level 1

	Dairy & Egg	Meat	Fish	Fruits & Nuts	Veg.	Fats & Starches	Alcohol	Expend.
Dairy & Egg	-0.568*	0.009	0.006	-0.001	-0.030	-0.216*	-0.09*	0.889*
	(0.092)	(0.053)	(0.015)	(0.06)	(0.046)	(0.07)	(0.039)	(0.044)
Meat	-0.015	-0.76*	0.06	0.067	0.095	-0.428	-0.088*	1.069*
	(0.113)	(0.141)	(0.036)	(0.085)	(0.084)	(0.089)	(0.052)	(0.042)
Fish	0.089	0.382	-0.78*	-0.053	-0.001	-0.411	-0.065	0.839*
	(0.199)	(0.214)	(0.131)	(0.152)	(0.165)	(0.158)	(0.09)	(0.075)
Fruits & Nuts	-0.006	0.069	-0.008	-0.883*	-0.049	0.063	-0.098	0.913*
	(0.106)	(0.07)	(0.021)	(0.118)	(0.07)	(0.113)	(0.069)	(0.071)
Veg.	-0.045	0.110	0.000	-0.045	-0.745*	-0.153	0.055	0.823*
	(0.09)	(0.078)	(0.025)	(0.077)	(0.086)	(0.086)	(0.05)	(0.051)
Fats & Starches	-0.118*	-0.081*	-0.016*	0.003	-0.053*	-0.766*	0.008	1.023*
	(0.031)	(0.019)	(0.005)	(0.028)	(0.02)	(0.046)	(0.025)	(0.025)
Alcohol	-0.519*	-0.225*	-0.034	-0.313*	0.024	-0.232	-0.416*	1.714*
	(0.165)	(0.102)	(0.028)	(0.162)	(0.104)	(0.242)	(0.156)	(0.235)

* The approximate 95% Bayesian confidence interval excluded zero.

4 Part II: Household Level AIDS Model

4.1 Elasticity Computation

This section describes the procedures that are used to compute the price, expenditure and nutrient elasticities. The coefficients that are used to compute the elasticities are obtained from the household level AIDS model (Appendix A) which is estimated using the infrequency of purchase approach (Appendix B) and Bayesian estimation procedures (Appendix C).

4.1.1 Price and expenditure elasticities

The uncompensated price elasticities are calculated as

$$\epsilon_{ij} = -\delta_{ij} + \frac{\bar{\gamma}_{ij}}{\bar{w}_i} - \bar{\omega}_i \frac{\bar{s}_j}{\bar{s}_i} \tag{1}$$

where $\bar{\gamma_{ij}}$ and $\bar{\omega_i}$ are the means of the draws in the MCMC sample corresponding to the parameters defined in equation 27; $\bar{s_i}$ is the mean value of the i^{th} share across all observations in the data set; and

$$\begin{aligned} \delta_{ii} &= 1 \\ \delta_{ij} &= 0 \; i \neq j \end{aligned} \tag{2}$$

The expenditure elasticities were calculated as

$$\epsilon_i = 1 + \frac{\omega_i}{s_i} \tag{3}$$

and the compensated (Hicksian) price elasticities were calculated as

$$\epsilon^{\star}_{ij} = -\delta_{ij} + \frac{\bar{\gamma}_{ij}}{\bar{s}_i} + \bar{s}_j \tag{4}$$

The price elasticities obtained from a given estimated model assume that expenditure allocation within groups is performed independently meaning that expenditure on a certain food group within that model remains constant as the price change takes place. For example, the own price elasticity for beef, which is obtained from the meat system, assumes that the total expenditure on all types of meat in the model remains constant. Since a decrease in the price of beef is likely to induce consumers to spend more on all types of meat, this assumption is generally unrealistic. Assuming weak separability of consumer preferences and low variability of group price indexes with expenditure allows combining estimated conditional elasticities to obtain unconditional elasticities over stages and modelling conditional demand at each budgeting stage independently [Edgerton, 1997]. Conditional elasticities therefore assume that expenditure is constant within the group of which the good in question is a member. The conditional elasticities allow, for example, the nominal expenditure on meat to change as a result of a change in the price for beef. Accordingly, in this study the uncompensated conditional elasticities of the level 1 and level 2 models are combined to obtain overall unconditional elasticities reported in Appendix G.2. Following Edgerton [1997], the unconditional expenditure elasticities are calculated from the conditional elasticities as follows

$$E_i = E_{(m)i} \bullet E_{(m)} \tag{5}$$

where $E_{(m)i}$ is the conditional expenditure elasticity of the food i within food group m and $E_{(m)}$ is group expenditure elasticity for the mth food group. This formula can be used to convert expenditure elasticities to income elasticities. If it is assumed that the income elasticity of all food expenditure is one, the expenditure elasticities are equivalent to an income elasticity. If the income elasticity of food differs from one, it provides a factor by which the expenditure elasticity can be adjusted to obtain the income elasticity of the good in question.

The total uncompensated price elasticity for the ith food (in the mth group) can be written as

$$e_{ij} = \delta_{mn} e_{(r)ij} + E_{(m)i} w_{(n)j} e_{(m)(n)} \tag{6}$$

where δ_{mn} is Kronecker delta equal to 1 for $m = n$ and 0 otherwise; $e_{(r)ij}$ is the within group price elasticity between the ith and jth food within the mth food group; $w_{(n)j}$ is the budget share of food j within food group n; and $e_{(m)(n)}$ is the uncompensated group price elasticity for the mth and nth food group.

4.1.2 Nutrient elasticities

Given the demand structure for food and the bundle of nutrient attributes each food product contains, it is possible to derive the implied relationship between nutrient availability and changes in food prices and food expenditure [Huang, 1996, 1999]. The basic premise of the approach in Huang [1996] is that changes in the price of a particular food or in food expenditure will affect the consumption of all food items and will simultaneously change intakes in a variety of different nutrients. The nutrient demand elasticity matrix, N, for the case of l nutrients and n foods can be obtained as a product of multiplying matrix S by matrix D as follows

$$N = S * D \tag{7}$$

where N is the $l \times (n+1)$ matrix of nutrient demand elasticities in response to changes of food prices and food expenditure; S is the $l \times n$ matrix with entries of each row indicating a food's share of a particular nutrient; and D is the $n \times (n+1)$ matrix of demand elasticities. In the present study the procedure is applied to estimate nutrient elasticities of the level 1 model which are elasticities for $l = 45$ nutrients in response to changes in the prices of $n = 7$ main food group prices plus food expenditure. Information on nutrient values of each MAFF code is compiled from the EFS 2003-04 conversion table. The results for all nine data sets are reported in Appendix I, a selection of which are discussed in detail in section 5.5.

4.2 Data and Aggregation

The data used in this study is the UK Government's Family Food Module of the Living Costs and Food Survey from April 2001 to December 2009. Participating households voluntarily record food purchases for consumption at home for a two week period using a food diary. The data is stratified by Government Office Region, socioeconomic group, and car ownership. The survey is carried out throughout the UK and throughout the year in order to capture seasonal variations. Households were excluded from the sample if they did not consume any of the food groups in a model. Models are estimated at different levels of aggregation as reported in Table 6. The sample sizes of the respective models are reported in Appendix D.

At level 1, price elasticities are estimated for the main food groups, namely dairy & eggs, meat, fish, fruit & nuts, vegetables, fats & starches, and alcohol. At level 2, the main food groups except alcohol are disaggregated into a total of 28 food subgroups so as to uncover demand reactions to food price changes. For these 28 subgroups the unconditional uncompensated elasticities are computed. At level 3, selected food subgroups including beef, lamb, pork, poultry, other meat, fresh fruits, and fresh vegetables are further disaggregated into nutritionally meaningful groupings.

The level 1 model was further estimated for selected subsamples including England, England & Wales, Scotland, Northern Ireland, households with children and households in the lowest income quintile. Finally, nutrient elasticitities are estimated for the level 1 model.

Table 6: Aggregation of food groups

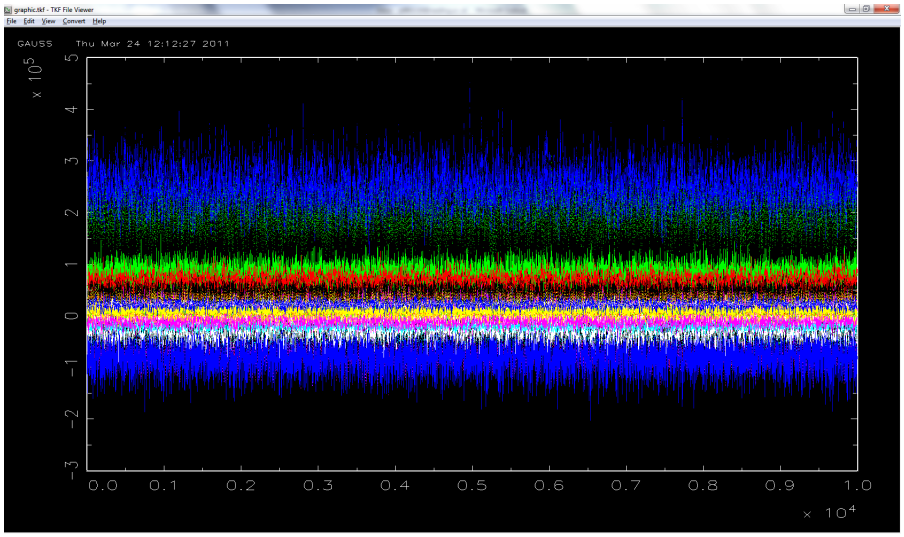
Level 1	**Level 2**	**Level 3**
Dairy & Egg	Cheeses	
	Eggs	
	Cream	
	Milk	
	Other	
Meat	Beef	Joints, Cheap Steak, Expensive Steak, Mince, Other & Veal
	Lamb	Mutton, Joints, Chops, Other
	Pork	Joints, Chops, Fillets & Steaks, Other
	Poultry	Chicken, Turkey, Other, Cooked & Takeaway
	Other meat	Liver, Canned & Frozen, Processed & Takeaw., Ready meals
	Bacon & Ham	
	Sausages	
Fish	Salmon	
	Bluefish	
	Other fish	
Fruit & Nuts	Fresh	Citrus, Apples & Pears, Bananas, Grapes, Other
	Tin & Dry	
	Nuts	
	Juice	
Vegetables	Fresh	Brassica, Root crops, Lettuce, Legumes, Oth., Onions, Tomato
	Canned	
Fats & Starches	Potatoes	
	Sweets	
	Starch	
	Drinks	
	Other	
	Fat	
Alcohol		

4.3 Model Evaluation

Before discussing the elasticity estimates, the results are evaluated with regard to sampler convergence, model robustness and significance of the elasticity estimates. Monitoring

sampler convergence is an important part of the Bayesian estimation approach. In order to determine whether the sampler has reached its stationary distribution trace plots are examined. These plot the parameter value at iteration t against the iteration number. An iteration is one of the 10,000 repetitions we use to estimate the model. If the model converges, the trace plot fluctuates around a stable mean of the distribution as depicted in Table 2, whereas it displays some trending in the sample space if the model fails to converge.

Figure 2: Example of a converged model with the trace plot fluctuating around a stable mean



For the majority of models in this report the sampler converges. Only the models for Northern Ireland for the years 2004/05 and onwards, and the model for households with children for the year 2002/03 do not converge. These estimates cannot be used for policy simulations.

As regards the robustness of the results, we generally observe a high level of consistency in the results between years and where applicable between subsamples and therefore conclude that the results in this study are robust.

Significance of the elasticities can be evaluated by using the standard deviations to calculate the 95% credible interval for each elasticity estimate which gives the boundaries of the interval within which the posterior probability of finding the elasticity of interest is 95%. While the majority of compensated elasticity estimates are significant, the proportion of significant estimates in the uncompensated elasticties tends to be slightly lower. The reason for this discrepancy is that the equation for the compensated elasticities (equation 4) involves fewer parameters than the equation for the uncompensated price elasticities (equation 1). The proportion of significant elasticity estimates for each model and year are reported in Appendix F.

5 Interpretation of Results from the Household Level AIDS Model

The complete set of results can be found in the Appendices. Generally, we report four different types of elasticities: uncompensated, compensated, conditional, and unconditional.

The uncompensated elasticities consider the two effects in which a price change on demand can be decomposed into. The substitution effect posits that, if the price of a good declines, consumers substitute toward the good that becomes comparatively less expensive. They therefore buy more of the relatively lower priced good and less of the other good whose price has not declined. The income effect arises due to changes in consumers' food expenditure. If the food group in question is a normal good (positive expenditure elasticity), the income effect reinforces the substitution effect, whereas it offsets the substitution effect to some extent if it is an inferior good (negative expenditure elasticity). By contrast, the compensated elasticities do not consider the income effect of a price change on demand.

The conditional elasticities assume that a price decrease of one of the food groups holds food expenditure available to all other food groups constant. By contrast, the unconditional elasticities combine elasticities across levels 1 and 2 and therefore assume that a price decrease of one of the food groups increases food expenditure available to all other food groups.

This means that the unconditional uncompensated elasticities of the level 2 models are most useful for the purpose of policy simulations because they assume that a price decrease of one food category increases the food expenditure available to all related food categories (unconditional) and they capture both income and substitution effect (uncompensated). At the highest level of disaggregation (level 3) the compensated elasticities tend to be more informative than the uncompensated elasticities because the substitution effect is stronger as households tend to be more sensitive to changes for example in the prices of individual meat products than they would be to changes in the prices of meat aggregates.

Selected results are reported and discussed hereafter. Unless identified differently, the elasticity estimates discussed are the uncompensated elasticities.

5.1 Level 1 Model

The complete set of conditional uncompensated elasticities and expenditure elasticities of the level 1 model for the seven main food groups are given in Appendix G.1, and the compensated elasticity estimates are given in Appendix H.1. To investigate how responsive consumers are to price changes of some of the main food groups, selected own price elasticities are reported in Table 7.

Table 7: Own price elasticities - Level 1

Year	**01/02**	**02/03**	**03/04**	**04/05**	**05/06**	**06**	**07**	**08**	**09**
Dairy & Eggs	-0.430	-0.347	-0.318	-0.433	-0.391	-0.354	-0.401	-0.414	-0.505
Fats & Starches	-0.830	-0.841	-0.831	-0.826	-0.867	-0.798	-0.835	-0.784	-0.847
Fruit & Nuts	-0.806	-0.843	-0.743	-0.815	-0.756	-0.765	-0.742	-0.762	-0.698
Meat	-0.860	-0.800	-0.827	-0.805	-0.824	-0.841	-0.736	-0.790	-0.804
Fish	-0.351	-0.428	-0.331	-0.308	-0.360	-0.407	-0.309	-0.328	-0.441

Table 7 shows that own price elasticities are always less than one and remain relatively stable across the time periods. Thus, demand for the reported food groups is inelastic with demand for meat, fruits & nuts, and fats & starches being more responsive to price changes than demand for fish and dairy & egg products consistently across the time periods. A possible explanation is that there are only limited substitutes available for the fish and dairy & egg food groups, i.e. even if prices are higher, households continue buying dairy & egg products and fish because the other food groups are not perceived as alternatives for these two food groups. By contrast, fish may be considered as an alternative for meat, accordingly the own price elasticity of meat is higher.

Selected cross price elasticities are reported in Table 8. The notation is that the first mentioned food group is the one affected by a price change, while the second one is the food group whose quantity consumed changes as a result of the price change. They record the percentage change in the quantity demanded for a food group if the price of another food group changes. A negative sign indicates that the food groups under consideration are complements and a positive cross price elasticity indicates that they are substitutes.

Table 8: Cross price elasticities - Level 1

Year	**01/02**	**02/03**	**03/04**	**04/05**	**05/06**	**06**	**07**	**08**	**09**
Fats & Starches and Dairy & Eggs									
uncomp.	-0.290	-0.310	-0.350	-0.290	-0.350	-0.320	-0.310	-0.280	-0.320
comp.	0.052	-0.307	-0.015	0.041	-0.027	0.005	0.018	0.063	-0.321
Meat and Fruits & Nuts									
uncomp.	0.086	0.156	0.129	0.150	0.049	0.147	0.153	0.180	0.220
comp	0.267	0.156	0.315	0.333	0.235	0.329	0.336	0.363	0.220
Dairy and Vegetables									
uncomp.	-0.115	-0.156	-0.148	-0.108	-0.039	-0.102	-0.146	-0.169	-0.105
comp	-0.019	-0.156	-0.052	-0.012	0.061	-0.003	-0.047	-0.063	-0.105

The fats & starches and dairy & egg groups consistently have a complementary relationship meaning that consumers respond to a price decrease of fats & starch products and the resulting increase in their disposable food expenditure by increasing consumption of dairy & eggs products. The compensated cross price elasticities, however, suggest otherwise. They indicate for several years (2001/02, 2004/05, 2006, 2007, 2008) a substitute relationship. The difference between the uncompensated and compensated elasticities is due to the fact that the latter do not consider the income effect of a price change on demand. An explanation of the substitution and income effect is given in section 5 above.

Uncompensated and compensated elasticities tend to be similar if the expenditure elasticity of the good in question is small. This is because expenditure elasticities measure how changes in food expenditure affect food demand. Hence, in the case of fats & starch products and dairy & egg products the negative uncompensated cross price elasticities can be explained to some extent by the fact that fats & starch products have a large expenditure elasticity (see Table 9). A rise in the price of fats & starch products decreases demand for those products because they are now relatively more expensive (substitution effect). Because consumers' food expenditure has declined they buy less fats & starch

products but also less dairy & egg products (income effect) causing their uncompensated cross price elasticities to become negative.

The cross price elasticities in Table 8 further reveal a substitute relationship between meat and fruits & nuts meaning that an increase in the price of meat leads to consumers substituting fruit & nuts products for meat. Hence, changes in the price of meat affect fruit & nut consumption and given that the magnitude of the cross price elasticities increases across the time periods this substitution effect increases over time. The cross price elasticities of dairy products & eggs and vegetables, show that these food groups consistently are complements. Apart from 2005/06, the complementary nature of this relationship is confirmed by the respective compensated cross price elasticities. Hence, decreasing prices of dairy & egg products lead to increased demand for vegetables.

Table 9 reports selected expenditure elasticities. In this study, all expenditure elasticities are positive indicating that food is a normal good.

Table 9: Expenditure elasticities - Level 1

Year	**01/02**	**02/03**	**03/04**	**04/05**	**05/06**	**06**	**07**	**08**	**09**
Dairy & Eggs	0.885	0.879	0.897	0.897	0.896	0.906	0.911	0.929	0.896
Fats & Starch	1.092	1.088	1.087	1.084	1.075	1.075	1.080	1.074	1.078
Meat	1.091	1.106	1.098	1.113	1.108	1.115	1.119	1.117	1.121
Fish	0.652	0.652	0.683	0.649	0.685	0.685	0.667	0.681	0.675

The expenditure elasticities in Table 9 give an indication of the pattern of responses that would be observed if we were measuring the impact of a difference in income on demand. The size of the response to a difference in income is likely to be smaller than the response to a change in expenditure. This is because households who have higher income tend to spend the additional money on things other than food such as travel and non-food items and only a small proportion of the additional income is dedicated to food. The pattern of response would however be preserved: differences in income result in comparatively large differences in the demand for fats & starches and meat, and comparatively small increases in the demand for fish. As incomes rises, the demand for fats & starches and for meat products expands even more rapidly, and therefore spending on these food groups increases as a proportion of food expenditure. By contrast, demand for fish is expenditure inelastic and the fish group is therefore considered to be a necessity. Hence, there is not a big difference in terms of fish consumed between households that are identical except for their income. Finally, the fact that there are only small variations in the expenditure elasticity estimates over time suggests that consumers' underlying tastes and preferences for the food groups were relatively stable across the time periods.

5.2 Level 2 Models

The results in this section allow investigating how prices and expenditure changes affect food and drink demand at a higher level of disaggregation. The unconditional uncompensated elasticity estimates for the 28 food subgroups alongside their expenditure elasticities are given in Appendix G.2. The compensated elasticity estimates of the individual models are reported in Appendix H.2. The unconditional uncompensated price elasticities measure the extent to which price differences influence differences in consumption between

households that are identical in all respects other than that they face a different price.

The uncompensated unconditional own price elasticities in Table 10 show that eggs, sweets, blue fish and fats have relatively small own price elasticities whereby the three former exhibit an upward trend over time. Thus, although consumers were overall less sensitive to own price changes of eggs, sweets and blue fish in comparison to other food subgroups, they become more own price sensitive across the time periods. By contrast, the unconditional own price elasticities of potatoes including fresh potatoes, chips and crisps exhibit a strong downward trend. While in 2001/02 a 1% decrease in the price of potatoes leads to a 0.83% increase in potato demand, in 2009 it leads to an increase of only 0.32%. Since the expenditure elasticities of potatoes (see Table 12) do not significantly change across the time periods, the decrease in unconditional own price elasticities cannot be due to a reduction in the income effect of a change in potato prices. It may rather be the case that fewer people consume potatoes and those people are less own price sensitive because they have stronger preferences for them.

Table 10: Own price elasticities - Level 2

Year	**01/02**	**02/03**	**03/04**	**04/05**	**05/06**	**06**	**07**	**08**	**09**
Eggs	-0.458	-0.524	-0.470	-0.617	-0.628	-0.584	-0.546	-0.646	-0.664
Fats	-0.583	-0.450	-0.480	-0.508	-0.518	-0.535	-0.554	-0.588	-0.624
Sweets	-0.383	-0.632	-0.522	-0.482	-0.541	-0.505	-0.517	-0.511	-0.575
Potatoes	-0.831	-0.853	-0.805	-0.288	-0.369	-0.356	-0.374	-0.396	-0.319
Fresh veg.	-1.001	-1.001	-0.961	-1.020	-1.006	-1.007	-0.954	-1.003	-1.010
Fresh fruits	-0.987	-0.985	-0.984	-1.000	-0.987	-0.977	-1.007	-0.974	-0.982
Poultry	-0.971	-1.025	-0.894	-0.941	-0.965	-0.943	-0.890	-0.899	-0.900
Blue fish	-0.475	-0.493	-0.522	-0.496	-0.410	-0.488	-0.543	-0.631	-0.586

Looking at the uncompensated unconditional own price elasticities for fresh vegetables and fresh fruits, they are both own price elastic or near elastic. This means that households that are identical in all respects other than that they face a different price for fresh vegetables or fresh fruits are relatively different in terms of the quantities of the respective food groups consumed. It also suggests that substitutes are available for these food subgroups. In fact, the unconditional cross price elasticities in Table 11 reveal substitutability between fresh and canned vegetables and to a lesser extent between fresh and tinned & dried fruits. Hence, as prices of fresh vegetables and fresh fruits increase, consumers tend to substitute them with frozen and canned products. The expenditure elasticities in Table 12 further show that the fresh vegetable subgroup consistently has low expenditure elasticities reflecting its status as a staple food, while the near unit elastic expenditure elasticities of the fresh fruit subgroup show that fresh fruit consumption is affected by changes in food expenditure. Hence, differences in expenditure affect fresh fruit consumption. Given that the expenditure elasticity gives an indication of the pattern of responses that would be observed if we were measuring the impact of a difference in income on demand we find that high income households consume more fresh fruits than households that are otherwise identical but have a low income. By contrast, overall consumption of fresh vegetables does not differ a lot between otherwise identical high and low income households. This suggests that a poor diet with low consumption of fresh

vegetables is not the direct result of having a lower income.

Looking at the uncompensated unconditional cross price elasticities in Appendix G.2 we find that the majority are zero or near zero. This is the result of the model assuming that price changes in one food subgroup do not strongly influence demand for another. Moreover, complementary relationships appear to be less prevalent because the magnitude of the income effect is reduced. Selected cross price elasticities are reported in Table 11. Generally, the notation is that the first mentioned food group is the one affected by a price change, while the second one is the food group whose quantity consumed changes as a result of the price change. The cross price elasticities between the potato group and the fats group, which includes oils, butter and margarine, indicate that the effect of a price change of the potato group on demand for fats varied between years in magnitude and direction. While in several years a price change of potato products barely affected fat consumption (2003/04, 2004/05, 2007, 2008), the two food groups were substitutes in 2001/02 and 2002/03 and complements in 2005/06, 2006 and 2009. Table 11 further

Table 11: Cross price elasticities - Level 2

Year	**01/02**	**02/03**	**03/04**	**04/05**	**05/06**	**06**	**07**	**08**	**09**
Milk and cheeses									
	-0.232	-0.263	-0.238	-0.267	-0.197	-0.225	-0.173	-0.100	-0.090
Milk and eggs									
	-0.197	-0.174	-0.133	-0.117	-0.077	-0.064	-0.099	0.013	-0.010
Cheeses and eggs									
	0.090	0.086	0.111	0.122	0.092	0.119	0.091	0.035	0.023
Potatoes and fats									
	0.196	0.181	0.050	-0.010	-0.136	-0.124	0.015	-0.024	-0.113
Sweets and fats									
	-0.018	0.013	0.027	-0.008	0.053	0.067	0.036	0.077	0.035
Non-alcoholic drinks and fats									
	0.055	0.109	0.035	0.118	-0.044	0.078	0.100	0.164	0.137
Starches and sweets									
	-0.253	-0.131	-0.281	-0.232	-0.201	-0.252	-0.165	-0.157	-0.155
Fresh vegetables and canned vegetables									
	0.181	0.164	-0.097	0.309	0.217	0.213	-0.099	0.173	0.192
Fresh fruit and canned & dried fruits									
	-0.082	-0.004	0.052	0.168	0.091	-0.018	0.165	0.045	0.108
Beef and lamb									
	-0.194	-0.336	-0.204	-0.272	-0.134	-0.237	-0.173	-0.195	-0.009
Other meat and bacon & ham									
	-0.115	0.436	-0.065	-0.093	-0.144	-0.110	-0.094	-0.075	-0.106
White fish and blue fish									
	-0.299	-0.237	-0.162	-0.206	-0.329	-0.102	-0.147	-0.155	-0.169

reveals that changes in the price of the milk subgroup significantly affect the demand for the subgroups cheese, eggs and cream. The negative unconditional cross price elasticities

indicate that a decline in the price of milk increases demand for both cheese and eggs. However, this effect significantly decreases across time periods. In 2001/02, a 1% decrease in the price of milk leads to an increase in demand for cheese by 0.23%, whereas it is 0.09% in 2009. Thus, the demand for cheese and eggs appears to be increasingly less affected by changes in the price of milk. The expenditure elasticities of milk in Table 12 indicate that from 2006 onwards milk is an expenditure elastic good. Thus, milk consumption differs between households that are identical except for their income and therefore food expenditure. The fact that the expenditure elasticity of milk increases over time while the expenditure elasticity of cheese and cheese remains constant over time indicates that households increasingly respond to a price increase of milk and the resultant decrease in food expenditure by reducing their consumption of milk than by reducing their cheese consumption. As a result, the cross price elasticities which show the effect of a milk price change on cheese consumption become smaller. In addition, cheese and eggs were consistently substitutes but the relationship was not very strong from 2007 onwards.

Demand for the fats subgroup is significantly affected by changes in the prices of the subgroups potatoes, sweets, and, in recent years, by changes in the prices of non-alcoholic drinks. The mostly negative unconditional cross price elasticities between the potato and fats subgroups indicate that household facing lower prices of potato products consume more products of the fats group. Conversely, households facing lower prices for sweets and non-alcoholic drinks substitute these product groups with products of the fat category, therefore decreasing fats consumption. The expenditure elasticities of the fats subgroup are largely stable across time periods and moderate levels indicate that fats are staple products the demand for which is relatively little affected by differences in food expenditure.

The starch subgroup which includes bread, flour, biscuits, rice, pasta and pizza and the sweets subgroup including sugar, jam and honey, consistently have a complementary relationship. That is, households facing low starch prices have higher levels of consumption of sweets than identical households facing higher starch prices. For both food subgroups, expenditure elasticities are consistently elastic suggesting that starch and sweet consumption differ a lot between otherwise identical high and low income households. Furthermore, since their expenditure elasticities vary very little across time periods it appears that consumer preferences for the starches and sweets subgroups are stable over time.

Looking at meat elasticities, it is noticeable that the results are considerably larger for the year 2002/03 suggesting that there may be an anomaly with the data on meat for this year. The unconditional cross price elasticities between the beef subgroup which includes joints, steaks and mince and the lamb subgroup including mutton, joints, and chops are reported in Table 11. Beef and lamb products are consistently complements implying that households facing a low beef price consume more lamb than identical households who face a higher beef price. Given that both their expenditure elasticities were large with the expenditure elasticities of the beef subgroup being consistently elastic, the complementary relationship appears to be largely due to the income effect of a price change. The other meat subgroup including liver, corned beef, pies, burgers, and takeaway and the bacon & ham subgroup also have complementary relationship where decreases in the price of other meat products are accompanied by significant increases in demand for bacon & ham. This effect is relatively stronger in the years 2001/02, 2005/06, and 2006 and 2009.

In regards to fish consumption patterns, the blue fish subgroup and the white fish subgroup are consistently complements, and according to their expenditure elasticities in Table 12 consumption of blue fish differs slightly more between otherwise identical high and low income household than does the consumption of white fish.

Table 12: Expenditure elasticities - Level 2

Year	**01/02**	**02/03**	**03/04**	**04/05**	**05/06**	**06**	**07**	**08**	**09**
Milk	0.988	0.967	0.997	0.989	0.995	1.013	1.014	1.044	1.015
Cream	0.254	0.227	0.154	0.187	0.228	0.216	0.202	0.179	0.152
Cheese	0.846	0.859	0.869	0.868	0.872	0.871	0.897	0.895	0.868
Eggs	0.534	0.536	0.523	0.544	0.530	0.532	0.546	0.591	0.555
Sweets	1.043	1.062	1.045	1.069	1.003	1.012	1.032	1.018	1.041
Starches	1.205	1.191	1.191	1.183	1.182	1.184	1.177	1.187	1.184
Potatoes	1.031	1.044	1.030	0.990	0.998	1.003	1.004	0.980	0.963
Fats	0.661	0.577	0.626	0.710	0.662	0.671	0.673	0.688	0.684
Beef	1.059	1.058	1.041	1.097	1.090	1.128	1.078	1.132	1.123
Lamb	0.870	0.915	0.864	0.878	0.904	0.900	0.911	0.911	0.893
Bacon & ham	0.945	0.925	0.940	0.943	0.955	0.966	0.979	0.996	1.025
Blue fish	0.527	0.536	0.557	0.514	0.542	0.549	0.549	0.546	0.525
White fish	0.639	0.628	0.655	0.627	0.645	0.649	0.627	0.648	0.640
Fresh veg	0.344	0.348	0.675	0.305	0.315	0.320	0.720	0.368	0.377
Fresh fruit	0.920	0.925	0.927	0.921	0.962	0.949	0.952	0.958	0.960

5.3 Level 3 Models

Level 3 models investigate the demand for beef, pork, poultry, other meat, fresh vegetables, and fresh fruits in more detail. The conditional uncompensated elasticities alongside the expenditure elasticities and the compensated elasticities are reported in Appendix G.3 and Appendix H.3, respectively. Generally, at this level of disaggregation, the level of censoring is high (see Table E.3 and E.4). The food groups other beef & veal, other lamb, other pork, other poultry, and liver have particular high levels of censoring. This affects the estimation results and makes them less reliable and the elasticity estimates should be therefore interpreted with care. In the following the uncompensated elasticities of selected products are discussed. At this level of disaggregation the compensated elasticities are very informative because the substitution effect is stronger as households tend to be more sensitive to changes, for example, in the prices of individual meat products than they would be to changes in the prices of meat aggregates.

Selected own price elasticities of each of the disaggregated models for beef, lamb, pork, poultry, other meats and fresh fruits and vegetables are presented in Table 13. The results of the household level models allow detecting patterns in how price elasticities evolve over time. For example, a trend can be observed in the own price elasticities for fresh fruits with own price elasticities of both bananas and citrus fruits decreasing over time. Moreover, we find that demand for other lamb products is elastic in most years. The same

applies for pork fillet & steaks but to a lesser extent. Hence, other lamb products and pork fillet & steaks are meat types for which consumers are most price sensitive. The own price elasticities of expensive beef steak are higher than those of cheap beef steak in the period between 2002/03 and 2005/06. From 2006 onwards consumers' responsiveness to changes in the price of expensive and cheap beef steak appears to become increasingly similar but with the own price elasticity of expensive beef steak being lower in 2007 and 2008 and higher in 2006 and 2009 no clear pattern emerges. Furthermore, expensive steak is consistently expenditure elastic (see Table 15) showing that high income household spend a comparatively higher proportion of food expenditure on expensive steak than identical households with lower income. The fact that the expenditure elasticities of beef joints and expensive steak are very similar implies that the expenditure proportions occupied by the two food groups are broadly similar across time periods for households that are identical in all respects except for their food expenditure. The expenditure elasticities of cheap steak, though high, are consistently inelastic indicating that consumption of cheap steak does not differ much between otherwise identical high and low income households.

Table 13: Own price elasticities - Level 3

Year	**01/02**	**02/03**	**03/04**	**04/05**	**05/06**	**06**	**07**	**08**	**09**
Beef: Cheap steak									
	-0.905	-0.853	-0.781	-0.841	-0.865	-0.922	-0.861	-0.867	-0.917
Beef: Expensive steak									
	-0.873	-0.897	-0.919	-0.929	-0.941	-0.893	-0.883	-0.904	-0.913
Lamb: Other									
	-1.061	-0.934	-0.963	-1.079	-1.045	-1.139	-1.092	-0.953	-1.121
Pork: Fillet & steak									
	-0.982	-1.003	-0.960	-0.949	-0.956	-0.962	-0.991	-1.022	-1.006
Fresh vegetables: Tomatoes									
	-0.723	-0.648	-0.720	-0.703	-0.665	-0.682	-0.689	-0.693	-0.703
Fresh vegetables: Roots									
	-0.681	-0.635	-0.672	-0.717	-0.685	-0.717	-0.737	-0.724	-0.769
Fresh vegetables: Other									
	-0.962	-0.902	-0.937	-0.904	-0.924	-0.936	-0.939	-0.911	-0.931
Fresh fruits: Bananas									
	-0.738	-0.690	-0.644	-0.574	-0.617	-0.645	-0.566	-0.584	-0.525
Fresh fruits: Citrus									
	-0.936	-0.994	-0.898	-0.804	-0.833	-0.805	-0.808	-0.863	-0.790

Table 14 report selected cross price elasticities. The first set of elasticities shows for the poultry group the cross price elasticities how a change in the price of chicken affects demand for other poultry. Likewise the second set of elasticities shows how price changes for the cooked poultry & takeaway poultry affect demand for other poultry products. The negative cross price elasticities of chicken and other poultry products in indicate that these foods are complements whose relationship varied considerably across time periods. The expenditure elasticities of other poultry products are greater than one and therefore elastic meaning as food expenditure increases, demand for other poultry products expands even

more rapidly and therefore spending on other poultry products increases as a proportion of food expenditure. The fact they are consistently greater than those of chicken explains the complementary relationship between these two products. To specify, if the price of chicken declines, consumers substitute toward chicken as it becomes comparatively less expensive. However, because of the income effect, which is large as the large expenditure elasticities of poultry products indicate, consumer spend the additional food expenditure that become available to them to a larger extent on other poultry products and to a lesser extent on chicken.

Table 14: Cross price elasticities - Level 3

Year	**01/02**	**02/03**	**03/04**	**04/05**	**05/06**	**06**	**07**	**08**	**09**
Poultry: Chicken and Other									
	-0.489	-0.605	-0.676	-0.144	-0.364	-0.649	-0.252	-0.428	-0.362
Poultry: Cooked & takeaway and Other									
	1.116	0.516	1.426	0.936	0.736	0.885	1.232	0.864	0.704
Other meat: Processed and Canned									
	0.248	0.130	0.259	0.183	0.103	0.117	0.112	0.081	0.102

Looking at the models investigating fresh fruit and fresh vegetable consumption, we find that stone fruits, melons and other fruits as well as other vegetables have elastic expenditure elasticities whereas apples & pears have almost unit elastic expenditure elasticities. High income households thus tend to spend a comparatively higher proportion of food expenditure on apples & pears, stone fruits and cabbage than identical households with lower income. The decrease in own price elasticities of bananas and citrus fruit shows the demand for these products becomes less price sensitive.

Table 15: Expenditure elasticities - Level 3

Year	**01/02**	**02/03**	**03/04**	**04/05**	**05/06**	**06**	**07**	**08**	**09**
Beef									
Joints	1.026	1.030	1.026	1.022	1.025	1.030	1.020	1.008	1.004
Expensive steak	1.054	1.046	1.043	1.059	1.043	1.034	1.032	1.033	1.032
Cheap steak	0.845	0.849	0.857	0.862	0.910	0.858	0.855	0.842	0.868
Poultry									
Chicken	1.026	1.027	1.035	1.025	1.031	1.028	1.026	1.035	1.030
Other	2.077	1.649	1.759	1.778	1.426	1.628	2.003	1.691	1.817
Fresh fruit									
Apples & Pears	1.003	1.000	0.990	0.972	0.966	0.975	0.981	0.976	0.965
Stone fruits & others	1.157	1.170	1.174	1.192	1.186	1.189	1.182	1.183	1.181
Fresh vegetables									
Legumes	0.754	0.744	0.756	0.697	0.739	0.718	0.705	0.694	0.684
Cabbage	1.171	1.175	1.174	1.188	1.189	1.194	1.188	1.190	1.183

5.4 Subsamples

The elasticity estimates given in the previous sections constitute averages for the entire UK. This section discusses selected elasticity estimates for the level 1 model for different subsamples including England, England & Wales (E&W), Scotland, Northern Ireland, UK households with children, and UK households in the lowest income quintile. Due to small samples sizes (see Table D.1) the model does not converge for the datasets for Northern Ireland from 2004/05 onwards and the 2002/03 dataset for households with children and these elasticity estimates should not be used in policy simulations.

Selected own price elasticities are reported in Table 16. Looking at the demand for the fats & starches group, with own price elasticities ranging between 0.75 and 1.00 it appears that the consumption of fats & starches is very responsive to own price changes. Different to the other subsamples, differences in consumption of fats & starches between households in England and E&W that are identical in all respects other than that they face a different price for this food group are slightly less pronounced. The responsiveness of low income households to differences in the prices of the fats & starches group is slightly higher and more volatile across time periods. The own price elasticities of Scottish households and households with children are more varied over time and they tend to be even higher and in some instances greater than one indicating elastic demand. Thus, for these subsamples fats & starches price differences strongly influence differences in consumption between households that are identical in all respects other than that they face a different price.

Table 16: Own price elasticities - Subsamples

Year	**01/02**	**02/03**	**03/04**	**04/05**	**05/06**	**06**	**07**	**08**	**09**
Fats & starches									
England	-0.811	-0.825	-0.817	-0.801	-0.860	-0.804	-0.818	-0.786	-0.854
Eng. & Wales	-0.813	-0.830	-0.813	-0.801	-0.852	-0.806	-0.828	-0.783	-0.869
Scotland	-0.902	-0.906	-0.931	-1.060	-0.983	-0.755	-0.902	-0.865	-0.845
N. Ireland	-0.980	-0.916	-0.985	-1.006	-0.969	-0.922	-0.963	-0.898	-0.854
with children	-0.896	-0.921	-0.907	-0.897	-1.045	-0.914	-0.847	-0.797	-0.930
low income	-0.853	-0.803	-0.894	-0.932	-0.894	-0.793	-0.869	-0.958	-0.952
Dairy & Eggs									
England	-0.417	-0.319	-0.268	-0.393	-0.331	-0.303	-0.391	-0.392	-0.501
Eng. & Wales	-0.426	-0.319	-0.277	-0.413	-0.344	-0.314	-0.397	-0.411	-0.519
Scotland	-0.588	-0.799	-0.765	-0.883	-0.790	-0.863	-0.741	-0.736	-0.541
N. Ireland	-0.597	-0.498	-0.720	-0.532	-0.848	-0.635	-0.574	-0.637	-0.821
with children	-0.544	-0.526	-0.470	-0.455	-0.488	-0.697	-0.457	-0.532	-0.693
low income	-0.494	-0.415	-0.319	-0.426	-0.389	-0.350	-0.451	-0.723	-0.567
Fish									
England	-0.367	-0.449	-0.374	-0.327	-0.348	-0.428	-0.337	-0.313	-0.457
Eng. & Wales	-0.357	-0.445	-0.382	-0.319	-0.362	-0.428	-0.333	-0.325	-0.455
Scotland	-0.583	-0.587	-0.398	-0.493	-0.593	-0.462	-0.556	-0.637	-0.762
N. Ireland	-0.603	-0.731	-0.447	-0.682	-0.596	-0.790	-0.671	-0.608	-0.584
with children	-0.470	-0.576	-0.565	-0.570	-0.553	-0.605	-0.349	-0.513	-0.612
low income	-0.419	-0.473	-0.484	-0.374	-0.436	-0.394	-0.580	-0.539	-0.483

While the own price elasticities for the fats & starches group are broadly similar between subsamples, this is not the case for the own price elasticities of dairy & eggs group. Demand for dairy & eggs is always inelastic and shows substantial variation between subsamples and across time periods. Except for 2008, the elasticities of England, E&W, and low income households have a similar pattern of variation ranging between 0.3 and 0.5. With own price elasticity estimates of around 0.8, the demand of Scottish households for dairy & egg products is less inelastic but in 2009 it reaches levels similar to those of England, and E&W. Hence, while households in England, E&W and with low incomes are only moderately responsive to differences in the price of the dairy & eggs group, Scottish households respond more strongly to price differences in terms of the amount of dairy & eggs consumed suggesting that they may be more ready to substitute for products from this group.

Table 17 show the cross price elasticities. The notation is that the first mentioned food group is the one affected by a price change, while the second one is the food group whose quantity consumed changes as a result of the price change. It reveals for all subsamples consistently a complementary relationship between the dairy & eggs and fats & starches group. That is, households facing lower prices for the fats & starches group have a higher demand for dairy & egg products than identical households facing a higher fats & starches prices. This effect is not very strong, households in England and E&W, for example, who

face a 1% lower price for the fats & starches group have an increased demand for dairy & egg products of around 0.3%. The cross price elasticities between the fats & starches group and the dairy & eggs group of the other subsamples show more variation across time periods. Apart from the period between 2002/03 and 2004/05 in which households with children and low income households have similar cross price elasticities, there is no common pattern in variation. Overall, households with children tend to exihibit the smallest differences in demand for products of the dairy & egg group in response to differences in the price of the fats & starches group.

Table 17: Cross price elasticities - Subsamples

Year	**01/02**	**02/03**	**03/04**	**04/05**	**05/06**	**06**	**07**	**08**	**09**
Fats & starches and Dairy & Eggs									
England	-0.323	-0.324	-0.366	-0.308	-0.370	-0.334	-0.335	-0.313	-0.346
Eng. & Wales	-0.304	-0.334	-0.354	-0.291	-0.357	-0.325	-0.314	-0.299	-0.328
Scotland	-0.310	-0.170	-0.290	-0.376	-0.272	-0.345	-0.236	-0.079	-0.292
N. Ireland	-0.047	-0.263	-0.381	-0.360	-0.434	-0.243	-0.060	-0.154	-0.178
with children	-0.126	-0.086	-0.280	-0.171	-0.215	-0.078	-0.264	-0.238	-0.187
low income	-0.437	-0.104	-0.265	-0.187	-0.408	-0.419	-0.252	-0.201	-0.305
Meat and Fruits & Nuts									
England	0.067	0.129	0.113	0.167	0.058	0.164	0.147	0.145	0.175
Eng. & Wales	0.067	0.129	0.112	0.149	0.064	0.163	0.145	0.156	0.189
Scotland	-0.059	0.119	0.197	-0.468	-0.093	-0.078	0.191	0.005	0.215
N. Ireland	0.384	0.290	-0.056	-0.025	-0.214	0.009	-0.015	0.333	0.214
with children	0.143	0.155	0.243	0.022	0.111	0.172	0.073	0.085	0.238
low income	0.155	-0.037	0.001	0.020	0.115	0.005	0.155	-0.263	-0.046
Meat and Fish									
England	0.004	0.039	-0.045	-0.081	-0.083	-0.020	-0.079	-0.182	0.016
Eng. & Wales	0.005	0.056	-0.028	-0.074	-0.078	-0.030	-0.086	-0.206	0.022
Scotland	-0.132	-0.128	0.036	-0.247	-0.299	-0.043	-0.305	-0.113	0.091
N. Ireland	-0.270	0.016	-0.308	-0.235	-0.429	-0.003	-0.307	-0.055	-0.357
with children	0.040	-0.190	-0.122	-0.294	-0.085	-0.123	-0.237	-0.148	-0.052
low income	-0.267	0.159	-0.171	-0.047	-0.202	-0.101	0.016	-0.206	-0.141

Investigating demand for the fish group, its own price elasticities in Table 16 suggest that fish demand in all subsamples is inelastic. With elasticities of around 0.4, responsiveness to price changes is broadly similar between households in England and E&W, and households with low incomes, except for the years 2007 and 2008 where the demand of low income households is less inelastic (0.5). Hence, apart from 2007 and 2008, while being only moderately price sensitive, households in England, E&W and households with low incomes respond in a similar way to differences in the price of the fish group. Households with children have own price elasticities for the fish group of around 0.6 across the time periods. The only exception is in 2007 where fish demand by households with children is considerably less elastic (0.35). By contrast, Scottish households are generally sensitive to differences in the own price of fish, and across the time periods fish demand steadily

becomes less inelastic increasing from 0.462 in 2006 to 0.762 in 2009. Hence, for Scottish households price differences for fish increasingly influence differences in fish consumption between households that are identical in all respects other than the fish price they face. More elastic own price elasticity estimates for the fish group in the subsamples may indicate that they contain households who consume low quantities of fish. Generally, the fact that consumption of fish is relatively insensitive to changes of its own price is important if policy makers may wish to increase the consumption of fish across households, especially those with children. Fish consumption has been shown to reduce the risk of coronary heart disease and as such improving consumption may have added social health benefits. This is particularly the case with oily fish which is higher in omega-3 fatty acids. The results suggest that lower prices of fish will not lead to substantially improved consumption levels, although the effect is slightly stronger for households with children.

The cross price elasticities between the meat group and the fish group indicate that they are complements for most of the time periods. The cross price elasticities for England, E&W are particularly small suggesting for these households differences in the price of meat influence differences in the consumption fish only to a small extent between households that are identical in all respects other than that they face a different price. The largest cross price elasticities can be found for households in Scotland and households with children indicating that households facing higher meat prices tend to have a lower fish consumption than identical households facing lower meat prices. The fact that households with children have the largest expenditure elasticities for fish out of all subsamples (see Table 18) suggests the income effect arising from a price increase of meat is mostly responsible for households with children having lower fish consumption as a result of higher meat prices.

The fruits & nuts group and the meat group are substitutes in all subsamples for most of the time periods. Households in England and E&W facing a 1% lower price for meat have a lower consumption of the fruits & nuts group by around 0.1% than identical households facing a higher price for meat. While the cross price elasticities of households with children show only slightly more varation across time periods than households in England and E&W, they vary significantly across time periods for households in Scotland. Hence, the response in terms of quantity of fruits & nuts demanded by Scottish households to price differences of the meat group is more volatile across the time periods.

The expenditure elasticities in Table 18 show how demand for alcohol, the dairy & eggs group, and the fish group is affected by changes in food expenditure. In the case of alcohol, expenditure elasticities vary little across time periods suggesting that consumers' underlying preferences for alcohol are relatively stable. Households in England, E&W, and households with children have broadly similar expenditure elasticities for alcohol meaning that the expenditure proportions occupied by alcohol are broadly similar for households in these subsamples that are identical in all respects except for their food expenditure. Expenditure elasticities for Scotland are the lowest with large variations between years indicating that alcohol consumption by Scottish households does not differ to a lesser extent between otherwise identical high and low income households than is the case for the other subsamples. The expenditure elasticities of the dairy & eggs group range between 0.7 for households with children and 1.00 for Scottish households. Out of all the subsamples, households with children differ the least in their dairy & egg consumption

between otherwise identical high and low income households. Finally, the expenditure elasticities of the fish group show that demand for fish is relatively expenditure inelastic for all subsamples. This suggests that fish consumption does not differ markedly between otherwise identical high and low income households indicating that low fish consumption is not the direct result of having a low income. This is particularly true for Scottish households who from 2004/05 onwards have the lowest expenditure elasticities out of all samples (except for 2007) indicating that the proportion of expenditure they spend on fish tends to be smaller than is the case for the households in the other subsamples. Moreover, households with children have the highest expenditure elasticities for fish suggesting that if confronted with general food price inflation and therefore a reduction of their food expenditure, particularly families with children will reduce their consumption of oily fish.

Table 18: Expenditure elasticities - Subsamples

Year	**01/02**	**02/03**	**03/04**	**04/05**	**05/06**	**06**	**07**	**08**	**09**
Alcohol									
England	0.888	0.902	0.908	0.906	0.890	0.875	0.918	0.859	0.913
Eng. & Wales	0.900	0.917	0.888	0.901	0.909	0.876	0.909	0.847	0.905
Scotland	0.849	0.751	0.565	0.899	0.832	0.836	0.634	0.816	0.725
N. Ireland	0.767	0.736	0.740	0.596	0.716	0.863	0.828	0.630	0.587
with children	0.950	0.957	0.861	0.964	0.972	0.928	0.905	0.917	0.924
low income	0.827	0.908	0.847	0.916	0.829	0.828	0.905	0.893	0.792
Dairy & Eggs									
England	0.894	0.872	0.902	0.900	0.912	0.924	0.915	0.933	0.903
Eng. & Wales	0.892	0.872	0.905	0.897	0.906	0.922	0.918	0.933	0.906
Scotland	0.874	0.935	0.917	0.926	0.876	0.866	1.000	0.934	0.922
N. Ireland	0.849	0.916	0.889	0.912	0.893	0.883	0.868	0.959	0.859
with children	0.791	0.764	0.839	0.795	0.821	0.874	0.867	0.905	0.860
low income	0.892	0.824	0.909	0.896	0.934	0.949	0.928	0.949	0.884
Fish									
England	0.655	0.658	0.705	0.658	0.709	0.723	0.693	0.704	0.691
Eng. & Wales	0.650	0.650	0.697	0.654	0.702	0.712	0.690	0.708	0.695
Scotland	0.739	0.730	0.727	0.699	0.624	0.654	0.640	0.709	0.691
N. Ireland	0.676	0.659	0.669	0.708	0.679	0.636	0.578	0.532	0.639
with children	0.682	0.751	0.623	0.725	0.701	0.737	0.739	0.734	0.760
low income	0.672	0.631	0.762	0.716	0.648	0.725	0.722	0.591	0.696

5.5 Nutrient elasticities

The nutrient elasticities were computed as described in section 4.1.2 with selected nutrient elasticities for the year 2001/02 being reported in Table 19. The nutrient price elasticities show the effects on nutrients in response to changes in the prices of the main food groups and changes in food expenditure.

As an example, households facing a 10% higher price of the meat group, holding prices of the other food groups and food expenditure constant, have a lower consumption of animal protein of 1.3%, of saturated fats of 1.1%, and of polyunsaturated fats of 0.9%, than do households that are identical but face a lower meat price. Even though no vegetable protein is in meat, due to cross price effects a difference in the price of meat affects the consumption of vegetable protein because differences in the meat prices impact not only the consumption of meat but all other food groups including vegetables.

The net effects of 1% difference in food expenditure on nutrient consumption are listed in the last column of Table 19. According to the estimates a 10% increase in food expenditure would increase vegetable protein and carbohydrates by 10%, and fat by 9%. Hence, because food expenditure changes affect all nutrients in the same direction, nutrients that are not sufficiently consumed could be improved by increasing food expenditure. However, those already excessive intakes of nutrients like energy and fats would be worsened with increased food expenditure. This suggests that higher food expenditure has little effect on the balance of the diet but it worsens obesity because food consumption is higher. For a further example on how to interpret nutrient elasticities the reader is referred to Policy Scenario II in Section 7.2.

Table 19: Selected nutrient elasticities - 2001/02

Nutrient	Unit	Dairy & Eggs	Meat	Fish	Expenditure
Vegetable Protein	g	-0.097	-0.101	-0.032	1.059
Animal Protein	g	-0.364	-0.133	-0.021	0.914
Fat	g	-0.283	-0.107	-0.023	0.966
Saturates	g	-0.273	-0.110	-0.024	0.975
Mono-unsaturates	g	-0.282	-0.114	-0.023	0.965
Poly-unsaturates	g	-0.260	-0.097	-0.025	0.971
Carbohydrate	g	-0.113	-0.084	-0.033	1.062
Energy - Kcal	kcal	-0.239	-0.102	-0.026	0.985
Energy - MJ	MJ	-0.239	-0.102	-0.026	0.985

Looking at the nutrient elasticities in Appendix I a clear pattern emergences with price changes of fats & starch products and dairy & egg products generally having the largest impact on nutrient intake. Intake of fats is most strongly affected by price differences in the fats & starches group followed by price differences of the dairy & egg group. Likewise, energy intake as well as intake of micronutrients and vitamins such as calcium, iron, folate, vitamin D, C, E, B6, and B12 is mostly affected by differences in the price of the fats & starches group followed by differences in the price of the dairy & egg group. With the exception of fructose, which is mostly affected by differences in prices of the fruits & nut group, sugar intake is most strongly affected by differences in the price of the fats & starches group followed by differences in the price of the dairy & egg group. Out of all food groups differences in the price of the fruits & nuts group affect vitamin C intake the most. Fibre intake is also most strongly affected by differences in the price of the fats & starches group followed by differences in the price of the dairy & egg group. Regarding cholesterol intake, it is largely affected by differences in the price of the dairy & egg group.

5.6 Fruits and vegetable demand

Investigating fruit and vegetable demand in more detail, this section discusses elasticities of the fruits & nuts, fresh fruits, canned fruits, vegetables, fresh vegetables and canned vegetables groups. Beginning with the level 1 own price elasticities in Table 20, we find that consumers are more responsive to differences in the own price of fruits & nuts than they are to differences in the own price of the vegetable group consistently across time periods. Thus, differences in the own prices of fruits and vegetables have a stronger effect on households' fruit consumption than on their vegetable consumption. Similarly, in the case of fresh produce the level 2 elasticities show that consumers are more responsive to changes in the own price of the fresh vegetable group than they are to changes in the own price of the fresh fruit group. Demand for fresh vegetables is for most of the time periods own price elastic. Hence, the diet of households who face a lower price for fresh vegetables is better in terms of quantity of fresh vegetables consumed than the diet of households identical in all respects except for the fact that they face a higher price for fresh vegetables. The same applies but to a lesser extent to the price of fresh fruits and fruit consumption.

Table 20: Own price elasticities of fruits and vegetables

Year	**01/02**	**02/03**	**03/04**	**04/05**	**05/06**	**06**	**07**	**08**	**09**
Level 1									
Fruits & nuts	-0.806	-0.843	-0.743	-0.815	-0.756	-0.765	-0.742	-0.762	-0.698
Veg.	-0.555	-0.584	-0.614	-0.573	-0.598	-0.615	-0.543	-0.616	-0.633
Level 2									
Fresh fruits	-0.987	-0.985	-0.984	-1.000	-0.987	-0.977	-1.007	-0.974	-0.982
Fresh veg.	-1.001	-1.001	-0.961	-1.020	-1.006	-1.007	-0.954	-1.003	-1.010

The cross price elasticities between selected food groups and fruits and vegetables are reported in Table 21 and Table 22, respectively. The notation is that the first mentioned food group is the one affected by a price change, while the second one is the food group whose quantity consumed changes as a result of the price change. They reveal that differences in the prices of the alcohol group and of the dairy & egg group result in the largest differences between otherwise identical households in quantity of fruits & nuts demanded, while differences in the price of the fats & starches group result in the smallest differences between household in terms of demand for the fruits & nuts group. In the case of meat and fish products a substitute relationship can be found across all time periods. This means that if faced with lower prices of meat and fish products, households increase their consumption of products at the expense of their fruit consumption.

Table 21: Cross price elasticities of other food groups and fruits & nuts

Year	**01/02**	**02/03**	**03/04**	**04/05**	**05/06**	**06**	**07**	**08**	**09**
Dairy & eggs	-0.073	-0.034	-0.069	-0.066	-0.064	-0.098	-0.069	-0.141	-0.045
Meat	0.010	0.033	0.024	0.030	0.000	0.036	0.038	0.049	0.060
Fish	0.075	0.026	0.015	0.058	0.086	0.099	-0.049	0.044	0.047
Veg	-0.048	-0.027	-0.005	-0.005	-0.012	-0.029	-0.052	-0.005	-0.021
Fats & starches	0.009	0.005	-0.023	0.000	-0.002	-0.018	-0.019	-0.004	-0.039
Alcohol	-0.098	-0.140	-0.070	-0.131	-0.130	-0.109	-0.075	-0.133	-0.147

Similarly, Table 22 shows that demand for vegetables is affected the most by changes in the price of the dairy & eggs group followed by changes in the price of the alcohol group. Quantity of vegetables demanded is least affected by changes in the price of the fish group. All food groups have a complementary relationship with the vegetable group indicating that if the prices of these food groups are lower consumers spend some of their additional food expenditure on vegetables. Looking at both Table 21 and Table 22 together, the effect of a price increase of meat on consumers' diet is ambiguous because their consumption of fruits & nuts increases but their vegetable consumption is reduced.

Table 22: Cross price elasticities of other food groups and vegetables

Year	**01/02**	**02/03**	**03/04**	**04/05**	**05/06**	**06**	**07**	**08**	**09**
Dairy & eggs	-0.082	-0.110	-0.109	-0.079	-0.026	-0.076	-0.112	-0.122	-0.072
Meat	-0.034	-0.017	-0.025	-0.051	-0.025	-0.022	-0.038	-0.017	-0.016
Fish	-0.019	-0.013	-0.032	-0.021	-0.018	-0.003	0.020	-0.011	-0.042
Fruits & nuts	-0.045	-0.021	0.001	0.001	-0.006	-0.021	-0.046	0.002	-0.018
Fats & starches	-0.026	-0.011	-0.008	-0.023	-0.032	-0.022	-0.022	-0.012	-0.005
Alcohol	-0.041	-0.095	-0.079	-0.039	-0.104	-0.078	-0.064	-0.091	-0.124

The expenditure elasticities in Table 23 show that consistently across time periods demand for vegetables is more responsive to changes in food expenditure than demand for fruits & nuts. This means that differences in income result in comparatively larger differences in the demand for vegetables and comparatively smaller changes in the demand for fruit. The expenditure elasticities of fruits and vegetables are of a similar size which means that the proportions occupied by fruits and vegetables in the diet are broadly similar for households that are identical in all respects except for their income. Therefore, we conclude that income has a comparatively small impact on the composition of the diet with regard to fruits and vegetables. Compared with the expenditure elasticities of other food groups (see Appendix G) demand for fruits & nuts and for vegetables tends to be less responsive to changes in food expenditure than demand for fats & starches and meat products and similar to that of dairy & egg products. This means if household have more food expenditure at their disposal they tend to not spend it increasingly on fruits and vegetables but rather on the other food groups suggesting that diet does not necessarily improve as household expenditure rises. Across years, a slight increase in the expenditure elasticities of fruits & nuts as well as of fresh fruits can be observed indicating that over time demand for fruits & nuts and fresh vegetables becomes more responsive to change in food expenditure.

Table 23: Expenditure elasticities of fruits and vegetables

Year	**01/02**	**02/03**	**03/04**	**04/05**	**05/06**	**06**	**07**	**08**	**09**
Level 1									
Fruits & nuts	0.841	0.841	0.843	0.841	0.878	0.860	0.865	0.872	0.872
Veg.	0.942	0.952	0.933	0.928	0.947	0.955	0.943	0.952	0.935
Level 2									
Fresh fruits	0.920	0.925	0.927	0.921	0.962	0.949	0.952	0.958	0.960
Fresh veg.	1.036	1.051	0.973	1.023	1.041	1.050	0.975	1.048	1.037

To investigate whether there was any substitution taking place we look at selected compensated cross price elasticities in Table 24. They show that a price increase of fresh fruits leads to consumers substituting them with canned fruits and with juice, and similarly a price increase of fresh vegetables causes consumers to substitute them with canned vegetables. By contrast, very little substitution takes place between tinned/canned fruits or vegetables and their fresh counterparts. The fact that consumers substitute juice for fresh fruits should the price of the latter increase is important in terms of consumers diet because juice counts only once towards your "Five-a-Day" allotment and juice may contain added sugar or have a high natural sugar content.

Table 24: Compensated cross price elasticities of selected fresh fruits and veg.

Year	**01/02**	**02/03**	**03/04**	**04/05**	**05/06**	**06**	**07**	**08**	**09**
Fresh fruits and tinned fruits									
	0.390	0.483	0.536	0.655	0.568	0.443	0.590	0.481	0.557
Tinned fruits and fresh fruits									
	0.044	0.053	0.055	0.070	0.058	0.047	0.057	0.047	0.057
Fresh fruits and juice									
	0.565	0.545	0.543	0.561	0.532	0.555	0.608	0.543	0.541
Fresh veg. and canned veg									
	0.489	0.469	0.515	0.587	0.499	0.497	0.547	0.496	0.525
Canned veg. and fresh veg									
	0.076	0.077	0.079	0.090	0.074	0.074	0.080	0.082	0.095

5.7 Meat demand of low income households

In order to investigate how meat demand of low income households differs from that of the entire population we compare the elasticities of these two groups. Meat demand of low income household is generally less affected by differences in food expenditure in comparison to the total sample population, except for 2005/06, 2006 and 2007. This suggests that overall consumption of meat does not differ as much between low income households as it does between UK households as a result of differences in food expenditure or income. The own price elasticities show that between 2003/04 and 2006 and in 2009 meat demand of low income households is more responsive to differences in the price of meat than is the case for the general population. The difference in terms of quantity of meat consumed between households that face different meat prices but are otherwise identical is larger in the case of low income households than it is in the case of UK

households. For example, in 2009 if low income households face 1% lower prices for meat, their consumption is increased by 0.839% whereas in the same situation UK households increase their consumption by only 0.804%.

Table 25: Expenditure and own price elasticities for meat of low income households and total sample

Year	**01/02**	**02/03**	**03/04**	**04/05**	**05/06**	**06**	**07**	**08**	**09**
Expenditure elasticities									
Low income	1.069	1.095	1.090	1.081	1.139	1.118	1.139	1.099	1.085
Total sample	1.091	1.106	1.098	1.113	1.108	1.115	1.119	1.117	1.121
Own price elasticities									
Low income	-0.838	-0.791	-0.838	-0.854	-0.961	-0.860	-0.706	-0.779	-0.839
Total sample	-0.860	-0.800	-0.827	-0.805	-0.824	-0.841	-0.736	-0.790	-0.804

To investigate how meat demand is affected by differences in prices of the other food groups, the cross price elasticities for both low income households and UK households in general are depicted in Table 26. The notation is that the first mentioned food group is the one affected by a price change, while the second one is the food group whose quantity consumed changes as a result of the price change. We find that demand for meat is particularly affected by differences in the prices of dairy & egg products and to a lesser extent by differences in the prices of fish products.

The cross price elasticities between fish and meat tend to be lower for low income households than UK households. This shows that the difference between households who face different fish prices in terms of the amount of meat they consume is less pronounced in low income households than it is in UK households. Thus, meat consumption of low income households is less affected by differences in meat prices than is meat consumption by UK households.

In most years the cross price elasticities between fats & starches and meat are lower for low income households than they are for the general population but the relationship in both samples is always complementary. Thus, the difference between households who face different prices for fats & starches in terms of the amount of meat they consume is less pronounced in low income households than it is in UK households.

The cross price elasticities of the entire population indicate fruits & nuts as consistently having a substitute relationship with meat. This is not the case for low income households whose cross price elasticities show for most years a complementary relationship between fruits & nuts and meat. Thus, low income households facing lower prices for fruits & nuts consume more meat compared to households who are identical but face higher prices for fruits & nuts. The opposite is true for the general population; households facing lower prices for fruits & nuts have a lower consumption of meat compared to households who are identical but face higher prices for fruits & nuts.

While the cross price elasticities of UK households between alcohol and meat indicate for most years a complementary relationship, the contrary is true for low income households. Thus, the effect that differences in alcohol prices have on meat demand on low

income households and UK households is ambiguous. In most years, low income households facing higher alcohol prices have a higher meat consumption substituting alcohol for meat whereas UK households in the same situation have a lower meat consumption because of the complementarity between alcohol and meat.

Table 26: Cross price elasticities between other food groups and meat

Year	**01/02**	**02/03**	**03/04**	**04/05**	**05/06**	**06**	**07**	**08**	**09**
Low income hh.									
Dairy & eggs	0.008	-0.060	-0.129	-0.011	-0.092	-0.059	-0.095	0.039	-0.095
Fish	-0.067	0.010	-0.046	-0.025	-0.060	-0.041	-0.016	-0.056	-0.042
Fruits & Nuts	0.033	-0.027	-0.017	-0.008	0.021	-0.015	0.025	-0.098	-0.028
Vegetables	-0.035	-0.029	-0.079	-0.102	-0.051	-0.048	-0.059	-0.059	-0.089
Fats & Starches	-0.188	-0.203	-0.039	-0.040	-0.063	-0.246	-0.223	-0.091	-0.147
Alcohol	0.018	0.005	0.056	-0.042	0.066	0.152	-0.065	-0.055	0.156
Total sample									
Dairy & eggs	-0.042	-0.043	-0.027	-0.027	-0.041	-0.036	-0.021	0.000	-0.030
Fish	-0.021	-0.007	-0.022	-0.027	-0.040	-0.021	-0.046	-0.053	-0.011
Fruits & Nuts	0.010	0.033	0.024	0.030	0.000	0.036	0.038	0.049	0.060
Vegetables	-0.034	-0.017	-0.025	-0.051	-0.025	-0.022	-0.038	-0.017	-0.016
Fats & Starches	-0.146	-0.224	-0.168	-0.193	-0.101	-0.197	-0.224	-0.310	-0.230
Alcohol	0.001	-0.049	-0.053	-0.041	-0.079	-0.034	-0.091	0.005	-0.090

Finally, to investigate how consumers switch between different meat product categories including cheap and expensive meat we look in Table 27 at the compensated cross price elasticities of different meat types (level 3). This information is only available for the entire population but it still provides an information on how households, including low income households, react to price differences of different meat types.

We find that consistently over time a lower price of bacon & ham is accompanied by lower demand for beef as consumers buy more of the relatively cheaper bacon & ham and less beef. To a lesser extent a substitute relationship can also be found in the reverse case where lower beef prices are accompanied by higher beef consumption and reduced bacon & ham consumption. In both instances the magnitude of these substitute relationships decreases over time. Thus, household consumption of bacon & ham is increasingly less influenced by differences in the price of beef. Another finding regarding beef consumption in general is that if the price of beef is high consumers substitute poultry for beef and to a lesser extent sausages for beef. Hence, high beef prices cause consumers to substitute white meat for red meat.

Finally, looking at the trade off between expensive and cheap meat we find that higher prices of expensive beef steak lead to consumers substituting cheap beef steak for expensive steak and, to a lesser extent, consumers substituting expensive beef steak for cheap beef steak if the price of the latter is high. The magnitude of these substitute relationships is relatively stable over time. Given that expensive beef tends to be lower in fat, this means that as the price differential between expensive and cheap beef increases,

consumers tend to consume more of the high fat albeit cheaper beef.

Table 27: Compensated cross price elasticities of different meats - Total sample

Year	**01/02**	**02/03**	**03/04**	**04/05**	**05/06**	**06**	**07**	**08**	**09**
Bacon & ham and beef									
	0.120	0.140	0.109	0.121	0.145	0.145	0.147	0.143	0.093
Beef and bacon & ham									
	0.102	0.120	0.092	0.111	0.134	0.139	0.140	0.128	0.084
Lamb and pork									
	0.175	0.026	0.148	0.131	0.034	0.060	0.111	0.154	0.083
Poultry and bacon & ham									
	0.174	0.165	0.164	0.157	0.171	0.160	0.149	0.170	0.190
Beef and poultry									
	0.129	0.062	0.099	0.112	0.100	0.129	0.098	0.130	0.074
Beef and sausages									
	0.068	0.007	0.030	0.022	0.052	0.040	0.020	0.161	0.085
Expensive beef steak and cheap beef steak									
	0.29	0.24	0.32	0.34	0.26	0.25	0.22	0.30	0.24
Cheap beef steak and expensive beef steak									
	0.11	0.10	0.11	0.12	0.12	0.12	0.09	0.13	0.12

6 Comparison with the National Food Survey 2000

The section draws out the differences and similarities between our results from the DAIDS reported in Section 3.1.2 and the estimates of the National Food Survey 2000 (NFS). Given that the time period covered in the latter is from 1998 to 2000, while the DAIDS covers 2001 to 2009 and given that the food groupings are different, the direct comparison between the estimates in both reports is not straight forward. Moreover, unlike the DAIDS, the NFS does not provide short run elasticities (see Table 5) meaning it does not provide information on short run demand responses to price and expenditure changes.

Comparing the own price elasticities in Table 4 with those in Table 6.1 of the NFS, we find that several of the NFS estimates are not significant whereas all of the own price elasticities in the DAIDS are significant. Large differences exist between the own price elasticities of the dairy & eggs group in the DAIDS (-0.999) and the estimates for milk & cream (-0.36) and eggs (-0.18) in the NFS. Similarly, the own price elasticities of fruits & nuts in the DAIDS (-1.381) and fresh fruits (-0.29) and other fruits (-0.81) in the NFS are very different. In both instances, the DAIDS results reveal consumers as being much more responsive to own price changes of milk products and fruits than the NFS does. By contrast, Table 28 shows that the results of the the DAIDS and the NFS are broadly similar with regard to own price elasticities of meat products, fish, fats and starch products and vegetables.

Table 28: Comparison of selected own price elasticities

DAIDS		NFS 2000	
Meat	0.58	Carcase meat	0.69
		Meat products	0.52
Fish	0.70	Fresh fish	0.8
		Frozen fish	0.32
Fats &	0.84	Fats	0.75
Starches		Bread	0.40
		Other cereal	0.94
		Fresh potatoes	0.12
		Sugar	0.79
Veg.	0.65	Fresh veg.	0.29
		Other veg.	0.81

A comparison between the cross price elasticities is not straight forward due to the different food groupings. One exception is the cross price elasticity between fruits & nuts and fish in the DAIDS, which is -0.434, and the cross price elasticities between other fruits and prepared fish (-0.22) and other fruits and frozen fish (0.13). Hence, the DAIDS suggests a larger complementary relationship between fruits and fish albeit including nuts in the estimation.

The long run DAIDS expenditure elasticities in Table 4 are generally larger than those reported in the NFS in Table 6.3, and, unlike in the NFS, they are all significant. Assuming that consumers' response to changes in food expenditure did not change drastically between the time periods under investigation, the marked differences in expenditure elasticity estimates is likely due to the different estimation procedures used in the DAIDS which include the imposition of curvature and the estimation of the model in a cointegrating framework.

7 Policy Scenarios

This section provides some guidance on the model and elasticity estimates that should be considered in the simulation of various policy scenarios. It should be noted that these policy scenarios are for illustrative purpose only, they are not under consideration by the government. Although the first policy scenario involves a 5% price change, we generally recommand focusing on 1% price changes. For large price changes the elastacity estimates give a broad indication of the resultant quantity changes but they will by no means be accurate.

7.1 Scenario I: A fruit and vegetables subsidy of five percent and its effect on low income households

The level 1 models show demand for these two food groups changes in response to prices and food expenditure. For these models the elasticities are always conditional. Since a fruit and vegetable subsidy implies that the price of these food groups decrease and

thus households' food expenditure is affected, it is useful to look at the uncompensated elasticities as they capture the income effect. Hence, the effect of this kind of subsidy on food demand of low income households can be investigated by looking at the conditional uncompensated elasticities of households in the lowest income quintile in Table 29 where the top row shows the food groups affected by a price change whilst the first column shows the food groups whose quantities consumed changes as a result of a price change.

We find that subsidising fruit by 5% results in low income households increasing their fruits & nuts cosumption by 2.92%. In addition, they increase their consumption of vegetables by 0.615% and their consumption of dairy & egg products by 0.255%; and they decrease their consumption of alcohol by 0.245%. Consumption of fish and meat by low income households is slightly affected by a subsidy on fruits, with the former increasing by 0.48% and the latter increasing by 0.14%. The effect on the consumption of fats & starches is almost negligible (+0.08%).

Subsidising vegetables by 5% increases vegetable consumption of low income households by 3.23%. In addition, it decreases alcohol consumption by 0.615% and fish consumption by 0.225%. The effect on meat consumption is small (+0.45%) and the effect on dairy % egg and fats & starches consumption is negligible (+0.025% and +0.1%, respectively).

Table 29: Uncompensated Elasticities - Households in lowest income quintile 2009

	Dairy & Egg	Meat	Fish	Fruit & Nuts	Veg.	Fats & Starches	Alcohol	Expend.
Dairy & Eggs	-0.567	-0.123	-0.120	-0.045	-0.005	-0.305	0.282	0.884
Meat	-0.095	-0.839	-0.042	-0.028	-0.089	-0.147	0.156	1.085
Fish	-0.343	-0.141	-0.483	-0.096	0.045	0.051	0.272	0.696
Fruits & Nuts	-0.084	-0.046	-0.066	-0.583	-0.133	-0.008	0.051	0.870
Vegetables	-0.016	-0.233	0.015	-0.123	-0.646	-0.051	0.118	0.936
Fats & Starches	-0.117	-0.079	-0.011	-0.016	-0.020	-0.952	0.104	1.091
Alcohol	0.466	0.503	0.140	0.049	0.123	0.679	-2.753	0.792

In this context it is generally useful to look also at the unconditional uncompensated elasticities. These are given only for the entire sample population, it may be therefore more useful to look at the compensated elasticities of low income households (level 1) because the uncompensated elasticities assume that nominal expenditure on a food group remains constant and therefore they may result in unrealistically large income effects. The compensated elasticities are expected to be similar to the unconditional uncompensated elasticities if it is assumed that households facing a lower price of fruits and vegetables buy more of those products because they are relatively cheaper (substitution effect) but also products from other food groups such as eggs and sweets (income effect). However, comparing the compensated and uncompensated elasticities for meat with the unconditional elasticities in Table G.34 this turns out not to be the case. This leads us to the conclusion that households spend any extra money that becomes available as a result of lower price of fruits and vegetables on products in the same food group, namely fruits & vegetables, and not so much on products in other food groups.

Finally, as indicated by the substitute relationships in Table 24 in section 5.6, lower prices

for fresh fruits imply that households consumer more of them in place of of canned fruits and juice, while lower prices for fresh vegetables imply that households consume more fresh vegetables in place of canned vegetables. The nutrient elasticities (see Table I.17) reflect how differences in food expenditure translate into differences in nutrient intakes. They show that subsidising fruits by 5% would particularly increase intake of fructose (+1.365%) and vitamin C (+1.955%). Subsidising vegetable prices would particularly increase the intake of carotenes (+1.935%), Vitamin C (+0.795%) and fibre (+0.485%).

7.2 Scenario II: A change in price of dairy and eggs

This scenario investigates the effects of a change in the price of dairy and egg products on demand and nutrient intake. The conditional uncompensated elasticities for the year 2009 are reported in Table 30. The top row shows the food groups affected by a price change whilst the first column shows the food groups whose quantities consumed changes as a result of a price change. The cross price elasticities show that a difference in the price of dairy and egg products particularly affects consumption of fish, vegetables, and fats & starches with the effect on the latter being the strongest. That is, households facing a 1% higer price for dairy & egg products consume 0.119% less products from the fats & starch group than households that are identical in all respects other than that they face a lower dairy & egg price. The expenditure elasticity of dairy & egg products indicates that high income households spend a comparatively higher proportion of food expenditure on dairy and egg products than identical households with lower income.

Table 30: Conditional uncompensated Elasticities - Level 1: 2009

	Dairy & Egg	Meat	Fish	Fruit & Nuts	Veg.	Fats & Starches	Alcohol	Expenditure
Dairy & Egg	-0.505	-0.008	-0.048	-0.045	-0.072	-0.321	0.103	0.896
Meat	-0.030	-0.804	-0.011	0.060	-0.016	-0.230	-0.090	1.121
Fish	-0.101	0.039	-0.441	0.047	-0.042	-0.035	-0.143	0.675
Fruits & Nuts	-0.066	0.220	0.019	-0.698	-0.018	-0.117	-0.213	0.872
Veg.	-0.105	-0.001	-0.034	-0.021	-0.633	0.032	-0.173	0.935
Fats & Starches	-0.119	-0.122	-0.021	-0.039	-0.005	-0.847	0.075	1.078
Alcohol	0.110	-0.123	-0.065	-0.147	-0.124	0.332	-0.856	0.873

To see how a change in the price of dairy & egg products affects the intake of various nutrients we take a look at the relevant nutrient elasticities. Table 31 shows that in comparison to other food groups price differences for dairy & egg products affect mostly fat and energy intake with the former decreasing by 0.345% and the latter decreasing by 0.294% for a 1% price increase. It appears that higher prices for dairy & egg products potentially reduce calorie intake of the population. However, a change in the price of dairy & egg products does not only affect fat and energy intake but also the intake of other nutrients some of which are beneficical to health. Table 32 shows a change in the price of the dairy & egg group affects intake of various nutrients. We find that a 1% increase in the price of dairy & egg products reduces intake of various beneficial nutrients such as calcium (-0.38%), iron (-0.348%), vitamin D (-0.459%) and zinc (-0.838%). Thus, while higher prices for dairy and egg products reduce calorie intake, they also reduce intake of

nutrients that are beneficial to health which means that the effect of a change in the price or dairy & products is ambiguous.

Table 31: Selected Nutrient elasticities - 2009

Nutrient	Dairy & Egg	Meat	Fish	Fruit & Nuts	Veg.	Fats & Starches	Alcohol	Expend.
Fat	-0.345	-0.084	-0.039	-0.051	-0.052	-0.466	0.073	0.963
Saturates	-0.334	-0.093	-0.037	-0.045	-0.047	-0.491	0.075	0.971
Mono-unsat.	-0.344	-0.088	-0.038	-0.053	-0.050	-0.460	0.071	0.962
Poly-unsat.	-0.318	-0.074	-0.038	-0.065	-0.058	-0.474	0.061	0.966
Energy - Kcal	-0.294	-0.091	-0.036	-0.056	-0.049	-0.502	0.051	0.979

Table 32: Nutrient elasticities for the Dairy & Egg group - 2009

Vegetable Protein	-0.109	Fructose	-0.112
Animal Protein	-0.437	Sucrose	-0.134
Fat	-0.345	Maltose	-0.116
Saturates	-0.334	Lactose	-0.361
Mono-unsaturates	-0.344	Other sugars	-0.158
Poly-unsaturates	-0.318	Total sugars	-0.149
Carbohydrate	-0.133	Non-milk extr sugars	-0.132
Energy - Kcal	-0.294	Alcohol	0.110
Energy - MJ	-0.293	Fibre:Southgate	-0.111
Calcium	-0.380	Fibre:Englyst	-0.113
Iron	-0.348	Potassium	-0.251
Retinol	-0.450	Magnesium	-0.250
Carotene	-0.140	Copper	-0.281
Retinol equivalent	-0.426	Zinc	-0.383
Thiamin	-0.251	Vitamin B6	-0.277
Riboflavin	-0.424	Vitamin B12	-0.469
Niacin Equivalent	-0.336	Phosphorus	-0.395
Vitamin C	-0.101	Manganese	-0.116
Vitamin D	-0.459	Biotin	-0.443
Folate	-0.384	Pantothenic acid	-0.417
Sodium	-0.262	Vitamin E	-0.310
Starch	-0.118	Cholesterol	-0.489
Glucose	-0.115		

7.3 Scenario III: A short run shock to the price of the meat group

A policy scenario that involves the price of the meat group increasing within a month and it subsequently reverting to its previous level, requires the use of the elasticity estimates

from the DAIDS. The household level model cannot give information about this kind of short run response. Another situation in which the results of the DAIDS are preferred to those of the household level model is when there are anomalies in the results of the household level model such as unrealistically large elasticity estimates arising from high levels of censoring.

The DAIDS results are already given in Table 5 in Section 3.1. The top row shows the food groups affected by a price change whilst the first column shows the food groups whose quantities consumed changes as a result of a price change. The large own price elasticity of meat shows that a 1% increase in the price of the meat group leads consumers to decrease their meat consumption by 0.76% in the short run. Moreover, being unit elastic the expenditure elasticity of meat (1.069) indicates that a decrease in food expenditure leads households to decrease their meat consumption in the short run by a proportionate amount. By contrast, if the price of meat was to stay at its higher level, consumers reduce their meat consumption over the year more than proportionately, namely by 1.14% as indicated by the long run expenditure elasticity. The significant cross price elasticities in Table 33 show that in the short run a 1% increase in the price of meat leads to households reducing their consumption of fats & starches and alcohol by 0.081% and 0.225%, respectively. It should be noted that because these elasticities represent short run responses to price changes they cannot be used to examine, for example, how households' diets change over time.

Table 33: Short run compensated cross price elasticities of meat and other food groups

Dairy & Egg	Meat	Fish	Fruit & Nuts	Veg.	Fats & Starches	Alcohol
0.009	-0.76*	0.382	0.069	0.11	-0.081*	-0.225
(0.053)	(0.141)	(0.214)	(0.070)	(0.078)	(0.019)	(0.102)

7.4 Scenario IV: A demand side shock based on an e-coli food scare

An e-coli food scare constitutes a demand side shock because it affects consumers' purchasing behaviour. Food prices and food expenditure are not affected by this kind of shock and therefore the price and expenditure elasticities reported herein cannot be used to simulate this type of policy scenario.

7.5 Scenario V: A supply side shock based on a failed wheat harvest

Assuming that a failed harvest leads to an increase in the price of wheat which in turn leads to an increase in the prices of livestock and bakery products, we look in particular at the beef, pork and bacon & ham groups which capture the effect of changes in the price of livestock, and also at the starches group which captures the effect of higher prices for bakery products. The unconditional uncompensated elasticities are used in this scenario because they assume that a price increase of one food category decreases the food expenditure available to all related food categories (unconditional) and they capture both income and substitution effect (uncompensated). Accordingly, selected uncompensated unconditional elasticities (level 2) are reported in Table 34. The top row shows the food groups affected by a price change whilst the first column shows the food groups whose quantities consumed changes as a result of a price change.

As indicated by their own price elasticities, households facing 1% higher prices for beef, pork, bacon & ham and starches, consume less beef (-0.594%), pork (-0.778%), bacon & ham (-0.723%), and starches (-0.798%) than households that are identical in all respects other than the prices they face for these products. Thus, consumption of pork and of starch products is particularly affected by a supply side shock. Being elastic, the expenditure elasticities of beef, bacon & ham and of the starch group indicate that lower food expenditure, for example, as a result of higher food prices results in households lowering their consumption of these food groups by a relatively large amount, namely by 1.123%, 1.025% and 1.184%, respectively.

The cross price elasticities show that a higher price for meat mainly affects consumption of the food groups that are within the meat group, namely beef, pork, poultry, bacon & ham, sausages and other meat but not so much the demand for products outside the meat group. The latter is a result of the underlying model assumption. The cross price elasticities show that if households face higher prices for beef products their consumption of poultry and other meat products is lower. This complementary relationship between beef and other meats is largely due to the large expenditure elasticity of meat which leads to the income effect outweighing the substitution effect. Similarly, if households face a higher price for the pork group the consumption of beef is lower but consumption of sausages increases. The latter is due to the substitute relationship between beef and sausages. A higher price for bacon & ham means that household have a lower consumption of beef and other meat products as these are complementary food groups.

Looking at the effect of changes in the price of the starch group we see that it mainly affects demand of food groups that are in the fats & starches group such as potatoes, sweets, starches including bakery products, drinks, other starches, and fats. Again, this is due to the assumption of the model. Due to the large expenditure elasticities of starches, all cross price elasticities show complementary relationships with the cross price elasticity between starches and fats being the largest. This means that if households face a 1% higher price for the starch group their demand for products in the fats group is reduced by 0.215%, and demand for potatoes and sweets is reduced by 0.169% and 0.155%, respectively. To conclude, a failed wheat harvest leads to reduced consumption of products in the fats & starches group and to reduced consumption and and some substitution in the meat group.

Table 34: Unconditional uncompensated price and expenditure elasticities

	Beef	Pork	Bacon & ham	Starches	Expenditure
Cheeses	0.000	0.000	0.000	-0.056	0.868
Eggs	0.000	0.000	0.000	-0.036	0.555
Cream	0.000	0.000	0.000	-0.010	0.152
Milk	0.000	0.000	0.000	-0.066	1.015
Oth. dairy	0.000	0.000	0.000	-0.060	0.926
Beef	-0.594	-0.049	-0.053	-0.042	1.123
Lamb	-0.009	0.053	0.000	-0.033	0.893
Pork	-0.098	-0.779	-0.017	-0.031	0.826
Bacon & ham	-0.037	-0.014	-0.723	-0.038	1.025
Poultry	-0.059	0.004	-0.002	-0.042	1.133
Sausages	-0.001	0.035	0.016	-0.027	0.736
Other meat	-0.075	-0.014	-0.076	-0.047	1.272
White fish	0.001	0.000	0.001	-0.006	0.640
Salmon	0.001	0.000	0.001	-0.005	0.592
Blue fish	0.001	0.000	0.001	-0.005	0.525
Oth. fish	0.001	0.000	0.001	-0.007	0.721
Fresh fruit	0.006	0.002	0.008	-0.023	0.960
Tinned fruit	0.004	0.002	0.005	-0.014	0.578
Nuts	0.004	0.002	0.005	-0.016	0.666
Juice	0.005	0.002	0.006	-0.017	0.717
Fresh veg.	0.000	0.000	0.000	0.006	1.037
Canned veg.	0.000	0.000	0.000	0.002	0.377
Potato	-0.003	-0.001	-0.003	-0.169	0.963
Sweets	-0.003	-0.001	-0.004	-0.155	1.041
Starches	-0.004	-0.001	-0.004	-0.798	1.184
Drink	-0.003	-0.001	-0.004	-0.079	1.019
Other Starches	-0.003	-0.001	-0.004	-0.059	1.044
Fats	-0.002	-0.001	-0.002	-0.215	0.684
Alcohol	-0.003	-0.001	-0.003	0.052	0.763

Glossary

Compensated elasticity: Calculated from Hicksian demand functions which assume that a change in demand as a result of a price change of a food group will leave the consumer at the same utility level as she had prior to the price change. This means that that the consumer is assumed to be compensated for a price increase through a rise of income and therefore the income effect is disregarded. Only the substitution effect is considered.

Complement: A complementary good is a good with a negative cross elasticity of demand. This means a good's demand increases when the price of another food group is decreased.

Conditional elasticities: Assume that a price decrease of one of the food group holds food expenditure available to all other food groups constant.

Cross price elasticities: Are the off diagonal elements in the elasticity matrix. They record the percentage change in the quantity demanded for a food group if the price of another food group changes by 1%. A negative sign indicates that the food groups under consideration are complements while a positive sign indicates that they are substitutes.

Elastic demand: If elasticity is less than -1.

Expenditure elasticity: Measures the effect of a 1% change in food expenditure as a whole on the demand for each food group and therefore gives an indication of how demand would change as food expenditure changes. A positive expenditure elasticity indicates a normal good where increases in food expenditure lead to increases in demand. A negative expenditure elasticity is associated with an inferior good, the demand for which decreases as food expenditure rises.

Income effect: Arises due to changes consumers' food expenditure. Buying the same quantity of a good at a lower price leaves consumers with more food expenditure at their disposal some of which they will spend on the food group in question so that total quantity bought rises. If the food group in question is a normal good (positive expenditure elasticity), the income effect reinforces the substitution effect, whereas it offsets the substitution effect to some extent if it is an inferior good (negative expenditure elasticity).

Income elasticity: Measures the responsiveness of the demand for a food group to a change in the consumers' income. Can be computed as:

$$\frac{\%\text{ change in quantity demanded}}{\%\text{ change in income}} = \frac{\%\text{ change in food expenditure}}{\%\text{ change in income}} \times \frac{\%\text{ change in quantity demanded}}{\%\text{ change in food expenditure}}$$

where the last term are the expenditure elasticities provided in this report.

Inelastic demand: If elasticity is between -1 and 0.

Long run elasticity: Measure the total response of demand to changes in prices, i.e. what happens if price stays like this for the rest of the year.

Luxury A good with a expenditure elasticity of more than one.

Necessity A good with a expenditure elasticity of less than one.

Normal good A good with a positive income elasticity of demand.

Nutrient elasticity: Measures how a change in the price of a food group affects intake of various nutrients.

Own price elasticities: Are the on-diagonal elements in the elasticity matrix. They measure the percentage change in demand that would occur if the price of a food group changes by 1% and they always have a negative sign because a change in prices causes the quantity demanded to change in the opposite direction. Own price elasticities between zero and one in absolute value are described as inelastic, and elasticities greater than one in absolute value are described as elastic.

Short run elasticity: Measure how demand responds within a month to changes in prices.

Substitute: A substitute good is a good with a positive cross elasticity of demand. Demand for this kind of good increases if the price of another good increases.

Substitution effect: The effect observed with changes in relative price of goods. For example, if the price of a good declines, consumers substitute toward the good that becomes comparatively cheaper. They therefore buy more of the relatively cheaper good and less of the other good whose price has not declined.

Uncompensated elasticity: Calculated from Marshallian demand functions and therefore considers both the substitution and income effect. Assumes that consumers maximise their utility subject to a budget constraint whilst holding food prices fixed.

Unconditional elasticities: Assume that a price decrease of one of the food groups increases food expenditure available to the other food groups.

Utility maximisation Utility is a measure of relative satisfaction. Each consumer is assumed to arrange consumption such that the utility she gains is as high as possible.

Appendices

List of Tables

A The Almost Ideal Demand System

The AIDS by Deaton and Muellbauer [1980] relates the value shares to the logarithm of total expenditure, that is

$$\mathrm{s}_i = \alpha_i + \beta_i log\mathrm{e} \tag{8}$$

where s_i is the share of total expenditure e accounted for by expenditure on the ith good. The parameters α and β are made functions of prices thereby extending (8) to include the effects of prices. The cost function is defined as

$$log\mathrm{c}(\mathrm{u},\mathrm{p}) = \alpha(\mathrm{p}) + u\beta(\mathrm{p}) \tag{9}$$

where

$$\alpha(\mathrm{p}) = \alpha_0 + \sum_k \alpha_k log\mathrm{p}_k + \frac{1}{2}\sum_k\sum_l \gamma^*_{kl} log\mathrm{p}_k log\mathrm{p}_l \tag{10}$$

and

$$\beta(\mathrm{p}) = \beta_0 \prod \mathrm{p}_k^{\beta_k} \tag{11}$$

Substituting and differentiating in equation (9), the budget share form of the AIDS is obtained:

$$\mathrm{s}_i = \alpha_i + \sum \delta_{ij} log\mathrm{p}_j + \beta_i log(\mathrm{e}/\mathrm{P}) \tag{12}$$

where P is the price index defined by

$$log\mathrm{P} = \alpha_0 + \sum_k \alpha_k log\mathrm{p}_k + \frac{1}{2}\sum_k\sum_l \gamma_{kl} log\mathrm{p}_k log\mathrm{p}_l \tag{13}$$

and the parameters γ are defined by

$$\gamma_{ij} = \frac{1}{2}(\gamma^*_{ij} + \gamma^*_{ji}) = \gamma_{ij} \tag{14}$$

Adding up requires for all j:

$$\sum_k \alpha_k = 1, \sum_k \beta_k = 0, \sum_k \gamma_{kj} = 0 \tag{15}$$

Homogeneity is satisfied if and only if, for all j

$$\sum_k \gamma_{jk} = 0 \tag{16}$$

and *symmetry* is satisfied if

$$\gamma_{ij} = \gamma_{ji} \tag{17}$$

From equation (12) we obtain the linear-approximate AIDS model:

$$\mathrm{s}_{ih} = \alpha_i + \sum_{j=1}^{m} \gamma_{ij} ln(\mathrm{p}_{jh}) + \beta_i ln(\frac{\mathrm{e}_h}{\mathrm{P}_h}) + u_{ih} \tag{18}$$

$$i = 1, ..., m \tag{19}$$

$$h = 1, ..., T \tag{20}$$

$$(v_{1h}), ...(v_{(m-1)T})' \sim N(0, \Sigma) \tag{21}$$

where s_{ih} is the ith budget share expressed in terms of prices and real income or expenditures $\frac{e}{P_h}$ in the hth household; p_{jh} is the price of the jth good to the hth household, and $P_h = \prod_j p_{jh}^{s_{jh}}$ is the Stone price index.

Coefficients can be interpreted as follows:

- α_i represents the budget share when all logarithms and real expenditure equal zero;
- γ_{ij} represent the change in the ith budget share with respect to a percentage change in the jth price with real expenditures or income held constant: $\gamma_{ij} = \partial s_i / \partial p_j$;
- β_i represent the change in the ith budget share with respect to a percentage change in real income or expenditures with prices held constant: $\beta_i = \partial s_i / \partial log(\frac{e}{P_h})$. They also indicate whether a good i is an expenditure elastic ($\beta_i > 0$), or a necessity good ($\beta_i < 0$).

The model in (18) can be estimated using data at the level of the individual household. This approach has the advantage of allowing a much more detailed examination of the factors that influence household decision making with regard to food consumption. Estimating the AIDS at the household level requires taking account of several important issues. The first issue to take into account is incidences of zero purchases that will occur for some commodities and some households. There are two approaches to dealing with censoring which differ according to the assumption made regarding the cause of such observations. Where it is assumed that a zero observation is a corner solution, that is the consumer does not buy because the combination of prices income and preferences renders the good unattractive, a Tobit model is appropriate. Where the zero observation arises because no purchase is necessary as the household is consuming out of stocks, the Infrequency of Purchase model is appropriate. The latter is the approach we use in this study and present in B. The second issue to take into account is related to curvature. Imposing concavity is important because its absence can lead to implausible results such as positively sloping demand functions and unrealistic patterns of substitution. The algorithm used in this study imposes concavity using non-linear inequality restrictions.

B The Infrequency of Purchase Model

The treatment of censored observations is an important issue to consider when estimating demand models. Censoring occurs in the demand system because a particular good may not be purchased by a household during the time that it is surveyed as it is consuming from stocks purchased in other time periods. The infrequency of purchase model accommodates censoring. Our approach draws on Blundell and Meghir [1987] in order to adapt the AIDS to incorporate infrequency of purchase. The censoring rule that relates latent consumption (q_{it}^*)[1] of the i^{th} commodity by the h^{th} household to observed purchases (q_{ih}) is as follows:

$$q_{ih} = \begin{cases} \frac{q_{ih}^*}{\Phi_{it}} & y_{ih} = 1 \\ 0 & y_{ih} = 0 \end{cases}. \tag{22}$$

[1]In this specification of the model we assume that latent consumption for all goods is non-zero. In other words we assume that all censoring is the result of infrequency of purchase. Whilst allowing for both infrequency of purchase and true corner solutions would be preferable, such an approach introduces an identification problem since the source of a zero may be either a non-purchase, a corner solution or both.

Φ_{ih} is the probability that a purchase is made ($p\left(y_{ih}=1\right)$) and y_{ih} is a binary variable which takes the value 1 when a purchase occurs. The censoring rule (22) implies that there are two aspects to the latency of q^*_{ih} according to whether q_{ih} is observed or not. In cases where a purchase is made, latent consumption is related to observed purchases as follows:

$$q^*_{ih} = q_{ih}\Phi_{ih} \qquad \forall i \in C \tag{23}$$

where:

$$C = \left\{i : y_{ih} = 1\right\}. \tag{24}$$

The latency in the observations where q_{ih} is observed is addressed in the AIDS by defining the consumption shares for observations where a purchase is observed as follows:

$$s_{ih} = \frac{p_{ih}q^*_{ih}}{\sum_{i\in C} p_{ih}q^*_{ih}} \qquad \forall i \in C \tag{25}$$

where p_{ih} is the price of the i^{th} good to the h^{th} household and q^*_{ih} is defined in equation 23. In cases where no purchase is made q^*_{ih} is non-zero as the good in question is consumed from stocks. In this case latent consumption cannot be computed using (23) because q_{ih} is itself unobserved. Instead a data augmentation algorithm, which we discuss in Appendix C, is used to replace the observed zeros with estimated values for latent consumption. The shares computed using (25) for observations where a purchase is observed sum to one by construction and therefore once they are combined with the latent shares corresponding to observations where no purchase is made, the adding up restriction will be violated. An additional source of latency is introduced into the model for the shares, defined in equation 25, where a purchase is made. The effect of this is to adjust the shares defined in equation 25 to ensure that the combined latent shares for goods where a purchase is made and those where one is not satisfy the adding up restriction. Thus we define latent shares for the cases where purchases are observed as follows:

$$s^*_{ih} = s_{ih}\left(1 - \sum_{i\notin C} s^*_{ih}\right) \;\forall i \in C \tag{26}$$

The AIDS, with one equation dropped to avoid singularity of the covariance matrix, is then expressed in terms of the latent shares as follows:

$$\mathbf{s}^* = \mathbf{X}_1\mathbf{\Lambda} + \mathbf{v} \tag{27}$$

where:

$$\mathbf{X}_1 = \mathbf{I}_{(m-1)} \otimes \mathbf{x}_1, \tag{28}$$

$$\mathbf{x}_1 = \left(\mathbf{x}_{11} \ldots, \mathbf{x}_{1H}\right)', \tag{29}$$

$$\mathbf{x}_{1h} = \left(1, \ln p_{1,h}, \cdots, \ln p_{m,h}, \ln\left(\frac{e_h}{P_h}\right)\right)', \tag{30}$$

$$\mathbf{s}^* = \left(s^*_{1,1}, \cdots, s^*_{1,H}, s^*_{2,1}, \ldots, s^*_{2,H}, \ldots, s^*_{(m-1),1}, \ldots s^*_{(m-1),H}\right)', \tag{31}$$

$$\mathbf{\Lambda} = \left(\alpha_1, \gamma_{11}, \ldots \gamma_{1,m}, \omega_1 \ldots, \alpha_{(m-1)}, \gamma_{(m-1)1}, \ldots \gamma_{(m-1),m}, \omega_{(m-1)}, \right)', \tag{32}$$

$$\mathbf{v} = \left(v_{1,1}, \cdots, v_{1,H}, v_{2,1}, \ldots, v_{2,H}, \ldots, v_{(m-1),1}, \ldots v_{(m-1),H}\right)' \tag{33}$$

p_{jh} is the price of the jth good to the hth household e_h is total expenditure, $P_h = \prod_j p_{jh}^{s_{jh}}$ is Stone's price index. The underlying theory requires that the model satisfies symmetry

$$\gamma_{ij} = \gamma_{ji} \text{ for all } i,j, \tag{34}$$

homogeneity

$$\sum_j \gamma_{ij} = 0 \text{ for all } j \tag{35}$$

and concavity. Concavity implies that the Slutsky matrix ($\mathbf{M}$) which has the elements:

$$M_{ij} = \gamma_{ij} + \omega_i \omega_j \ln\left(\frac{e}{P}\right) - s_i \delta_{ij} + s_i s_j \tag{36}$$

$$\delta_{ii} = 1, \delta_{ij} = 0 : i \neq j \tag{37}$$

is negative semi-definite. The restrictions required for symmetry and homogeneity can be written in the form

$$\mathbf{R}\mathbf{\Lambda}^* = 0 \tag{38}$$

where $\mathbf{R}$ is an $r \times (m-1)\left((m-1)+2\right)$ matrix defining the restrictions and $\mathbf{\Lambda}^*$ is the restricted Λ. In order to impose these restrictions we reparameterise the model as follows. First define the $(km-r) \times km$ orthonormal matrix $\mathbf{R}_\perp$ such that:

$$\mathbf{R}\mathbf{R}'_\perp = 0 \tag{39}$$

$$\mathbf{R}_\perp \mathbf{R}'_\perp = \mathbf{I}. \tag{40}$$

The restricted $\mathbf{\Lambda}$ can be expressed as:

$$\Lambda^* = \mathbf{R}'_\perp \tilde{\Lambda} \tag{41}$$

where $\tilde{\mathbf{\Lambda}}$ is a $(k(m-1)-r) \times 1$ vector of distinct parameters, and r is the number of restrictions. The restricted model can be written:

$$\mathbf{s}^* = \mathbf{X}_1 \mathbf{R}'_\perp \tilde{\mathbf{\Lambda}} + \mathbf{v} \tag{42}$$

$$\mathbf{s}^* = \mathbf{W}\tilde{\mathbf{\Lambda}} + \mathbf{v} \tag{43}$$

where:

$$\mathbf{W} = \mathbf{X}_1 \mathbf{R}'_\perp. \tag{44}$$

Equation 43 is the basis for estimation and the restricted parameter vector is recovered using equation 41. To complete the IPM, the demand equations in 27 are combined with m probit equations to give the complete model:

$$\mathbf{s}^* = \mathbf{W}\tilde{\Lambda} + \mathbf{v} \tag{45}$$

$$\mathbf{y}^* = \mathbf{X}_2 \Gamma + \mathbf{u} \tag{46}$$

where $\mathbf{y}^*$ is an $mH \times 1$ vector of latent variables based on the binary variable y_{ih} defined in equation 22:

$$y^*_{ih} \begin{cases} > 0 & y_{ih} = 1 \\ \leq 0 & y_{ih} = 0 \end{cases}, \tag{47}$$

$$\mathbf{e} = \begin{pmatrix} \mathbf{v} \\ \mathbf{u} \end{pmatrix} \sim N\left(0, \Sigma \otimes \mathbf{I}_H\right), \tag{48}$$

$$\mathbf{X}_2 = \mathbf{I}_m \otimes \mathbf{x}_2 \tag{49}$$

$$\mathbf{x}_2 = \left(\mathbf{x}_{21} \ldots, \mathbf{x}_{2H}\right)' \tag{50}$$

where $\mathbf{x}_2$ is a vector of constants which means that we assume all households to be identical with regard to their household specific characteristics that determine the probability of the household making a purchase in a given time period, and stocks being exhausted in a purely random manner.

Since the dependent variables in the probit equations (46) are unobserved, data augmentation is also used in their estimation. With the introduction of the probit equations the probability that is necessary for the computation of the latent shares in equation 23 can be obtained as:

$$\Phi_{ih} = p\left(y_{ih} = 1\right) = p\left(y_{ih}^{*} > 0\right) = p\left(u_{ih} > -\mathbf{x}_{2h}\Gamma_i\right) = \Phi\left(\mathbf{x}_{2h}\Gamma_i\right) \tag{51}$$

where Γ_i is the sub-vector of Γ corresponding to the ith probit equation.

C Bayesian Inference

We apply Bayesian inference to the parameters of the model by sampling from the posterior distribution of the parameters in the model and presenting the summary statistics of this sample. The Gibbs sampler (see Casella and George [1992]) allows one to sample from a marginal distribution by using the conditional distributions of the parameters. In most applications parameters are grouped into blocks and the conditional distributions for these blocks are used as the basis for the sampler. If the dependent variables in 45 and 46 were observable, the full system comprising both sets of equation could be treated as a set of seemingly unrelated equations (SUR) and estimation using a Gibbs sampler would be straightforward. Writing the complete system in 45 and 46 as:

$$\mathbf{z}^{*} = \mathbf{X}\beta + \mathbf{e} \tag{52}$$

where:

$$\mathbf{z}^{*} = \left(\mathbf{s}^{*'}, \mathbf{y}^{*'}\right)', \mathbf{X} = \begin{pmatrix} \mathbf{W} & 0 \\ 0 & \mathbf{X_2} \end{pmatrix}, \beta = \left(\tilde{\mathbf{\Lambda}}', \mathbf{\Gamma}'\right)'. \tag{53}$$

and $\mathbf{s}^{*'}$ includes the recovered fitted values of the dropped share equation, and $\tilde{\mathbf{\Lambda}}'$ includes the recovered parameters of the dropped share equation.
Assuming a diffuse prior (Zellner [1971, p 241]):

$$p\left(\beta, \Sigma^{-1}\right) = p\left(\beta\right) p\left(\Sigma^{-1}\right) \propto \left|\Sigma^{-1}\right|^{-\left(\frac{m+1}{2}\right)} \tag{54}$$

the conditional posterior distributions for the two blocks of parameters β and $\mathbf{\Sigma}$ are:

$$p\left(\beta|\mathbf{z}, \mathbf{X}, \mathbf{\Sigma}\right) \sim MVN\left(\left(\mathbf{\Sigma}^{-1} \otimes \mathbf{X}'\mathbf{X}\right)^{-1}\left(\mathbf{\Sigma}^{-1} \otimes \mathbf{X}'\right)\mathbf{z}^{*}, \mathbf{\Sigma}^{-1} \otimes \mathbf{X}'\mathbf{X}\right) \tag{55}$$

$$p\left(\mathbf{\Sigma}|\mathbf{y}, \mathbf{X}, \beta\right) \sim IW\left(\tilde{\mathbf{e}}'\tilde{\mathbf{e}}, H\right) \tag{56}$$

where:

$$\tilde{\mathbf{e}} = \begin{pmatrix} v_{1,1} & \dots & v_{m,1} & u_{1,1} & \dots & u_{m,1} \\ \vdots & & \vdots & \vdots & & \vdots \\ v_{1,H} & \dots & v_{m,H} & u_{1,H} & \dots & u_{m,H} \end{pmatrix} \tag{57}$$

As has been stated above, the theoretically derived property of concavity requires that the Slutsky matrix of the cost function (see equation 36) to be negative semi-definite.

This is incorporated in the estimation by introducing an informative prior in the form of an indicator function which takes the value one when the parameter vector β leads to a negative semi-definite Slutsky matrix and zero otherwise. In practice this results in an accept:reject step in the algorithm in which only those draws on the distribution in equation 55 which satisfy this restriction are retained in the sample that is used for inference.

We have noted above that some elements of $\mathbf{z}^*$ are not observed however. In order to complete the algorithm we therefore employ data augmentation. Data augmentation was introduced by Tanner and Wong [1987] as a method for conducting inference on the full posterior in the presence of latent data. Albert and Chib [1993] show how data augmentation can be accomplished using the Gibbs sampler. They show that where the conditional distributions of the latent data can be obtained, these data can be treated as another block of unknowns in the algorithm. In section B we argued that there were three types of latency in our model. The first type of latency is common to all limited dependent variable models and is referred to as missing data. In our model we have two types of missing data. In the share equations, where no purchase is made the shares are missing. In the probit equations the continuous variable (y^*_{ih}) which underlies the observed binary variable is missing. The remaining two sources of latency apply to the observations where a purchase is made. In these cases latency exists first because the observed purchases do not correspond to actual consumption and second because the adding up restriction will not hold once consumption of the commodities where no purchase is made is accounted for. In all three cases the conditional distributions of the latent data are used in the algorithm to simulate values.

Let us turn to the derivation of these distributions. First consider the conditionals for the missing data. Because the observations for individual households are assumed to be independent we can make the latent draws household by household. In order to introduce the conditional distributions therefore we define $\mathbf{z}^*_h$ and $\hat{\mathbf{z}}^*_h$ to include only the elements of $\mathbf{z}^*$ and $\hat{\mathbf{z}}^* = \mathbf{X}\beta$ respectively corresponding to the h^{th} household. It is also more convenient to draw the latent variables commodity by commodity. Therefore, defining the precision matrix $\mathbf{\Omega} = \mathbf{\Sigma}^{-1}$, the conditional mean ($\mu_{ht}$) and variance ($V_i$) of the individual elements of $\mathbf{z}^*$are [Geweke, 2005, Theorem 5.3.1]:

$$\mu_{ih} = \hat{z}^*_{ih} + \mathbf{\Sigma}_i\mathbf{\Sigma}^{-1}_{-i}\left(\mathbf{z}^*_{-i,h} - \hat{\mathbf{z}}^*_{-i,h}\right) = \hat{z}^*_{ih} + \Omega^{-1}_{ii}\Omega_{-i}\left(\mathbf{z}^*_{i,h} - \hat{\mathbf{z}}^*_{i,h}\right) \quad (58)$$

$$V_i = \Sigma_{ii} - \mathbf{\Sigma}_i\mathbf{\Sigma}^{-1}_{-i}\mathbf{\Sigma}'_i = \mathbf{\Omega}^{-1}_{-i} \quad (59)$$

where Σ_{ii} is the i^{th} on-diagonal element of $\mathbf{\Sigma}$, $\mathbf{\Sigma}_i$ is the i^{th} row of $\mathbf{\Sigma}$ excluding Σ_{ii}, and $\mathbf{\Sigma}_{-i}$ is the matrix within $\mathbf{\Sigma}$ excluding both the i^{th} column and i^{th} row. Ω_{ii} and $\mathbf{\Omega}_i$ are similarly defined. $\hat{z}^*_{ih}$ is the fitted value of z^*_{ih} for the h^{th} household and $\hat{\mathbf{y}}_{-i,h}$ and $\mathbf{y}_{-i,h}$ are vectors within $\hat{\mathbf{y}}_h$ and $\mathbf{y}_h$ respectively, with their i^{th} elements removed. The conditional distributions for the missing data in the probit equations are:

$$y_{ih} = 0 : y^*_{ih}|\mathbf{y}^*_{i,h}, \beta, \mathbf{X}, \mathbf{\Sigma} \sim \mathbf{TN}\left[y^*_{ih}| - \infty, 0\right](\mu_{ih}, V_i)\, I(y_{ih} = 0)\forall i, h \quad (60)$$

$$y_{ih} = 1 : y^*_{ih}|\mathbf{y}^*_{i,h}, \beta, \mathbf{X}, \mathbf{\Sigma} \sim \mathbf{TN}\left[y^*_{ih}|0, \infty\right](\mu_{ih}, V_i)\, I(y_{ih} = 1)\forall i, h \quad (61)$$

where $\mathbf{TN}$ is a truncated normal distribution over the interval $[-\infty, 0]$ with mean μ_{ih} and variance V_i and I is an indicator variables with a value of one if $(y_{ih} = 0)$, and zero otherwise.

The conditional distribution in the share equations are:

$$s_{ih} = 0 : s^*_{ih}|\mathbf{y}^*_{i,h}, \mathbf{\Theta}, \mathbf{X}, \mathbf{\Sigma} \sim \mathbf{TN}[s^*_{ih}|0, (1 - \sum_i s^*_{-ih})] \, (\mu_{ih}, V_i) \, I(y_{ih} = 0) \forall i \notin C, h \quad (62)$$

where **TN** is a truncated distribution over the interval $[0, (1 - \sum_i s^*_{-ih})]$ and s^*_{-ih} is a vector within s^*_{ih} with the i^{th} element removed.

For the remaining two types of latency, in observations where a purchase is made, the latent data are a linear transformation of the observed data. This data can therefore be simulated by applying the transformations in 23 and 26 sequentially to the observed data.

To achieve identification of the probit equations it is necessary to restrict the covariance matrix:

$$\mathbf{\Sigma} = \begin{pmatrix} \mathbf{\Sigma}_{vv} & \mathbf{\Sigma}_{vu} \\ \mathbf{\Sigma}_{uv} & \mathbf{\Sigma}_{uu} \end{pmatrix}. \quad (63)$$

and we impose the restriction that $\mathbf{\Sigma}_{uu} = \mathbf{I}$. Instead of using equation 56 as the basis for making draws on Σ, we obtain the conditional posterior distributions for the sub-matrices within $\mathbf{\Sigma}$ as follows. Define the following $H \times m$ matrices:

$$\widetilde{\mathbf{v}} = \begin{pmatrix} v_{11} & v_{21} & \cdots & v_{m1} \\ \vdots & \vdots & & \vdots \\ v_{1H} & v_{2H} & \cdots & v_{mH} \end{pmatrix} \quad (64)$$

$$\widetilde{\mathbf{u}} = \begin{pmatrix} u_{11} & u_{21} & \cdots & u_{m1} \\ \vdots & \vdots & & \vdots \\ u_{1H} & u_{2H} & \cdots & u_{mH} \end{pmatrix} \quad (65)$$

From the properties of the multivariate normal the conditional mean and variance are:

$$E(\mathbf{v}|\mathbf{u}) = \Sigma_{vu}\Sigma^{-1}_{uu}\mathbf{u} \quad (66)$$

$$E\left(\mathbf{v}^{'}\mathbf{v}|\mathbf{u}\right) = \mathbf{\Sigma}_\varepsilon = \Sigma_{vv} - \Sigma_{vu}\Sigma^{-1}_{uu}\Sigma^{'}_{vu} \quad (67)$$

where 66 is a regression of $\mathbf{v}$ on $\mathbf{u}$. Under the assumption that $\Sigma_{uu} = \mathbf{I}$ we can therefore parameterise the covariance matrix as:

$$\mathbf{\Sigma} = \begin{pmatrix} \mathbf{\Sigma}_{vv} & \mathbf{\Sigma}_{vu} \\ \mathbf{\Sigma}_{uv} & \mathbf{\Sigma}_{uu} \end{pmatrix} = \begin{pmatrix} \left(\mathbf{\Sigma}_\varepsilon + \rho\rho^{'}\right) & \rho \\ \rho^{'} & \mathbf{I} \end{pmatrix}. \quad (68)$$

where $\rho = \Sigma_{vu}$. Recognising from equations 66 and 67, with the assumption $\Sigma_{uu} = \mathbf{I}$, that ρ and Σ_ε are the coefficient vector and covariance matrix of the error term ε respectively in the following seemingly unrelated regression:

$$\mathbf{v} = \rho\mathbf{u} + \varepsilon \quad (69)$$

$\varepsilon \sim N(0, \Sigma_\varepsilon)$ and assuming a diffuse prior we use the following conditional posteriors:

$$\rho|\mathbf{\Sigma}_\varepsilon \sim N\left[\left(\widetilde{\mathbf{u}}'\mathbf{\Sigma}^{-1}_\varepsilon\widetilde{\mathbf{u}}\right)^{-1} \widetilde{\mathbf{u}}'\widetilde{\mathbf{v}}\,, \left(\widetilde{\mathbf{u}}'\mathbf{\Sigma}^{-1}_\varepsilon\widetilde{\mathbf{u}}\right)^{-1}\right] \quad (70)$$

$$\mathbf{\Sigma}_\varepsilon|\delta \sim IW(\varepsilon'\varepsilon, H) \quad (71)$$

together with the relations in 68 as the basis for sampling the restricted covariance matrix.

The estimation algorithm can then be stated as:

1. Assume starting values for $\mathbf{z}^*$ and Σ.

2. Use the most recently drawn values of $\mathbf{z}^*$ from steps 5 and 6 and Σ from step 7 (or those assumed in step 1 if this is the first pass), draw the parameter vector β from the normal distribution in equation 55.

3. Recover the missing coefficients of the dropped share equation and include them in $\tilde{\mathbf{\Lambda}}$ so that β includes the parameters of the m probit and the m share equations.

4. Use the appropriate elements of the β draw to compute the Slutsky matrix using equation 36 and check to see whether it is negative semi-definite. If it is, add the draw to the sample. If it is not, revert to the previous draw of β.

5. Using the parameter vector β drawn in 2, compute the full $\hat{\mathbf{z}}^* = \mathbf{X}\beta$. Using the appropriate elements in $\hat{\mathbf{z}}^*$ and the full Σ from step 7 (or that assumed in step 1 if this is the first pass), compute the mean and variance of the conditional distributions using equations 58 and 59. Use these in the truncated normal distributions in equations 60 and 61 to draw the latent data for the probit equations.

6. Obtain the latent data for the share equations:

   (a) Where the share is censored use the appropriate elements in the full $\hat{\mathbf{z}}^*$ from step 5 and the full Σ from step 7 (or that assumed in step 1 if this is the first pass) to compute the mean and variance of the conditional distribution using equations 58 and 59. Use these to make a draw on the distribution in equation 62.

   (b) Where a purchase is observed compute the probability of a purchase using equation 51 and the latent shares using equations 25 and 26.

7. Using the full β from step 2 and $\mathbf{z}^*$ from steps 5 and 6, draw the full variance-covariance matrix $\mathbf{\Sigma}$:

   (a) Draw ρ from the normal distribution in equation 70.

   (b) Draw $\mathbf{\Sigma}_\varepsilon$ from the inverse Wishart distribution in equation 71.

   (c) Construct the complete matrix using equation 68.

   (d) Exclude the coefficients of the dropped share equation from $\tilde{\mathbf{\Lambda}}$ as well as the respective elements of $\mathbf{\Sigma}$.

8. Return to step 2.

D Sample Sizes

Table D.1: Sample sizes

Year	**2001/02**	**2002/03**	**2003/04**	**2004/05**	**2005/06**	**2006**	**2007**	**2008**	**2009**
Level 1									
All Groups	7450	6908	7015	6768	6754	6612	6107	5807	5802
Level 2									
Dairy & Eggs	7336	6813	6917	6652	6653	6527	6006	5697	5694
Meat	7166	6651	6761	6467	6494	6357	5836	5569	5568
Fish	5406	4940	4914	4775	4827	4709	4360	4150	4141
Fruit	6665	6194	6310	6114	6139	6047	5542	5246	5224
Vegetables	6927	6391	6490	6228	6248	6148	5694	5352	5409
Fat & Starches	7439	6893	7003	6755	6738	6596	6085	5793	5793
Level 3									
Beef	3539	3280	3395	3289	3256	3238	3051	2693	2741
Lamb	1525	1353	1391	1276	1300	1301	1209	1115	995
Pork	2094	1956	1900	1824	1718	1740	1587	1459	1423
Poultry	4939	4509	4664	4382	4397	4354	3964	3788	3790
Other Meat	6349	5907	6005	5719	5704	5548	5156	4848	4876
Fresh Fruit	6173	5788	5894	5749	5813	5705	5222	4965	4895
Fresh Veg	6590	6122	6234	5985	6006	5913	5499	5131	5180
Subsamples									
England	5947	5382	5486	5298	5333	5140	4735	4477	4387
England & Wales	6301	5738	5853	5646	5664	5450	5012	4740	4659
Scotland	618	585	546	589	565	575	499	493	542
Northern Ireland	531	585	616	533	524	586	596	574	601
Income $\leq$ 5%	1491	1381	1403	1352	1349	1319	1219	1138	1164
HH with Children	2521	2249	2352	2157	2134	2105	1907	1790	1760

E Censoring

Table E.1: Censoring in Level 1 and 2 Models

Year	**2001/02**	**2002/03**	**2003/04**	**2004/05**	**2005/06**	**2006**	**2007**	**2008**	**2009**
Top Level Model									
Dairy & Egg	0.02	0.01	0.01	0.02	0.01	0.01	0.02	0.02	0.02
Meat	0.04	0.037	0.04	0.04	0.04	0.04	0.04	0.04	0.04
Fish	0.27	0.29	0.30	0.29	0.29	0.29	0.29	0.29	0.29
Fruit & Nuts	0.11	0.10	0.10	0.10	0.09	0.09	0.09	0.10	0.10
Vegetables	0.05	0.05	0.05	0.06	0.05	0.05	0.05	0.06	0.05
Fats & Starches	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Alcohol	0.49	0.48	0.47	0.48	0.47	0.47	0.47	0.49	0.48
Dairy & Eggs									
Cheeses	0.26	0.27	0.28	0.28	0.27	0.27	0.26	0.27	0.26
Eggs	0.41	0.40	0.40	0.42	0.42	0.43	0.42	0.41	0.43
Cream	0.78	0.79	0.78	0.78	0.77	0.76	0.77	0.77	0.77
Milk	0.05	0.05	0.06	0.05	0.05	0.05	0.06	0.06	0.05
Other	0.32	0.31	0.31	0.30	0.29	0.29	0.29	0.29	0.27
Meat									
Beef	0.51	0.51	0.50	0.49	0.50	0.49	0.48	0.52	0.51
Lamb	0.79	0.80	0.79	0.80	0.80	0.79	0.79	0.80	0.82
Pork	0.71	0.71	0.72	0.72	0.74	0.73	0.73	0.74	0.74
Bacon & Ham	0.26	0.25	0.25	0.25	0.27	0.28	0.27	0.27	0.27
Poultry	0.31	0.32	0.31	0.32	0.32	0.32	0.32	0.32	0.32
Sausages	0.58	0.59	0.58	0.59	0.61	0.60	0.59	0.61	0.59
Other meat	0.10	0.10	0.10	0.10	0.11	0.12	0.12	0.12	0.11

Table E.2: Censoring in Level 2 Models (cont.)

Year	**2001/02**	**2002/03**	**2003/04**	**2004/05**	**2005/06**	**2006**	**2007**	**2008**	**2009**
Fish									
White fish	0.65	0.65	0.71	0.73	0.75	0.74	0.75	0.75	0.76
Salmon	0.80	0.81	0.80	0.79	0.79	0.78	0.79	0.78	0.77
Bluefish	0.85	0.84	0.83	0.82	0.81	0.81	0.80	0.83	0.82
Other fish	0.18	0.17	0.16	0.13	0.15	0.14	0.14	0.15	0.14
Fruit & Nuts									
Fresh	0.07	0.07	0.07	0.06	0.05	0.06	0.06	0.05	0.06
Tinned & Dried	0.66	0.64	0.67	0.65	0.65	0.63	0.65	0.66	0.68
Nuts	0.76	0.77	0.76	0.72	0.71	0.71	0.71	0.72	0.71
Juice	0.49	0.49	0.51	0.56	0.48	0.47	0.48	0.49	0.52
Vegetables									
Fresh	0.05	0.04	0.04	0.04	0.04	0.04	0.03	0.04	0.04
Canned	0.31	0.33	0.34	0.34	0.35	0.35	0.37	0.35	0.36
Fat & Starches									
Potatoes	0.09	0.09	0.10	0.10	0.10	0.09	0.09	0.10	0.10
Sweets	0.15	0.15	0.16	0.16	0.17	0.17	0.16	0.17	0.16
Starch	0.00	0.00	0.01	0.01	0.014	0.01	0.01	0.01	0.00
Drinks	0.13	0.13	0.11	0.13	0.14	0.13	0.14	0.14	0.14
Other	0.14	0.14	0.14	0.15	0.15	0.14	0.14	0.15	0.14
Fat	0.25	0.25	0.27	0.27	0.27	0.27	0.28	0.28	0.29

Table E.3: Censoring in Level 3 Models

Year	**2001/02**	**2002/03**	**2003/04**	**2004/05**	**2005/06**	**2006**	**2007**	**2008**	**2009**
Beef									
Joints	0.75	0.76	0.75	0.78	0.79	0.76	0.78	0.80	0.81
Cheap Steak	0.77	0.77	0.78	0.77	0.75	0.74	0.76	0.77	0.73
Expens. Steak	0.64	0.63	0.63	0.63	0.66	0.66	0.65	0.67	0.69
Mince	0.42	0.41	0.43	0.47	0.42	0.40	0.38	0.38	0.38
Other & veal	0.98	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99
Lamb									
Mutton	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99
Joints	0.57	0.57	0.59	0.60	0.60	0.60	0.56	0.60	0.62
Chops	0.48	0.49	0.48	0.45	0.45	0.45	0.46	0.46	0.46
Other	0.83	0.83	0.81	0.85	0.84	0.82	0.87	0.83	0.82
Pork									
Joints	0.73	0.73	0.76	0.74	0.76	0.74	0.72	0.74	0.74
Chops	0.52	0.54	0.62	0.62	0.60	0.61	0.66	0.65	0.64
Fillets & Steaks	0.63	0.60	0.66	0.67	0.68	0.67	0.66	0.65	0.67
Other	0.92	0.93	0.77	0.77	0.77	0.79	0.79	0.77	0.77
Poultry									
Chicken	0.31	0.32	0.28	0.30	0.28	0.28	0.26	0.25	0.24
Turkey	0.82	0.83	0.83	0.84	0.86	0.87	0.88	0.89	0.90
Other	0.99	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98
Cooked & Takeaway	0.45	0.45	0.46	0.45	0.49	0.48	0.50	0.53	0.52

Table E.4: Censoring in Level 3 Models (cont.)

Year	**2001/02**	**2002/03**	**2003/04**	**2004/05**	**2005/06**	**2006**	**2007**	**2008**	**2009**
Other Meat									
Liver	0.94	0.93	0.93	0.95	0.95	0.95	0.95	0.95	0.95
Canned & Frozen	0.68	0.67	0.66	0.65	0.64	0.64	0.65	0.66	0.64
Processed & Takeaway	0.10	0.12	0.11	0.10	0.11	0.10	0.12	0.11	0.10
Ready meals	0.57	0.56	0.55	0.57	0.58	0.59	0.59	0.59	0.59
Fresh Fruit									
Citrus	0.50	0.47	0.47	0.48	0.48	0.49	0.49	0.48	0.50
Apples & Pears	0.30	0.31	0.32	0.31	0.31	0.32	0.32	0.34	0.36
Bananas	0.26	0.25	0.256	0.25	0.25	0.25	0.23	0.25	0.27
Grapes	0.66	0.66	0.64	0.63	0.59	0.58	0.60	0.60	0.63
Other	0.51	0.49	0.49	0.45	0.42	0.41	0.40	0.40	0.39
Fresh Vegetables									
Brassica	0.43	0.43	0.45	0.42	0.41	0.43	0.44	0.44	0.47
Root crops	0.39	0.39	0.41	0.38	0.36	0.36	0.35	0.33	0.36
Lettuce	0.45	0.44	0.42	0.42	0.42	0.41	0.42	0.45	0.45
Legumes	0.81	0.80	0.80	0.80	0.79	0.79	0.78	0.79	0.80
Other	0.26	0.24	0.24	0.23	0.22	0.22	0.20	0.21	0.20
Onions	0.42	0.41	0.42	0.42	0.41	0.40	0.40	0.41	0.41
Tomatoes	0.35	0.346	0.35	0.34	0.34	0.34	0.34	0.35	0.36

Table E.5: Censoring in Subsamples

Year	**2001/02**	**2002/03**	**2003/04**	**2004/05**	**2005/06**	**2006**	**2007**	**2008**	**2009**
England									
Dairy & Egg	0.02	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.02
Meat	0.04	0.04	0.04	0.05	0.04	0.04	0.05	0.04	0.04
Fish	0.27	0.27	0.29	0.29	0.27	0.27	0.27	0.27	0.28
Fruit & Nuts	0.10	0.10	0.10	0.10	0.09	0.08	0.09	0.10	0.09
Vegetables	0.05	0.05	0.05	0.06	0.05	0.05	0.05	0.06	0.05
Fats & Starches	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Alcohol	0.48	0.47	0.46	0.47	0.47	0.47	0.46	0.49	0.48
England & Wales									
Dairy & Egg	0.02	0.01	0.01	0.02	0.02	0.01	0.02	0.02	0.02
Meat	0.04	0.04	0.04	0.05	0.04	0.04	0.05	0.04	0.04
Fish	0.27	0.27	0.29	0.29	0.28	0.28	0.28	0.28	0.28
Fruit & Nuts	0.10	0.10	0.10	0.09	0.09	0.08	0.09	0.09	0.10
Vegetables	0.048	0.06	0.05	0.06	0.05	0.05	0.05	0.06	0.05
Fats & Starches	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0.00	0.00
Alcohol	0.47	0.47	0.46	0.47	0.46	0.47	0.46	0.49	0.47
Scotland									
Dairy & Egg	0.01	0.01	0.01	0.02	0.01	0.00	0.02	0.02	0.02
Meat	0.03	0.02	0.03	0.02	0.04	0.023	0.04	0.03	0.03
Fish	0.26	0.32	0.33	0.30	0.33	0.33	0.31	0.30	0.30
Fruit & Nuts	0.14	0.13	0.14	0.12	0.10	0.09	0.12	0.13	0.13
Vegetables	0.06	0.06	0.08	0.08	0.08	0.06	0.06	0.00	0.06
Fats & Starches	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00
Alcohol	0.46	0.47	0.47	0.49	0.46	0.45	0.47	0.48	0.46

Table E.6: Censoring in Subsamples (cont.)

Year	**2001/02**	**2002/03**	**2003/04**	**2004/05**	**2005/06**	**2006**	**2007**	**2008**	**2009**
Northern Ireland									
Dairy & Egg	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.01	0.01
Meat	0.03	0.02	0.03	0.02	0.02	0.02	0.02	0.02	0.02
Fish	0.32	0.38	0.37	0.37	0.33	0.34	0.35	0.35	0.33
Fruit & Nuts	0.13	0.12	0.088	0.11	0.09	0.09	0.12	0.09	0.10
Vegetables	0.05	0.07	0.06	0.06	0.06	0.07	0.06	0.05	0.03
Fats & Starches	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Alcohol	0.59	0.58	0.58	0.60	0.54	0.54	0.54	0.52	0.54
Lowest Income Quintile									
Dairy & Egg	0.02	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.03
Meat	0.04	0.04	0.02	0.04	0.03	0.03	0.04	0.05	0.05
Fish	0.27	0.28	0.28	0.27	0.28	0.28	0.27	0.38	0.35
Fruit & Nuts	0.14	0.12	0.13	0.11	0.12	0.10	0.12	0.17	0.17
Vegetables	0.06	0.06	0.06	0.07	0.06	0.06	0.05	0.00	0.09
Fats & Starches	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.00
Alcohol	0.47	0.45	0.45	0.47	0.50	0.47	0.44	0.67	0.64
Children									
Dairy & Egg	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Meat	0.02	0.02	0.02	0.03	0.21	0.03	0.03	0.02	0.03
Fish	0.28	0.28	0.29	0.31	0.29	0.29	0.29	0.27	0.27
Fruit & Nuts	0.08	0.09	0.08	0.08	0.07	0.07	0.07	0.07	0.07
Vegetables	0.05	0.05	0.05	0.05	0.04	0.04	0.04	0.04	0.03
Fats & Starches	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Alcohol	0.41	0.42	0.42	0.42	0.42690	0.43	0.43	0.44	0.43

F Significance

Table F.1: Percentage of significant elasticity estimates - Level 1

Year	Uncompensated	Compensated	Expenditure
2001/02	44.90	59.18	100.00
2002/03	42.86	51.02	100.00
2003/04	36.73	55.10	100.00
2004/05	44.90	59.18	100.00
2005/06	46.94	55.10	100.00
2006	46.94	59.18	100.00
2007	46.94	42.86	100.00
2008	44.90	63.27	100.00
2009	48.98	55.10	100.00

Table F.2: Percentage of significant elasticity estimates - Level 2: Dairy & Eggs

Year	Uncompensated	Compensated	Expenditure
2001/02	48.00	68.00	80.00
2002/03	44.00	60.00	80.00
2003/04	60.00	68.00	80.00
2004/05	44.00	68.00	80.00
2005/06	56.00	76.00	80.00
2006	60.00	76.00	80.00
2007	56.00	68.00	80.00
2008	56.00	76.00	80.00
2009	64.00	84.00	80.00

Table F.3: Percentage of significant elasticity estimates - Level 2: Meat

Year	Uncompensated	Compensated	Expenditure
2001/02	32.65	75.51	100.00
2002/03	51.02	51.02	100.00
2003/04	28.57	63.27	100.00
2004/05	28.57	63.27	100.00
2005/06	22.45	63.27	100.00
2006	26.53	63.27	100.00
2007	24.49	63.27	100.00
2008	26.53	59.18	100.00
2009	26.53	59.18	100.00

Table F.4: Percentage of significant elasticity estimates - Level 2: Fish

Year	Uncompensated	Compensated	Expenditure
2001/02	50.00	62.50	100.00
2002/03	43.75	62.50	100.00
2003/04	25.00	62.50	100.00
2004/05	43.75	62.50	100.00
2005/06	50.00	62.50	100.00
2006	43.75	62.50	100.00
2007	37.50	62.50	100.00
2008	31.25	62.50	100.00
2009	31.25	62.50	100.00

Table F.5: Percentage of significant elasticity estimates - Level 2: Fruits & Nuts

Year	Uncompensated	Compensated	Expenditure
2001/02	37.50	75.00	100.00
2002/03	43.75	75.00	100.00
2003/04	43.75	75.00	100.00
2004/05	37.50	62.50	100.00
2005/06	43.75	75.00	100.00
2006	43.75	75.00	100.00
2007	37.50	87.50	100.00
2008	43.75	87.50	100.00
2009	43.75	75.00	100.00

Table F.6: Percentage of significant elasticity estimates - Level 2: Vegetables

Year	Uncompensated	Compensated	Expenditure
2001/02	75.00	100.00	100.00
2002/03	75.00	100.00	100.00
2003/04	100.00	100.00	100.00
2004/05	75.00	100.00	100.00
2005/06	75.00	100.00	100.00
2006	75.00	100.00	100.00
2007	100.00	100.00	100.00
2008	75.00	100.00	100.00
2009	75.00	100.00	100.00

Table F.7: Percentage of significant elasticity estimates - Level 2: Fats & Starches

Year	Uncompensated	Compensated	Expenditure
2001/02	38.89	55.56	83.33
2002/03	47.22	72.22	83.33
2003/04	47.22	66.67	83.33
2004/05	58.33	66.67	83.33
2005/06	55.56	72.22	83.33
2006	61.11	61.11	83.33
2007	58.33	50.00	83.33
2008	55.56	61.11	83.33
2009	47.22	61.11	83.33

Table F.8: Percentage of significant elasticity estimates - Level 3: Beef

Year	Uncompensated	Compensated	Expenditure
2001/02	24.00	68.00	80.00
2002/03	24.00	60.00	80.00
2003/04	32.00	60.00	80.00
2004/05	24.00	52.00	80.00
2005/06	20.00	60.00	80.00
2006	32.00	68.00	80.00
2007	28.00	68.00	80.00
2008	20.00	60.00	80.00
2009	24.00	60.00	80.00

Table F.9: Percentage of significant elasticity estimates - Level 3: Lamb

Year	Uncompensated	Compensated	Expenditure
2001/02	25.00	50.00	75.00
2002/03	25.00	50.00	75.00
2003/04	25.00	37.50	75.00
2004/05	25.00	50.00	100.00
2005/06	25.00	37.50	75.00
2006	25.00	50.00	75.00
2007	25.00	37.50	75.00
2008	25.00	37.50	75.00
2009	37.50	37.50	0.00

Table F.10: Percentage of significant elasticity estimates - Level 3: Pork

Year	Uncompensated	Compensated	Expenditure
2001/02	25.00	62.50	75.00
2002/03	25.00	62.50	75.00
2003/04	25.00	87.50	100.00
2004/05	25.00	87.50	100.00
2005/06	25.00	62.50	100.00
2006	25.00	62.50	100.00
2007	25.00	75.00	100.00
2008	25.00	75.00	100.00
2009	25.00	75.00	100.00

Table F.11: Percentage of significant elasticity estimates - Level 3: Poultry

Year	Uncompensated	Compensated	Expenditure
2001/02	25.00	75.00	100.00
2002/03	37.50	75.00	100.00
2003/04	37.50	75.00	100.00
2004/05	25.00	75.00	100.00
2005/06	37.50	75.00	100.00
2006	25.00	75.00	100.00
2007	37.50	75.00	100.00
2008	25.00	75.00	100.00
2009	37.50	75.00	100.00

Table F.12: Percentage of significant elasticity estimates - Level 3: Other meat

Year	Uncompensated	Compensated	Expenditure
2001/02	37.50	62.50	50.00
2002/03	43.75	50.00	100.00
2003/04	37.50	50.00	50.00
2004/05	43.75	62.50	100.00
2005/06	43.75	50.00	100.00
2006	43.75	50.00	75.00
2007	37.50	50.00	100.00
2008	43.75	50.00	100.00
2009	43.75	50.00	100.00

Table F.13: Percentage of significant elasticity estimates - Level 3: Fresh fruits

Year	Uncompensated	Compensated	Expenditure
2001/02	48.00	92.00	100.00
2002/03	44.00	84.00	100.00
2003/04	48.00	92.00	100.00
2004/05	56.00	100.00	100.00
2005/06	60.00	92.00	100.00
2006	48.00	92.00	100.00
2007	52.00	84.00	100.00
2008	40.00	84.00	100.00
2009	48.00	84.00	100.00

Table F.14: Percentage of significant elasticity estimates - Level 3: Fresh vegetables

Year	Uncompensated	Compensated	Expenditure
2001/02	44.90	87.76	100.00
2002/03	46.94	83.67	100.00
2003/04	36.73	83.67	100.00
2004/05	42.86	75.51	100.00
2005/06	46.94	75.51	100.00
2006	40.82	71.43	100.00
2007	30.61	83.67	100.00
2008	30.61	71.43	100.00
2009	34.69	79.59	100.00

Table F.15: Percentage of significant elasticity estimates - Subsamples: England

Year	Uncompensated	Compensated	Expenditure
2001/02	44.90	59.18	100.00
2002/03	40.82	51.02	100.00
2003/04	34.69	51.02	100.00
2004/05	51.02	59.18	100.00
2005/06	42.86	51.02	100.00
2006	42.86	51.02	100.00
2007	42.86	42.86	100.00
2008	38.78	67.35	100.00
2009	46.94	59.18	100.00

Table F.16: Percentage of significant elasticity estimates - Subsamples: England & Wales

Year	Uncompensated	Compensated	Expenditure
2001/02	51.02	59.18	100.00
2002/03	40.82	55.10	100.00
2003/04	36.73	51.02	100.00
2004/05	46.94	59.18	100.00
2005/06	44.90	51.02	100.00
2006	42.86	51.02	100.00
2007	38.78	42.86	100.00
2008	42.86	67.35	100.00
2009	44.90	63.27	100.00

Table F.17: Percentage of significant elasticity estimates - Subsamples: Scotland

Year	Uncompensated	Compensated	Expenditure
2001/02	20.41	30.61	85.71
2002/03	24.49	18.37	85.71
2003/04	36.73	30.61	85.71
2004/05	32.65	34.69	85.71
2005/06	24.49	30.61	71.43
2006	38.78	30.61	85.71
2007	26.53	30.61	85.71
2008	28.57	22.45	85.71
2009	28.57	30.61	85.71

Table F.18: Percentage of significant elasticity estimates - Subsampels: Northern Ireland

Year	Uncompensated	Compensated	Expenditure
2001/02	26.53	38.78	71.43
2002/03	20.41	30.61	71.43
2003/04	36.73	46.94	71.43
2004/05	34.69	26.53	71.43
2005/06	22.45	34.69	71.43
2006	34.69	30.61	71.43
2007	22.45	22.45	71.43
2008	22.45	30.61	71.43
2009	26.53	34.69	71.43

Table F.19: Percentage of significant elasticity estimates - Subsamples: Households in lowest income quintile

Year	Uncompensated	Compensated	Expenditure
2001/02	34.69	38.78	85.71
2002/03	28.57	30.61	85.71
2003/04	28.57	30.61	85.71
2004/05	34.69	30.61	100.00
2005/06	20.41	34.69	85.71
2006	22.45	34.69	85.71
2007	32.65	34.69	85.71
2008	24.49	26.53	85.71
2009	30.61	34.69	85.71

Table F.20: Percentage of significant elasticity estimates - Subsamples: Households with children

Year	Uncompensated	Compensated	Expenditure
2001/02	20.41	46.94	100.00
2002/03	30.61	51.02	100.00
2003/04	38.78	42.86	85.71
2004/05	24.49	42.86	100.00
2005/06	22.45	51.02	100.00
2006	18.37	51.02	85.71
2007	30.61	42.86	85.71
2008	30.61	51.02	85.71
2009	40.82	46.94	85.71

G Uncompensated Elasticity Estimates

G.1 Level 1

Table G.1: Uncompensated Elasticities - Level 1: 2001/02

	Dairy & Egg	Meat	Fish	Fruit & Nuts	Veg.	Fats & Starches	Alcohol	Expenditure
Dairy & Egg	-0.430	-0.044	-0.013	-0.073	-0.082	-0.286	0.042	0.885
Meat	-0.042	-0.860	-0.021	0.010	-0.034	-0.146	0.001	1.091
Fish	-0.009	-0.012	-0.351	0.075	-0.019	-0.171	-0.165	0.652
Fruit & Nuts	-0.103	0.086	0.038	-0.806	-0.045	0.143	-0.153	0.841
Veg.	-0.115	-0.062	-0.023	-0.048	-0.555	-0.072	-0.066	0.942
Fats & Starches	-0.098	-0.083	-0.038	0.009	-0.026	-0.830	-0.026	1.092
Alcohol	0.038	0.046	-0.073	-0.098	-0.041	-0.010	-0.751	0.889

Table G.2: Uncompensated Elasticities - Level 1: 2002/03

	Dairy & Egg	Meat	Fish	Fruit & Nuts	Veg.	Fats & Starches	Alcohol	Expenditure
Dairy & Egg	-0.347	-0.040	-0.015	-0.034	-0.110	-0.307	-0.026	0.879
Meat	-0.043	-0.800	-0.007	0.033	-0.017	-0.224	-0.049	1.106
Fish	-0.013	0.063	-0.428	0.026	-0.013	-0.178	-0.108	0.652
Fruits & Nuts	-0.044	0.156	0.007	-0.843	-0.021	0.118	-0.214	0.841
Veg.	-0.156	-0.014	-0.020	-0.027	-0.584	-0.004	-0.148	0.952
Fats & Starches	-0.106	-0.126	-0.038	0.005	-0.011	-0.841	0.030	1.088
Alcohol	-0.024	-0.044	-0.049	-0.140	-0.095	0.178	-0.703	0.877

Table G.3: Uncompensated Elasticities - Level 1: 2003/04

	Dairy & Egg	Meat	Fish	Fruit & Nuts	Veg.	Fats & Starches	Alcohol	Expenditure
Dairy & Egg	-0.318	-0.014	-0.040	-0.069	-0.109	-0.348	0.000	0.897
Meat	-0.027	-0.827	-0.022	0.024	-0.025	-0.168	-0.053	1.098
Fish	-0.078	-0.029	-0.331	0.015	-0.032	-0.077	-0.150	0.683
Fruits & Nuts	-0.094	0.129	0.002	-0.743	0.001	-0.031	-0.108	0.843
Veg.	-0.148	-0.035	-0.027	-0.005	-0.614	0.018	-0.123	0.933
Fats & Starches	-0.116	-0.097	-0.025	-0.023	-0.008	-0.831	0.013	1.087
Alcohol	0.003	-0.053	-0.061	-0.070	-0.079	0.122	-0.737	0.874

Table G.4: Uncompensated Elasticities - Level 1: 2004/05

	Dairy & Egg	Meat	Fish	Fruit & Nuts	Veg.	Fats & Starches	Alcohol	Expenditure
Dairy & Egg	-0.433	-0.010	-0.030	-0.066	-0.079	-0.292	0.014	0.897
Meat	-0.027	-0.805	-0.027	0.030	-0.051	-0.193	-0.041	1.113
Fish	-0.047	-0.037	-0.308	0.058	-0.021	-0.161	-0.133	0.649
Fruits & Nuts	-0.088	0.150	0.026	-0.815	0.001	0.088	-0.202	0.841
Veg.	-0.108	-0.103	-0.024	-0.005	-0.573	-0.052	-0.062	0.928
Fats & Starches	-0.101	-0.107	-0.037	0.000	-0.023	-0.826	0.010	1.084
Alcohol	0.013	-0.028	-0.059	-0.131	-0.039	0.104	-0.748	0.887

Table G.5: Uncompensated Elasticities - Level 1: 2005/06

	Dairy & Egg	Meat	Fish	Fruit & Nuts	Veg.	Fats & Starches	Alcohol	Expenditure
Dairy & Egg	-0.391	-0.038	-0.033	-0.064	-0.026	-0.352	0.007	0.896
Meat	-0.041	-0.824	-0.040	0.000	-0.025	-0.101	-0.079	1.108
Fish	-0.056	-0.101	-0.360	0.086	-0.018	-0.078	-0.158	0.685
Fruits & Nuts	-0.082	0.049	0.039	-0.756	-0.006	0.060	-0.181	0.878
Veg.	-0.039	-0.030	-0.021	-0.012	-0.598	-0.096	-0.151	0.947
Fats & Starches	-0.121	-0.052	-0.027	-0.002	-0.032	-0.867	0.026	1.075
Alcohol	0.006	-0.103	-0.071	-0.130	-0.104	0.146	-0.644	0.899

Table G.6: Uncompensated Elasticities - Level 1: 2006

	Dairy & Egg	Meat	Fish	Fruit & Nuts	Veg.	Fats & Starches	Alcohol	Expenditure
Dairy & Egg	-0.354	-0.029	-0.044	-0.098	-0.076	-0.325	0.019	0.906
Meat	-0.036	-0.841	-0.021	0.036	-0.022	-0.197	-0.034	1.115
Fish	-0.077	-0.006	-0.407	0.099	-0.003	-0.099	-0.190	0.685
Fruits & Nuts	-0.119	0.147	0.047	-0.765	-0.021	-0.003	-0.144	0.860
Veg.	-0.102	-0.024	-0.014	-0.029	-0.615	-0.057	-0.114	0.955
Fats & Starches	-0.111	-0.106	-0.030	-0.018	-0.022	-0.798	0.011	1.075
Alcohol	0.020	-0.017	-0.087	-0.109	-0.078	0.103	-0.721	0.889

Table G.7: Uncompensated Elasticities - Level 1: 2007

	Dairy & Egg	Meat	Fish	Fruit & Nuts	Veg.	Fats & Starches	Alcohol	Expenditure
Dairy & Egg	-0.401	0.001	0.003	-0.069	-0.112	-0.312	-0.020	0.911
Meat	-0.021	-0.736	-0.046	0.038	-0.038	-0.224	-0.091	1.119
Fish	0.032	-0.117	-0.309	-0.049	0.020	-0.090	-0.155	0.667
Fruits & Nuts	-0.085	0.153	-0.036	-0.742	-0.046	-0.007	-0.102	0.865
Veg.	-0.146	-0.060	-0.001	-0.052	-0.543	-0.045	-0.095	0.943
Fats & Starches	-0.108	-0.122	-0.030	-0.019	-0.022	-0.835	0.056	1.080
Alcohol	-0.016	-0.122	-0.073	-0.075	-0.064	0.256	-0.783	0.876

Table G.8: Uncompensated Elasticities - Level 1: 2008

	Dairy & Egg	Meat	Fish	Fruit & Nuts	Veg.	Fats & Starches	Alcohol	Expenditure
Dairy & Egg	-0.414	0.039	-0.054	-0.141	-0.122	-0.280	0.043	0.929
Meat	0.000	-0.790	-0.053	0.049	-0.017	-0.310	0.005	1.117
Fish	-0.107	-0.155	-0.328	0.044	-0.011	-0.018	-0.106	0.681
Fruits & Nuts	-0.191	0.180	0.016	-0.762	0.002	0.056	-0.174	0.872
Veg.	-0.169	-0.010	-0.018	-0.005	-0.616	-0.009	-0.125	0.952
Fats & Starches	-0.101	-0.168	-0.020	-0.004	-0.012	-0.784	0.014	1.074
Alcohol	0.055	0.067	-0.054	-0.133	-0.091	0.134	-0.826	0.847

Table G.9: Uncompensated Elasticities - Level 1: 2009

	Dairy & Egg	Meat	Fish	Fruit & Nuts	Veg.	Fats & Starches	Alcohol	Expenditure
Dairy & Egg	-0.505	-0.008	-0.048	-0.045	-0.072	-0.321	0.103	0.896
Meat	-0.030	-0.804	-0.011	0.060	-0.016	-0.230	-0.090	1.121
Fish	-0.101	0.039	-0.441	0.047	-0.042	-0.035	-0.143	0.675
Fruits & Nuts	-0.066	0.220	0.019	-0.698	-0.018	-0.117	-0.213	0.872
Veg.	-0.105	-0.001	-0.034	-0.021	-0.633	0.032	-0.173	0.935
Fats & Starches	-0.119	-0.122	-0.021	-0.039	-0.005	-0.847	0.075	1.078
Alcohol	0.110	-0.123	-0.065	-0.147	-0.124	0.332	-0.856	0.873

Table G.10: Uncompensated Elasticities - Level 2: 2001/02

	Cheese	Eggs	Cream	Milk	Other dairy	Beef	Lamb	Pork	Bacon & Ham	Poultry	Sausages
Cheese	-0.621	0.002	-0.040	-0.232	-0.003	-0.001	0.000	0.000	-0.001	-0.002	0.000
Eggs	0.090	-0.458	-0.029	-0.197	0.029	-0.001	0.000	0.000	-0.001	-0.001	0.000
Cream	-0.257	-0.067	-0.423	0.525	-0.046	0.000	0.000	0.000	0.000	-0.001	0.000
Milk	-0.184	-0.072	0.011	-0.666	-0.132	-0.001	-0.001	-0.001	-0.002	-0.002	0.000
Other dairy	-0.025	-0.021	-0.022	-0.215	-0.693	-0.001	0.000	-0.001	-0.002	-0.002	0.000
Beef	-0.001	0.000	0.000	-0.002	-0.001	-0.671	-0.085	-0.046	-0.021	0.013	-0.016
Lamb	-0.001	0.000	0.000	-0.002	-0.001	-0.194	-0.755	0.140	0.054	0.100	-0.016
Pork	-0.001	0.000	0.000	-0.002	-0.001	-0.085	0.139	-0.877	0.066	0.054	-0.081
Bacon & Ham	-0.001	0.000	0.000	-0.002	-0.001	-0.005	0.015	0.017	-0.781	0.014	0.016
Poultry	-0.001	0.000	0.000	-0.002	-0.001	0.006	0.017	0.003	-0.007	-0.971	0.002
Sausages	-0.001	0.000	0.000	-0.001	-0.001	-0.009	-0.011	-0.096	0.091	0.077	-0.640
Other meat	-0.001	0.000	0.000	-0.003	-0.001	-0.061	-0.031	-0.013	-0.087	-0.037	-0.023
White fish	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Salmon	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Blue fish	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Other fish	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-0.001	0.000
Fresh fruit	-0.003	-0.001	0.000	-0.006	-0.003	0.002	0.001	0.001	0.003	0.004	0.001
Tinned & dried fruit	-0.002	-0.001	0.000	-0.004	-0.002	0.002	0.001	0.001	0.002	0.002	0.001
Nuts	-0.002	-0.001	0.000	-0.004	-0.002	0.002	0.001	0.001	0.002	0.002	0.001
Juice	-0.002	-0.001	0.000	-0.005	-0.002	0.002	0.001	0.001	0.003	0.003	0.001
Fresh veg.	-0.003	-0.001	0.000	-0.007	-0.003	-0.002	-0.001	-0.001	-0.002	-0.003	-0.001
Canned veg.	-0.001	0.000	0.000	-0.002	-0.001	-0.001	0.000	0.000	-0.001	-0.001	0.000
Potatoes	-0.002	-0.001	0.000	-0.005	-0.002	-0.002	-0.001	-0.001	-0.003	-0.003	-0.001
Sweets	-0.003	-0.001	0.000	-0.005	-0.002	-0.002	-0.001	-0.001	-0.003	-0.003	-0.001
Starches	-0.003	-0.001	0.000	-0.006	-0.003	-0.002	-0.001	-0.001	-0.003	-0.004	-0.001
Non-alc. Drink	-0.003	-0.001	0.000	-0.005	-0.002	-0.002	-0.001	-0.001	-0.003	-0.003	-0.001
Other Starches	-0.002	-0.001	0.000	-0.005	-0.002	-0.002	-0.001	-0.001	-0.003	-0.003	-0.001
Fats	-0.002	-0.001	0.000	-0.003	-0.001	-0.001	-0.001	-0.001	-0.002	-0.002	0.000
Alcohol	0.001	0.000	0.000	0.002	0.001	0.001	0.000	0.000	0.001	0.002	0.000

Table G.11: Uncompensated Elasticities - Level 2: 2001/02 (cont.)

	Other meat	White fish	Salmon	Blue fish	Other fish	Fresh fruit	Tinned & dried fruit	Nuts	Juice
Cheese	-0.004	0.000	0.000	0.000	0.000	-0.003	0.000	0.000	-0.001
Eggs	-0.002	0.000	0.000	0.000	0.000	-0.002	0.000	0.000	-0.001
Cream	-0.001	0.000	0.000	0.000	0.000	-0.001	0.000	0.000	0.000
Milk	-0.004	0.000	0.000	0.000	0.000	-0.004	0.000	0.000	-0.001
Other dairy	-0.004	0.000	0.000	0.000	0.000	-0.004	0.000	0.000	-0.001
Beef	-0.115	0.000	0.000	0.000	-0.001	0.001	0.000	0.000	0.000
Lamb	-0.102	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Pork	0.059	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Bacon & Ham	-0.115	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Poultry	-0.011	0.000	0.000	0.000	-0.001	0.001	0.000	0.000	0.000
Sausages	-0.021	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Other meat	-0.874	0.000	0.000	0.000	-0.001	0.001	0.000	0.000	0.000
White fish	-0.001	-0.692	-0.043	-0.113	-0.103	0.004	0.000	0.000	0.001
Salmon	-0.001	-0.077	-0.732	-0.050	-0.021	0.003	0.000	0.000	0.001
Blue fish	-0.001	-0.299	-0.057	-0.475	0.046	0.003	0.000	0.000	0.001
Other fish	-0.001	-0.065	-0.021	-0.013	-0.928	0.004	0.000	0.000	0.001
Fresh fruit	0.008	0.000	0.000	0.000	0.001	-0.987	-0.039	-0.008	-0.045
Tinned & dried fruit	0.005	0.000	0.000	0.000	0.001	-0.082	-0.696	0.009	0.079
Nuts	0.005	0.000	0.000	0.000	0.001	0.189	0.012	-0.822	-0.057
Juice	0.007	0.000	0.000	0.000	0.001	-0.027	0.021	-0.032	-0.828
Fresh veg.	-0.006	0.000	0.000	0.000	-0.001	-0.003	0.000	0.000	-0.001
Canned veg.	-0.002	0.000	0.000	0.000	0.000	-0.001	0.000	0.000	0.000
Potatoes	-0.007	0.000	0.000	0.000	-0.001	0.000	0.000	0.000	0.000
Sweets	-0.007	0.000	0.000	0.000	-0.001	0.000	0.000	0.000	0.000
Starches	-0.008	0.000	0.000	0.000	-0.001	0.000	0.000	0.000	0.000
Non-alc. Drink	-0.007	0.000	0.000	0.000	-0.001	0.000	0.000	0.000	0.000
Other Starches	-0.007	0.000	0.000	0.000	-0.001	0.000	0.000	0.000	0.000
Fats	-0.004	0.000	0.000	0.000	-0.001	0.000	0.000	0.000	0.000
Alcohol	0.004	-0.001	0.000	0.000	-0.002	-0.004	-0.001	0.000	-0.001

Table G.12: Uncompensated Elasticities - Level 2: 2001/02 (cont.)

	Fresh veg.	Canned veg.	Potatoes	Sweets	Starches	Non-alc. Drink	Other Starches	Fats	Alcohol	Expend.
Cheese	-0.004	-0.001	-0.014	-0.013	-0.048	-0.015	-0.012	-0.005	-0.004	0.846
Eggs	-0.003	0.000	-0.009	-0.008	-0.031	-0.010	-0.008	-0.003	-0.002	0.534
Cream	-0.001	0.000	-0.004	-0.004	-0.015	-0.005	-0.004	-0.002	-0.001	0.254
Milk	-0.005	-0.001	-0.017	-0.015	-0.057	-0.018	-0.014	-0.006	-0.005	0.988
Other dairy	-0.005	-0.001	-0.016	-0.014	-0.053	-0.017	-0.013	-0.006	-0.004	0.924
Beef	-0.002	0.000	-0.007	-0.007	-0.025	-0.008	-0.006	-0.003	-0.077	1.059
Lamb	-0.001	0.000	-0.006	-0.006	-0.021	-0.007	-0.005	-0.002	-0.064	0.870
Pork	-0.001	0.000	-0.006	-0.005	-0.019	-0.006	-0.005	-0.002	-0.060	0.815
Bacon & Ham	-0.002	0.000	-0.007	-0.006	-0.022	-0.007	-0.006	-0.002	-0.069	0.945
Poultry	-0.002	0.000	-0.008	-0.007	-0.026	-0.008	-0.006	-0.003	-0.079	1.081
Sausages	-0.001	0.000	-0.005	-0.004	-0.016	-0.005	-0.004	-0.002	-0.050	0.685
Other meat	-0.002	0.000	-0.009	-0.008	-0.030	-0.010	-0.007	-0.003	-0.093	1.269
White fish	-0.001	0.000	-0.009	-0.008	-0.030	-0.009	-0.007	-0.003	-0.001	0.639
Salmon	-0.001	0.000	-0.008	-0.007	-0.027	-0.009	-0.007	-0.003	-0.001	0.590
Blue fish	-0.001	0.000	-0.007	-0.007	-0.025	-0.008	-0.006	-0.003	-0.001	0.527
Other fish	-0.001	0.000	-0.010	-0.009	-0.032	-0.010	-0.008	-0.003	-0.001	0.690
Fresh fruit	-0.003	0.000	0.008	0.007	0.028	0.009	0.007	0.003	0.009	0.920
Tinned & dried fruit	-0.002	0.000	0.005	0.005	0.018	0.006	0.004	0.002	0.006	0.588
Nuts	-0.002	0.000	0.005	0.005	0.017	0.006	0.004	0.002	0.005	0.578
Juice	-0.002	0.000	0.007	0.006	0.022	0.007	0.005	0.002	0.007	0.738
Fresh veg.	-1.001	-0.068	-0.004	-0.004	-0.014	-0.004	-0.003	-0.002	-0.006	1.036
Canned veg.	0.181	-0.537	-0.001	-0.001	-0.005	-0.001	-0.001	-0.001	-0.002	0.344
Potatoes	-0.001	0.000	-0.831	-0.042	-0.014	-0.012	-0.036	0.053	-0.007	1.031
Sweets	-0.001	0.000	-0.046	-0.383	-0.253	-0.133	-0.058	-0.018	-0.007	1.043
Starches	-0.002	0.000	-0.024	-0.087	-0.780	-0.012	-0.074	-0.053	-0.008	1.205
Non-alc. Drink	-0.001	0.000	-0.012	-0.112	0.026	-0.792	-0.005	0.003	-0.007	1.043
Other Starches	-0.001	0.000	-0.036	-0.056	-0.203	-0.001	-0.588	0.023	-0.007	1.007
Fats	-0.001	0.000	0.196	-0.008	-0.319	0.055	0.095	-0.583	-0.005	0.661
Alcohol	-0.002	0.000	0.000	0.000	-0.002	0.000	0.000	0.000	-0.665	0.790

Table G.13: Uncompensated Elasticities - Level 2: 2002/03

	Cheese	Eggs	Cream	Milk	Other dairy	Beef	Lamb	Pork	Bacon & Ham	Poultry	Sausages
Cheese	-0.594	0.000	-0.016	-0.263	-0.031	-0.001	0.000	0.000	-0.001	-0.002	0.000
Eggs	0.086	-0.524	-0.026	-0.174	0.074	-0.001	0.000	0.000	-0.001	-0.001	0.000
Cream	-0.002	-0.060	-0.465	0.413	-0.125	0.000	0.000	0.000	0.000	0.000	0.000
Milk	-0.195	-0.067	0.005	-0.629	-0.131	-0.001	0.000	0.000	-0.002	-0.002	0.000
Other dairy	-0.051	-0.007	-0.029	-0.202	-0.681	-0.001	0.000	0.000	-0.001	-0.002	0.000
Beef	-0.001	0.000	0.000	-0.002	-0.001	-0.595	-0.145	-0.123	-0.006	-0.090	-0.083
Lamb	-0.001	0.000	0.000	-0.002	-0.001	-0.336	-0.565	-0.090	-0.167	0.139	-0.208
Pork	-0.001	0.000	0.000	-0.002	-0.001	-0.280	-0.091	-0.797	-0.009	0.001	-0.100
Bacon & Ham	-0.001	0.000	0.000	-0.002	-0.001	0.011	-0.063	-0.006	-0.848	0.000	-0.053
Poultry	-0.001	0.000	0.000	-0.002	-0.001	-0.065	0.024	-0.010	-0.022	-1.025	-0.020
Sausages	-0.001	0.000	0.000	-0.001	-0.001	-0.196	-0.244	-0.110	-0.138	0.004	-0.792
Other meat	-0.001	0.000	0.000	-0.003	-0.001	0.009	0.046	0.047	0.009	0.042	0.077
White fish	0.000	0.000	0.000	-0.001	0.000	0.002	0.001	0.001	0.002	0.002	0.001
Salmon	0.000	0.000	0.000	-0.001	0.000	0.001	0.001	0.001	0.002	0.002	0.001
Blue fish	0.000	0.000	0.000	-0.001	0.000	0.001	0.001	0.001	0.002	0.002	0.000
Other fish	0.000	0.000	0.000	-0.001	0.000	0.002	0.001	0.001	0.002	0.003	0.001
Fresh fruit	-0.001	0.000	0.000	-0.003	-0.001	0.004	0.002	0.002	0.006	0.007	0.002
Tinned & dried fruit	-0.001	0.000	0.000	-0.002	-0.001	0.003	0.001	0.001	0.004	0.004	0.001
Nuts	-0.001	0.000	0.000	-0.002	-0.001	0.003	0.001	0.001	0.004	0.004	0.001
Juice	-0.001	0.000	0.000	-0.002	-0.001	0.003	0.001	0.001	0.004	0.005	0.001
Fresh veg.	-0.005	-0.002	0.000	-0.009	-0.004	0.000	0.000	0.000	-0.001	-0.001	0.000
Canned veg.	-0.001	-0.001	0.000	-0.003	-0.001	0.000	0.000	0.000	0.000	0.000	0.000
Potatoes	-0.003	-0.001	0.000	-0.005	-0.003	-0.003	-0.001	-0.001	-0.004	-0.005	-0.001
Sweets	-0.003	-0.001	0.000	-0.005	-0.003	-0.003	-0.001	-0.001	-0.004	-0.005	-0.001
Starches	-0.003	-0.001	0.000	-0.006	-0.003	-0.004	-0.001	-0.002	-0.005	-0.005	-0.001
Non-alc. Drink	-0.003	-0.001	0.000	-0.005	-0.003	-0.003	-0.001	-0.001	-0.004	-0.005	-0.001
Other Starches	-0.003	-0.001	0.000	-0.005	-0.003	-0.003	-0.001	-0.001	-0.004	-0.005	-0.001
Fats	-0.001	-0.001	0.000	-0.003	-0.001	-0.002	-0.001	-0.001	-0.002	-0.003	-0.001
Alcohol	-0.001	0.000	0.000	-0.001	-0.001	-0.001	0.000	0.000	-0.001	-0.002	0.000

Table G.14: Uncompensated Elasticities - Level 2: 2002/03 (cont.)

	Other meat	White fish	Salmon	Blue fish	Other fish	Fresh fruit	Tinned & dried fruit	Nuts	Juice
Cheese	-0.004	0.000	0.000	0.000	0.000	-0.002	0.000	0.000	0.000
Eggs	-0.002	0.000	0.000	0.000	0.000	-0.001	0.000	0.000	0.000
Cream	-0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Milk	-0.004	0.000	0.000	0.000	0.000	-0.002	0.000	0.000	0.000
Other dairy	-0.004	0.000	0.000	0.000	0.000	-0.002	0.000	0.000	0.000
Beef	0.389	0.000	0.000	0.000	0.000	0.002	0.000	0.000	0.000
Lamb	0.836	0.000	0.000	0.000	0.000	0.001	0.000	0.000	0.000
Pork	0.803	0.000	0.000	0.000	0.000	0.001	0.000	0.000	0.000
Bacon & Ham	0.436	0.000	0.000	0.000	0.000	0.001	0.000	0.000	0.000
Poultry	0.445	0.000	0.000	0.000	0.000	0.002	0.000	0.000	0.000
Sausages	1.328	0.000	0.000	0.000	0.000	0.001	0.000	0.000	0.000
Other meat	-1.781	0.000	0.000	0.000	0.000	0.002	0.000	0.000	0.000
White fish	0.005	-0.709	-0.084	-0.091	-0.055	0.001	0.000	0.000	0.000
Salmon	0.005	-0.172	-0.604	-0.035	-0.047	0.001	0.000	0.000	0.000
Blue fish	0.005	-0.237	-0.039	-0.493	-0.032	0.001	0.000	0.000	0.000
Other fish	0.006	-0.049	-0.029	-0.024	-0.938	0.001	0.000	0.000	0.000
Fresh fruit	0.015	0.000	0.000	0.000	0.000	-0.985	-0.030	-0.021	-0.051
Tinned & dried fruit	0.010	0.000	0.000	0.000	0.000	-0.004	-0.769	0.042	0.028
Nuts	0.010	0.000	0.000	0.000	0.000	0.046	0.055	-0.767	-0.015
Juice	0.012	0.000	0.000	0.000	0.000	-0.026	0.004	-0.014	-0.788
Fresh veg.	-0.001	0.000	0.000	0.000	-0.001	-0.002	0.000	0.000	0.000
Canned veg.	0.000	0.000	0.000	0.000	0.000	-0.001	0.000	0.000	0.000
Potatoes	-0.011	0.000	0.000	0.000	-0.001	0.000	0.000	0.000	0.000
Sweets	-0.011	0.000	0.000	0.000	-0.001	0.000	0.000	0.000	0.000
Starches	-0.012	0.000	0.000	0.000	-0.001	0.000	0.000	0.000	0.000
Non-alc. Drink	-0.011	0.000	0.000	0.000	-0.001	0.000	0.000	0.000	0.000
Other Starches	-0.010	0.000	0.000	0.000	-0.001	0.000	0.000	0.000	0.000
Fats	-0.006	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Alcohol	-0.003	0.000	0.000	0.000	-0.001	-0.006	-0.001	0.000	-0.001

Table G.15: Uncompensated Elasticities - Level 2: 2002/03 (cont.)

	Fresh veg.	Canned veg.	Potatoes	Sweets	Starches	Non-alc. Drink	Other Starches	Fats	Alcohol	Expend.
Cheese	-0.006	-0.001	-0.015	-0.014	-0.054	-0.017	-0.013	-0.006	-0.004	0.859
Eggs	-0.004	-0.001	-0.009	-0.008	-0.034	-0.010	-0.008	-0.004	-0.002	0.536
Cream	-0.002	0.000	-0.004	-0.004	-0.014	-0.004	-0.003	-0.002	-0.001	0.227
Milk	-0.006	-0.001	-0.017	-0.015	-0.061	-0.019	-0.015	-0.007	-0.004	0.967
Other dairy	-0.006	-0.001	-0.016	-0.015	-0.058	-0.018	-0.014	-0.006	-0.004	0.923
Beef	-0.001	0.000	-0.010	-0.010	-0.038	-0.012	-0.009	-0.004	-0.071	1.058
Lamb	-0.001	0.000	-0.009	-0.008	-0.033	-0.010	-0.008	-0.004	-0.061	0.915
Pork	-0.001	0.000	-0.008	-0.008	-0.031	-0.010	-0.008	-0.003	-0.057	0.846
Bacon & Ham	-0.001	0.000	-0.009	-0.008	-0.034	-0.010	-0.008	-0.004	-0.062	0.925
Poultry	-0.001	0.000	-0.011	-0.010	-0.040	-0.012	-0.010	-0.004	-0.073	1.092
Sausages	-0.001	0.000	-0.007	-0.006	-0.025	-0.008	-0.006	-0.003	-0.046	0.682
Other meat	-0.001	0.000	-0.013	-0.012	-0.047	-0.015	-0.011	-0.005	-0.087	1.293
White fish	-0.001	0.000	-0.008	-0.008	-0.031	-0.010	-0.008	-0.003	0.006	0.628
Salmon	-0.001	0.000	-0.008	-0.007	-0.028	-0.009	-0.007	-0.003	0.005	0.573
Blue fish	-0.001	0.000	-0.007	-0.007	-0.026	-0.008	-0.006	-0.003	0.005	0.536
Other fish	-0.001	0.000	-0.009	-0.009	-0.034	-0.011	-0.008	-0.004	0.006	0.695
Fresh fruit	-0.001	0.000	0.006	0.006	0.023	0.007	0.006	0.003	0.016	0.925
Tinned & dried fruit	-0.001	0.000	0.004	0.004	0.015	0.005	0.004	0.002	0.010	0.598
Nuts	-0.001	0.000	0.004	0.004	0.015	0.005	0.004	0.002	0.010	0.580
Juice	-0.001	0.000	0.005	0.004	0.018	0.005	0.004	0.002	0.012	0.701
Fresh veg.	-1.001	-0.074	0.000	0.000	-0.001	0.000	0.000	0.000	-0.001	1.051
Canned veg.	0.164	-0.519	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.348
Potatoes	-0.001	0.000	-0.853	-0.042	-0.018	-0.016	-0.018	0.048	-0.011	1.044
Sweets	-0.001	0.000	-0.047	-0.632	-0.131	-0.062	-0.057	0.013	-0.011	1.062
Starches	-0.001	0.000	-0.021	-0.047	-0.829	-0.027	-0.054	-0.048	-0.013	1.191
Non-alc. Drink	-0.001	0.000	-0.015	-0.049	-0.029	-0.820	-0.007	0.016	-0.011	1.048
Other Starches	-0.001	0.000	-0.015	-0.050	-0.133	-0.004	-0.587	-0.085	-0.011	1.015
Fats	0.000	0.000	0.181	0.082	-0.240	0.109	-0.179	-0.450	-0.006	0.577
Alcohol	-0.004	-0.001	0.008	0.007	0.028	0.009	0.007	0.003	-0.625	0.769

Table G.16: Uncompensated Elasticities - Level 2: 2003/04

	Cheese	Eggs	Cream	Milk	Other dairy	Beef	Lamb	Pork	Bacon & Ham	Poultry	Sausages
Cheese	-0.575	0.008	-0.040	-0.238	-0.046	0.000	0.000	0.000	0.000	-0.001	0.000
Eggs	0.111	-0.470	-0.089	-0.133	0.044	0.000	0.000	0.000	0.000	0.000	0.000
Cream	-0.260	-0.270	-0.509	0.885	-0.005	0.000	0.000	0.000	0.000	0.000	0.000
Milk	-0.184	-0.062	0.029	-0.677	-0.131	0.000	0.000	0.000	-0.001	-0.001	0.000
Other dairy	-0.067	-0.019	-0.019	-0.189	-0.677	0.000	0.000	0.000	0.000	-0.001	0.000
Beef	-0.001	0.000	0.000	-0.001	-0.001	-0.679	-0.094	-0.030	-0.024	-0.022	-0.028
Lamb	-0.001	0.000	0.000	-0.001	-0.001	-0.204	-0.547	0.100	-0.067	0.037	0.054
Pork	-0.001	0.000	0.000	-0.001	-0.001	-0.049	0.112	-0.771	0.045	0.010	-0.024
Bacon & Ham	-0.001	0.000	0.000	-0.001	-0.001	-0.010	-0.028	0.008	-0.712	0.007	-0.023
Poultry	-0.001	0.000	0.000	-0.001	-0.001	-0.019	0.000	-0.010	-0.013	-0.894	-0.004
Sausages	0.000	0.000	0.000	-0.001	0.000	-0.048	0.076	-0.025	-0.053	0.042	-0.617
Other meat	-0.001	0.000	0.000	-0.002	-0.001	-0.038	-0.037	-0.023	-0.069	-0.039	-0.021
White fish	-0.002	-0.001	0.000	-0.004	-0.002	-0.001	0.000	0.000	-0.001	-0.001	0.000
Salmon	-0.002	-0.001	0.000	-0.004	-0.002	-0.001	0.000	0.000	-0.001	-0.001	0.000
Blue fish	-0.002	-0.001	0.000	-0.003	-0.002	-0.001	0.000	0.000	-0.001	-0.001	0.000
Other fish	-0.002	-0.001	0.000	-0.004	-0.002	-0.001	0.000	0.000	-0.001	-0.001	0.000
Fresh fruit	-0.003	-0.001	0.000	-0.005	-0.003	0.004	0.002	0.001	0.005	0.006	0.001
Tinned & dried fruit	-0.002	-0.001	0.000	-0.003	-0.002	0.002	0.001	0.001	0.003	0.004	0.001
Nuts	-0.002	-0.001	0.000	-0.003	-0.002	0.002	0.001	0.001	0.003	0.003	0.001
Juice	-0.002	-0.001	0.000	-0.004	-0.002	0.003	0.001	0.001	0.004	0.004	0.001
Fresh veg.	-0.004	-0.001	0.000	-0.008	-0.004	-0.001	0.000	0.000	-0.001	-0.001	0.000
Canned veg.	-0.003	-0.001	0.000	-0.006	-0.003	-0.001	0.000	0.000	-0.001	-0.001	0.000
Potatoes	-0.003	-0.001	0.000	-0.006	-0.003	-0.002	-0.001	-0.001	-0.003	-0.004	-0.001
Sweets	-0.003	-0.001	0.000	-0.006	-0.003	-0.002	-0.001	-0.001	-0.003	-0.004	-0.001
Starches	-0.003	-0.001	0.000	-0.007	-0.003	-0.003	-0.001	-0.001	-0.004	-0.004	-0.001
Non-alc. Drink	-0.003	-0.001	0.000	-0.006	-0.003	-0.002	-0.001	-0.001	-0.003	-0.004	-0.001
Other Starches	-0.003	-0.001	0.000	-0.006	-0.003	-0.002	-0.001	-0.001	-0.003	-0.004	-0.001
Fats	-0.002	-0.001	0.000	-0.003	-0.002	-0.001	-0.001	-0.001	-0.002	-0.002	-0.001
Alcohol	0.000	0.000	0.000	0.000	0.000	-0.001	-0.001	0.000	-0.002	-0.002	0.000

Table G.17: Uncompensated Elasticities - Level 2: 2003/04 (cont.)

	Other meat	White fish	Salmon	Blue fish	Other fish	Fresh fruit	Tinned & dried fruit	Nuts	Juice
Cheese	-0.001	0.000	0.000	0.000	-0.001	-0.004	0.000	0.000	-0.001
Eggs	-0.001	0.000	0.000	0.000	-0.001	-0.002	0.000	0.000	0.000
Cream	0.000	0.000	0.000	0.000	0.000	-0.001	0.000	0.000	0.000
Milk	-0.001	0.000	0.000	0.000	-0.001	-0.004	0.000	0.000	-0.001
Other dairy	-0.001	0.000	0.000	0.000	-0.001	-0.004	0.000	0.000	-0.001
Beef	-0.035	0.000	0.000	0.000	-0.001	0.001	0.000	0.000	0.000
Lamb	-0.129	0.000	0.000	0.000	0.000	0.001	0.000	0.000	0.000
Pork	-0.015	0.000	0.000	0.000	0.000	0.001	0.000	0.000	0.000
Bacon & Ham	-0.065	0.000	0.000	0.000	0.000	0.001	0.000	0.000	0.000
Poultry	-0.010	0.000	0.000	0.000	-0.001	0.001	0.000	0.000	0.000
Sausages	0.002	0.000	0.000	0.000	0.000	0.001	0.000	0.000	0.000
Other meat	-0.902	0.000	0.000	0.000	-0.001	0.001	0.000	0.000	0.000
White fish	-0.003	-0.774	-0.048	-0.078	-0.032	0.001	0.000	0.000	0.000
Salmon	-0.002	-0.074	-0.676	-0.057	-0.063	0.001	0.000	0.000	0.000
Blue fish	-0.002	-0.162	-0.068	-0.522	-0.041	0.001	0.000	0.000	0.000
Other fish	-0.003	-0.031	-0.030	-0.026	-0.943	0.001	0.000	0.000	0.000
Fresh fruit	0.013	0.000	0.000	0.000	0.000	-0.984	-0.023	-0.022	-0.049
Tinned & dried fruit	0.008	0.000	0.000	0.000	0.000	0.052	-0.792	-0.027	0.084
Nuts	0.008	0.000	0.000	0.000	0.000	0.062	-0.028	-0.633	-0.042
Juice	0.010	0.000	0.000	0.000	0.000	-0.033	0.029	-0.028	-0.782
Fresh veg.	-0.003	0.000	0.000	0.000	-0.001	0.000	0.000	0.000	0.000
Canned veg.	-0.002	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Potatoes	-0.008	0.000	0.000	0.000	-0.001	-0.001	0.000	0.000	0.000
Sweets	-0.008	0.000	0.000	0.000	-0.001	-0.001	0.000	0.000	0.000
Starches	-0.010	0.000	0.000	0.000	-0.001	-0.001	0.000	0.000	0.000
Non-alc. Drink	-0.009	0.000	0.000	0.000	-0.001	-0.001	0.000	0.000	0.000
Other Starches	-0.008	0.000	0.000	0.000	-0.001	-0.001	0.000	0.000	0.000
Fats	-0.005	0.000	0.000	0.000	0.000	-0.001	0.000	0.000	0.000
Alcohol	-0.004	0.000	0.000	0.000	-0.001	-0.003	0.000	0.000	-0.001

Table G.18: Uncompensated Elasticities - Level 2: 2003/04 (cont.)

	Fresh veg.	Canned veg.	Potatoes	Sweets	Starches	Non-alc. Drink	Other Starches	Fats	Alcohol	Expend.
Cheese	-0.006	-0.001	-0.016	-0.015	-0.059	-0.020	-0.015	-0.006	-0.001	0.869
Eggs	-0.003	-0.001	-0.010	-0.009	-0.036	-0.012	-0.009	-0.004	-0.001	0.523
Cream	-0.001	0.000	-0.003	-0.003	-0.011	-0.003	-0.003	-0.001	0.000	0.154
Milk	-0.007	-0.001	-0.019	-0.018	-0.068	-0.022	-0.017	-0.007	-0.001	0.997
Other dairy	-0.006	-0.001	-0.018	-0.017	-0.064	-0.021	-0.016	-0.007	-0.001	0.945
Beef	-0.001	0.000	-0.008	-0.007	-0.028	-0.009	-0.007	-0.003	-0.075	1.041
Lamb	-0.001	0.000	-0.006	-0.006	-0.023	-0.008	-0.006	-0.002	-0.062	0.864
Pork	-0.001	0.000	-0.006	-0.005	-0.021	-0.007	-0.005	-0.002	-0.057	0.790
Bacon & Ham	-0.001	0.000	-0.007	-0.007	-0.025	-0.008	-0.006	-0.003	-0.068	0.940
Poultry	-0.001	0.000	-0.008	-0.008	-0.029	-0.010	-0.007	-0.003	-0.078	1.086
Sausages	-0.001	0.000	-0.005	-0.005	-0.019	-0.006	-0.005	-0.002	-0.051	0.712
Other meat	-0.002	0.000	-0.010	-0.009	-0.035	-0.011	-0.009	-0.004	-0.093	1.289
White fish	-0.002	0.000	-0.004	-0.003	-0.013	-0.004	-0.003	-0.001	-0.003	0.655
Salmon	-0.002	0.000	-0.003	-0.003	-0.012	-0.004	-0.003	-0.001	-0.002	0.611
Blue fish	-0.001	0.000	-0.003	-0.003	-0.011	-0.004	-0.003	-0.001	-0.002	0.557
Other fish	-0.002	0.000	-0.004	-0.004	-0.014	-0.005	-0.004	-0.001	-0.003	0.724
Fresh fruit	0.000	0.000	-0.002	-0.002	-0.006	-0.002	-0.001	-0.001	0.014	0.927
Tinned & dried fruit	0.000	0.000	-0.001	-0.001	-0.004	-0.001	-0.001	0.000	0.009	0.587
Nuts	0.000	0.000	-0.001	-0.001	-0.004	-0.001	-0.001	0.000	0.008	0.550
Juice	0.000	0.000	-0.001	-0.001	-0.005	-0.002	-0.001	0.000	0.010	0.699
Fresh veg.	-0.961	-0.056	0.001	0.001	0.003	0.001	0.001	0.000	-0.003	0.973
Canned veg.	-0.097	-0.609	0.001	0.001	0.002	0.001	0.001	0.000	-0.002	0.675
Potatoes	0.000	0.000	-0.805	-0.010	-0.023	-0.023	-0.026	0.002	-0.009	1.030
Sweets	0.000	0.000	-0.012	-0.522	-0.281	-0.021	-0.089	0.027	-0.009	1.045
Starches	0.000	0.000	-0.024	-0.089	-0.775	-0.028	-0.052	-0.055	-0.010	1.191
Non-alc. Drink	0.000	0.000	-0.023	-0.018	-0.032	-0.778	-0.051	-0.006	-0.009	1.056
Other Starches	0.000	0.000	-0.025	-0.084	-0.124	-0.057	-0.594	0.021	-0.009	1.006
Fats	0.000	0.000	0.050	0.117	-0.354	0.035	0.095	-0.480	-0.005	0.626
Alcohol	-0.004	-0.001	0.005	0.005	0.019	0.006	0.005	0.002	-0.658	0.764

Table G.19: Uncompensated Elasticities - Level 2: 2004/05

	Cheese	Eggs	Cream	Milk	Other dairy	Beef	Lamb	Pork	Bacon & Ham	Poultry	Sausages
Cheese	-0.605	0.012	-0.035	-0.267	-0.008	0.000	0.000	0.000	0.000	0.000	0.000
Eggs	0.122	-0.617	-0.037	-0.117	0.083	0.000	0.000	0.000	0.000	0.000	0.000
Cream	-0.223	-0.100	-0.417	0.689	-0.144	0.000	0.000	0.000	0.000	0.000	0.000
Milk	-0.205	-0.059	0.020	-0.626	-0.160	0.000	0.000	0.000	0.000	0.000	0.000
Other dairy	-0.031	-0.008	-0.030	-0.226	-0.697	0.000	0.000	0.000	0.000	0.000	0.000
Beef	-0.001	0.000	0.000	-0.001	-0.001	-0.632	-0.109	-0.051	-0.015	-0.020	-0.033
Lamb	-0.001	0.000	0.000	-0.001	-0.001	-0.272	-0.591	0.096	-0.081	0.122	0.043
Pork	-0.001	0.000	0.000	-0.001	-0.001	-0.105	0.097	-0.691	0.071	0.038	-0.112
Bacon & Ham	-0.001	0.000	0.000	-0.001	-0.001	0.003	-0.030	0.019	-0.700	0.001	-0.011
Poultry	-0.001	0.000	0.000	-0.001	-0.001	-0.017	0.021	-0.003	-0.021	-0.941	-0.001
Sausages	0.000	0.000	0.000	-0.001	0.000	-0.061	0.057	-0.129	-0.010	0.059	-0.605
Other meat	-0.001	0.000	0.000	-0.002	-0.001	-0.051	-0.026	-0.020	-0.077	-0.029	-0.013
White fish	-0.001	0.000	0.000	-0.002	-0.001	-0.001	0.000	0.000	-0.001	-0.001	0.000
Salmon	-0.001	0.000	0.000	-0.002	-0.001	-0.001	0.000	0.000	-0.001	-0.001	0.000
Blue fish	-0.001	0.000	0.000	-0.002	-0.001	-0.001	0.000	0.000	-0.001	-0.001	0.000
Other fish	-0.001	0.000	0.000	-0.003	-0.001	-0.001	0.000	0.000	-0.001	-0.002	0.000
Fresh fruit	-0.003	-0.001	0.000	-0.005	-0.003	0.004	0.002	0.002	0.005	0.006	0.002
Tinned & dried fruit	-0.002	-0.001	0.000	-0.003	-0.002	0.003	0.001	0.001	0.003	0.004	0.001
Nuts	-0.002	-0.001	0.000	-0.003	-0.002	0.003	0.001	0.001	0.004	0.004	0.001
Juice	-0.002	-0.001	0.000	-0.004	-0.002	0.003	0.001	0.001	0.004	0.005	0.001
Fresh veg.	-0.003	-0.001	0.000	-0.006	-0.003	-0.003	-0.001	-0.001	-0.004	-0.004	-0.001
Canned veg.	-0.001	0.000	0.000	-0.002	-0.001	-0.001	0.000	0.000	-0.001	-0.001	0.000
Potatoes	-0.002	-0.001	0.000	-0.005	-0.002	-0.003	-0.001	-0.001	-0.003	-0.004	-0.001
Sweets	-0.003	-0.001	0.000	-0.005	-0.003	-0.003	-0.001	-0.001	-0.003	-0.004	-0.001
Starches	-0.003	-0.001	0.000	-0.006	-0.003	-0.003	-0.001	-0.001	-0.004	-0.005	-0.001
Non-alc. Drink	-0.003	-0.001	0.000	-0.005	-0.003	-0.003	-0.001	-0.001	-0.003	-0.004	-0.001
Other Starches	-0.002	-0.001	0.000	-0.005	-0.003	-0.003	-0.001	-0.001	-0.003	-0.004	-0.001
Fats	-0.002	-0.001	0.000	-0.003	-0.002	-0.002	-0.001	-0.001	-0.002	-0.003	-0.001
Alcohol	0.000	0.000	0.000	0.001	0.000	-0.001	0.000	0.000	-0.001	-0.001	0.000

Table G.20: Uncompensated Elasticities - Level 2: 2004/05 (cont.)

	Other meat	White fish	Salmon	Blue fish	Other fish	Fresh fruit	Tinned & dried fruit	Nuts	Juice
Cheese	-0.001	0.000	0.000	0.000	-0.001	-0.004	0.000	0.000	-0.001
Eggs	-0.001	0.000	0.000	0.000	0.000	-0.002	0.000	0.000	0.000
Cream	0.000	0.000	0.000	0.000	0.000	-0.001	0.000	0.000	0.000
Milk	-0.001	0.000	0.000	0.000	-0.001	-0.004	0.000	0.000	-0.001
Other dairy	-0.001	0.000	0.000	0.000	-0.001	-0.004	0.000	0.000	-0.001
Beef	-0.084	0.000	0.000	0.000	-0.001	0.002	0.000	0.000	0.000
Lamb	-0.073	0.000	0.000	0.000	-0.001	0.001	0.000	0.000	0.000
Pork	0.000	0.000	0.000	0.000	-0.001	0.001	0.000	0.000	0.000
Bacon & Ham	-0.093	0.000	0.000	0.000	-0.001	0.001	0.000	0.000	0.000
Poultry	-0.003	0.000	0.000	0.000	-0.001	0.002	0.000	0.000	0.000
Sausages	0.067	0.000	0.000	0.000	0.000	0.001	0.000	0.000	0.000
Other meat	-0.889	0.000	0.000	0.000	-0.001	0.002	0.000	0.000	0.000
White fish	-0.003	-0.659	-0.041	-0.105	-0.131	0.003	0.000	0.000	0.001
Salmon	-0.003	-0.055	-0.711	-0.039	-0.042	0.003	0.000	0.000	0.000
Blue fish	-0.003	-0.206	-0.042	-0.496	-0.023	0.003	0.000	0.000	0.000
Other fish	-0.003	-0.061	-0.028	-0.026	-0.915	0.003	0.000	0.000	0.001
Fresh fruit	0.015	0.000	0.000	0.000	0.001	-1.000	-0.012	-0.029	-0.040
Tinned & dried fruit	0.009	0.000	0.000	0.000	0.000	0.168	-0.839	0.012	-0.029
Nuts	0.010	0.000	0.000	0.000	0.001	-0.016	0.008	-0.722	-0.006
Juice	0.011	0.000	0.000	0.000	0.001	-0.007	-0.024	-0.009	-0.762
Fresh veg.	-0.010	0.000	0.000	0.000	-0.001	0.000	0.000	0.000	0.000
Canned veg.	-0.003	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Potatoes	-0.009	0.000	0.000	0.000	-0.001	0.000	0.000	0.000	0.000
Sweets	-0.009	0.000	0.000	0.000	-0.001	0.000	0.000	0.000	0.000
Starches	-0.010	0.000	0.000	0.000	-0.001	0.000	0.000	0.000	0.000
Non-alc. Drink	-0.009	0.000	0.000	0.000	-0.001	0.000	0.000	0.000	0.000
Other Starches	-0.009	0.000	0.000	0.000	-0.001	0.000	0.000	0.000	0.000
Fats	-0.006	0.000	0.000	0.000	-0.001	0.000	0.000	0.000	0.000
Alcohol	-0.002	0.000	0.000	0.000	-0.001	-0.006	-0.001	-0.001	-0.001

Table G.21: Uncompensated Elasticities - Level 2: 2004/05 (cont.)

	Fresh veg.	Canned veg.	Potatoes	Sweets	Starches	Non-alc. Drink	Other Starches	Fats	Alcohol	Expend.
Cheese	-0.004	-0.001	-0.014	-0.013	-0.050	-0.016	-0.012	-0.005	-0.001	0.868
Eggs	-0.003	0.000	-0.009	-0.008	-0.031	-0.010	-0.008	-0.003	-0.001	0.544
Cream	-0.001	0.000	-0.003	-0.003	-0.011	-0.003	-0.003	-0.001	0.000	0.187
Milk	-0.005	-0.001	-0.016	-0.015	-0.057	-0.018	-0.014	-0.006	-0.001	0.989
Other dairy	-0.005	-0.001	-0.015	-0.014	-0.055	-0.017	-0.014	-0.006	-0.001	0.953
Beef	-0.003	0.000	-0.009	-0.009	-0.034	-0.011	-0.008	-0.003	-0.073	1.097
Lamb	-0.002	0.000	-0.007	-0.007	-0.027	-0.009	-0.007	-0.003	-0.059	0.878
Pork	-0.002	0.000	-0.007	-0.007	-0.025	-0.008	-0.006	-0.003	-0.054	0.817
Bacon & Ham	-0.002	0.000	-0.008	-0.008	-0.029	-0.009	-0.007	-0.003	-0.063	0.943
Poultry	-0.003	0.000	-0.009	-0.009	-0.034	-0.011	-0.009	-0.004	-0.075	1.123
Sausages	-0.002	0.000	-0.006	-0.006	-0.022	-0.007	-0.005	-0.002	-0.048	0.724
Other meat	-0.003	-0.001	-0.011	-0.010	-0.039	-0.012	-0.010	-0.004	-0.086	1.285
White fish	-0.001	0.000	-0.008	-0.007	-0.028	-0.009	-0.007	-0.003	-0.003	0.627
Salmon	-0.001	0.000	-0.007	-0.007	-0.025	-0.008	-0.006	-0.003	-0.003	0.568
Blue fish	-0.001	0.000	-0.006	-0.006	-0.023	-0.007	-0.006	-0.002	-0.003	0.514
Other fish	-0.001	0.000	-0.008	-0.008	-0.030	-0.010	-0.008	-0.003	-0.004	0.690
Fresh fruit	0.000	0.000	0.005	0.004	0.017	0.005	0.004	0.002	0.015	0.921
Tinned & dried fruit	0.000	0.000	0.003	0.003	0.011	0.003	0.003	0.001	0.010	0.586
Nuts	0.000	0.000	0.003	0.003	0.012	0.004	0.003	0.001	0.010	0.627
Juice	0.000	0.000	0.003	0.003	0.013	0.004	0.003	0.001	0.011	0.684
Fresh veg.	-1.020	-0.052	-0.003	-0.003	-0.010	-0.003	-0.003	-0.001	-0.010	1.023
Canned veg.	0.309	-0.629	-0.001	-0.001	-0.003	-0.001	-0.001	0.000	-0.003	0.305
Potatoes	-0.001	0.000	-0.288	-0.129	-0.234	-0.021	-0.166	-0.014	-0.009	0.990
Sweets	-0.001	0.000	-0.139	-0.482	-0.232	-0.067	0.009	-0.008	-0.010	1.069
Starches	-0.001	0.000	-0.085	-0.075	-0.734	-0.035	-0.047	-0.040	-0.011	1.183
Non-alc. Drink	-0.001	0.000	-0.023	-0.054	-0.056	-0.784	-0.004	0.023	-0.009	1.044
Other Starches	-0.001	0.000	-0.172	0.016	-0.108	0.000	-0.595	-0.009	-0.009	1.011
Fats	-0.001	0.000	-0.010	0.014	-0.232	0.118	0.006	-0.508	-0.006	0.710
Alcohol	-0.002	0.000	0.004	0.004	0.016	0.005	0.004	0.002	-0.668	0.787

Table G.22: Uncompensated Elasticities - Level 2: 2005/06

	Cheese	Eggs	Cream	Milk	Other dairy	Beef	Lamb	Pork	Bacon & Ham	Poultry	Sausages
Cheese	-0.574	0.001	-0.046	-0.197	-0.088	-0.001	0.000	0.000	-0.001	-0.001	0.000
Eggs	0.092	-0.628	-0.024	-0.077	0.087	-0.001	0.000	0.000	-0.001	-0.001	0.000
Cream	-0.330	-0.055	-0.443	0.760	-0.169	0.000	0.000	0.000	0.000	0.000	0.000
Milk	-0.162	-0.053	0.026	-0.684	-0.159	-0.001	0.000	0.000	-0.001	-0.002	0.000
Other dairy	-0.105	-0.006	-0.033	-0.219	-0.611	-0.001	0.000	0.000	-0.001	-0.002	0.000
Beef	-0.001	0.000	0.000	-0.002	-0.001	-0.661	-0.064	-0.028	0.010	-0.037	-0.023
Lamb	-0.001	0.000	0.000	-0.002	-0.001	-0.134	-0.608	-0.007	-0.084	0.079	-0.025
Pork	-0.001	0.000	0.000	-0.002	-0.001	-0.048	-0.005	-0.760	0.020	0.064	-0.033
Bacon & Ham	-0.001	0.000	0.000	-0.002	-0.001	0.024	-0.035	0.001	-0.671	0.007	-0.011
Poultry	-0.001	0.000	0.000	-0.002	-0.001	-0.029	0.011	0.003	-0.015	-0.965	-0.015
Sausages	-0.001	0.000	0.000	-0.001	-0.001	-0.029	-0.024	-0.032	-0.007	-0.002	-0.579
Other meat	-0.001	0.000	0.000	-0.002	-0.001	-0.071	-0.019	-0.012	-0.093	-0.008	-0.014
White fish	-0.001	0.000	0.000	-0.003	-0.001	-0.002	-0.001	-0.001	-0.003	-0.004	-0.001
Salmon	-0.001	0.000	0.000	-0.003	-0.001	-0.002	-0.001	-0.001	-0.003	-0.004	-0.001
Blue fish	-0.001	0.000	0.000	-0.002	-0.001	-0.002	-0.001	-0.001	-0.003	-0.003	-0.001
Other fish	-0.002	-0.001	0.000	-0.003	-0.002	-0.003	-0.001	-0.001	-0.003	-0.004	-0.001
Fresh fruit	-0.002	-0.001	0.000	-0.005	-0.002	0.001	0.001	0.001	0.002	0.002	0.000
Tinned & dried fruit	-0.002	-0.001	0.000	-0.003	-0.002	0.001	0.000	0.000	0.001	0.001	0.000
Nuts	-0.002	-0.001	0.000	-0.003	-0.002	0.001	0.000	0.000	0.001	0.001	0.000
Juice	-0.002	-0.001	0.000	-0.004	-0.002	0.001	0.000	0.000	0.001	0.002	0.000
Fresh veg.	-0.001	0.000	0.000	-0.002	-0.001	-0.001	0.000	0.000	-0.001	-0.001	0.000
Canned veg.	0.000	0.000	0.000	-0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Potatoes	-0.003	-0.001	0.000	-0.006	-0.003	-0.001	-0.001	0.000	-0.002	-0.002	0.000
Sweets	-0.003	-0.001	0.000	-0.006	-0.003	-0.001	-0.001	0.000	-0.002	-0.002	0.000
Starches	-0.004	-0.001	0.000	-0.007	-0.004	-0.001	-0.001	-0.001	-0.002	-0.002	-0.001
Non-alc. Drink	-0.003	-0.001	0.000	-0.006	-0.003	-0.001	-0.001	0.000	-0.002	-0.002	0.000
Other Starches	-0.003	-0.001	0.000	-0.006	-0.003	-0.001	-0.001	0.000	-0.002	-0.002	0.000
Fats	-0.002	-0.001	0.000	-0.004	-0.002	-0.001	0.000	0.000	-0.001	-0.001	0.000
Alcohol	0.000	0.000	0.000	0.000	0.000	-0.002	-0.001	-0.001	-0.003	-0.004	-0.001

Table G.23: Uncompensated Elasticities - Level 2: 2005/06 (cont.)

	Other meat	White fish	Salmon	Blue fish	Other fish	Fresh fruit	Tinned & dried fruit	Nuts	Juice
Cheese	-0.003	0.000	0.000	0.000	-0.001	-0.004	0.000	0.000	-0.001
Eggs	-0.002	0.000	0.000	0.000	-0.001	-0.002	0.000	0.000	0.000
Cream	-0.001	0.000	0.000	0.000	0.000	-0.001	0.000	0.000	0.000
Milk	-0.004	0.000	0.000	0.000	-0.001	-0.004	0.000	0.000	-0.001
Other dairy	-0.003	0.000	0.000	0.000	-0.001	-0.004	0.000	0.000	-0.001
Beef	-0.144	0.000	0.000	0.000	-0.001	0.000	0.000	0.000	0.000
Lamb	-0.006	0.000	0.000	0.000	-0.001	0.000	0.000	0.000	0.000
Pork	0.055	0.000	0.000	0.000	-0.001	0.000	0.000	0.000	0.000
Bacon & Ham	-0.144	0.000	0.000	0.000	-0.001	0.000	0.000	0.000	0.000
Poultry	0.038	0.000	0.000	0.000	-0.001	0.000	0.000	0.000	0.000
Sausages	0.059	0.000	0.000	0.000	-0.001	0.000	0.000	0.000	0.000
Other meat	-0.889	0.000	0.000	0.000	-0.001	0.000	0.000	0.000	0.000
White fish	-0.008	-0.650	0.009	-0.177	-0.096	0.005	0.000	0.000	0.001
Salmon	-0.008	0.019	-0.703	-0.077	-0.122	0.004	0.000	0.000	0.001
Blue fish	-0.007	-0.329	-0.088	-0.410	0.059	0.004	0.000	0.000	0.001
Other fish	-0.009	-0.049	-0.041	-0.015	-0.928	0.005	0.001	0.001	0.001
Fresh fruit	0.005	0.000	0.000	0.000	0.001	-0.987	-0.018	-0.021	-0.049
Tinned & dried fruit	0.003	0.000	0.000	0.000	0.001	0.091	-0.779	-0.014	0.013
Nuts	0.003	0.000	0.000	0.000	0.001	0.050	-0.016	-0.673	-0.093
Juice	0.004	0.000	0.000	0.000	0.001	-0.035	-0.003	-0.052	-0.728
Fresh veg.	-0.003	0.000	0.000	0.000	-0.001	-0.001	0.000	0.000	0.000
Canned veg.	-0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Potatoes	-0.004	0.000	0.000	0.000	-0.001	0.000	0.000	0.000	0.000
Sweets	-0.004	0.000	0.000	0.000	-0.001	0.000	0.000	0.000	0.000
Starches	-0.005	0.000	0.000	0.000	-0.001	0.000	0.000	0.000	0.000
Non-alc. Drink	-0.004	0.000	0.000	0.000	-0.001	0.000	0.000	0.000	0.000
Other Starches	-0.004	0.000	0.000	0.000	-0.001	0.000	0.000	0.000	0.000
Fats	-0.003	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Alcohol	-0.008	0.000	0.000	0.000	-0.002	-0.007	-0.001	-0.001	-0.001

Table G.24: Uncompensated Elasticities - Level 2: 2005/06 (cont.)

	Fresh veg.	Canned veg.	Potatoes	Sweets	Starches	Non-alc. Drink	Other Starches	Fats	Alcohol	Expend.
Cheese	-0.001	0.000	-0.016	-0.015	-0.061	-0.018	-0.015	-0.006	-0.003	0.872
Eggs	-0.001	0.000	-0.010	-0.009	-0.037	-0.011	-0.009	-0.004	-0.002	0.530
Cream	0.000	0.000	-0.004	-0.004	-0.016	-0.005	-0.004	-0.002	-0.001	0.228
Milk	-0.002	0.000	-0.018	-0.017	-0.070	-0.020	-0.017	-0.007	-0.004	0.995
Other dairy	-0.002	0.000	-0.017	-0.016	-0.066	-0.019	-0.016	-0.007	-0.004	0.938
Beef	-0.001	0.000	-0.005	-0.004	-0.018	-0.005	-0.004	-0.002	-0.077	1.090
Lamb	-0.001	0.000	-0.004	-0.004	-0.015	-0.004	-0.004	-0.001	-0.064	0.904
Pork	-0.001	0.000	-0.003	-0.003	-0.013	-0.004	-0.003	-0.001	-0.057	0.815
Bacon & Ham	-0.001	0.000	-0.004	-0.004	-0.015	-0.005	-0.004	-0.002	-0.067	0.955
Poultry	-0.001	0.000	-0.005	-0.004	-0.018	-0.005	-0.004	-0.002	-0.079	1.120
Sausages	-0.001	0.000	-0.003	-0.003	-0.011	-0.003	-0.003	-0.001	-0.050	0.706
Other meat	-0.002	0.000	-0.005	-0.005	-0.021	-0.006	-0.005	-0.002	-0.090	1.273
White fish	-0.001	0.000	-0.003	-0.003	-0.013	-0.004	-0.003	-0.001	-0.009	0.645
Salmon	-0.001	0.000	-0.003	-0.003	-0.013	-0.004	-0.003	-0.001	-0.009	0.623
Blue fish	-0.001	0.000	-0.003	-0.003	-0.011	-0.003	-0.003	-0.001	-0.008	0.542
Other fish	-0.001	0.000	-0.004	-0.004	-0.015	-0.004	-0.004	-0.001	-0.010	0.730
Fresh fruit	0.000	0.000	0.003	0.003	0.012	0.003	0.003	0.001	0.005	0.962
Tinned & dried fruit	0.000	0.000	0.002	0.002	0.008	0.002	0.002	0.001	0.003	0.617
Nuts	0.000	0.000	0.002	0.002	0.008	0.002	0.002	0.001	0.003	0.656
Juice	0.000	0.000	0.002	0.002	0.009	0.003	0.002	0.001	0.004	0.732
Fresh veg.	-1.006	-0.064	-0.005	-0.005	-0.019	-0.006	-0.005	-0.002	-0.003	1.041
Canned veg.	0.217	-0.541	-0.001	-0.001	-0.006	-0.002	-0.001	-0.001	-0.001	0.315
Potatoes	-0.002	0.000	-0.369	-0.102	-0.223	0.019	-0.142	-0.064	-0.005	0.998
Sweets	-0.002	0.000	-0.110	-0.541	-0.201	-0.057	-0.029	0.053	-0.005	1.003
Starches	-0.002	0.000	-0.079	-0.068	-0.762	-0.036	-0.053	-0.047	-0.005	1.182
Non-alc. Drink	-0.002	0.000	0.013	-0.049	-0.054	-0.761	-0.026	-0.029	-0.005	1.026
Other Starches	-0.002	0.000	-0.145	-0.030	-0.135	-0.030	-0.630	0.066	-0.005	1.024
Fats	-0.001	0.000	-0.136	0.167	-0.267	-0.044	0.214	-0.518	-0.003	0.662
Alcohol	-0.005	-0.001	0.006	0.006	0.023	0.007	0.006	0.002	-0.567	0.809

Table G.25: Uncompensated Elasticities - Level 2: 2006

	Cheese	Eggs	Cream	Milk	Other dairy	Beef	Lamb	Pork	Bacon & Ham	Poultry	Sausages
Cheese	-0.558	0.010	-0.033	-0.225	-0.083	-0.001	0.000	0.000	-0.001	-0.001	0.000
Eggs	0.119	-0.584	-0.027	-0.064	0.013	0.000	0.000	0.000	-0.001	-0.001	0.000
Cream	-0.185	-0.062	-0.427	0.680	-0.225	0.000	0.000	0.000	0.000	0.000	0.000
Milk	-0.184	-0.049	0.022	-0.694	-0.129	-0.001	0.000	0.000	-0.001	-0.001	0.000
Other dairy	-0.101	-0.028	-0.038	-0.164	-0.638	-0.001	0.000	0.000	-0.001	-0.001	0.000
Beef	-0.001	0.000	0.000	-0.002	-0.001	-0.608	-0.100	-0.022	0.002	-0.011	-0.029
Lamb	-0.001	0.000	0.000	-0.001	-0.001	-0.237	-0.475	0.017	-0.063	0.056	-0.014
Pork	-0.001	0.000	0.000	-0.001	-0.001	-0.028	0.022	-0.766	0.042	0.055	-0.020
Bacon & Ham	-0.001	0.000	0.000	-0.002	-0.001	0.021	-0.026	0.008	-0.724	-0.003	-0.003
Poultry	-0.001	0.000	0.000	-0.002	-0.001	-0.007	0.005	0.001	-0.021	-0.943	-0.007
Sausages	-0.001	0.000	0.000	-0.001	-0.001	-0.046	-0.009	-0.019	0.024	0.038	-0.606
Other meat	-0.001	0.000	0.000	-0.002	-0.001	-0.097	-0.026	-0.021	-0.083	-0.026	-0.020
White fish	-0.002	-0.001	0.000	-0.004	-0.002	0.000	0.000	0.000	0.000	0.000	0.000
Salmon	-0.002	-0.001	0.000	-0.004	-0.002	0.000	0.000	0.000	0.000	0.000	0.000
Blue fish	-0.002	-0.001	0.000	-0.003	-0.002	0.000	0.000	0.000	0.000	0.000	0.000
Other fish	-0.002	-0.001	0.000	-0.004	-0.002	0.000	0.000	0.000	0.000	0.000	0.000
Fresh fruit	-0.003	-0.001	0.000	-0.007	-0.004	0.004	0.002	0.002	0.005	0.006	0.001
Tinned & dried fruit	-0.002	-0.001	0.000	-0.004	-0.002	0.003	0.001	0.001	0.003	0.004	0.001
Nuts	-0.002	-0.001	0.000	-0.004	-0.002	0.003	0.001	0.001	0.003	0.004	0.001
Juice	-0.003	-0.001	0.000	-0.005	-0.003	0.003	0.001	0.001	0.004	0.005	0.001
Fresh veg.	-0.003	-0.001	0.000	-0.006	-0.003	-0.001	0.000	0.000	-0.001	-0.001	0.000
Canned veg.	-0.001	0.000	0.000	-0.002	-0.001	0.000	0.000	0.000	0.000	0.000	0.000
Potatoes	-0.003	-0.001	0.000	-0.005	-0.003	-0.003	-0.001	-0.001	-0.003	-0.004	-0.001
Sweets	-0.003	-0.001	0.000	-0.005	-0.003	-0.003	-0.001	-0.001	-0.003	-0.004	-0.001
Starches	-0.003	-0.001	0.000	-0.006	-0.003	-0.003	-0.001	-0.001	-0.004	-0.005	-0.001
Non-alc. Drink	-0.003	-0.001	0.000	-0.005	-0.003	-0.003	-0.001	-0.001	-0.003	-0.004	-0.001
Other Starches	-0.003	-0.001	0.000	-0.005	-0.003	-0.003	-0.001	-0.001	-0.003	-0.004	-0.001
Fats	-0.002	-0.001	0.000	-0.003	-0.002	-0.002	-0.001	-0.001	-0.002	-0.003	-0.001
Alcohol	0.000	0.000	0.000	0.001	0.000	0.000	0.000	0.000	0.000	-0.001	0.000

Table G.26: Uncompensated Elasticities - Level 2: 2006 (cont.)

	Other meat	White fish	Salmon	Blue fish	Other fish	Fresh fruit	Tinned & dried fruit	Nuts	Juice
Cheese	-0.002	0.000	0.000	0.000	-0.001	-0.006	-0.001	-0.001	-0.001
Eggs	-0.001	0.000	0.000	0.000	-0.001	-0.003	0.000	0.000	-0.001
Cream	-0.001	0.000	0.000	0.000	0.000	-0.001	0.000	0.000	0.000
Milk	-0.003	0.000	0.000	0.000	-0.001	-0.006	-0.001	-0.001	-0.002
Other dairy	-0.003	0.000	0.000	0.000	-0.001	-0.006	-0.001	-0.001	-0.001
Beef	-0.209	0.000	0.000	0.000	-0.001	0.002	0.000	0.000	0.001
Lamb	-0.063	0.000	0.000	0.000	0.000	0.002	0.000	0.000	0.000
Pork	-0.013	0.000	0.000	0.000	0.000	0.002	0.000	0.000	0.000
Bacon & Ham	-0.110	0.000	0.000	0.000	-0.001	0.002	0.000	0.000	0.000
Poultry	0.003	0.000	0.000	0.000	-0.001	0.002	0.000	0.000	0.001
Sausages	0.004	0.000	0.000	0.000	0.000	0.001	0.000	0.000	0.000
Other meat	-0.836	0.000	0.000	0.000	-0.001	0.002	0.000	0.000	0.001
White fish	0.000	-0.763	-0.019	-0.065	-0.074	0.006	0.001	0.001	0.001
Salmon	0.000	-0.023	-0.677	-0.136	-0.063	0.005	0.001	0.001	0.001
Blue fish	0.000	-0.102	-0.172	-0.488	-0.018	0.005	0.001	0.000	0.001
Other fish	-0.001	-0.043	-0.030	-0.026	-0.934	0.006	0.001	0.001	0.001
Fresh fruit	0.013	0.000	0.000	0.000	0.001	-0.977	-0.031	-0.026	-0.047
Tinned & dried fruit	0.008	0.000	0.000	0.000	0.001	-0.018	-0.745	0.019	0.064
Nuts	0.009	0.000	0.000	0.000	0.001	0.019	0.018	-0.664	-0.068
Juice	0.010	0.000	0.000	0.000	0.001	-0.008	0.015	-0.038	-0.799
Fresh veg.	-0.002	0.000	0.000	0.000	0.000	-0.002	0.000	0.000	0.000
Canned veg.	-0.001	0.000	0.000	0.000	0.000	-0.001	0.000	0.000	0.000
Potatoes	-0.008	0.000	0.000	0.000	-0.001	-0.001	0.000	0.000	0.000
Sweets	-0.008	0.000	0.000	0.000	-0.001	-0.001	0.000	0.000	0.000
Starches	-0.010	0.000	0.000	0.000	-0.001	-0.001	0.000	0.000	0.000
Non-alc. Drink	-0.008	0.000	0.000	0.000	-0.001	-0.001	0.000	0.000	0.000
Other Starches	-0.008	0.000	0.000	0.000	-0.001	-0.001	0.000	0.000	0.000
Fats	-0.005	0.000	0.000	0.000	-0.001	-0.001	0.000	0.000	0.000
Alcohol	-0.001	-0.001	0.000	0.000	-0.002	-0.006	-0.001	-0.001	-0.001

Table G.27: Uncompensated Elasticities - Level 2: 2006 (cont.)

	Fresh veg.	Canned veg.	Potatoes	Sweets	Starches	Non-alc. Drink	Other Starches	Fats	Alcohol	Expend.
Cheese	-0.004	-0.001	-0.015	-0.013	-0.055	-0.017	-0.014	-0.006	-0.003	0.871
Eggs	-0.003	0.000	-0.009	-0.008	-0.034	-0.010	-0.008	-0.003	-0.002	0.532
Cream	-0.001	0.000	-0.004	-0.003	-0.014	-0.004	-0.003	-0.001	-0.001	0.216
Milk	-0.005	-0.001	-0.017	-0.015	-0.064	-0.020	-0.016	-0.007	-0.003	1.013
Other dairy	-0.005	-0.001	-0.016	-0.014	-0.060	-0.018	-0.015	-0.006	-0.003	0.949
Beef	-0.001	0.000	-0.009	-0.008	-0.035	-0.011	-0.009	-0.004	-0.080	1.128
Lamb	-0.001	0.000	-0.007	-0.007	-0.028	-0.009	-0.007	-0.003	-0.064	0.900
Pork	-0.001	0.000	-0.007	-0.006	-0.025	-0.008	-0.006	-0.003	-0.058	0.817
Bacon & Ham	-0.001	0.000	-0.008	-0.007	-0.030	-0.009	-0.007	-0.003	-0.068	0.966
Poultry	-0.001	0.000	-0.009	-0.008	-0.035	-0.011	-0.009	-0.004	-0.079	1.119
Sausages	-0.001	0.000	-0.006	-0.005	-0.022	-0.007	-0.005	-0.002	-0.050	0.709
Other meat	-0.001	0.000	-0.011	-0.010	-0.040	-0.012	-0.010	-0.004	-0.091	1.280
White fish	0.000	0.000	-0.004	-0.004	-0.017	-0.005	-0.004	-0.002	-0.001	0.649
Salmon	0.000	0.000	-0.004	-0.004	-0.016	-0.005	-0.004	-0.002	-0.001	0.633
Blue fish	0.000	0.000	-0.004	-0.003	-0.014	-0.004	-0.004	-0.001	0.000	0.549
Other fish	0.000	0.000	-0.005	-0.004	-0.019	-0.006	-0.005	-0.002	-0.001	0.727
Fresh fruit	-0.001	0.000	0.000	0.000	-0.001	0.000	0.000	0.000	0.015	0.949
Tinned & dried fruit	-0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.597
Nuts	-0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.610
Juice	-0.001	0.000	0.000	0.000	-0.001	0.000	0.000	0.000	0.012	0.729
Fresh veg.	-1.007	-0.065	-0.003	-0.003	-0.011	-0.003	-0.003	-0.001	-0.002	1.050
Canned veg.	0.213	-0.539	-0.001	-0.001	-0.003	-0.001	-0.001	0.000	-0.001	0.320
Potatoes	-0.001	0.000	-0.356	-0.107	-0.199	0.000	-0.140	-0.059	-0.009	1.003
Sweets	-0.001	0.000	-0.118	-0.505	-0.252	-0.056	-0.005	0.067	-0.009	1.012
Starches	-0.001	0.000	-0.072	-0.078	-0.754	-0.038	-0.028	-0.048	-0.011	1.184
Non-alc. Drink	-0.001	0.000	-0.001	-0.044	-0.053	-0.725	-0.055	0.012	-0.009	1.007
Other Starches	-0.001	0.000	-0.141	-0.005	-0.038	-0.064	-0.649	0.021	-0.009	1.021
Fats	-0.001	0.000	-0.124	0.197	-0.285	0.078	0.092	-0.535	-0.006	0.671
Alcohol	-0.004	-0.001	0.004	0.004	0.016	0.005	0.004	0.002	-0.639	0.791

Table G.28: Uncompensated Elasticities - Level 2: 2007

	Cheese	Eggs	Cream	Milk	Other dairy	Beef	Lamb	Pork	Bacon & Ham	Poultry	Sausages
Cheese	-0.616	0.000	-0.053	-0.173	-0.076	0.000	0.000	0.000	0.000	0.000	0.000
Eggs	0.091	-0.546	-0.029	-0.099	0.025	0.000	0.000	0.000	0.000	0.000	0.000
Cream	-0.402	-0.077	-0.515	0.831	-0.043	0.000	0.000	0.000	0.000	0.000	0.000
Milk	-0.148	-0.063	0.030	-0.717	-0.139	0.000	0.000	0.000	0.000	0.000	0.000
Other dairy	-0.094	-0.027	-0.022	-0.189	-0.644	0.000	0.000	0.000	0.000	0.000	0.000
Beef	-0.001	0.000	0.000	-0.001	-0.001	-0.574	-0.074	-0.049	0.015	-0.038	-0.034
Lamb	0.000	0.000	0.000	-0.001	0.000	-0.173	-0.605	0.065	-0.041	0.036	-0.012
Pork	0.000	0.000	0.000	-0.001	0.000	-0.109	0.073	-0.679	-0.026	0.053	-0.055
Bacon & Ham	-0.001	0.000	0.000	-0.001	0.000	0.025	-0.018	-0.015	-0.719	-0.012	0.007
Poultry	-0.001	0.000	0.000	-0.001	-0.001	-0.033	0.000	0.001	-0.027	-0.890	-0.005
Sausages	0.000	0.000	0.000	-0.001	0.000	-0.061	-0.004	-0.055	0.058	0.048	-0.572
Other meat	-0.001	0.000	0.000	-0.001	-0.001	-0.084	-0.023	-0.015	-0.076	-0.028	-0.022
White fish	0.001	0.000	0.000	0.001	0.001	-0.003	-0.001	-0.001	-0.003	-0.004	-0.001
Salmon	0.001	0.000	0.000	0.001	0.001	-0.003	-0.001	-0.001	-0.003	-0.004	-0.001
Blue fish	0.001	0.000	0.000	0.001	0.001	-0.003	-0.001	-0.001	-0.003	-0.004	-0.001
Other fish	0.001	0.000	0.000	0.002	0.001	-0.003	-0.001	-0.001	-0.004	-0.005	-0.001
Fresh fruit	-0.003	-0.001	0.000	-0.005	-0.003	0.005	0.002	0.002	0.005	0.007	0.002
Tinned & dried fruit	-0.001	-0.001	0.000	-0.003	-0.001	0.003	0.001	0.001	0.003	0.004	0.001
Nuts	-0.002	-0.001	0.000	-0.003	-0.002	0.003	0.001	0.001	0.003	0.004	0.001
Juice	-0.002	-0.001	0.000	-0.004	-0.002	0.004	0.001	0.001	0.004	0.005	0.001
Fresh veg.	-0.004	-0.002	0.000	-0.007	-0.004	-0.002	-0.001	-0.001	-0.002	-0.002	-0.001
Canned veg.	-0.003	-0.001	0.000	-0.005	-0.003	-0.001	0.000	0.000	-0.001	-0.002	0.000
Potatoes	-0.003	-0.001	0.000	-0.005	-0.003	-0.003	-0.001	-0.001	-0.004	-0.004	-0.001
Sweets	-0.003	-0.001	0.000	-0.005	-0.003	-0.003	-0.001	-0.001	-0.004	-0.005	-0.001
Starches	-0.003	-0.001	0.000	-0.006	-0.003	-0.004	-0.001	-0.001	-0.004	-0.005	-0.001
Non-alc. Drink	-0.003	-0.001	0.000	-0.005	-0.003	-0.003	-0.001	-0.001	-0.004	-0.005	-0.001
Other Starches	-0.003	-0.001	0.000	-0.005	-0.003	-0.003	-0.001	-0.001	-0.004	-0.005	-0.001
Fats	-0.002	-0.001	0.000	-0.003	-0.002	-0.002	-0.001	-0.001	-0.002	-0.003	-0.001
Alcohol	0.000	0.000	0.000	-0.001	0.000	-0.003	-0.001	-0.001	-0.003	-0.004	-0.001

Table G.29: Uncompensated Elasticities - Level 2: 2007 (cont.)

	Other meat	White fish	Salmon	Blue fish	Other fish	Fresh fruit	Tinned & dried fruit	Nuts	Juice
Cheese	0.000	0.000	0.000	0.000	0.000	-0.004	0.000	0.000	-0.001
Eggs	0.000	0.000	0.000	0.000	0.000	-0.002	0.000	0.000	-0.001
Cream	0.000	0.000	0.000	0.000	0.000	-0.001	0.000	0.000	0.000
Milk	0.000	0.000	0.000	0.000	0.000	-0.005	0.000	0.000	-0.001
Other dairy	0.000	0.000	0.000	0.000	0.000	-0.004	0.000	0.000	-0.001
Beef	-0.156	0.000	0.000	0.000	-0.001	0.002	0.000	0.000	0.001
Lamb	-0.039	0.000	0.000	0.000	-0.001	0.002	0.000	0.000	0.000
Pork	0.037	0.000	0.000	0.000	-0.001	0.002	0.000	0.000	0.000
Bacon & Ham	-0.094	0.000	0.000	0.000	-0.001	0.002	0.000	0.000	0.000
Poultry	0.003	0.000	0.000	0.000	-0.001	0.002	0.000	0.000	0.001
Sausages	0.003	0.000	0.000	0.000	-0.001	0.001	0.000	0.000	0.000
Other meat	-0.850	0.000	0.000	0.000	-0.002	0.003	0.000	0.000	0.001
White fish	-0.009	-0.746	-0.078	-0.099	0.013	-0.003	0.000	0.000	-0.001
Salmon	-0.009	-0.105	-0.645	-0.061	-0.061	-0.003	0.000	0.000	-0.001
Blue fish	-0.008	-0.147	-0.062	-0.543	-0.045	-0.002	0.000	0.000	-0.001
Other fish	-0.010	-0.017	-0.031	-0.032	-0.952	-0.003	0.000	0.000	-0.001
Fresh fruit	0.014	0.000	0.000	0.000	-0.001	-1.007	-0.014	-0.022	-0.034
Tinned & dried fruit	0.008	0.000	0.000	0.000	-0.001	0.165	-0.791	-0.033	0.038
Nuts	0.009	0.000	0.000	0.000	-0.001	0.069	-0.034	-0.729	0.026
Juice	0.011	0.000	0.000	0.000	-0.001	0.021	-0.002	-0.003	-0.874
Fresh veg.	-0.005	0.000	0.000	0.000	0.000	-0.003	0.000	0.000	-0.001
Canned veg.	-0.004	0.000	0.000	0.000	0.000	-0.002	0.000	0.000	-0.001
Potatoes	-0.009	0.000	0.000	0.000	-0.001	-0.001	0.000	0.000	0.000
Sweets	-0.010	0.000	0.000	0.000	-0.001	-0.001	0.000	0.000	0.000
Starches	-0.011	0.000	0.000	0.000	-0.001	-0.001	0.000	0.000	0.000
Non-alc. Drink	-0.010	0.000	0.000	0.000	-0.001	-0.001	0.000	0.000	0.000
Other Starches	-0.010	0.000	0.000	0.000	-0.001	-0.001	0.000	0.000	0.000
Fats	-0.006	0.000	0.000	0.000	-0.001	-0.001	0.000	0.000	0.000
Alcohol	-0.009	-0.001	0.000	0.000	-0.002	-0.004	0.000	0.000	-0.001

Table G.30: Uncompensated Elasticities - Level 2: 2007 (cont.)

	Fresh veg.	Canned veg.	Potatoes	Sweets	Starches	Non-alc. Drink	Other Starches	Fats	Alcohol	Expend.
Cheese	-0.007	-0.001	-0.015	-0.013	-0.055	-0.016	-0.013	-0.006	0.000	0.897
Eggs	-0.004	-0.001	-0.009	-0.008	-0.033	-0.010	-0.008	-0.003	0.000	0.546
Cream	-0.001	0.000	-0.003	-0.003	-0.012	-0.004	-0.003	-0.001	0.000	0.202
Milk	-0.008	-0.001	-0.017	-0.015	-0.062	-0.018	-0.015	-0.006	0.000	1.014
Other dairy	-0.007	-0.001	-0.016	-0.014	-0.058	-0.017	-0.014	-0.006	0.000	0.954
Beef	-0.002	0.000	-0.010	-0.009	-0.038	-0.011	-0.009	-0.004	-0.066	1.078
Lamb	-0.002	0.000	-0.009	-0.008	-0.032	-0.009	-0.008	-0.003	-0.056	0.911
Pork	-0.002	0.000	-0.008	-0.007	-0.030	-0.009	-0.007	-0.003	-0.052	0.837
Bacon & Ham	-0.002	0.000	-0.009	-0.008	-0.035	-0.010	-0.008	-0.004	-0.060	0.979
Poultry	-0.002	0.000	-0.011	-0.010	-0.040	-0.011	-0.010	-0.004	-0.069	1.126
Sausages	-0.001	0.000	-0.007	-0.006	-0.025	-0.007	-0.006	-0.003	-0.043	0.691
Other meat	-0.003	0.000	-0.012	-0.011	-0.046	-0.013	-0.011	-0.005	-0.080	1.300
White fish	0.001	0.000	-0.004	-0.004	-0.015	-0.004	-0.004	-0.002	-0.010	0.627
Salmon	0.001	0.000	-0.004	-0.003	-0.014	-0.004	-0.003	-0.001	-0.010	0.600
Blue fish	0.001	0.000	-0.004	-0.003	-0.013	-0.004	-0.003	-0.001	-0.009	0.549
Other fish	0.001	0.000	-0.005	-0.004	-0.017	-0.005	-0.004	-0.002	-0.012	0.711
Fresh fruit	-0.003	0.000	0.000	0.000	-0.001	0.000	0.000	0.000	0.016	0.952
Tinned & dried fruit	-0.002	0.000	0.000	0.000	-0.001	0.000	0.000	0.000	0.009	0.549
Nuts	-0.002	0.000	0.000	0.000	-0.001	0.000	0.000	0.000	0.010	0.591
Juice	-0.002	0.000	0.000	0.000	-0.001	0.000	0.000	0.000	0.013	0.758
Fresh veg.	-0.954	-0.048	-0.002	-0.002	-0.008	-0.002	-0.002	-0.001	-0.006	0.975
Canned veg.	-0.099	-0.641	-0.002	-0.001	-0.006	-0.002	-0.001	-0.001	-0.004	0.720
Potatoes	-0.001	0.000	-0.374	-0.086	-0.275	-0.024	-0.104	-0.008	-0.011	1.004
Sweets	-0.001	0.000	-0.096	-0.517	-0.165	-0.087	-0.066	0.036	-0.011	1.032
Starches	-0.001	0.000	-0.093	-0.055	-0.754	-0.029	-0.036	-0.054	-0.012	1.177
Non-alc. Drink	-0.001	0.000	-0.026	-0.074	-0.042	-0.764	-0.018	0.019	-0.011	1.041
Other Starches	-0.001	0.000	-0.110	-0.062	-0.079	-0.019	-0.640	0.012	-0.011	1.034
Fats	-0.001	0.000	0.015	0.124	-0.338	0.100	0.069	-0.554	-0.007	0.673
Alcohol	-0.003	-0.001	0.011	0.010	0.040	0.011	0.010	0.004	-0.711	0.767

Table G.31: Uncompensated Elasticities - Level 2: 2008

	Cheese	Eggs	Cream	Milk	Other dairy	Beef	Lamb	Pork	Bacon & Ham	Poultry	Sausages
Cheese	-0.609	-0.014	-0.057	-0.100	-0.113	0.001	0.000	0.000	0.001	0.001	0.000
Eggs	0.035	-0.646	-0.031	0.013	0.039	0.001	0.000	0.000	0.001	0.001	0.000
Cream	-0.426	-0.085	-0.533	0.985	-0.120	0.000	0.000	0.000	0.000	0.000	0.000
Milk	-0.102	-0.039	0.038	-0.807	-0.133	0.001	0.000	0.000	0.001	0.002	0.000
Other dairy	-0.133	-0.021	-0.030	-0.178	-0.616	0.001	0.000	0.000	0.001	0.002	0.000
Beef	0.000	0.000	0.000	0.000	0.000	-0.702	-0.083	-0.019	-0.004	-0.003	0.010
Lamb	0.000	0.000	0.000	0.000	0.000	-0.195	-0.546	0.116	-0.114	0.035	-0.007
Pork	0.000	0.000	0.000	0.000	0.000	-0.021	0.116	-0.801	-0.051	0.064	-0.032
Bacon & Ham	0.000	0.000	0.000	0.000	0.000	0.012	-0.042	-0.023	-0.708	0.001	-0.017
Poultry	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.006	-0.015	-0.899	0.001
Sausages	0.000	0.000	0.000	0.000	0.000	0.076	-0.001	-0.031	-0.024	0.068	-0.643
Other meat	0.000	0.000	0.000	0.000	0.000	-0.079	-0.025	-0.021	-0.067	-0.053	-0.029
White fish	-0.003	-0.001	0.000	-0.005	-0.003	-0.004	-0.001	-0.002	-0.005	-0.006	-0.001
Salmon	-0.003	-0.001	0.000	-0.005	-0.003	-0.004	-0.001	-0.001	-0.004	-0.006	-0.001
Blue fish	-0.002	-0.001	0.000	-0.005	-0.002	-0.003	-0.001	-0.001	-0.004	-0.005	-0.001
Other fish	-0.003	-0.001	0.000	-0.006	-0.003	-0.004	-0.002	-0.002	-0.005	-0.007	-0.001
Fresh fruit	-0.006	-0.002	-0.001	-0.011	-0.006	0.005	0.002	0.002	0.006	0.008	0.002
Tinned & dried fruit	-0.003	-0.001	0.000	-0.006	-0.003	0.003	0.001	0.001	0.004	0.005	0.001
Nuts	-0.004	-0.002	0.000	-0.007	-0.004	0.003	0.001	0.001	0.004	0.005	0.001
Juice	-0.005	-0.002	0.000	-0.009	-0.005	0.004	0.002	0.002	0.005	0.006	0.001
Fresh veg.	-0.005	-0.002	0.000	-0.010	-0.005	0.000	0.000	0.000	0.000	0.000	0.000
Canned veg.	-0.002	-0.001	0.000	-0.003	-0.002	0.000	0.000	0.000	0.000	0.000	0.000
Potatoes	-0.003	-0.001	0.000	-0.005	-0.003	-0.004	-0.002	-0.002	-0.005	-0.006	-0.001
Sweets	-0.003	-0.001	0.000	-0.005	-0.003	-0.004	-0.002	-0.002	-0.005	-0.006	-0.001
Starches	-0.003	-0.001	0.000	-0.006	-0.003	-0.005	-0.002	-0.002	-0.006	-0.007	-0.002
Non-alc. Drink	-0.003	-0.001	0.000	-0.005	-0.003	-0.004	-0.002	-0.002	-0.005	-0.006	-0.001
Other Starches	-0.003	-0.001	0.000	-0.005	-0.003	-0.004	-0.002	-0.002	-0.005	-0.006	-0.001
Fats	-0.002	-0.001	0.000	-0.003	-0.002	-0.003	-0.001	-0.001	-0.003	-0.004	-0.001
Alcohol	0.001	0.001	0.000	0.002	0.001	0.001	0.001	0.001	0.002	0.002	0.001

Table G.32: Uncompensated Elasticities - Level 2: 2008 (cont.)

	Other meat	White fish	Salmon	Blue fish	Other fish	Fresh fruit	Tinned & dried fruit	Nuts	Juice
Cheese	0.003	0.000	0.000	0.000	-0.001	-0.008	-0.001	-0.001	-0.002
Eggs	0.002	0.000	0.000	0.000	-0.001	-0.005	-0.001	0.000	-0.001
Cream	0.001	0.000	0.000	0.000	0.000	-0.002	0.000	0.000	0.000
Milk	0.004	0.000	0.000	0.000	-0.002	-0.009	-0.001	-0.001	-0.002
Other dairy	0.003	0.000	0.000	0.000	-0.002	-0.009	-0.001	-0.001	-0.002
Beef	-0.168	0.000	0.000	0.000	-0.002	0.003	0.000	0.000	0.001
Lamb	-0.069	0.000	0.000	0.000	-0.001	0.002	0.000	0.000	0.001
Pork	-0.022	0.000	0.000	0.000	-0.001	0.002	0.000	0.000	0.000
Bacon & Ham	-0.075	0.000	0.000	0.000	-0.001	0.003	0.000	0.000	0.001
Poultry	-0.048	0.000	0.000	0.000	-0.001	0.003	0.000	0.000	0.001
Sausages	-0.071	0.000	0.000	0.000	-0.001	0.002	0.000	0.000	0.000
Other meat	-0.814	0.000	0.000	0.000	-0.002	0.003	0.000	0.000	0.001
White fish	-0.012	-0.675	-0.076	-0.087	-0.084	0.002	0.000	0.000	0.001
Salmon	-0.011	-0.100	-0.723	-0.048	0.002	0.002	0.000	0.000	0.001
Blue fish	-0.010	-0.155	-0.058	-0.631	0.066	0.002	0.000	0.000	0.000
Other fish	-0.013	-0.046	-0.021	-0.013	-0.953	0.003	0.000	0.000	0.001
Fresh fruit	0.016	0.000	0.000	0.000	0.000	-0.974	-0.026	-0.026	-0.050
Tinned & dried fruit	0.009	0.000	0.000	0.000	0.000	0.045	-0.798	0.077	0.046
Nuts	0.010	0.000	0.000	0.000	0.000	0.000	0.071	-0.708	-0.058
Juice	0.013	0.000	0.000	0.000	0.000	-0.042	0.004	-0.034	-0.773
Fresh veg.	-0.001	0.000	0.000	0.000	-0.001	0.000	0.000	0.000	0.000
Canned veg.	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Potatoes	-0.012	0.000	0.000	0.000	-0.001	0.000	0.000	0.000	0.000
Sweets	-0.013	0.000	0.000	0.000	-0.001	0.000	0.000	0.000	0.000
Starches	-0.015	0.000	0.000	0.000	-0.001	0.000	0.000	0.000	0.000
Non-alc. Drink	-0.013	0.000	0.000	0.000	-0.001	0.000	0.000	0.000	0.000
Other Starches	-0.013	0.000	0.000	0.000	-0.001	0.000	0.000	0.000	0.000
Fats	-0.009	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Alcohol	0.005	0.000	0.000	0.000	-0.001	-0.006	-0.001	-0.001	-0.001

Table G.33: Uncompensated Elasticities - Level 2: 2008 (cont.)

	Fresh veg.	Canned veg.	Potatoes	Sweets	Starches	Non-alc. Drink	Other Starches	Fats	Alcohol	Expend.
Cheese	-0.007	-0.001	-0.013	-0.012	-0.049	-0.014	-0.011	-0.006	0.003	0.895
Eggs	-0.004	-0.001	-0.008	-0.008	-0.032	-0.009	-0.008	-0.004	0.002	0.591
Cream	-0.001	0.000	-0.002	-0.002	-0.010	-0.003	-0.002	-0.001	0.001	0.179
Milk	-0.008	-0.001	-0.015	-0.014	-0.057	-0.016	-0.013	-0.006	0.004	1.044
Other dairy	-0.007	-0.001	-0.014	-0.013	-0.054	-0.015	-0.013	-0.006	0.004	0.979
Beef	-0.001	0.000	-0.015	-0.014	-0.057	-0.016	-0.013	-0.006	-0.069	1.132
Lamb	-0.001	0.000	-0.012	-0.011	-0.046	-0.013	-0.011	-0.005	-0.056	0.911
Pork	-0.001	0.000	-0.011	-0.011	-0.044	-0.012	-0.010	-0.005	-0.053	0.873
Bacon & Ham	-0.001	0.000	-0.013	-0.012	-0.050	-0.014	-0.012	-0.006	-0.061	0.996
Poultry	-0.001	0.000	-0.014	-0.014	-0.056	-0.016	-0.013	-0.006	-0.068	1.117
Sausages	-0.001	0.000	-0.009	-0.009	-0.037	-0.010	-0.009	-0.004	-0.045	0.731
Other meat	-0.001	0.000	-0.016	-0.015	-0.064	-0.018	-0.015	-0.007	-0.078	1.270
White fish	-0.001	0.000	-0.001	-0.001	-0.003	-0.001	-0.001	0.000	-0.013	0.648
Salmon	-0.001	0.000	-0.001	-0.001	-0.003	-0.001	-0.001	0.000	-0.012	0.610
Blue fish	-0.001	0.000	-0.001	-0.001	-0.003	-0.001	-0.001	0.000	-0.011	0.546
Other fish	-0.001	0.000	-0.001	-0.001	-0.003	-0.001	-0.001	0.000	-0.014	0.726
Fresh fruit	0.000	0.000	0.003	0.003	0.011	0.003	0.003	0.001	0.017	0.958
Tinned & dried fruit	0.000	0.000	0.002	0.002	0.007	0.002	0.002	0.001	0.010	0.560
Nuts	0.000	0.000	0.002	0.002	0.007	0.002	0.002	0.001	0.011	0.618
Juice	0.000	0.000	0.002	0.002	0.009	0.002	0.002	0.001	0.013	0.752
Fresh veg.	-1.003	-0.070	0.000	0.000	-0.002	0.000	0.000	0.000	-0.001	1.048
Canned veg.	0.173	-0.550	0.000	0.000	-0.001	0.000	0.000	0.000	0.000	0.368
Potatoes	-0.001	0.000	-0.396	-0.094	-0.200	-0.016	-0.106	-0.023	-0.013	0.980
Sweets	-0.001	0.000	-0.103	-0.511	-0.157	-0.119	-0.055	0.077	-0.014	1.018
Starches	-0.001	0.000	-0.072	-0.054	-0.752	-0.019	-0.051	-0.064	-0.016	1.187
Non-alc. Drink	-0.001	0.000	-0.018	-0.101	-0.001	-0.798	-0.003	0.049	-0.014	1.021
Other Starches	-0.001	0.000	-0.111	-0.052	-0.128	-0.001	-0.574	0.008	-0.014	1.005
Fats	0.000	0.000	-0.024	0.200	-0.386	0.164	0.048	-0.588	-0.009	0.688
Alcohol	-0.004	-0.001	0.005	0.005	0.021	0.006	0.005	0.002	-0.748	0.718

Table G.34: Uncompensated Elasticities - Level 2: 2009

	Cheese	Eggs	Cream	Milk	Other dairy	Beef	Lamb	Pork	Bacon & Ham	Poultry	Sausages
Cheese	-0.650	-0.020	-0.082	-0.090	-0.067	0.000	0.000	0.000	0.000	0.000	0.000
Eggs	0.023	-0.664	-0.007	-0.010	0.075	0.000	0.000	0.000	0.000	0.000	0.000
Cream	-0.667	0.012	-0.582	1.131	-0.054	0.000	0.000	0.000	0.000	0.000	0.000
Milk	-0.096	-0.045	0.046	-0.827	-0.141	0.000	0.000	0.000	0.000	0.000	0.000
Other dairy	-0.083	-0.007	-0.025	-0.187	-0.669	0.000	0.000	0.000	0.000	0.000	0.000
Beef	-0.001	0.000	0.000	-0.002	-0.001	-0.594	-0.012	-0.049	-0.053	-0.084	-0.016
Lamb	-0.001	0.000	0.000	-0.001	-0.001	-0.009	-0.551	0.053	0.000	0.044	-0.142
Pork	-0.001	0.000	0.000	-0.001	-0.001	-0.098	0.051	-0.779	-0.017	0.069	0.028
Bacon & Ham	-0.001	0.000	0.000	-0.001	-0.001	-0.037	-0.005	-0.014	-0.723	0.015	-0.007
Poultry	-0.001	0.000	0.000	-0.002	-0.001	-0.059	0.001	0.004	-0.002	-0.900	-0.008
Sausages	-0.001	0.000	0.000	-0.001	-0.001	-0.001	-0.135	0.035	0.016	0.034	-0.614
Other meat	-0.001	0.000	0.000	-0.002	-0.001	-0.075	-0.035	-0.014	-0.076	-0.028	-0.017
White fish	-0.003	-0.001	0.000	-0.005	-0.003	0.001	0.000	0.000	0.001	0.001	0.000
Salmon	-0.002	-0.001	0.000	-0.005	-0.003	0.001	0.000	0.000	0.001	0.001	0.000
Blue fish	-0.002	-0.001	0.000	-0.004	-0.002	0.001	0.000	0.000	0.001	0.001	0.000
Other fish	-0.003	-0.001	0.000	-0.006	-0.003	0.001	0.000	0.000	0.001	0.002	0.000
Fresh fruit	-0.002	-0.001	0.000	-0.004	-0.002	0.006	0.002	0.002	0.008	0.010	0.002
Tinned & dried fruit	-0.001	0.000	0.000	-0.002	-0.001	0.004	0.001	0.002	0.005	0.006	0.001
Nuts	-0.001	-0.001	0.000	-0.003	-0.001	0.004	0.002	0.002	0.005	0.007	0.002
Juice	-0.002	-0.001	0.000	-0.003	-0.002	0.005	0.002	0.002	0.006	0.007	0.002
Fresh veg.	-0.003	-0.001	0.000	-0.006	-0.003	0.000	0.000	0.000	0.000	0.000	0.000
Canned veg.	-0.001	0.000	0.000	-0.002	-0.001	0.000	0.000	0.000	0.000	0.000	0.000
Potatoes	-0.003	-0.001	0.000	-0.006	-0.003	-0.003	-0.001	-0.001	-0.003	-0.004	-0.001
Sweets	-0.003	-0.001	0.000	-0.006	-0.003	-0.003	-0.001	-0.001	-0.004	-0.005	-0.001
Starches	-0.004	-0.001	0.000	-0.007	-0.004	-0.004	-0.001	-0.001	-0.004	-0.005	-0.001
Non-alc. Drink	-0.003	-0.001	0.000	-0.006	-0.003	-0.003	-0.001	-0.001	-0.004	-0.005	-0.001
Other Starches	-0.003	-0.001	0.000	-0.006	-0.003	-0.003	-0.001	-0.001	-0.004	-0.005	-0.001
Fats	-0.002	-0.001	0.000	-0.004	-0.002	-0.002	-0.001	-0.001	-0.002	-0.003	-0.001
Alcohol	0.003	0.001	0.000	0.005	0.003	-0.003	-0.001	-0.001	-0.003	-0.004	-0.001

Table G.35: Uncompensated Elasticities - Level 2: 2009 (cont.)

	Other meat	White fish	Salmon	Blue fish	Other fish	Fresh fruit	Tinned & dried fruit	Nuts	Juice
Cheese	-0.001	0.000	0.000	0.000	-0.001	-0.002	0.000	0.000	-0.001
Eggs	0.000	0.000	0.000	0.000	-0.001	-0.002	0.000	0.000	0.000
Cream	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Milk	-0.001	0.000	0.000	0.000	-0.002	-0.003	0.000	0.000	-0.001
Other dairy	-0.001	0.000	0.000	0.000	-0.001	-0.003	0.000	0.000	-0.001
Beef	-0.152	0.000	0.000	0.000	0.000	0.003	0.000	0.000	0.001
Lamb	-0.160	0.000	0.000	0.000	0.000	0.003	0.000	0.000	0.001
Pork	0.040	0.000	0.000	0.000	0.000	0.002	0.000	0.000	0.001
Bacon & Ham	-0.106	0.000	0.000	0.000	0.000	0.003	0.000	0.000	0.001
Poultry	-0.005	0.000	0.000	0.000	0.000	0.003	0.000	0.000	0.001
Sausages	0.036	0.000	0.000	0.000	0.000	0.002	0.000	0.000	0.000
Other meat	-0.843	0.000	0.000	0.000	0.000	0.004	0.000	0.000	0.001
White fish	0.003	-0.743	-0.040	-0.100	-0.043	0.002	0.000	0.000	0.001
Salmon	0.003	-0.039	-0.719	0.000	-0.097	0.002	0.000	0.000	0.000
Blue fish	0.002	-0.169	0.012	-0.586	-0.016	0.002	0.000	0.000	0.000
Other fish	0.003	-0.031	-0.045	-0.026	-0.941	0.003	0.000	0.000	0.001
Fresh fruit	0.020	0.000	0.000	0.000	0.001	-0.982	-0.019	-0.028	-0.047
Tinned & dried fruit	0.012	0.000	0.000	0.000	0.000	0.108	-0.793	0.004	0.033
Nuts	0.014	0.000	0.000	0.000	0.000	-0.018	-0.003	-0.767	0.042
Juice	0.015	0.000	0.000	0.000	0.000	-0.017	0.004	0.017	-0.808
Fresh veg.	0.000	0.000	0.000	0.000	-0.001	-0.001	0.000	0.000	0.000
Canned veg.	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Potatoes	-0.009	0.000	0.000	0.000	-0.001	-0.002	0.000	0.000	0.000
Sweets	-0.010	0.000	0.000	0.000	-0.001	-0.002	0.000	0.000	0.000
Starches	-0.011	0.000	0.000	0.000	-0.001	-0.002	0.000	0.000	0.000
Non-alc. Drink	-0.009	0.000	0.000	0.000	-0.001	-0.002	0.000	0.000	0.000
Other Starches	-0.010	0.000	0.000	0.000	-0.001	-0.002	0.000	0.000	0.000
Fats	-0.006	0.000	0.000	0.000	0.000	-0.001	0.000	0.000	0.000
Alcohol	-0.009	0.000	0.000	0.000	-0.002	-0.007	-0.001	-0.001	-0.001

Table G.36: Uncompensated Elasticities - Level 2: 2009 (cont.)

	Fresh veg.	Canned veg.	Potatoes	Sweets	Starches	Non-alc. Drink	Other Starches	Fats	Alcohol	Expend.
Cheese	-0.004	-0.001	-0.014	-0.014	-0.056	-0.016	-0.014	-0.006	-0.001	0.868
Eggs	-0.003	0.000	-0.009	-0.009	-0.036	-0.010	-0.009	-0.004	0.000	0.555
Cream	-0.001	0.000	-0.003	-0.002	-0.010	-0.003	-0.002	-0.001	0.000	0.152
Milk	-0.005	-0.001	-0.017	-0.016	-0.066	-0.019	-0.016	-0.007	-0.001	1.015
Other dairy	-0.004	-0.001	-0.015	-0.015	-0.060	-0.017	-0.015	-0.006	-0.001	0.926
Beef	-0.001	0.000	-0.011	-0.010	-0.042	-0.012	-0.010	-0.004	-0.074	1.123
Lamb	-0.001	0.000	-0.008	-0.008	-0.033	-0.010	-0.008	-0.004	-0.059	0.893
Pork	-0.001	0.000	-0.008	-0.008	-0.031	-0.009	-0.008	-0.003	-0.054	0.826
Bacon & Ham	-0.001	0.000	-0.010	-0.009	-0.038	-0.011	-0.009	-0.004	-0.067	1.025
Poultry	-0.001	0.000	-0.011	-0.010	-0.042	-0.012	-0.010	-0.004	-0.075	1.133
Sausages	-0.001	0.000	-0.007	-0.007	-0.027	-0.008	-0.007	-0.003	-0.048	0.736
Other meat	-0.001	0.000	-0.012	-0.012	-0.047	-0.014	-0.012	-0.005	-0.084	1.272
White fish	-0.002	0.000	-0.002	-0.001	-0.006	-0.002	-0.001	-0.001	0.003	0.640
Salmon	-0.002	0.000	-0.001	-0.001	-0.005	-0.002	-0.001	-0.001	0.003	0.592
Blue fish	-0.002	0.000	-0.001	-0.001	-0.005	-0.001	-0.001	-0.001	0.003	0.525
Other fish	-0.003	0.000	-0.002	-0.002	-0.007	-0.002	-0.002	-0.001	0.004	0.721
Fresh fruit	-0.001	0.000	-0.006	-0.006	-0.023	-0.007	-0.006	-0.002	0.022	0.960
Tinned & dried fruit	-0.001	0.000	-0.004	-0.003	-0.014	-0.004	-0.003	-0.001	0.013	0.578
Nuts	-0.001	0.000	-0.004	-0.004	-0.016	-0.005	-0.004	-0.002	0.015	0.666
Juice	-0.001	0.000	-0.004	-0.004	-0.017	-0.005	-0.004	-0.002	0.017	0.717
Fresh veg.	-1.010	-0.071	0.002	0.002	0.006	0.002	0.002	0.001	0.000	1.037
Canned veg.	0.192	-0.586	0.001	0.001	0.002	0.001	0.001	0.000	0.000	0.377
Potatoes	0.000	0.000	-0.319	-0.139	-0.169	-0.011	-0.145	-0.058	-0.010	0.963
Sweets	0.000	0.000	-0.148	-0.575	-0.155	-0.048	-0.017	0.035	-0.011	1.041
Starches	0.000	0.000	-0.065	-0.053	-0.798	-0.043	-0.031	-0.043	-0.012	1.184
Non-alc. Drink	0.000	0.000	-0.015	-0.039	-0.079	-0.749	-0.042	0.035	-0.011	1.019
Other Starches	0.000	0.000	-0.146	-0.016	-0.059	-0.049	-0.665	0.024	-0.011	1.044
Fats	0.000	0.000	-0.113	0.121	-0.215	0.137	0.098	-0.624	-0.007	0.684
Alcohol	-0.006	-0.001	0.013	0.013	0.052	0.015	0.013	0.006	-0.786	0.763

G.3 Level 3

Table G.37: Uncompensated Elasticities - Level 3: Beef 2001/02

	Joints	Cheap Steak	Exp. Steak	Mince	Other & veal	Expend.
Joints	-0.676	0.083	0.327	0.202	0.065	1.026
Cheap Steak	0.179	-0.799	0.293	0.194	0.133	0.845
Exp. Steak	0.262	0.108	-0.515	0.189	-0.045	1.054
Mince	0.221	0.098	0.257	-0.739	0.164	0.894
Other & veal	1.424	1.340	-1.215	3.284	-4.833	2.642

Table G.38: Uncompensated Elasticities - Level 3: Beef 2002/03

	Joints	Cheap Steak	Exp. Steak	Mince	Other & veal	Expend.
Joints	-0.913	-0.040	-0.071	-0.034	0.026	1.030
Cheap Steak	-0.030	-0.853	-0.040	-0.039	0.114	0.849
Exp. Steak	-0.060	-0.043	-0.897	-0.066	0.021	1.046
Mince	0.000	-0.027	-0.037	-0.962	0.127	0.899
Other & veal	0.104	1.398	-0.091	3.076	-8.184	3.697

Table G.39: Uncompensated Elasticities - Level 3: Beef 2003/04

	Joints	Cheap Steak	Exp. Steak	Mince	Other & veal	Expend.
Joints	-0.966	-0.022	-0.060	-0.028	0.050	1.02646
Cheap Steak	-0.002	-0.781	0.016	-0.134	0.044	0.85745
Exp. Steak	-0.049	-0.017	-0.919	-0.080	0.022	1.043056
Mince	0.006	-0.071	-0.059	-0.935	0.171	0.887748
Other & veal	0.874	0.303	-0.044	4.447	-9.400	3.819459

Table G.40: Uncompensated Elasticities - Level 3: Beef 2004/05

	Joints	Cheap Steak	Exp. Steak	Mince	Other & veal	Expend.
Joints	-0.959	-0.068	-0.017	-0.022	0.044	1.022
Cheap Steak	-0.088	-0.841	0.016	-0.102	0.152	0.862
Exp. Steak	-0.020	-0.020	-0.929	-0.068	-0.023	1.059
Mince	0.011	-0.058	-0.038	-0.944	0.144	0.884
Other & veal	0.550	1.546	-1.366	2.721	-6.165	2.714

Table G.41: Uncompensated Elasticities - Level 3: Beef 2005/06

	Joints	Cheap Steak	Exp. Steak	Mince	Other & veal	Expend.
Joints	-1.022	-0.029	-0.010	-0.011	0.047	1.025
Cheap Steak	-0.018	-0.865	-0.037	-0.092	0.103	0.910
Exp. Steak	-0.012	-0.038	-0.941	-0.061	0.008	1.043
Mince	0.017	-0.055	-0.034	-0.960	0.120	0.912
Other & veal	0.787	1.398	-0.261	2.794	-7.430	2.712

Table G.42: Uncompensated Elasticities - Level 3: Beef 2006

	Joints	Cheap Steak	Exp. Steak	Mince	Other & veal	Expend.
Joints	-0.970	-0.026	-0.041	-0.049	0.056	1.030
Cheap Steak	-0.002	-0.922	-0.015	-0.079	0.161	0.858
Exp. Steak	-0.037	-0.033	-0.893	-0.065	-0.006	1.034
Mince	-0.020	-0.052	-0.041	-0.968	0.165	0.916
Other & veal	1.871	4.107	-1.940	7.694	-17.683	5.951

Table G.43: Uncompensated Elasticities - Level 3: Beef 2007

	Joints	Cheap Steak	Exp. Steak	Mince	Other & veal	Expend.
Joints	-0.869	-0.101	-0.031	-0.091	0.073	1.020
Cheap Steak	-0.128	-0.861	-0.065	-0.049	0.249	0.855
Exp. Steak	-0.024	-0.051	-0.883	-0.055	-0.018	1.032
Mince	-0.048	-0.032	-0.026	-0.965	0.148	0.924
Other & veal	3.387	9.931	-4.958	11.579	-29.809	9.870

Table G.44: Uncompensated Elasticities - Level 3: Beef 2008

	Joints	Cheap Steak	Exp. Steak	Mince	Other & veal	Expend.
Joints	-0.918	-0.095	-0.093	-0.046	0.144	1.008
Cheap Steak	-0.116	-0.867	0.029	-0.018	0.129	0.842
Exp. Steak	-0.070	-0.014	-0.904	-0.070	0.024	1.033
Mince	-0.019	-0.023	-0.045	-0.965	0.101	0.952
Other & veal	7.480	4.032	-0.004	6.850	-26.297	7.940

Table G.45: Uncompensated Elasticities - Level 3: Beef 2009

	Joints	Cheap Steak	Exp. Steak	Mince	Other & veal	Expend.
Joints	-0.919	-0.032	-0.070	-0.044	0.061	1.004
Cheap Steak	-0.014	-0.917	-0.029	-0.045	0.136	0.868
Exp. Steak	-0.054	-0.042	-0.913	-0.085	0.062	1.032
Mince	-0.019	-0.037	-0.058	-0.970	0.127	0.956
Other & veal	1.539	3.558	2.260	6.503	-19.745	5.885

Table G.46: Uncompensated Elasticities - Level 3: Lamb 2001/02

	Mutton	Joints	Chops	Other	Expend.
Mutton	-5.618	-0.074	0.462	2.649	2.581
Joints	0.013	-0.994	-0.018	-0.024	1.022
Chops	0.027	-0.005	-0.989	-0.017	0.985
Other	0.237	-0.003	0.005	-1.061	0.822

Table G.47: Uncompensated Elasticities - Level 3: Lamb 2002/03

	Mutton	Joints	Chops	Other	Expend.
Mutton	-5.166	1.199	0.438	1.412	2.116
Joints	0.046	-0.997	-0.028	-0.052	1.031
Chops	0.030	-0.015	-1.004	0.001	0.988
Other	0.183	-0.104	0.083	-0.934	0.771

Table G.48: Uncompensated Elasticities - Level 3: Lamb 2003/04

	Mutton	Joints	Chops	Other	Expend.
Mutton	-6.266	1.750	-0.366	3.283	1.599
Joints	0.041	-0.993	-0.026	-0.061	1.039
Chops	-0.003	-0.011	-0.966	-0.018	0.998
Other	0.289	-0.139	0.019	-0.963	0.794

Table G.49: Uncompensated Elasticities - Level 3: Lamb 2004/05

	Mutton	Joints	Chops	Other	Expend.
Mutton	-2.278	-0.082	0.049	0.945	1.366
Joints	0.003	-0.971	-0.039	-0.028	1.035
Chops	0.010	-0.025	-0.983	0.003	0.995
Other	0.206	-0.014	0.097	-1.079	0.789

Table G.50: Uncompensated Elasticities - Level 3: Lamb 2005/06

	Mutton	Joints	Chops	Other	Expend.
Mutton	-3.124	0.733	0.213	1.083	1.096
Joints	0.036	-0.999	-0.033	-0.033	1.029
Chops	0.013	-0.025	-0.987	-0.007	1.006
Other	0.217	-0.052	0.043	-1.045	0.837

Table G.51: Uncompensated Elasticities - Level 3: Lamb 2006

	Mutton	Joints	Chops	Other	Expend.
Mutton	-4.435	0.954	0.386	1.708	1.386
Joints	0.040	-0.999	-0.042	-0.019	1.020
Chops	0.020	-0.039	-0.988	-0.004	1.011
Other	0.232	0.010	0.059	-1.139	0.838

Table G.52: Uncompensated Elasticities - Level 3: Lamb 2007

	Mutton	Joints	Chops	Other	Expend.
Mutton	-26.524	5.119	2.854	12.909	5.642
Joints	0.045	-1.005	-0.024	-0.040	1.024
Chops	0.036	-0.011	-0.982	-0.028	0.984
Other	0.481	-0.107	-0.041	-1.092	0.759

Table G.53: Uncompensated Elasticities - Level 3: Lamb 2008

	Mutton	Joints	Chops	Other	Expend.
Mutton	-5.482	0.670	0.620	2.100	2.092
Joints	0.032	-0.985	-0.012	-0.042	1.007
Chops	0.031	-0.013	-0.997	-0.031	1.010
Other	0.221	-0.073	-0.030	-0.953	0.835

Table G.54: Uncompensated Elasticities - Level 3: Lamb 2009

	Mutton	Joints	Chops	Other	Expend.
Mutton	-44.649	6.599	3.398	20.763	13.889
Joints	0.040	-1.005	-0.027	-0.023	1.016
Chops	0.031	-0.015	-0.988	-0.009	0.981
Other	0.250	-0.009	0.022	-1.121	0.858

Table G.55: Uncompensated Elasticities - Level 3: Pork 2001/02

	Joints	Chops	Fillets & Steak	Other	Expend.
Joints	-0.991	-0.020	-0.041	0.030	1.022
Chops	-0.009	-0.951	-0.043	0.006	0.998
Fillets & Steak	-0.032	-0.052	-0.982	0.068	0.997
Other	0.179	0.066	0.380	-1.540	0.916

Table G.56: Uncompensated Elasticities - Level 3: Pork 2002/03

	Joints	Chops	Fillets & Steak	Other	Expend.
Joints	-1.013	-0.004	-0.062	0.058	1.021
Chops	0.002	-0.965	-0.039	0.001	1.001
Fillets & Steak	-0.045	-0.039	-1.003	0.094	0.993
Other	0.443	0.041	0.803	-2.191	0.904

Table G.57: Uncompensated Elasticities - Level 3: Pork 2003/04

	Joints	Chops	Fillets & Steak	Other	Expend.
Joints	-0.962	0.001	-0.036	-0.051	1.048
Chops	0.016	-0.996	-0.018	0.006	0.993
Fillets & Steak	-0.028	-0.027	-0.960	-0.008	1.023
Other	-0.042	0.038	0.023	-0.914	0.895

Table G.58: Uncompensated Elasticities - Level 3: Pork 2004/05

	Joints	Chops	Fillets & Steak	Other	Expend.
Joints	-0.965	0.024	-0.060	-0.049	1.049
Chops	0.033	-0.995	-0.035	-0.016	1.013
Fillets & Steak	-0.058	-0.044	-0.949	0.033	1.018
Other	-0.038	0.018	0.102	-0.928	0.846

Table G.59: Uncompensated Elasticities - Level 3: Pork 2005/06

	Joints	Chops	Fillets & Steak	Other	Expend.
Joints	-0.940	-0.050	-0.026	-0.024	1.040
Chops	-0.036	-0.915	-0.019	-0.040	1.010
Fillets & Steak	-0.018	-0.022	-0.956	-0.016	1.012
Other	-0.001	-0.043	0.005	-0.854	0.892

Table G.60: Uncompensated Elasticities - Level 3: Pork 2006

	Joints	Chops	Fillets & Steak	Other	Expend.
Joints	-0.946	-0.032	-0.043	-0.032	1.053
Chops	-0.015	-0.925	-0.018	-0.037	0.995
Fillets & Steak	-0.037	-0.027	-0.962	0.003	1.023
Other	-0.010	-0.037	0.054	-0.856	0.849

Table G.61: Uncompensated Elasticities - Level 3: Pork 2007

	Joints	Chops	Fillets & Steak	Other	Expend.
Joints	-0.980	0.004	-0.049	-0.027	1.051
Chops	0.023	-0.938	-0.027	-0.057	0.999
Fillets & Steak	-0.049	-0.030	-0.991	0.049	1.020
Other	0.007	-0.065	0.157	-0.926	0.828

Table G.62: Uncompensated Elasticities - Level 3: Pork 2008

	Joints	Chops	Fillets & Steak	Other	Expend.
Joints	-0.958	-0.010	-0.045	-0.038	1.050
Chops	0.001	-0.904	-0.026	-0.079	1.008
Fillets & Steak	-0.038	-0.025	-1.022	0.070	1.015
Other	-0.018	-0.102	0.188	-0.913	0.844

Table G.63: Uncompensated Elasticities - Level 3: Pork 2009

	Joints	Chops	Fillets & Steak	Other	Expend.
Joints	-0.959	-0.013	-0.039	-0.045	1.056
Chops	0.007	-0.920	-0.023	-0.049	0.986
Fillets & Steak	-0.031	-0.031	-1.006	0.052	1.016
Other	-0.034	-0.057	0.117	-0.923	0.897

Table G.64: Uncompensated Elasticities - Level 3: Poultry 2001/02

	Chicken	Turkey	Other poultry	Cooked & Takeaw.	Expend.
Chicken	-0.996	-0.006	0.003	-0.026	1.026
Turkey	0.009	-1.071	0.073	0.026	0.963
Other poultry	-0.489	0.653	-3.356	1.116	2.077
Cooked & Takeaw.	0.009	0.018	0.061	-1.003	0.915

Table G.65: Uncompensated Elasticities - Level 3: Poultry 2002/03

	Chicken	Turkey	Other poultry	Cooked & Takeaw.	Expend.
Chicken	-0.994	-0.016	-0.007	-0.009	1.027
Turkey	-0.034	-1.118	0.190	0.017	0.944
Other poultry	-0.605	1.073	-2.633	0.516	1.649
Cooked & Takeaw.	0.042	0.009	0.048	-1.021	0.922

Table G.66: Uncompensated Elasticities - Level 3: Poultry 2003/04

	Chicken	Turkey	Other poultry	Cooked & Takeaw.	Expend.
Chicken	-1.001	-0.008	-0.005	-0.020	1.035
Turkey	0.022	-1.113	0.083	0.084	0.924
Other poultry	-0.676	0.495	-3.003	1.426	1.759
Cooked & Takeaw.	0.032	0.036	0.094	-1.066	0.904

Table G.67: Uncompensated Elasticities - Level 3: Poultry 2004/05

	Chicken	Turkey	Other poultry	Cooked & Takeaw.	Expend.
Chicken	-1.000	-0.016	0.009	-0.017	1.025
Turkey	-0.041	-1.024	0.062	0.045	0.957
Other poultry	-0.144	0.321	-2.892	0.936	1.778
Cooked & Takeaw.	0.028	0.024	0.074	-1.041	0.914

Table G.68: Uncompensated Elasticities - Level 3: Poultry 2005/06

	Chicken	Turkey	Other poultry	Cooked & Takeaw.	Expend.
Chicken	-0.993	-0.011	-0.004	-0.022	1.031
Turkey	-0.014	-1.047	0.059	0.066	0.936
Other poultry	-0.364	0.187	-1.986	0.736	1.426
Cooked & Takeaw.	0.022	0.025	0.078	-1.036	0.911

Table G.69: Uncompensated Elasticities - Level 3: Poultry 2006

	Chicken	Turkey	Other poultry	Cooked & Takeaw.	Expend.
Chicken	-0.990	-0.009	-0.006	-0.023	1.028
Turkey	-0.018	-1.027	0.047	0.046	0.953
Other poultry	-0.649	0.229	-2.093	0.885	1.628
Cooked & Takeaw.	0.017	0.018	0.057	-1.010	0.917

Table G.70: Uncompensated Elasticities - Level 3: Poultry 2007

	Chicken	Turkey	Other poultry	Cooked & Takeaw.	Expend.
Chicken	-1.000	-0.011	0.009	-0.025	1.026
Turkey	-0.033	-1.006	0.028	0.046	0.965
Other poultry	-0.252	0.073	-3.056	1.232	2.003
Cooked & Takeaw.	0.027	0.026	0.095	-1.034	0.886

Table G.71: Uncompensated Elasticities - Level 3: Poultry 2008

	Chicken	Turkey	Other poultry	Cooked & Takeaw.	Expend.
Chicken	-0.998	-0.018	0.000	-0.018	1.035
Turkey	-0.068	-0.942	0.050	0.041	0.920
Other poultry	-0.428	0.169	-2.296	0.864	1.691
Cooked & Takeaw.	0.052	0.018	0.080	-1.029	0.880

Table G.72: Uncompensated Elasticities - Level 3: Poultry 2009

	Chicken	Turkey	Other poultry	Cooked & Takeaw.	Expend.
Chicken	-0.991	-0.030	0.005	-0.015	1.030
Turkey	-0.178	-0.910	0.045	0.098	0.944
Other poultry	-0.362	0.117	-2.277	0.704	1.817
Cooked & Takeaw.	0.065	0.039	0.075	-1.051	0.872

Table G.73: Uncompensated Elasticities - Level 3: Other Meat 2001/02

	Liver	Canned & Frozen	Processed & Takeaw.	Ready meals	Expend.
Liver	-1.969	-0.542	1.356	-0.388	1.543
Canned & Frozen	-0.075	-0.651	0.248	0.102	0.375
Processed & Takeaw.	0.022	-0.021	-0.983	-0.090	1.072
Ready meals	-0.011	-0.003	-0.184	-0.706	0.903

Table G.74: Uncompensated Elasticities - Level 3: Other Meat 2002/03

	Liver	Canned & Frozen	Processed & Takeaw.	Ready meals	Expend.
Liver	-2.180	-0.208	0.641	0.036	1.712
Canned & Frozen	-0.021	-0.586	0.130	0.039	0.438
Processed & Takeaw.	0.014	-0.026	-0.969	-0.084	1.065
Ready meals	0.009	-0.018	-0.160	-0.742	0.911

Table G.75: Uncompensated Elasticities - Level 3: Other Meat 2003/04

	Liver	Canned & Frozen	Processed & Takeaw.	Ready meals	Expend.
Liver	-1.938	0.223	0.488	-0.322	1.550
Canned & Frozen	0.049	-0.657	0.259	-0.035	0.384
Processed & Takeaw.	0.012	-0.019	-0.981	-0.083	1.072
Ready meals	-0.008	-0.042	-0.149	-0.717	0.916

Table G.76: Uncompensated Elasticities - Level 3: Other Meat 2004/05

	Liver	Canned & Frozen	Processed & Takeaw.	Ready meals	Expend.
Liver	-3.36955	-0.35375	1.284415	0.120589	2.318295
Canned & Frozen	-0.0273	-0.57443	0.182824	-0.02896	0.447865
Processed & Takeaw.	0.023639	-0.02344	-0.98948	-0.07589	1.065162
Ready meals	0.015088	-0.03869	-0.13327	-0.75134	0.908205

Table G.77: Uncompensated Elasticities - Level 3: Other Meat 2005/06

	Liver	Canned & Frozen	Processed & Takeaw.	Ready meals	Expend.
Liver	-2.992	0.481	0.966	-0.759	2.304
Canned & Frozen	0.066	-0.681	0.103	0.021	0.491
Processed & Takeaw.	0.020	-0.032	-0.978	-0.077	1.067
Ready meals	-0.018	-0.023	-0.146	-0.716	0.903

Table G.78: Uncompensated Elasticities - Level 3: Other Meat 2006

	Liver	Canned & Frozen	Processed & Takeaw.	Ready meals	Expend.
Liver	-3.811	0.271	-0.322	1.241	2.621
Canned & Frozen	0.036	-0.613	0.117	-0.021	0.481
Processed & Takeaw.	0.007	-0.032	-0.973	-0.072	1.069
Ready meals	0.050	-0.038	-0.134	-0.770	0.892

Table G.79: Uncompensated Elasticities - Level 3: Other Meat 2007

	Liver	Canned & Frozen	Processed & Takeaw.	Ready meals	Expend.
Liver	-3.585	0.712	-0.164	0.164	2.873
Canned & Frozen	0.076	-0.582	0.112	-0.078	0.471
Processed & Takeaw.	0.010	-0.032	-0.980	-0.065	1.068
Ready meals	0.018	-0.060	-0.115	-0.724	0.881

Table G.80: Uncompensated Elasticities - Level 3: Other Meat 2008

	Liver	Canned & Frozen	Processed & Takeaw.	Ready meals	Expend.
Liver	-2.708	0.302	0.518	-0.693	2.581
Canned & Frozen	0.045	-0.694	0.081	0.046	0.522
Processed & Takeaw.	0.017	-0.034	-0.965	-0.085	1.067
Ready meals	-0.016	-0.008	-0.195	-0.656	0.875

Table G.81: Uncompensated Elasticities - Level 3: Other Meat 2009

	Liver	Canned & Frozen	Processed & Takeaw.	Ready meals	Expend.
Liver	-3.588	0.560	0.206	0.009	2.813
Canned & Frozen	0.074	-0.660	0.102	-0.001	0.485
Processed & Takeaw.	0.016	-0.036	-0.972	-0.079	1.071
Ready meals	0.016	-0.032	-0.159	-0.698	0.873

Table G.82: Uncompensated Elasticities - Level 3: Fresh Fruits 2001/02

	Citrus	Apples & Pears	Bananas	Grapes	Other fresh fruits	Expend.
Citrus	-0.936	0.013	0.001	-0.019	-0.006	0.947
Apples & Pears	0.000	-0.809	-0.093	-0.043	-0.059	1.003
Bananas	0.008	-0.079	-0.738	-0.069	-0.021	0.898
Grapes	-0.017	-0.060	-0.123	-0.573	-0.124	0.897
Other fresh fruits	-0.036	-0.090	-0.072	-0.087	-0.871	1.157

Table G.83: Uncompensated Elasticities - Level 3: Fresh Fruits 2002/03

	Citrus	Apples & Pears	Bananas	Grapes	Other fresh fruits	Expend.
Citrus	-0.994	-0.012	0.002	0.040	0.003	0.960
Apples & Pears	-0.015	-0.791	-0.078	-0.087	-0.029	1.000
Bananas	0.019	-0.063	-0.690	-0.059	-0.061	0.854
Grapes	0.070	-0.145	-0.099	-0.619	-0.076	0.870
Other fresh fruits	-0.032	-0.064	-0.100	-0.066	-0.907	1.170

Table G.84: Uncompensated Elasticities - Level 3: Fresh Fruits 2003/04

	Citrus	Apples & Pears	Bananas	Grapes	Other fresh fruits	Expend.
Citrus	-0.898	-0.026	0.007	-0.021	-0.002	0.941
Apples & Pears	-0.026	-0.766	-0.073	-0.045	-0.080	0.990
Bananas	0.023	-0.069	-0.644	-0.102	-0.054	0.846
Grapes	-0.019	-0.063	-0.145	-0.568	-0.089	0.884
Other fresh fruits	-0.039	-0.109	-0.086	-0.073	-0.867	1.174

Table G.85: Uncompensated Elasticities - Level 3: Fresh Fruits 2004/05

	Citrus	Apples & Pears	Bananas	Grapes	Other fresh fruits	Expend.
Citrus	-0.804	-0.017	-0.054	-0.018	-0.042	0.935
Apples & Pears	-0.017	-0.727	-0.080	-0.062	-0.086	0.972
Bananas	-0.031	-0.078	-0.574	-0.032	-0.090	0.804
Grapes	-0.013	-0.093	-0.051	-0.602	-0.108	0.866
Other fresh fruits	-0.058	-0.111	-0.105	-0.079	-0.839	1.192

Table G.86: Uncompensated Elasticities - Level 3: Fresh Fruits 2005/06

	Citrus	Apples & Pears	Bananas	Grapes	Other fresh fruits	Expend.
Citrus	-0.833	-0.069	0.020	0.005	-0.056	0.933
Apples & Pears	-0.052	-0.670	-0.081	-0.068	-0.096	0.966
Bananas	0.034	-0.075	-0.617	-0.052	-0.112	0.822
Grapes	0.015	-0.089	-0.073	-0.652	-0.068	0.866
Other fresh fruits	-0.061	-0.107	-0.113	-0.068	-0.838	1.186

Table G.87: Uncompensated Elasticities - Level 3: Fresh Fruits 2006

	Citrus	Apples & Pears	Bananas	Grapes	Other fresh fruits	Expend.
Citrus	-0.805	-0.018	-0.013	-0.033	-0.043	0.913
Apples & Pears	-0.021	-0.720	-0.030	-0.051	-0.153	0.975
Bananas	0.004	-0.004	-0.645	-0.034	-0.126	0.806
Grapes	-0.027	-0.060	-0.048	-0.646	-0.058	0.839
Other fresh fruits	-0.056	-0.138	-0.115	-0.063	-0.817	1.189

Table G.88: Uncompensated Elasticities - Level 3: Fresh Fruits 2007

	Citrus	Apples & Pears	Bananas	Grapes	Other fresh fruits	Expend.
Citrus	-0.808	0.017	-0.050	-0.091	0.001	0.930
Apples & Pears	0.004	-0.758	-0.042	-0.064	-0.121	0.981
Bananas	-0.028	-0.021	-0.566	-0.045	-0.137	0.796
Grapes	-0.089	-0.077	-0.059	-0.581	-0.026	0.831
Other fresh fruits	-0.035	-0.115	-0.116	-0.053	-0.862	1.182

Table G.89: Uncompensated Elasticities - Level 3: Fresh Fruits 2008

	Citrus	Apples & Pears	Bananas	Grapes	Other fresh fruits	Expend.
Citrus	-0.863	0.023	-0.031	-0.061	0.001	0.932
Apples & Pears	0.009	-0.764	-0.040	-0.050	-0.130	0.976
Bananas	-0.006	-0.012	-0.584	-0.057	-0.105	0.765
Grapes	-0.058	-0.058	-0.080	-0.543	-0.125	0.864
Other fresh fruits	-0.035	-0.118	-0.104	-0.085	-0.840	1.183

Table G.90: Uncompensated Elasticities - Level 3: Fresh Fruits 2009

	Citrus	Apples & Pears	Bananas	Grapes	Other fresh fruits	Expend.
Citrus	-0.790	-0.029	-0.060	-0.011	-0.041	0.930
Apples & Pears	-0.024	-0.772	-0.068	-0.067	-0.034	0.965
Bananas	-0.036	-0.059	-0.525	-0.041	-0.116	0.776
Grapes	-0.003	-0.091	-0.060	-0.630	-0.085	0.869
Other fresh fruits	-0.051	-0.066	-0.105	-0.070	-0.890	1.181

Table G.91: Uncompensated Elasticities - Level 3: Fresh Vegetables 2001/02

	Brassica	Root crops	Lettuce	Legumes	Other	Onions	Tomatoes	Expend.
Brassica	-0.748	-0.045	-0.056	0.018	0.003	-0.022	-0.066	0.916
Root crops	-0.059	-0.681	-0.090	-0.042	-0.058	-0.006	-0.018	0.953
Lettuce	-0.055	-0.067	-0.668	-0.039	-0.022	-0.033	-0.078	0.962
Legumes	0.068	-0.068	-0.084	-0.769	0.069	0.017	0.013	0.754
Other	-0.032	-0.043	-0.041	-0.010	-0.962	-0.031	-0.050	1.171
Onions	-0.033	-0.005	-0.049	0.000	-0.031	-0.788	-0.029	0.935
Tomatoes	-0.058	-0.008	-0.070	-0.003	-0.024	-0.015	-0.723	0.900

Table G.92: Uncompensated Elasticities - Level 3: Fresh Vegetables 2002/03

	Brassica	Root crops	Lettuce	Legumes	Other	Onions	Tomatoes	Expend.
Brassica	-0.730	-0.017	-0.044	0.056	-0.052	-0.023	-0.095	0.906
Root crops	-0.026	-0.635	-0.067	0.021	-0.139	-0.002	-0.098	0.947
Lettuce	-0.048	-0.052	-0.711	-0.066	-0.044	-0.017	-0.051	0.989
Legumes	0.148	0.060	-0.139	-0.754	0.000	0.017	-0.076	0.744
Other	-0.055	-0.070	-0.048	-0.024	-0.902	-0.035	-0.041	1.175
Onions	-0.035	-0.001	-0.018	0.000	-0.041	-0.771	-0.065	0.931
Tomatoes	-0.079	-0.063	-0.036	-0.037	0.003	-0.037	-0.648	0.897

Table G.93: Uncompensated Elasticities - Level 3: Fresh Vegetables 2003/04

	Brassica	Root crops	Lettuce	Legumes	Other	Onions	Tomatoes	Expend.
Brassica	-0.746	-0.051	-0.052	0.004	0.036	-0.026	-0.077	0.912
Root crops	-0.066	-0.672	-0.049	-0.019	-0.053	-0.001	-0.059	0.919
Lettuce	-0.051	-0.037	-0.716	-0.054	-0.065	-0.020	-0.036	0.979
Legumes	0.029	-0.018	-0.114	-0.648	-0.012	0.037	-0.030	0.756
Other	-0.019	-0.041	-0.060	-0.026	-0.937	-0.037	-0.053	1.174
Onions	-0.036	0.000	-0.025	0.015	-0.049	-0.770	-0.044	0.910
Tomatoes	-0.063	-0.038	-0.027	-0.020	-0.029	-0.026	-0.720	0.922

Table G.94: Uncompensated Elasticities - Level 3: Fresh Vegetables 2004/05

	Brassica	Root crops	Lettuce	Legumes	Other	Onions	Tomatoes	Expend.
Brassica	-0.679	-0.052	-0.093	0.027	-0.012	-0.014	-0.071	0.894
Root crops	-0.065	-0.717	-0.050	0.050	-0.088	-0.009	-0.067	0.945
Lettuce	-0.087	-0.039	-0.699	-0.051	-0.047	-0.013	-0.023	0.959
Legumes	0.089	0.131	-0.104	-0.654	-0.181	0.087	-0.066	0.697
Other	-0.041	-0.055	-0.054	-0.054	-0.904	-0.035	-0.046	1.188
Onions	-0.023	-0.007	-0.015	0.041	-0.042	-0.794	-0.074	0.915
Tomatoes	-0.060	-0.044	-0.014	-0.034	-0.006	-0.042	-0.703	0.902

Table G.95: Uncompensated Elasticities - Level 3: Fresh Vegetables 2005/06

	Brassica	Root crops	Lettuce	Legumes	Other	Onions	Tomatoes	Expend.
Brassica	-0.750	-0.056	-0.054	0.001	0.024	0.000	-0.061	0.896
Root crops	-0.067	-0.685	-0.035	-0.009	-0.073	0.005	-0.069	0.933
Lettuce	-0.056	-0.031	-0.672	-0.057	-0.076	-0.012	-0.042	0.946
Legumes	0.021	0.003	-0.113	-0.630	-0.047	0.044	-0.017	0.739
Other	-0.028	-0.054	-0.064	-0.033	-0.924	-0.031	-0.054	1.189
Onions	-0.005	0.007	-0.018	0.018	-0.035	-0.812	-0.087	0.934
Tomatoes	-0.054	-0.051	-0.033	-0.015	-0.028	-0.049	-0.665	0.895

Table G.96: Uncompensated Elasticities - Level 3: Fresh Vegetables 2006

	Brassica	Root crops	Lettuce	Legumes	Other	Onions	Tomatoes	Expend.
Brassica	-0.697	-0.054	-0.080	0.033	0.004	-0.008	-0.085	0.886
Root crops	-0.063	-0.717	-0.062	-0.005	-0.087	-0.002	-0.016	0.952
Lettuce	-0.073	-0.049	-0.704	-0.059	-0.012	-0.016	-0.015	0.928
Legumes	0.096	0.017	-0.129	-0.663	0.034	0.006	-0.077	0.718
Other	-0.035	-0.058	-0.042	-0.020	-0.936	-0.033	-0.071	1.194
Onions	-0.016	0.000	-0.025	-0.007	-0.036	-0.773	-0.066	0.923
Tomatoes	-0.069	-0.006	-0.011	-0.036	-0.060	-0.036	-0.682	0.901

Table G.97: Uncompensated Elasticities - Level 3: Fresh Vegetables 2007

	Brassica	Root crops	Lettuce	Legumes	Other	Onions	Tomatoes	Expend.
Brassica	-0.760	-0.047	-0.024	0.010	0.027	-0.003	-0.114	0.911
Root crops	-0.053	-0.737	-0.080	0.006	-0.038	0.015	-0.049	0.936
Lettuce	-0.025	-0.068	-0.719	-0.039	-0.061	-0.014	-0.013	0.938
Legumes	0.048	0.040	-0.065	-0.657	-0.066	0.024	-0.028	0.705
Other	-0.024	-0.042	-0.058	-0.037	-0.939	-0.038	-0.050	1.188
Onions	-0.004	0.022	-0.017	0.004	-0.052	-0.800	-0.060	0.908
Tomatoes	-0.095	-0.035	-0.008	-0.022	-0.024	-0.037	-0.689	0.910

Table G.98: Uncompensated Elasticities - Level 3: Fresh Vegetables 2008

	Brassica	Root crops	Lettuce	Legumes	Other	Onions	Tomatoes	Expend.
Brassica	-0.729	-0.054	-0.023	0.013	-0.023	0.005	-0.062	0.873
Root crops	-0.061	-0.724	-0.022	-0.011	-0.092	0.010	-0.051	0.950
Lettuce	-0.027	-0.017	-0.704	-0.059	-0.064	-0.017	-0.029	0.916
Legumes	0.052	0.004	-0.126	-0.677	0.075	0.008	-0.030	0.694
Other	-0.045	-0.062	-0.058	-0.013	-0.911	-0.038	-0.061	1.190
Onions	-0.002	0.013	-0.026	-0.008	-0.052	-0.821	-0.047	0.944
Tomatoes	-0.056	-0.038	-0.024	-0.020	-0.049	-0.028	-0.693	0.910

Table G.99: Uncompensated Elasticities - Level 3: Fresh Vegetables 2009

	Brassica	Root crops	Lettuce	Legumes	Other	Onions	Tomatoes	Expend.
Brassica	-0.811	-0.041	0.008	0.012	-0.041	0.031	-0.063	0.904
Root crops	-0.045	-0.769	-0.003	0.050	-0.078	-0.040	-0.067	0.952
Lettuce	0.005	0.000	-0.786	-0.032	-0.020	-0.027	-0.066	0.925
Legumes	0.057	0.163	-0.054	-0.764	-0.045	-0.014	-0.026	0.684
Other	-0.046	-0.056	-0.039	-0.030	-0.931	-0.028	-0.052	1.183
Onions	0.038	-0.047	-0.034	-0.018	-0.012	-0.824	-0.017	0.914
Tomatoes	-0.049	-0.049	-0.053	-0.019	-0.024	-0.010	-0.703	0.907

G.4 Subsamples

Table G.100: Uncompensated Elasticities - Subsamples: England 2001/02

	Dairy & Egg	Meat	Fish	Fruit & Nuts	Veg.	Fats & Starches	Alcohol	Expend.
Dairy & Eggs	-0.417	-0.032	0.001	-0.068	-0.080	-0.323	0.024	0.894
Meat	-0.036	-0.863	-0.018	0.007	-0.039	-0.146	0.009	1.086
Fish	0.027	0.004	-0.367	0.093	-0.036	-0.214	-0.162	0.655
Fruits & Nuts	-0.094	0.067	0.048	-0.797	-0.034	0.108	-0.162	0.865
Vegetables	-0.110	-0.075	-0.033	-0.037	-0.547	-0.108	-0.048	0.957
Fats & Starches	-0.109	-0.083	-0.044	0.004	-0.034	-0.811	-0.013	1.089
Alcohol	0.023	0.058	-0.073	-0.106	-0.028	0.032	-0.793	0.888

Table G.101: Uncompensated Elasticities - Subsamples: England 2002/03

	Dairy & Egg	Meat	Fish	Fruit & Nuts	Veg.	Fats & Starches	Alcohol	Expend.
Dairy & Eggs	-0.319	-0.033	-0.029	-0.041	-0.105	-0.324	-0.020	0.872
Meat	-0.040	-0.789	-0.011	0.027	-0.016	-0.237	-0.034	1.101
Fish	-0.048	0.039	-0.449	0.032	-0.008	-0.156	-0.068	0.658
Fruits & Nuts	-0.054	0.129	0.010	-0.814	-0.011	0.127	-0.238	0.850
Vegetables	-0.146	-0.013	-0.017	-0.018	-0.573	-0.046	-0.145	0.958
Fats & Starches	-0.113	-0.134	-0.037	0.008	-0.020	-0.825	0.033	1.088
Alcohol	-0.021	-0.020	-0.036	-0.160	-0.097	0.177	-0.744	0.902

Table G.102: Uncompensated Elasticities - Subsamples: England 2003/04

	Dairy & Egg	Meat	Fish	Fruit & Nuts	Veg.	Fats & Starches	Alcohol	Expend.
Dairy & Eggs	-0.268	-0.031	-0.033	-0.060	-0.117	-0.366	-0.028	0.902
Meat	-0.035	-0.833	-0.025	0.021	-0.038	-0.136	-0.045	1.090
Fish	-0.060	-0.045	-0.374	0.011	-0.040	-0.085	-0.112	0.705
Fruits & Nuts	-0.078	0.113	0.000	-0.704	0.032	-0.088	-0.124	0.848
Vegetables	-0.154	-0.068	-0.031	0.022	-0.595	-0.004	-0.112	0.941
Fats & Starches	-0.124	-0.079	-0.026	-0.035	-0.012	-0.817	0.011	1.082
Alcohol	-0.026	-0.043	-0.049	-0.083	-0.075	0.098	-0.730	0.908

Table G.103: Uncompensated Elasticities - Subsamples: England 2004/05

	Dairy & Egg	Meat	Fish	Fruit & Nuts	Veg.	Fats & Starches	Alcohol	Expend.
Dairy & Eggs	-0.393	-0.017	-0.017	-0.079	-0.104	-0.308	0.017	0.900
Meat	-0.030	-0.806	-0.037	0.039	-0.053	-0.179	-0.046	1.113
Fish	-0.015	-0.081	-0.327	0.087	0.002	-0.225	-0.099	0.658
Fruits & Nuts	-0.104	0.167	0.043	-0.809	0.032	0.023	-0.200	0.848
Vegetables	-0.137	-0.102	-0.011	0.023	-0.566	-0.081	-0.058	0.932
Fats & Starches	-0.107	-0.098	-0.046	-0.013	-0.030	-0.801	0.014	1.080
Alcohol	0.015	-0.039	-0.048	-0.132	-0.038	0.108	-0.772	0.906

Table G.104: Uncompensated Elasticities - Subsamples: England 2005/06

	Dairy & Egg	Meat	Fish	Fruit & Nuts	Veg.	Fats & Starches	Alcohol	Expend.
Dairy & Eggs	-0.331	-0.041	-0.038	-0.087	-0.025	-0.370	-0.019	0.912
Meat	-0.042	-0.831	-0.036	0.007	-0.030	-0.091	-0.076	1.099
Fish	-0.066	-0.083	-0.348	0.071	-0.003	-0.139	-0.141	0.709
Fruits & Nuts	-0.113	0.058	0.031	-0.777	0.008	0.051	-0.163	0.905
Vegetables	-0.038	-0.047	-0.013	0.002	-0.616	-0.122	-0.134	0.968
Fats & Starches	-0.128	-0.047	-0.035	-0.002	-0.038	-0.860	0.039	1.071
Alcohol	-0.016	-0.096	-0.066	-0.117	-0.093	0.187	-0.690	0.890

Table G.105: Uncompensated Elasticities - Subsamples: England 2006

	Dairy & Egg	Meat	Fish	Fruit & Nuts	Veg.	Fats & Starches	Alcohol	Expend.
Dairy & Eggs	-0.303	-0.021	-0.042	-0.115	-0.079	-0.334	-0.030	0.924
Meat	-0.030	-0.866	-0.023	0.050	-0.023	-0.208	-0.002	1.100
Fish	-0.072	-0.020	-0.428	0.078	-0.005	-0.070	-0.205	0.723
Fruits & Nuts	-0.139	0.164	0.035	-0.781	-0.018	0.029	-0.176	0.886
Vegetables	-0.104	-0.029	-0.015	-0.025	-0.613	-0.063	-0.124	0.973
Fats & Starches	-0.115	-0.115	-0.026	-0.009	-0.024	-0.804	0.019	1.075
Alcohol	-0.023	0.043	-0.094	-0.133	-0.086	0.130	-0.713	0.875

Table G.106: Uncompensated Elasticities - Subsamples: England 2007

	Dairy & Egg	Meat	Fish	Fruit & Nuts	Veg.	Fats & Starches	Alcohol	Expend.
Dairy & Eggs	-0.391	0.013	-0.002	-0.039	-0.125	-0.335	-0.036	0.915
Meat	-0.014	-0.738	-0.038	0.039	-0.043	-0.217	-0.098	1.109
Fish	0.019	-0.079	-0.337	-0.077	0.009	-0.098	-0.130	0.693
Fruits & Nuts	-0.045	0.147	-0.052	-0.742	-0.036	-0.030	-0.103	0.861
Vegetables	-0.158	-0.069	-0.007	-0.042	-0.514	-0.083	-0.078	0.951
Fats & Starches	-0.118	-0.118	-0.031	-0.025	-0.031	-0.818	0.067	1.075
Alcohol	-0.033	-0.133	-0.064	-0.079	-0.056	0.259	-0.812	0.918

Table G.107: Uncompensated Elasticities - Subsamples: England 2008

	Dairy & Egg	Meat	Fish	Fruit & Nuts	Veg.	Fats & Starches	Alcohol	Expend.
Dairy & Eggs	-0.392	0.097	-0.053	-0.154	-0.155	-0.313	0.036	0.933
Meat	0.034	-0.828	-0.060	0.040	-0.010	-0.293	0.010	1.106
Fish	-0.103	-0.182	-0.313	-0.035	-0.010	-0.027	-0.035	0.704
Fruits & Nuts	-0.209	0.145	-0.029	-0.725	0.016	0.055	-0.139	0.884
Vegetables	-0.209	0.006	-0.017	0.009	-0.595	-0.044	-0.115	0.967
Fats & Starches	-0.113	-0.158	-0.021	-0.003	-0.019	-0.786	0.027	1.072
Alcohol	0.048	0.071	-0.023	-0.106	-0.085	0.173	-0.936	0.859

Table G.108: Uncompensated Elasticities - Subsamples: England 2009

	Dairy & Egg	Meat	Fish	Fruit & Nuts	Veg.	Fats & Starches	Alcohol	Expend.
Dairy & Eggs	-0.501	0.031	-0.067	-0.050	-0.075	-0.346	0.104	0.903
Meat	-0.005	-0.816	-0.015	0.050	-0.034	-0.212	-0.071	1.104
Fish	-0.146	0.016	-0.457	0.054	-0.073	-0.002	-0.084	0.691
Fruits & Nuts	-0.073	0.175	0.023	-0.638	0.004	-0.116	-0.261	0.885
Vegetables	-0.109	-0.052	-0.051	-0.002	-0.615	0.040	-0.172	0.961
Fats & Starches	-0.130	-0.113	-0.017	-0.039	0.000	-0.854	0.083	1.071
Alcohol	0.107	-0.093	-0.044	-0.185	-0.128	0.329	-0.898	0.913

Table G.109: Uncompensated Elasticities - Subsamples: England & Wales 2001/02

	Dairy & Egg	Meat	Fish	Fruit & Nuts	Veg.	Fats & Starches	Alcohol	Expend.
Dairy & Eggs	-0.426	-0.030	-0.012	-0.071	-0.079	-0.304	0.030	0.892
Meat	-0.034	-0.863	-0.018	0.006	-0.043	-0.142	0.008	1.085
Fish	-0.003	0.005	-0.357	0.095	-0.018	-0.206	-0.166	0.650
Fruits & Nuts	-0.099	0.067	0.049	-0.808	-0.034	0.120	-0.152	0.856
Vegetables	-0.109	-0.086	-0.023	-0.037	-0.535	-0.099	-0.063	0.954
Fats & Starches	-0.104	-0.081	-0.043	0.006	-0.032	-0.813	-0.023	1.089
Alcohol	0.026	0.054	-0.075	-0.099	-0.040	-0.006	-0.760	0.900

Table G.110: Uncompensated Elasticities - Subsamples: England & Wales 2002/03

	Dairy & Egg	Meat	Fish	Fruit & Nuts	Veg.	Fats & Starches	Alcohol	Expend.
Dairy & Eggs	-0.319	-0.040	-0.028	-0.038	-0.101	-0.334	-0.012	0.872
Meat	-0.043	-0.798	-0.008	0.027	-0.013	-0.219	-0.042	1.096
Fish	-0.045	0.056	-0.445	0.049	-0.025	-0.167	-0.073	0.650
Fruits & Nuts	-0.051	0.129	0.019	-0.823	-0.021	0.128	-0.238	0.855
Vegetables	-0.140	-0.006	-0.027	-0.027	-0.567	-0.045	-0.144	0.956
Fats & Starches	-0.116	-0.124	-0.038	0.009	-0.020	-0.830	0.034	1.086
Alcohol	-0.015	-0.040	-0.039	-0.160	-0.097	0.171	-0.736	0.917

Table G.111: Uncompensated Elasticities - Subsamples: England & Wales 2003/04

	Dairy & Egg	Meat	Fish	Fruit & Nuts	Veg.	Fats & Starches	Alcohol	Expend.
Dairy & Eggs	-0.277	-0.025	-0.038	-0.060	-0.122	-0.354	-0.028	0.905
Meat	-0.032	-0.829	-0.022	0.020	-0.042	-0.134	-0.055	1.093
Fish	-0.073	-0.028	-0.382	0.029	-0.044	-0.104	-0.095	0.697
Fruits & Nuts	-0.080	0.112	0.010	-0.712	0.033	-0.105	-0.109	0.850
Vegetables	-0.161	-0.081	-0.033	0.024	-0.585	-0.002	-0.103	0.941
Fats & Starches	-0.120	-0.078	-0.028	-0.038	-0.012	-0.813	0.004	1.086
Alcohol	-0.024	-0.058	-0.042	-0.071	-0.067	0.084	-0.710	0.888

Table G.112: Uncompensated Elasticities - Subsamples: England & Wales 2004/05

	Dairy & Egg	Meat	Fish	Fruit & Nuts	Veg.	Fats & Starches	Alcohol	Expend.
Dairy & Eggs	-0.413	-0.007	-0.021	-0.067	-0.101	-0.291	0.003	0.897
Meat	-0.026	-0.803	-0.035	0.032	-0.053	-0.193	-0.036	1.115
Fish	-0.024	-0.074	-0.319	0.070	0.008	-0.215	-0.100	0.654
Fruits & Nuts	-0.088	0.149	0.033	-0.824	0.026	0.076	-0.213	0.842
Vegetables	-0.134	-0.101	-0.008	0.017	-0.567	-0.092	-0.045	0.930
Fats & Starches	-0.102	-0.106	-0.045	-0.002	-0.033	-0.801	0.006	1.083
Alcohol	0.002	-0.019	-0.048	-0.140	-0.029	0.086	-0.753	0.901

Table G.113: Uncompensated Elasticities - Subsamples: England & Wales 2005/06

	Dairy & Egg	Meat	Fish	Fruit & Nuts	Veg.	Fats & Starches	Alcohol	Expend.
Dairy & Eggs	-0.344	-0.042	-0.032	-0.083	-0.029	-0.357	-0.020	0.906
Meat	-0.042	-0.831	-0.035	0.008	-0.025	-0.103	-0.073	1.100
Fish	-0.053	-0.078	-0.362	0.078	-0.003	-0.135	-0.150	0.702
Fruits & Nuts	-0.107	0.064	0.035	-0.783	-0.009	0.061	-0.154	0.894
Vegetables	-0.042	-0.033	-0.013	-0.014	-0.606	-0.122	-0.131	0.962
Fats & Starches	-0.125	-0.054	-0.034	0.000	-0.038	-0.852	0.033	1.070
Alcohol	-0.019	-0.093	-0.069	-0.111	-0.092	0.160	-0.685	0.909

Table G.114: Uncompensated Elasticities - Subsamples: England & Wales 2006

	Dairy & Egg	Meat	Fish	Fruit & Nuts	Veg.	Fats & Starches	Alcohol	Expend.
Dairy & Eggs	-0.314	-0.041	-0.033	-0.120	-0.066	-0.325	-0.023	0.922
Meat	-0.040	-0.855	-0.025	0.049	-0.021	-0.196	-0.012	1.100
Fish	-0.053	-0.030	-0.428	0.081	0.000	-0.094	-0.187	0.712
Fruits & Nuts	-0.145	0.163	0.036	-0.778	-0.028	0.028	-0.161	0.884
Vegetables	-0.088	-0.024	-0.012	-0.035	-0.616	-0.071	-0.128	0.974
Fats & Starches	-0.113	-0.108	-0.029	-0.010	-0.026	-0.806	0.016	1.076
Alcohol	-0.017	0.024	-0.086	-0.121	-0.088	0.121	-0.710	0.876

Table G.115: Uncompensated Elasticities - Subsamples: England & Wales 2007

	Dairy & Egg	Meat	Fish	Fruit & Nuts	Veg.	Fats & Starches	Alcohol	Expend.
Dairy & Eggs	-0.397	0.016	-0.001	-0.053	-0.134	-0.314	-0.033	0.918
Meat	-0.012	-0.747	-0.040	0.038	-0.035	-0.220	-0.092	1.108
Fish	0.022	-0.086	-0.333	-0.079	0.024	-0.089	-0.149	0.690
Fruits & Nuts	-0.064	0.145	-0.054	-0.743	-0.040	-0.022	-0.088	0.865
Vegetables	-0.170	-0.051	0.000	-0.046	-0.530	-0.073	-0.088	0.958
Fats & Starches	-0.112	-0.121	-0.030	-0.022	-0.028	-0.828	0.065	1.075
Alcohol	-0.030	-0.124	-0.071	-0.066	-0.062	0.260	-0.816	0.909

Table G.116: Uncompensated Elasticities - Subsamples: England & Wales 2008

	Dairy & Egg	Meat	Fish	Fruit & Nuts	Veg.	Fats & Starches	Alcohol	Expend.
Dairy & Eggs	-0.411	0.094	-0.050	-0.150	-0.155	-0.299	0.039	0.933
Meat	0.031	-0.818	-0.065	0.043	-0.011	-0.301	0.009	1.111
Fish	-0.098	-0.206	-0.325	0.000	0.002	-0.031	-0.049	0.708
Fruits & Nuts	-0.204	0.156	-0.008	-0.731	0.004	0.052	-0.153	0.885
Vegetables	-0.210	0.004	-0.011	-0.003	-0.592	-0.039	-0.116	0.966
Fats & Starches	-0.109	-0.163	-0.021	-0.004	-0.018	-0.783	0.024	1.073
Alcohol	0.051	0.073	-0.028	-0.116	-0.084	0.167	-0.910	0.847

Table G.117: Uncompensated Elasticities - Subsamples: England & Wales 2009

	Dairy & Egg	Meat	Fish	Fruit & Nuts	Veg.	Fats & Starches	Alcohol	Expend.
Dairy & Eggs	-0.519	0.020	-0.054	-0.042	-0.075	-0.328	0.093	0.906
Meat	-0.012	-0.816	-0.014	0.054	-0.027	-0.212	-0.078	1.106
Fish	-0.114	0.022	-0.455	0.047	-0.072	-0.013	-0.109	0.695
Fruits & Nuts	-0.061	0.189	0.019	-0.637	0.006	-0.128	-0.270	0.882
Vegetables	-0.109	-0.036	-0.050	0.000	-0.595	0.012	-0.179	0.959
Fats & Starches	-0.124	-0.113	-0.019	-0.042	-0.007	-0.869	0.102	1.072
Alcohol	0.097	-0.104	-0.054	-0.190	-0.132	0.394	-0.917	0.905

Table G.118: Uncompensated Elasticities - Subsamples: Scotland 2001/02

	Dairy & Egg	Meat	Fish	Fruit & Nuts	Veg.	Fats & Starches	Alcohol	Expend.
Dairy & Eggs	-0.588	-0.175	-0.076	-0.025	-0.107	-0.310	0.407	0.874
Meat	-0.100	-0.908	-0.038	-0.036	-0.003	-0.166	0.132	1.119
Fish	-0.178	-0.132	-0.583	-0.150	-0.187	-0.087	0.577	0.739
Fruits & Nuts	-0.033	-0.059	-0.096	-0.770	-0.120	0.063	0.202	0.813
Vegetables	-0.169	0.037	-0.122	-0.125	-0.758	-0.180	0.421	0.896
Fats & Starches	-0.098	-0.087	-0.022	-0.007	-0.041	-0.902	0.071	1.086
Alcohol	0.309	0.286	0.169	0.096	0.207	0.307	-2.224	0.849

Table G.119: Uncompensated Elasticities - Subsamples: Scotland 2002/03

	Dairy & Egg	Meat	Fish	Fruit & Nuts	Veg.	Fats & Starches	Alcohol	Expend.
Dairy & Eggs	-0.799	-0.145	0.064	0.008	-0.172	-0.170	0.278	0.935
Meat	-0.084	-0.713	-0.037	0.014	-0.093	-0.290	0.093	1.109
Fish	0.189	-0.128	-0.587	-0.309	-0.209	-0.277	0.591	0.730
Fruits & Nuts	0.027	0.119	-0.191	-0.934	-0.089	-0.199	0.467	0.799
Vegetables	-0.262	-0.279	-0.130	-0.095	-0.624	-0.010	0.414	0.987
Fats & Starches	-0.059	-0.159	-0.041	-0.050	-0.009	-0.906	0.135	1.089
Alcohol	0.263	0.259	0.198	0.261	0.258	0.594	-2.585	0.751

Table G.120: Uncompensated Elasticities - Subsamples: Scotland 2003/04

	Dairy & Egg	Meat	Fish	Fruit & Nuts	Veg.	Fats & Starches	Alcohol	Expend.
Dairy & Eggs	-0.765	-0.020	-0.146	-0.261	-0.083	-0.290	0.649	0.917
Meat	-0.029	-0.789	-0.009	0.040	0.005	-0.467	0.124	1.125
Fish	-0.354	0.036	-0.398	-0.371	-0.175	-0.178	0.713	0.727
Fruits & Nuts	-0.407	0.197	-0.233	-0.961	-0.116	-0.049	0.661	0.907
Vegetables	-0.137	0.053	-0.117	-0.121	-0.973	-0.263	0.578	0.979
Fats & Starches	-0.091	-0.270	-0.032	-0.021	-0.050	-0.931	0.271	1.124
Alcohol	0.557	0.363	0.231	0.363	0.322	1.112	-3.512	0.565

Table G.121: Uncompensated Elasticities - Subsamples: Scotland 2004/05

	Dairy & Egg	Meat	Fish	Fruit & Nuts	Veg.	Fats & Starches	Alcohol	Expend.
Dairy & Eggs	-0.883	0.004	-0.183	-0.028	-0.157	-0.376	0.695	0.926
Meat	-0.013	-0.709	-0.059	-0.158	-0.113	-0.026	0.001	1.078
Fish	-0.446	-0.247	-0.493	-0.204	-0.286	0.127	0.850	0.699
Fruits & Nuts	-0.038	-0.468	-0.125	-0.656	-0.148	-0.057	0.595	0.897
Vegetables	-0.245	-0.354	-0.181	-0.159	-0.611	0.085	0.483	0.982
Fats & Starches	-0.111	-0.010	-0.001	-0.021	0.009	-1.060	0.135	1.059
Alcohol	0.566	0.040	0.261	0.326	0.261	0.482	-2.835	0.899

Table G.122: Uncompensated Elasticities - Subsamples: Scotland 2005/06

	Dairy & Egg	Meat	Fish	Fruit & Nuts	Veg.	Fats & Starches	Alcohol	Expend.
Dairy & Eggs	-0.790	-0.059	-0.170	0.043	-0.165	-0.272	0.538	0.876
Meat	-0.052	-0.907	-0.076	-0.049	-0.051	-0.118	0.127	1.126
Fish	-0.392	-0.299	-0.593	0.058	-0.304	0.162	0.744	0.624
Fruits & Nuts	0.056	-0.093	0.021	-0.767	-0.035	-0.249	0.179	0.888
Vegetables	-0.237	-0.112	-0.188	-0.039	-0.678	0.058	0.291	0.904
Fats & Starches	-0.093	-0.061	-0.002	-0.064	-0.003	-0.983	0.109	1.097
Alcohol	0.420	0.278	0.227	0.108	0.164	0.423	-2.452	0.832

Table G.123: Uncompensated Elasticities - Subsamples: Scotland 2006

	Dairy & Egg	Meat	Fish	Fruit & Nuts	Veg.	Fats & Starches	Alcohol	Expend.
Dairy & Eggs	-0.863	0.089	-0.198	0.031	-0.228	-0.345	0.648	0.866
Meat	0.011	-0.959	-0.031	-0.045	-0.012	-0.238	0.105	1.169
Fish	-0.414	-0.043	-0.462	0.079	-0.257	-0.191	0.634	0.654
Fruits & Nuts	0.035	-0.078	0.035	-0.880	-0.059	-0.380	0.399	0.928
Vegetables	-0.335	0.023	-0.182	-0.062	-0.674	-0.043	0.392	0.881
Fats & Starches	-0.107	-0.113	-0.040	-0.084	-0.020	-0.755	0.051	1.067
Alcohol	0.504	0.254	0.216	0.243	0.210	0.244	-2.506	0.836

Table G.124: Uncompensated Elasticities - Subsamples: Scotland 2007

	Dairy & Egg	Meat	Fish	Fruit & Nuts	Veg.	Fats & Starches	Alcohol	Expend.
Dairy & Eggs	-0.741	-0.226	-0.024	-0.155	-0.117	-0.236	0.500	1.000
Meat	-0.117	-0.772	-0.085	0.055	-0.083	-0.356	0.248	1.110
Fish	-0.017	-0.305	-0.556	0.023	-0.194	-0.327	0.735	0.640
Fruits & Nuts	-0.193	0.191	0.000	-0.761	-0.027	-0.302	0.164	0.928
Vegetables	-0.174	-0.238	-0.145	-0.036	-0.586	-0.137	0.322	0.995
Fats & Starches	-0.072	-0.196	-0.059	-0.075	-0.031	-0.902	0.240	1.096
Alcohol	0.520	0.613	0.317	0.146	0.233	1.058	-3.521	0.634

Table G.125: Uncompensated Elasticities - Subsamples: Scotland 2008

	Dairy & Egg	Meat	Fish	Fruit & Nuts	Veg.	Fats & Starches	Alcohol	Expend.
Dairy & Eggs	-0.736	-0.404	-0.083	-0.120	-0.081	-0.079	0.569	0.934
Meat	-0.229	-0.800	-0.042	-0.018	-0.098	-0.259	0.310	1.136
Fish	-0.182	-0.113	-0.637	0.127	-0.168	-0.461	0.725	0.709
Fruits & Nuts	-0.161	0.005	0.063	-1.040	0.042	-0.170	0.374	0.887
Vegetables	-0.126	-0.257	-0.115	0.044	-0.790	-0.001	0.312	0.933
Fats & Starches	-0.036	-0.126	-0.067	-0.048	-0.009	-0.865	0.089	1.063
Alcohol	0.586	0.676	0.289	0.278	0.209	0.414	-3.269	0.816

Table G.126: Uncompensated Elasticities - Subsamples: Scotland 2009

	Dairy & Egg	Meat	Fish	Fruit & Nuts	Veg.	Fats & Starches	Alcohol	Expend.
Dairy & Eggs	-0.541	-0.248	-0.047	-0.085	-0.116	-0.292	0.406	0.922
Meat	-0.148	-0.698	0.000	0.054	-0.028	-0.298	-0.013	1.131
Fish	-0.098	0.091	-0.762	-0.018	-0.126	-0.520	0.742	0.691
Fruits & Nuts	-0.121	0.215	-0.018	-1.098	-0.232	-0.228	0.612	0.869
Vegetables	-0.182	-0.046	-0.084	-0.247	-0.744	-0.151	0.508	0.946
Fats & Starches	-0.100	-0.157	-0.072	-0.059	-0.038	-0.845	0.175	1.096
Alcohol	0.414	0.062	0.272	0.408	0.333	0.750	-2.964	0.725

Table G.127: Uncompensated Elasticities - Subsamples: Northern Ireland 2001/02

	Dairy & Egg	Meat	Fish	Fruit & Nuts	Veg.	Fats & Starches	Alcohol	Expend.
Dairy & Eggs	-0.597	-0.137	-0.145	-0.310	-0.157	-0.047	0.544	0.849
Meat	-0.080	-1.000	-0.052	0.069	0.018	-0.238	0.190	1.093
Fish	-0.408	-0.270	-0.603	-0.361	-0.091	-0.175	1.231	0.676
Fruits & Nuts	-0.567	0.384	-0.232	-1.071	-0.215	-0.088	0.984	0.804
Vegetables	-0.270	0.112	-0.060	-0.201	-0.794	-0.224	0.506	0.931
Fats & Starches	-0.035	-0.135	-0.028	-0.026	-0.041	-0.980	0.157	1.089
Alcohol	0.643	0.623	0.487	0.625	0.363	0.921	-4.430	0.767

Table G.128: Uncompensated Elasticities - Subsamples: Northern Ireland 2002/03

	Dairy & Egg	Meat	Fish	Fruit & Nuts	Veg.	Fats & Starches	Alcohol	Expend.
Dairy & Eggs	-0.498	-0.047	-0.069	-0.205	-0.101	-0.263	0.266	0.916
Meat	-0.040	-1.075	-0.013	0.047	-0.018	-0.202	0.173	1.128
Fish	-0.197	0.016	-0.731	-0.243	-0.044	-0.641	1.180	0.659
Fruits & Nuts	-0.350	0.290	-0.136	-1.094	-0.028	-0.292	0.804	0.807
Vegetables	-0.175	-0.034	-0.032	-0.036	-0.822	-0.332	0.476	0.955
Fats & Starches	-0.080	-0.110	-0.061	-0.056	-0.055	-0.916	0.215	1.064
Alcohol	0.293	0.551	0.374	0.476	0.302	1.029	-3.762	0.736

Table G.129: Uncompensated Elasticities - Subsamples: Northern Ireland 2003/04

	Dairy & Egg	Meat	Fish	Fruit & Nuts	Veg.	Fats & Starches	Alcohol	Expend.
Dairy & Eggs	-0.720	-0.018	-0.035	-0.138	-0.169	-0.381	0.572	0.889
Meat	-0.030	-0.946	-0.056	-0.029	0.034	-0.274	0.182	1.120
Fish	-0.084	-0.308	-0.447	-0.115	-0.146	-0.034	0.465	0.669
Fruits & Nuts	-0.223	-0.056	-0.068	-1.059	-0.285	0.208	0.617	0.867
Vegetables	-0.267	0.165	-0.082	-0.274	-0.737	-0.046	0.282	0.957
Fats & Starches	-0.109	-0.148	-0.015	0.019	-0.014	-0.985	0.188	1.065
Alcohol	0.651	0.586	0.166	0.428	0.219	1.002	-3.793	0.740

Table G.130: Uncompensated Elasticities - Subsamples: Northern Ireland 2004/05

	Dairy & Egg	Meat	Fish	Fruit & Nuts	Veg.	Fats & Starches	Alcohol	Expend.
Dairy & Eggs	-0.532	-0.064	-0.073	-0.200	0.008	-0.360	0.309	0.912
Meat	-0.043	-0.818	-0.045	-0.019	-0.101	-0.277	0.204	1.099
Fish	-0.189	-0.235	-0.682	-0.113	-0.262	-0.452	1.225	0.708
Fruits & Nuts	-0.326	-0.025	-0.071	-1.082	-0.217	-0.109	0.956	0.874
Vegetables	0.016	-0.351	-0.148	-0.203	-0.957	-0.061	0.828	0.876
Fats & Starches	-0.104	-0.174	-0.051	-0.029	-0.024	-1.006	0.285	1.104
Alcohol	0.391	0.751	0.506	0.692	0.644	1.604	-5.183	0.596

Table G.131: Uncompensated Elasticities - Subsamples: Northern Ireland 2005/06

	Dairy & Egg	Meat	Fish	Fruit & Nuts	Veg.	Fats & Starches	Alcohol	Expend.
Dairy & Eggs	-0.848	0.044	-0.059	-0.073	-0.048	-0.434	0.525	0.893
Meat	-0.005	-0.847	-0.074	-0.084	-0.019	-0.187	0.087	1.129
Fish	-0.151	-0.429	-0.596	-0.099	-0.119	-0.113	0.828	0.679
Fruits & Nuts	-0.093	-0.214	-0.052	-0.691	-0.125	0.205	0.187	0.782
Vegetables	-0.076	-0.023	-0.070	-0.142	-0.731	-0.231	0.340	0.933
Fats & Starches	-0.124	-0.102	-0.023	0.014	-0.047	-0.969	0.166	1.085
Alcohol	0.597	0.339	0.311	0.149	0.263	0.905	-3.281	0.716

Table G.132: Uncompensated Elasticities - Subsamples: Northern Ireland 2006

	Dairy & Egg	Meat	Fish	Fruit & Nuts	Veg.	Fats & Starches	Alcohol	Expend.
Dairy & Eggs	-0.635	-0.109	-0.181	-0.075	-0.181	-0.243	0.540	0.883
Meat	-0.069	-0.722	-0.018	-0.028	-0.059	-0.237	-0.028	1.161
Fish	-0.493	-0.003	-0.790	-0.025	-0.081	-0.149	0.905	0.636
Fruits & Nuts	-0.090	0.009	-0.015	-0.801	-0.096	-0.191	0.470	0.714
Vegetables	-0.284	-0.186	-0.055	-0.121	-0.884	-0.157	0.695	0.992
Fats & Starches	-0.074	-0.116	-0.026	-0.055	-0.028	-0.922	0.182	1.039
Alcohol	0.609	-0.006	0.348	0.362	0.526	0.920	-3.622	0.863

Table G.133: Uncompensated Elasticities - Subsamples: Northern Ireland 2007

	Dairy & Egg	Meat	Fish	Fruit & Nuts	Veg.	Fats & Starches	Alcohol	Expend.
Dairy & Eggs	-0.574	0.038	-0.108	-0.183	-0.234	-0.060	0.251	0.868
Meat	-0.010	-0.839	-0.058	-0.020	-0.034	-0.278	0.113	1.126
Fish	-0.269	-0.307	-0.671	-0.096	-0.147	-0.253	1.165	0.578
Fruits & Nuts	-0.231	-0.015	-0.054	-0.863	-0.165	0.029	0.393	0.905
Vegetables	-0.336	-0.077	-0.087	-0.188	-0.832	0.052	0.581	0.889
Fats & Starches	-0.030	-0.159	-0.036	-0.006	-0.002	-0.963	0.140	1.057
Alcohol	0.261	0.402	0.427	0.328	0.419	0.731	-3.396	0.828

Table G.134: Uncompensated Elasticities - Subsamples: Northern Ireland 2008

	Dairy & Egg	Meat	Fish	Fruit & Nuts	Veg.	Fats & Starches	Alcohol	Expend.
Dairy & Eggs	-0.637	-0.080	-0.129	-0.206	-0.089	-0.154	0.336	0.959
Meat	-0.052	-0.742	-0.030	0.076	-0.019	-0.424	0.066	1.125
Fish	-0.320	-0.055	-0.608	0.030	-0.242	0.161	0.502	0.532
Fruits & Nuts	-0.301	0.333	0.004	-0.955	-0.175	0.092	0.140	0.862
Vegetables	-0.140	-0.023	-0.152	-0.190	-0.811	-0.025	0.403	0.937
Fats & Starches	-0.055	-0.257	-0.006	0.000	-0.015	-0.898	0.136	1.095
Alcohol	0.435	0.303	0.208	0.126	0.321	0.786	-2.810	0.630

Table G.135: Uncompensated Elasticities - Subsamples: Northern Ireland 2009

	Dairy & Egg	Meat	Fish	Fruit & Nuts	Veg.	Fats & Starches	Alcohol	Expend.
Dairy & Eggs	-0.821	-0.039	-0.121	-0.153	-0.227	-0.178	0.681	0.859
Meat	-0.048	-0.987	-0.065	0.040	0.002	-0.378	0.255	1.181
Fish	-0.344	-0.357	-0.584	-0.109	0.005	-0.049	0.799	0.639
Fruits & Nuts	-0.249	0.214	-0.066	-1.035	-0.106	-0.188	0.491	0.938
Vegetables	-0.348	0.082	-0.005	-0.098	-0.942	-0.076	0.510	0.877
Fats & Starches	-0.065	-0.202	-0.018	-0.038	-0.025	-0.854	0.125	1.077
Alcohol	0.758	0.822	0.285	0.358	0.379	0.749	-3.938	0.587

Table G.136: Uncompensated Elasticities - Subsamples: Households in lowest income quintile 2001/02

	Dairy & Egg	Meat	Fish	Fruit & Nuts	Veg.	Fats & Starches	Alcohol	Expend.
Dairy & Eggs	-0.494	0.057	0.008	-0.115	-0.149	-0.437	0.239	0.892
Meat	0.008	-0.838	-0.067	0.033	-0.035	-0.188	0.018	1.069
Fish	0.041	-0.267	-0.419	0.030	-0.057	0.068	-0.068	0.672
Fruits & Nuts	-0.190	0.155	0.011	-0.788	-0.050	-0.088	0.040	0.910
Vegetables	-0.218	-0.088	-0.046	-0.047	-0.591	-0.166	0.180	0.976
Fats & Starches	-0.133	-0.113	-0.010	-0.025	-0.039	-0.853	0.076	1.097
Alcohol	0.202	0.085	-0.030	0.025	0.116	0.346	-1.571	0.827

Table G.137: Uncompensated Elasticities - Subsamples: Households in lowest income quintile 2002/03

	Dairy & Egg	Meat	Fish	Fruit & Nuts	Veg.	Fats & Starches	Alcohol	Expend.
Dairy & Eggs	-0.415	-0.072	-0.122	-0.034	-0.071	-0.104	-0.006	0.824
Meat	-0.060	-0.791	0.010	-0.027	-0.029	-0.203	0.005	1.095
Fish	-0.304	0.159	-0.473	0.038	0.016	-0.414	0.347	0.631
Fruits & Nuts	-0.056	-0.037	0.017	-0.840	-0.094	0.060	0.126	0.825
Vegetables	-0.123	-0.072	-0.005	-0.095	-0.549	-0.255	0.117	0.982
Fats & Starches	-0.054	-0.114	-0.058	-0.006	-0.051	-0.803	0.000	1.087
Alcohol	-0.014	0.052	0.100	0.058	0.070	0.071	-1.245	0.908

Table G.138: Uncompensated Elasticities - Subsamples: Households in lowest income quintile 2003/04

	Dairy & Egg	Meat	Fish	Fruit & Nuts	Veg.	Fats & Starches	Alcohol	Expend.
Dairy & Eggs	-0.319	-0.240	-0.070	-0.075	0.026	-0.265	0.034	0.909
Meat	-0.129	-0.838	-0.046	-0.017	-0.079	-0.039	0.056	1.090
Fish	-0.157	-0.171	-0.484	-0.026	-0.018	-0.018	0.112	0.762
Fruits & Nuts	-0.111	0.001	-0.020	-0.629	-0.038	0.005	-0.030	0.822
Vegetables	0.036	-0.213	-0.017	-0.041	-0.607	-0.205	0.126	0.920
Fats & Starches	-0.091	-0.024	-0.016	-0.016	-0.050	-0.894	-0.002	1.095
Alcohol	0.034	0.153	0.033	-0.016	0.075	0.086	-1.211	0.847

Table G.139: Uncompensated Elasticities - Subsamples: Households in lowest income quintile 2004/05

	Dairy & Egg	Meat	Fish	Fruit & Nuts	Veg.	Fats & Starches	Alcohol	Expend.
Dairy & Eggs	-0.426	0.018	-0.075	-0.162	-0.107	-0.187	0.044	0.896
Meat	-0.011	-0.854	-0.025	-0.008	-0.102	-0.040	-0.042	1.081
Fish	-0.159	-0.047	-0.374	-0.036	-0.042	-0.267	0.210	0.716
Fruits & Nuts	-0.253	0.020	-0.031	-1.060	-0.073	0.402	0.126	0.869
Vegetables	-0.162	-0.296	-0.037	-0.074	-0.529	-0.011	0.123	0.985
Fats & Starches	-0.069	-0.020	-0.046	0.057	-0.008	-0.932	-0.049	1.068
Alcohol	0.033	-0.038	0.063	0.061	0.074	-0.088	-1.022	0.916

Table G.140: Uncompensated Elasticities - Subsamples: Households in lowest income quintile 2005/06

	Dairy & Egg	Meat	Fish	Fruit & Nuts	Veg.	Fats & Starches	Alcohol	Expend.
Dairy & Eggs	-0.389	-0.142	-0.035	-0.087	0.002	-0.408	0.126	0.934
Meat	-0.092	-0.961	-0.060	0.021	-0.051	-0.063	0.066	1.139
Fish	-0.059	-0.202	-0.436	0.080	-0.089	-0.050	0.110	0.648
Fruits & Nuts	-0.133	0.115	0.036	-0.763	0.005	-0.156	-0.028	0.925
Vegetables	0.001	-0.110	-0.064	0.002	-0.607	-0.168	-0.008	0.953
Fats & Starches	-0.133	-0.018	-0.023	-0.039	-0.041	-0.894	0.096	1.052
Alcohol	0.134	0.200	0.034	-0.011	0.004	0.401	-1.591	0.829

Table G.141: Uncompensated Elasticities - Subsamples: Households in lowest income quintile 2006

	Dairy & Egg	Meat	Fish	Fruit & Nuts	Veg.	Fats & Starches	Alcohol	Expend.
Dairy & Eggs	-0.350	-0.090	-0.078	-0.038	-0.048	-0.419	0.075	0.949
Meat	-0.059	-0.860	-0.041	-0.015	-0.048	-0.246	0.152	1.118
Fish	-0.141	-0.101	-0.394	-0.007	-0.073	-0.129	0.119	0.725
Fruits & Nuts	-0.046	0.005	-0.012	-0.842	0.079	0.025	-0.101	0.891
Vegetables	-0.064	-0.102	-0.057	0.074	-0.642	-0.151	-0.003	0.946
Fats & Starches	-0.128	-0.135	-0.034	-0.008	-0.041	-0.793	0.068	1.070
Alcohol	0.075	0.336	0.043	-0.057	0.007	0.296	-1.528	0.828

Table G.142: Uncompensated Elasticities - Subsamples: Households in lowest income quintile 2007

	Dairy & Egg	Meat	Fish	Fruit & Nuts	Veg.	Fats & Starches	Alcohol	Expend.
Dairy & Eggs	-0.451	-0.155	0.024	-0.058	-0.133	-0.252	0.097	0.928
Meat	-0.095	-0.706	-0.016	0.025	-0.059	-0.223	-0.065	1.139
Fish	0.075	0.016	-0.580	-0.108	-0.164	-0.088	0.126	0.722
Fruits & Nuts	-0.072	0.155	-0.074	-0.659	-0.192	-0.053	0.105	0.790
Vegetables	-0.176	-0.119	-0.105	-0.180	-0.551	-0.062	0.269	0.924
Fats & Starches	-0.085	-0.117	-0.026	-0.029	-0.024	-0.869	0.088	1.062
Alcohol	0.081	-0.061	0.037	0.049	0.166	0.311	-1.488	0.905

Table G.143: Uncompensated Elasticities - Subsamples: Households in lowest income quintile 2008

	Dairy & Egg	Meat	Fish	Fruit & Nuts	Veg.	Fats & Starches	Alcohol	Expend.
Dairy & Eggs	-0.723	0.103	-0.122	-0.098	-0.121	-0.201	0.213	0.949
Meat	0.039	-0.779	-0.056	-0.098	-0.059	-0.091	-0.055	1.099
Fish	-0.339	-0.206	-0.539	0.020	-0.140	0.089	0.526	0.591
Fruits & Nuts	-0.165	-0.263	0.001	-0.686	-0.017	-0.096	0.361	0.866
Vegetables	-0.204	-0.143	-0.089	-0.020	-0.606	-0.172	0.313	0.920
Fats & Starches	-0.073	-0.039	-0.010	-0.029	-0.040	-0.958	0.092	1.057
Alcohol	0.360	-0.117	0.266	0.333	0.305	0.580	-2.621	0.893

Table G.144: Uncompensated Elasticities - Subsamples: Households in lowest income quintile 2009

	Dairy & Egg	Meat	Fish	Fruit & Nuts	Veg.	Fats & Starches	Alcohol	Expend.
Dairy & Eggs	-0.567	-0.123	-0.120	-0.045	-0.005	-0.305	0.282	0.884
Meat	-0.095	-0.839	-0.042	-0.028	-0.089	-0.147	0.156	1.085
Fish	-0.343	-0.141	-0.483	-0.096	0.045	0.051	0.272	0.696
Fruits & Nuts	-0.084	-0.046	-0.066	-0.583	-0.133	-0.008	0.051	0.870
Vegetables	-0.016	-0.233	0.015	-0.123	-0.646	-0.051	0.118	0.936
Fats & Starches	-0.117	-0.079	-0.011	-0.016	-0.020	-0.952	0.104	1.091
Alcohol	0.466	0.503	0.140	0.049	0.123	0.679	-2.753	0.792

Table G.145: Uncompensated Elasticities - Subsamples: Households w/ children 2001/02

	Dairy & Egg	Meat	Fish	Fruit & Nuts	Veg.	Fats & Starches	Alcohol	Expend.
Dairy & Eggs	-0.544	-0.034	-0.024	-0.055	-0.050	-0.126	0.041	0.791
Meat	-0.052	-0.884	-0.008	0.032	-0.020	-0.129	-0.059	1.119
Fish	-0.073	0.040	-0.470	0.025	-0.069	-0.172	0.037	0.682
Fruits & Nuts	-0.110	0.143	0.003	-0.908	-0.068	0.020	-0.045	0.965
Vegetables	-0.105	-0.036	-0.042	-0.072	-0.820	0.015	0.110	0.950
Fats & Starches	-0.058	-0.049	-0.023	-0.002	-0.003	-0.896	-0.007	1.038
Alcohol	0.027	-0.093	0.003	-0.028	0.067	0.005	-0.931	0.950

Table G.146: Uncompensated Elasticities - Subsamples: Households w/ children 2002/03

	Dairy & Egg	Meat	Fish	Fruit & Nuts	Veg.	Fats & Starches	Alcohol	Expend.
Dairy & Eggs	-0.526	0.030	-0.037	-0.107	-0.100	-0.086	0.061	0.764
Meat	-0.028	-0.785	-0.039	0.031	0.022	-0.254	-0.107	1.161
Fish	-0.130	-0.190	-0.576	0.203	-0.164	0.041	0.064	0.751
Fruits & Nuts	-0.196	0.155	0.090	-0.961	-0.088	0.118	-0.045	0.927
Vegetables	-0.197	0.133	-0.088	-0.095	-0.734	0.074	-0.009	0.916
Fats & Starches	-0.050	-0.103	-0.005	0.012	0.004	-0.921	0.036	1.028
Alcohol	0.045	-0.187	0.013	-0.031	-0.008	0.180	-0.969	0.957

Table G.147: Uncompensated Elasticities - Subsamples: Households w/ children 2003/04

	Dairy & Egg	Meat	Fish	Fruit & Nuts	Veg.	Fats & Starches	Alcohol	Expend.
Dairy & Eggs	-0.470	0.055	-0.002	-0.094	-0.091	-0.280	0.042	0.839
Meat	-0.005	-0.845	-0.030	0.058	-0.012	-0.213	-0.083	1.131
Fish	0.016	-0.122	-0.565	-0.004	0.078	-0.005	-0.022	0.623
Fruits & Nuts	-0.165	0.243	-0.011	-0.893	-0.130	-0.024	0.034	0.946
Vegetables	-0.171	-0.005	0.028	-0.140	-0.716	0.104	-0.047	0.946
Fats & Starches	-0.093	-0.097	-0.013	-0.010	0.009	-0.907	0.064	1.046
Alcohol	0.043	-0.127	-0.013	0.028	-0.023	0.347	-1.109	0.861

Table G.148: Uncompensated Elasticities - Subsamples: Households w/ children 2004/05

	Dairy & Egg	Meat	Fish	Fruit & Nuts	Veg.	Fats & Starches	Alcohol	Expend.
Dairy & Eggs	-0.455	0.002	0.000	-0.075	-0.127	-0.171	0.032	0.795
Meat	-0.034	-0.871	-0.050	-0.008	-0.013	-0.120	-0.031	1.128
Fish	0.007	-0.294	-0.570	0.036	-0.041	0.068	0.069	0.725
Fruits & Nuts	-0.133	0.022	0.011	-0.942	-0.006	0.097	0.038	0.915
Vegetables	-0.241	-0.007	-0.026	-0.009	-0.745	-0.015	0.104	0.939
Fats & Starches	-0.069	-0.044	-0.004	0.008	-0.008	-0.897	-0.020	1.035
Alcohol	0.015	-0.030	0.012	0.021	0.058	-0.051	-0.988	0.964

Table G.149: Uncompensated Elasticities - Subsamples: Households w/ children 2005/06

	Dairy & Egg	Meat	Fish	Fruit & Nuts	Veg.	Fats & Starches	Alcohol	Expend.
Dairy & Eggs	-0.488	-0.037	-0.049	-0.118	-0.038	-0.215	0.125	0.821
Meat	-0.053	-0.958	-0.027	0.026	-0.020	-0.060	-0.044	1.136
Fish	-0.150	-0.085	-0.553	0.023	-0.075	0.146	-0.007	0.701
Fruits & Nuts	-0.183	0.111	0.002	-0.858	-0.039	0.137	-0.123	0.954
Vegetables	-0.073	-0.016	-0.044	-0.042	-0.808	0.147	-0.076	0.913
Fats & Starches	-0.081	-0.009	0.001	0.020	0.016	-1.045	0.067	1.031
Alcohol	0.115	-0.057	-0.011	-0.093	-0.053	0.283	-1.157	0.972

Table G.150: Uncompensated Elasticities - Subsamples: Households w/ children 2006

	Dairy & Egg	Meat	Fish	Fruit & Nuts	Veg.	Fats & Starches	Alcohol	Expend.
Dairy & Eggs	-0.697	-0.027	-0.069	-0.044	-0.053	-0.078	0.093	0.874
Meat	-0.042	-0.938	-0.031	0.046	-0.041	-0.130	-0.006	1.143
Fish	-0.215	-0.123	-0.605	0.097	-0.102	0.149	0.061	0.737
Fruits & Nuts	-0.066	0.172	0.033	-0.792	0.012	-0.159	-0.128	0.929
Vegetables	-0.085	-0.081	-0.051	0.009	-0.694	-0.053	-0.014	0.969
Fats & Starches	-0.037	-0.046	0.003	-0.040	-0.014	-0.914	0.032	1.015
Alcohol	0.094	0.033	0.013	-0.102	-0.008	0.156	-1.115	0.928

Table G.151: Uncompensated Elasticities - Subsamples: Households w/ children 2007

	Dairy & Egg	Meat	Fish	Fruit & Nuts	Veg.	Fats & Starches	Alcohol	Expend.
Dairy & Eggs	-0.457	0.017	-0.049	-0.057	-0.127	-0.264	0.070	0.867
Meat	-0.023	-0.786	-0.053	0.010	-0.031	-0.250	-0.023	1.157
Fish	-0.141	-0.237	-0.349	-0.104	0.058	0.025	0.007	0.739
Fruits & Nuts	-0.090	0.073	-0.053	-0.861	-0.106	-0.029	0.124	0.942
Vegetables	-0.199	-0.051	0.019	-0.112	-0.637	0.011	-0.007	0.977
Fats & Starches	-0.091	-0.107	-0.007	-0.011	-0.001	-0.847	0.050	1.014
Alcohol	0.077	0.003	-0.003	0.104	0.000	0.247	-1.333	0.905

Table G.152: Uncompensated Elasticities - Subsamples: Households w/ children 2008

	Dairy & Egg	Meat	Fish	Fruit & Nuts	Veg.	Fats & Starches	Alcohol	Expend.
Dairy & Eggs	-0.532	0.083	-0.001	-0.139	-0.171	-0.238	0.093	0.905
Meat	0.021	-0.782	-0.040	0.019	-0.032	-0.314	0.005	1.122
Fish	0.018	-0.148	-0.513	-0.130	-0.072	-0.008	0.119	0.734
Fruits & Nuts	-0.224	0.085	-0.073	-0.829	-0.090	0.000	0.157	0.973
Vegetables	-0.269	-0.059	-0.044	-0.088	-0.661	0.128	0.005	0.988
Fats & Starches	-0.082	-0.144	-0.011	-0.003	0.023	-0.797	0.000	1.013
Alcohol	0.117	0.055	0.041	0.132	0.010	0.039	-1.311	0.917

Table G.153: Uncompensated Elasticities - Subsamples: Households w/ children 2009

	Dairy & Egg	Meat	Fish	Fruit & Nuts	Veg.	Fats & Starches	Alcohol	Expend.
Dairy & Eggs	-0.693	0.080	-0.085	-0.090	-0.088	-0.187	0.203	0.860
Meat	0.011	-0.868	-0.023	0.069	-0.017	-0.245	-0.078	1.150
Fish	-0.274	-0.052	-0.612	-0.046	-0.003	0.052	0.175	0.760
Fruits & Nuts	-0.160	0.238	-0.030	-0.892	-0.104	0.056	-0.063	0.954
Vegetables	-0.156	-0.015	-0.010	-0.103	-0.602	0.016	-0.130	1.001
Fats & Starches	-0.074	-0.098	-0.004	0.006	0.002	-0.930	0.087	1.011
Alcohol	0.268	-0.135	0.065	-0.049	-0.106	0.428	-1.395	0.924

H Compensated Elasticity Estimates

H.1 Level 1

Table H.1: Compensated Elasticities - Level 1: 2001/02

	Dairy & Eggs	Meat	Fish	Fruit & Nuts	Vegetables	Fats & Starches	Alcohol
Dairy & Eggs	-0.339	0.147	0.024	-0.012	-0.014	0.052	0.142
Meat	0.070	-0.625	0.025	0.086	0.050	0.270	0.124
Fish	0.058	0.128	-0.323	0.120	0.031	0.078	-0.092
Fruit & Nuts	-0.017	0.267	0.074	-0.748	0.019	0.463	-0.059
Vegetables	-0.019	0.141	0.017	0.017	-0.483	0.287	0.039
Fats & Starches	0.014	0.153	0.009	0.084	0.058	-0.414	0.097
Alcohol	0.129	0.238	-0.035	-0.036	0.027	0.329	-0.652

Table H.2: Compensated Elasticities - Level 1: 2002/03

	Dairy & Eggs	Meat	Fish	Fruit & Nuts	Vegetables	Fats & Starches	Alcohol
Dairy & Eggs	-0.256	0.151	0.022	0.030	-0.043	0.023	0.073
Meat	0.072	-0.559	0.039	0.113	0.068	0.191	0.076
Fish	0.054	0.205	-0.401	0.073	0.037	0.066	-0.035
Fruit & Nuts	0.043	0.339	0.042	-0.782	0.044	0.433	-0.119
Vegetables	-0.057	0.193	0.020	0.041	-0.511	0.354	-0.040
Fats & Starches	0.006	0.111	0.007	0.084	0.072	-0.433	0.153
Alcohol	0.067	0.147	-0.013	-0.076	-0.027	0.507	-0.604

Table H.3: Compensated Elasticities - Level 1: 2003/04

	Dairy & Eggs	Meat	Fish	Fruit & Nuts	Vegetables	Fats & Starches	Alcohol
Dairy & Eggs	-0.225	0.184	-0.003	-0.005	-0.039	-0.015	0.103
Meat	0.086	-0.584	0.022	0.102	0.060	0.241	0.072
Fish	-0.008	0.122	-0.304	0.064	0.021	0.177	-0.072
Fruit & Nuts	-0.007	0.315	0.036	-0.682	0.067	0.282	-0.011
Vegetables	-0.052	0.171	0.011	0.062	-0.541	0.366	-0.016
Fats & Starches	-0.004	0.143	0.019	0.054	0.076	-0.426	0.138
Alcohol	0.093	0.140	-0.026	-0.007	-0.011	0.448	-0.637

Table H.4: Compensated Elasticities - Level 1: 2004/05

	Dairy & Eggs	Meat	Fish	Fruit & Nuts	Vegetables	Fats & Starches	Alcohol
Dairy & Eggs	-0.341	0.185	0.008	-0.001	-0.009	0.041	0.117
Meat	0.088	-0.562	0.020	0.111	0.035	0.220	0.087
Fish	0.020	0.104	-0.280	0.105	0.029	0.079	-0.058
Fruit & Nuts	-0.002	0.333	0.062	-0.754	0.067	0.400	-0.105
Vegetables	-0.012	0.099	0.016	0.062	-0.501	0.292	0.044
Fats & Starches	0.011	0.129	0.009	0.078	0.061	-0.424	0.134
Alcohol	0.105	0.165	-0.021	-0.067	0.030	0.433	-0.646

Table H.5: Compensated Elasticities - Level 1: 2005/06

	Dairy & Eggs	Meat	Fish	Fruit & Nuts	Vegetables	Fats & Starches	Alcohol
Dairy & Eggs	-0.297	0.153	0.007	0.008	0.047	-0.027	0.109
Meat	0.076	-0.588	0.009	0.089	0.066	0.302	0.047
Fish	0.017	0.045	-0.330	0.141	0.038	0.171	-0.081
Fruit & Nuts	0.010	0.235	0.078	-0.686	0.065	0.379	-0.082
Vegetables	0.061	0.171	0.020	0.064	-0.521	0.247	-0.043
Fats & Starches	-0.008	0.177	0.021	0.083	0.055	-0.476	0.148
Alcohol	0.101	0.088	-0.031	-0.058	-0.031	0.473	-0.542

Table H.6: Compensated Elasticities - Level 1: 2006

	Dairy & Eggs	Meat	Fish	Fruit & Nuts	Vegetables	Fats & Starches	Alcohol
Dairy & Eggs	-0.260	0.163	-0.003	-0.023	-0.002	0.005	0.120
Meat	0.080	-0.605	0.030	0.128	0.068	0.209	0.090
Fish	-0.006	0.139	-0.376	0.156	0.052	0.149	-0.114
Fruit & Nuts	-0.030	0.329	0.086	-0.694	0.049	0.309	-0.048
Vegetables	-0.003	0.178	0.029	0.049	-0.537	0.291	-0.008
Fats & Starches	0.001	0.121	0.019	0.070	0.065	-0.407	0.130
Alcohol	0.112	0.171	-0.046	-0.036	-0.006	0.426	-0.622

Table H.7: Compensated Elasticities - Level 1: 2007

	Dairy & Eggs	Meat	Fish	Fruit & Nuts	Vegetables	Fats & Starches	Alcohol
Dairy & Eggs	-0.305	0.194	0.044	0.004	-0.037	0.018	0.081
Meat	0.096	-0.500	0.005	0.129	0.054	0.182	0.034
Fish	0.102	0.024	-0.279	0.005	0.075	0.152	-0.080
Fruit & Nuts	0.006	0.336	0.003	-0.672	0.025	0.307	-0.005
Vegetables	-0.047	0.139	0.041	0.025	-0.465	0.297	0.011
Fats & Starches	0.005	0.106	0.019	0.069	0.068	-0.443	0.177
Alcohol	0.076	0.063	-0.033	-0.004	0.008	0.574	-0.685

Table H.8: Compensated Elasticities - Level 1: 2008

	Dairy & Eggs	Meat	Fish	Fruit & Nuts	Vegetables	Fats & Starches	Alcohol
Dairy & Eggs	-0.311	0.234	-0.012	-0.067	-0.046	0.063	0.138
Meat	0.124	-0.555	-0.002	0.138	0.074	0.102	0.120
Fish	-0.031	-0.011	-0.297	0.098	0.045	0.233	-0.036
Fruit & Nuts	-0.093	0.363	0.055	-0.692	0.073	0.378	-0.084
Vegetables	-0.063	0.191	0.025	0.071	-0.539	0.343	-0.027
Fats & Starches	0.019	0.058	0.028	0.082	0.076	-0.388	0.124
Alcohol	0.150	0.245	-0.016	-0.065	-0.022	0.447	-0.739

Table H.9: Compensated Elasticities - Level 1: 2009

	Dairy & Eggs	Meat	Fish	Fruit & Nuts	Vegetables	Fats & Starches	Alcohol
Dairy & Eggs	-0.403	0.181	-0.009	0.022	0.000	0.010	0.200
Meat	0.097	-0.568	0.037	0.144	0.075	0.184	0.031
Fish	-0.025	0.181	-0.412	0.098	0.013	0.215	-0.070
Fruit & Nuts	0.033	0.404	0.057	-0.632	0.053	0.205	-0.118
Vegetables	0.001	0.195	0.007	0.049	-0.557	0.377	-0.071
Fats & Starches	0.003	0.105	0.025	0.042	0.082	-0.449	0.192
Alcohol	0.209	0.060	-0.028	-0.082	-0.053	0.655	-0.762

H.2 Level 2

Table H.10: Compensated Elasticities - Level 2: Dairy & Eggs 2001/02

	Cheese	Eggs	Cream	Milk	Other dairy
Cheese	-0.390	0.070	-0.018	0.140	0.198
Eggs	0.236	-0.415	-0.015	0.038	0.156
Cream	-0.188	-0.047	-0.417	0.636	0.015
Milk	0.086	0.007	0.037	-0.232	0.102
Other dairy	0.227	0.053	0.002	0.192	-0.474

Table H.11: Compensated Elasticities - Level 2: Dairy & Eggs 2002/03

	Cheese	Eggs	Cream	Milk	Other dairy
Cheese	-0.363	0.069	0.005	0.105	0.184
Eggs	0.230	-0.481	-0.013	0.056	0.208
Cream	0.059	-0.041	-0.460	0.511	-0.069
Milk	0.064	0.010	0.029	-0.215	0.111
Other dairy	0.197	0.067	-0.007	0.193	-0.450

Table H.12: Compensated Elasticities - Level 2: Dairy & Eggs 2003/04

	Cheese	Eggs	Cream	Milk	Other dairy
Cheese	-0.351	0.075	-0.020	0.121	0.174
Eggs	0.247	-0.429	-0.077	0.083	0.176
Cream	-0.220	-0.258	-0.505	0.949	0.034
Milk	0.074	0.016	0.053	-0.265	0.122
Other dairy	0.178	0.055	0.003	0.202	-0.437

Table H.13: Compensated Elasticities - Level 2: Dairy & Eggs 2004/05

	Cheese	Eggs	Cream	Milk	Other dairy
Cheese	-0.377	0.082	-0.015	0.087	0.223
Eggs	0.265	-0.573	-0.024	0.105	0.228
Cream	-0.174	-0.085	-0.412	0.765	-0.094
Milk	0.055	0.021	0.043	-0.223	0.104
Other dairy	0.220	0.069	-0.008	0.161	-0.443

Table H.14: Compensated Elasticities - Level 2: Dairy & Eggs 2005/06

	Cheese	Eggs	Cream	Milk	Other dairy
Cheese	-0.345	0.071	-0.025	0.156	0.143
Eggs	0.231	-0.585	-0.011	0.137	0.228
Cream	-0.270	-0.037	-0.437	0.853	-0.109
Milk	0.100	0.027	0.050	-0.281	0.104
Other dairy	0.142	0.069	-0.010	0.161	-0.362

Table H.15: Compensated Elasticities - Level 2: Dairy & Eggs 2006

	Cheese	Eggs	Cream	Milk	Other dairy
Cheese	-0.333	0.076	-0.012	0.121	0.148
Eggs	0.257	-0.544	-0.014	0.147	0.154
Cream	-0.129	-0.046	-0.422	0.765	-0.168
Milk	0.077	0.028	0.046	-0.292	0.140
Other dairy	0.144	0.045	-0.015	0.212	-0.386

Table H.16: Compensated Elasticities - Level 2: Dairy & Eggs 2007

	Cheese	Eggs	Cream	Milk	Other dairy
Cheese	-0.380	0.078	-0.031	0.181	0.152
Eggs	0.235	-0.498	-0.016	0.116	0.164
Cream	-0.349	-0.060	-0.511	0.911	0.009
Milk	0.119	0.025	0.054	-0.318	0.119
Other dairy	0.157	0.056	0.001	0.187	-0.401

Table H.17: Compensated Elasticities - Level 2: Dairy & Eggs 2008

	Cheese	Eggs	Cream	Milk	Other dairy
Cheese	-0.389	0.068	-0.036	0.247	0.110
Eggs	0.181	-0.591	-0.017	0.242	0.186
Cream	-0.382	-0.068	-0.529	1.054	-0.075
Milk	0.155	0.057	0.063	-0.403	0.128
Other dairy	0.109	0.069	-0.007	0.201	-0.372

Table H.18: Compensated Elasticities - Level 2: Dairy & Eggs 2009

	Cheese	Eggs	Cream	Milk	Other dairy
Cheese	-0.425	0.060	-0.060	0.268	0.157
Eggs	0.167	-0.612	0.007	0.219	0.219
Cream	-0.628	0.026	-0.578	1.194	-0.015
Milk	0.167	0.049	0.071	-0.408	0.121
Other dairy	0.157	0.079	-0.001	0.195	-0.430

Table H.19: Compensated Elasticities - Level 2: Meat 2001/02

	Beef	Lamb	Pork	Bacon & Ham	Poultry	Sausages	Other meat
Beef	-0.551	-0.038	0.003	0.120	0.192	0.022	0.253
Lamb	-0.096	-0.716	0.180	0.169	0.247	0.016	0.200
Pork	0.007	0.175	-0.840	0.175	0.192	-0.051	0.342
Bacon & Ham	0.102	0.057	0.060	-0.655	0.174	0.050	0.213
Poultry	0.129	0.065	0.052	0.137	-0.788	0.041	0.364
Sausages	0.068	0.019	-0.064	0.182	0.192	-0.615	0.217
Other meat	0.082	0.026	0.045	0.081	0.177	0.023	-0.433

Table H.20: Compensated Elasticities - Level 2: Meat 2002/03

	Beef	Lamb	Pork	Bacon & Ham	Poultry	Sausages	Other meat
Beef	-0.490	-0.044	-0.028	0.140	0.090	0.002	0.330
Lamb	-0.113	-0.452	0.027	0.120	0.217	-0.009	0.211
Pork	-0.069	0.026	-0.672	0.163	0.194	0.032	0.326
Bacon & Ham	0.120	0.041	0.057	-0.659	0.165	0.039	0.237
Poultry	0.062	0.059	0.054	0.133	-0.766	0.042	0.416
Sausages	0.007	-0.011	0.041	0.142	0.190	-0.611	0.242
Other meat	0.104	0.026	0.042	0.087	0.190	0.024	-0.473

Table H.21: Compensated Elasticities - Level 2: Meat 2003/04

	Beef	Lamb	Pork	Bacon & Ham	Poultry	Sausages	Other meat
Beef	-0.566	-0.046	0.014	0.109	0.152	0.010	0.327
Lamb	-0.110	-0.507	0.137	0.043	0.181	0.085	0.170
Pork	0.037	0.148	-0.737	0.146	0.142	0.004	0.259
Bacon & Ham	0.092	0.015	0.048	-0.592	0.164	0.011	0.261
Poultry	0.099	0.050	0.036	0.126	-0.713	0.035	0.366
Sausages	0.030	0.109	0.005	0.039	0.160	-0.591	0.249
Other meat	0.102	0.022	0.032	0.096	0.176	0.026	-0.455

Table H.22: Compensated Elasticities - Level 2: Meat 2004/05

	Beef	Lamb	Pork	Bacon & Ham	Poultry	Sausages	Other meat
Beef	-0.506	-0.063	-0.004	0.121	0.162	0.007	0.284
Lamb	-0.172	-0.554	0.133	0.028	0.268	0.075	0.222
Pork	-0.012	0.131	-0.656	0.173	0.173	-0.083	0.274
Bacon & Ham	0.111	0.010	0.059	-0.583	0.157	0.023	0.224
Poultry	0.112	0.068	0.045	0.118	-0.755	0.039	0.374
Sausages	0.022	0.087	-0.098	0.079	0.179	-0.579	0.310
Other meat	0.096	0.028	0.035	0.083	0.184	0.033	-0.458

Table H.23: Compensated Elasticities - Level 2: Meat 2005/06

	Beef	Lamb	Pork	Bacon & Ham	Poultry	Sausages	Other meat
Beef	-0.535	-0.012	0.016	0.145	0.151	0.016	0.219
Lamb	-0.030	-0.565	0.029	0.028	0.234	0.008	0.295
Pork	0.045	0.034	-0.728	0.121	0.204	-0.004	0.326
Bacon & Ham	0.134	0.011	0.039	-0.552	0.171	0.023	0.174
Poultry	0.100	0.064	0.047	0.124	-0.772	0.025	0.411
Sausages	0.052	0.010	-0.004	0.080	0.120	-0.553	0.295
Other meat	0.075	0.042	0.039	0.065	0.212	0.032	-0.464

Table H.24: Compensated Elasticities - Level 2: Meat 2006

	Beef	Lamb	Pork	Bacon & Ham	Poultry	Sausages	Other meat
Beef	-0.471	-0.048	0.024	0.145	0.179	0.012	0.158
Lamb	-0.128	-0.434	0.054	0.051	0.208	0.019	0.230
Pork	0.072	0.060	-0.733	0.146	0.193	0.009	0.253
Bacon & Ham	0.139	0.018	0.047	-0.602	0.160	0.032	0.205
Poultry	0.129	0.056	0.047	0.121	-0.754	0.034	0.367
Sausages	0.040	0.024	0.010	0.114	0.158	-0.580	0.234
Other meat	0.059	0.032	0.032	0.080	0.190	0.026	-0.419

Table H.25: Compensated Elasticities - Level 2: Meat 2007

	Beef	Lamb	Pork	Bacon & Ham	Poultry	Sausages	Other meat
Beef	-0.448	-0.026	-0.004	0.147	0.139	0.006	0.186
Lamb	-0.067	-0.564	0.103	0.070	0.186	0.022	0.250
Pork	-0.012	0.111	-0.644	0.076	0.191	-0.024	0.302
Bacon & Ham	0.140	0.026	0.026	-0.599	0.149	0.043	0.216
Poultry	0.098	0.051	0.048	0.111	-0.705	0.037	0.360
Sausages	0.020	0.027	-0.026	0.142	0.162	-0.546	0.222
Other meat	0.068	0.035	0.039	0.083	0.186	0.026	-0.438

Table H.26: Compensated Elasticities - Level 2: Meat 2008

	Beef	Lamb	Pork	Bacon & Ham	Poultry	Sausages	Other meat
Beef	-0.570	-0.033	0.031	0.143	0.190	0.052	0.188
Lamb	-0.089	-0.506	0.157	0.005	0.190	0.027	0.217
Pork	0.081	0.154	-0.763	0.063	0.212	0.001	0.252
Bacon & Ham	0.128	0.002	0.021	-0.579	0.170	0.020	0.238
Poultry	0.130	0.049	0.055	0.130	-0.710	0.043	0.303
Sausages	0.161	0.031	0.001	0.071	0.192	-0.616	0.159
Other meat	0.069	0.030	0.035	0.098	0.163	0.019	-0.415

Table H.27: Compensated Elasticities - Level 2: Meat 2009

	Beef	Lamb	Pork	Bacon & Ham	Poultry	Sausages	Other meat
Beef	-0.462	0.032	0.000	0.093	0.108	0.029	0.200
Lamb	0.097	-0.515	0.092	0.116	0.196	-0.106	0.121
Pork	-0.001	0.083	-0.743	0.091	0.210	0.060	0.300
Bacon & Ham	0.084	0.035	0.030	-0.589	0.190	0.034	0.215
Poultry	0.074	0.045	0.054	0.145	-0.706	0.037	0.350
Sausages	0.085	-0.106	0.067	0.111	0.160	-0.585	0.267
Other meat	0.075	0.015	0.042	0.089	0.190	0.034	-0.444

Table H.28: Compensated Elasticities - Level 2: Fish 2001/02

	White fish	Salmon	Blue fish	Other fish
White fish	-0.455	0.065	-0.034	0.425
Salmon	0.142	-0.632	0.023	0.467
Blue fish	-0.103	0.032	-0.410	0.482
Other fish	0.191	0.095	0.072	-0.358

Table H.29: Compensated Elasticities - Level 2: Fish 2002/03

	White fish	Salmon	Blue fish	Other fish
White fish	-0.478	0.017	-0.013	0.474
Salmon	0.039	-0.512	0.036	0.437
Blue fish	-0.040	0.047	-0.427	0.420
Other fish	0.207	0.084	0.061	-0.352

Table H.30: Compensated Elasticities - Level 2: Fish 2003/04

	White fish	Salmon	Blue fish	Other fish
White fish	-0.583	0.058	0.000	0.525
Salmon	0.105	-0.578	0.016	0.457
Blue fish	0.001	0.022	-0.456	0.433
Other fish	0.180	0.086	0.061	-0.328

Table H.31: Compensated Elasticities - Level 2: Fish 2004/05

	White fish	Salmon	Blue fish	Other fish
White fish	-0.476	0.063	-0.024	0.437
Salmon	0.111	-0.617	0.034	0.472
Blue fish	-0.056	0.044	-0.430	0.442
Other fish	0.141	0.086	0.062	-0.290

Table H.32: Compensated Elasticities - Level 2: Fish 2005/06

	White fish	Salmon	Blue fish	Other fish
White fish	-0.487	0.116	-0.096	0.467
Salmon	0.176	-0.599	0.001	0.422
Blue fish	-0.192	0.002	-0.342	0.532
Other fish	0.135	0.081	0.077	-0.292

Table H.33: Compensated Elasticities - Level 2: Fish 2006

	White fish	Salmon	Blue fish	Other fish
White fish	-0.597	0.097	0.020	0.480
Salmon	0.139	-0.563	-0.053	0.478
Blue fish	0.039	-0.074	-0.417	0.452
Other fish	0.144	0.100	0.068	-0.312

Table H.34: Compensated Elasticities - Level 2: Fish 2007

	White fish	Salmon	Blue fish	Other fish
White fish	-0.591	0.030	-0.007	0.568
Salmon	0.043	-0.541	0.028	0.470
Blue fish	-0.012	0.033	-0.462	0.441
Other fish	0.158	0.091	0.073	-0.323

Table H.35: Compensated Elasticities - Level 2: Fish 2008

	White fish	Salmon	Blue fish	Other fish
White fish	-0.507	0.041	-0.006	0.472
Salmon	0.058	-0.612	0.028	0.526
Blue fish	-0.013	0.041	-0.563	0.535
Other fish	0.142	0.111	0.077	-0.330

Table H.36: Compensated Elasticities - Level 2: Fish 2009

	White fish	Salmon	Blue fish	Other fish
White fish	-0.591	0.081	-0.023	0.533
Salmon	0.102	-0.607	0.071	0.434
Blue fish	-0.045	0.111	-0.522	0.456
Other fish	0.141	0.091	0.061	-0.293

Table H.37: Compensated Elasticities - Level 2: Fruits & Nuts 2001/02

	Fresh fruits	Tinned & dried	Nuts	Juice
Fresh fruits	-0.249	0.044	0.060	0.146
Tinned & dried	0.390	-0.643	0.052	0.201
Nuts	0.652	0.064	-0.779	0.063
Juice	0.565	0.088	0.022	-0.675

Table H.38: Compensated Elasticities - Level 2: Fruits & Nuts 2002/03

	Fresh fruits	Tinned & dried	Nuts	Juice
Fresh fruits	-0.232	0.053	0.045	0.133
Tinned & dried	0.483	-0.715	0.084	0.148
Nuts	0.518	0.107	-0.726	0.101
Juice	0.545	0.067	0.036	-0.648

Table H.39: Compensated Elasticities - Level 2: Fruits & Nuts 2003/04

	Fresh fruits	Tinned & dried	Nuts	Juice
Fresh fruits	-0.220	0.055	0.046	0.119
Tinned & dried	0.536	-0.742	0.016	0.190
Nuts	0.515	0.019	-0.592	0.058
Juice	0.543	0.088	0.024	-0.655

Table H.40: Compensated Elasticities - Level 2: Fruits & Nuts 2004/05

	Fresh fruits	Tinned & dried	Nuts	Juice
Fresh fruits	-0.234	0.070	0.056	0.108
Tinned & dried	0.655	-0.787	0.066	0.065
Nuts	0.506	0.063	-0.664	0.095
Juice	0.561	0.036	0.055	-0.652

Table H.41: Compensated Elasticities - Level 2: Fruits & Nuts 2005/06

	Fresh fruits	Tinned & dried	Nuts	Juice
Fresh fruits	-0.242	0.058	0.062	0.122
Tinned & dried	0.568	-0.730	0.039	0.123
Nuts	0.557	0.036	-0.617	0.024
Juice	0.532	0.055	0.011	-0.598

Table H.42: Compensated Elasticities - Level 2: Fruits & Nuts 2006

	Fresh fruits	Tinned & dried	Nuts	Juice
Fresh fruits	-0.244	0.047	0.052	0.145
Tinned & dried	0.443	-0.697	0.069	0.185
Nuts	0.490	0.068	-0.613	0.055
Juice	0.555	0.075	0.023	-0.652

Table H.43: Compensated Elasticities - Level 2: Fruits & Nuts 2007

	Fresh fruits	Tinned & dried	Nuts	Juice
Fresh fruits	-0.270	0.057	0.054	0.159
Tinned & dried	0.590	-0.750	0.010	0.150
Nuts	0.526	0.010	-0.682	0.146
Juice	0.608	0.055	0.057	-0.720

Table H.44: Compensated Elasticities - Level 2: Fruits & Nuts 2008

	Fresh fruits	Tinned & dried	Nuts	Juice
Fresh fruits	-0.229	0.047	0.048	0.134
Tinned & dried	0.481	-0.755	0.120	0.154
Nuts	0.481	0.118	-0.660	0.061
Juice	0.543	0.061	0.024	-0.628

Table H.45: Compensated Elasticities - Level 2: Fruits & Nuts 2009

	Fresh fruits	Tinned & dried	Nuts	Juice
Fresh fruits	-0.235	0.057	0.056	0.122
Tinned & dried	0.557	-0.746	0.055	0.134
Nuts	0.500	0.050	-0.709	0.159
Juice	0.541	0.061	0.080	-0.682

Table H.46: Compensated Elasticities - Level 2: Vegetables 2001/02

	Fresh veg.	Canned veg.
Fresh veg.	-0.076	0.076
Canned veg.	0.489	-0.489

Table H.47: Compensated Elasticities - Level 2: Vegetables 2002/03

	Fresh veg.	Canned veg.
Fresh veg.	-0.077	0.077
Canned veg.	0.469	-0.469

Table H.48: Compensated Elasticities - Level 2: Vegetables 2003/04

	Fresh veg.	Canned veg.
Fresh veg.	-0.079	0.079
Canned veg.	0.515	-0.515

Table H.49: Compensated Elasticities - Level 2: Vegetables 2004/05

	Fresh veg.	Canned veg.
Fresh veg.	-0.090	0.090
Canned veg.	0.587	-0.587

Table H.50: Compensated Elasticities - Level 2: Vegetables 2005/06

	Fresh veg.	Canned veg.
Fresh veg.	-0.074	0.074
Canned veg.	0.499	-0.499

Table H.51: Compensated Elasticities - Level 2: Vegetables 2006

	Fresh veg.	Canned veg.
Fresh veg.	-0.074	0.074
Canned veg.	0.497	-0.497

Table H.52: Compensated Elasticities - Level 2: Vegetables 2007

	Fresh veg.	Canned veg.
Fresh veg.	-0.080	0.080
Canned veg.	0.547	-0.547

Table H.53: Compensated Elasticities - Level 2: Vegetables 2008

	Fresh veg.	Canned veg.
Fresh veg.	-0.082	0.082
Canned veg.	0.496	-0.496

Table H.54: Compensated Elasticities - Level 2: Vegetables 2009

	Fresh veg.	Canned veg.
Fresh veg.	-0.095	0.095
Canned veg.	0.525	-0.525

Table H.55: Compensated Elasticities - Level 2: Fats & Starches 2001/02

	Potatoes	Sweets	Starches	Non-alc. Drinks	Other starches	Fats
Potatoes	-0.716	0.065	0.375	0.115	0.068	0.092
Sweets	0.070	-0.275	0.140	-0.005	0.047	0.022
Starches	0.111	0.038	-0.326	0.137	0.047	-0.007
Non-alc. Drinks	0.105	-0.004	0.420	-0.663	0.100	0.042
Other starches	0.076	0.049	0.176	0.124	-0.487	0.062
Fats	0.270	0.060	-0.070	0.136	0.162	-0.558

Table H.56: Compensated Elasticities - Level 2: Fats & Starches 2002/03

	Potatoes	Sweets	Starches	Non-alc. Drinks	Other starches	Fats
Potatoes	-0.740	0.063	0.387	0.112	0.090	0.089
Sweets	0.067	-0.525	0.281	0.069	0.053	0.054
Starches	0.107	0.073	-0.367	0.120	0.069	-0.002
Non-alc. Drinks	0.098	0.056	0.378	-0.690	0.101	0.057
Other starches	0.094	0.052	0.261	0.121	-0.482	-0.046
Fats	0.243	0.140	-0.016	0.180	-0.120	-0.427

Table H.57: Compensated Elasticities - Level 2: Fats & Starches 2003/04

	Potatoes	Sweets	Starches	Non-alc. Drinks	Other starches	Fats
Potatoes	-0.694	0.094	0.372	0.109	0.079	0.040
Sweets	0.101	-0.417	0.119	0.113	0.017	0.066
Starches	0.105	0.031	-0.319	0.125	0.069	-0.011
Non-alc. Drinks	0.092	0.089	0.372	-0.643	0.056	0.033
Other starches	0.085	0.017	0.261	0.072	-0.493	0.058
Fats	0.118	0.180	-0.114	0.115	0.159	-0.457

Table H.58: Compensated Elasticities - Level 2: Fats & Starches 2004/05

	Potatoes	Sweets	Starches	Non-alc. Drinks	Other starches	Fats
Potatoes	-0.183	-0.025	0.146	0.102	-0.063	0.023
Sweets	-0.026	-0.370	0.178	0.066	0.120	0.032
Starches	0.040	0.048	-0.279	0.112	0.075	0.004
Non-alc. Drinks	0.087	0.055	0.345	-0.654	0.104	0.063
Other starches	-0.065	0.121	0.280	0.126	-0.491	0.029
Fats	0.065	0.088	0.040	0.207	0.080	-0.481

Table H.59: Compensated Elasticities - Level 2: Fats & Starches 2005/06

	Potatoes	Sweets	Starches	Non-alc. Drinks	Other starches	Fats
Potatoes	-0.262	-0.002	0.182	0.141	-0.035	-0.024
Sweets	-0.002	-0.441	0.207	0.066	0.078	0.092
Starches	0.048	0.051	-0.283	0.110	0.074	0.000
Non-alc. Drinks	0.123	0.054	0.362	-0.635	0.083	0.012
Other starches	-0.035	0.073	0.281	0.096	-0.521	0.106
Fats	-0.065	0.234	0.002	0.037	0.285	-0.492

Table H.60: Compensated Elasticities - Level 2: Fats & Starches 2006

	Potatoes	Sweets	Starches	Non-alc. Drinks	Other starches	Fats
Potatoes	-0.251	-0.011	0.196	0.121	-0.035	-0.020
Sweets	-0.012	-0.409	0.146	0.066	0.101	0.107
Starches	0.052	0.036	-0.288	0.105	0.097	-0.002
Non-alc. Drinks	0.104	0.052	0.344	-0.603	0.051	0.052
Other starches	-0.035	0.093	0.364	0.059	-0.542	0.061
Fats	-0.054	0.261	-0.021	0.159	0.163	-0.508

Table H.61: Compensated Elasticities - Level 2: Fats & Starches 2007

	Potatoes	Sweets	Starches	Non-alc. Drinks	Other starches	Fats
Potatoes	-0.266	0.013	0.124	0.095	0.002	0.033
Sweets	0.015	-0.415	0.245	0.035	0.043	0.077
Starches	0.034	0.061	-0.285	0.111	0.087	-0.007
Non-alc. Drinks	0.086	0.029	0.372	-0.640	0.092	0.061
Other starches	0.002	0.040	0.332	0.104	-0.531	0.053
Fats	0.087	0.191	-0.070	0.179	0.140	-0.527

Table H.62: Compensated Elasticities - Level 2: Fats & Starches 2008

	Potatoes	Sweets	Starches	Non-alc. Drinks	Other starches	Fats
Potatoes	-0.297	0.000	0.190	0.095	-0.008	0.020
Sweets	0.000	-0.413	0.249	-0.004	0.046	0.122
Starches	0.049	0.060	-0.279	0.115	0.068	-0.012
Non-alc. Drinks	0.086	-0.003	0.406	-0.682	0.099	0.094
Other starches	-0.009	0.045	0.272	0.113	-0.474	0.052
Fats	0.046	0.266	-0.112	0.242	0.117	-0.557

Table H.63: Compensated Elasticities - Level 2: Fats & Starches 2009

	Potatoes	Sweets	Starches	Non-alc. Drinks	Other starches	Fats
Potatoes	-0.221	-0.042	0.220	0.103	-0.042	-0.018
Sweets	-0.042	-0.470	0.265	0.074	0.094	0.078
Starches	0.055	0.066	-0.320	0.097	0.096	0.006
Non-alc. Drinks	0.089	0.064	0.332	-0.629	0.067	0.077
Other starches	-0.040	0.089	0.362	0.074	-0.553	0.067
Fats	-0.044	0.190	0.061	0.217	0.171	-0.595

H.3 Level 3

Table H.64: Compensated Elasticities - Level 3: Beef 2001/02

	Joints	Cheap Steak	Exp. Steak	Mince	Other & veal
Joints	-0.676	0.083	0.327	0.202	0.065
Cheap Steak	0.179	-0.799	0.293	0.194	0.133
Exp. Steak	0.262	0.108	-0.515	0.189	-0.045
Mince	0.221	0.098	0.257	-0.739	0.164
Other & veal	1.424	1.340	-1.215	3.284	-4.833

Table H.65: Compensated Elasticities - Level 3: Beef 2002/03

	Joints	Cheap Steak	Exp. Steak	Mince	Other & veal
Joints	-0.640	0.099	0.273	0.233	0.035
Cheap Steak	0.195	-0.739	0.243	0.180	0.121
Exp. Steak	0.216	0.098	-0.548	0.204	0.030
Mince	0.238	0.094	0.263	-0.730	0.135
Other & veal	1.081	1.898	1.141	4.032	-8.152

Table H.66: Compensated Elasticities - Level 3: Beef 2003/04

	Joints	Cheap Steak	Exp. Steak	Mince	Other & veal
Joints	-0.696	0.105	0.307	0.226	0.058
Cheap Steak	0.223	-0.675	0.323	0.078	0.051
Exp. Steak	0.225	0.111	-0.546	0.179	0.030
Mince	0.239	0.039	0.258	-0.715	0.178
Other & veal	1.877	0.775	1.323	5.394	-9.369

Table H.67: Compensated Elasticities - Level 3: Beef 2004/05

	Joints	Cheap Steak	Exp. Steak	Mince	Other & veal
Joints	-0.709	0.066	0.362	0.226	0.055
Cheap Steak	0.123	-0.728	0.336	0.108	0.162
Exp. Steak	0.240	0.118	-0.537	0.190	-0.011
Mince	0.228	0.058	0.289	-0.729	0.154
Other & veal	1.216	1.900	-0.361	3.381	-6.135

Table H.68: Compensated Elasticities - Level 3: Beef 2005/06

	Joints	Cheap Steak	Exp. Steak	Mince	Other & veal
Joints	-0.771	0.129	0.331	0.255	0.056
Cheap Steak	0.204	-0.725	0.265	0.144	0.112
Exp. Steak	0.243	0.123	-0.594	0.210	0.018
Mince	0.240	0.085	0.269	-0.723	0.128
Other & veal	1.450	1.815	0.640	3.498	-7.404

Table H.69: Compensated Elasticities - Level 3: Beef 2006

	Joints	Cheap Steak	Exp. Steak	Mince	Other & veal
Joints	-0.688	0.123	0.281	0.222	0.061
Cheap Steak	0.233	-0.798	0.253	0.147	0.165
Exp. Steak	0.247	0.117	-0.570	0.207	-0.001
Mince	0.231	0.081	0.246	-0.727	0.169
Other & veal	3.503	4.970	-0.079	9.261	-17.654

Table H.70: Compensated Elasticities - Level 3: Beef 2007

	Joints	Cheap Steak	Exp. Steak	Mince	Other & veal
Joints	-0.638	0.040	0.311	0.210	0.077
Cheap Steak	0.066	-0.743	0.222	0.204	0.251
Exp. Steak	0.210	0.092	-0.537	0.250	-0.015
Mince	0.161	0.096	0.283	-0.691	0.151
Other & veal	5.626	11.299	-1.647	14.500	-29.779

Table H.71: Compensated Elasticities - Level 3: Beef 2008

	Joints	Cheap Steak	Exp. Steak	Mince	Other & veal
Joints	-0.696	0.043	0.231	0.274	0.148
Cheap Steak	0.070	-0.752	0.300	0.250	0.132
Exp. Steak	0.158	0.128	-0.571	0.258	0.028
Mince	0.190	0.108	0.261	-0.663	0.104
Other & veal	9.228	5.118	2.552	9.370	-26.269

Table H.72: Compensated Elasticities - Level 3: Beef 2009

	Joints	Cheap Steak	Exp. Steak	Mince	Other & veal
Joints	-0.708	0.129	0.236	0.276	0.066
Cheap Steak	0.169	-0.777	0.235	0.232	0.141
Exp. Steak	0.163	0.124	-0.599	0.245	0.067
Mince	0.182	0.117	0.233	-0.664	0.132
Other & veal	2.775	4.506	4.052	8.384	-19.716

Table H.73: Compensated Elasticities - Level 3: Lamb 2001/02

	Mutton	Joints	Chops	Other
Mutton	-5.593	1.191	1.458	2.945
Joints	0.023	-0.493	0.376	0.093
Chops	0.036	0.478	-0.609	0.095
Other	0.245	0.400	0.322	-0.967

Table H.74: Compensated Elasticities - Level 3: Lamb 2002/03

	Mutton	Joints	Chops	Other
Mutton	-5.138	2.255	1.234	1.650
Joints	0.059	-0.482	0.360	0.063
Chops	0.043	0.478	-0.632	0.111
Other	0.194	0.281	0.373	-0.848

Table H.75: Compensated Elasticities - Level 3: Lamb 2003/04

	Mutton	Joints	Chops	Other
Mutton	-6.251	2.516	0.269	3.465
Joints	0.051	-0.495	0.387	0.057
Chops	0.007	0.467	-0.570	0.096
Other	0.296	0.242	0.334	-0.872

Table H.76: Compensated Elasticities - Level 3: Lamb 2004/05

	Mutton	Joints	Chops	Other
Mutton	-2.249	0.545	0.619	1.085
Joints	0.025	-0.495	0.393	0.078
Chops	0.031	0.432	-0.568	0.104
Other	0.223	0.349	0.426	-0.999

Table H.77: Compensated Elasticities - Level 3: Lamb 2005/06

	Mutton	Joints	Chops	Other
Mutton	-3.101	1.227	0.673	1.201
Joints	0.057	-0.535	0.399	0.078
Chops	0.034	0.429	-0.564	0.101
Other	0.235	0.326	0.394	-0.955

Table H.78: Compensated Elasticities - Level 3: Lamb 2006

	Mutton	Joints	Chops	Other
Mutton	-4.413	1.567	0.971	1.875
Joints	0.056	-0.549	0.389	0.104
Chops	0.036	0.407	-0.561	0.118
Other	0.245	0.380	0.413	-1.038

Table H.79: Compensated Elasticities - Level 3: Lamb 2007

	Mutton	Joints	Chops	Other
Mutton	-26.507	8.008	5.113	13.386
Joints	0.048	-0.480	0.386	0.047
Chops	0.039	0.493	-0.588	0.055
Other	0.483	0.282	0.263	-1.027

Table H.80: Compensated Elasticities - Level 3: Lamb 2008

	Mutton	Joints	Chops	Other
Mutton	-5.457	1.577	1.519	2.361
Joints	0.044	-0.548	0.421	0.083
Chops	0.043	0.425	-0.563	0.095
Other	0.232	0.289	0.328	-0.849

Table H.81: Compensated Elasticities - Level 3: Lamb 2009

	Mutton	Joints	Chops	Other
Mutton	-44.629	13.042	9.003	22.584
Joints	0.041	-0.534	0.383	0.110
Chops	0.033	0.440	-0.592	0.120
Other	0.252	0.389	0.368	-1.008

Table H.82: Compensated Elasticities - Level 3: Pork 2001/02

	Joints	Chops	Fillets & Steaks	Other pork
Joints	-0.696	0.343	0.264	0.088
Chops	0.278	-0.596	0.255	0.063
Fillets & Steaks	0.255	0.303	-0.684	0.126
Other pork	0.443	0.391	0.653	-1.487

Table H.83: Compensated Elasticities - Level 3: Pork 2002/03

	Joints	Chops	Fillets & Steaks	Other pork
Joints	-0.726	0.352	0.274	0.099
Chops	0.284	-0.615	0.290	0.041
Fillets & Steaks	0.235	0.308	-0.677	0.134
Other pork	0.698	0.356	1.100	-2.155

Table H.84: Compensated Elasticities - Level 3: Pork 2003/04

	Joints	Chops	Fillets & Steaks	Other pork
Joints	-0.682	0.302	0.259	0.121
Chops	0.281	-0.711	0.262	0.168
Fillets & Steaks	0.246	0.266	-0.672	0.160
Other pork	0.197	0.295	0.275	-0.767

Table H.85: Compensated Elasticities - Level 3: Pork 2004/05

	Joints	Chops	Fillets & Steaks	Other pork
Joints	-0.662	0.347	0.210	0.105
Chops	0.325	-0.683	0.225	0.133
Fillets & Steaks	0.236	0.269	-0.687	0.182
Other pork	0.206	0.278	0.320	-0.804

Table H.86: Compensated Elasticities - Level 3: Pork 2005/06

	Joints	Chops	Fillets & Steaks	Other pork
Joints	-0.662	0.269	0.255	0.139
Chops	0.234	-0.605	0.253	0.118
Fillets & Steaks	0.252	0.289	-0.683	0.142
Other pork	0.237	0.231	0.246	-0.714

Table H.87: Compensated Elasticities - Level 3: Pork 2006

	Joints	Chops	Fillets & Steaks	Other pork
Joints	-0.635	0.274	0.250	0.111
Chops	0.279	-0.636	0.259	0.098
Fillets & Steaks	0.265	0.271	-0.678	0.142
Other pork	0.241	0.209	0.290	-0.740

Table H.88: Compensated Elasticities - Level 3: Pork 2007

	Joints	Chops	Fillets & Steaks	Other pork
Joints	-0.624	0.268	0.244	0.112
Chops	0.361	-0.687	0.251	0.075
Fillets & Steaks	0.296	0.226	-0.706	0.184
Other pork	0.286	0.143	0.388	-0.817

Table H.89: Compensated Elasticities - Level 3: Pork 2008

	Joints	Chops	Fillets & Steaks	Other pork
Joints	-0.627	0.262	0.253	0.112
Chops	0.319	-0.643	0.260	0.064
Fillets & Steaks	0.282	0.237	-0.734	0.215
Other pork	0.248	0.117	0.427	-0.792

Table H.90: Compensated Elasticities - Level 3: Pork 2009

	Joints	Chops	Fillets & Steaks	Other pork
Joints	-0.647	0.272	0.245	0.129
Chops	0.298	-0.654	0.243	0.113
Fillets & Steaks	0.269	0.243	-0.732	0.220
Other pork	0.231	0.185	0.359	-0.775

Table H.91: Compensated Elasticities - Level 3: Poultry 2001/02

	Chicken	Turkey	Other poultry	Cooked & Takeaw.
Chicken	-0.392	0.123	0.014	0.255
Turkey	0.576	-0.950	0.084	0.290
Other poultry	0.734	0.914	-3.332	1.684
Cooked & Takeaw.	0.548	0.133	0.071	-0.752

Table H.92: Compensated Elasticities - Level 3: Poultry 2002/03

	Chicken	Turkey	Other poultry	Cooked & Takeaw.
Chicken	-0.388	0.100	0.012	0.277
Turkey	0.524	-1.012	0.208	0.280
Other poultry	0.368	1.259	-2.603	0.976
Cooked & Takeaw.	0.586	0.113	0.065	-0.764

Table H.93: Compensated Elasticities - Level 3: Poultry 2003/04

	Chicken	Turkey	Other poultry	Cooked & Takeaw.
Chicken	-0.359	0.100	0.010	0.248
Turkey	0.596	-1.017	0.097	0.324
Other poultry	0.416	0.678	-2.977	1.883
Cooked & Takeaw.	0.594	0.130	0.108	-0.832

Table H.94: Compensated Elasticities - Level 3: Poultry 2004/05

	Chicken	Turkey	Other poultry	Cooked & Takeaw.
Chicken	-0.389	0.102	0.027	0.261
Turkey	0.530	-0.914	0.079	0.305
Other poultry	0.917	0.526	-2.861	1.418
Cooked & Takeaw.	0.573	0.129	0.090	-0.792

Table H.95: Compensated Elasticities - Level 3: Poultry 2005/06

	Chicken	Turkey	Other poultry	Cooked & Takeaw.
Chicken	-0.351	0.084	0.020	0.247
Turkey	0.570	-0.961	0.081	0.310
Other poultry	0.526	0.318	-1.952	1.108
Cooked & Takeaw.	0.590	0.109	0.099	-0.798

Table H.96: Compensated Elasticities - Level 3: Poultry 2006

	Chicken	Turkey	Other poultry	Cooked & Takeaw.
Chicken	-0.348	0.083	0.008	0.257
Turkey	0.576	-0.941	0.060	0.304
Other poultry	0.367	0.376	-2.069	1.327
Cooked & Takeaw.	0.589	0.101	0.070	-0.761

Table H.97: Compensated Elasticities - Level 3: Poultry 2007

	Chicken	Turkey	Other poultry	Cooked & Takeaw.
Chicken	-0.352	0.090	0.025	0.237
Turkey	0.576	-0.911	0.044	0.292
Other poultry	1.012	0.270	-3.024	1.742
Cooked & Takeaw.	0.587	0.113	0.109	-0.808

Table H.98: Compensated Elasticities - Level 3: Poultry 2008

	Chicken	Turkey	Other poultry	Cooked & Takeaw.
Chicken	-0.315	0.069	0.019	0.227
Turkey	0.539	-0.864	0.066	0.259
Other poultry	0.688	0.313	-2.265	1.265
Cooked & Takeaw.	0.632	0.093	0.096	-0.821

Table H.99: Compensated Elasticities - Level 3: Poultry 2009

	Chicken	Turkey	Other poultry	Cooked & Takeaw.
Chicken	-0.318	0.056	0.025	0.237
Turkey	0.439	-0.831	0.063	0.329
Other poultry	0.824	0.268	-2.241	1.149
Cooked & Takeaw.	0.634	0.112	0.092	-0.838

Table H.100: Compensated Elasticities - Level 3: Other Meat 2001/02

	Liver	Canned & Frozen	Processed & Takeaw.	Ready meals
Liver	-1.954	-0.452	2.468	-0.062
Canned & Frozen	-0.071	-0.629	0.518	0.182
Processed & Takeaw.	0.032	0.042	-0.211	0.137
Ready meals	-0.003	0.050	0.467	-0.515

Table H.101: Compensated Elasticities - Level 3: Other Meat 2002/03

	Liver	Canned & Frozen	Processed & Takeaw.	Ready meals
Liver	-2.164	-0.108	1.856	0.416
Canned & Frozen	-0.017	-0.560	0.441	0.136
Processed & Takeaw.	0.024	0.037	-0.213	0.152
Ready meals	0.017	0.036	0.487	-0.540

Table H.102: Compensated Elasticities - Level 3: Other Meat 2003/04

	Liver	Canned & Frozen	Processed & Takeaw.	Ready meals
Liver	-1.923	0.317	1.578	0.028
Canned & Frozen	0.053	-0.634	0.529	0.051
Processed & Takeaw.	0.023	0.045	-0.227	0.159
Ready meals	0.001	0.014	0.495	-0.510

Table H.103: Compensated Elasticities - Level 3: Other Meat 2004/05

	Liver	Canned & Frozen	Processed & Takeaw.	Ready meals
Liver	-3.352	-0.202	2.924	0.630
Canned & Frozen	-0.024	-0.545	0.500	0.069
Processed & Takeaw.	0.032	0.046	-0.236	0.158
Ready meals	0.022	0.021	0.509	-0.552

Table H.104: Compensated Elasticities - Level 3: Other Meat 2005/06

	Liver	Canned & Frozen	Processed & Takeaw.	Ready meals
Liver	-2.974	0.651	2.601	-0.279
Canned & Frozen	0.069	-0.645	0.452	0.124
Processed & Takeaw.	0.029	0.047	-0.221	0.145
Ready meals	-0.011	0.044	0.494	-0.527

Table H.105: Compensated Elasticities - Level 3: Other Meat 2006

	Liver	Canned & Frozen	Processed & Takeaw.	Ready meals
Liver	-3.795	0.466	1.569	1.761
Canned & Frozen	0.039	-0.577	0.464	0.074
Processed & Takeaw.	0.013	0.048	-0.201	0.140
Ready meals	0.055	0.028	0.510	-0.593

Table H.106: Compensated Elasticities - Level 3: Other Meat 2007

	Liver	Canned & Frozen	Processed & Takeaw.	Ready meals
Liver	-3.567	0.923	1.936	0.708
Canned & Frozen	0.079	-0.547	0.457	0.011
Processed & Takeaw.	0.017	0.046	-0.200	0.137
Ready meals	0.024	0.004	0.529	-0.557

Table H.107: Compensated Elasticities - Level 3: Other Meat 2008

	Liver	Canned & Frozen	Processed & Takeaw.	Ready meals
Liver	-2.688	0.507	2.398	-0.217
Canned & Frozen	0.049	-0.653	0.461	0.142
Processed & Takeaw.	0.025	0.050	-0.188	0.112
Ready meals	-0.009	0.061	0.442	-0.494

Table H.108: Compensated Elasticities - Level 3: Other Meat 2009

	Liver	Canned & Frozen	Processed & Takeaw.	Ready meals
Liver	-3.566	0.788	2.238	0.540
Canned & Frozen	0.078	-0.621	0.452	0.091
Processed & Takeaw.	0.025	0.051	-0.199	0.123
Ready meals	0.023	0.039	0.472	-0.533

Table H.109: Compensated Elasticities - Level 3: Fresh Fruits 2001/02

	Citrus	Apples & Pears	Bananas	Grapes	Other fresh fruits
Citrus	-0.790	0.243	0.205	0.095	0.248
Apples & Pears	0.155	-0.566	0.123	0.078	0.210
Bananas	0.147	0.139	-0.544	0.039	0.220
Grapes	0.121	0.157	0.070	-0.465	0.116
Other fresh fruits	0.143	0.190	0.177	0.052	-0.562

Table H.110: Compensated Elasticities - Level 3: Fresh Fruits 2002/03

	Citrus	Apples & Pears	Bananas	Grapes	Other fresh fruits
Citrus	-0.838	0.217	0.185	0.153	0.283
Apples & Pears	0.148	-0.553	0.112	0.031	0.263
Bananas	0.158	0.141	-0.528	0.041	0.188
Grapes	0.211	0.062	0.066	-0.517	0.177
Other fresh fruits	0.157	0.214	0.123	0.072	-0.566

Table H.111: Compensated Elasticities - Level 3: Fresh Fruits 2003/04

	Citrus	Apples & Pears	Bananas	Grapes	Other fresh fruits
Citrus	-0.744	0.201	0.166	0.095	0.281
Apples & Pears	0.136	-0.527	0.095	0.078	0.218
Bananas	0.161	0.135	-0.501	0.003	0.201
Grapes	0.126	0.151	0.004	-0.458	0.177
Other fresh fruits	0.153	0.175	0.113	0.073	-0.514

Table H.112: Compensated Elasticities - Level 3: Fresh Fruits 2004/05

	Citrus	Apples & Pears	Bananas	Grapes	Other fresh fruits
Citrus	-0.662	0.200	0.096	0.095	0.270
Apples & Pears	0.132	-0.502	0.075	0.057	0.238
Bananas	0.091	0.109	-0.445	0.066	0.179
Grapes	0.120	0.108	0.087	-0.496	0.181
Other fresh fruits	0.124	0.166	0.086	0.066	-0.441

Table H.113: Compensated Elasticities - Level 3: Fresh Fruits 2005/06

	Citrus	Apples & Pears	Bananas	Grapes	Other fresh fruits
Citrus	-0.696	0.131	0.173	0.128	0.265
Apples & Pears	0.089	-0.463	0.078	0.059	0.237
Bananas	0.154	0.101	-0.482	0.056	0.171
Grapes	0.142	0.096	0.069	-0.538	0.230
Other fresh fruits	0.113	0.147	0.082	0.088	-0.429

Table H.114: Compensated Elasticities - Level 3: Fresh Fruits 2006

	Citrus	Apples & Pears	Bananas	Grapes	Other fresh fruits
Citrus	-0.677	0.180	0.131	0.080	0.287
Apples & Pears	0.116	-0.509	0.124	0.070	0.199
Bananas	0.117	0.171	-0.519	0.066	0.165
Grapes	0.091	0.122	0.084	-0.542	0.245
Other fresh fruits	0.112	0.119	0.072	0.084	-0.387

Table H.115: Compensated Elasticities - Level 3: Fresh Fruits 2007

	Citrus	Apples & Pears	Bananas	Grapes	Other fresh fruits
Citrus	-0.675	0.218	0.091	0.026	0.339
Apples & Pears	0.144	-0.546	0.106	0.060	0.236
Bananas	0.086	0.151	-0.445	0.056	0.152
Grapes	0.030	0.103	0.067	-0.477	0.277
Other fresh fruits	0.133	0.140	0.063	0.096	-0.433

Table H.116: Compensated Elasticities - Level 3: Fresh Fruits 2008

	Citrus	Apples & Pears	Bananas	Grapes	Other fresh fruits
Citrus	-0.730	0.219	0.107	0.060	0.345
Apples & Pears	0.149	-0.559	0.105	0.076	0.229
Bananas	0.103	0.149	-0.471	0.042	0.177
Grapes	0.066	0.124	0.048	-0.431	0.194
Other fresh fruits	0.134	0.131	0.071	0.068	-0.404

Table H.117: Compensated Elasticities - Level 3: Fresh Fruits 2009

	Citrus	Apples & Pears	Bananas	Grapes	Other fresh fruits
Citrus	-0.658	0.170	0.076	0.109	0.303
Apples & Pears	0.113	-0.566	0.073	0.057	0.323
Bananas	0.074	0.107	-0.411	0.059	0.172
Grapes	0.120	0.094	0.067	-0.518	0.237
Other fresh fruits	0.116	0.186	0.068	0.082	-0.452

Table H.118: Compensated Elasticities - Level 3: Fresh Vegetables 2001/02

	Brassica	Root crops	Lettuce	Legumes	Other fresh veg.	Onions	Tomatoes
Brassica	-0.628	0.055	0.081	0.065	0.297	0.063	0.067
Root crops	0.066	-0.577	0.052	0.006	0.248	0.083	0.121
Lettuce	0.071	0.038	-0.525	0.010	0.287	0.057	0.063
Legumes	0.167	0.014	0.028	-0.730	0.311	0.087	0.123
Other fresh veg.	0.121	0.084	0.133	0.049	-0.586	0.078	0.120
Onions	0.089	0.097	0.090	0.048	0.269	-0.701	0.107
Tomatoes	0.060	0.090	0.064	0.043	0.265	0.069	-0.592

Table H.119: Compensated Elasticities - Level 3: Fresh Vegetables 2002/03

	Brassica	Root crops	Lettuce	Legumes	Other fresh veg.	Onions	Tomatoes
Brassica	-0.615	0.078	0.090	0.106	0.236	0.062	0.042
Root crops	0.095	-0.536	0.073	0.073	0.162	0.087	0.046
Lettuce	0.078	0.052	-0.565	-0.011	0.271	0.076	0.099
Legumes	0.242	0.139	-0.029	-0.712	0.237	0.087	0.036
Other fresh veg.	0.095	0.054	0.126	0.042	-0.528	0.075	0.137
Onions	0.084	0.097	0.120	0.052	0.255	-0.683	0.075
Tomatoes	0.036	0.032	0.097	0.013	0.288	0.047	-0.513

Table H.120: Compensated Elasticities - Level 3: Fresh Vegetables 2003/04

	Brassica	Root crops	Lettuce	Legumes	Other fresh veg.	Onions	Tomatoes
Brassica	-0.632	0.038	0.088	0.055	0.330	0.055	0.065
Root crops	0.048	-0.582	0.092	0.032	0.244	0.081	0.084
Lettuce	0.071	0.059	-0.566	0.001	0.251	0.067	0.117
Legumes	0.123	0.057	0.002	-0.605	0.232	0.104	0.088
Other fresh veg.	0.128	0.074	0.119	0.040	-0.559	0.067	0.130
Onions	0.078	0.089	0.115	0.066	0.244	-0.689	0.098
Tomatoes	0.052	0.053	0.115	0.032	0.268	0.056	-0.576

Table H.121: Compensated Elasticities - Level 3: Fresh Vegetables 2004/05

	Brassica	Root crops	Lettuce	Legumes	Other fresh veg.	Onions	Tomatoes
Brassica	-0.568	0.046	0.037	0.074	0.286	0.063	0.063
Root crops	0.052	-0.614	0.087	0.099	0.227	0.074	0.075
Lettuce	0.031	0.066	-0.560	-0.001	0.273	0.071	0.121
Legumes	0.176	0.207	-0.003	-0.618	0.051	0.148	0.039
Other fresh veg.	0.106	0.074	0.118	0.008	-0.508	0.069	0.133
Onions	0.090	0.092	0.118	0.089	0.263	-0.714	0.063
Tomatoes	0.052	0.054	0.117	0.013	0.295	0.036	-0.568

Table H.122: Compensated Elasticities - Level 3: Fresh Vegetables 2005/06

	Brassica	Root crops	Lettuce	Legumes	Other fresh veg.	Onions	Tomatoes
Brassica	-0.636	0.047	0.069	0.050	0.325	0.077	0.068
Root crops	0.052	-0.578	0.093	0.042	0.241	0.086	0.065
Lettuce	0.064	0.077	-0.543	-0.005	0.243	0.069	0.094
Legumes	0.115	0.087	-0.011	-0.590	0.201	0.108	0.089
Other fresh veg.	0.122	0.082	0.099	0.033	-0.525	0.072	0.116
Onions	0.113	0.113	0.110	0.069	0.279	-0.731	0.046
Tomatoes	0.060	0.052	0.090	0.034	0.273	0.028	-0.537

Table H.123: Compensated Elasticities - Level 3: Fresh Vegetables 2006

	Brassica	Root crops	Lettuce	Legumes	Other fresh veg.	Onions	Tomatoes
Brassica	-0.591	0.050	0.044	0.079	0.302	0.068	0.048
Root crops	0.051	-0.606	0.071	0.045	0.234	0.080	0.127
Lettuce	0.038	0.059	-0.574	-0.011	0.300	0.064	0.124
Legumes	0.182	0.100	-0.030	-0.625	0.275	0.068	0.030
Other fresh veg.	0.107	0.081	0.124	0.042	-0.534	0.070	0.108
Onions	0.094	0.108	0.104	0.041	0.275	-0.693	0.072
Tomatoes	0.038	0.099	0.115	0.010	0.243	0.041	-0.547

Table H.124: Compensated Elasticities - Level 3: Fresh Vegetables 2007

	Brassica	Root crops	Lettuce	Legumes	Other fresh veg.	Onions	Tomatoes
Brassica	-0.649	0.057	0.099	0.060	0.337	0.077	0.018
Root crops	0.061	-0.630	0.046	0.057	0.281	0.098	0.088
Lettuce	0.089	0.039	-0.592	0.012	0.259	0.069	0.124
Legumes	0.134	0.121	0.030	-0.619	0.174	0.086	0.074
Other fresh veg.	0.121	0.094	0.103	0.028	-0.534	0.067	0.122
Onions	0.106	0.126	0.106	0.053	0.257	-0.719	0.072
Tomatoes	0.015	0.069	0.115	0.028	0.286	0.044	-0.557

Table H.125: Compensated Elasticities - Level 3: Fresh Vegetables 2008

	Brassica	Root crops	Lettuce	Legumes	Other fresh veg.	Onions	Tomatoes
Brassica	-0.625	0.053	0.087	0.055	0.277	0.089	0.064
Root crops	0.052	-0.607	0.098	0.035	0.234	0.102	0.087
Lettuce	0.082	0.095	-0.587	-0.015	0.250	0.072	0.104
Legumes	0.135	0.089	-0.038	-0.644	0.312	0.075	0.070
Other fresh veg.	0.096	0.084	0.092	0.044	-0.503	0.076	0.111
Onions	0.110	0.129	0.094	0.038	0.271	-0.730	0.089
Tomatoes	0.052	0.073	0.091	0.024	0.262	0.059	-0.562

Table H.126: Compensated Elasticities - Level 3: Fresh Vegetables 2009

	Brassica	Root crops	Lettuce	Legumes	Other fresh veg.	Onions	Tomatoes
Brassica	-0.705	0.070	0.121	0.055	0.271	0.116	0.073
Root crops	0.066	-0.652	0.116	0.095	0.250	0.050	0.076
Lettuce	0.113	0.113	-0.670	0.012	0.299	0.060	0.072
Legumes	0.137	0.247	0.031	-0.732	0.191	0.050	0.077
Other fresh veg.	0.092	0.089	0.109	0.026	-0.523	0.082	0.125
Onions	0.145	0.065	0.080	0.025	0.303	-0.738	0.120
Tomatoes	0.057	0.062	0.060	0.024	0.289	0.075	-0.567

H.4 Subsamples

Table H.127: Compensated Elasticities - Subsamples: England 2001/02

	Dairy & Egg	Meat	Fish	Fruit & Nuts	Veg.	Fats & Starches	Alcohol
Dairy & Eggs	-0.324	0.157	0.040	-0.003	-0.008	0.014	0.124
Meat	0.077	-0.634	0.030	0.085	0.048	0.262	0.131
Fish	0.095	0.142	-0.338	0.140	0.017	0.032	-0.088
Fruits & Nuts	-0.005	0.250	0.085	-0.735	0.036	0.433	-0.065
Vegetables	-0.011	0.127	0.009	0.032	-0.470	0.252	0.060
Fats & Starches	0.004	0.147	0.004	0.083	0.054	-0.401	0.109
Alcohol	0.115	0.246	-0.034	-0.042	0.043	0.366	-0.693

Table H.128: Compensated Elasticities - Subsamples: England 2002/03

	Dairy & Egg	Meat	Fish	Fruit & Nuts	Veg.	Fats & Starches	Alcohol
Dairy & Eggs	-0.229	0.153	0.009	0.025	-0.036	-0.001	0.080
Meat	0.074	-0.555	0.036	0.110	0.072	0.170	0.093
Fish	0.021	0.179	-0.420	0.081	0.044	0.088	0.008
Fruits & Nuts	0.034	0.310	0.047	-0.750	0.057	0.442	-0.140
Vegetables	-0.046	0.191	0.024	0.054	-0.496	0.309	-0.035
Fats & Starches	0.000	0.098	0.010	0.090	0.067	-0.422	0.158
Alcohol	0.072	0.172	0.003	-0.092	-0.025	0.511	-0.641

Table H.129: Compensated Elasticities - Subsamples: England 2003/04

	Dairy & Egg	Meat	Fish	Fruit & Nuts	Veg.	Fats & Starches	Alcohol
Dairy & Eggs	-0.173	0.164	0.005	0.007	-0.044	-0.037	0.078
Meat	0.079	-0.597	0.021	0.102	0.051	0.261	0.083
Fish	0.013	0.108	-0.344	0.063	0.018	0.172	-0.030
Fruits & Nuts	0.010	0.296	0.036	-0.641	0.101	0.221	-0.024
Vegetables	-0.056	0.136	0.009	0.092	-0.518	0.339	-0.002
Fats & Starches	-0.011	0.155	0.020	0.045	0.076	-0.423	0.138
Alcohol	0.069	0.154	-0.011	-0.015	-0.001	0.428	-0.623

Table H.130: Compensated Elasticities - Subsamples: England 2004/05

	Dairy & Egg	Meat	Fish	Fruit & Nuts	Veg.	Fats & Starches	Alcohol
Dairy & Eggs	-0.299	0.175	0.023	-0.011	-0.031	0.020	0.123
Meat	0.086	-0.569	0.012	0.122	0.037	0.227	0.085
Fish	0.054	0.060	-0.298	0.136	0.056	0.014	-0.022
Fruits & Nuts	-0.016	0.348	0.081	-0.746	0.101	0.333	-0.101
Vegetables	-0.040	0.097	0.030	0.093	-0.490	0.259	0.051
Fats & Starches	0.006	0.133	0.002	0.068	0.057	-0.407	0.141
Alcohol	0.109	0.155	-0.008	-0.064	0.035	0.438	-0.665

Table H.131: Compensated Elasticities - Subsamples: England 2005/06

	Dairy & Egg	Meat	Fish	Fruit & Nuts	Veg.	Fats & Starches	Alcohol
Dairy & Eggs	-0.233	0.148	0.005	-0.012	0.052	-0.044	0.085
Meat	0.077	-0.602	0.014	0.098	0.063	0.301	0.049
Fish	0.011	0.065	-0.316	0.129	0.058	0.114	-0.061
Fruits & Nuts	-0.016	0.247	0.072	-0.702	0.085	0.374	-0.060
Vegetables	0.066	0.155	0.031	0.082	-0.533	0.223	-0.023
Fats & Starches	-0.013	0.176	0.015	0.086	0.053	-0.478	0.161
Alcohol	0.080	0.090	-0.025	-0.044	-0.018	0.505	-0.589

Table H.132: Compensated Elasticities - Subsamples: England 2006

	Dairy & Egg	Meat	Fish	Fruit & Nuts	Veg.	Fats & Starches	Alcohol
Dairy & Eggs	-0.204	0.169	0.002	-0.036	0.000	-0.004	0.074
Meat	0.087	-0.639	0.030	0.144	0.071	0.185	0.122
Fish	0.004	0.129	-0.394	0.140	0.057	0.188	-0.123
Fruits & Nuts	-0.045	0.347	0.077	-0.706	0.058	0.345	-0.077
Vegetables	0.000	0.171	0.031	0.058	-0.530	0.284	-0.014
Fats & Starches	-0.001	0.107	0.025	0.083	0.068	-0.421	0.139
Alcohol	0.070	0.224	-0.052	-0.058	-0.011	0.442	-0.614

Table H.133: Compensated Elasticities - Subsamples: England 2007

	Dairy & Egg	Meat	Fish	Fruit & Nuts	Veg.	Fats & Starches	Alcohol
Dairy & Eggs	-0.293	0.201	0.042	0.037	-0.046	-0.010	0.070
Meat	0.105	-0.512	0.015	0.131	0.054	0.176	0.031
Fish	0.093	0.063	-0.304	-0.020	0.069	0.147	-0.050
Fruits & Nuts	0.047	0.323	-0.011	-0.670	0.039	0.276	-0.004
Vegetables	-0.056	0.126	0.038	0.037	-0.431	0.255	0.032
Fats & Starches	-0.003	0.102	0.020	0.064	0.062	-0.436	0.191
Alcohol	0.065	0.054	-0.020	-0.003	0.024	0.585	-0.706

Table H.134: Compensated Elasticities - Subsamples: England 2008

	Dairy & Egg	Meat	Fish	Fruit & Nuts	Veg.	Fats & Starches	Alcohol
Dairy & Eggs	-0.286	0.288	-0.009	-0.078	-0.075	0.027	0.133
Meat	0.159	-0.601	-0.009	0.129	0.085	0.111	0.125
Fish	-0.023	-0.038	-0.280	0.022	0.050	0.230	0.038
Fruits & Nuts	-0.109	0.326	0.013	-0.653	0.092	0.378	-0.046
Vegetables	-0.100	0.204	0.027	0.087	-0.513	0.309	-0.015
Fats & Starches	0.008	0.062	0.029	0.084	0.072	-0.395	0.139
Alcohol	0.145	0.247	0.017	-0.036	-0.012	0.487	-0.847

Table H.135: Compensated Elasticities - Subsamples: England 2009

	Dairy & Egg	Meat	Fish	Fruit & Nuts	Veg.	Fats & Starches	Alcohol
Dairy & Eggs	-0.396	0.216	-0.026	0.020	0.002	-0.019	0.203
Meat	0.122	-0.590	0.035	0.135	0.060	0.187	0.050
Fish	-0.066	0.157	-0.425	0.107	-0.014	0.248	-0.007
Fruits & Nuts	0.030	0.356	0.063	-0.569	0.079	0.205	-0.163
Vegetables	0.002	0.144	-0.008	0.072	-0.533	0.388	-0.066
Fats & Starches	-0.006	0.106	0.031	0.044	0.091	-0.467	0.201
Alcohol	0.213	0.093	-0.003	-0.114	-0.051	0.659	-0.797

Table H.136: Compensated Elasticities - Subsamples: England & Wales 2001/02

	Dairy & Egg	Meat	Fish	Fruit & Nuts	Veg.	Fats & Starches	Alcohol
Dairy & Eggs	-0.334	0.160	0.027	-0.007	-0.008	0.032	0.131
Meat	0.078	-0.632	0.029	0.084	0.044	0.267	0.131
Fish	0.064	0.143	-0.329	0.141	0.033	0.039	-0.092
Fruits & Nuts	-0.011	0.249	0.086	-0.747	0.034	0.442	-0.055
Vegetables	-0.011	0.116	0.018	0.031	-0.459	0.260	0.045
Fats & Starches	0.009	0.151	0.005	0.084	0.055	-0.403	0.100
Alcohol	0.119	0.245	-0.036	-0.035	0.032	0.332	-0.658

Table H.137: Compensated Elasticities - Subsamples: England & Wales 2002/03

	Dairy & Egg	Meat	Fish	Fruit & Nuts	Veg.	Fats & Starches	Alcohol
Dairy & Eggs	-0.228	0.146	0.009	0.027	-0.031	-0.011	0.088
Meat	0.071	-0.564	0.040	0.109	0.074	0.187	0.083
Fish	0.022	0.195	-0.417	0.098	0.027	0.074	0.002
Fruits & Nuts	0.038	0.312	0.056	-0.759	0.047	0.445	-0.140
Vegetables	-0.041	0.198	0.015	0.044	-0.491	0.309	-0.034
Fats & Starches	-0.003	0.108	0.009	0.090	0.066	-0.427	0.158
Alcohol	0.080	0.155	0.001	-0.092	-0.024	0.511	-0.631

Table H.138: Compensated Elasticities - Subsamples: England & Wales 2003/04

	Dairy & Egg	Meat	Fish	Fruit & Nuts	Veg.	Fats & Starches	Alcohol
Dairy & Eggs	-0.183	0.172	0.000	0.006	-0.049	-0.024	0.077
Meat	0.082	-0.591	0.024	0.101	0.046	0.266	0.073
Fish	-0.001	0.124	-0.353	0.080	0.012	0.151	-0.013
Fruits & Nuts	0.009	0.297	0.045	-0.650	0.102	0.206	-0.010
Vegetables	-0.063	0.124	0.006	0.093	-0.509	0.342	0.006
Fats & Starches	-0.007	0.158	0.017	0.042	0.076	-0.416	0.130
Alcohol	0.069	0.135	-0.005	-0.006	0.004	0.408	-0.606

Table H.139: Compensated Elasticities - Subsamples: England & Wales 2004/05

	Dairy & Egg	Meat	Fish	Fruit & Nuts	Veg.	Fats & Starches	Alcohol
Dairy & Eggs	-0.319	0.185	0.018	-0.001	-0.029	0.037	0.108
Meat	0.090	-0.565	0.014	0.114	0.037	0.215	0.095
Fish	0.044	0.066	-0.290	0.119	0.060	0.024	-0.023
Fruits & Nuts	-0.001	0.330	0.070	-0.762	0.093	0.384	-0.115
Vegetables	-0.037	0.098	0.033	0.086	-0.492	0.248	0.064
Fats & Starches	0.010	0.126	0.003	0.078	0.055	-0.405	0.133
Alcohol	0.096	0.174	-0.009	-0.073	0.044	0.416	-0.648

Table H.140: Compensated Elasticities - Subsamples: England & Wales 2005/06

	Dairy & Egg	Meat	Fish	Fruit & Nuts	Veg.	Fats & Starches	Alcohol
Dairy & Eggs	-0.246	0.148	0.010	-0.009	0.048	-0.033	0.084
Meat	0.076	-0.600	0.015	0.098	0.068	0.291	0.053
Fish	0.022	0.069	-0.330	0.135	0.056	0.116	-0.069
Fruits & Nuts	-0.012	0.251	0.075	-0.710	0.066	0.381	-0.052
Vegetables	0.061	0.168	0.031	0.064	-0.525	0.222	-0.021
Fats & Starches	-0.010	0.170	0.015	0.087	0.052	-0.470	0.156
Alcohol	0.078	0.097	-0.028	-0.037	-0.015	0.485	-0.580

Table H.141: Compensated Elasticities - Subsamples: England & Wales 2006

	Dairy & Egg	Meat	Fish	Fruit & Nuts	Veg.	Fats & Starches	Alcohol
Dairy & Eggs	-0.216	0.149	0.010	-0.041	0.013	0.005	0.081
Meat	0.077	-0.628	0.027	0.142	0.073	0.197	0.112
Fish	0.022	0.118	-0.395	0.141	0.061	0.160	-0.107
Fruits & Nuts	-0.052	0.346	0.078	-0.702	0.047	0.344	-0.061
Vegetables	0.016	0.177	0.034	0.047	-0.533	0.277	-0.018
Fats & Starches	0.001	0.114	0.021	0.082	0.066	-0.422	0.137
Alcohol	0.076	0.205	-0.044	-0.046	-0.013	0.434	-0.611

Table H.142: Compensated Elasticities - Subsamples: England & Wales 2007

	Dairy & Egg	Meat	Fish	Fruit & Nuts	Veg.	Fats & Starches	Alcohol
Dairy & Eggs	-0.299	0.204	0.042	0.022	-0.055	0.012	0.073
Meat	0.107	-0.520	0.013	0.130	0.061	0.173	0.035
Fish	0.096	0.056	-0.301	-0.022	0.084	0.157	-0.069
Fruits & Nuts	0.029	0.323	-0.013	-0.672	0.035	0.285	0.012
Vegetables	-0.068	0.145	0.046	0.033	-0.447	0.267	0.022
Fats & Starches	0.004	0.100	0.021	0.066	0.065	-0.445	0.189
Alcohol	0.068	0.063	-0.028	0.009	0.017	0.583	-0.711

Table H.143: Compensated Elasticities - Subsamples: England & Wales 2008

	Dairy & Egg	Meat	Fish	Fruit & Nuts	Veg.	Fats & Starches	Alcohol
Dairy & Eggs	-0.305	0.286	-0.007	-0.075	-0.076	0.040	0.136
Meat	0.157	-0.589	-0.014	0.133	0.084	0.103	0.125
Fish	-0.018	-0.061	-0.293	0.058	0.062	0.227	0.024
Fruits & Nuts	-0.104	0.338	0.033	-0.659	0.079	0.374	-0.061
Vegetables	-0.101	0.203	0.034	0.076	-0.510	0.313	-0.015
Fats & Starches	0.013	0.058	0.029	0.084	0.073	-0.393	0.136
Alcohol	0.147	0.247	0.011	-0.047	-0.012	0.476	-0.821

Table H.144: Compensated Elasticities - Subsamples: England & Wales 2009

	Dairy & Egg	Meat	Fish	Fruit & Nuts	Veg.	Fats & Starches	Alcohol
Dairy & Eggs	-0.414	0.205	-0.013	0.027	0.001	0.000	0.193
Meat	0.116	-0.590	0.036	0.139	0.066	0.188	0.044
Fish	-0.034	0.165	-0.424	0.100	-0.013	0.238	-0.032
Fruits & Nuts	0.041	0.370	0.059	-0.570	0.080	0.192	-0.173
Vegetables	0.002	0.160	-0.007	0.073	-0.515	0.359	-0.073
Fats & Starches	0.000	0.107	0.030	0.041	0.084	-0.481	0.221
Alcohol	0.202	0.082	-0.013	-0.120	-0.055	0.722	-0.817

Table H.145: Compensated Elasticities - Subsamples: Scotland 2001/02

	Dairy & Egg	Meat	Fish	Fruit & Nuts	Veg.	Fats & Starches	Alcohol
Dairy & Eggs	-0.504	0.019	-0.042	0.029	-0.053	0.030	0.520
Meat	0.008	-0.660	0.006	0.034	0.066	0.269	0.276
Fish	-0.106	0.032	-0.555	-0.104	-0.141	0.201	0.673
Fruits & Nuts	0.046	0.122	-0.064	-0.720	-0.069	0.379	0.306
Vegetables	-0.082	0.236	-0.087	-0.069	-0.702	0.168	0.537
Fats & Starches	0.007	0.153	0.020	0.061	0.027	-0.480	0.211
Alcohol	0.392	0.475	0.202	0.149	0.260	0.638	-2.115

Table H.146: Compensated Elasticities - Subsamples: Scotland 2002/03

	Dairy & Egg	Meat	Fish	Fruit & Nuts	Veg.	Fats & Starches	Alcohol
Dairy & Eggs	-0.705	0.062	0.100	0.067	-0.109	0.198	0.386
Meat	0.028	-0.468	0.006	0.085	-0.018	0.147	0.221
Fish	0.262	0.034	-0.559	-0.262	-0.160	0.010	0.675
Fruits & Nuts	0.107	0.296	-0.160	-0.883	-0.035	0.115	0.559
Vegetables	-0.163	-0.060	-0.092	-0.033	-0.558	0.378	0.527
Fats & Starches	0.051	0.083	0.001	0.019	0.065	-0.477	0.260
Alcohol	0.338	0.425	0.227	0.309	0.309	0.890	-2.498

Table H.147: Compensated Elasticities - Subsamples: Scotland 2003/04

	Dairy & Egg	Meat	Fish	Fruit & Nuts	Veg.	Fats & Starches	Alcohol
Dairy & Eggs	-0.676	0.189	-0.111	-0.205	-0.027	0.071	0.758
Meat	0.080	-0.532	0.033	0.110	0.074	-0.024	0.258
Fish	-0.284	0.202	-0.370	-0.326	-0.130	0.109	0.800
Fruits & Nuts	-0.319	0.404	-0.199	-0.904	-0.060	0.308	0.770
Vegetables	-0.042	0.277	-0.080	-0.061	-0.912	0.123	0.695
Fats & Starches	0.017	-0.014	0.010	0.048	0.019	-0.487	0.406
Alcohol	0.611	0.492	0.252	0.398	0.357	1.335	-3.445

Table H.148: Compensated Elasticities - Subsamples: Scotland 2004/05

	Dairy & Egg	Meat	Fish	Fruit & Nuts	Veg.	Fats & Starches	Alcohol
Dairy & Eggs	-0.790	0.206	-0.147	0.035	-0.096	-0.018	0.810
Meat	0.095	-0.475	-0.017	-0.085	-0.042	0.390	0.134
Fish	-0.376	-0.095	-0.465	-0.157	-0.240	0.397	0.937
Fruits & Nuts	0.052	-0.272	-0.090	-0.595	-0.089	0.289	0.706
Vegetables	-0.146	-0.140	-0.143	-0.092	-0.547	0.464	0.604
Fats & Starches	-0.005	0.220	0.040	0.051	0.079	-0.651	0.266
Alcohol	0.656	0.236	0.296	0.387	0.320	0.829	-2.724

Table H.149: Compensated Elasticities - Subsamples: Scotland 2005/06

	Dairy & Egg	Meat	Fish	Fruit & Nuts	Veg.	Fats & Starches	Alcohol
Dairy & Eggs	-0.704	0.130	-0.135	0.107	-0.104	0.058	0.649
Meat	0.059	-0.664	-0.031	0.034	0.027	0.306	0.270
Fish	-0.331	-0.164	-0.568	0.104	-0.261	0.397	0.823
Fruits & Nuts	0.144	0.098	0.057	-0.702	0.026	0.085	0.292
Vegetables	-0.148	0.083	-0.152	0.028	-0.615	0.398	0.406
Fats & Starches	0.015	0.175	0.042	0.017	0.073	-0.571	0.248
Alcohol	0.502	0.458	0.260	0.169	0.221	0.736	-2.346

Table H.150: Compensated Elasticities - Subsamples: Scotland 2006

	Dairy & Egg	Meat	Fish	Fruit & Nuts	Veg.	Fats & Starches	Alcohol
Dairy & Eggs	-0.780	0.275	-0.160	0.095	-0.171	-0.015	0.756
Meat	0.123	-0.707	0.020	0.042	0.065	0.207	0.251
Fish	-0.351	0.097	-0.433	0.127	-0.214	0.058	0.716
Fruits & Nuts	0.124	0.122	0.076	-0.811	0.002	-0.027	0.514
Vegetables	-0.250	0.212	-0.143	0.003	-0.616	0.292	0.502
Fats & Starches	-0.004	0.117	0.007	-0.005	0.051	-0.349	0.184
Alcohol	0.584	0.434	0.253	0.305	0.265	0.562	-2.402

Table H.151: Compensated Elasticities - Subsamples: Scotland 2007

	Dairy & Egg	Meat	Fish	Fruit & Nuts	Veg.	Fats & Starches	Alcohol
Dairy & Eggs	-0.640	-0.010	0.021	-0.077	-0.049	0.149	0.605
Meat	-0.005	-0.533	-0.035	0.143	-0.007	0.072	0.365
Fish	0.048	-0.167	-0.527	0.073	-0.150	-0.080	0.803
Fruits & Nuts	-0.099	0.391	0.042	-0.688	0.036	0.055	0.262
Vegetables	-0.073	-0.024	-0.100	0.042	-0.519	0.247	0.426
Fats & Starches	0.039	0.040	-0.009	0.011	0.044	-0.480	0.355
Alcohol	0.584	0.750	0.346	0.196	0.276	1.302	-3.455

Table H.152: Compensated Elasticities - Subsamples: Scotland 2008

	Dairy & Egg	Meat	Fish	Fruit & Nuts	Veg.	Fats & Starches	Alcohol
Dairy & Eggs	-0.635	-0.208	-0.043	-0.047	-0.016	0.280	0.669
Meat	-0.107	-0.561	0.007	0.071	-0.020	0.178	0.431
Fish	-0.106	0.036	-0.607	0.183	-0.119	-0.188	0.801
Fruits & Nuts	-0.065	0.191	0.101	-0.971	0.103	0.171	0.469
Vegetables	-0.025	-0.061	-0.075	0.116	-0.726	0.358	0.412
Fats & Starches	0.078	0.097	-0.021	0.035	0.064	-0.456	0.202
Alcohol	0.674	0.847	0.324	0.342	0.265	0.729	-3.181

Table H.153: Compensated Elasticities - Subsamples: Scotland 2009

	Dairy & Egg	Meat	Fish	Fruit & Nuts	Veg.	Fats & Starches	Alcohol
Dairy & Eggs	-0.442	-0.051	-0.009	-0.018	-0.052	0.063	0.509
Meat	-0.026	-0.457	0.046	0.136	0.051	0.138	0.113
Fish	-0.024	0.238	-0.733	0.032	-0.077	-0.254	0.819
Fruits & Nuts	-0.027	0.400	0.018	-1.035	-0.172	0.107	0.708
Vegetables	-0.080	0.155	-0.046	-0.178	-0.678	0.213	0.613
Fats & Starches	0.018	0.076	-0.027	0.020	0.039	-0.423	0.297
Alcohol	0.492	0.216	0.302	0.460	0.384	1.029	-2.883

Table H.154: Compensated Elasticities - Subsamples: Northern Ireland 2001/02

	Dairy & Egg	Meat	Fish	Fruit & Nuts	Veg.	Fats & Starches	Alcohol
Dairy & Eggs	-0.512	0.070	-0.117	-0.265	-0.107	0.314	0.617
Meat	0.028	-0.735	-0.015	0.128	0.083	0.227	0.283
Fish	-0.341	-0.105	-0.580	-0.325	-0.050	0.113	1.288
Fruits & Nuts	-0.488	0.579	-0.204	-1.028	-0.167	0.255	1.053
Vegetables	-0.178	0.339	-0.029	-0.151	-0.738	0.172	0.585
Fats & Starches	0.073	0.130	0.009	0.032	0.024	-0.517	0.249
Alcohol	0.719	0.810	0.513	0.666	0.409	1.248	-4.365

Table H.155: Compensated Elasticities - Subsamples: Northern Ireland 2002/03

	Dairy & Egg	Meat	Fish	Fruit & Nuts	Veg.	Fats & Starches	Alcohol
Dairy & Eggs	-0.406	0.185	-0.040	-0.153	-0.047	0.107	0.354
Meat	0.073	-0.790	0.022	0.111	0.048	0.253	0.282
Fish	-0.131	0.182	-0.711	-0.205	-0.005	-0.374	1.244
Fruits & Nuts	-0.269	0.494	-0.111	-1.049	0.019	0.034	0.882
Vegetables	-0.079	0.207	-0.003	0.019	-0.766	0.054	0.569
Fats & Starches	0.026	0.158	-0.029	0.005	0.008	-0.486	0.318
Alcohol	0.366	0.737	0.397	0.518	0.346	1.327	-3.691

Table H.156: Compensated Elasticities - Subsamples: Northern Ireland 2003/04

	Dairy & Egg	Meat	Fish	Fruit & Nuts	Veg.	Fats & Starches	Alcohol
Dairy & Eggs	-0.632	0.197	-0.006	-0.084	-0.112	-0.014	0.651
Meat	0.081	-0.674	-0.019	0.039	0.106	0.187	0.281
Fish	-0.018	-0.146	-0.425	-0.074	-0.102	0.241	0.524
Fruits & Nuts	-0.137	0.154	-0.040	-1.007	-0.229	0.565	0.694
Vegetables	-0.172	0.397	-0.051	-0.216	-0.675	0.349	0.367
Fats & Starches	-0.003	0.110	0.019	0.083	0.055	-0.546	0.282
Alcohol	0.725	0.765	0.190	0.473	0.266	1.307	-3.727

Table H.157: Compensated Elasticities - Subsamples: Northern Ireland 2004/05

	Dairy & Egg	Meat	Fish	Fruit & Nuts	Veg.	Fats & Starches	Alcohol
Dairy & Eggs	-0.443	0.169	-0.042	-0.146	0.066	0.013	0.385
Meat	0.064	-0.538	-0.007	0.046	-0.032	0.171	0.295
Fish	-0.120	-0.054	-0.658	-0.071	-0.218	-0.163	1.284
Fruits & Nuts	-0.241	0.198	-0.041	-1.030	-0.162	0.248	1.029
Vegetables	0.101	-0.128	-0.118	-0.152	-0.902	0.297	0.901
Fats & Starches	0.003	0.107	-0.014	0.036	0.046	-0.556	0.378
Alcohol	0.449	0.903	0.526	0.727	0.681	1.847	-5.133

Table H.158: Compensated Elasticities - Subsamples: Northern Ireland 2005/06

	Dairy & Egg	Meat	Fish	Fruit & Nuts	Veg.	Fats & Starches	Alcohol
Dairy & Eggs	-0.761	0.262	-0.029	-0.012	0.010	-0.074	0.604
Meat	0.105	-0.572	-0.036	-0.007	0.054	0.269	0.187
Fish	-0.084	-0.263	-0.573	-0.053	-0.075	0.161	0.888
Fruits & Nuts	-0.017	-0.023	-0.026	-0.637	-0.074	0.521	0.256
Vegetables	0.015	0.204	-0.039	-0.078	-0.670	0.146	0.423
Fats & Starches	-0.018	0.162	0.013	0.089	0.023	-0.532	0.262
Alcohol	0.666	0.514	0.335	0.199	0.310	1.194	-3.217

Table H.159: Compensated Elasticities - Subsamples: Northern Ireland 2006

	Dairy & Egg	Meat	Fish	Fruit & Nuts	Veg.	Fats & Starches	Alcohol
Dairy & Eggs	-0.549	0.111	-0.151	-0.015	-0.124	0.113	0.616
Meat	0.043	-0.434	0.021	0.051	0.016	0.230	0.072
Fish	-0.431	0.155	-0.768	0.019	-0.041	0.107	0.959
Fruits & Nuts	-0.021	0.187	0.009	-0.752	-0.050	0.096	0.531
Vegetables	-0.188	0.060	-0.021	-0.054	-0.821	0.242	0.781
Fats & Starches	0.027	0.142	0.009	0.016	0.039	-0.504	0.271
Alcohol	0.692	0.209	0.378	0.420	0.581	1.267	-3.547

Table H.160: Compensated Elasticities - Subsamples: Northern Ireland 2007

	Dairy & Egg	Meat	Fish	Fruit & Nuts	Veg.	Fats & Starches	Alcohol
Dairy & Eggs	-0.496	0.259	-0.079	-0.120	-0.179	0.288	0.328
Meat	0.092	-0.554	-0.021	0.061	0.037	0.173	0.212
Fish	-0.217	-0.161	-0.652	-0.054	-0.111	-0.021	1.216
Fruits & Nuts	-0.149	0.215	-0.025	-0.797	-0.108	0.392	0.472
Vegetables	-0.257	0.149	-0.058	-0.124	-0.777	0.408	0.659
Fats & Starches	0.064	0.110	-0.002	0.071	0.064	-0.539	0.233
Alcohol	0.335	0.612	0.454	0.388	0.470	1.063	-3.323

Table H.161: Compensated Elasticities - Subsamples: Northern Ireland 2008

	Dairy & Egg	Meat	Fish	Fruit & Nuts	Veg.	Fats & Starches	Alcohol
Dairy & Eggs	-0.537	0.154	-0.094	-0.139	-0.026	0.222	0.420
Meat	0.066	-0.468	0.011	0.154	0.055	0.016	0.165
Fish	-0.264	0.075	-0.588	0.067	-0.207	0.369	0.549
Fruits & Nuts	-0.211	0.543	0.036	-0.895	-0.119	0.430	0.216
Vegetables	-0.042	0.205	-0.117	-0.125	-0.749	0.342	0.485
Fats & Starches	0.059	0.010	0.035	0.076	0.057	-0.469	0.232
Alcohol	0.501	0.457	0.231	0.170	0.363	1.033	-2.754

Table H.162: Compensated Elasticities - Subsamples: Northern Ireland 2009

	Dairy & Egg	Meat	Fish	Fruit & Nuts	Veg.	Fats & Starches	Alcohol
Dairy & Eggs	-0.736	0.170	-0.093	-0.099	-0.171	0.170	0.759
Meat	0.069	-0.699	-0.027	0.114	0.079	0.101	0.363
Fish	-0.281	-0.201	-0.563	-0.069	0.047	0.210	0.858
Fruits & Nuts	-0.156	0.443	-0.036	-0.976	-0.045	0.192	0.577
Vegetables	-0.261	0.296	0.024	-0.043	-0.885	0.279	0.591
Fats & Starches	0.041	0.061	0.017	0.030	0.045	-0.417	0.224
Alcohol	0.816	0.965	0.304	0.395	0.417	0.987	-3.884

Table H.163: Compensated Elasticities - Subsamples: Households in lowest income quintile 2001/02

	Dairy & Egg	Meat	Fish	Fruit & Nuts	Veg.	Fats & Starches	Alcohol
Dairy & Eggs	-0.406	0.253	0.045	-0.061	-0.086	-0.092	0.347
Meat	0.114	-0.604	-0.023	0.098	0.041	0.226	0.148
Fish	0.108	-0.120	-0.391	0.071	-0.009	0.327	0.013
Fruits & Nuts	-0.099	0.354	0.048	-0.732	0.014	0.264	0.151
Vegetables	-0.121	0.126	-0.005	0.012	-0.522	0.211	0.299
Fats & Starches	-0.024	0.128	0.035	0.041	0.039	-0.429	0.209
Alcohol	0.284	0.267	0.004	0.075	0.174	0.666	-1.470

Table H.164: Compensated Elasticities - Subsamples: Households in lowest income quintile 2002/03

	Dairy & Egg	Meat	Fish	Fruit & Nuts	Veg.	Fats & Starches	Alcohol
Dairy & Eggs	-0.332	0.112	-0.090	0.016	-0.016	0.216	0.093
Meat	0.051	-0.547	0.051	0.040	0.044	0.223	0.137
Fish	-0.240	0.300	-0.449	0.077	0.058	-0.168	0.423
Fruits & Nuts	0.027	0.146	0.048	-0.790	-0.039	0.381	0.225
Vegetables	-0.024	0.147	0.033	-0.035	-0.483	0.127	0.235
Fats & Starches	0.056	0.128	-0.017	0.059	0.022	-0.380	0.131
Alcohol	0.078	0.254	0.134	0.113	0.131	0.424	-1.136

Table H.165: Compensated Elasticities - Subsamples: Households in lowest income quintile 2003/04

	Dairy & Egg	Meat	Fish	Fruit & Nuts	Veg.	Fats & Starches	Alcohol
Dairy & Eggs	-0.226	-0.038	-0.032	-0.017	0.089	0.076	0.149
Meat	-0.017	-0.595	0.000	0.052	-0.003	0.369	0.194
Fish	-0.080	-0.001	-0.452	0.022	0.035	0.268	0.209
Fruits & Nuts	-0.027	0.184	0.014	-0.577	0.019	0.313	0.074
Vegetables	0.130	-0.008	0.021	0.018	-0.543	0.140	0.242
Fats & Starches	0.021	0.219	0.030	0.053	0.026	-0.484	0.136
Alcohol	0.120	0.341	0.069	0.037	0.134	0.403	-1.104

Table H.166: Compensated Elasticities - Subsamples: Households in lowest income quintile 2004/05

	Dairy & Egg	Meat	Fish	Fruit & Nuts	Veg.	Fats & Starches	Alcohol
Dairy & Eggs	-0.335	0.216	-0.037	-0.104	-0.043	0.145	0.157
Meat	0.099	-0.615	0.022	0.062	-0.025	0.362	0.094
Fish	-0.087	0.111	-0.343	0.010	0.009	-0.002	0.301
Fruits & Nuts	-0.164	0.213	0.007	-1.004	-0.012	0.725	0.236
Vegetables	-0.062	-0.078	0.005	-0.011	-0.459	0.355	0.248
Fats & Starches	0.040	0.216	0.000	0.126	0.068	-0.536	0.086
Alcohol	0.127	0.165	0.103	0.120	0.139	0.252	-0.906

Table H.167: Compensated Elasticities - Subsamples: Households in lowest income quintile 2005/06

	Dairy & Egg	Meat	Fish	Fruit & Nuts	Veg.	Fats & Starches	Alcohol
Dairy & Eggs	-0.287	0.064	0.004	-0.021	0.072	-0.063	0.231
Meat	0.032	-0.708	-0.011	0.102	0.034	0.359	0.194
Fish	0.011	-0.059	-0.409	0.125	-0.041	0.190	0.182
Fruits & Nuts	-0.033	0.319	0.076	-0.698	0.074	0.186	0.075
Vegetables	0.105	0.101	-0.023	0.069	-0.536	0.185	0.099
Fats & Starches	-0.019	0.215	0.022	0.035	0.037	-0.505	0.214
Alcohol	0.224	0.383	0.069	0.047	0.066	0.708	-1.498

Table H.168: Compensated Elasticities - Subsamples: Households in lowest income quintile 2006

	Dairy & Egg	Meat	Fish	Fruit & Nuts	Veg.	Fats & Starches	Alcohol
Dairy & Eggs	-0.254	0.115	-0.032	0.032	0.023	-0.073	0.189
Meat	0.054	-0.618	0.013	0.068	0.036	0.162	0.286
Fish	-0.068	0.056	-0.359	0.047	-0.018	0.136	0.206
Fruits & Nuts	0.044	0.198	0.031	-0.775	0.147	0.350	0.006
Vegetables	0.031	0.103	-0.012	0.144	-0.571	0.194	0.110
Fats & Starches	-0.020	0.096	0.018	0.071	0.040	-0.402	0.197
Alcohol	0.159	0.516	0.083	0.004	0.069	0.598	-1.428

Table H.169: Compensated Elasticities - Subsamples: Households in lowest income quintile 2007

	Dairy & Egg	Meat	Fish	Fruit & Nuts	Veg.	Fats & Starches	Alcohol
Dairy & Eggs	-0.356	0.046	0.066	0.006	-0.061	0.084	0.214
Meat	0.022	-0.460	0.036	0.104	0.029	0.190	0.079
Fish	0.149	0.172	-0.547	-0.058	-0.108	0.174	0.217
Fruits & Nuts	0.009	0.326	-0.038	-0.604	-0.131	0.233	0.205
Vegetables	-0.081	0.081	-0.063	-0.116	-0.479	0.272	0.386
Fats & Starches	0.024	0.113	0.022	0.044	0.058	-0.484	0.223
Alcohol	0.174	0.135	0.078	0.112	0.237	0.638	-1.374

Table H.170: Compensated Elasticities - Subsamples: Households in lowest income quintile 2008

	Dairy & Egg	Meat	Fish	Fruit & Nuts	Veg.	Fats & Starches	Alcohol
Dairy & Eggs	-0.608	0.310	-0.085	-0.033	-0.053	0.187	0.282
Meat	0.173	-0.540	-0.014	-0.023	0.019	0.358	0.026
Fish	-0.267	-0.077	-0.516	0.060	-0.098	0.330	0.569
Fruits & Nuts	-0.060	-0.074	0.034	-0.627	0.044	0.258	0.424
Vegetables	-0.092	0.058	-0.054	0.043	-0.540	0.204	0.381
Fats & Starches	0.056	0.191	0.031	0.043	0.035	-0.526	0.170
Alcohol	0.469	0.077	0.301	0.394	0.368	0.946	-2.555

Table H.171: Compensated Elasticities - Subsamples: Households in lowest income quintile 2009

	Dairy & Egg	Meat	Fish	Fruit & Nuts	Veg.	Fats & Starches	Alcohol
Dairy & Eggs	-0.459	0.067	-0.084	0.012	0.059	0.057	0.349
Meat	0.038	-0.606	0.002	0.043	-0.011	0.296	0.238
Fish	-0.258	0.009	-0.455	-0.051	0.096	0.335	0.325
Fruits & Nuts	0.023	0.141	-0.031	-0.527	-0.070	0.347	0.117
Vegetables	0.099	-0.032	0.053	-0.062	-0.578	0.331	0.190
Fats & Starches	0.017	0.156	0.033	0.055	0.059	-0.507	0.187
Alcohol	0.564	0.673	0.172	0.100	0.181	1.003	-2.692

Table H.172: Compensated Elasticities - Subsamples: Households w/ children 2001/02

	Dairy & Egg	Meat	Fish	Fruit & Nuts	Veg.	Fats & Starches	Alcohol
Dairy & Eggs	-0.459	0.138	0.000	-0.004	-0.002	0.208	0.119
Meat	0.068	-0.640	0.026	0.104	0.047	0.344	0.052
Fish	-0.001	0.188	-0.450	0.069	-0.028	0.116	0.105
Fruits & Nuts	-0.007	0.352	0.032	-0.847	-0.010	0.428	0.051
Vegetables	-0.004	0.171	-0.014	-0.011	-0.763	0.417	0.204
Fats & Starches	0.053	0.177	0.008	0.065	0.059	-0.458	0.096
Alcohol	0.128	0.114	0.031	0.033	0.124	0.407	-0.837

Table H.173: Compensated Elasticities - Subsamples: Households w/ children 2002/03

	Dairy & Egg	Meat	Fish	Fruit & Nuts	Veg.	Fats & Starches	Alcohol
Dairy & Eggs	-0.444	0.196	-0.014	-0.058	-0.055	0.236	0.139
Meat	0.097	-0.532	-0.004	0.105	0.090	0.234	0.010
Fish	-0.050	-0.026	-0.553	0.251	-0.119	0.357	0.140
Fruits & Nuts	-0.097	0.357	0.118	-0.902	-0.033	0.508	0.048
Vegetables	-0.099	0.333	-0.061	-0.036	-0.680	0.459	0.083
Fats & Starches	0.060	0.121	0.026	0.077	0.065	-0.489	0.140
Alcohol	0.147	0.021	0.042	0.031	0.049	0.583	-0.872

Table H.174: Compensated Elasticities - Subsamples: Households w/ children 2003/04

	Dairy & Egg	Meat	Fish	Fruit & Nuts	Veg.	Fats & Starches	Alcohol
Dairy & Eggs	-0.381	0.245	0.022	-0.040	-0.040	0.069	0.125
Meat	0.114	-0.589	0.002	0.131	0.055	0.257	0.029
Fish	0.082	0.019	-0.547	0.036	0.115	0.255	0.040
Fruits & Nuts	-0.065	0.457	0.016	-0.832	-0.073	0.369	0.128
Vegetables	-0.071	0.209	0.056	-0.079	-0.659	0.497	0.047
Fats & Starches	0.017	0.140	0.018	0.058	0.072	-0.473	0.168
Alcohol	0.133	0.066	0.012	0.083	0.028	0.702	-1.024

Table H.175: Compensated Elasticities - Subsamples: Households w/ children 2004/05

	Dairy & Egg	Meat	Fish	Fruit & Nuts	Veg.	Fats & Starches	Alcohol
Dairy & Eggs	-0.371	0.179	0.023	-0.023	-0.080	0.157	0.115
Meat	0.085	-0.620	-0.017	0.067	0.054	0.345	0.086
Fish	0.084	-0.133	-0.549	0.084	0.002	0.367	0.144
Fruits & Nuts	-0.037	0.226	0.037	-0.882	0.048	0.475	0.133
Vegetables	-0.142	0.203	0.001	0.053	-0.689	0.373	0.202
Fats & Starches	0.040	0.186	0.026	0.076	0.054	-0.470	0.088
Alcohol	0.117	0.184	0.040	0.084	0.115	0.346	-0.887

Table H.176: Compensated Elasticities - Subsamples: Households w/ children 2005/06

	Dairy & Egg	Meat	Fish	Fruit & Nuts	Veg.	Fats & Starches	Alcohol
Dairy & Eggs	-0.399	0.139	-0.022	-0.056	0.016	0.113	0.209
Meat	0.071	-0.715	0.010	0.112	0.055	0.394	0.072
Fish	-0.074	0.065	-0.530	0.076	-0.028	0.426	0.065
Fruits & Nuts	-0.079	0.316	0.033	-0.785	0.023	0.518	-0.025
Vegetables	0.026	0.180	-0.014	0.027	-0.748	0.512	0.018
Fats & Starches	0.031	0.211	0.035	0.099	0.084	-0.633	0.173
Alcohol	0.221	0.151	0.021	-0.019	0.011	0.671	-1.057

Table H.177: Compensated Elasticities - Subsamples: Households w/ children 2006

	Dairy & Egg	Meat	Fish	Fruit & Nuts	Veg.	Fats & Starches	Alcohol
Dairy & Eggs	-0.603	0.164	-0.040	0.025	0.014	0.260	0.180
Meat	0.081	-0.688	0.006	0.137	0.045	0.312	0.108
Fish	-0.135	0.038	-0.581	0.156	-0.046	0.434	0.135
Fruits & Nuts	0.034	0.374	0.063	-0.718	0.082	0.200	-0.035
Vegetables	0.020	0.130	-0.020	0.086	-0.620	0.321	0.083
Fats & Starches	0.072	0.176	0.036	0.041	0.063	-0.522	0.133
Alcohol	0.194	0.235	0.043	-0.028	0.063	0.514	-1.022

Table H.178: Compensated Elasticities - Subsamples: Households w/ children 2007

	Dairy & Egg	Meat	Fish	Fruit & Nuts	Veg.	Fats & Starches	Alcohol
Dairy & Eggs	-0.362	0.204	-0.019	0.010	-0.062	0.076	0.153
Meat	0.105	-0.538	-0.013	0.100	0.056	0.203	0.088
Fish	-0.059	-0.078	-0.323	-0.047	0.114	0.315	0.078
Fruits & Nuts	0.014	0.276	-0.021	-0.788	-0.035	0.340	0.214
Vegetables	-0.091	0.159	0.053	-0.036	-0.563	0.393	0.086
Fats & Starches	0.021	0.111	0.028	0.067	0.075	-0.450	0.147
Alcohol	0.177	0.198	0.028	0.174	0.068	0.601	-1.246

Table H.179: Compensated Elasticities - Subsamples: Households w/ children 2008

	Dairy & Egg	Meat	Fish	Fruit & Nuts	Veg.	Fats & Starches	Alcohol
Dairy & Eggs	-0.428	0.274	0.032	-0.072	-0.102	0.121	0.175
Meat	0.150	-0.545	0.001	0.102	0.054	0.132	0.107
Fish	0.103	0.007	-0.486	-0.076	-0.016	0.283	0.186
Fruits & Nuts	-0.112	0.290	-0.037	-0.757	-0.016	0.386	0.246
Vegetables	-0.155	0.149	-0.008	-0.015	-0.586	0.520	0.095
Fats & Starches	0.035	0.070	0.026	0.072	0.100	-0.395	0.092
Alcohol	0.222	0.248	0.074	0.200	0.080	0.403	-1.228

Table H.180: Compensated Elasticities - Subsamples: Households w/ children 2009

	Dairy & Egg	Meat	Fish	Fruit & Nuts	Veg.	Fats & Starches	Alcohol
Dairy & Eggs	-0.590	0.258	-0.055	-0.027	-0.023	0.157	0.279
Meat	0.150	-0.630	0.018	0.153	0.070	0.215	0.024
Fish	-0.183	0.105	-0.585	0.009	0.055	0.357	0.243
Fruits & Nuts	-0.045	0.436	0.004	-0.823	-0.032	0.438	0.022
Vegetables	-0.036	0.192	0.026	-0.030	-0.526	0.416	-0.042
Fats & Starches	0.047	0.111	0.032	0.080	0.079	-0.525	0.176
Alcohol	0.379	0.056	0.098	0.018	-0.036	0.798	-1.313

Table I.1: Nutrient elasticities - 2001/02

Nutrient	Unit	Dairy & Eggs	Meat	Fish	Fruits & Nuts	Vegetables	Fats & Starches	Alcohol	Expenditure
Vegetable Protein	g	-0.097	-0.101	-0.032	-0.056	-0.067	-0.666	-0.040	1.059
Animal Protein	g	-0.364	-0.133	-0.021	-0.057	-0.073	-0.297	0.031	0.914
Fat	g	-0.283	-0.107	-0.023	-0.053	-0.064	-0.447	0.011	0.966
Saturates	g	-0.273	-0.110	-0.024	-0.044	-0.060	-0.474	0.011	0.975
Mono-unsaturates	g	-0.282	-0.114	-0.023	-0.056	-0.062	-0.439	0.011	0.965
Poly-unsaturates	g	-0.260	-0.097	-0.025	-0.063	-0.070	-0.458	0.002	0.971
Carbohydrate	g	-0.113	-0.084	-0.033	-0.040	-0.044	-0.715	-0.033	1.062
Energy - Kcal	kcal	-0.239	-0.102	-0.026	-0.051	-0.060	-0.494	-0.012	0.985
Energy - MJ	MJ	-0.239	-0.102	-0.026	-0.051	-0.060	-0.495	-0.012	0.985
Calcium	mg	-0.318	-0.065	-0.022	-0.057	-0.074	-0.424	0.015	0.945
Iron	mg	-0.285	-0.086	-0.023	-0.053	-0.072	-0.447	0.005	0.961
Retinol	ug	-0.376	-0.082	-0.017	-0.060	-0.075	-0.339	0.033	0.916
Carotene	ug	-0.135	-0.086	-0.026	-0.053	-0.336	-0.296	-0.046	0.979
Retinol equivalent	ug	-0.355	-0.082	-0.018	-0.060	-0.098	-0.336	0.026	0.922
Thiamin	mg	-0.204	-0.132	-0.027	-0.042	-0.067	-0.529	-0.006	1.008
Riboflavin	mg	-0.351	-0.075	-0.019	-0.060	-0.074	-0.373	0.025	0.928
Niacin Equivalent	mg	-0.275	-0.151	-0.025	-0.053	-0.068	-0.400	0.009	0.962
Vitamin C	mg	-0.117	-0.020	0.004	-0.402	-0.164	-0.132	-0.093	0.925
Vitamin D	ug	-0.383	-0.069	-0.022	-0.061	-0.076	-0.325	0.032	0.904
Folate	ug	-0.315	-0.064	-0.021	-0.064	-0.089	-0.403	0.013	0.942
Sodium	mg	-0.214	-0.151	-0.030	-0.026	-0.062	-0.519	-0.001	1.004
Starch	g	-0.098	-0.103	-0.038	0.003	-0.041	-0.780	-0.027	1.083
Glucose	g	-0.110	-0.044	-0.017	-0.206	-0.065	-0.496	-0.069	1.008

Table I.2: Nutrient elasticities - 2001/02 (cont.)

Nutrient	Unit	Dairy & Eggs	Meat	Fish	Fruits & Nuts	Vegetables	Fats & Starches	Alcohol	Expenditure
Fructose	g	-0.112	-0.022	-0.010	-0.289	-0.073	-0.392	-0.083	0.980
Sucrose	g	-0.112	-0.073	-0.033	-0.038	-0.038	-0.741	-0.033	1.067
Maltose	g	-0.098	-0.092	-0.037	-0.009	-0.029	-0.770	-0.045	1.079
Lactose	g	-0.301	-0.062	-0.023	-0.042	-0.064	-0.486	0.016	0.963
Other sugars	g	-0.125	-0.079	-0.035	-0.007	-0.067	-0.719	-0.028	1.061
Total sugars	g	-0.129	-0.064	-0.027	-0.087	-0.048	-0.646	-0.039	1.040
Non-milk extr sugars	g	-0.111	-0.073	-0.034	-0.032	-0.033	-0.751	-0.036	1.069
Alcohol	g	0.038	0.046	-0.073	-0.098	-0.041	-0.010	-0.751	0.889
Fibre:Southgate	g	-0.104	-0.072	-0.027	-0.097	-0.096	-0.599	-0.045	1.039
Fibre:Englyst	g	-0.104	-0.075	-0.027	-0.095	-0.102	-0.590	-0.045	1.038
Potassium	mg	-0.204	-0.107	-0.027	-0.070	-0.076	-0.492	-0.018	0.994
Magnesium	mg	-0.206	-0.095	-0.027	-0.070	-0.063	-0.514	-0.020	0.995
Copper	mg	-0.228	-0.094	-0.025	-0.069	-0.073	-0.487	-0.010	0.985
Zinc	mg	-0.318	-0.126	-0.020	-0.059	-0.073	-0.365	0.019	0.943
Vitamin B6	mg	-0.222	-0.149	-0.026	-0.061	-0.072	-0.448	-0.009	0.987
Vitamin B12	ug	-0.394	-0.079	-0.021	-0.064	-0.077	-0.296	0.034	0.896
Phosphorus	mg	-0.328	-0.096	-0.021	-0.061	-0.075	-0.372	0.018	0.935
Manganese	mg	-0.100	-0.081	-0.033	-0.048	-0.052	-0.709	-0.041	1.064
Biotin	ug	-0.371	-0.054	-0.016	-0.082	-0.077	-0.334	0.024	0.911
Pantothenic acid	mg	-0.345	-0.082	-0.019	-0.067	-0.079	-0.336	0.006	0.922
Vitamin E	mg	-0.248	-0.069	-0.026	-0.055	-0.075	-0.506	-0.001	0.980
Cholesterol	mg	-0.414	-0.060	-0.015	-0.069	-0.080	-0.295	0.039	0.893

Table I.3: Nutrient elasticities - 2002/03

Nutrient	Unit	Dairy & Eggs	Meat	Fish	Fruits & Nuts	Vegetables	Fats & Starches	Alcohol	Expenditure
Vegetable Protein	g	-0.102	-0.125	-0.034	-0.060	-0.055	-0.672	-0.008	1.057
Animal Protein	g	-0.297	-0.125	-0.021	-0.024	-0.094	-0.323	-0.027	0.911
Fat	g	-0.237	-0.114	-0.024	-0.032	-0.073	-0.468	-0.014	0.962
Saturates	g	-0.231	-0.120	-0.024	-0.024	-0.068	-0.494	-0.010	0.972
Mono-unsaturates	g	-0.236	-0.120	-0.024	-0.035	-0.071	-0.462	-0.016	0.962
Poly-unsaturates	g	-0.220	-0.104	-0.026	-0.046	-0.077	-0.477	-0.018	0.968
Carbohydrate	g	-0.114	-0.115	-0.034	-0.044	-0.032	-0.724	0.004	1.059
Energy - Kcal	kcal	-0.206	-0.115	-0.027	-0.037	-0.065	-0.509	-0.023	0.982
Energy - MJ	MJ	-0.205	-0.115	-0.027	-0.037	-0.065	-0.510	-0.023	0.982
Calcium	mg	-0.265	-0.072	-0.024	-0.033	-0.088	-0.441	-0.018	0.940
Iron	mg	-0.240	-0.095	-0.024	-0.032	-0.083	-0.464	-0.020	0.958
Retinol	ug	-0.306	-0.085	-0.017	-0.026	-0.096	-0.361	-0.022	0.913
Carotene	ug	-0.151	-0.067	-0.025	-0.041	-0.346	-0.266	-0.087	0.984
Retinol equivalent	ug	-0.292	-0.083	-0.018	-0.028	-0.117	-0.354	-0.027	0.919
Thiamin	mg	-0.180	-0.144	-0.028	-0.030	-0.067	-0.547	-0.010	1.006
Riboflavin	mg	-0.288	-0.078	-0.020	-0.030	-0.092	-0.395	-0.020	0.924
Niacin Equivalent	mg	-0.230	-0.151	-0.026	-0.031	-0.077	-0.423	-0.023	0.960
Vitamin C	mg	-0.094	0.023	-0.009	-0.430	-0.152	-0.122	-0.139	0.924
Vitamin D	ug	-0.311	-0.067	-0.024	-0.027	-0.098	-0.348	-0.024	0.900
Folate	ug	-0.262	-0.068	-0.022	-0.039	-0.103	-0.420	-0.023	0.939
Sodium	mg	-0.187	-0.162	-0.030	-0.011	-0.064	-0.542	-0.008	1.003
Starch	g	-0.106	-0.140	-0.038	0.001	-0.027	-0.790	0.021	1.081
Glucose	g	-0.101	-0.049	-0.024	-0.221	-0.053	-0.497	-0.059	1.004

Table I.4: Nutrient elasticities - 2002/03 (cont.)

Nutrient	Unit	Dairy & Eggs	Meat	Fish	Fruits & Nuts	Vegetables	Fats & Starches	Alcohol	Expenditure
Fructose	g	-0.096	-0.015	-0.020	-0.306	-0.060	-0.396	-0.085	0.978
Sucrose	g	-0.114	-0.107	-0.034	-0.042	-0.025	-0.750	0.009	1.063
Maltose	g	-0.105	-0.132	-0.037	-0.014	-0.016	-0.776	0.004	1.075
Lactose	g	-0.255	-0.075	-0.024	-0.019	-0.076	-0.500	-0.007	0.957
Other sugars	g	-0.129	-0.112	-0.035	-0.007	-0.059	-0.724	0.007	1.058
Total sugars	g	-0.123	-0.087	-0.030	-0.092	-0.038	-0.652	-0.013	1.036
Non-milk extr sugars	g	-0.113	-0.108	-0.035	-0.037	-0.020	-0.757	0.007	1.064
Alcohol	g	-0.024	-0.044	-0.049	-0.140	-0.095	0.178	-0.703	0.877
Fibre:Southgate	g	-0.106	-0.086	-0.030	-0.105	-0.086	-0.598	-0.025	1.037
Fibre:Englyst	g	-0.107	-0.088	-0.030	-0.103	-0.092	-0.588	-0.027	1.035
Potassium	mg	-0.180	-0.115	-0.028	-0.062	-0.078	-0.501	-0.027	0.990
Magnesium	mg	-0.180	-0.107	-0.029	-0.062	-0.065	-0.525	-0.024	0.992
Copper	mg	-0.197	-0.104	-0.026	-0.057	-0.077	-0.499	-0.022	0.982
Zinc	mg	-0.263	-0.125	-0.020	-0.032	-0.088	-0.388	-0.024	0.940
Vitamin B6	mg	-0.192	-0.152	-0.026	-0.047	-0.076	-0.466	-0.026	0.985
Vitamin B12	ug	-0.319	-0.074	-0.023	-0.028	-0.101	-0.319	-0.027	0.892
Phosphorus	mg	-0.271	-0.097	-0.023	-0.034	-0.091	-0.392	-0.024	0.931
Manganese	mg	-0.105	-0.111	-0.035	-0.053	-0.040	-0.715	-0.003	1.061
Biotin	ug	-0.303	-0.054	-0.018	-0.052	-0.098	-0.353	-0.029	0.906
Pantothenic acid	mg	-0.284	-0.084	-0.019	-0.038	-0.099	-0.351	-0.042	0.918
Vitamin E	mg	-0.214	-0.081	-0.028	-0.041	-0.082	-0.517	-0.014	0.976
Cholesterol	mg	-0.335	-0.056	-0.016	-0.031	-0.106	-0.317	-0.026	0.888

Table I.5: Nutrient elasticities - 2003/04

Nutrient	Unit	Dairy & Eggs	Meat	Fish	Fruits & Nuts	Vegetables	Fats & Starches	Alcohol	Expenditure
Vegetable Protein	g	-0.113	-0.107	-0.025	-0.074	-0.051	-0.674	-0.012	1.055
Animal Protein	g	-0.272	-0.106	-0.041	-0.056	-0.094	-0.350	-0.007	0.926
Fat	g	-0.224	-0.091	-0.034	-0.060	-0.072	-0.487	-0.003	0.972
Saturates	g	-0.219	-0.097	-0.033	-0.053	-0.067	-0.510	-0.001	0.980
Mono-unsaturates	g	-0.223	-0.098	-0.034	-0.063	-0.070	-0.480	-0.004	0.972
Poly-unsaturates	g	-0.211	-0.083	-0.034	-0.071	-0.076	-0.496	-0.007	0.976
Carbohydrate	g	-0.124	-0.092	-0.025	-0.062	-0.029	-0.727	-0.002	1.060
Energy - Kcal	kcal	-0.197	-0.094	-0.033	-0.060	-0.063	-0.525	-0.016	0.989
Energy - MJ	MJ	-0.197	-0.094	-0.033	-0.060	-0.063	-0.526	-0.016	0.989
Calcium	mg	-0.248	-0.048	-0.036	-0.062	-0.087	-0.468	-0.004	0.952
Iron	mg	-0.227	-0.072	-0.034	-0.060	-0.081	-0.485	-0.009	0.968
Retinol	ug	-0.282	-0.058	-0.037	-0.060	-0.096	-0.392	-0.001	0.927
Carotene	ug	-0.148	-0.072	-0.027	-0.037	-0.361	-0.258	-0.071	0.975
Retinol equivalent	ug	-0.271	-0.059	-0.037	-0.058	-0.118	-0.382	-0.007	0.931
Thiamin	mg	-0.175	-0.124	-0.030	-0.053	-0.066	-0.556	-0.006	1.011
Riboflavin	mg	-0.268	-0.054	-0.037	-0.062	-0.091	-0.423	-0.002	0.937
Niacin Equivalent	mg	-0.216	-0.134	-0.036	-0.057	-0.077	-0.438	-0.011	0.970
Vitamin C	mg	-0.118	0.010	-0.013	-0.378	-0.145	-0.198	-0.081	0.923
Vitamin D	ug	-0.288	-0.044	-0.043	-0.061	-0.098	-0.380	-0.003	0.916
Folate	ug	-0.248	-0.046	-0.035	-0.067	-0.103	-0.444	-0.007	0.949
Sodium	mg	-0.181	-0.143	-0.034	-0.038	-0.063	-0.544	-0.006	1.008
Starch	g	-0.115	-0.115	-0.026	-0.025	-0.024	-0.781	0.007	1.080
Glucose	g	-0.118	-0.042	-0.020	-0.203	-0.046	-0.540	-0.038	1.007

Table I.6: Nutrient elasticities - 2003/04 (cont.)

Nutrient	Unit	Dairy & Eggs	Meat	Fish	Fruits & Nuts	Vegetables	Fats & Starches	Alcohol	Expenditure
Fructose	g	-0.117	-0.014	-0.017	-0.274	-0.051	-0.456	-0.051	0.981
Sucrose	g	-0.124	-0.082	-0.024	-0.061	-0.021	-0.752	0.001	1.064
Maltose	g	-0.114	-0.107	-0.026	-0.036	-0.013	-0.771	-0.010	1.075
Lactose	g	-0.241	-0.048	-0.035	-0.051	-0.074	-0.522	0.004	0.968
Other sugars	g	-0.135	-0.087	-0.027	-0.031	-0.058	-0.716	-0.003	1.057
Total sugars	g	-0.133	-0.068	-0.024	-0.102	-0.034	-0.667	-0.010	1.038
Non-milk extr sugars	g	-0.123	-0.084	-0.025	-0.056	-0.017	-0.760	-0.001	1.065
Alcohol	g	0.003	-0.053	-0.061	-0.070	-0.079	0.122	-0.737	0.874
Fibre:Southgate	g	-0.118	-0.072	-0.023	-0.110	-0.081	-0.611	-0.020	1.035
Fibre:Englyst	g	-0.119	-0.074	-0.023	-0.108	-0.087	-0.600	-0.021	1.034
Potassium	mg	-0.177	-0.099	-0.031	-0.078	-0.077	-0.514	-0.019	0.995
Magnesium	mg	-0.178	-0.088	-0.031	-0.081	-0.062	-0.539	-0.017	0.997
Copper	mg	-0.192	-0.085	-0.031	-0.078	-0.073	-0.516	-0.012	0.988
Zinc	mg	-0.244	-0.105	-0.036	-0.060	-0.087	-0.411	-0.007	0.951
Vitamin B6	mg	-0.184	-0.137	-0.032	-0.066	-0.075	-0.480	-0.017	0.991
Vitamin B12	ug	-0.293	-0.053	-0.044	-0.062	-0.101	-0.351	-0.005	0.908
Phosphorus	mg	-0.252	-0.075	-0.038	-0.063	-0.090	-0.418	-0.007	0.944
Manganese	mg	-0.116	-0.089	-0.025	-0.071	-0.037	-0.711	-0.010	1.059
Biotin	ug	-0.281	-0.029	-0.037	-0.082	-0.097	-0.388	-0.006	0.920
Pantothenic acid	mg	-0.263	-0.062	-0.038	-0.066	-0.098	-0.382	-0.023	0.931
Vitamin E	mg	-0.206	-0.059	-0.033	-0.065	-0.079	-0.537	-0.005	0.984
Cholesterol	mg	-0.307	-0.031	-0.040	-0.066	-0.105	-0.355	-0.001	0.905

Table I.7: Nutrient elasticities - 2004/05

Nutrient	Unit	Dairy & Eggs	Meat	Fish	Fruits & Nuts	Vegetables	Fats & Starches	Alcohol	Expenditure
Vegetable Protein	g	-0.096	-0.113	-0.032	-0.072	-0.063	-0.652	-0.020	1.049
Animal Protein	g	-0.366	-0.102	-0.034	-0.051	-0.073	-0.307	0.006	0.926
Fat	g	-0.284	-0.090	-0.032	-0.055	-0.062	-0.448	0.002	0.970
Saturates	g	-0.276	-0.097	-0.033	-0.045	-0.058	-0.475	0.005	0.979
Mono-unsaturates	g	-0.283	-0.096	-0.032	-0.059	-0.060	-0.440	0.001	0.969
Poly-unsaturates	g	-0.261	-0.082	-0.032	-0.070	-0.067	-0.455	-0.004	0.972
Carbohydrate	g	-0.115	-0.100	-0.034	-0.048	-0.040	-0.712	-0.008	1.056
Energy - Kcal	kcal	-0.242	-0.094	-0.033	-0.054	-0.057	-0.491	-0.014	0.986
Energy - MJ	MJ	-0.241	-0.094	-0.033	-0.054	-0.057	-0.493	-0.013	0.987
Calcium	mg	-0.319	-0.048	-0.033	-0.055	-0.071	-0.427	0.004	0.950
Iron	mg	-0.287	-0.073	-0.033	-0.053	-0.070	-0.446	-0.003	0.965
Retinol	ug	-0.380	-0.053	-0.031	-0.055	-0.073	-0.343	0.011	0.925
Carotene	ug	-0.130	-0.110	-0.027	-0.032	-0.349	-0.281	-0.040	0.969
Retinol equivalent	ug	-0.358	-0.058	-0.031	-0.053	-0.097	-0.339	0.006	0.930
Thiamin	mg	-0.206	-0.127	-0.033	-0.043	-0.065	-0.530	-0.003	1.008
Riboflavin	mg	-0.355	-0.052	-0.032	-0.057	-0.072	-0.376	0.008	0.935
Niacin Equivalent	mg	-0.276	-0.132	-0.034	-0.052	-0.067	-0.402	-0.004	0.968
Vitamin C	mg	-0.107	0.008	-0.001	-0.423	-0.144	-0.128	-0.118	0.914
Vitamin D	ug	-0.386	-0.041	-0.035	-0.056	-0.074	-0.331	0.009	0.914
Folate	ug	-0.320	-0.047	-0.031	-0.062	-0.087	-0.400	0.002	0.945
Sodium	mg	-0.216	-0.145	-0.036	-0.026	-0.062	-0.522	0.000	1.006
Starch	g	-0.100	-0.125	-0.038	-0.004	-0.039	-0.774	0.004	1.076
Glucose	g	-0.109	-0.044	-0.020	-0.212	-0.052	-0.506	-0.060	1.003

Table I.8: Nutrient elasticities - 2004/05 (cont.)

Nutrient	Unit	Dairy & Eggs	Meat	Fish	Fruits & Nuts	Vegetables	Fats & Starches	Alcohol	Expenditure
Fructose	g	-0.109	-0.015	-0.014	-0.289	-0.055	-0.415	-0.080	0.977
Sucrose	g	-0.115	-0.090	-0.034	-0.044	-0.033	-0.740	-0.004	1.060
Maltose	g	-0.101	-0.114	-0.036	-0.019	-0.026	-0.764	-0.013	1.072
Lactose	g	-0.303	-0.051	-0.033	-0.040	-0.061	-0.490	0.011	0.968
Other sugars	g	-0.131	-0.098	-0.035	-0.013	-0.066	-0.707	-0.002	1.052
Total sugars	g	-0.130	-0.073	-0.030	-0.094	-0.042	-0.646	-0.020	1.034
Non-milk extr sugars	g	-0.114	-0.091	-0.034	-0.039	-0.028	-0.749	-0.007	1.062
Alcohol	g	0.013	-0.028	-0.059	-0.131	-0.039	0.104	-0.748	0.887
Fibre:Southgate	g	-0.101	-0.081	-0.027	-0.113	-0.091	-0.585	-0.030	1.028
Fibre:Englyst	g	-0.102	-0.084	-0.027	-0.111	-0.096	-0.576	-0.030	1.027
Potassium	mg	-0.208	-0.102	-0.032	-0.075	-0.074	-0.481	-0.019	0.991
Magnesium	mg	-0.207	-0.089	-0.032	-0.080	-0.060	-0.505	-0.019	0.993
Copper	mg	-0.229	-0.085	-0.031	-0.077	-0.068	-0.480	-0.013	0.984
Zinc	mg	-0.319	-0.103	-0.032	-0.056	-0.072	-0.370	0.001	0.950
Vitamin B6	mg	-0.226	-0.139	-0.032	-0.062	-0.072	-0.441	-0.015	0.987
Vitamin B12	ug	-0.397	-0.049	-0.036	-0.057	-0.075	-0.303	0.008	0.908
Phosphorus	mg	-0.330	-0.074	-0.033	-0.059	-0.073	-0.375	0.002	0.942
Manganese	mg	-0.101	-0.096	-0.033	-0.064	-0.049	-0.691	-0.019	1.053
Biotin	ug	-0.374	-0.026	-0.030	-0.083	-0.073	-0.335	0.002	0.918
Pantothenic acid	mg	-0.350	-0.059	-0.031	-0.064	-0.077	-0.337	-0.011	0.930
Vitamin E	mg	-0.253	-0.061	-0.033	-0.061	-0.073	-0.495	-0.002	0.978
Cholesterol	mg	-0.417	-0.027	-0.031	-0.063	-0.078	-0.301	0.012	0.904

Table I.9: Nutrient elasticities - 2005/06

Nutrient	Unit	Dairy & Eggs	Meat	Fish	Fruits & Nuts	Vegetables	Fats & Starches	Alcohol	Expenditure
Vegetable Protein	g	-0.108	-0.073	-0.023	-0.074	-0.072	-0.682	-0.015	1.045
Animal Protein	g	-0.335	-0.123	-0.038	-0.052	-0.026	-0.347	-0.004	0.924
Fat	g	-0.268	-0.090	-0.031	-0.056	-0.033	-0.487	0.000	0.966
Saturates	g	-0.263	-0.093	-0.031	-0.047	-0.031	-0.513	0.004	0.974
Mono-unsaturates	g	-0.267	-0.097	-0.031	-0.060	-0.031	-0.479	-0.001	0.966
Poly-unsaturates	g	-0.247	-0.079	-0.030	-0.070	-0.044	-0.492	-0.007	0.969
Carbohydrate	g	-0.128	-0.058	-0.024	-0.051	-0.047	-0.744	0.003	1.050
Energy - Kcal	kcal	-0.233	-0.087	-0.031	-0.056	-0.038	-0.527	-0.011	0.983
Energy - MJ	MJ	-0.232	-0.087	-0.031	-0.056	-0.038	-0.528	-0.011	0.983
Calcium	mg	-0.297	-0.052	-0.032	-0.055	-0.039	-0.474	0.002	0.947
Iron	mg	-0.269	-0.072	-0.031	-0.054	-0.043	-0.489	-0.005	0.962
Retinol	ug	-0.348	-0.070	-0.032	-0.055	-0.028	-0.396	0.005	0.923
Carotene	ug	-0.091	-0.057	-0.024	-0.036	-0.368	-0.310	-0.091	0.977
Retinol equivalent	ug	-0.325	-0.069	-0.032	-0.053	-0.058	-0.389	-0.003	0.928
Thiamin	mg	-0.201	-0.109	-0.029	-0.046	-0.051	-0.562	-0.004	1.004
Riboflavin	mg	-0.327	-0.064	-0.032	-0.056	-0.031	-0.425	0.003	0.933
Niacin Equivalent	mg	-0.260	-0.137	-0.035	-0.055	-0.037	-0.431	-0.010	0.965
Vitamin C	mg	-0.089	-0.014	0.009	-0.419	-0.148	-0.139	-0.132	0.931
Vitamin D	ug	-0.352	-0.062	-0.038	-0.054	-0.027	-0.382	0.003	0.913
Folate	ug	-0.293	-0.051	-0.030	-0.062	-0.056	-0.448	-0.004	0.944
Sodium	mg	-0.210	-0.129	-0.034	-0.029	-0.045	-0.552	-0.002	1.001
Starch	g	-0.118	-0.073	-0.028	-0.007	-0.048	-0.811	0.015	1.068
Glucose	g	-0.113	-0.031	-0.009	-0.218	-0.060	-0.516	-0.055	1.003

Table I.10: Nutrient elasticities - 2005/06 (cont.)

Nutrient	Unit	Dairy & Eggs	Meat	Fish	Fruits & Nuts	Vegetables	Fats & Starches	Alcohol	Expenditure
Fructose	g	-0.110	-0.017	-0.003	-0.287	-0.062	-0.430	-0.074	0.983
Sucrose	g	-0.130	-0.047	-0.023	-0.048	-0.040	-0.772	0.007	1.053
Maltose	g	-0.120	-0.068	-0.027	-0.022	-0.034	-0.798	0.004	1.065
Lactose	g	-0.289	-0.047	-0.031	-0.041	-0.032	-0.534	0.012	0.961
Other sugars	g	-0.142	-0.052	-0.027	-0.016	-0.074	-0.736	0.003	1.044
Total sugars	g	-0.139	-0.042	-0.020	-0.099	-0.046	-0.672	-0.011	1.029
Non-milk extr sugars	g	-0.130	-0.047	-0.024	-0.045	-0.035	-0.780	0.006	1.054
Alcohol	g	0.006	-0.103	-0.071	-0.130	-0.104	0.146	-0.644	0.899
Fibre:Southgate	g	-0.106	-0.047	-0.018	-0.113	-0.101	-0.616	-0.029	1.029
Fibre:Englyst	g	-0.106	-0.049	-0.018	-0.109	-0.106	-0.608	-0.030	1.027
Potassium	mg	-0.200	-0.090	-0.028	-0.078	-0.062	-0.508	-0.021	0.988
Magnesium	mg	-0.202	-0.078	-0.028	-0.082	-0.047	-0.536	-0.018	0.990
Copper	mg	-0.220	-0.076	-0.028	-0.079	-0.050	-0.516	-0.013	0.982
Zinc	mg	-0.294	-0.113	-0.033	-0.058	-0.035	-0.410	-0.005	0.948
Vitamin B6	mg	-0.215	-0.133	-0.031	-0.066	-0.053	-0.467	-0.019	0.984
Vitamin B12	ug	-0.360	-0.073	-0.040	-0.056	-0.026	-0.352	0.001	0.906
Phosphorus	mg	-0.304	-0.084	-0.034	-0.059	-0.036	-0.419	-0.003	0.940
Manganese	mg	-0.115	-0.055	-0.023	-0.066	-0.058	-0.723	-0.009	1.048
Biotin	ug	-0.341	-0.046	-0.030	-0.081	-0.030	-0.386	-0.002	0.917
Pantothenic acid	mg	-0.321	-0.075	-0.033	-0.063	-0.038	-0.385	-0.014	0.928
Vitamin E	mg	-0.240	-0.052	-0.030	-0.061	-0.054	-0.535	-0.003	0.974
Cholesterol	mg	-0.378	-0.053	-0.033	-0.061	-0.026	-0.358	0.005	0.903

Table I.11: Nutrient elasticities - 2006

Nutrient	Unit	Dairy & Eggs	Meat	Fish	Fruits & Nuts	Vegetables	Fats & Starches	Alcohol	Expenditure
Vegetable Protein	g	-0.108	-0.104	-0.024	-0.084	-0.066	-0.641	-0.018	1.045
Animal Protein	g	-0.303	-0.121	-0.046	-0.076	-0.066	-0.331	0.009	0.934
Fat	g	-0.243	-0.102	-0.037	-0.078	-0.058	-0.461	0.006	0.973
Saturates	g	-0.238	-0.108	-0.037	-0.068	-0.055	-0.484	0.008	0.981
Mono-unsaturates	g	-0.242	-0.108	-0.037	-0.081	-0.056	-0.455	0.005	0.974
Poly-unsaturates	g	-0.227	-0.090	-0.036	-0.090	-0.066	-0.466	-0.001	0.976
Carbohydrate	g	-0.121	-0.096	-0.027	-0.066	-0.042	-0.690	-0.005	1.049
Energy - Kcal	kcal	-0.212	-0.102	-0.037	-0.075	-0.056	-0.497	-0.010	0.988
Energy - MJ	MJ	-0.211	-0.102	-0.036	-0.075	-0.056	-0.498	-0.010	0.988
Calcium	mg	-0.270	-0.059	-0.040	-0.082	-0.070	-0.441	0.007	0.955
Iron	mg	-0.244	-0.083	-0.038	-0.077	-0.068	-0.460	0.000	0.970
Retinol	ug	-0.315	-0.067	-0.042	-0.084	-0.069	-0.372	0.015	0.933
Carotene	ug	-0.125	-0.062	-0.021	-0.053	-0.376	-0.277	-0.069	0.982
Retinol equivalent	ug	-0.298	-0.066	-0.040	-0.081	-0.096	-0.364	0.008	0.937
Thiamin	mg	-0.185	-0.131	-0.033	-0.063	-0.064	-0.532	-0.001	1.009
Riboflavin	mg	-0.296	-0.066	-0.041	-0.084	-0.068	-0.398	0.012	0.942
Niacin Equivalent	mg	-0.236	-0.145	-0.040	-0.074	-0.062	-0.415	-0.001	0.972
Vitamin C	mg	-0.121	0.037	0.016	-0.441	-0.154	-0.154	-0.105	0.922
Vitamin D	ug	-0.319	-0.058	-0.049	-0.084	-0.069	-0.356	0.013	0.923
Folate	ug	-0.269	-0.056	-0.038	-0.089	-0.087	-0.418	0.004	0.952
Sodium	mg	-0.192	-0.151	-0.039	-0.045	-0.058	-0.523	0.001	1.007
Starch	g	-0.109	-0.122	-0.031	-0.021	-0.039	-0.750	0.004	1.068
Glucose	g	-0.120	-0.033	-0.009	-0.235	-0.060	-0.490	-0.051	0.998

Table I.12: Nutrient elasticities - 2006 (cont.)

Nutrient	Unit	Dairy & Eggs	Meat	Fish	Fruits & Nuts	Vegetables	Fats & Starches	Alcohol	Expenditure
Fructose	g	-0.122	-0.004	-0.002	-0.304	-0.065	-0.414	-0.066	0.976
Sucrose	g	-0.122	-0.088	-0.026	-0.065	-0.035	-0.713	-0.003	1.052
Maltose	g	-0.110	-0.113	-0.030	-0.036	-0.026	-0.737	-0.011	1.064
Lactose	g	-0.263	-0.060	-0.039	-0.068	-0.060	-0.492	0.014	0.968
Other sugars	g	-0.136	-0.092	-0.031	-0.034	-0.072	-0.676	-0.004	1.044
Total sugars	g	-0.135	-0.069	-0.022	-0.116	-0.045	-0.624	-0.016	1.028
Non-milk extr sugars	g	-0.121	-0.088	-0.027	-0.063	-0.029	-0.718	-0.005	1.053
Alcohol	g	0.020	-0.017	-0.087	-0.109	-0.078	0.103	-0.721	0.889
Fibre:Southgate	g	-0.111	-0.070	-0.018	-0.125	-0.097	-0.578	-0.028	1.028
Fibre:Englyst	g	-0.112	-0.072	-0.019	-0.122	-0.103	-0.571	-0.029	1.027
Potassium	mg	-0.187	-0.104	-0.032	-0.096	-0.076	-0.481	-0.017	0.992
Magnesium	mg	-0.187	-0.093	-0.033	-0.098	-0.060	-0.508	-0.015	0.994
Copper	mg	-0.205	-0.088	-0.032	-0.098	-0.067	-0.488	-0.009	0.986
Zinc	mg	-0.267	-0.119	-0.039	-0.080	-0.067	-0.390	0.005	0.957
Vitamin B6	mg	-0.199	-0.145	-0.034	-0.082	-0.070	-0.448	-0.012	0.990
Vitamin B12	ug	-0.326	-0.066	-0.050	-0.085	-0.070	-0.330	0.012	0.916
Phosphorus	mg	-0.276	-0.087	-0.042	-0.084	-0.069	-0.396	0.005	0.949
Manganese	mg	-0.112	-0.090	-0.025	-0.080	-0.052	-0.673	-0.016	1.047
Biotin	ug	-0.311	-0.041	-0.039	-0.111	-0.071	-0.362	0.008	0.926
Pantothenic acid	mg	-0.290	-0.073	-0.041	-0.090	-0.074	-0.361	-0.008	0.937
Vitamin E	mg	-0.221	-0.066	-0.036	-0.083	-0.074	-0.500	0.000	0.980
Cholesterol	mg	-0.342	-0.046	-0.044	-0.093	-0.073	-0.332	0.017	0.913

Table I.13: Nutrient elasticities - 2007

Nutrient	Unit	Dairy & Eggs	Meat	Fish	Fruits & Nuts	Vegetables	Fats & Starches	Alcohol	Expenditure
Vegetable Protein	g	-0.105	-0.117	-0.031	-0.084	-0.064	-0.669	0.021	1.049
Animal Protein	g	-0.342	-0.081	-0.008	-0.056	-0.099	-0.324	-0.026	0.936
Fat	g	-0.275	-0.080	-0.013	-0.062	-0.081	-0.457	-0.005	0.973
Saturates	g	-0.267	-0.088	-0.013	-0.053	-0.077	-0.482	0.000	0.982
Mono-unsaturates	g	-0.273	-0.085	-0.014	-0.065	-0.080	-0.451	-0.006	0.973
Poly-unsaturates	g	-0.256	-0.074	-0.016	-0.076	-0.085	-0.464	-0.005	0.975
Carbohydrate	g	-0.120	-0.109	-0.029	-0.065	-0.043	-0.720	0.032	1.053
Energy - Kcal	kcal	-0.238	-0.089	-0.018	-0.063	-0.074	-0.494	-0.012	0.988
Energy - MJ	MJ	-0.237	-0.089	-0.018	-0.063	-0.074	-0.496	-0.012	0.988
Calcium	mg	-0.304	-0.042	-0.010	-0.064	-0.094	-0.436	-0.007	0.956
Iron	mg	-0.279	-0.064	-0.012	-0.062	-0.090	-0.450	-0.011	0.968
Retinol	ug	-0.358	-0.036	-0.002	-0.061	-0.102	-0.360	-0.016	0.934
Carotene	ug	-0.152	-0.083	-0.012	-0.063	-0.342	-0.276	-0.050	0.977
Retinol equivalent	ug	-0.341	-0.040	-0.003	-0.061	-0.121	-0.354	-0.018	0.938
Thiamin	mg	-0.205	-0.119	-0.020	-0.055	-0.076	-0.536	0.004	1.008
Riboflavin	mg	-0.337	-0.040	-0.005	-0.063	-0.098	-0.385	-0.013	0.942
Niacin Equivalent	mg	-0.267	-0.116	-0.016	-0.060	-0.085	-0.411	-0.017	0.972
Vitamin C	mg	-0.112	0.037	-0.027	-0.441	-0.154	-0.151	-0.075	0.921
Vitamin D	ug	-0.362	-0.029	-0.006	-0.063	-0.102	-0.344	-0.019	0.924
Folate	ug	-0.308	-0.037	-0.008	-0.071	-0.110	-0.406	-0.011	0.951
Sodium	mg	-0.212	-0.136	-0.022	-0.038	-0.072	-0.528	0.002	1.006
Starch	g	-0.107	-0.136	-0.031	-0.022	-0.037	-0.785	0.045	1.073
Glucose	g	-0.113	-0.043	-0.030	-0.228	-0.065	-0.509	-0.014	1.002

Table I.14: Nutrient elasticities - 2007 (cont.)

Nutrient	Unit	Dairy & Eggs	Meat	Fish	Fruits & Nuts	Vegetables	Fats & Starches	Alcohol	Expenditure
Fructose	g	-0.112	-0.012	-0.030	-0.297	-0.072	-0.428	-0.029	0.980
Sucrose	g	-0.121	-0.101	-0.029	-0.062	-0.036	-0.745	0.038	1.057
Maltose	g	-0.108	-0.129	-0.031	-0.034	-0.026	-0.767	0.026	1.068
Lactose	g	-0.291	-0.047	-0.010	-0.051	-0.082	-0.497	0.006	0.972
Other sugars	g	-0.141	-0.105	-0.025	-0.032	-0.071	-0.702	0.028	1.048
Total sugars	g	-0.134	-0.079	-0.027	-0.112	-0.050	-0.649	0.018	1.032
Non-milk extr sugars	g	-0.120	-0.102	-0.029	-0.060	-0.031	-0.750	0.034	1.058
Alcohol	g	-0.016	-0.122	-0.073	-0.075	-0.064	0.256	-0.783	0.876
Fibre:Southgate	g	-0.110	-0.084	-0.028	-0.126	-0.094	-0.598	0.010	1.030
Fibre:Englyst	g	-0.111	-0.086	-0.028	-0.123	-0.099	-0.592	0.009	1.029
Potassium	mg	-0.207	-0.095	-0.021	-0.086	-0.088	-0.484	-0.011	0.992
Magnesium	mg	-0.206	-0.086	-0.022	-0.088	-0.074	-0.512	-0.007	0.995
Copper	mg	-0.229	-0.077	-0.018	-0.085	-0.083	-0.488	-0.006	0.986
Zinc	mg	-0.303	-0.087	-0.010	-0.062	-0.094	-0.384	-0.017	0.957
Vitamin B6	mg	-0.223	-0.125	-0.020	-0.071	-0.087	-0.446	-0.017	0.989
Vitamin B12	ug	-0.368	-0.034	-0.006	-0.063	-0.104	-0.319	-0.024	0.919
Phosphorus	mg	-0.313	-0.061	-0.010	-0.066	-0.096	-0.388	-0.016	0.949
Manganese	mg	-0.109	-0.104	-0.030	-0.080	-0.051	-0.699	0.023	1.050
Biotin	ug	-0.352	-0.016	-0.003	-0.084	-0.103	-0.351	-0.019	0.928
Pantothenic acid	mg	-0.332	-0.046	-0.006	-0.068	-0.103	-0.348	-0.034	0.938
Vitamin E	mg	-0.250	-0.057	-0.016	-0.071	-0.090	-0.498	0.002	0.980
Cholesterol	mg	-0.387	-0.014	0.001	-0.067	-0.109	-0.320	-0.021	0.917

Table I.15: Nutrient elasticities - 2008

Nutrient	Unit	Dairy & Eggs	Meat	Fish	Fruits & Nuts	Vegetables	Fats & Starches	Alcohol	Expenditure
Vegetable Protein	g	-0.110	-0.148	-0.020	-0.066	-0.058	-0.628	-0.016	1.046
Animal Protein	g	-0.358	-0.051	-0.056	-0.114	-0.106	-0.300	0.036	0.950
Fat	g	-0.286	-0.071	-0.043	-0.098	-0.083	-0.425	0.025	0.982
Saturates	g	-0.275	-0.083	-0.042	-0.087	-0.078	-0.451	0.026	0.990
Mono-unsaturates	g	-0.285	-0.075	-0.044	-0.101	-0.081	-0.419	0.024	0.982
Poly-unsaturates	g	-0.270	-0.068	-0.041	-0.105	-0.086	-0.430	0.017	0.983
Carbohydrate	g	-0.121	-0.143	-0.021	-0.054	-0.034	-0.675	-0.003	1.051
Energy - Kcal	kcal	-0.248	-0.085	-0.040	-0.090	-0.074	-0.462	0.005	0.993
Energy - MJ	MJ	-0.247	-0.086	-0.040	-0.090	-0.074	-0.463	0.005	0.993
Calcium	mg	-0.316	-0.026	-0.045	-0.108	-0.099	-0.398	0.025	0.967
Iron	mg	-0.293	-0.051	-0.043	-0.100	-0.094	-0.413	0.017	0.976
Retinol	ug	-0.368	-0.010	-0.051	-0.120	-0.108	-0.330	0.038	0.950
Carotene	ug	-0.168	-0.061	-0.022	-0.036	-0.386	-0.236	-0.074	0.983
Retinol equivalent	ug	-0.353	-0.014	-0.049	-0.114	-0.129	-0.323	0.029	0.953
Thiamin	mg	-0.215	-0.126	-0.036	-0.072	-0.077	-0.499	0.012	1.011
Riboflavin	mg	-0.352	-0.015	-0.049	-0.118	-0.105	-0.350	0.033	0.955
Niacin Equivalent	mg	-0.281	-0.103	-0.048	-0.096	-0.088	-0.385	0.021	0.980
Vitamin C	mg	-0.176	0.055	-0.002	-0.436	-0.145	-0.101	-0.123	0.928
Vitamin D	ug	-0.377	0.001	-0.056	-0.123	-0.110	-0.312	0.037	0.941
Folate	ug	-0.324	-0.016	-0.045	-0.115	-0.117	-0.367	0.022	0.962
Sodium	mg	-0.219	-0.142	-0.041	-0.057	-0.073	-0.496	0.018	1.010
Starch	g	-0.102	-0.177	-0.022	-0.007	-0.029	-0.739	0.008	1.068
Glucose	g	-0.139	-0.057	-0.012	-0.222	-0.052	-0.463	-0.057	1.002

Table I.16: Nutrient elasticities - 2008 (cont.)

Nutrient	Unit	Dairy & Eggs	Meat	Fish	Fruits & Nuts	Vegetables	Fats & Starches	Alcohol	Expenditure
Fructose	g	-0.150	-0.018	-0.009	-0.293	-0.056	-0.381	-0.075	0.982
Sucrose	g	-0.121	-0.137	-0.020	-0.051	-0.028	-0.697	0.000	1.054
Maltose	g	-0.102	-0.166	-0.021	-0.023	-0.016	-0.727	-0.008	1.064
Lactose	g	-0.297	-0.041	-0.042	-0.089	-0.084	-0.460	0.030	0.982
Other sugars	g	-0.139	-0.131	-0.024	-0.024	-0.074	-0.652	-0.002	1.046
Total sugars	g	-0.143	-0.104	-0.020	-0.106	-0.040	-0.604	-0.015	1.031
Non-milk extr sugars	g	-0.119	-0.138	-0.020	-0.050	-0.021	-0.704	-0.003	1.054
Alcohol	g	0.055	0.067	-0.054	-0.133	-0.091	0.134	-0.826	0.847
Fibre:Southgate	g	-0.123	-0.107	-0.016	-0.109	-0.092	-0.551	-0.031	1.029
Fibre:Englyst	g	-0.124	-0.108	-0.017	-0.105	-0.099	-0.544	-0.031	1.028
Potassium	mg	-0.222	-0.094	-0.036	-0.102	-0.089	-0.447	-0.005	0.996
Magnesium	mg	-0.220	-0.089	-0.035	-0.104	-0.073	-0.474	-0.004	0.998
Copper	mg	-0.243	-0.075	-0.037	-0.108	-0.084	-0.449	0.004	0.991
Zinc	mg	-0.317	-0.067	-0.048	-0.108	-0.099	-0.356	0.027	0.968
Vitamin B6	mg	-0.238	-0.120	-0.041	-0.095	-0.088	-0.417	0.005	0.994
Vitamin B12	ug	-0.385	-0.001	-0.058	-0.127	-0.113	-0.289	0.037	0.936
Phosphorus	mg	-0.328	-0.040	-0.049	-0.113	-0.102	-0.355	0.027	0.961
Manganese	mg	-0.113	-0.137	-0.019	-0.066	-0.043	-0.654	-0.016	1.047
Biotin	ug	-0.370	0.014	-0.049	-0.142	-0.109	-0.315	0.029	0.943
Pantothenic acid	mg	-0.348	-0.016	-0.050	-0.123	-0.111	-0.320	0.017	0.950
Vitamin E	mg	-0.263	-0.054	-0.039	-0.097	-0.092	-0.457	0.015	0.987
Cholesterol	mg	-0.401	0.021	-0.054	-0.135	-0.118	-0.289	0.041	0.934

Table I.17: Nutrient elasticities - 2009

Nutrient	Unit	Dairy & Eggs	Meat	Fish	Fruits & Nuts	Vegetables	Fats & Starches	Alcohol	Expenditure
Vegetable Protein	g	-0.109	-0.107	-0.021	-0.091	-0.055	-0.686	0.021	1.048
Animal Protein	g	-0.437	-0.088	-0.049	-0.034	-0.063	-0.331	0.080	0.922
Fat	g	-0.345	-0.084	-0.039	-0.051	-0.052	-0.466	0.073	0.963
Saturates	g	-0.334	-0.093	-0.037	-0.045	-0.047	-0.491	0.075	0.971
Mono-unsaturates	g	-0.344	-0.088	-0.038	-0.053	-0.050	-0.460	0.071	0.962
Poly-unsaturates	g	-0.318	-0.074	-0.038	-0.065	-0.058	-0.474	0.061	0.966
Carbohydrate	g	-0.133	-0.105	-0.022	-0.074	-0.028	-0.738	0.047	1.052
Energy - Kcal	kcal	-0.294	-0.091	-0.036	-0.056	-0.049	-0.502	0.051	0.979
Energy - MJ	MJ	-0.293	-0.091	-0.036	-0.056	-0.049	-0.504	0.051	0.979
Calcium	mg	-0.380	-0.045	-0.042	-0.051	-0.064	-0.443	0.079	0.945
Iron	mg	-0.348	-0.067	-0.039	-0.051	-0.062	-0.457	0.067	0.958
Retinol	ug	-0.450	-0.045	-0.045	-0.041	-0.065	-0.367	0.093	0.921
Carotene	ug	-0.140	-0.047	-0.031	-0.044	-0.387	-0.239	-0.083	0.972
Retinol equivalent	ug	-0.426	-0.046	-0.044	-0.041	-0.090	-0.358	0.079	0.925
Thiamin	mg	-0.251	-0.121	-0.032	-0.050	-0.055	-0.547	0.054	1.002
Riboflavin	mg	-0.424	-0.046	-0.044	-0.046	-0.064	-0.394	0.087	0.930
Niacin Equivalent	mg	-0.336	-0.119	-0.041	-0.045	-0.057	-0.422	0.058	0.962
Vitamin C	mg	-0.101	0.077	-0.004	-0.391	-0.159	-0.207	-0.142	0.926
Vitamin D	ug	-0.459	-0.035	-0.051	-0.041	-0.066	-0.351	0.092	0.911
Folate	ug	-0.384	-0.039	-0.041	-0.055	-0.080	-0.415	0.074	0.940
Sodium	mg	-0.262	-0.140	-0.037	-0.034	-0.050	-0.535	0.057	1.000
Starch	g	-0.118	-0.134	-0.024	-0.039	-0.023	-0.795	0.061	1.071
Glucose	g	-0.115	-0.026	-0.013	-0.214	-0.052	-0.553	-0.031	1.004

Table I.18: Nutrient elasticities - 2009 (cont.)

Nutrient	Unit	Dairy & Eggs	Meat	Fish	Fruits & Nuts	Vegetables	Fats & Starches	Alcohol	Expenditure
Fructose	g	-0.112	0.010	-0.010	-0.273	-0.059	-0.483	-0.057	0.984
Sucrose	g	-0.134	-0.099	-0.021	-0.072	-0.020	-0.764	0.054	1.056
Maltose	g	-0.116	-0.128	-0.022	-0.053	-0.010	-0.778	0.041	1.066
Lactose	g	-0.361	-0.052	-0.039	-0.042	-0.051	-0.505	0.090	0.962
Other sugars	g	-0.158	-0.101	-0.026	-0.043	-0.062	-0.703	0.049	1.044
Total sugars	g	-0.149	-0.073	-0.020	-0.112	-0.033	-0.676	0.031	1.032
Non-milk extr sugars	g	-0.132	-0.100	-0.021	-0.071	-0.014	-0.769	0.052	1.057
Alcohol	g	0.110	-0.123	-0.065	-0.147	-0.124	0.332	-0.856	0.873
Fibre:Southgate	g	-0.111	-0.069	-0.019	-0.125	-0.090	-0.616	0.000	1.029
Fibre:Englyst	g	-0.113	-0.070	-0.019	-0.121	-0.097	-0.607	-0.001	1.028
Potassium	mg	-0.251	-0.092	-0.034	-0.076	-0.069	-0.497	0.033	0.986
Magnesium	mg	-0.250	-0.084	-0.033	-0.080	-0.053	-0.527	0.038	0.989
Copper	mg	-0.281	-0.075	-0.034	-0.076	-0.061	-0.498	0.047	0.978
Zinc	mg	-0.383	-0.092	-0.041	-0.045	-0.063	-0.391	0.071	0.945
Vitamin B6	mg	-0.277	-0.126	-0.035	-0.059	-0.064	-0.457	0.038	0.981
Vitamin B12	ug	-0.469	-0.039	-0.053	-0.040	-0.068	-0.326	0.091	0.905
Phosphorus	mg	-0.395	-0.065	-0.044	-0.048	-0.065	-0.395	0.075	0.937
Manganese	mg	-0.116	-0.098	-0.021	-0.089	-0.038	-0.718	0.029	1.050
Biotin	ug	-0.443	-0.021	-0.044	-0.063	-0.067	-0.362	0.084	0.915
Pantothenic acid	mg	-0.417	-0.052	-0.044	-0.050	-0.071	-0.353	0.063	0.924
Vitamin E	mg	-0.310	-0.055	-0.038	-0.062	-0.066	-0.504	0.065	0.970
Cholesterol	mg	-0.489	-0.022	-0.048	-0.043	-0.070	-0.329	0.099	0.902

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