

# **FSA Data Hackathon Briefing Pack**

## **Contents**

Agenda	2
Background Information	3
Q1 – Food Allergy & Intolerance Brief	4
Q2 – Food Safety Brief	9
Q3 – Trust in Food Brief	16
Additional Data (not provided)	21

## Agenda

Saturday 23<sup>rd</sup> November (08.30-19.30)

Microsoft Reactor, 70 Wilson Street, London, EC2A 2DB

08.30-09.00	Coffee and registration
09.00-09.30	Welcome and team set up
09.30-13.00	Hacking time
13.00-14.00	Lunch (provided)
14.00-18.00	Hacking time
18.00-19.00	Presentations
19.00-19.30	Judging and awards
19.30	Close

## Background Information

### About the FSA

The Food Standards Agency (FSA) is an independent Government department working across England, Wales and Northern Ireland to protect public health and consumers' wider interest in food.

The FSA is responsible for ensuring:

- Food is safe.
- Food is what it says it is.
- Consumers can make informed choices about what to eat.
- Consumers have access to an affordable healthy diet, now and in the future.

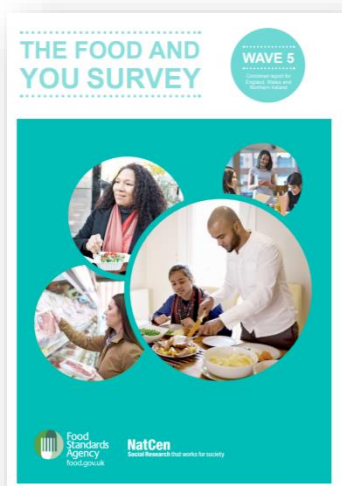


The FSA pledges to put consumers first in everything they do. As such, understanding consumers' attitudes, knowledge and behaviour in relation to food is of vital importance to the Agency.



### Food and You

Food and You is the FSA's flagship consumer survey measuring self-reported attitudes, behaviour and knowledge regarding food safety and other food-related issues (e.g. food allergies and intolerances, food security, eating out).



The survey is issued every 2 years to a random probability sample of approximately 3,000 adults (over 16) living in England, Wales and Northern Ireland.

The survey has been running since 2008 and five waves of data are now available.

The reports from the latest wave are available here:

<https://www.food.gov.uk/research/food-and-you/food-and-you-wave-five>

## Q1 - Food Allergy & Intolerance

*What, if any, are the linkages between food allergies and/or food intolerances and health and/or well-being?*

Food allergy  
& intolerance



### Background

The FSA is responsible for ensuring that food is **safe** and that consumers can make **informed choices** about what they eat. As such, one of the FSA's key priorities is understanding the experiences of consumers living with a food allergy and/or food intolerance (collectively referred to as '**food hypersensitivities**').

In the latest wave of Food and You, 12% of respondents reported having a food intolerance, 5% a food allergy and 5% reported having an 'other' type of adverse reaction to food<sup>1</sup>. The FSA is keen to explore the extent to which living with a food allergy and/ or intolerance is linked to health and/or well-being.

### Glossary

Food allergy	An immune response to a food-based allergen. Symptoms may be mild (for instance, itching and swelling), but in extreme cases can include anaphylactic shock with potentially fatal consequences.
Food intolerance	A condition in which an individual has difficulty in digesting certain foods or food components, (e.g., lactose), causing symptoms, such as abdominal pain, which do not involve the immune system.
Coeliac disease	A common digestive condition where the small intestine becomes inflamed and unable to absorb nutrients. This is caused by an adverse reaction to gluten. The symptoms of and treatments for Coeliac disease are medically and socially different from food allergies and intolerances so should be analysed separately.
Food hypersensitivity	A collective term used to describe food allergies and intolerances.
Key allergens	In the UK food businesses must declare if they use any of the 14 key allergens <sup>2</sup> as ingredients in the food and drink they provide.

<sup>1</sup><https://www.food.gov.uk/sites/default/files/media/document/foodandyouw5secondaryanalysis-consumerswithfoodhypersensitivities.pdf>

<sup>2</sup>Celery, cereals containing gluten (including wheat, rye, barley and oats), crustaceans (such as prawns, crabs and lobsters), eggs, fish, lupin, milk, molluscs (such as mussels and oysters), mustard, tree nuts (including almonds, hazelnuts, walnuts, brazil nuts, cashews, pecans, pistachios and macadamia nuts), peanuts, sesame seeds, soybeans, sulphur dioxide and sulphites (if they are at a concentration of more than ten parts per million).

## Core datasets (provided)

Data source	Details
Food and You Wave 5 (FSA)	<ul style="list-style-type: none"> <li>FSA's flagship consumer survey</li> <li>Measures consumers' self-reported attitudes, knowledge and behaviour regarding a range of food-related issues, including food allergies and intolerances</li> <li>Issued every 2 years to a random probability sample of approximately 3,000 adults (over 16) living in England, Wales and Northern Ireland</li> <li>We have provided data from the latest wave (wave 5) – we recommend you focus on using this dataset</li> <li>We have provided data as a csv file – however the data can be downloaded in different formats (e.g. SPSS) from the UK Data Service here (<i>please note you will need to register for a free account with the UK Data Service to access the data</i>):  <a href="https://beta.ukdataservice.ac.uk/datacatalogue/studies/study?id=8574#!/access-data">https://beta.ukdataservice.ac.uk/datacatalogue/studies/study?id=8574#!/access-data</a> </li> <li>A list of key variables is provided below however the full list of variables, copy of the questionnaire and other documentation can be found here:  <a href="https://beta.ukdataservice.ac.uk/datacatalogue/studies/study?id=8574#!/documentation">https://beta.ukdataservice.ac.uk/datacatalogue/studies/study?id=8574#!/documentation</a> </li> <li>Data for previous waves (1-4) can be accessed here if needed:  <a href="https://data.food.gov.uk/catalog/datasets/bd0f9ddf-11a9-4b38-96e6-8cb0aac30753">https://data.food.gov.uk/catalog/datasets/bd0f9ddf-11a9-4b38-96e6-8cb0aac30753</a> </li> </ul>
2018 Young People and Food Allergies and/or Intolerance survey (FSA)	<ul style="list-style-type: none"> <li>Survey of 2,599 young people (aged 16-24 years) living with a food allergy and/or food intolerance, conducted in 2018</li> </ul>
Allergy alerts (FSA)	<ul style="list-style-type: none"> <li>List of foods withdrawn or recalled between Jan 2016 and Dec 2018 due to there being a risk to consumers because the allergy labelling is missing or incorrect or if there is any other food allergy risk</li> </ul>
Subscriptions (FSA)	<ul style="list-style-type: none"> <li>Data on number of consumers who have subscribed to the FSA SMS allergy updates and the number of bulletins issued</li> </ul>

## Food and You – Key variables

Below is a list of the key variables regarding food allergies and intolerances, health and well-being. A full list of variables and a copy of the questionnaire is available here:

<https://beta.ukdataservice.ac.uk/datacatalogue/studies/study?id=8574#!/documentation>

For each variable, the following response codes have been used:

- 1 NA
- 8 Don't Know
- 9 Refused

Variable	Question	Response codes
<b>Food allergies/intolerance</b>		
AdReac	Do you ever suffer from an adverse reaction after consuming certain foods?	1 Yes 2 No
AvoidFd	Do you avoid any particular foods because of the adverse reaction they might cause?	1 Yes 2 No
FdReac1-18	Do you experience an adverse reaction to any of the following foods? <i>[List of 18 foods]</i>	0 Not mentioned 1 Mentioned
reacalle	How would you best describe your problem with [insert item]? <i>Food allergy</i>	
reacint	How would you best describe your problem with [insert item]? <i>Food intolerance</i>	
reaccoe	How would you best describe your problem with [insert item]? <i>Coeliac disease</i>	
reacnoc	How would you best describe your problem with [insert item]? <i>Non-coeliac gluten sensitivity</i>	
reacglu	How would you best describe your problem with [insert item]? <i>Gluten intolerance</i>	
reaclac	How would you best describe your problem with [insert item]? <i>Lactose intolerance</i>	
reacow	How would you best describe your problem with [insert item]? <i>Cow's milk intolerance</i>	
reacpi	How would you best describe your problem with [insert item]? <i>Food protein-induced enterocolitis syndrome (FPIES)</i>	
reacoth	How would you best describe your problem with [insert item]? <i>Other type of reaction</i>	
reacno	How would you best describe your problem with [insert item]? <i>No reaction</i>	
clinaller (derived)	How did you find out about your condition relating to [insert item]?	1 Clinically diagnosed allergy 2 No clinically diagnosed
clinint (derived)	How did you find out about your condition relating to [insert item]?	1 Clinically diagnosed intolerance 2 No clinically intolerance
Age[fooditem]	How old were you when you first started experiencing an adverse reaction to this food?	1 under 16 2 16-24

		3 25-34 4 35-44 5 45-54 6 55-64 7 65-74 8 75+
Q2_19	And does anyone in your household, other than you, have a food allergy?	1 Yes 2 No
<b>Health and well-being</b>		
Q6_1	How is your health in general? Is it...	1 Very good 2 Good 3 Fair 4 Bad 5 Very bad
Q6_2_W5	Do you have any physical or mental health conditions or illnesses lasting or expected to last for 12 months or more?	1 Yes 2 No
IIIAff1-96	Do any of these conditions or illnesses affect you in any of the following areas?	0 Not mentioned 1 Mentioned
Q6_4a	On a scale of 0-10, where 0 is not at all satisfied and 10 is completely satisfied, overall, how satisfied are you with your life nowadays? <sup>3</sup>	0-10
Q6_4b	On a scale of 0-10, where 0 is not at all worthwhile and 10 is completely worthwhile, overall, to what extent do you feel the things you do in your life are worthwhile?	
Q6_4c	On a scale of 0-10, where 0 is not at all happy and 10 is completely happy, overall, how happy did you feel yesterday?	
Q6_4d	On a scale of 0-10, where 0 is not at all anxious and 10 is completely anxious, overall, how anxious did you feel yesterday?	
ons_lifesat (derived)	Life satisfaction	1 Low 2 Medium 3 High 4 Very high
ons_worthw (derived)	Worthwhile	
ons_happy (derived)	Happiness	
ons_anxiety (derived)	Anxiety	1 Very low 2 Low 3 Medium 4 High

<sup>3</sup> These 4 well-being questions are harmonised questions developed by the Office for National Statistics (ONS). Further information about these measures can be found here: <https://www.ons.gov.uk/peoplepopulationandcommunity/wellbeing/methodologies/personalwellbeingssurveyuserguide>

For the purpose of this analysis, we suggest grouping respondents as follows:

Survey response	New grouping
Food allergy	Food allergy
Food intolerance	Food intolerance
Non-coeliac gluten sensitivity	
Gluten intolerance	
Lactose intolerance	
Cow's milk intolerance	
Food protein-induced enterocolitis syndrome (FPIES)	
Coeliac disease	Coeliac disease

## Useful links

- Food and You Wave 5 reports – <https://www.food.gov.uk/research/food-and-you/food-and-you-wave-five>
- Food and You Wave 5 data: <https://beta.ukdataservice.ac.uk/datacatalogue/studies/study?id=8574>
- Food and You Wave 5 data documentation: <https://beta.ukdataservice.ac.uk/datacatalogue/studies/study?id=8574#!/documentation>
- Food and You Secondary Analysis on Food Allergies and Intolerance - <https://www.food.gov.uk/sites/default/files/media/document/foodandyouw5secondaryanalysis-consumerswithfoodhypersensitivities.pdf>
- ONS well-being measure user guide - <https://www.ons.gov.uk/peoplepopulationandcommunity/wellbeing/methodologies/personalwellbeingsurveyuserguide>



## Q2 - Food Safety

***Does food insecurity impact on 'risky food behaviour'?***

Food safety



### Background

The FSA is responsible for ensuring that food is **safe** and that consumers have **access** to an affordable healthy diet, now and in the future.

In the latest wave of Food and You, 10% of respondents reported living in a food insecure household, 10% reported having marginal food security and 80% high food security<sup>4</sup>. The FSA is keen to understand the impact of food insecurity on risky food choices and behaviour.

### Glossary

Food security	Having physical and economic access to sufficient, safe and nutritious food that meets dietary needs and food preferences for an active and healthy life.
Food insecurity	Limited or uncertain availability of nutritionally adequate and safe foods or limited or uncertain ability to acquire acceptable foods in socially acceptable ways (e.g. without resorting to emergency food supplies, scavenging, stealing or other coping strategies).
4 C's of food hygiene	The four areas that good food hygiene should address: <ol style="list-style-type: none"> <li>1. <b>C</b>leaning</li> <li>2. <b>C</b>ooking</li> <li>3. <b>C</b>hilling</li> <li>4. avoiding <b>C</b>ross-contamination</li> </ol>
Index of Recommended Practice (IRP)	A composite measure developed for Food and You which indicates overall food hygiene knowledge and behaviours.

### Measuring household food security

In Food and You household food security is measured using a standardised set of questions developed by the United States Department of Agriculture Economic Research Service.

<sup>4</sup> <https://www.food.gov.uk/sites/default/files/media/document/food-and-you-wave5-combined-report-web-revised.pdf>

Respondents were asked to indicate whether the following statements were **often** true, **sometimes** true, or **never** true for in the last 12 months:

- *I worried my food would run out before I got money to buy more*
- *The food I bought just didn't last and I didn't have money to get more*
- *I couldn't afford to eat balanced meals*

They were also asked whether they/someone in their household had done any of the following because there wasn't enough money for food and how often this had happened (almost every month, some months but not every month, only 1 or 2 months):

- *Cut the size of their meals or skip meals*
- *Eaten less than they felt they should*
- *Gone hungry*
- *Lost weight*
- *Not eat for a whole day*

Responses were converted into a raw score out of 10 which were then categorised as shown below:

High	0	Household did not have problems or anxiety around getting enough food.
Marginal	1-2	At times these households had problems or anxiety around getting enough food, but the quality, variety, and quantity of their food did not fall significantly.
Low	3-5	These households did not substantially change the amount of food or their normal eating patterns, but did reduce the quality, variety, and desirability of their diets.
Very Low	6-10	During the last year the eating patterns and the amount of food eaten by one or more household members was disrupted because they did not have enough money or other resources for food.

## The Index of Recommended Practice

The FSA has developed an overall measure of food safety knowledge and behaviour known as the 'Index of Recommended Practice' (IRP). Questions were selected for the IRP because they mapped onto practices that, if not followed, were more likely to increase the risk of foodborne disease.

To calculate the score, each item is given a score of 1 for responses in line with recommended practice or 0 for responses not in line with recommended practice.

The overall score is then converted to a score out of 100 with a higher score indicating more reported behaviours that are in line with recommended food safety practice. The average IRP score in Wave 5 was 67.

## Core datasets (provided)

Data source	Details
Food and You Wave 5 (FSA)	<ul style="list-style-type: none"> <li>FSA's flagship consumer survey</li> <li>Measures consumers' self-reported attitudes, knowledge and behaviour regarding a range of food-related issues, including food safety knowledge and behaviour and food security.</li> <li>Issued every 2 years to a random probability sample of approximately 3,000 adults (over 16) living in England, Wales and Northern Ireland</li> <li>We have provided data from the latest wave (wave 5) – we recommend you focus on using this dataset</li> <li>We have provided data as a csv file – however the data can be downloaded in different formats (e.g. SPSS) from the UK Data Service here (<i>please note you will need to register for a free account with the UK Data Service to access the data</i>):  <a href="https://beta.ukdataservice.ac.uk/datacatalogue/studies/study?id=8574#!/access-data">https://beta.ukdataservice.ac.uk/datacatalogue/studies/study?id=8574#!/access-data</a> </li> <li>A list of key variables is provided below however the full list of variables, copy of the questionnaire and other documentation can be found here:  <a href="https://beta.ukdataservice.ac.uk/datacatalogue/studies/study?id=8574#!/documentation">https://beta.ukdataservice.ac.uk/datacatalogue/studies/study?id=8574#!/documentation</a> </li> <li>Data for previous waves (1-4) can be accessed here if needed:  <a href="https://data.food.gov.uk/catalog/datasets/bd0f9ddf-11a9-4b38-96e6-8cb0aac30753">https://data.food.gov.uk/catalog/datasets/bd0f9ddf-11a9-4b38-96e6-8cb0aac30753</a> </li> </ul>
Household expenditure: Food and Drink (ONS)	<ul style="list-style-type: none"> <li>% of household expenditure on food and drink</li> <li>Reported quarterly</li> <li>Extensive time-series available</li> </ul>
Household expenditure by disposable income (ONS)	<ul style="list-style-type: none"> <li>Average weekly household expenditure (£) by disposable income decile</li> <li>Category for food and non-alcoholic drinks</li> <li>Data available for 2016-2018</li> </ul>
Family Food (Department for Environment, Food and Rural Affairs, Defra)	<ul style="list-style-type: none"> <li>Family Food is a module sponsored by Defra which is incorporated into the the Living Costs and Food Survey run by the Office for National Statistics (ONS).</li> <li>It collects detailed quantity and expenditure information on food and drinks and household purchases.</li> <li>We have provided data for (i) nutrition from food eaten out and (ii) nutrition from food purchased by income percentile</li> </ul>

	<ul style="list-style-type: none"> <li>Additional datasets are available here: <a href="https://www.gov.uk/government/statistical-data-sets/family-food-datasets">https://www.gov.uk/government/statistical-data-sets/family-food-datasets</a></li> </ul>
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## Food and You – Key variables

Below is a list of the key variables regarding food allergies and intolerances, health and well-being. A full list of variables and a copy of the questionnaire is available here:

<https://beta.ukdataservice.ac.uk/datacatalogue/studies/study?id=8574#!/documentation>

-1 NA

-8 Don't Know

-9 Refused

Variable	Question	Response codes
<b>Food security</b>		
Worried	I/We worried whether My/Our food would run out before I/We got money to buy more. Was that often true, sometimes true, or never true for you/your household in the last 12 months?	1 Often true 2 Sometimes true 3 Never true
Fdlast	The food that I/We bought just didn't last, and I/We didn't have money to get more. Was that often, sometimes, or never true for you/your household in the last 12 months?	
HealthyFd	I/We couldn't afford to eat balanced meals.' Was that often true, sometimes true, or never true for you/your household in the last 12 months?	
SkipMeal	In the last 12 months, did you/your household ever cut the size of your meals or skip meals because there wasn't enough money for food?	1 Yes 2 No
SkipOft	How often did this happen?	1 Almost every month 2 Some months but not every month 3 Only 1 o 2 months
EatLess	In the last 12 months, did you ever eat less than you felt you should because there wasn't enough money for food?	1 Yes 2 No

Hungry	In the last 12 months, were you ever hungry but didn't eat because there wasn't enough money for food?	
WtLoss	In the last 12 months, did you lose weight because there wasn't enough money for food?	
NotEat	In the last 12 months, did you/your household ever not eat for a whole day because there wasn't enough money for food?	
NotEatOf	How often did this happen?	1 Almost every month 2 Some months but not every month 3 Only 1 o 2 months
Fdsecraw (derived)	Food security raw score	0-10
Fdsecstatus (derived)	Food security status	1 High 2 Marginal 3 Low
Q3_131-1312	Have you made any of these changes in the last 12 months for financial reasons? 1. Eaten at home more 2. Cooked at home more 3. Eaten fewer takeaways 4. Eaten out less 5. Made packed lunches more 6. Bought items that were on special offer more 7. Changed the places you buy food for cheaper alternatives 8. Changed the food you buy to cheaper alternatives 9. Prepared food that could be kept as leftovers more 10. Kept leftovers for longer before eating 11. Eaten food past its use-by-date more 12. None of these	0 Not mentioned 1 Mentioned
Q4_8a	Do you have the use of a kitchen, that is, a separate room in which you cook?	1 Yes 2 No
Q4_8c1-10	Which of the following appliances do you have in your household?	0 Not mentioned 1 Mentioned
<b>Food safety</b>		
q4_1_11rp	Wash hands before I start preparing or cooking food	0 Other 1 Always (recommended)
q4_1_12rp	Wash hands after handling raw meat/fish	0 Other 1 Always (recommended)
q4_1_13rp	Cook food to steaming hot	0 Other

		2 Always (recommended)
q4_1_14rp	Eat chicken or turkey if the meat is pink or has pink or red juices	0 Other 1 Never (recommended)
q4_10rp	How often do you or another person in your household check the temperature of the fridge?	1 At least daily 2 2-3 times a week 3 Once a week 4 Less than once a week but more than once a month 5 Once a month 6 4 times a year 7 Once or twice a year 8 Never/less often 9 Don't need to – has an alarm 10 Can't remember
q22rp	Do you check use by dates when you are about to cook or prepare food?	0 Other 1 Yes (recommended)
Q4_2701	I always avoid throwing food away	1 Definitely agree 2 Tend to agree 3 Neither agree nor disagree 4 Tend to disagree 5 Definitely disagree
Q4_2705	I often worry about whether the food I have is safe to eat	
Q4_2710	When preparing food I could be more careful about hygiene	
Q4_28	Have you personally ever had food poisoning?	1 Yes, more than once 2 Yes once
Q4_26b	Have you had food poisoning in the last year?	3 I think so 4 No
Q4_28a	Did you see a doctor or go to hospital because of it?	1 Yes 2 No
Q4_27b	Was it medically diagnosed as food poisoning?	
Q4_27c	Do you remember what type of food poisoning you had?	1 Campylobacter 2 Salmonella 3 E coli 4 Listeria 5 Viral food poisoning 7 No, can't remember
Q4_28b1-8	In response to when you had food poisoning have you done any of the following: 1. Tried to get more information about the issue 2. Read food labels more carefully 3. Changed the way you cook food 4. Changed the way you prepare food 5. Stopped eating certain foods	0 Not mentioned 1 Mentioned

	6. Stopped eating at certain food establishments 7. Other 8. Took no action	
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## Useful links

- Food and You Wave 5 reports: <https://www.food.gov.uk/research/food-and-you/food-and-you-wave-five>
- Food and You Wave 5 data: <https://beta.ukdataservice.ac.uk/datacatalogue/studies/study?id=8574>
- Food and You Wave 5 data documentation: <https://beta.ukdataservice.ac.uk/datacatalogue/studies/study?id=8574#!/documentation>
- US Department of Agriculture measure of household food security: <https://www.ers.usda.gov/topics/food-nutrition-assistance/food-security-in-the-us/survey-tools.aspx#adult>

## Q3 - Trust in Food

*What are the key drivers of trust in food?*

Trust in food



### Background

In 2015 the FSA published its 2015-2020 *Food You Can Trust* strategic plan which describes how the Agency will help to ensure that consumers can trust that the food they buy is **safe to eat** but also **what it says it is**<sup>5</sup>.

Since 2015, the FSA has commissioned two research projects on trust which included a rapid evidence review and deliberative forums<sup>6</sup>. The FSA has also incorporated questions on trust into the Agency's biannual Public Attitudes Tracker<sup>7</sup> as well as Wave 5 of Food and You.

Earlier in the year, the FSA published secondary analysis of the trust questions included in Food and You however the FSA is now keen to understand the drivers of trust in food in more detail drawing on data from both Food and You and the Public Attitudes Tracker<sup>8</sup>.

### Measuring trust

In 2017 the Organisation for Economic Co-operation and Development (OECD) published their Guidelines on Measuring Trust to try and improve existing measures of trust used in surveys<sup>9</sup>.

These guidelines were used to inform the development of a series of new trust questions which were added to Wave 5 of Food and You survey, covering:

- Authenticity (that food is what it says it is)
- Trust in the food system (the production, distribution and sale of food)
- Trust in food regulation (that food is regulated effectively to protect consumers)
- Trust in the FSA itself as a department

<sup>5</sup> <https://www.food.gov.uk/sites/default/files/media/document/FSA-Strategic-plan-2015-2020.pdf>

<sup>6</sup> <https://www.food.gov.uk/research/research-projects/trust-in-a-changing-world>

<sup>7</sup> <https://www.food.gov.uk/about-us/biannual-public-attitudes-tracker>

<sup>8</sup> [https://www.food.gov.uk/sites/default/files/media/document/foodandyou\\_wave5\\_trust-paper\\_v8-final\\_0.pdf](https://www.food.gov.uk/sites/default/files/media/document/foodandyou_wave5_trust-paper_v8-final_0.pdf)

<sup>9</sup> <http://www.oecd.org/governance/oecd-guidelines-on-measuring-trust-9789264278219-en.htm>



## Trust in food businesses – the Food Hygiene Rating Scheme

In 2010 the FSA launched the national Food Hygiene Rating Scheme (FHRS) in partnership with Local Authorities and businesses across England, Wales and Northern Ireland.

The scheme gives businesses a rating from 5 to 0 which is displayed at their premises and online to help people make more informed choices about where to buy and eat food.

By recognising businesses with good standards, it also acts as an incentive for businesses with lower standards to make improvements. The overall aim of the scheme is to improve hygiene standards of food establishments and reduce the incidence of food-borne illness.



Businesses in England are encouraged, although not legally required, to display these ratings, whereas in Wales and Northern Ireland display of FHRS ratings is mandatory.

More information about the scheme is available on the FSA website:

<https://www.food.gov.uk/safety-hygiene/food-hygiene-rating-scheme>

### Core datasets (provided)

Data source	Details
Food and You Wave 5 (FSA)	<ul style="list-style-type: none"> <li>FSA's flagship consumer survey</li> <li>Measures consumers' self-reported attitudes, knowledge and behaviour regarding a range of food-related issues, including trust in the FSA and in the food supply chain.</li> <li>Issued every 2 years to a random probability sample of approximately 3,000 adults (over 16) living in England, Wales and Northern Ireland</li> <li>We have provided data from the latest wave (wave 5) – we recommend you focus on using this dataset</li> <li>We have provided data as a csv file – however the data can be downloaded in different formats (e.g. SPSS) from the UK Data Service here (<i>please note you will need to register for a free account with the UK Data Service to access the data</i>): <a href="https://beta.ukdataservice.ac.uk/datacatalogue/studies/study?id=8574#!/access-data">https://beta.ukdataservice.ac.uk/datacatalogue/studies/study?id=8574#!/access-data</a></li> <li>A list of key variables is provided below however the full list of variables, copy of the questionnaire and other documentation can</li> </ul>

	<p>be found here:  <a href="https://beta.ukdataservice.ac.uk/datacatalogue/studies/study?id=8574#!/documentation">https://beta.ukdataservice.ac.uk/datacatalogue/studies/study?id=8574#!/documentation</a></p> <ul style="list-style-type: none"> <li>Data for previous waves (1-4) can be accessed here if needed:  <a href="https://data.food.gov.uk/catalog/datasets/bd0f9ddf-11a9-4b38-96e6-8cb0aac30753">https://data.food.gov.uk/catalog/datasets/bd0f9ddf-11a9-4b38-96e6-8cb0aac30753</a></li> </ul>
Public Attitudes Tracker (FSA)	<ul style="list-style-type: none"> <li>FSA's biannual tracker survey</li> <li>Monitors changes in consumer attitudes and awareness of the FSA and food-related issues</li> <li>Includes questions on confidence in food safety and authenticity</li> <li>We have provided data (csv) from the last 3 waves of the tracker (May 18, Nov 18 and May 19) plus a code book explaining what the variables mean in each wave.</li> <li>The excel data tables are also available here:  <a href="https://data.food.gov.uk/catalog/datasets/f4b88195-e544-4cc1-bab5-83eebe1cc9e8">https://data.food.gov.uk/catalog/datasets/f4b88195-e544-4cc1-bab5-83eebe1cc9e8</a></li> <li>The reports are available here: <a href="https://www.food.gov.uk/about-us/biannual-public-attitudes-tracker">https://www.food.gov.uk/about-us/biannual-public-attitudes-tracker</a></li> </ul>
Food Hygiene Rating Scheme (FHRS) Data (FSA)	<ul style="list-style-type: none"> <li>The FHRS scheme gives businesses a rating from 5 to 0 which is displayed at their premises and online to help people make more informed choices about where to buy and eat food.</li> <li>We have provided a list of registered food businesses with name, address, and FHRS rating</li> </ul>
2018 Young People and Food Allergies and/or Intolerance survey (FSA)	<ul style="list-style-type: none"> <li>Survey of 2,599 young people (aged 16-24 years) living with a food allergy and/or food intolerance, conducted in 2018</li> </ul>

## Food and You – Key variables

Below is a list of the key variables regarding food allergies and intolerances, health and well-being. A full list of variables and a copy of the questionnaire is available here:

<https://beta.ukdataservice.ac.uk/datacatalogue/studies/study?id=8574#!/documentation>

-1 NA

-8 Don't Know

-9 Refused

Variable	Question	Response codes
D1	If you were buying food and groceries in Britain, how sure or unsure would you be that you know where the food has come from?	1 Very sure 2 Quite sure

D2	If you were buying food and groceries in Britain, how sure or unsure would you be that the food that comes from Britain has been prepared to the highest quality standards?	3 Neither sure nor unsure 4 Quite unsure 5 Very unsure
D3	If you were buying food and groceries in Britain, how sure or unsure would you be that the food that comes from abroad has been prepared to the highest quality standards?	1 Definitely agree 2 Tend to agree 3 Neither agree nor disagree
D4	If you were buying food and groceries in Britain, how sure or unsure would you be that all the guidelines have been properly followed at all stages in bringing food from the farm to your house?	4 Tend to disagree 5 Definitely disagree
D5	If you were buying food and groceries in Britain, how sure or unsure would you be that foods bought for your household are safe to eat?	
Label	In general, when buying or eating food, how often do you feel confident that it is what is says it is on the label or the menu?	
Q4_2702	I am unlikely to get food poisoning from food prepared in my own home	1 Definitely agree 2 Tend to agree
Q4_2703	If you eat out a lot you are more likely to get food poisoning	3 Neither agree nor disagree
Q4_2704	Restaurants and catering establishments should pay more attention to food safety and hygiene	4 Tend to disagree 5 Definitely disagree
Q4_2705	I often worry about whether the food I have is safe to eat	

## Useful links

- Food and You Wave 5 reports: <https://www.food.gov.uk/research/food-and-you/food-and-you-wave-five>
- Food and You Wave 5 data: <https://beta.ukdataservice.ac.uk/datacatalogue/studies/study?id=8574>
- Food and You Wave 5 data documentation: <https://beta.ukdataservice.ac.uk/datacatalogue/studies/study?id=8574#!/documentation>
- Food and You Wave 5 Secondary Analysis on Trust: [https://www.food.gov.uk/sites/default/files/media/document/foodandyou\\_wave5\\_trust-paper\\_v8-final\\_0.pdf](https://www.food.gov.uk/sites/default/files/media/document/foodandyou_wave5_trust-paper_v8-final_0.pdf)
- Public Attitudes Tracker reports: <https://www.food.gov.uk/about-us/biannual-public-attitudes-tracker>

- Public Attitudes Tracker data tables:  
<https://data.food.gov.uk/catalog/datasets/f4b88195-e544-4cc1-bab5-83eebe1cc9e8>

## Additional Datasets Available (not provided)

### FSA Data

<https://data.food.gov.uk/catalog>

Data set	Description	Link
Social media searches	FSA online and social data streams for pre-determined search topics	<a href="https://data.food.gov.uk/catalog/datasets/06a02c21-5675-4401-ae66-daba845ce788">https://data.food.gov.uk/catalog/datasets/06a02c21-5675-4401-ae66-daba845ce788</a>
Food Hygiene Rating Scheme Website traffic	A breakdown of the Food Hygiene Ratings website traffic data showing total number of visits, unique visitors and page views	<a href="https://data.food.gov.uk/catalog/datasets/81628871-423d-4639-96c7-cebadec01563">https://data.food.gov.uk/catalog/datasets/81628871-423d-4639-96c7-cebadec01563</a>

### UK Data Service

<https://www.ukdataservice.ac.uk/>

Data set	Description	Link
British Social Attitudes	An annual survey designed to monitor changes in attitudes towards a range of social issues over time.	<a href="https://beta.ukdataservice.ac.uk/datacatalogue/series/series?id=200006">https://beta.ukdataservice.ac.uk/datacatalogue/series/series?id=200006</a>
National Diet and Nutrition Survey	A UK survey of the food consumption, nutrient intakes and nutritional status of people aged 1.5 years and older.	<a href="https://beta.ukdataservice.ac.uk/datacatalogue/series/series?id=2000033#!/abstract">https://beta.ukdataservice.ac.uk/datacatalogue/series/series?id=2000033#!/abstract</a>
Understanding Society	A UK survey designed to understand social and economic change in Britain at the household and individual levels.	<a href="https://beta.ukdataservice.ac.uk/datacatalogue/series/series?id=2000053">https://beta.ukdataservice.ac.uk/datacatalogue/series/series?id=2000053</a>
Health Survey for England	An annual survey designed to monitor trends in the nation's health.	<a href="https://beta.ukdataservice.ac.uk/datacatalogue/series/series?id=2000021">https://beta.ukdataservice.ac.uk/datacatalogue/series/series?id=2000021</a>

### Other

Data set	Description	Link
Trussell Trust – End of Year Stats	Statistics on food bank usage	<a href="https://www.trusselltrust.org/news-and-blog/latest-stats/end-year-stats/">https://www.trusselltrust.org/news-and-blog/latest-stats/end-year-stats/</a>