

Reformulating Scotland's Food & Drink

Food & Drink Federation Scotland:

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Hosted by: Joanne Burns

Presenters: David Craig

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Today's Presenters









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Why Should Businesses Reformulate Their Products?



Health & Wellbeing Rise of Lifestyle Diseases One fifth of all adults worldwide will be obese by 2025

Consumer concerns about **Sugar and Salt** quantities in food in particular

69% of Consumers think Food Manufactures have a responsibility to make unhealthy food healthy

Scotland's Health: Most Scottish people consider their health to be good

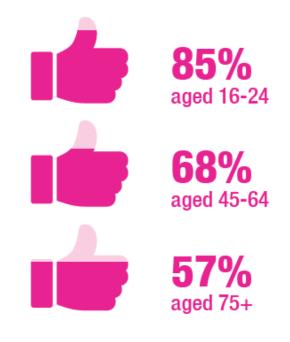




71% of adults, in 2018, described their health as 'good' or 'very good', the lowest recorded since 2008.

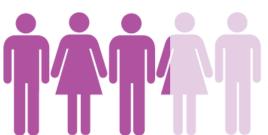
TATATATATA

94% of children described their health as 'good' or 'very good', with little change from previous years. Adults who assessed their general health to be 'good' or 'very good' varied by age:



Scotland's Health: However, the majority are also overweight





In 2018, **two thirds** (65%) of adults were overweight, including...

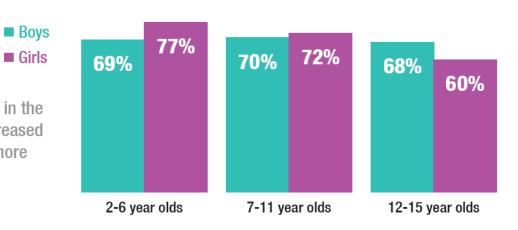


28% who were obese, with both these trends remaining stable since 2008.

A greater proportion of men were overweight or obese than women.



The proportion of children in the healthy weight range decreased by age; this pattern was more pronounced for girls.



BMI increased significantly with age for both men and women.

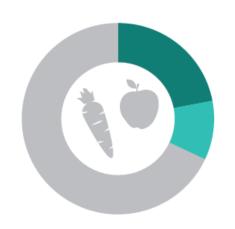


Source: Scottish Government: The Scottish Health Survey 2018

Scotland's Health: And vegetable consumption is low

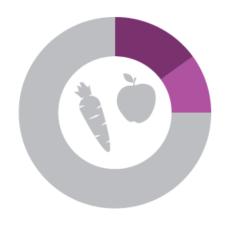


In 2018, **22% of adults** met the 5-a-day recommendation, which is fairly consistent with results since 2003. **10%** did not consume any fruit or vegetables on previous day.



Average consumption of fruit and vegetables has also remained fairly constant since 2008.

15% of children met the 5-a-day recommendation. 10% of children did not consume any fruit or vegetables on previous day.





Source: Scottish Government: The Scottish Health Survey 2018

The Program



Funded by Scottish Government through the A Healthier Future strategy

 To support SMEs in Scotland to reformulate commonly consumed products for maximum impact on dietary health.

- Based on the Scottish Dietary goals
- 95% of food and drink businesses in Scotland are SMEs
- Open to all not just FDFS membership
- Connector function: <u>Free</u> bespoke advice & support, links with funding and innovation specialists.



Whole food system approach



Ingredient > Producers > Wholesalers > Procurement > Retail/Food Service > Consumer



The Challenge...



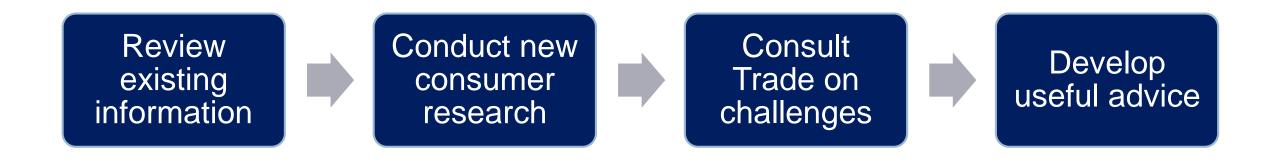
Practical challenges & considerations

- Why should I change?
- What is in it for me?
- Where do I start?
- Who will help me?
- How do I do it?



What we've been working on







Consumer Attitudes

What do they think about reformulating products?

Clair Prior

Methodology







Sample Size

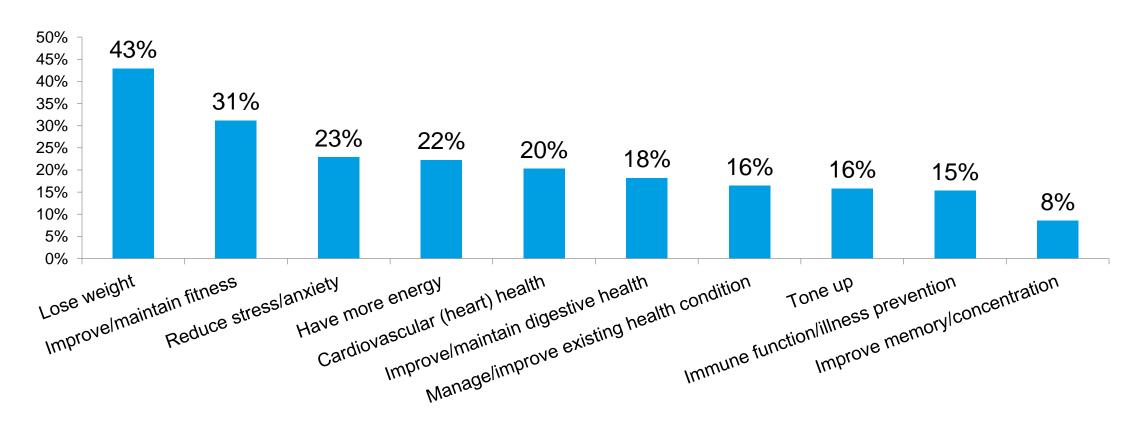
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Across a representative sample of Scottish adults

(Gender, Age, Social Grade, Region)

Top 10 Health Goals

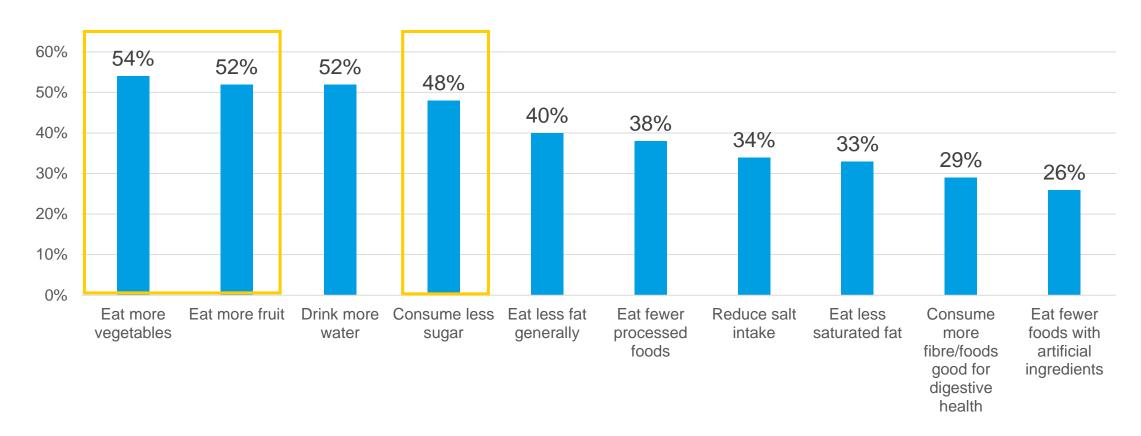




Most Scottish adults have some sort of health goal, only 11% do not. Losing weight and improving/maintaining fitness are the top 2 health goals.

Top 10, Ways Trying to Eat/Drink More Healthily

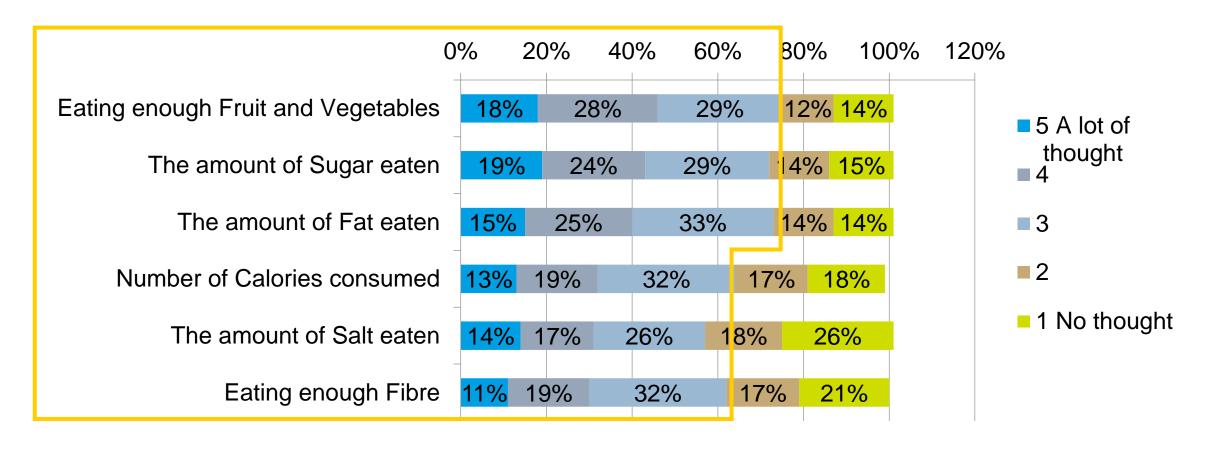




Similarly most Scottish adults are trying to do something to eat more healthily. Eating more fruit & vegetables and consuming less sugar are most strived for.

Thought Given to the Following on a Daily Basis

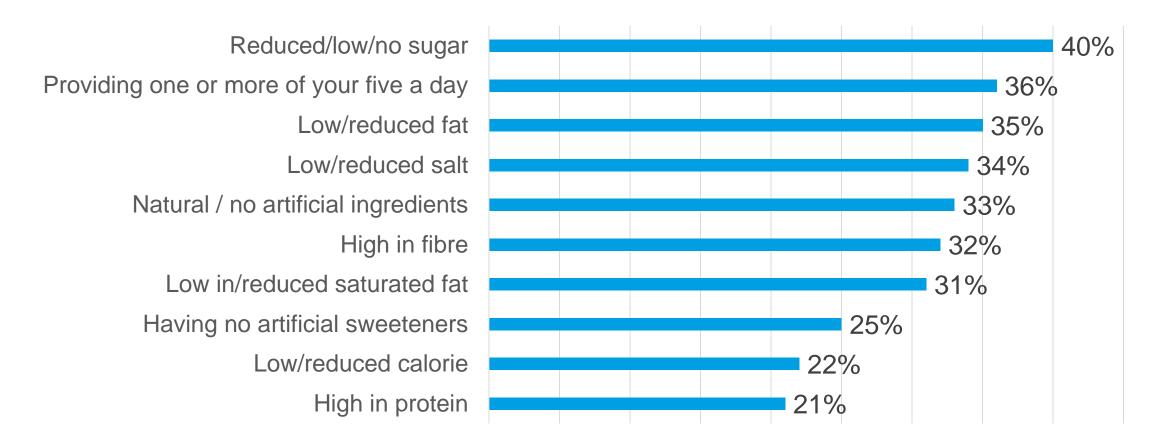




Few are giving **no** thought to the amount they are eating of these foods or nutrients.

Top 10, Types of Food & Drink Products Actively Looked For/Purchased





A significant proportion are actively looking for food & drink products to support their goals.

Changes in Amounts Purchased vs. a Few Years Ago, Selected Categories



	Confectionery	Ready Meals & Pizza	Savoury snacks/crisps	Sweet Bakery	Pastry based meat pies, quiches & pasties
More	21%	17%	20%	19%	12%
Less	14%	16%	14%	21%	20%
The Same	65%	67%	66%	61%	67%

For most categories the amount purchased remains unaltered significantly.

Base: Mixed, based on categories normally purchased.

Do Scottish Consumers Think They Are Eating the Right Amount of Salt, Sugar, Fat & Calories?



	Salt	Sugar	Fat	Calories
Less than guidelines	30%	35%	24%	14%
Equal to guidelines	44%	32%	47%	50%
More than guidelines	17%	26%	20%	26%
Don't know	9%	7%	9%	10%

Most Scottish adults feel they personally are eating less than or equal to the recommended guidelines for salt, sugar, fat & calories.

Do Scottish Consumers Think They Are Eating the Right Amount of Fruit & Vegetables and Fibre?



	Fruit & Veg	Fibre
Less than guidelines	25%	17%
Equal to guidelines	41%	51%
More than guidelines	29%	20%
Don't know	5%	11%

Similarly, the majority feel they are eating equal to or more than the recommended amount of fruit & vegetables and fibre.

Attitudes to Diet – Summary



Many Scottish adults want to or are actively trying to improve their diet.

There is a disconnect between goals & reality. The majority of Scottish adults are not eating according to dietary guidelines.

A key barrier is awareness of own diet. Most Scottish adults think that they eat according to dietary guidelines on salt, sugar, fat, calories, fruit & vegetables and fibre.

Only a minority have made significant changes to what they eat. This supports the need for reformulation.



Consumer Profiles

Understanding who we're reformulating for

David Craig

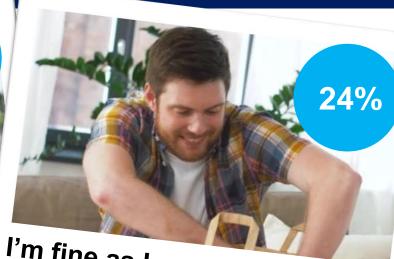
Who are we Reformulating for?











I'm fine as I am, thanks





The trying but need help-ers





The trying but need help-ers



Recognise diet is not perfect

Support Government action to improve the healthiness of food products

Support reformulation

Want to lose weight

Support reformulation as will benefit society & themselves

Buying confectionery, prepared meals/pizza, savoury snacks, cooked meats & bakery more frequently than average.

Actively look for low/reduced sugar products

Recognise they are buying more sweet products than they were (e.g. confectionery)

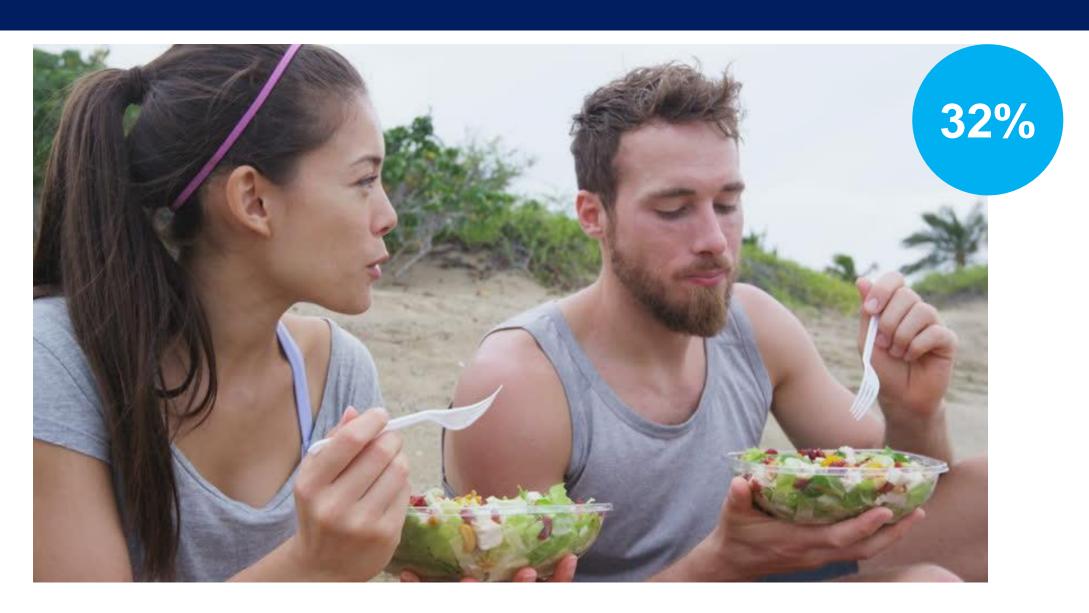
Give most thought to the amount of sugar and fruit & vegetables they are eating

1	2%

Profile		
Male	47%	
Female	53%	
18-34	23%	
35-44	19%	
45-54	24%	
55-64	21%	
65+	14%	
ABC1	61%	
C2DE	39%	
Children in		
home	32%	

The Confident Eaters





The Confident Eaters



Believe own diet is good

Support Government action to improve the healthiness of food products

Support reformulation

Support reformulation as will benefit the nation's health

Significantly more likely than average to be thinking about the nutrition of what they are eating on a daily basis

Trying to improve/maintain good diet e.g. trying to eat more fibre and fruit & veg, less sugar, fat, salt, and processed foods

Buying confectionery, sweet bakery, savoury snacks (crisps) and prepared meals/pizza less often than average. Actively looking for products that offer these nutritional benefits.

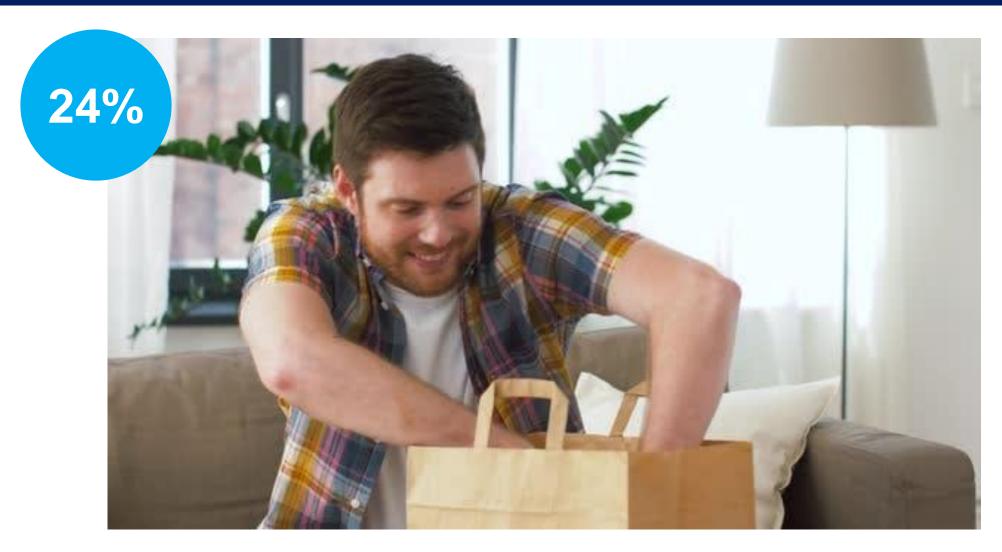
Above average awareness of initiatives to make food healthier



Profile		
Male	53%	
Female	47%	
18-34	17%	
35-44	16%	
45-54	17%	
55-64	20%	
65+	29%	
ABC1	62%	
C2DE	38%	
Children in		
home	29%	

I'm fine as I am, thanks





I'm fine as I am, thanks



Varied perceptions of own diet

Do not support
Government action to
improve the healthiness of
food products

Majority feel brands should do nothing to support healthy eating

24%

Believe it is up to the individual to choose what they eat

Less likely than the average to be making active steps to make their diet healthier

Less likely to look for products with positive nutritional claims e.g. low sugar or high fibre

Few if any personal health goals

Less likely than average to be think about the nutritional content of the food they are eating on a daily basis

Buying many food products more frequently than average e.g. confectionery, meals/pizza, meats

Profile		
Male	57%	
Female	43%	
18-34	22%	
35-44	13%	
45-54	18%	
55-64	22%	
65+	24%	
ABC1	43%	
C2DE	57%	
Children in		
home	32%	

The Hesitants





The Hesitants



Varied perceptions of own diet

Mixed views on the role of brands & the Government in supporting healthy eating

Generally support the Scottish Government's role in encouraging food businesses to make foods healthier

Main reason for supporting is to improve the health of society

But ultimately believe it is up to the individual what they choose to eat.

Less likely to look for products with positive nutritional claims e.g. low sugar or high fibre

Less likely than the average to be making active steps to make their own diet healthier

Lower than average awareness of initiatives to support healthy eating

Buying prepared meals/pizza, processed meats and vegetarian savouries less frequently than average



Profil <u>e</u>		
Male	56%	
Female	44%	
18-34	26%	
35-44	18%	
45-54	14%	
55-64	21%	
65+	22%	
ABC1	55%	
C2DE	45%	
Children in		
home	36%	

I'm making a change





I'm making a change



Varied perceptions of own diet

Agree in principle with
Government action
improve the healthiness of
food products

Support action to encourage better diet and healthy eating

However, would prefer new products than changing existing (reformulation or reduced portion size)

Improving/maintaining fitness more important than average

Trying to improve/maintain good diet e.g. trying to eat more fibre and fruit & veg, less sugar, fat, salt, and processed foods

Actively looking for products that offer these nutritional benefits

Most households with children believe that their children are eating within dietary guidelines

Comparatively high awareness of initiatives to make diets healthier

1	8%

Profile		
Male	44%	
Female	56%	
18-34	33%	
35-44	16%	
45-54	15%	
55-64	17%	
65+	20%	
ABC1	56%	
C2DE	44%	
Children in		
home	41%	

Which consumer is most likely to be yours?











I'm fine as I am, thanks







And what was Industry saying?

What were our knowledge gaps?

David Craig

Profile of Businesses



A wide range of businesses responded to the survey:

Where Products are Sold

Scotland	41
Rest of the UK	26
Ireland	11
Mainland Europe	13
Rest of the World	15

Turnover

£99k or less	2
£100k to £499k	9
£500k to £999k	5
£1m to £4m	8
£5m or more	16
Prefer not to say	2

Food Categories

Savoury & sweet bakery	12	Cheese	4
Biscuits & cereal bars	6	Ice-cream	3
Pastry based meat pies, quiches, flans, rolls & pasties	14	Dairy based chilled desserts	2
Pastry based vegetarian & vegan savouries	3	Confectionery	4
Cooked & cured meat & meat snacks	8	Ambient savoury snacks (e.g. crisps, savoury biscuits)	5
Fresh meat	7	Pizza & prepared meals	6
Other (Non pastry based vegan ready to eat meals, plant-based meat, jam & chutney, sandwiches)			4

There are success stories



The research suggests that the majority of companies are taking some action to make their products healthier.

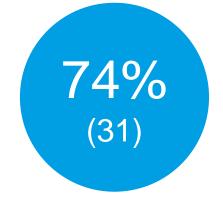
Reformulation is the most frequent route.

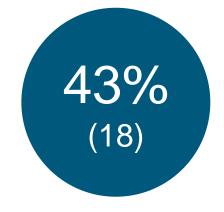
Have tried to reformulate, or are in the process of doing so

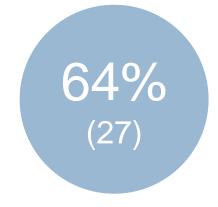
Have tried to reduce portion sizes, or are in the process of doing so

Have introduced new products, or are in the process of doing so

None





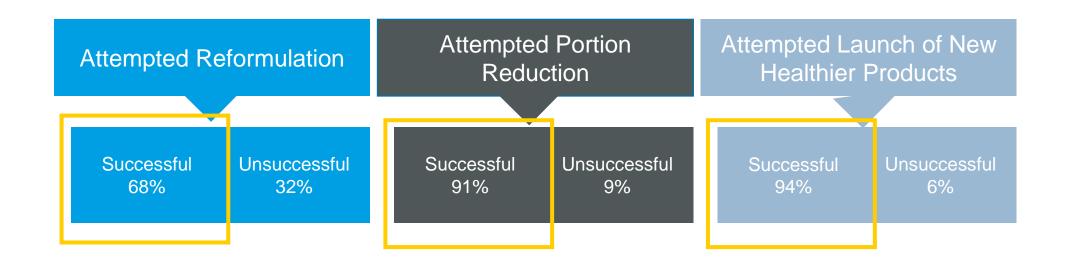




Many who have tried, have succeeded



And for most part, this has been successful.



Taste and Cost are key



Top 3 challenges in reformulating

Achieving comparable taste 65%

Cost of alternative ingredients 58%

Achieving comparable mouthfeel/ Texture 52%

Top 3 things consumers judge reformulation on



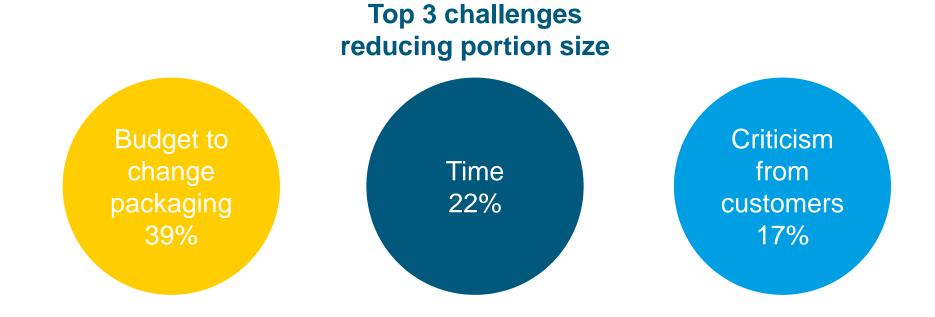
ingredients

Taste and cost of ingredients are the biggest barriers to reformulating....also the top 2 considerations for consumers.

Highlighting potentially where businesses may need most support.

Packaging stock is a barrier

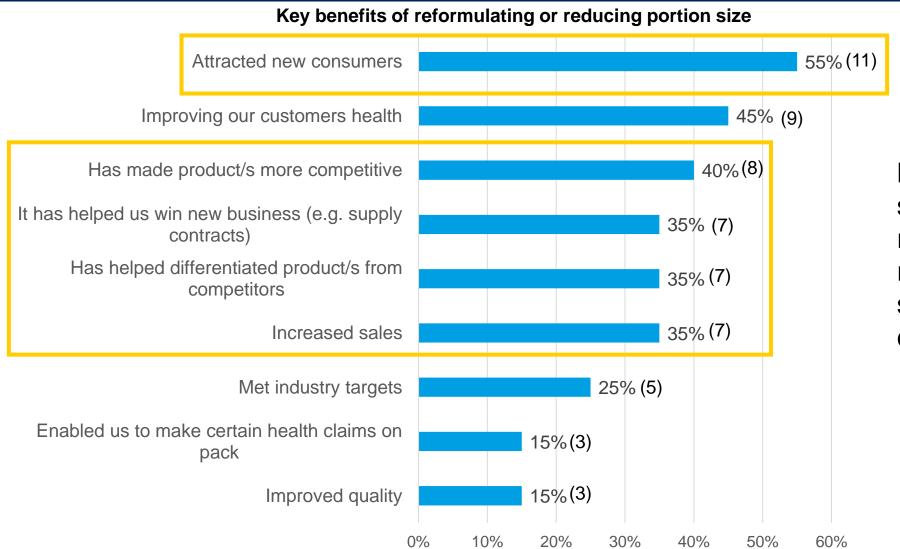




To help companies reduce portion sizes, support may be needed to change packaging.

There are commercial benefits





(Number of respondents)

Businesses
successfully
reformulating or
reducing portion
sizes have seen
commercial gains

Source: Levercliff Sector Survey July 2020, Base 20

Additional Help and Advice to Reformulate



What external help	Total	Currently trying	Unsuccessful	Successful
Food technologist	9	5	1	4
Consultant	7	2	1	4
FDF advice	4	2	1	1
Another business that had successfully reformulated/reduced portion sizes	2	1	0	1
Other (local council, marketing consultancy/opportunity and Ingredients suppliers)	3	2	0	1
None	15	4	5	8

Many businesses are not seeking advice:

- -5 out of the 7 suppliers who were unsuccessful did not seek any external advice.
- -8 out of the 15 suppliers who were successful

Company size is not necessarily a barrier



Number of companies successfully or unsuccessfully reformulating within the survey by turnover

	Reformulated		
Turnover	Successfully	Unsuccessfully	
£99k or less	1	0	
£100k to £499k	4	1	
£500k to £999k	2	1	
£1m to £4m	2	3	
£5m or more	6	2	

What have businesses done?



Reformulated	Number of Mentions
Reduced salt	8
Reduced sugar	6
Reduced fat	5
Other (e.g. switched to no palm oil, introduced GF)	4
Added fibre	2
Reduced calories	2
Added veg	1

Launching new healthier products



Nearly two-thirds of companies had introduced new healthier products, with a high degree of success

Developed and launched new healthier product/s to add to existing range

Currently trying to do so 12 (29%)

Have tried 17 (40%)

Not tried 15 (36%)

Successful 94% (16)

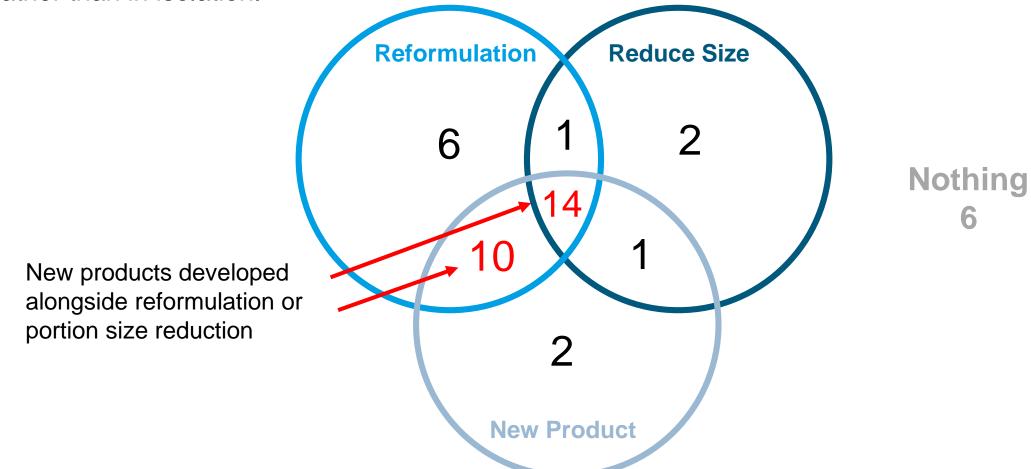
Unsuccessful 6% (1)

Attempts to Make Products Healthier



Notably, this tends to be done alongside reformulation or portion reduction of existing products

rather than in isolation.



Feedback from End Consumer



Customer feedback has also generally been positive

Launched reformulated or reduced size products to make products healthier (number of businesses)



Advice for Companies Looking to Reformulate



Businesses who had already successfully reformulated gave the following positive advice:

'Companies should always be striving to innovate and produce better quality products in terms of health while trying to maintain the taste and texture that attracts customers to these products. It is the responsibility of suppliers to make relevant trade offs between taste/texture and health as some consumers may not have the relevant knowledge or age to make decisions in their best interest usually in relation to health'.

Plant based meat producer

'As we created our products in the first place to be about health we were fine, but when trying to reduce the costs to create broader appeal this is difficult'.

Dairy producer

'Keep trying ... do it very very slowly over a longer period of time people's tastes should change if they are regular customers. But for those irregular customers they may notice the difference and can cause difficulties by putting comments on social media'. Meat/meat products producer

'Ask for help'.

Meat/meat products

producer

'Involve customers and listen to their feedback' Pizza, ready meal pastry-based products producer 'Keep trying'.

Pizza or prepared meals

producer

'Give it a try, and ask customers what they want'

Meat/meat products producer

'Takes a lot of time to perfect'.

Ice-cream producer

'Ensure the product still appeals to its core customer'

Bakery



Helping you build a plan

Introducing our new Diagnostic Tool

https://survey.cmix.com/FD7BEB27/G10DF6LT/en-US

Visit the link on our website



	food & drink federation passionate about food & drink
Welcome to FDF Scotland's Refo	ormulation for Health advice tool.
The purpose of this tool is to prochanges to improve the health o	ovide you with relevant reformulation advice to allow you to start making of your products.
Please press 'next' to begin.	
	NEXT
	Footband passionate about food & drink

Select your product area(s)



	food & drink federation passionate about food & drink
What type of foods are you looking to make healthier?	
Savoury & sweet bakery (excluding meat products)	
Biscuits & Cereal Bars	
✓ Pastry based meat pies, quiches/flans, rolls & pasties	
✓ Pastry based vegetarian & vegan savouries	
Cooked & cured meat & meat snacks	
Fresh meat (e.g. mince, sausages, BBQ meat or breaded chicken)	
Cheese	
Ice-cream	
Dairy based chilled desserts (e.g. yoghurt/fromage frais)	
Confectionery (e.g. sweets, chocolate, fudge/toffee)	
Ambient savoury snacks (e.g. crisps, savoury biscuits)	
Dizza & nranarad (ready to eat or heat at home)	

Think about how you could reformulate



			food & drink federation passionate about food & drink
Which aspects of these p	roducts would you be inter	ested in reformulating to m	ake them healthier?
	Savoury & sweet bakery (excluding meat products)	Pastry based meat pies, quiches/flans, rolls & pasties	Pastry based vegetarian & vegan savouries
Reduce fat content	\checkmark	\checkmark	✓
Reduce sugar content	\checkmark		
Reduce salt content			
Increase fibre content			
Increase fruit or vegetable content		✓	
Reduce calories			✓
Reduce portion size			
Don't know			

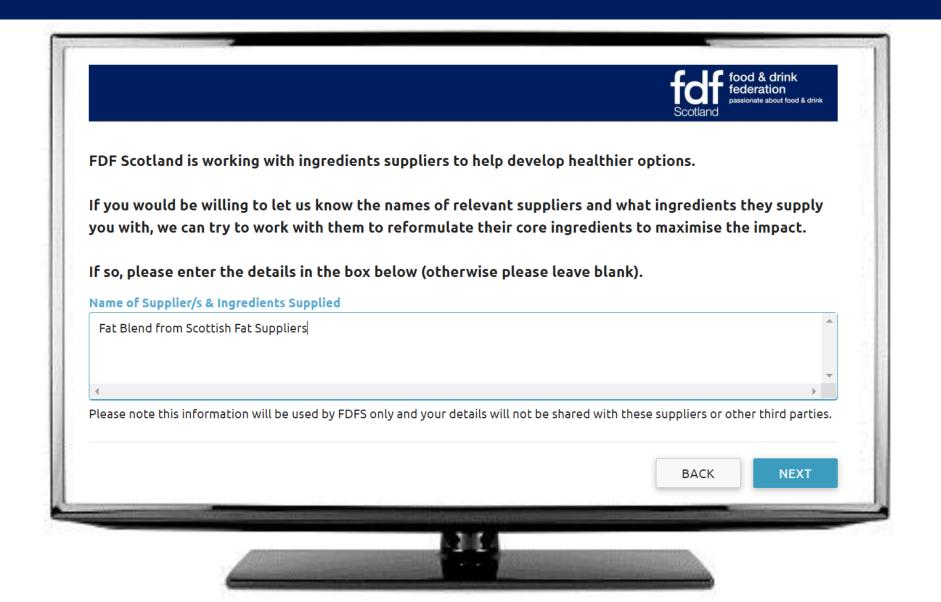
And consider specific nutrients/areas



s your ability to reformulate poastry, chocolate, rusk.	partly or fully depend	ent on any ready-made i	ingredients you may buy? E.g.
	Yes	No	Don't know
Savoury & sweet bakery (excluding meat products)	•	0	0
Pastry based meat pies, quiches/flans, rolls & pasties	•	0	0
Pastry based vegetarian & vegan savouries	•	0	0
			BACK NEXT

And tell us about key suppliers





Tell us what progress you've made



			food & drink federation passionate about food & drink Scotland
lave you already attempto	ed to reformulate or reduc	ce the portion size of these	products?
	Savoury & sweet bakery (excluding meat products)	Pastry based meat pies, quiches/flans, rolls & pasties	Pastry based vegetarian & vegan savouries
Currently trying to reformulate	0	Ο	
Currently trying to reduce the portion size	•	0	0
Tried to reformulate but were unsuccessful	0	•	0
Tried to reduce portion size but were unsuccessful	0	Ο	Ο
None of these	0	0	0
Other	0	0	0

And whether we can help with analysis



	food & drink federation passionate about food & drink
sing nutritional analysis tools and understanding nutritional to hanging products to be healthier. Are you using these currently	
Iutritional Analysis Tools	
Yes, we use a nutritional analysis tool	
We would like to use nutritional analysis tools but don't use one currently	
Other	
O Don't know	
lutritional targets	
Yes, we refer to nutritional targets	
 We would like to refer to nutritional targets, but are not sure where to loo 	nk

Helping you access funding



lave you accessed or explo	red funding to sup	port reformulation	for health?		
Yes, we have already gained f	unding to help us refo	rmulate			
O We are in the process of gain	ing funding				
No, but we would be interest	ed in finding out more	about the support availal	ble		
O Not interested					
Other, please specify					
you have already accessed	d funding, please o	could you let us know	v where you rece	eived this fr	om?
				BACK	NEXT

And contacting you afterwards



Your details will be used by FDF Scotland for this so	ole purpose and will not be used by any third parties.
Name*	
David Craig	
Company name*	
David's Pie Company	
Email*	
david@davidspiecompany.web	
Contact telephone number	
*Required	
Does your company operate in Scotland?	O.C. a cell products

At the end, we'll provide you with a customised suite of advice, based on your needs





Thank you for completing the Reformulation for Health advice tool. Please find below a selection of resources to provide guidance in reformulating or reducing portion size. This is provided as part of FDF Scotland's Reformulation for Health programme, further details of which can be found on FDF Scotland's website.

For businesses operating in Scotland, Joanne Burns (FDF Scotland's Reformulation Project Manager), will be in contact to discuss and develop your reformulation action plan. Joanne's contact details can also be found at the bottom of this page.

For businesses that currently do not operate in Scotland please still use these guides to help start your reformulation journey.

Please click on each title to access the guides.

Reformulation Programme Overview

Scottish Food companies are being encouraged to make their products healthier. The goal is to make small changes to everyday products which results in a big shift in overall health.

At the end, we'll provide you with a customised suite of advice, based on your needs



Please click on each title to access the guides.

Reformulation Programme Overview

Scottish Food companies are being encouraged to make their products healthier. The goal is to make small changes to everyday products which results in a big shift in overall health.

Fat Reduction - Savoury Bakery, Sweet Bakery, Biscuits & Cereal Bars

Fats are important in the structure, taste, texture and appearance of bakery products, however too much fat can contribute to poor health which can increase the risk of heart disease and stroke. This guide provides an introduction as to how fat reduction can be achieved in bakery products.

Fat Reduction - Meat Products, Meat Pastries & Butchery

Fats are important in the structure, taste, texture and appearance of meat products, pastries and butchery products, however too much fat can contribute to poor health which can increase the risk of heart disease and stroke. This guide provides an introduction as to how fat reduction can be achieved in meat products, pastries and butchery products.

Fat Reduction - Snacks & Prepared Foods

Fats are important in the structure, taste, texture and appearance of snacks and prepared food products, however too much fat can contribute to poor health which can increase the risk of heart disease and stroke.

With detailed advice on different areas





Salt Reduction

The UK food industry is a global leader in reformulating the salt content of products.

However, the average UK adult still consumes a third more salt than the maximum recommended by the government.

Too much salt in our diet can lead to issues including water retention, raised blood pressure, increased risk of heart attack, kidney disease and stroke.



Fat Reduction

Fats are important in the structure, taste, texture and appearance of bakery products.

All types of fat are high in energy. A gram of fat, saturated or unsaturated, provides 9 kcal of energy compared with 4 kcal for carbohydrate and protein.

Unused energy is stored in the body as fat, in the form of triglycerides. An excess of energy may lead to an individual becoming overweight or obese. Therefore, too much fat can contribute to poor health which can increase the risk of heart disease and stroke



Increasing Fruit & Vegetables

For shoppers looking to follow a healthy diet, eating more fruit and vegetables is the top priority.

Types of diet are also contributing to the growing plant-based trend. For example flexitarians account for 14% of the population and vegetarianism and veganism are also becoming more mainstream.

There are significant health benefits to getting at least five portions of fruit and vegetables every day. They are a good source of vitamins and minerals, and are an excellent source of dietary fibre, which can help to maintain a healthy gut.

An adult portion of fruit or vegetables is 80g

The Business Case for Reformulation

Scottish Food comp products healthier. The goal is to make small changes to everyday products which results in a big shift in overall health.

- Recipe Changes: Making products that are lower in salt, fats or sugar, or fortified with nutrients such as added fibre,
- Portion Size Changes: Altering the overall portion size to

Our research shows that consumers are in favour of reformulation. With many Scottish adults wanting to or actively trying to improve their diet, they expect food manufacturers to be taking the lead, helping them to make healthier choices.

There are business benefits too. Businesses successful in reformulating or reducing portion size have seen commercial gains such as winning new business, attracting new custom and making their products more competitive.

USP, have made small changes without losing product quality



Sugar Reduction

Almost 90% of the Scottish population is eating too much sugar and on average, consumers are eating more than twice the government recommendation Sugar contains 4 kcals per gram and no nutritional

Eating too much sugar can cause weight gain and is associated with tooth decay and poor dental health. Reducing the sugar content in foods is a key goal of the



Increasing Fibre

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In the UK, most people don't eat enough fibre.

The average adult intakes around 18g/day, which is 12g less than the governments daily recommendation.

Many consumers don't know how much fibre they should be eating or where to find it, despite health benefits being well documented.

Benefits include a reduced risk of chronic diseases like cardiovascular disease, type two diabetes and bowel



Reducing Portion Size and Calories

Reducing portion sizes, even by a small amount, can have a significant impact on overall calorie consumption

Currently there's no established industry-wide method for setting portion size and there's huge variation across categories and sectors.

In Scotland it is advised that people reduce their calorie intake by at least 120kcals per day



Guidance

- Increasing Fibre
- Increasing Fruit



With practical guidance





Fat Reduction

Fats are important in the structure, taste, texture and appearance of bakery products.

All types of fat are high in energy. A gram of fat, saturated or unsaturated, provides 9 kcal of energy compared with 4 kcal for carbohydrate and protein.

Unused energy is stored in the body as fat, in the form of triglycerides. An excess of energy may lead to an individual becoming overweight or obese. Therefore, too much fat can contribute to poor health which can increase the risk of heart disease and stroke.



Fat Reduction

(2 of 3)

What are fats?

Fats are made up of different fatty acids and some are essential for health. They provide energy, important vitamins (e.g. vitamins A and D) and essential fats.

3 Main Fat Categories:

- Unsaturated both mono and polyunsaturated fats, when eaten in moderation and used to replace saturated or trans fats, can help to lower cholesterol levels and reduce your risk of heart disease. Omega 3 and 6 are unsaturated fats that the body needs but cannot make.
- Saturated fats are mainly found in animal sources, including meat and dairy, but can also be found in palm oil and coconut oil. Consuming too much of this fat can raise cholesterol and increase the risk of heart disease.
- Trans fats are naturally present in some animal products and can occur during some food processing. Concerns about the impact of trans fats on health has led to many manufacturers and retailers already removing them from their products.

Fats in the Bakery Sector

Saturated fats are commonly found in cakes, butter, cream filling and pastries.

Fats provide many functions such as aeration, shortening, flakiness, moisture retention, glaze, plasticity and heat transfer.

Targets

Most people in the UK eat too much saturated fat. The UK government recommend that:

- Men should not eat more than 95g of fat per day, of which no more than 30gs is saturated fat
- Women should not eat more than 70g a day and less than 20g of saturated fat a day
- Children should have less
- Adults should not have more than circa. 5g of trans fats a day

Sector Guidance

- Savoury bakery
- Sweet bakery
- Biscuits
- Cereal bars
- Pastry based vegetarian and vegan savouries
- Ambient savoury snacks

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Fat Reduction

(3 of 3)

How to Reduce

If you want to reduce the risk of heart disease and ill health, it's best to reduce the overall fat intake and swap saturated fats for unsaturated fats.

Fat can be reduced in bakery products in several ways:

- Slightly reducing the quantity used and swapping the fat used for a healthier version.
- Using a fat replacer, removal of visible fat, emulsifiers, reducing portion size, adjusting cooking temperatures.
- If there are different components to your product think about each of them separately, for example you may be able to use a little less icing more easily than altering the biscuit regine

Help Available

- Contact <u>Joanne.Burns@fdfscotland.org.uk</u> to help build an action plan
- · Funding may be available from www.interface-online.org.uk
- Keep up to date with the latest advice at www.foodstandards.gov.uk
- https://www.igd.com/charitable-impact/healthyeating/reformulation/focus-areas/fats

Case Study 1: Chalmers Bakery: Puff Pastry



The business manufactures and sells a range of traditional bakery products such as breads, savories and cakes in 12 shops and via wholesale.

The sausage roll puff pasty has been reformulated resulting in 17% overall reduction in fat.

Case Study 2: Chalmers Bakery: Pie Shell Pastry

Chalmers has created a new Mediterranean vegetable pie, which contains only 3.5 grams fat. They created the new pie shell pastry for the base of the Mediterranean vegetable pie using a vegetable oil-based shortening instead of animal fat to reduce saturated fatCompared to a typical traditional scotch pie the Mediterranean vegetable pie contains 68% less fat and 71% less saturated fat.

Help on how to reduce fats

FAT REPLACERS:

Using unsaturated fats, or alternative fat sources such as blended fats.

HEALTHIER FAT PRODUCTS:

Reduce and swap saturated fat ingredients for unsaturated products

REDUCED FAT VERSIONS:

Using reduced fat products in composite products such as healthier cream and butter alternatives

EMULSIFIER:

Use these to ensure correct texture, structure and preservative qualities. Watch out for changes in shelf-life





Reformulating Scotland's Food & Drink

Food & Drink Federation Scotland:

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