Supplementary Material 1. A questionnaire study on dietary practices and beliefs in South Asian patients with inflammatory bowel disease

A Questionnaire Study on Dietary Practices and Beliefs in South Asian patients with Inflammatory Bowel Disease

(Version 1.0, 24th January 2019)

	Research ID	
Date (Day/Month,	/Year)/	

Questions for the research team to complete

Please circle the appropriate number.

Exam	ple	۰
LAAIII	pic	

(1.) Yes	2. No
	,	/	

Q1. Does the patient have Ulcerative colitis (UC), Crohn's Disease (CD) or IBD unspecified?

1. UC	2. CD	3. IBDU

Q2. What is the extent of this patient's disease?

Please complete table 2.1 for UC or 2.2 for CD

2.1 Ulcerative Colitis (please circle)	
E1	Ulcerative proctitis: limited to rectum
E2	Left-sided UC: distal to splenic flexure
E3	Extensive UC: extends proximal to splenic
	flexure

2.2 Crohn's Disease	
Age (please circle)	
A1	16 years or younger
A2	17-40 years
A3	>40 years
Location (please circle)	
L1	Terminal ileum
L2	Colon
L3	Ileocolonic
L4	Upper GI
Behaviour (please circle)	
B1	Non-stricturing/Non-penetrating
B2	Stricturing
B3	Penetrating

Q3. Which medications is this patient on for IBD?

1. Oral 5-aminosalicylic acids (Mesalazine or Sulfasalazine)	1. Yes	2. No
2. Immunomodulators (Azathioprine, Mercaptopurine, or Methotrexate)	1. Yes	2. No
3. Biologics (Infliximab, Adalimumab, Golimumab, Vedolizumab, etc)	1. Yes	2. No
4. Topical 5-aminosalicylic acids (Enema or suppository)	1. Yes	2. No
5. Others (please specify)	1. Yes	2. No

Q4. Latest investigation results within last 3 months (if performed).

	Result	Date performed
CRP		
Faecal Calprotectin		
Flexible		
Sigmoidoscopy/Colonoscopy		
Abdominal Radiology		
(USS/CT/MRI)		

Q5. Disease Activity Score (Please complete 5.1 for UC and 5.2 for CD)

5.1 U	5.1 Ulcerative Colitis (please circle)	
A. Sto	ool Frequency (Total number of stools/day)	
0	Normal number of stools for this patient	
1	1-2 stools/day more than normal for this patient	
2	3-4 stools/day more than normal for this patient	
3	≥ 5 stools/day more than normal for this patient	
B. Re	ctal Bleeding	
0	No blood seen	
1	Streaks of blood seen with < 50% of stools	
2	Obvious blood seen with ≥ 50% of stools	
3	Blood alone passed	

Very well = 0	5.2 Crohn's Disease (Please circle score)	
Poor = 2 Very poor = 3 Terrible = 4 Abdominal Pain None = 0 Mild = 1 Moderate = 2 Severe = 3 Number of liquid stools per day Complications None = 0 Arthralgia = 1 Uveitis = 1 Erythema nodosum = 1 Aphthous ulcers = 1 Pyoderma gangrenosum = 1	General well-being	Very well = 0
Very poor = 3 Terrible = 4 Abdominal Pain None = 0 Mild = 1 Moderate = 2 Severe = 3 Number of liquid stools per day Complications None = 0 Arthralgia = 1 Uveitis = 1 Erythema nodosum = 1 Aphthous ulcers = 1 Pyoderma gangrenosum = 1		Slightly below par = 1
Terrible = 4 Abdominal Pain None = 0 Mild = 1 Moderate = 2 Severe = 3 Number of liquid stools per day Complications None = 0 Arthralgia = 1 Uveitis = 1 Erythema nodosum = 1 Aphthous ulcers = 1 Pyoderma gangrenosum = 1		Poor = 2
Abdominal Pain None = 0 Mild = 1 Moderate = 2 Severe = 3 Number of liquid stools per day Complications None = 0 Arthralgia = 1 Uveitis = 1 Erythema nodosum = 1 Aphthous ulcers = 1 Pyoderma gangrenosum = 1		Very poor = 3
Mild = 1 Moderate = 2 Severe = 3 Number of liquid stools per day Complications None = 0 Arthralgia = 1 Uveitis = 1 Erythema nodosum = 1 Aphthous ulcers = 1 Pyoderma gangrenosum = 1		Terrible = 4
Moderate = 2 Severe = 3 Number of liquid stools per day Complications None = 0 Arthralgia = 1 Uveitis = 1 Erythema nodosum = 1 Aphthous ulcers = 1 Pyoderma gangrenosum = 1	Abdominal Pain	None = 0
Severe = 3 Number of liquid stools per day Complications None = 0 Arthralgia = 1 Uveitis = 1 Erythema nodosum = 1 Aphthous ulcers = 1 Pyoderma gangrenosum = 1		Mild = 1
Number of liquid stools per day Complications None = 0 Arthralgia = 1 Uveitis = 1 Erythema nodosum = 1 Aphthous ulcers = 1 Pyoderma gangrenosum = 1		Moderate = 2
None = 0 Arthralgia = 1 Uveitis = 1 Erythema nodosum = 1 Aphthous ulcers = 1 Pyoderma gangrenosum = 1		Severe = 3
Arthralgia = 1 Uveitis = 1 Erythema nodosum = 1 Aphthous ulcers = 1 Pyoderma gangrenosum = 1	Number of liquid stools per day	
Uveitis = 1 Erythema nodosum = 1 Aphthous ulcers = 1 Pyoderma gangrenosum = 1	Complications	None = 0
Erythema nodosum = 1 Aphthous ulcers = 1 Pyoderma gangrenosum = 1		Arthralgia = 1
Aphthous ulcers = 1 Pyoderma gangrenosum = 1		Uveitis = 1
Pyoderma gangrenosum = 1		Erythema nodosum = 1
		Aphthous ulcers = 1
Anal fissure = 1		Pyoderma gangrenosum = 1
		Anal fissure = 1
New fistula = 1		New fistula = 1
Abscess = 1		Abscess = 1
Total Score	Total Score	

Questions for patients

Please circle the appropriate number.	
Example)	
1.) Yes	2. No
Q1. How many years ago were you diag	nosed with Inflammatory Bowel Disease (IBD)
	years
Q2. Do you consider that diet is the <u>initi</u>	ating factor for Inflammatory Bowel Disease?
1. Yes	2. No

If your answer is No, please go to Q3

Q2-2. If Yes, what is the source of this information? (Choose as many as apply)

1.	Your own experience
2.	Gastroenterologist / IBD specialist
3.	General practitioner
4.	IBD nurse specialist / other nurse
5.	Dietitian
6.	Internet (patient support organization such as Crohn's and Colitis UK)
7.	Internet (Other websites)
8.	Information leaflet / book for IBD
9.	Other patients with Ulcerative Colitis
10.	Other patients with Crohn's disease
11.	Family
12.	Friends
13.	Social media
14.	Television or Radio
15.	Newspapers and magazines
16.	Other, please specify

Q3. Have you had a relapse of Inflammatory Bowel Disease within the last 1 year?

(In ulcerative colitis relapse is the presence of rectal bleeding with increased bowel habits. In Crohn's disease relapse is the presence of abdominal pain with or without increased bowel habits and rectal bleeding)

1. Yes 2. No

Q4. Do you consider that a dietary factor has ever <u>triggered a relapse</u> of your Inflammatory Bowel Disease?

1. Yes	2. No

If your answer is No, please go to Q5

Q4-2. If \underline{Yes} , which food or drink do you think triggered the relapse? (Choose as \underline{many} as apply)

1.	Fatty Foods
2.	White meat (e.g. chicken)
3.	Red meat (e.g. beef, lamb, pork)
4.	Milk or milk products
5.	Raw vegetables or raw fruit
6.	Fish
7.	Spicy Foods
8.	Sweet foods
9.	Alcohol
10.	Carbonated drinks
11.	Coffee
12.	Tea
13.	Other, please specify

Q5. Do you consider that diet triggers a relapse of Inflammatory Bowel Disease?

1. Yes	2. No

Q6. Do you avoid certain foods or drink to try and prevent relapse of Inflammatory Bowel Disease?

1. I <u>always</u> avoid	2. I sometimes avoid	3. I <u>do not</u> avoid

If you answered "I do not avoid" please go to Q7

Q6-2. If you <u>always or sometimes avoid</u> certain foods or drink to <u>prevent a relapse</u> of Inflammatory Bowel Disease, which food or drink do you avoid (see options on next page)?

A. Fatty Foods

1 Lalways avoid 2 Leametimes avoid 3 Ldo not avoid			
1. 1 <u>always</u> avoid 2. 1 <u>sometimes</u> avoid 3. 1 <u>do not</u> avoid	1. I <u>always</u> avoid	2. I sometimes avoid	3. I <u>do not</u> avoid

If you answered "I do not avoid" please go to B

A-2. If you always or sometimes <u>avoid fatty foods</u> to <u>prevent a relapse</u>, <u>what is</u> the <u>source</u> of this information? (Choose as <u>many</u> as apply)

1.	Your own experience
2.	Gastroenterologist / IBD specialist
3.	General practitioner
4.	IBD nurse specialist / other nurse
5.	Dietitian
6.	Internet (patient support organization such as Crohn's and Colitis UK)
7.	Internet (Other websites)
8.	Information leaflet / book for IBD
9.	Other patients with Ulcerative Colitis
10.	Other patients with Crohn's disease
11.	Family
12.	Friends
13.	Social media
14.	Television or Radio
15.	Newspapers and magazines
16.	Other, please specify

B. White meat (e.g. chicken)

1. I <u>always</u> avoid	2. I sometimes avoid	3. I do not avoid
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If you answered "I do not avoid" please go to C

B-2. If you always or sometimes <u>avoid white meat</u> to <u>prevent a relapse</u>, <u>what is</u> the <u>source</u> of this information? (Choose as <u>many</u> as apply)

1.	Your own experience
2.	Gastroenterologist / IBD specialist
3.	General practitioner
4.	IBD nurse specialist / other nurse
5.	Dietitian
6.	Internet (patient support organization such as Crohn's and Colitis UK)
7.	Internet (Other websites)
8.	Information leaflet / book for IBD
9.	Other patients with Ulcerative Colitis
10.	Other patients with Crohn's disease
11.	Family
12.	Friends
13.	Social media
14.	Television or Radio
15.	Newspapers and magazines
16.	Other, please specify

C. Red Meat (e.g. beef, lamb, pork)

1. I <u>alwa</u>	<u>ys</u> avoid	2.	I sometimes avoid	3. I do not avoid	

If you answered "I do not avoid" please go to D

C-2. If you always or sometimes <u>avoid red meat</u> to <u>prevent a relapse</u>, <u>what is</u> the <u>source</u> of this information? (Choose as <u>many</u> as apply)

1.	Your own experience
2.	Gastroenterologist / IBD specialist
3.	General practitioner
4.	IBD nurse specialist / other nurse
5.	Dietitian
6.	Internet (patient support organization such as Crohn's and Colitis UK)
7.	Internet (Other websites)
8.	Information leaflet / book for IBD
9.	Other patients with Ulcerative Colitis
10.	Other patients with Crohn's disease
11.	Family
12.	Friends
13.	Social media
14.	Television or Radio
15.	Newspapers and magazines
16.	Other, please specify

D. Milk or milk products

 	1	
 I <u>always</u> avoid 	2. I sometimes avoid	4. I <u>do not</u> avoid

If you answered "I do not avoid" please go to E

D-2. If you always or sometimes <u>avoid milk or milk products</u> to <u>prevent a relapse</u>, <u>what</u> <u>is</u> the <u>source</u> of this information? (Choose as <u>many</u> as apply)

1.	Your own experience
2.	Gastroenterologist / IBD specialist
3.	General practitioner
4.	IBD nurse specialist / other nurse
5.	Dietitian
6.	Internet (patient support organization such as Crohn's and Colitis UK)
7.	Internet (Other websites)
8.	Information leaflet / book for IBD
9.	Other patients with Ulcerative Colitis
10.	Other patients with Crohn's disease
11.	Family
12.	Friends
13.	Social media
14.	Television or Radio
15.	Newspapers and magazines
16.	Other, please specify

E. Raw vegetables or raw fruit

1. I <u>always</u> avoid	2. I <u>sometimes</u> avoid	3. I <u>do not</u> avoid
1 GT J41	2.1991	

If you answered "I do not avoid" please go to F

E-2. If you always or sometimes <u>avoid raw vegetables or raw fruit</u> to <u>prevent a relapse</u>, <u>what is the <u>source</u> of this information? (Choose as <u>many</u> as apply)</u>

1.	Your own experience
2.	Gastroenterologist / IBD specialist
3.	General practitioner
4.	IBD nurse specialist / other nurse
5.	Dietitian
6.	Internet (patient support organization such as Crohn's and Colitis UK)
7.	Internet (Other websites)
8.	Information leaflet / book for IBD
9.	Other patients with Ulcerative Colitis
10.	Other patients with Crohn's disease
11.	Family
12.	Friends
13.	Social media
14.	Television or Radio
15.	Newspapers and magazines
16.	Other, please specify

F. Fish

1. I <u>always</u> avoid 2. I <u>sometimes</u> avoid	3. I do not avoid
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If you answered "I do not avoid" please go to G

F-2. If you always or sometimes <u>avoid fish</u> to <u>prevent a relapse</u>, <u>what is</u> the <u>source</u> of this information? (Choose as <u>many</u> as apply)

1.	Your own experience
2.	Gastroenterologist / IBD specialist
3.	General practitioner
4.	IBD nurse specialist / other nurse
5.	Dietitian
6.	Internet (patient support organization such as Crohn's and Colitis UK)
7.	Internet (Other websites)
8.	Information leaflet / book for IBD
9.	Other patients with Ulcerative Colitis
10.	Other patients with Crohn's disease
11.	Family
12.	Friends
13.	Social media
14.	Television or Radio
15.	Newspapers and magazines
16.	Other, please specify

G. Spicy Foods

1 7 1 11 0 7 11 0 7 1			
1. I <u>always</u> avoid 2. I <u>sometimes</u> avoid 3. I <u>do not</u> avoid	 I <u>always</u> avoid 	2. I sometimes avoid	3. I do not avoid

If you answered "I do not avoid" please go to H

G-2. If you always or sometimes <u>avoid spicy foods</u> to <u>prevent a relapse</u>, <u>what is</u> the <u>source</u> of this information? (Choose as <u>many</u> as apply)

1.	Your own experience
2.	Gastroenterologist / IBD specialist
3.	General practitioner
4.	IBD nurse specialist / other nurse
5.	Dietitian
6.	Internet (patient support organization such as Crohn's and Colitis UK)
7.	Internet (Other websites)
8.	Information leaflet / book for IBD
9.	Other patients with Ulcerative Colitis
10.	Other patients with Crohn's disease
11.	Family
12.	Friends
13.	Social media
14.	Television or Radio
15.	Newspapers and magazines
16.	Other, please specify

H. Sweet Foods

1. I <u>always</u> avoid	2. I sometimes avoid	3. I do not avoid
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If you answered "I do not avoid" please go to I

H-2. If you always or sometimes <u>avoid sweet foods</u> to <u>prevent a relapse</u>, <u>what is</u> the <u>source</u> of this information? (Choose as \underline{many} as apply)

1.	Your own experience
2.	Gastroenterologist / IBD specialist
3.	General practitioner
4.	IBD nurse specialist / other nurse
5.	Dietitian
6.	Internet (patient support organization such as Crohn's and Colitis UK)
7.	Internet (Other websites)
8.	Information leaflet / book for IBD
9.	Other patients with Ulcerative Colitis
10.	Other patients with Crohn's disease
11.	Family
12.	Friends
13.	Social media
14.	Television or Radio
15.	Newspapers and magazines
16.	Other, please specify

I. Alcohol

	1. I <u>always</u> avoid	2. I sometimes avoid	3. I do not avoid
C	1 ((T 1)	• 100 1 , T	

If you answered "I do not avoid" please go to J

I-2. If you always or sometimes <u>avoid alcohol</u> to <u>prevent a relapse</u>, <u>what is</u> the <u>source</u> of this information? (Choose as <u>many</u> as apply)

1.	Your own experience
2.	Gastroenterologist / IBD specialist
3.	General practitioner
4.	IBD nurse specialist / other nurse
5.	Dietitian
6.	Internet (patient support organization such as Crohn's and Colitis UK)
7.	Internet (Other websites)
8.	Information leaflet / book for IBD
9.	Other patients with Ulcerative Colitis
10.	Other patients with Crohn's disease
11.	Family
12.	Friends
13.	Social media
14.	Television or Radio
15.	Newspapers and magazines
16.	Other, please specify

J. Carbonated Drinks

1. I <u>always</u> avoid	2. I sometimes avoid	3. I do not avoid
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If you answered "I do not avoid" please go to K

J-2. If you always or sometimes <u>avoid carbonated drinks</u> to <u>prevent a relapse</u>, <u>what is</u> the <u>source</u> of this information? (Choose as <u>many</u> as apply)

1.	Your own experience
2.	Gastroenterologist / IBD specialist
3.	General practitioner
4.	IBD nurse specialist / other nurse
5.	Dietitian
6.	Internet (patient support organization such as Crohn's and Colitis UK)
7.	Internet (Other websites)
8.	Information leaflet / book for IBD
9.	Other patients with Ulcerative Colitis
10.	Other patients with Crohn's disease
11.	Family
12.	Friends
13.	Social media
14.	Television or Radio
15.	Newspapers and magazines
16.	Other, please specify

K. Coffee

	 I <u>always</u> avoid 	2. I sometimes avoid	3. I do not avoid			
Ifx	If you answered "I do not avaid" please go to I					

If you answered "I do not avoid" please go to L

K-2. If you always or sometimes <u>avoid coffee</u> to <u>prevent a relapse</u>, <u>what is</u> the <u>source</u> of this information? (Choose as <u>many</u> as apply)

1.	Your own experience
2.	Gastroenterologist / IBD specialist
3.	General practitioner
4.	IBD nurse specialist / other nurse
5.	Dietitian
6.	Internet (patient support organization such as Crohn's and Colitis UK)
7.	Internet (Other websites)
8.	Information leaflet / book for IBD
9.	Other patients with Ulcerative Colitis
10.	Other patients with Crohn's disease
11.	Family
12.	Friends
13.	Social media
14.	Television or Radio
15.	Newspapers and magazines
16.	Other, please specify

L. Tea

1. I <u>always</u> avoid	2. I sometimes avoid	3. I do not avoid			
TC 1 (4T 1 4 * 199 1 4 7 M/F					

If you answered "I do not avoid" please go to M

L-2. If you always or sometimes <u>avoid tea</u> to <u>prevent a relapse</u>, <u>what is</u> the <u>source</u> of this information? (Choose as <u>many</u> as apply)

1.	Your own experience
2.	Gastroenterologist / IBD specialist
3.	General practitioner
4.	IBD nurse specialist / other nurse
5.	Dietitian
6.	Internet (patient support organization such as Crohn's and Colitis UK)
7.	Internet (Other websites)
8.	Information leaflet / book for IBD
9.	Other patients with Ulcerative Colitis
10.	Other patients with Crohn's disease
11.	Family
12.	Friends
13.	Social media
14.	Television or Radio
15.	Newspapers and magazines
16.	Other, please specify

		metimes avoid	3. I <u>do not</u> avoid
ou	answered "I do not avoid" please go t	o Q 7	
М.	-2. If you always or sometimes avoid of	ther foods or dinks	to prevent a relanse.
	the source of this information? (Choose		
	Your own experience		,
	Gastroenterologist / IBD specialist		
	General practitioner		
	IBD nurse specialist / other nurse		
	Dietitian		
	Internet (patient support organization	such as Crohn's and	d Colitis UK)
	Internet (Other websites)		
	Information leaflet / book for IBD		
	Other patients with Ulcerative Colitis		
0.	Other patients with Crohn's disease		
1.	Family		
2.	Friends		
3.	Social media		
4.	Television or Radio		
-			
5. ' . D	Newspapers and magazines Other, please specify o you consider that consuming certain prevent a relapse of Inflammatory l	n foods, drink, or	
6. 7 . D	Other, please specify o you consider that <u>consuming</u> certai	n foods, drink, or	
6. 7 . D	Other, please specify o you consider that <u>consuming</u> certai	n foods, drink, or Bowel Disease?	
(a)	Other, please specify	n foods, drink, or Bowel Disease? 2 , drink, or nutriticel Disease?	nutritional suppleme
6. 7. D can 8. D pre	Other, please specify	n foods, drink, or Bowel Disease? 2 , drink, or nutriticel Disease?	nutritional suppleme . No onal supplements to
S. D	Other, please specify	n foods, drink, or Bowel Disease? 2 , drink, or nutriticel Disease?	nutritional suppleme . No onal supplements to
6. 7. D can pro	Other, please specify	n foods, drink, or Bowel Disease? 2 , drink, or nutriticel Disease?	nutritional suppleme . No onal supplements to . No
6. 7. D can 8. D pro	Other, please specify	n foods, drink, or Bowel Disease? 2 , drink, or nutriticel Disease?	nutritional suppleme . No onal supplements to . No

Q8-3. What are your <u>so</u> ı	<u>ırces</u> of the information	regarding <u>con</u>	<u>1suming</u> certain	foods,
drink, or nutritiona	l supplements for <u>relap</u>	se prevention?	?	

(Choose as many as apply)

1.	Your own experience
2.	Gastroenterologist / IBD specialist
3.	General practitioner
4.	IBD nurse specialist / other nurse
5.	Dietitian
6.	Internet (patient support organization such as Crohn's and Colitis UK)
7.	Internet (Other websites)
8.	Information leaflet / book for IBD
9.	Other patients with Ulcerative Colitis
10.	Other patients with Crohn's disease
11.	Family
12.	Friends
13.	Social media
14.	Television or Radio
15.	Newspapers and magazines
16.	Other, please specify

1. Yes		2. No
. Do you consider the recomm	nended diet in <u>preventing r</u>	relapse of Ulcerative Co
be same as that in <u>preventing</u>	g relapse in Crohn's disea	<u>se</u> ?
1. Yes	2. No	3. I don't kno

Q11-2. If <u>Yes</u>, please specify the information resources.

Q12. Do you avoid the same menu as the other members of the family living with you to
prevent a relapse of Inflammatory Bowel Disease?

1. I always avoid 2. I sometimes av	oid 3. I do not avoid
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Q13. Do you avoid eating out for fear of $\underline{\text{causing a relapse}}$ of Inflammatory Bowel Disease?

1. I always avoid	2. I sometimes avoid	3. I do not avoid

Q14. Have you heard of or tried any of these specific diets? (please circle)

Gluten free diet	1. I have heard of this	2. I have tried this
Lactose free diet	1. I have heard of this	2. I have tried this
Low FODMAPs diet	1. I have heard of this	2. I have tried this
Specific carbohydrate diet	1. I have heard of this	2. I have tried this
Anti-inflammatory diet	1. I have heard of this	2. I have tried this
Paleolithic diet	1. I have heard of this	2. I have tried this

Finally, some questions about you.

Q15. Are you male or female?

1. Male	2. Female
Q16. Please tell us your age?	years old
Q17. How tall are you?	cm
Q18. What is your weight?	kg
Q19. In which country were you b	orn?

If you were born outside of the UK please move to Q20.

Q19.1 If you were born in the UK, were your parents also born in the UK?

1. Yes	2. No
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Q20. With which South Asian ethnicity do you identify yourself (please circle)?

1.	Indian
2.	Pakistani
3.	Sri Lankan
4.	Bangladeshi
5.	Nepalese
6.	Mixed (please specify)
7.	Other (please specify)

Q21. Do you have any other medical conditions for which you need to avoid certain types of foods or drink? For example diabetes mellitus, high cholesterol, hypertension.

3. Yes	4. No
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If Yes please specify

Q22. Who do you live with?

ſ	1. Family	2. Alone	3. Others

Q23. Are you working full-time or part-time?

	1. Full-time	2. Part-time	3. Unemployed	4. Retired
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Q24. What is you highest level of educational qualification?

1. O-levels/GCSEs	
2. A-levels	
3. University degree	
4. Other professional qualifications e.g. diploma	

Q25. Do you feel you are limited in your choices with foods or drink because of cost or income?

1. Yes	2. No

Thank you for taking the time to complete this questionnaire.