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## Dietitians' practice in giving carbohydrate advice in the management of type 2 diabetes: a mixed methods study

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## **Tables**

Table 1 - Characteristics of respondents n = 320

	Findings							
Characteristic	Variable	n	%					
Sex	Male	14	4.4					
	Female	306	95.6					
Age	18-24 years	15	4.7					
	25-34 years	109	34.1					
	35-44 years	89	27.8					
	45-54 years	73	22.8					
	55-64 years	33	10.3					
	65 years and over	1	0.3					
Years qualified as a	Less than 12 months	1	0.3					
Registered Dietitian	1-3 years	39	12.2					
	4-6 years	64	20.0					
	7-9 years	37	11.6					
	10 years or more	179	55.9					
NHS Pay Band	Band 5	25	7.8					
	Band 6	131	40.9					
	Band 7	128	40.0					
	Band 8	15	4.7					
	Non-NHS	21	6.6					
Diabetes Specialist Dietitian	Yes	176	55.0					
	No	144	45.0					
Dietetic Training in the UK?	UK	297	92.8					
	Overseas	23	7.2					

Table 2 - General Advice regarding carbohydrate n = 320

Overtion	Beenenee	Results		
Question	Responses	n	%	
What advice do you usually	I cover GI as a general concept only	200	n/a	
give regarding Glycaemic	I advise patients to avoid specific	80	n/a	
Index (GI)?*	high-GI foods			
	I advise patients to include specific	148	n/a	
	low-GI foods			
	I educate patients about the specific	37	n/a	
	GI values of certain foods			
	I don't usually cover GI	30	n/a	
What advice do you usually	I cover GL as a general concept only	164	n/a	
give regarding Glycaemic	I advise patients to avoid specific	26	n/a	
Load (GL)?*	high-GL foods			
	I advise patients to include specific	30	n/a	
	low-GL foods			
	I educate patients about the specific	34	n/a	
	GL values of certain foods or their			
	overall diet.			
	I don't usually cover GI	119	n/a	
How often do you advise or	Never	47	14.7	
support patients to	Rarely (5% of the time)	56	17.5	
implement a carbohydrate	Sometimes (10% of the time)	63	19.7	
restriction?	Occasionally (25% of the time)	60	18.8	
	Frequently (50% of the time)	94	29.4	
For you, what would	Roughly 50% of total energy from	55	17.2	
represent a realistic	carbohydrate			
carbohydrate restriction in	40-49.9% of total energy from	100	31.2	
type 2 diabetes?	carbohydrate			
	30-39.9% of total energy from	114	35.6	
	carbohydrate			
	Less than 30% of total energy from	21	6.6	
	carbohydrate			
	Ketogenic amounts of 20g of	1	0.3	
	carbohydrate per day or less			
What does the term	Education about identifying foods &	281	n/a	
Carbohydrate Awareness	drinks that contain carbohydrate			
mean to you?	Education about portions of	228	n/a	
	common foods that contain			
	equivalent amounts of carbohydrate			
	Education about the actual	161	n/a	
	quantities of carbohydrate in			
	common foods			
	Other	43	n/a	

<sup>\*&#</sup>x27;usually' was defined as about 50% of the time. n/a = respondents were able to select more than one answer so percentages are not applicable.

Table 3 – differences between specialist and non-specialist dietitians (should be presented in landscape format)

n = 320		Diabetes	Specialist Die	titian % (n)			P for				
											between
											groups*
I feel confident	Strongly	Disagree	Neutral	Agree	Strongly	Strongly	Disagree	Neutral	Agree	Strongly	
in teaching	Disagree				Agree	Disagree				Agree	
patients with											
type 2 diabetes											0.04
about the	2					(=)	()	()	()	()	<0.01
quantity of	3.1 (10)	0.1 (3)	0.0 (1)	17.2 (55)	33.4 (107)	2.2 (7)	7.8 (25)	7.8 (25)	20.3 (65)	6.9 (22)	
carbohydrate in											
food											
How often do	Never	Rarely	Sometimes	Occasionally	Frequently	Never	Rarely	Sometimes	Occasionally	Frequently	
you advise or											
support patients											<0.01
to implement a	3.8 (12)	6.6 (21)	11.3 (36)	12.8 (41)	20.6 (66)	10.9 (35)	10.9 (35)	8.4 (27)	5.9 (19)	8.8 (28)	<b>40.01</b>
carbohydrate											
restriction?											
For you, what	50%	40-49.9%	30-39%	<30%	20g CHO	50%	40-49.9%	30-39%	<30%	20g CHO	0.01
would represent	energy	energy	energy	energy from	or less	energy	energy	energy	energy from	or less	0.01

а	realistic	from CHO	from CHO	from CHO	СНО		from CHO	from CHO	from CHO	СНО		
carbohy	ydrate											
restricti	on in	6.6 (21)	15.9 (51)	22.5 (72)	4.4 (14)	<0.0 (1)	10.6 (34)	15.3 (49)	13.1 (42)	2.2 (7)	0.0 (0)	
type	2	0.0 (21)	10.0 (01)	22.0 (12)	(1.1)	40.0 (1)	10.0 (01)	10.0 (10)	10.1 (12)	2.2 (1)	0.0 (0)	
diabete	s?											

<sup>\*</sup>Chi-squared test for independence

Figure 1 – see separate file