Secular Trends in Information Communications Technology: Access, Use, and Attitudes of Young and Older Patients With Diabetes

Timothy L. Middleton^{-1,2} Maria I. Constantino,^{1,2} Lynda Molyneaux,^{1,2} Turki AlMogbel^{-1,3} Margaret McGill,^{1,2} Dennis K. Yue,^{1,2} Stephen M. Twigg,^{1,2} Ted Wu,¹ and Jencia Wong^{1,2} https://doi.org/10.2337/ds17-0082 Published 6 September 2019

Supplementary Data

- Supplementary Tables
- Supplementary Figure

SUPPLEMENTARY MATERIAL

Supplementary Table S1

Self-reported technology related behaviours in 2012 and 2017, stratified by current age

		Overall		Under 40 years		Over 40 years	
Behaviour	Year	Proportion who report behaviour	p value	Proportion who report behaviour	p value	Proportion who report behaviour	p value
Health related	2012	0.50	<0.001	0.79	0.001	0.43	0.004
internet searching	2017	0.74		0.95	0.001	0.58	3.004
Regular use of	2012	0.81	0.01	0.89	0.60	0.79	0.08
a BGL meter*	2017	0.89	0.01	0.93	0.00	0.87	0.08
							-
Download and print data	2012	0.14	0.003	0.37	0.06	0.09	.0.001
from BGL meter†	2017	0.25	0.002	0.22	0.06	0.28	<0.001

^{*} Regular use of a blood glucose meter was defined as use which occurred at least once a day. In the 2012 survey 266 respondents indicated that they owned a BGL meter; 216 respondents (81%) reported testing their blood sugar at least once a day. In the 2017 survey 268 respondents indicated that they owned a BGL meter; 239 respondents (89%) reported testing their blood sugar at least once a day.

[†] In 2012, 264 owners of a BGL meter responded to Q20 of the survey (Have you ever connected a glucose meter to a computer to print out your blood sugar readings?). In 2012, 38 respondents (14%) answered in the affirmative to Q20. In 2017, 266 owners of a BGL meter responded to Q20 of the survey and 67 respondents (25%) answered in the affirmative.

Supplementary Table S2

Comparative Demographics of Survey Respondents and Clinic Population (Jan-Apr 2012)

		Survey Respondents (n=300)	Clinic Population (n=1815)
	Male	174 (58.0)	902 (49.7)
Gender	Female	120 (40.0)	913 (50.3)
	Not disclosed	6 (2.0)	-
	<30	22 (7.3)	42 (2.3)
	30 to <40	35 (11.7)	237 (13.1)
	40 to <50	33 (11.0)	261 (14.4)
Current Age	50 to <60	71 (23.7)	205 (11.3)
	60 to <70	83 (27.7)	378 (20.8)
	≥70	49 (16.3)	683 (37.6)
	Not disclosed	7 (2.3)	-
	T1DM	61 (20.3)	290 (16.0)
	T2DM	189 (63.0)	1207 (66.5)
Type of	GDM	1 (0.3)	270 (14.9)
Diabetes	Other	-	48 (2.6)
	Don't know	34 (11.3)	- -
	Not disclosed	15 (5.0)	-

Supplementary Table S3

Comparative Demographics of Survey Respondents and Clinic Population (Mar-Jun 2017)

		Survey Respondents (n=314)	Clinic Population (n=1960)
	Male	129 (41.1)	914 (46.6)
Gender	Female	180 (57.3)	1046 (53.4)
	Not disclosed	5 (1.6)	-
		·	
	<30	35 (11.1)	126 (6.4)
	30 to <40	94 (29.9)	413 (21.1)
	40 to <50	42 (13.4)	239 (12.2)
Current Age	50 to <60	44 (14.0)	278 (14.2)
	60 to <70	57 (18.2)	412 (21.0)
	≥70	36 (11.5)	492 (25.1)
	Not disclosed	6 (1.9)	-
	T1DM	62 (19.7)	325 (16.6)
	T2DM	148 (47.1)	1169 (59.6)
Type of	GDM	79 (25.2)	394 (20.1)
Diabetes	Other	-	72 (3.7)
	Don't know	20 (6.4)	-
	Not disclosed	5 (1.6)	-

Supplementary Table S4a:

Self-reported access to technology in 2012 and 2017, stratified by gender

Technology	Year	Male Proportion with access	Female Proportion with access	p value	
Computor	2012	0.77	0.67	0.09	
Computer	2017	0.75	0.76	0.96	
Tablet	2012	0.18	0.11	0.17	
Tablet	2017	0.50	0.58	0.21	
Mahila nhana	2012	0.84	0.82	0.77	
Mobile phone	2017	0.85	0.89	0.26	
		<u>.</u>			
Internet cosses	2012	0.78	0.67	0.05	
Internet access	2017	0.87	0.90	0.40	
No tochnology	2012	0.11	0.10	0.95	
No technology	2017	0.03	0.03	1	

Supplementary Table S4b:

Mobile phone feature utilization in 2012 and 2017, stratified by gender

		Male	Female		
Feature	Year	Proportion	Proportion utilizing	p value	
		utilizing feature	feature		
Phone calls	2012	0.86	0.81	0.42	
Phone cans	2017	0.92	0.88	0.37	
CDAC	2012	0.60	0.56	0.54	
SMS	2017	0.85	0.84	1	
Mobile internet	2012	0.30	0.31	1	
wobile internet	2017	0.63	0.72	0.11	
Other apps	2012	0.27	0.30	0.65	
Other apps	2017	0.42	0.48	0.41	

Supplementary Table S4c:

Patient comfort with technology and technology-based support stratified by gender

Technology / Tech-based support	Year	Male Proportion who are comfortable or very comfortable	Female Proportion who are comfortable or very comfortable	p value		
Technology in	2012	0.62	0.52	0.13		
general	2017	0.77	0.78	0.78		
Technology in	2012	0.64	0.54	0.13		
diabetes	2017	0.73	0.76	0.61		
Email contact from Diabetes	2012	0.67	0.56	0.08		
Centre	2017	0.62	0.78	0.005		
Web-based diabetes	2012	0.32	0.29	0.62		
consultation	2017	0.34	0.45	0.08		
Online	2012	0.24	0.20	0.48		
diabetes support group	2017	0.30	0.34	0.47		

Supplementary Table S5a:

Self-reported access to technology in 2012 and 2017, stratified by diabetes type

		Type 1	Type 2			
Technology	Year	Proportion with access	Proportion with access	p value		
	2012	0.90	0.70	0.003		
Computer	2017	0.82	0.70	0.10		
	Overall	0.86	0.70	0.001		
	2012	0.20	0.14	0.42		
Tablet	2017	0.57	0.46	0.22		
	Overall	0.38	0.28	0.06		
	2012	0.97	0.80	0.003		
Mobile phone	2017	0.98	0.81	0.002		
	Overall	0.98	0.80	<0.001		
	2012	0.90	0.72	0.006		
Internet access	2017	0.90	0.85	0.45		
	Overall	0.90	0.78	0.004		
1	, , , , , , , , , , , , , , , , , , , ,					
	2012	0.02	0.12	0.03		
No technology	2017	0	0.07	0.08		
	Overall	0.01	0.10	0.002		

Supplementary Table S5b:

Mobile phone feature utilization in 2012 and 2017, stratified by diabetes type

		Type 1	Type 2		
Feature	Year	Proportion	Proportion	p value	
		utilizing feature	utilizing feature		
	2012	0.97	0.80	0.004	
Phone calls	2017	0.95	0.94	1	
	Overall	0.96	0.86	0.006	
	2012	0.89	0.48	<0.001	
SMS	2017	0.92	0.76	0.02	
	Overall	0.90	0.60	<0.001	
	2012	0.89	0.48	<0.001	
Mobile internet	2017	0.92	0.76	0.006	
	Overall	0.66	0.60	<0.001	
	2012	0.46	0.22	0.001	
Other apps	2017	0.48	0.43	0.54	
	Overall	0.47	0.31	0.002	

Supplementary Table S5c:

Patient comfort with technology and technology-based support stratified by diabetes type

Tashualasu /		Type 1	Type 2	
Technology / Tech-based support	Year	Proportion who are comfortable or very comfortable	Proportion who are comfortable or very comfortable	p value
	2012	0.83	0.52	<0.001
Technology in general	2017	0.71	0.70	0.98
· ·	Overall	0.77	0.60	0.001
		,	,	
	2012	0.76	0.55	0.008
Technology in diabetes	2017	0.70	0.66	0.71
	Overall	0.73	0.60	0.02
	_			
Email contact	2012	0.80	0.60	0.007
from Diabetes	2017	0.69	0.62	0.38
Centre	Overall	0.75	0.61	0.009
	1	Γ	Г	
Web-based	2012	0.46	0.28	0.01
diabetes	2017	0.40	0.33	0.42
consultation	Overall	0.43	0.30	0.01
_	1	Γ		
Online	2012	0.25	0.22	0.71
diabetes	2017	0.37	0.30	0.39
support group	Overall	0.31	0.25	0.27

Supplementary Table S6a:

Comparison of self-reported access to technology in type 1 and type 2 diabetes, stratified by age group of respondent (<40 vs ≥40 years of age)

		Type 1	Type 2			
Technology	Year	Proportion with access	Proportion with access	p value		
		446655	40000			
	<40	0.91	0.87	0.84		
Computer	≥40	0.85	0.69	0.02		
	Overall	0.88	0.70	<0.001		
	<40	0.38	0.43	0.80		
Tablet	≥40	0.40	0.27	0.08		
	Overall	0.39	0.29	0.05		
	<40	0.98	0.83	0.02		
Mobile phone	≥40	0.97	0.80	0.004		
	Overall	0.98	0.80	<0.001		
	<40	0.94	0.97	0.91		
Internet access	≥40	0.90	0.76	0.04		
	Overall	0.92	0.78	0.001		
	<40	0	0	-		
No technology	≥40	0.02	0.11	0.06		
	Overall	0.01	0.10	0.003		

Comparison of mobile phone feature utilization in type 1 and type 2 diabetes, stratified by age group of respondent (<40 vs ≥40 years of age)

		Type 1	Type 2		
Feature	Year	Proportion	Proportion	p value	
		utilizing feature	utilizing feature		
	<40	0.97	0.93	0.79	
Phone calls	≥40	0.95	0.85	0.08	
	Overall	0.96	0.86	0.006	
	<40	0.98	0.86	0.06	
SMS	≥40	0.85	0.58	<0.001	
	Overall	0.92	0.60	<0.001	
	<40	0.83	0.86	0.89	
Mobile internet	≥40	0.50	0.34	0.03	
	Overall	0.67	0.39	<0.001	
	<40	0.64	0.62	1	
Other apps	≥40	0.31	0.28	0.71	
	Overall	0.48	0.31	0.001	

Supplementary Table S6c:

Comparison of patient comfort levels in type 1 and type 2 diabetes, stratified by age group of respondent (<40 vs ≥40 years of age)

Technology / Tech-based support	Year	Type 1 Proportion who are comfortable or very comfortable	Type 2 Proportion who are comfortable or very comfortable	p value
	<40	0.86	0.90	0.79
Technology in general	≥40	0.70	0.57	0.08
0	Overall	0.78	0.60	<0.001
	<40	0.82	0.80	1
Technology in diabetes	≥40	0.65	0.58	0.37
	Overall	0.74	0.60	0.009
Email contact	<40	0.79	0.77	0.98
from Diabetes	≥40	0.72	0.60	0.11
Centre	Overall	0.76	0.61	0.005
Web-based	<40	0.49	0.48	1
diabetes	≥40	0.36	0.28	0.32
consultation	Overall	0.43	0.30	0.01
	1		<u>, </u>	
Online	<40	0.38	0.27	0.42
diabetes	≥40	0.25	0.25	1
support group	Overall	0.32	0.25	0.25

Supplementary Table S7a:

Self-reported access to technology in 2017 (GDM vs non-GDM respondents aged <40 years)

Tashnalagu	GDM (n=75)	Non-GDM (n=54)	n valua
Technology	Proportion with access	Proportion with access	p value
Computer	0.84	0.85	0.85
Tablet	0.79	0.56	0.005
Mobile	0.91	0.91	0.99
Internet access	0.96	0.96	0.95
No technology	0	0	-

Supplementary Table S7b:

Mobile phone feature utilization in 2017 (GDM vs non-GDM respondents aged <40 years)

Feature	GDM (n=75) Proportion who utilize feature	Non-GDM (n=54) Proportion who utilize feature	p value
Phone calls	0.84	0.90	0.30
SMS	0.93	0.85	0.11
Mobile internet	0.87	0.89	0.76
Other apps	0.53	0.56	0.79

Supplementary Table S7c:

Patient comfort with technology and technology-based support in 2017 (GDM vs non-GDM respondents aged<40 years)

Technology / Tech-based support	GDM (n=75) Proportion reporting comfort	Non-GDM (n=54) Proportion reporting comfort	p value
Technology in General	0.96	0.85	0.06
Technology in diabetes	0.92	0.79	0.04
Email contact from Diabetes Centre	0.91	0.74	0.01
Web-based diabetes Consultation	0.53	0.44	0.35
Online diabetes support group	0.35	0.31	0.66

SUPPLEMENTARY MATERIAL

Supplementary Figure S1

Technology and Diabetes Survey Diabetes Centre Royal Prince Alfred Hospital



If you have already done this survey, please inform the staff. You only need to do it once!

If you do not understand a question or you are not sure of an answer, please leave it blank.

(1) What language do you mainly speak at home? (2) What is your gender? O Male O Female (3) In which age group do you belong? O Under 20 O 50 to 59 O 20 to 29 O 60 to 69 O 30 to 39 O 70+ O 40 to 49 (4) What is the postcode of your home address? (5) Which of the following devices do you have access to at home? (Tick more than one if necessary) Computer (desktop or laptop) Printer Webcam Tablet (iPad or similar) Mobile phone None of the above (6) For those who own mobile phones, which features of your mobile phone do you make use of? (Tick more than one if necessary) Phone calls SMS (Text messaging) Mobile internet Other applications (eg. games, calendars etc) (7) What sort of internet connection do you have at home? (Tick more than one if necessary) Do not have one Have one but don't know which type Dial-up Wireless USB stick / mobile internet ADSL Cable Satellite National Broadband Network fibre to the home	an answer, please leave it blank.					
(3) In which age group do you belong? O Under 20 O 50 to 59 O 20 to 29 O 60 to 69 O 30 to 39 O 70+ O 40 to 49 (4) What is the postcode of your home address? (5) Which of the following devices do you have access to at home? (Tick more than one if necessary) O Computer (desktop or laptop) Printer Webcam Tablet (iPad or similar) Mobile phone None of the above (6) For those who own mobile phones, which features of your mobile phone do you make use of? (Tick more than one if necessary) Phone calls SMS (Text messaging) Mobile internet O ther applications (eg. games, calendars etc) (7) What sort of internet connection do you have at home? (Tick more than one if necessary) Do not have one Have one but don't know which type Dial-up Wireless USB stick / mobile internet ADSL Cable Satellite National Broadband Network fibre to the home	(1) What language do you mainly speak at home?					
(3) In which age group do you belong? O Under 20 O 50 to 59 O 20 to 29 O 60 to 69 O 30 to 39 O 70+ O 40 to 49 (4) What is the postcode of your home address? (5) Which of the following devices do you have access to at home? (Tick more than one if necessary) O Computer (desktop or laptop) Printer Webcam Tablet (iPad or similar) Mobile phone None of the above (6) For those who own mobile phones, which features of your mobile phone do you make use of? (Tick more than one if necessary) Phone calls SMS (Text messaging) Mobile internet O ther applications (eg. games, calendars etc) (7) What sort of internet connection do you have at home? (Tick more than one if necessary) Do not have one Have one but don't know which type Dial-up Wireless USB stick / mobile internet ADSL Cable Satellite National Broadband Network fibre to the home	(2)) What is your gender?				
o Under 20 o 50 to 59 o 20 to 29 o 60 to 69 o 30 to 39 o 70+ o 40 to 49 (4) What is the postcode of your home address? (5) Which of the following devices do you have access to at home? (Tick more than one if necessary) o Computer (desktop or laptop) Printer Webcam Tablet (iPad or similar) Mobile phone None of the above (6) For those who own mobile phones, which features of your mobile phone do you make use of? (Tick more than one if necessary) Phone calls SMS (Text messaging) Mobile internet Other applications (eg. games, calendars etc) (7) What sort of internet connection do you have at home? (Tick more than one if necessary) Do not have one Have one but don't know which type Dial-up Wireless USB stick / mobile internet ADSL Cable Satellite National Broadband Network fibre to the home		·	Female			
o Under 20 o 50 to 59 o 20 to 29 o 60 to 69 o 30 to 39 o 70+ o 40 to 49 (4) What is the postcode of your home address? (5) Which of the following devices do you have access to at home? (Tick more than one if necessary) o Computer (desktop or laptop) Printer Webcam Tablet (iPad or similar) Mobile phone None of the above (6) For those who own mobile phones, which features of your mobile phone do you make use of? (Tick more than one if necessary) Phone calls SMS (Text messaging) Mobile internet Other applications (eg. games, calendars etc) (7) What sort of internet connection do you have at home? (Tick more than one if necessary) Do not have one Have one but don't know which type Dial-up Wireless USB stick / mobile internet ADSL Cable Satellite National Broadband Network fibre to the home	(3)) In which age group do vo	u belong?			
o 20 to 29 o 60 to 69 o 30 to 39 o 70+ o 40 to 49 (4) What is the postcode of your home address? (5) Which of the following devices do you have access to at home? (Tick more than one if necessary) o Computer (desktop or laptop) Printer Webcam Tablet (iPad or similar) Mobile phone None of the above (6) For those who own mobile phones, which features of your mobile phone do you make use of? (Tick more than one if necessary) Phone calls SMS (Text messaging) Mobile internet Other applications (eg. games, calendars etc) (7) What sort of internet connection do you have at home? (Tick more than one if necessary) Do not have one Have one but don't know which type Dial-up Wireless USB stick / mobile internet ADSL Cable Satellite National Broadband Network fibre to the home			_			
(4) What is the postcode of your home address? (5) Which of the following devices do you have access to at home? (Tick more than one if necessary) Computer (desktop or laptop) Printer Webcam Tablet (iPad or similar) Mobile phone None of the above (6) For those who own mobile phones, which features of your mobile phone do you make use of? (Tick more than one if necessary) Phone calls SMS (Text messaging) Mobile internet Other applications (eg. games, calendars etc) (7) What sort of internet connection do you have at home? (Tick more than one if necessary) Do not have one Have one but don't know which type Dial-up Wireless USB stick / mobile internet ADSL Cable Satellite National Broadband Network fibre to the home	О		60 to 69			
(4) What is the postcode of your home address? (5) Which of the following devices do you have access to at home? (Tick more than one if necessary) Computer (desktop or laptop) Printer Webcam Tablet (iPad or similar) Mobile phone None of the above (6) For those who own mobile phones, which features of your mobile phone do you make use of? (Tick more than one if necessary) Phone calls SMS (Text messaging) Mobile internet Other applications (eg. games, calendars etc) (7) What sort of internet connection do you have at home? (Tick more than one if necessary) Do not have one Have one but don't know which type Dial-up Wireless USB stick / mobile internet ADSL Cable Satellite National Broadband Network fibre to the home	О	30 to 39 o	70+			
(5) Which of the following devices do you have access to at home? (Tick more than one if necessary) Computer (desktop or laptop) Printer Webcam Tablet (iPad or similar) Mobile phone None of the above (6) For those who own mobile phones, which features of your mobile phone do you make use of? (Tick more than one if necessary) Phone calls SMS (Text messaging) Mobile internet Other applications (eg. games, calendars etc) (7) What sort of internet connection do you have at home? (Tick more than one if necessary) Do not have one Have one but don't know which type Dial-up Wireless USB stick / mobile internet ADSL Cable Satellite National Broadband Network fibre to the home	0	40 to 49				
home? (Tick more than one if necessary) Computer (desktop or laptop) Printer Webcam Tablet (iPad or similar) Mobile phone None of the above (6) For those who own mobile phones, which features of your mobile phone do you make use of? (Tick more than one if necessary) Phone calls SMS (Text messaging) Mobile internet Other applications (eg. games, calendars etc) (7) What sort of internet connection do you have at home? (Tick more than one if necessary) Do not have one Have one but don't know which type Dial-up Wireless USB stick / mobile internet ADSL Cable Satellite National Broadband Network fibre to the home	(4)) What is the postcode of y	our home address?			
home? (Tick more than one if necessary) Computer (desktop or laptop) Printer Webcam Tablet (iPad or similar) Mobile phone None of the above (6) For those who own mobile phones, which features of your mobile phone do you make use of? (Tick more than one if necessary) Phone calls SMS (Text messaging) Mobile internet Other applications (eg. games, calendars etc) (7) What sort of internet connection do you have at home? (Tick more than one if necessary) Do not have one Have one but don't know which type Dial-up Wireless USB stick / mobile internet ADSL Cable Satellite National Broadband Network fibre to the home						
 Computer (desktop or laptop) Printer Webcam Tablet (iPad or similar) Mobile phone None of the above (6) For those who own mobile phones, which features of your mobile phone do you make use of? (Tick more than one if necessary) Phone calls SMS (Text messaging) Mobile internet Other applications (eg. games, calendars etc) (7) What sort of internet connection do you have at home? (Tick more than one if necessary) Do not have one Have one but don't know which type Dial-up Wireless USB stick / mobile internet ADSL Cable Satellite National Broadband Network fibre to the home 		•	•			
 Printer Webcam Tablet (iPad or similar) Mobile phone None of the above (6) For those who own mobile phones, which features of your mobile phone do you make use of? (Tick more than one if necessary) Phone calls SMS (Text messaging) Mobile internet Other applications (eg. games, calendars etc) (7) What sort of internet connection do you have at home? (Tick more than one if necessary) Do not have one Have one but don't know which type Dial-up Wireless USB stick / mobile internet ADSL Cable Satellite National Broadband Network fibre to the home 		·	• •			
 Webcam Tablet (iPad or similar) Mobile phone None of the above (6) For those who own mobile phones, which features of your mobile phone do you make use of? (Tick more than one if necessary) Phone calls SMS (Text messaging) Mobile internet Other applications (eg. games, calendars etc) (7) What sort of internet connection do you have at home? (Tick more than one if necessary) Do not have one Have one but don't know which type Dial-up Wireless USB stick / mobile internet ADSL Cable Satellite National Broadband Network fibre to the home 			ριορ)			
 Tablet (iPad or similar) Mobile phone None of the above (6) For those who own mobile phones, which features of your mobile phone do you make use of? (Tick more than one if necessary) Phone calls SMS (Text messaging) Mobile internet Other applications (eg. games, calendars etc) (7) What sort of internet connection do you have at home? (Tick more than one if necessary) Do not have one Have one but don't know which type Dial-up Wireless USB stick / mobile internet ADSL Cable Satellite National Broadband Network fibre to the home 						
 Mobile phone None of the above (6) For those who own mobile phones, which features of your mobile phone do you make use of? (Tick more than one if necessary) Phone calls SMS (Text messaging) Mobile internet Other applications (eg. games, calendars etc) (7) What sort of internet connection do you have at home? (Tick more than one if necessary) Do not have one Have one but don't know which type Dial-up Wireless USB stick / mobile internet ADSL Cable Satellite National Broadband Network fibre to the home 						
 None of the above (6) For those who own mobile phones, which features of your mobile phone do you make use of? (Tick more than one if necessary) Phone calls SMS (Text messaging) Mobile internet Other applications (eg. games, calendars etc) (7) What sort of internet connection do you have at home? (Tick more than one if necessary) Do not have one Have one but don't know which type Dial-up Wireless USB stick / mobile internet ADSL Cable Satellite National Broadband Network fibre to the home 						
mobile phone do you make use of? (Tick more than one if necessary) Phone calls SMS (Text messaging) Mobile internet Other applications (eg. games, calendars etc) (7) What sort of internet connection do you have at home? (Tick more than one if necessary) Do not have one Have one but don't know which type Dial-up Wireless USB stick / mobile internet ADSL Cable Satellite National Broadband Network fibre to the home		·				
mobile phone do you make use of? (Tick more than one if necessary) Phone calls SMS (Text messaging) Mobile internet Other applications (eg. games, calendars etc) (7) What sort of internet connection do you have at home? (Tick more than one if necessary) Do not have one Have one but don't know which type Dial-up Wireless USB stick / mobile internet ADSL Cable Satellite National Broadband Network fibre to the home						
 Phone calls SMS (Text messaging) Mobile internet Other applications (eg. games, calendars etc) (7) What sort of internet connection do you have at home? (Tick more than one if necessary) Do not have one Have one but don't know which type Dial-up Wireless USB stick / mobile internet ADSL Cable Satellite National Broadband Network fibre to the home 	mc	obile phone do you make ι				
 SMS (Text messaging) Mobile internet Other applications (eg. games, calendars etc) (7) What sort of internet connection do you have at home? (Tick more than one if necessary) Do not have one Have one but don't know which type Dial-up Wireless USB stick / mobile internet ADSL Cable Satellite National Broadband Network fibre to the home 		• •				
 Mobile internet Other applications (eg. games, calendars etc) (7) What sort of internet connection do you have at home? (Tick more than one if necessary) Do not have one Have one but don't know which type Dial-up Wireless USB stick / mobile internet ADSL Cable Satellite National Broadband Network fibre to the home 						
Other applications (eg. games, calendars etc) (7) What sort of internet connection do you have at home? (Tick more than one if necessary) Do not have one Have one but don't know which type Dial-up Wireless USB stick / mobile internet ADSL Cable Satellite National Broadband Network fibre to the home						
(7) What sort of internet connection do you have at home? (Tick more than one if necessary) Do not have one Have one but don't know which type Dial-up Wireless USB stick / mobile internet ADSL Cable Satellite National Broadband Network fibre to the home			ramos calendars etc)			
(Tick more than one if necessary) Do not have one Have one but don't know which type Dial-up Wireless USB stick / mobile internet ADSL Cable Satellite National Broadband Network fibre to the home	0	Other applications (eg. g	airies, caleridars etc)			
 Do not have one Have one but don't know which type Dial-up Wireless USB stick / mobile internet ADSL Cable Satellite National Broadband Network fibre to the home 						
 Have one but don't know which type Dial-up Wireless USB stick / mobile internet ADSL Cable Satellite National Broadband Network fibre to the home 	(Ti		sary)			
 Dial-up Wireless USB stick / mobile internet ADSL Cable Satellite National Broadband Network fibre to the home 	0					
 Wireless USB stick / mobile internet ADSL Cable Satellite National Broadband Network fibre to the home 	0		w which type			
 ADSL Cable Satellite National Broadband Network fibre to the home 	0					
 Cable Satellite National Broadband Network fibre to the home 	0	· ·	oile internet			
 Satellite National Broadband Network fibre to the home 	0	_				
National Broadband Network fibre to the home						
(8) Do you know what these symbols represent?	0	National Broadband Net	work fibre to the home			
	(8)) Do you know what these	symbols represent?			

Yes o

No

Yes o

No

(9) Do you search for health information on the internet? o Yes o No
(10) Have you used the Diabetes Australia or ADC website? o Yes o No
(11) Which other diabetes websites do you use?
 (12) How comfortable are you with technology in general? Not at all comfortable A little uncomfortable Neither comfortable nor uncomfortable Comfortable Very comfortable
 (13) How comfortable are you with increasing the use of technology in the care of your diabetes? Not at all comfortable A little uncomfortable Neither comfortable nor uncomfortable Comfortable Very comfortable
(14) Would you be comfortable with your Diabetes Centre contacting you about your diabetes care by email?
o Yes o No o Undecided
(15) Would you be comfortable with having a diabetes consultation over the internet (using a web camera) with your regular diabetes doctor? O Yes O NO O Undecided
(16) Would you be interested in joining an online diabetes
support group? o Yes o No o Undecided
(17) What type of diabetes do you have? o Type 1 o Type 2 o Gestational o Don't know
(18) Do you take insulin? o Yes o No
(19) On average, how many times per day do you test your blood sugars at home? o I do not own a blood glucose meter o 0 o 1-2

o 3-4

o 5 or more

(20) Have you ever connected a glucose meter to a computer to print out your blood sugar readings?

- Yes, at home
- o Yes, at the Diabetes Centre
- o No

Thank you for completing this anonymous survey. Please hand your completed survey to one of the staff members.