

Supplementary Material

S1: Rapid Digital Survey. Promotional material

The screenshot shows the Diabetes UK website header with the logo "Diabetes UK" and the tagline "Know Diabetes. Fight Diabetes." To the right, there is a phone number "0345 123 2399" and a "Donate" button. Below the header is a navigation menu with links for "Forum", "Membership", "Professionals", "Shop", "Learning Zone", and "Diabetes and Me". A search bar is also present. The breadcrumb trail reads "Home > Research > Attending eye screening". The main heading is "SURVEY EXPLORING YOUNG ADULTS' VIEWS ON ATTENDING EYE SCREENING". Below the heading, it says "Online study | City University of London" and "Survey exploring young adults' views about factors influencing diabetic eye screening attendance in the UK". The main text describes the survey, its purpose, and provides a link to "take part here". It also mentions a prize draw for £20 vouchers. Contact information for Professor John Lawrenson is provided at the bottom.

Diabetes UK
KNOW DIABETES. FIGHT DIABETES.

TALK TO US ABOUT DIABETES
0345 123 2399 [Donate](#)

[Forum](#) [Membership](#) [Professionals](#) [Shop](#) [Learning Zone](#) [Diabetes and Me](#)

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[Home](#) > [Research](#) > Attending eye screening [Remove page](#)

SURVEY EXPLORING YOUNG ADULTS' VIEWS ON ATTENDING EYE SCREENING

[Online study](#) | City University of London

Survey exploring young adults' views about factors influencing diabetic eye screening attendance in the UK

Survey exploring young adults' views about factors influencing diabetic eye screening attendance in the UK

Researchers at City University of London would like to invite people aged 18-34 years living with diabetes, to complete an online survey that explores a number of issues that may affect their attendance at diabetic eye screening and views on the screening process. The information you provide will help the researchers to make specific recommendations to improve the eye screening service.

The survey will take approximately 10 minutes to complete and you can [take part here](#).

There will be an opportunity to enter a prize draw to win one of twenty Love2shop £20 vouchers.

For more information please contact Professor John Lawrenson at j.g.lawrenson@city.ac.uk

The screenshot shows the JDRF website with a navigation bar at the top containing links for 'Information & support', 'Our research', 'Get involved', 'News & media', 'About us', 'For professionals', and a 'Donate' button. Below the navigation is a breadcrumb trail: 'Home > News > Survey exploring young adults' views about factors influencing diabetic eye screening attendance in the UK'. The main heading is 'Survey exploring young adults' views about factors influencing diabetic eye screening attendance in the UK', dated 'Posted on 03 June 2021'. The text describes a survey by researchers at City University of London for people aged 18-34 with diabetes, aiming to improve eye screening services. It mentions a 10-minute completion time and a prize draw for £20 vouchers. Contact information for Professor John Lawrenson is provided. Below the survey text is a red sign-up box with the text 'Keep up to date with the latest type 1 diabetes research, news and events from 2021', an email input field, and a 'Sign up' button. At the bottom, there is a blue section with the heading 'Help us create a world without type 1 diabetes' and a 'Donate' button. This section includes a brief description of JDRF's mission, social media links for Twitter, Facebook, LinkedIn, and Instagram, and an 'E-newsletter' link. A 'Professional and Regulatory Regulator' logo is also present. The footer contains copyright information for 2021.

S2: Copy of Rapid Digital Survey



Rapid Digital Survey

The purpose of the survey is to explore young adults' views about factors influencing diabetic eye screening attendance. The information you provide will help us to make recommendations in order to improve the eye screening service.

The survey will take approximately 10 minutes to complete. Before completing the survey, you will be asked to provide your consent to participate and some information about yourself. The information you provide will be used to describe who took part in our survey as a whole. Everyone's responses will be combined so you will not be identifiable.

Should you wish to enter the prize draw, you will be asked to provide a contact e-mail address. **Your e-mail address will be separated and stored separately from your survey responses, and will only be used to contact you if you are picked from the prize draw to win a £20 Love2shop voucher. Following the prize draw, all e-mail addresses provided will be deleted.**

This survey is part of a wider study (the EROS study), which has been approved by Wales Research Ethics Committee 2 (REC reference: 19/WA/0228). If you have any questions or concerns regarding completing the survey, please e-mail the principal investigator Prof John Lawrenson: J.G.Lawrenson@city.ac.uk

Thank you for taking the time to take part in our survey,

The EROS Study team

- I understand that my participation is voluntary and that I am free to withdraw at any time without giving a reason and without my legal rights being affected
- I understand that all data and results from this study will be treated strictly confidential and anonymised, so that no individual can be identified from the data.
- I understand that data collected about me during this study will be stored on a secure database at City, University of London for use by the research team to enable them to analyse the data
- I agree to take part in this study

1. Where do you live:

- England
- Northern Ireland
- Scotland
- Wales

2. Which of the following best describes the area you live in:

- Urban (e.g. city centre)
- Suburban (e.g. residential area on the edge of a large town/city)
- Rural (e.g. countryside)

3. Your age group:

- 18-23 years
- 24-29 years
- 30-34 years

4. Gender:

- Male
- Female
- Other _____
- Prefer not to say

5. Ethnicity:

A: British	<input type="checkbox"/>	J: Bangladeshi	<input type="checkbox"/>
B: Irish	<input type="checkbox"/>	K: Any other Asian background	<input type="checkbox"/>
C: Any other White background	<input type="checkbox"/>	L: Caribbean	<input type="checkbox"/>
D: White and Black Caribbean	<input type="checkbox"/>	M: African	<input type="checkbox"/>
E: White and Black African	<input type="checkbox"/>	N: Any other Black background	<input type="checkbox"/>
F: White and Asian	<input type="checkbox"/>	O: Chinese	<input type="checkbox"/>
G: Any other mixed background	<input type="checkbox"/>	P: Any other ethnic group	<input type="checkbox"/>
H: Indian	<input type="checkbox"/>	Prefer not to say	<input type="checkbox"/>
I: Pakistani	<input type="checkbox"/>		

6. Highest level of education:

- Secondary school (e.g. GCSEs, National 5s)
- Further education (e.g. AS/A-levels, Scottish Higher/Advanced Higher)
- Bachelor's degree or more (e.g. BSc/BA, MSc, PhD)
- Other _____
- Prefer not to say

7. Main occupation:

- Full-time job
- Part-time job
- Studying full-time
- Studying part-time
- Self-employed
- Unemployed
- Other _____
- Prefer not to say

8. Type of diabetes:

- Type 1 diabetes
- Type 2 diabetes
- If other please specify _____

9. Approximate year you received your diabetes diagnosis: _____

10. The number of diabetic eye screening appointments I have attended in the last 3 years is _____

11. The number of diabetic eye screening appointments I have chosen not to attend in the last 3 years is _____

12. The number of diabetic eye screening appointments I have forgotten and rescheduled in the last 3 years is _____

Please read each statement below and indicate your agreement by choosing one of five responses:

Strongly agree
Somewhat agree
Neither agree nor disagree
Somewhat disagree
Strongly disagree

[Presented in 3 x blocks of 10]

1.	'Diabetes education and training covers eye screening in detail'				
	1	2	3	4	5
2.	'I feel comfortable disclosing to others that I have diabetes'				
	1	2	3	4	5
3.	'Attending diabetic eye screening can help detect problems with my eyes early'				
	1	2	3	4	5
4.	'I will attend all my future diabetic eye screening appointments'				
	1	2	3	4	5
5.	'It is easy to forget to attend diabetic eye screening appointments'				
	1	2	3	4	5
6.	'My diabetic eye screening appointments are at a different time and place to my other diabetes appointments'				
	1	2	3	4	5
7.	'I worry about diabetic retinopathy'				
	1	2	3	4	5
8.	'I have developed strategies to help me remember to attend my diabetic eye screening appointments'				

	1	2	3	4	5
9.	'I do not understand why diabetic eye screening is conducted'				
	1	2	3	4	5
10.	'Attending diabetic eye screening appointments is a high priority in terms of diabetes management'				
	1	2	3	4	5
11.	'Reminders (e.g. text messages, phone calls) about my diabetic eye screening appointments are helpful'				
	1	2	3	4	5
12.	'I am unable to get time off work/study to attend diabetic eye screening appointments'				
	1	2	3	4	5
13.	'My doctors and nurses check whether I have attended my eye screening and encourage me to attend '				
	1	2	3	4	5
14.	'I sometimes feel overwhelmed due to my diabetes'				
	1	2	3	4	5
15.	'There is a lack of awareness amongst the general public that younger people can have diabetes'				
	1	2	3	4	5
16.	'I would like to meet more young people with diabetes'				
	1	2	3	4	5
17.	'I think that I manage my diabetes well'				
	1	2	3	4	5
18.	'I feel pressured to attend my diabetic eye screening appointments'				
	1	2	3	4	5
19.	'Attending diabetic eye screening appointments would be a higher priority for me if I experienced problems with my eyes'				
	1	2	3	4	5
20.	'I would like to be offered more options for appointment days/times when booking diabetic eye screening appointments'				
	1	2	3	4	5
21.	'I find seeing older people with worse complications in the eye screening waiting room upsetting'				
	1	2	3	4	5
22.	'I feel reassured by attending diabetic eye screening'				

	1	2	3	4	5
23.	'I do not know what treatments are available if diabetic retinopathy is detected'				
	1	2	3	4	5
24.	'The eye drops which dilate your pupils before screening are unpleasant'				
	1	2	3	4	5
25.	'I am not notified of my appointment (e.g. by letter/text message)'				
	1	2	3	4	5
26.	'I have had bad experiences when discussing diabetic eye screening with healthcare professionals'				
	1	2	3	4	5
27.	'I feel anxious about receiving my diabetic eye screening results'				
	1	2	3	4	5
28.	'Diabetic eye screening appointments take up too much time in my day'				
	1	2	3	4	5
29.	'Diabetic eye screening appointment letters are sent too far in advance'				
	1	2	3	4	5
30.	'I would like more support and information following my diabetic eye screening results'				
	1	2	3	4	5

Please describe any other factors which influence your attendance at diabetic eye screening which we have not covered

Free text box

Please provide a contact e-mail address so we can include you in the prize draw

Free text box

Thank you for taking the time to complete this survey

3: Rapid Digital Survey. Free text comments regarding other factors influencing DRS attendance

Q23

Please describe any other factors which influence your attendance at diabetic eye screening which we have not covered

Theme: IMPACT OF THE COVID PANDEMIC

- Epidemic virus
- Covid pandemic
- Last appointment later due to Covid

THEME: IMPACT OF EYEDROPS/TRANSPORT ISSUES

Subtheme: *side effects of the eye drops, including blurred vision and light sensitivity impairing ability to read and drive; dependence on others for transport*

- 'Not able to drive somewhat dependant on others'
- 'Not being able to drive and therefore having to find transport'
- 'I can't read with dilated pupils so no use me going in for the afternoon) and as I need a lift to get there my husband also has to use annual leave'
- 'With the drops you can't drive but it's also hard to then see where the train is. The drops knock me out for the rest of the day and really affect work and everything'
- 'Just that your eyes stay blurry for the whole day so it almost means you have to have the rest of the day off work if you have to read things as part of your job like I do. Would be better if they did eye screens in the evening so the drops water off when you're not trying to work'
- They can be difficult to get to, especially as you cannot drive-in one occasion I had to get 3 buses which took nearly 2 hours-the return trip with dilated pupils wasn't fun.
- 'Some staff being too rigid on guidelines around the eye drops, my pupils are always huge and some staff don't give me the drops and some say they have to even though I don't need them just because I'm over 25'
- Sometimes it's hard someone to attend the appointment with me. Which can make attendance more difficult'

Subthemes: *getting to and from the screening venue*

- 'It would be easier if it was easier to get to'. '
- 'Locations easy to access on public transport'
- 'Travel distance and routes'
- 'Distance of screening location'

THEME: APPOINTMENT FLEXIBILITY

Subtheme: *desire for appointments at a more convenient time e.g. weekends*

- 'Try to give slots for weekends'

<ul style="list-style-type: none"> • 'I haven't received any appointments' • 'I'm really unorganised and struggle to book time off work and then end up forgetting the appointment entirely. Possibly related to dyslexia.' • 'They can also be inflexible-the nearest one to me only does Tuesday mornings'
<p>THEME: ISSUES WITH RESULTS</p> <p><i>Subtheme: timeliness and desire for more information/support following results</i></p> <ul style="list-style-type: none"> • 'Last time my results weren't sent to me and I had to chase for them. Results need to be provided in a timely fashion' • 'I always receive letters that are extremely distressing and usually on a weekend when I cannot call anyone. Such as, "if things continue you will go blind in one eye" it is so scary and that is what I dread about these appointments.' • I was notified that I had some eye damage- but it didn't need to be treated at this point- no one contacted me or explained the letter. • Lack of guidance on how important it is, how to look after the eyes, nervousness of results' • 'Also no one will tell you anything- what can you see? Is it worse than last year? Is it better? They just say wait for the results and 6 weeks of anxiety later you get a generic letter and leaflet with a grade on it but no details-fine it's background but is it better/worse what is going on with my eyes?!' <p><i>Subtheme: sharing of data with other HCPs</i></p> <ul style="list-style-type: none"> • 'Oh and my diabetologist can't view the results, he relays on me to tell them the grading.'
<p>INTERACTIONS WITH SCREENING STAFF</p> <ul style="list-style-type: none"> • 'To be honest I find it kind of pointless as my Opticians maintains a better, easier access for support and help if I feel there is a problem, also they explain the results the doctors at the screen don't tell me anything.' • 'Unknowledgeable screening staff saying everything looks fine then getting a letter stating background retinopathy is very disheartening.' • 'Horrible always being surrounded by old people in the waiting room - would LOVE a clinic just for younger people, helps to meet people in situations like mine.'
<p>THEME: FEAR OF LOSING VISION</p> <ul style="list-style-type: none"> • 'My mother In law lost her eye due to diabetic' • 'Fear of sight problems and loss' • 'Nothing else just that its important to keep on top of check-ups to avoid complications in the future with my eyes' • 'Know someone who suffered diabetic retinopathy'
<p>OTHER</p> <ul style="list-style-type: none"> • 'In pregnancy I have to attend an eye hospital retinal screening appointment every 8 weeks until 2 months after delivery.' • 'So far the diabetic screening where I attended is very efficient' • 'Screening feels like it's not for my benefit or my care but to meet a target'