

The Diabetic Retinopathy Barometer Report

Global Findings: Appendices





Contents

Appendix I	1
Phase I: Qualitative Interview Guide for Individuals with Diabetes	
Appendix II	7
Phase I: Qualitative Interview Guide for Providers	
Appendix III	10
World Bank Income Groups	
Appendix IV	13
Phase II: Quantitative Patient Survey	
Appendix V	26
Phase II: Quantitative Provider Survey	
Appendix VI	38
Phase II: Quantitative Global Results	



Appendix I

“Individual With Diabetes” Qualitative Interview Guide

Thank you for agreeing to participate in an interview for the Diabetic Retinopathy Barometer Study. The interview has four main parts.

Appendix I: Phase I: Qualitative Interview Guide for Individuals with Diabetes

First, I will ask you some questions about yourself and where you live.

Second, I will ask you about your health, focusing mostly on diabetes.

Third, I will ask you about eye health and eye care.

**Finally, I will ask you about services for diabetes and eye health,
and for your suggestions regarding these services.**

Section 1

1. Briefly, can you tell me about where you live? [name of town/city]

- a. Approximately how large is [name of place]?
- b. [If “small”], is it easy to travel from there to an urban center?

2. How long have you lived there?

- a. Do you have close family or friends that live near to [name of place]? Who/relationship?

3. Do you work—either for pay or not?

- a. If yes, what kind of work do you do? Is it full time?
- b. If no, had you worked in the past?
 - i. When and why did you stop working?

4. What is your ethnicity?

- a. Do you feel [your ethnic group] has any health or access issues, different from other groups or the general population?

5. What is your birth date?

6. Confirm gender

7. How far did you go in school?

Appendix I: Phase I: Qualitative Interview Guide for Individuals with Diabetes

Section 2

Next, I'd like to ask you about your health. As you know, we're particularly interested in diabetes and its complications.

8. When were you diagnosed with diabetes? How old were you?

- a. How did you find out you had diabetes? Did you have symptoms?
- b. Do you have Type 1 or 2?

9. Is your diabetes controlled?

Can you talk a little about how you are managing your health, specifically:

10. How important is it to you to be very knowledgeable about diabetes?

- a. What kinds of things are most important for you to know about?

11. Have you received any specific diabetes education? If yes, from who?

- a. What did the education include?
- b. Did the person discuss complications of diabetes? What did she or he say?
- c. To what extent and in what ways was this information helpful to you?

12. What information sources have you used most often to learn about diabetes (people, providers, books, internet)

- a. Do you feel you have access to the information you need? Do you feel that the information is easy enough to understand? Do you feel that the information is reliable?
- b. What are the gaps or problems with the information available to you?

13. How often do you see a doctor or other health care provider about diabetes?

- a. What type of providers do you see? (primary care, specialist, both)?
- b. How did you choose these providers?
- c. How long have you been seeing this/these provider(s)?
- d. How do you pay for these services? Does cost affect your access to services?

14. Can you talk a little about the care you are receiving?

- a. What does your care involve (e.g. attending a clinic, meeting with different providers, screening or health checks)
- b. Is it easy to access? (location, hours)
 - i. Are there any access issues that impact on your use of services? (please describe)
- c. Are you satisfied with the quality of the care? What are the strengths and weaknesses?

15. Do you take medications for diabetes?

- a. What do you take and how often? Do you have trouble taking your medications? (explain)

**16. What else do you do to manage your diabetes?
(e.g. diet, lifestyle, physical activity)**

17. Has having diabetes affected your daily life much? Can you explain?

- a. Have you had complications? What complications have you had?

18. Do you have other medical conditions? (what are they?)

- a. How would you describe your health in general (excellent, very good, fair or poor)?

**19. Do you have someone who helps you with your health and healthcare management
(e.g. schedule and/or takes you to medical appointments or helps with finger sticks)?**

Section 3

Next I'd like to ask you about vision issues, particularly as they relate to diabetes.

20. Can you tell me a little of what you know about connections between diabetes and vision issues?

- a. (if has some knowledge) Where have you learned about this connection?

**21. Does your diabetes doctor talk to you about vision issues?
Does s/he provide vision services, including screening or treatment?**

22. Do you have vision issues, including vision loss or blurry vision? (please describe)

**23. Have you ever been told that you have diabetic eye disease
(retinopathy or macular edema)? When were you diagnosed?**

Appendix I: Phase I:

Qualitative Interview Guide for Individuals with Diabetes

If no to vision issues/DR/DME

24. Do you get your eyes checked?

- a. When was the last time? How often do you get this done?
- b. Where do you go to get your eyes checked? Who does it?
- c. Do you know what they are checking for?

25. How important is vision screening and care to you?

If yes to vision issues/DR.DME

26. When did your vision issues arise – did you have symptoms before you were diagnosed?

27. Have you been treated for your eye disease?

- a. Can you describe the treatment?
- b. Did you have any issues accessing treatment?
- c. Can you describe any barriers or help you got accessing treatment?

28. What kind of care do you get now related to vision?

- a. Where do you get these services?
- b. How accessible are they?
- c. Can you describe any barriers?
- d. In general, how satisfied are you with these services? What are the strengths and weaknesses?

29. Do you know if your vision services are connected to your diabetes care – do the providers know what one another are doing?

- a. Can you describe how that connection occurs?

30. Can you talk about how vision issues have affected you and your daily life?

31. Do you get supportive services related to your vision loss? Can you describe them?

- a. Are you satisfied with these services? What are the strengths and weaknesses?
- b. Have you encountered any difficulties finding supportive services? Please explain.

Section 4 (All)

I have just a few more questions, to finish the interview.

**32. In general, do you get all the diabetes related information you would like?
If not, what's missing?**

- a. How would you like to get that information (television, internet, newspaper, social media, etc)?

**33. In general, do you get all the diabetes related services you would like?
If not, what's missing?**

- a. What might help you to get those services?

**34. Do you know of any programs for diabetes and vision issues that you would recommend?
Can you talk about them – why would you recommend them?**

**35. Do you have any other suggestions or recommendations regarding diabetes
and vision services?**

36. Is there anything that I should have asked but didn't – anything you think I should know?

37. Do you have any questions for me?

Thank you for participating!



Appendix II

“Provider”

Qualitative Interview Guide

Thank you for agreeing to participate in the interview for the Diabetic Retinopathy Barometer Study. The interview is structured in three main parts.

Appendix II: Phase I: Qualitative Interview Guide for Providers

First, I will ask you some questions about your work and the practice in general.

Next, I will ask more specific questions, focusing on the patients you see, services and models of care, and innovations in the field of study and practice.

Finally, I will ask you a few questions on awareness and education.

Section 1

1. Briefly, can you tell me about your work and practice?

- a. What is the main setting that you work in? (e.g. clinic, hospital and others (please name))
- b. What services are available at this site?**

2. What is your position?

3. What are your responsibilities?

- a. How long have you been working in this field? What training did you receive to do this work?

4. Where is your main practice site located? [name of place]

- a. Approximately how large is [name of place]?
- b. [If “small”], is it easy to travel from there to an urban center?

5. Can you describe, in general terms, the patient population? (e.g., age, socioeconomic status)

6. Does your practice serve specific ethnic groups or populations? (if yes, describe)

7. To what extent and in what ways are services tailored to meet the needs of each of these populations?

- a. Is there additional tailoring that should be done – or additional services that should be provided because of these needs?

8. [If small town/rural] To what extent and in what ways does the fact that you are in a rural setting impact on the way that services are delivered?

- a. What are the challenges?

Appendix II: Phase I: Qualitative Interview Guide for Providers

Section 2

9. What proportion of patients has been diagnosed with diabetes?

10. What proportion of patients with diabetes has diabetic retinopathy [DR]?

11. What proportion has diabetic macular edema [DME]?

12. Can you describe the services you provide to people with diabetes?

a. How do these services relate to other diabetes services provided at your site?

13. What specific services do you provide to people with DR/DME (e.g. prevention, education, detection, treatment, supportive services)?

a. How do these services relate to other vision services provided at your site?

14. To what extent and in what ways are services focused on DR/DME at your site similar to or different from services available in other clinics/practices?

a. What services distinguish the practice from others in the field or area? What services are not available?

b. What factors influence this variability (e.g. resources, technology, trained personnel, demand)?

15. Do you or your site have any challenges related to following practice guidelines on DR/DME?

a. Can you describe these challenges?

b. Do you feel that these challenges are common among providers? (explain)

16. Can you tell me about your patients?

a. What ethnicities are represented in your patient population? What socioeconomic groups?

b. Do your patients have issues or needs that differ from others with diabetes in [your country]?

c. Do you feel that your patients are knowledgeable and engaged in their diabetes management and care?

d. Do you feel that your patients are knowledgeable and engaged in their vision care?

17. What barriers do your patients face in accessing services related to DR/DME?

18. Do you – or your site – have programs or services focused on education and engagement of patients relevant to DR/DME? Can you describe them?

a. If no, are there programs like this that exist elsewhere in [your country]?

19. Do you have – or know of – innovative and effective practices related to screening for or management of DR/DME? (describe)

Section 3

20. Please describe the level of knowledge and concern regarding DR/DME among providers in your country.

a. Where are the strengths and where are the gaps in knowledge and action?

21. What opportunities exist for providers to increase their knowledge and improve their skills related DR/DME?

a. What educational and training opportunities are available?

b. Who provides the education and training?

c. What are the strengths and weaknesses of these educational and training opportunities?
What are the opportunities for improvement?

22. Do you know of any programs of excellence for DR/DME that you would recommend? Can you talk about them – why would you recommend them?

23. Do you have any other suggestions or recommendations regarding DR and DME services?

24. Is there anything that I should have asked but didn't – anything you think I should know?

25. Do you have any questions for me?

Thank you for participating!



Appendix III

World Bank Income Groups

Appendix III: World Bank Income Groups

Region	Country	World Bank Income Group
African Region	South Africa	Upper-middle income
Eastern Mediterranean Region	Algeria	Upper-middle income
	Lebanon	Upper-middle income
	Saudi Arabia	High income
	United Arab Emirates	High income
European Region	Bulgaria	Upper-middle income
	Czech Republic	High income
	Denmark	High income
	Finland	High income
	France	High income
	Germany	High income
	Ireland	High income
	Italy	High income
	Netherlands	High income
	Norway	High income
	Poland	High income
	Portugal	High income
	Romania	Upper-middle income
	Russia	High income
	Slovenia	High income
	Spain	High income
	Sweden	High income
	Turkey	Upper-middle income
	United Kingdom	High income
Region of the Americas	Argentina	High income
	Brazil	Upper-middle income
	Canada	High income
	Chile	High income
	Colombia	Upper-middle income
	Costa Rica	Upper-middle income
	Mexico	Upper-middle income
	Venezuela	Upper-middle income
Western Pacific Region	Australia	High income
	China	Upper-middle income
	Hong Kong	High income
	Japan	High income
	Malaysia	Upper-middle income
	South Korea	High income



Appendix IV

Diabetic Retinopathy Barometer Study Adult with Diabetes Survey

In collaboration with The International Diabetes Federation, International Agency for the Prevention of Blindness and International Federation for the Ageing, The New York Academy of Medicine is conducting this 30-minute survey among individuals with diabetes as part of the Diabetic Retinopathy Barometer Project.

Appendix IV: Phase II: Quantitative Patient Survey

Results from this survey will help us understand global awareness, management, and services available for diabetes, diabetic retinopathy and diabetic macular edema

This survey is voluntary; you may refuse to complete the survey or skip questions you do not want to answer. All of your responses will be anonymous.

We will not ask your name or any information that could identify you. Bayer Pharma AG has funded and facilitated this research, acted as an advisor to the participating organizations and will assist in the dissemination of the research findings.

Questions:

1. What country do you live in? _____ [DROP DOWN LIST OF COUNTRIES]

2. Please indicate your age:

☐ Less than 18 years [THANK YOU FOR YOUR TIME BUT YOU DO NOT QUALIFY FOR THIS STUDY.]

☐ 18 - 29

☐ 30 - 39

☐ 40 - 49

☐ 50 - 59

☐ 60 - 69

☐ 70 - 79

☐ 80 - 89

☐ 90 years and above

Diabetes

3. Have you been diagnosed with diabetes?

☐ Yes

☐ No [THANK YOU FOR YOUR TIME BUT YOU DO NOT QUALIFY FOR THIS STUDY.]

3a. If yes, with which type of diabetes have you been diagnosed?

☐ Type I

☐ Type II

☐ Gestational Diabetes [THANK YOU FOR YOUR TIME BUT YOU DO NOT QUALIFY FOR THIS STUDY.]

☐ Don't know/Not sure

Appendix IV: Phase II: Quantitative Patient Survey

4. When was your diabetes diagnosed?

- ☐ Within the last year
- ☐ 1 – 5 years ago
- ☐ 6 – 10 years ago
- ☐ 11 – 15 years ago
- ☐ 16 - 20 years ago
- ☐ 21 years ago or longer
- ☐ Don't know/Not sure

5. Do you see a health care professional for your diabetes?

- ☐ Yes
- ☐ No [SKIP TO Q7]

5a. What kind of health care professional?

- ☐ General/Family Doctor
- ☐ Nurse
- ☐ Diabetes specialist
- ☐ Other
- ☐ Don't know/Not sure of kind

6. How many times per year do you see this health care professional for your diabetes? _____
times/year

- ☐ Don't know/Not sure

7. How have you received information about diabetes? (Check all that apply)

- ☐ Doctor or nurse
- ☐ Health educator
- ☐ Pharmacist
- ☐ Nutritionist or dietician
- ☐ Diabetes organization or other health organization
- ☐ Family/Friends/Neighbors
- ☐ TV/Radio/Newspaper/Magazines
- ☐ Internet
- ☐ Social media (e.g. Facebook, Twitter, blogs)
- ☐ Other
- ☐ None of the above

8. How do you manage your diabetes? (Check all that apply)

- ☐ Diet
- ☐ Oral medicines
- ☐ Exercise
- ☐ Insulin
- ☐ Natural/Herbal medicines
- ☐ Other
- ☐ None of the above

9. Are you currently enrolled in a diabetes patient management support program?

- ☐ Yes
☐ No [SKIP TO Q10]

9a. Who sponsors the program?

- ☐ Hospital support program
☐ Clinic support program
☐ Pharmaceutical Company support program
☐ Patient organization support program
☐ Don't know/Not sure

9b. Does the program include education on the importance of screening for diabetic eye complications?

- ☐ Yes
☐ No

10. Have you ever had the following tests in a doctor's office or clinic?

Test	Yes	If yes, how long ago?	No	Don't know/Unsure
1. Blood glucose test	<input type="checkbox"/>	<input type="checkbox"/> Less than 6 months <input type="checkbox"/> 6-12 months <input type="checkbox"/> Greater than 12 months	<input type="checkbox"/>	<input type="checkbox"/>
2. Urine check	<input type="checkbox"/>	<input type="checkbox"/> Less than 6 months <input type="checkbox"/> 6-12 months <input type="checkbox"/> Greater than 12 months	<input type="checkbox"/>	<input type="checkbox"/>
3. Weight check	<input type="checkbox"/>	<input type="checkbox"/> Less than 6 months <input type="checkbox"/> 6-12 months <input type="checkbox"/> Greater than 12 months	<input type="checkbox"/>	<input type="checkbox"/>
4. Blood pressure check	<input type="checkbox"/>	<input type="checkbox"/> Less than 6 months <input type="checkbox"/> 6-12 months <input type="checkbox"/> Greater than 12 months	<input type="checkbox"/>	<input type="checkbox"/>
5. Foot check	<input type="checkbox"/>	<input type="checkbox"/> Less than 6 months <input type="checkbox"/> 6-12 months <input type="checkbox"/> Greater than 12 months	<input type="checkbox"/>	<input type="checkbox"/>
6. Eye check	<input type="checkbox"/>	<input type="checkbox"/> Less than 6 months <input type="checkbox"/> 6-12 months <input type="checkbox"/> Greater than 12 months	<input type="checkbox"/>	<input type="checkbox"/>

11. How well do you think your diabetes is controlled?

- ☐ Very well
☐ Well
☐ Not very well
☐ Not well at all
☐ Don't know/Not sure

Appendix IV: Phase II: Quantitative Patient Survey

12. What are the main challenges you face in controlling your diabetes? (Check all that apply)

- ☐ High cost of care
- ☐ No insurance
- ☐ Travel to my regular doctor or specialist is difficult
- ☐ Long wait time for an appointment to see my doctor or specialist
- ☐ Health services needed are not available
- ☐ Don't know enough about diabetes
- ☐ Too hard to eat the right things
- ☐ Too many other things to do
- ☐ Stigma or discrimination because of diabetes
- ☐ Don't want to think about having diabetes
- ☐ Other
- ☐ None

13. Which of the following services currently helps you to better manage your diabetes? (Check all that apply)

- ☐ Free or low cost medicines or monitoring materials
- ☐ Support groups
- ☐ Support from family or friends
- ☐ Health education and information
- ☐ Mobile services (services that travel to or near your home)
- ☐ Coordination of healthcare and services by a professional
- ☐ Emergency helpline
- ☐ Other
- ☐ None

14. What complications (or problems), to your knowledge, arise from diabetes? (Check all that apply)

- ☐ Amputation
- ☐ Foot ulcers
- ☐ Increased risk of broken bones or fractures
- ☐ Loss of feeling in hands or toes (neuropathy)
- ☐ Vision loss
- ☐ Irritable bowel disease
- ☐ Kidney disease
- ☐ Cardiovascular disease /Stroke
- ☐ Other
- ☐ None
- ☐ Don't know/Not sure

15. Which complication of diabetes are you most concerned about?

- ☐ Amputation
- ☐ Foot ulcers
- ☐ Increased risk of broken bones or fractures
- ☐ Loss of feeling in hands or toes (neuropathy)
- ☐ Vision loss
- ☐ Irritable bowel disease
- ☐ Kidney disease
- ☐ Cardiovascular disease /Stroke
- ☐ Other
- ☐ None
- ☐ Don't know/Not sure

16. Which of the following complications of diabetes do you have? (Check all that apply)

- ☐ Amputation
- ☐ Foot ulcers
- ☐ Broken bones or fractures
- ☐ Loss of feeling in hands or toes (neuropathy)
- ☐ Vision loss
- ☐ Irritable bowel disease
- ☐ Kidney disease
- ☐ Cardiovascular disease/Stroke
- ☐ Other
- ☐ None
- ☐ Don't know/Not sure

17. How often do you discuss the possibility of eye complications with your health care professional?

- ☐ Every visit
- ☐ Multiple times per year
- ☐ Once per year
- ☐ Only when symptoms arise
- ☐ Never
- ☐ Don't know/Not sure

18. Which of the following best describes your attitude to vision issues? (Check all that apply)

- ☐ I think that vision problems are a normal part of ageing
- ☐ I do what I can to prevent vision problems (e.g., get routine screenings, visit specialists)
- ☐ I do not make any special efforts to prevent vision problems

19. What type of health insurance do you have?

- ☐ Public
- ☐ Public-Private
- ☐ Private
- ☐ None

Appendix IV: Phase II: Quantitative Patient Survey

20. Most often, how do you pay for the following types of medical care and services?

Service	Care is free	Insurance pays total cost	Insurance <u>and</u> out-of-pocket/cash (e.g. co-pays)	Out-of-pocket only (pay cash for all care)	Do not use service	Don't know/Not sure
a. General doctor visits (e.g. primary care doctor)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. Specialist medical visits (e.g. eye doctor, gynecologist, urologist)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c. Medicines	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d. Medical supplies (e.g. blood glucose meter/strips)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e. Procedures	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f. Tests/screenings	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
g. Health education	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
h. Counseling	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Screening

21. Are you aware of any government sponsored screening programs for diabetic eye disease?

- ☐ Yes
☐ No

22. Have you ever had an eye exam for diabetic eye disease?

- ☐ Yes
☐ No [SKIP TO Q23]

22a. How long ago was your last eye exam?

- ☐ Within the last year
☐ More than 1 year ago but less than 2 years
☐ More than 2 years ago but less than 3 years
☐ More than 3 years ago but less than 5 years
☐ Five or more years ago
☐ Don't know/Not sure

22b. Who did the last exam?

- ☐ General/Family practitioner
☐ Eye doctor/Eye clinic
☐ Other
☐ Don't know/Not sure

23. Have you ever had a dilated eye exam, where your eyes are examined after eye drops?

- ☐ Yes
- ☐ No
- ☐ Don't know/Not sure

24. Based on what you know, how often should you get your eyes examined for diabetic eye disease?

- ☐ Once a year
- ☐ Every two years
- ☐ Less often than every two years
- ☐ Only when symptoms occur
- ☐ Never
- ☐ Don't know/Not sure

25. For you, what are the biggest barriers to eye exams? (Check all that apply)

- ☐ They are expensive
- ☐ Eye exams are not available near my home
- ☐ Long wait time for appointment
- ☐ Long wait time on the day of the visit
- ☐ Referral process is complicated or takes too long
- ☐ Recommended treatments for eye problems are not available
- ☐ Don't know much about my condition
- ☐ Fear of treatment/results
- ☐ Burden on my family/friends
- ☐ Limited access to diabetes specialists
- ☐ I am not likely to have eye complications

- ☐ Eye exams are not important
- ☐ Too many other things to do or worry about
- ☐ Clinics are too small or lack necessary equipment/staff
- ☐ Other

26. Have you been diagnosed with diabetic retinopathy?

- ☐ Yes
- ☐ No [SKIP TO Q31]

27. Has your diabetic retinopathy affected your vision?

- ☐ Yes, slightly
- ☐ Yes, significantly

- ☐ No [SKIP TO Q28]

Appendix IV: Phase II: Quantitative Patient Survey

27a. Have vision issues caused you to have difficulty with any of the following? (Check all that apply)

- ☐ Traveling
- ☐ Driving (a car/vehicle)
- ☐ Household responsibilities, such as cooking or cleaning
- ☐ Social interactions with family/friends
- ☐ Leisure activities/exercise
- ☐ Work or keeping a job
- ☐ Managing my diabetes
- ☐ Other
- ☐ None

28. Have you had any treatment for diabetic retinopathy?

- ☐ Yes
- ☐ No [SKIP TO Q30]
- ☐ Don't know/Not sure [SKIP TO Q31]

29.

29a. What treatment did you receive? (Check all that apply)

- ☐ Laser
- ☐ Injection in the eye (Anti-VEGF)
- ☐ Surgery
- ☐ Other

29b. Did you complete the treatment?

- ☐ Yes
- ☐ No [SKIP TO Q29d]
- ☐ Still receiving treatment
- ☐ Don't know/Not sure

29c. Do you feel that the treatment worked?

- ☐ Yes, and vision improved
- ☐ Yes, but vision stayed the same
- ☐ No
- ☐ Still waiting to know
- ☐ Don't know/Not sure

29d. [IF NO TO Q29b] What is/are the reason(s) that you did not complete the treatment? (Check all that apply)

- ☐ Did not like the treatment
- ☐ Treatment was not effective
- ☐ Treatment was too expensive
- ☐ Eye doctor was located too far away
- ☐ Appointment times were not convenient
- ☐ Too much burden on my family/friends
- ☐ I was too busy
- ☐ I was fearful (scared) of treatment
- ☐ Other

30. [IF NO TO Q28] What are the reasons that you have not had treatment for diabetic retinopathy? (Check all that apply)

- ☐ My doctor did not recommend any treatment
- ☐ Treatment would not be effective
- ☐ Treatment is not accessible
- ☐ Still waiting for treatment
- ☐ Treatment is not important to me
- ☐ Too expensive
- ☐ No insurance
- ☐ I'm too busy
- ☐ I'm fearful of treatment
- ☐ Other

31. Have you been diagnosed with diabetic macular edema?

- ☐ Yes
- ☐ No [SKIP TO Q32]
- ☐ Don't know/Not sure [SKIP TO Q32]

31b. If Yes, which of the following would you prefer?

- ☐ Treatment to prevent further vision loss
- ☐ Only treatment when vision loss has occurred
- ☐ Don't know/Not sure

32. Have you received information about diabetic retinopathy or diabetic macular edema from any of the following sources? (Check all that apply)

- ☐ Doctor/Nurse
- ☐ Health educator
- ☐ Diabetes organization or other health organization
- ☐ Family/Friends/Neighbors
- ☐ TV/Radio/Newspaper/Magazines
- ☐ Internet
- ☐ Other
- ☐ None of the above

Appendix IV:

Phase II: Quantitative Patient Survey

Respondent characteristics

33. Where do you live?

- ☐ Urban setting
- ☐ Non-urban setting

34. What is your gender?

- ☐ Female
- ☐ Male

35. What is the highest level of education you completed?

- ☐ Did not complete primary school
- ☐ Primary school
- ☐ Secondary school
- ☐ College/University
- ☐ Graduate or post-graduate

36. Are you currently working? (Choose the best option)

- ☐ Working for pay
- ☐ Working without pay at home (e.g., housework, farming)
- ☐ Volunteering
- ☐ Retired
- ☐ Student
- ☐ Not working

37. Do you receive assistance from the government? (Check all that apply)

- ☐ Income assistance
- ☐ Medical assistance
- ☐ Food assistance
- ☐ Housing assistance
- ☐ Pension assistance
- ☐ None of the above

38. Did you have trouble paying for food at any time during the past year?

- ☐ Yes
- ☐ No

39. Do you feel that your access to health care is negatively affected by any of the following? (Check all that apply)

- ☐ Gender
- ☐ Age
- ☐ Religion
- ☐ Place where you live
- ☐ Place of birth
- ☐ Race
- ☐ Ethnicity
- ☐ Tribal affiliation
- ☐ Language you speak
- ☐ Income
- ☐ Education
- ☐ Sexual orientation
- ☐ None of the above

40. Which of the following do you worry about most?

- ☐ Food
- ☐ Housing
- ☐ Money
- ☐ Health
- ☐ Family
- ☐ Other
- ☐ None of the above

Health Status and Health Care

41. In general, would you say that your health is:

- ☐ Excellent
- ☐ Very good
- ☐ Good
- ☐ Fair
- ☐ Poor
- ☐ Don't know/Not sure
- ☐ Refused

42. Now thinking about your physical health, which includes physical illness and injury, for how many days during the past 30 days was your physical health not good?

- ☐ _____ number of days
- ☐ None
- ☐ Don't know/Not sure
- ☐ Refused

43. Now thinking about your mental health, which includes stress, depression, and problems with emotions, for how many days during the past 30 days was your mental health not good?

- ☐ _____ number of days

Appendix IV: Phase II: Quantitative Patient Survey

- ☐ None
☐ Don't know/Not sure
☐ Refused

[IF BOTH Q42 AND Q43 = "NONE", SKIP TO Q45]

44. During the past 30 days, for about how many days did poor physical or mental health keep you from doing your usual activities, such as self-care, work, or recreation?

- ☐ _____ number of days
☐ None
☐ Don't know/Not sure
☐ Refused

These next questions are about physical, mental, or emotional problems and limitations you may have in your daily life.

45. Are you limited in any way in any activities because of any impairment or health problem?

- ☐ Yes
☐ No [THANK YOU FOR YOUR PARTICIPATION!]
☐ Don't know/Not sure
☐ Refused

46. Which impairment or health problem, if any, limits your activities?

Condition	Yes	No	Don't know	Refused
a. Arthritis/rheumatism	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. Back or neck problem	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c. Fractures, bone/joint injury	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d. Walking problem	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e. Lung/breathing problem	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f. Hearing problem	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
g. Eye/vision problem	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
h. Heart problem	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
i. Stroke problem	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
j. Hypertension/high blood pressure	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
k. Diabetes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
l. Cancer	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
m. Mental or emotional health	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Thank you for participating!



Appendix V

Phase II: Quantitative Provider Survey Provider Survey

In collaboration with The International Diabetes Federation, International Agency for the Prevention of Blindness and International Federation for the Ageing, The New York Academy of Medicine is conducting this 30-minute survey among providers in various specialties as part of the Diabetic Retinopathy Barometer Project.

Appendix V: Phase II: Quantitative Provider Survey

Results from this survey will help us understand global awareness, management, and services available for diabetes, diabetic retinopathy and macular edema.

This survey is voluntary; you may refuse to complete the survey or skip questions you do not want to answer. All of your responses will be anonymous. However, if you choose to share any information that could identify you, we will keep this information separate from your survey responses. Bayer Pharma AG has funded and facilitated this research, acted as an advisor to the participating organizations and will assist in the dissemination of the research findings.

.....

Questions:

1. In what country do you practice? _____ [DROP DOWN LIST OF COUNTRIES]
2. What is your specialty? (check all that apply)
 - ☐ General primary care/Family practitioner
 - ☐ Diabetes specialist
 - ☐ General ophthalmologist
 - ☐ Optometrist
 - ☐ Retinal specialist
 - ☐ Nurse
 - ☐ Health educator
 - ☐ None of the above
3. How long have you been practicing in this profession? _____ years

Practice characteristics

4. What is your main practice setting? **By main we mean the practice in which you spend most of your time dealing with patients having or at risk of diabetic eye disease** (Choose one)
 - ☐ Hospital
 - ☐ General medical clinic/practice
 - ☐ Diabetes clinic/practice
 - ☐ Eye clinic/practice
 - ☐ Other

6. In which sector is your main practice? (Choose one)

- ☐ Government
- ☐ Private
- ☐ Non profit
- ☐ Combined/mixed

7. Is your main practice limited to certain populations? (Check all that apply)

- ☐ No
- ☐ Yes, limited by age
- ☐ Yes, limited by gender
- ☐ Yes, limited to persons in the military or veterans
- ☐ Yes, limited to persons with health insurance
- ☐ Yes, limited to low income or uninsured persons
- ☐ Yes, limited to persons who pay out-of-pocket
- ☐ Yes, other

8. What is the average wait time for an appointment in your main practice?

- ☐ Less than 1 week
- ☐ More than 1 week but less than 1 month
- ☐ More than 1 month but less than 2 months
- ☐ More than 2 months but less than 3 months
- ☐ More than 3 months but less than 6 months
- ☐ Six or more months
- ☐ Do not take appointments
- ☐ Other
- ☐ Don't know/Not sure

9. On average, how many patients do you see per week in your main practice?

_____ [# of patients]

9a. What percentage of the patients in your main practice have diabetes?

_____ [% of patients]

10. In your main practice, how do patients pay for the care and services that you provide? (Check all that apply)

- ☐ Don't pay
- ☐ Pay a reduced/subsidized rate
- ☐ Pay out-of-pocket (full fees)
- ☐ Pay through insurance
- ☐ Patient pays some, insurance pays some
- ☐ Other

Appendix V: Phase II: Quantitative Provider Survey

11. In addition to your main practice, do you work in another practice setting?

- ☐ Yes
☐ No [SKIP TO Q15]

12. In which other practice setting(s) do you work? (Check all that apply)

- ☐ Hospital
☐ General medical clinic/practice
☐ Diabetes clinic/practice
☐ Eye clinic/practice
☐ Other _____

13. In which sector(s) is (are) the practice(s)? (Check all that apply)

- ☐ Government
☐ Private
☐ Non profit
☐ Combined/mixed

14. Is there a major difference between your practices with respect to how diabetic eye disease is screened and managed?

- ☐ Yes
☐ No

The next set of questions will focus on patient care and treatment in your main practice.

15. Does your main practice do the following tests for patients with diabetes? If yes, how often?

	Yes	No	How often?
a. Blood glucose	<input type="checkbox"/>	<input type="checkbox"/>	/ year
b. HbA1c	<input type="checkbox"/>	<input type="checkbox"/>	/ year
c. Urine check	<input type="checkbox"/>	<input type="checkbox"/>	/ year
d. Weight check	<input type="checkbox"/>	<input type="checkbox"/>	/ year
e. Blood pressure check	<input type="checkbox"/>	<input type="checkbox"/>	/ year
f. Foot check	<input type="checkbox"/>	<input type="checkbox"/>	/ year
g. Eye examination			
g1. Un-dilated	<input type="checkbox"/>	<input type="checkbox"/>	/ year
g2. Optical Coherence Tomography	<input type="checkbox"/>	<input type="checkbox"/>	/ year
g3. Fundoscopy	<input type="checkbox"/>	<input type="checkbox"/>	/ year
g4. Fluorescein Angiography	<input type="checkbox"/>	<input type="checkbox"/>	/ year
g5. Lipid Check	<input type="checkbox"/>	<input type="checkbox"/>	/ year

16. In your main practice, what topics do you cover during a routine visit with a patient who has diabetes? (Check all that apply)

- ☐ Diabetes management and monitoring
- ☐ Diet/nutrition
- ☐ Exercise/physical activity
- ☐ Medicines
- ☐ Foot care and inspection
- ☐ Blood pressure
- ☐ Eye care and exams
- ☐ Lipid check
- ☐ Other
- ☐ None of the above

17. Is there written information about diabetes available for patients in your main practice?

- ☐ Yes, and information on eye complications is sufficient
- ☐ Yes, but information on eye complications is not sufficient
- ☐ Yes, but no information on eye complications is included
- ☐ No written information is available for patients
- ☐ Don't know/Not sure

18. Do you have written protocols/guidelines available in your main practice for the management of diabetes?

- ☐ Yes, available and used by staff
- ☐ Yes, available but not used by staff
- ☐ Not available
- ☐ Don't know/Not sure

19. Do you have written protocols/guidelines for detection and management of diabetes-related vision issues available in your main practice?

- ☐ Yes, available and used by staff
- ☐ Yes, available but not used by staff
- ☐ Not available
- ☐ Don't know/Not sure

20. What is the protocol in your main practice for timing of initial eye exams for persons with diabetes?

Type I diabetes	Type II diabetes
<input type="checkbox"/> As soon as they are diagnosed	<input type="checkbox"/> As soon as they are diagnosed
<input type="checkbox"/> After a predetermined number of years	<input type="checkbox"/> After a predetermined number of years
State number of years _____	State number of years _____
<input type="checkbox"/> After a predetermined age	<input type="checkbox"/> After a predetermined age
State at what age _____	State at what age _____
<input type="checkbox"/> When a patient reports eye/vision problems	<input type="checkbox"/> When a patient reports eye/vision problems
<input type="checkbox"/> No standard practice, timing varies case by case	<input type="checkbox"/> No standard practice, timing varies case by case
<input type="checkbox"/> Don't know/Not sure	<input type="checkbox"/> Don't know/Not sure
<input type="checkbox"/> Other	<input type="checkbox"/> Other

Appendix V: Phase II: Quantitative Provider Survey

21. What is the protocol in your main practice for timing of follow-up eye examinations for persons with diabetes?

- ☐ Once a year
- ☐ Every two years
- ☐ More than every two years
- ☐ Only when symptoms are present
- ☐ Other
- ☐ Don't know/Not sure

22. In your main practice, do you screen patients with diabetes for diabetic retinopathy?

- ☐ Yes
- ☐ No [SKIP TO Q23]

22a. Where do you screen patients?

- ☐ In clinic
- ☐ Outreach
- ☐ Other

23. What patient characteristics influence your vision care and/or vision referrals? (Check all that apply)

- ☐ Diabetes duration
- ☐ Patient's age
- ☐ Patient's gender
- ☐ Presence of comorbidities such as hypertension, etc
- ☐ High glucose levels
- ☐ Ability or inability to pay
- ☐ Insurance restrictions
- ☐ Patient educational level
- ☐ Patient adherence to recommendations
- ☐ Other
- ☐ None of the above
- ☐ Not applicable

24. What are the major barriers to optimizing eye health faced by patients with diabetes in your main practice? (Check all that apply)

- ☐ Cost of care
- ☐ Proximity to care
- ☐ Long wait time for appointment
- ☐ Long wait time on the day of the visit
- ☐ Referral process
- ☐ Recommended treatments are not available
- ☐ Lack of knowledge and/or awareness
- ☐ Patient fear of treatment/results
- ☐ Patients feel they are a burden on family/friends
- ☐ Limited access to diabetes specialists
- ☐ Limited access to eye specialists
- ☐ Patients feel eye complications are unlikely
- ☐ Patients feel eye exams are not important
- ☐ Patients have competing responsibilities and priorities
- ☐ Clinic too small or lack necessary equipment/staff
- ☐ Other

25. In your main practice, are patients contacted with reminders for general follow-up appointments?

- ☐ Yes
- ☐ No
- ☐ Don't know/Not sure

26. Do you share relevant patient information with other health care professionals involved in the patient's care (e.g., his or her general practitioner, ophthalmologist, podiatrist)

- ☐ Yes
- ☐ No
- ☐ Don't know/Not sure

JAPAN ONLY: Do you think you have sufficient "screening system of diabetic eye-diseases and control measure against progression of diabetic retinopathy" under regional healthcare coordination (including hospital and clinic cooperation and vision referral) of your main practice?

- ☐ Yes
- ☐ No
- ☐ Don't know/Not sure

JAPAN ONLY: If you know specific prefectures or municipalities who focus on "screening of diabetic eye-diseases and controlling progression of diabetic retinopathy", please specify: _____

Respondent characteristics

27. Please indicate your age:

- ☐ 18 - 29
- ☐ 30 - 39
- ☐ 40 - 49
- ☐ 50 - 59
- ☐ 60 - 69
- ☐ 70 - 79
- ☐ 80 - 89
- ☐ 90 years old and above

Appendix V: Phase II: Quantitative Provider Survey

29. What is your highest level of education completed?

- ☐ Secondary School
- ☐ College/University
- ☐ Graduate or advanced degree (e.g., PhD, MD, etc.)

[IF Q2 = GENERAL OPHTHALMOLOGIST, OPTOMETRIST OR RETINAL SPECIALIST, CONTINUE;
OTHERWISE END SURVEY]

Supplemental Questions for Eye Specialists

30. What percentage of your patients have diabetic retinopathy? _____ [% of patients]

31. What percentage of your patients have diabetic macular edema? _____ [% of patients]

32. What is the average amount of time your patients wait for an appointment to be screened for diabetic eye disease in your practice?

- ☐ Less than 1 week
- ☐ More than 1 week but less than 1 month
- ☐ More than 1 month but less than 2 months
- ☐ More than 2 months but less than 3 months
- ☐ More than 3 months but less than 6 months
- ☐ Six or more months
- ☐ Do not take appointments
- ☐ Other
- ☐ Don't know/Not sure

33. From the time a patient is screened, what is the average length of time he/she waits for diagnosis?

- ☐ There is no wait, diagnosis is given when screened
- ☐ Less than 1 week
- ☐ More than 1 week but less than 1 month
- ☐ More than 1 month but less than 2 months
- ☐ More than 2 months but less than 3 months
- ☐ More than 3 months but less than 6 months
- ☐ Six or more months
- ☐ Other
- ☐ Don't know/Not sure

34. Are the following treatments available to your patients? (Check all that apply)

	Available within country	Available locally	Available in practice	Not available
a. Laser photocoagulation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. Anti-VEGF therapies	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c. Intravitreal steroid	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d. Uncomplicated vitrectomy	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e. Complex vitreo-retinal surgery	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

[IF “NOT AVAILABLE,” FOR ALL Q34a-e, SKIP TO Q35]

f. What is the average amount of time your patients wait for a consultation appointment for:

1. Laser photocoagulation?	___ weeks	Don't know/Not sure	Not applicable
2. Anti-VEGF preparations?	___ weeks	Don't know/Not sure	Not applicable
3. Intravitreal steroid?	___ weeks	Don't know/Not sure	Not applicable
4. Uncomplicated vitrectomy?	___ weeks	Don't know/Not sure	Not applicable
5. Complex vitreo-retinal surgery?	___ weeks	Don't know/Not sure	Not applicable

Appendix V: Phase II: Quantitative Provider Survey

g. What is the average amount of time your patients wait for a first treatment?

1. Laser photocoagulation	___ weeks	Don't know/Not sure	Not applicable
2. Anti-VEGF preparations	___ weeks	Don't know/Not sure	Not applicable
3. Intravitreal steroid	___ weeks	Don't know/Not sure	Not applicable
4. Uncomplicated vitrectomy	___ weeks	Don't know/Not sure	Not applicable
5. Complex vitreo-retinal surgery	___ weeks	Don't know/Not sure	Not applicable

h. What is the average amount of time your patients wait for a second treatment?

1. Laser photocoagulation	___ weeks	Don't know/Not sure	Not applicable
2. Anti-VEGF preparations	___ weeks	Don't know/Not sure	Not applicable
3. Intravitreal steroid	___ weeks	Don't know/Not sure	Not applicable
4. Uncomplicated vitrectomy	___ weeks	Don't know/Not sure	Not applicable
5. Complex vitreo-retinal surgery	___ weeks	Don't know/Not sure	Not applicable

35.

Do
you

personally administer treatment for diabetic retinopathy?

- ☐ Yes [SKIP TO Q36]
☐ No

35a. Who administers it?

- ☐ Another provider in your practice
☐ Refer to a provider at another facility
☐ Other

[SKIP TO Q37 AFTER COMPLETING Q35a]

36. Do any of the following influence how you treat diabetic retinopathy or diabetic macular edema?

- ☐ Diabetes duration
- ☐ Patient's age
- ☐ Patient's gender
- ☐ Presence of comorbidities such as hypertension, etc
- ☐ High glucose levels
- ☐ Ability or inability to pay
- ☐ Insurance restrictions
- ☐ Patient educational level
- ☐ Patient adherence to recommendations
- ☐ ~~Other~~
- ☐ None of the above
- ☐ Not applicable

37. Do you treat diabetic retinopathy and diabetic macular edema based on:

- ☐ Visual outcomes
- ☐ Anatomical outcomes
- ☐ Both
- ☐ Other

38. How are your patients with diabetes screened for diabetic eye disease?

- ☐ Fundoscopy undilated
- ☐ Fundoscopy dilated
- ☐ Retinal photo
- ☐ Optical Coherence Tomography
- ☐ Fluorescein Angiography
- ☐ Other

39. In your opinion, do the majority of your patients present:

- ☐ In time for screening
- ☐ When visual problems have already occurred
- ☐ Too late for effective treatment

40. Have you received training specifically on treatment and diagnosis of diabetic retinopathy and/or clinically significant diabetic macular edema?

- ☐ Yes
- ☐ No [SKIP TO Q41]

40a. If yes, when was your last training?

- ☐ Within the past year
- ☐ Greater than 1 year ago but less than 5 years
- ☐ Five or more years ago
- ☐ Don't know/Not sure

41. Would you be interested in online education and certification on DME, Angiogenesis and Anti-VEGF therapies?

- ☐ Yes
- ☐ No [SKIP TO Q42]

41a. What is your email address? _____

- ☐ Prefer not answer

42. How is outreach for screening for diabetic eye disease done in your main practice? (Check all that apply)

- ☐ Health fairs for all

Appendix V: Phase II: Quantitative Provider Survey

42. How is outreach for screening for diabetic eye disease done in your main practice? (Check all that apply)
- ☐ Health fairs for all
 - ☐ Health fairs for people with diabetes
 - ☐ Mobile screening centers
 - ☐ At vision centers
 - ☐ Other
 - ☐ Not done
 - ☐ Don't know/Not sure
43. What do you perceive to be the greatest challenges for improving patient outcomes in diabetic eye disease? (Check all that apply)
- ☐ Reimbursement/restrictions on approved therapy
 - ☐ Late diagnosis
 - ☐ Referral pathways
 - ☐ Limited access to patient education on diabetic retinopathy and diabetic macular edema
 - ☐ No universal guidelines on referral/screening
 - ☐ No universal guidelines on how to treat
 - ☐ No universal guidelines on when to treat
 - ☐ Current available therapies not effective
 - ☐ Government/insurance not able to cover patient costs
 - ☐ Multi-disciplinary team integration is poor
 - ☐ Ineffective screening services
 - ☐ Other

Thank you for participating!



Appendix VI

Phase II: Quantitative Global Results

Appendix VI: Phase II: Quantitative Global Results

Table 1.1

Survey Information	Number of respondents (%)
All respondents	6097 (100.0%)
All valid respondents [1]	4937 (81.0%)
Respondents aged 18 or over	6019 (98.7%)
Respondents with diabetes	4370 (71.7%)

NB [1]: valid respondents are those with country information

Table 1.2

Survey Information	Number of respondents (%)
All valid respondents	4937 (100.0%)
Included in Diabetic Analysis Set	4340 (87.9%)
Excluded from Diabetic Analysis Set	597 (12.1%)
Reasons for exclusion from diabetic analysis set	.
Under 18 years of age	78
Not diagnosed with diabetes	363
Missing information on diabetes diagnosis	126
Gestational diabetes only	30

Table 1.3

Survey Information	Number of respondents (%)
Diabetic Analysis Set	4340 (100.0%)
World Bank Income Group: High Income	2618 (60.3%)
World Bank Income Group: Upper-middle income	1570 (36.2%)
Persons with diabetic eye disease (DED)	847 (19.5%)
Persons with diabetic macular edema (DME)	332 (7.6%)
Persons with Type I diabetes	1611 (37.1%)
Persons with Type II diabetes	2326 (53.6%)
Persons not seeing health care professional for diabetes	258 (5.9%)
Persons seeing health care professional for diabetes	4021 (92.6%)
Persons with eye disease & not received treatment	314 (7.2%)
Persons with eye disease & received treatment	758 (17.5%)

Table 2.1

Question	Response	Number of Respondents (%)
With which type of diabetes have you been diagnosed?	Type I	1611 (37.2)
	Type II	2326 (53.7)
	Don't know/Not sure	398 (9.2)
	Total Valid Response	4335 (100.0)
	Total missing	5

Table 2.2

Question	Response	Number of Respondents (%)
When was your diabetes diagnosed?	Within the last year	329 (7.7)
	1 - 5 years ago	963 (22.6)
	6 - 10 years ago	806 (18.9)
	11 - 15 years ago	699 (16.4)
	16 - 20 years ago	513 (12.0)
	21 years ago or longer	918 (21.5)
	Don't know/Not sure	39 (0.9)
	Total Valid Response	4267 (100.0)
	Total missing	73

Table 2.3.1

Question	Response	Number of Respondents (%)
Do you see a health care professional for your diabetes?	Yes	4021 (94.0)
	No	258 (6.0)
	Total Valid Response	4279 (100.0)
	Total missing	61
What kind of health care professional?	General/Family Doctor	1333 (33.7)
	Nurse	128 (3.2)
	Diabetes Specialist	2366 (59.9)

Appendix VI: Phase II: Quantitative Global Results

Question	Response	Number of Respondents (%)
	Other	105 (2.7)
	Don't know/Not sure of kind	20 (0.5)
	Total Valid Response	3952 (100.0)
	Total missing	388

Table 2.3.2

Type of health care professional	Times per year seen for diabetes	Value
General/Family Doctor	Total valid numeric response (n)	1094
	Mean	5.1
	SD	11.5
	Median	4.0
	Min	1
	Max	365
	Don't know/Not sure	90
	Total missing	11
Nurse	Total valid numeric response (n)	100
	Mean	3.9
	SD	5.0
	Median	3.5
	Min	1
	Max	50
	Don't know/Not sure	10
	Total missing	1
Diabetes Specialist	Total valid numeric response (n)	1897
	Mean	4.4
	SD	8.9
	Median	4.0
	Min	1
	Max	365
	Don't know/Not sure	115
	Total missing	13
Other	Total valid numeric response (n)	76

Type of health care professional	Times per year seen for diabetes	Value
	Mean	3.8
	SD	2.8
	Median	4.0
	Min	1
	Max	20
	Don't know/Not sure	11
	Total missing	1
Don't know/Not sure of kind	Total valid numeric response (n)	10
	Mean	3.4
	SD	2.2
	Median	4.0
	Min	1
	Max	6
	Don't know/Not sure	5
	Total missing	1

Table 2.4

Question	Response	Number of Respondents (%)
How have you received information about diabetes?	Doctor or nurse	3544 (85.4)
	Health educator	1020 (24.6)
	Nutritionist or dietitian	1419 (34.2)
	Diabetes organization or other health organization	1535 (37.0)
	Family/Friends/Neighbors	910 (21.9)
	TV/Radio/Newspaper/Magazines	991 (23.9)
	Internet	1764 (42.5)
	Social media (e.g. Facebook, Twitter, blogs)	742 (17.9)
	Other	26 (0.6)
	Pharmacist	444 (10.7)
	None of the above	56 (1.3)
	Total Valid Response	4150 (100.0)

Appendix VI: Phase II: Quantitative Global Results

Question	Response	Number of Respondents (%)
	Total missing	190

Table 2.5

Question	Response	Number of Respondents (%)
How do you manage your diabetes?	Diet	2615 (63.0%)
	Oral medicine	2148 (51.8%)
	Exercise	1767 (42.6%)
	Insulin	2395 (57.7%)
	Natural/Herbal medicine	306 (7.4%)
	Other	2 (0.0%)
	None of the above	33 (0.8%)
	Total Valid Response	4149 (100.0%)
	Total missing	191

Table 2.6

Question	Response	Number of Respondents (%)
Are you currently enrolled in a diabetes patient management support programme?	Yes	1081 (25.9)
	No	3096 (74.1)
	Total Valid Response	4177 (100.0)
	Total missing	163
Who sponsors the programme?	Hospital support program	327 (31.5)
	Clinic support program	193 (18.6)
	Pharmaceutical support program	54 (5.2)
	Patient organization support program	158 (15.2)
	Don't know/Not sure	306 (29.5)
	Total Valid Response	1038 (100.0)
	Total missing	3302
Does the programme include education on the importance of screening for diabetic eye complications	Yes	873 (83.6)

Question	Response	Number of Respondents (%)
	No	171 (16.4)
	Total Valid Response	1044 (100.0)
	Total missing	3296

Table 2.7

Test	Response	Number of Respondents (%)
Have you ever had the following tests in a doctors office of clinic? And if yes, how long	ago	
Blood glucose test	Yes	3952 (97.3%)
	Less than 6 months	3339 (82.2%)
	6 - 12 months	383 (9.4%)
	Greater than 12 months	168 (4.1%)
	Total valid response	3890 (95.8%)
	Total missing	450
	No	86 (2.1%)
	Don't know/Not sure	22 (0.5%)
	Total valid response	4060 (100.0%)
	Total missing	280
Urine check	Yes	3702 (92.8%)
	Less than 6 months	2447 (61.4%)
	6 - 12 months	874 (21.9%)
	Greater than 12 months	306 (7.7%)
	Total valid response	3627 (90.9%)
	Total missing	713
	No	240 (6.0%)
	Don't know/Not sure	46 (1.2%)

Appendix VI: Phase II: Quantitative Global Results

Test	Response	Number of Respondents (%)
	Total valid response	3988 (100.0%)
	Total missing	352
Weight check	Yes	3638 (92.1%)
	Less than 6 months	2805 (71.0%)
	6 - 12 months	484 (12.2%)
	Greater than 12 months	274 (6.9%)
	Total valid response	3563 (90.2%)
	Total missing	777
	No	280 (7.1%)
	Don't know/Not sure	34 (0.9%)
	Total valid response	3952 (100.0%)
	Total missing	388
Blood pressure check	Yes	3788 (95.0%)
	Less than 6 months	3253 (81.6%)
	6 - 12 months	347 (8.7%)
	Greater than 12 months	109 (2.7%)
	Total valid response	3709 (93.0%)
	Total missing	631
	No	156 (3.9%)
	Don't know/Not sure	43 (1.1%)
	Total valid response	3987 (100.0%)
	Total missing	353
Foot check	Yes	2713 (69.9%)
	Less than 6 months	1568 (40.4%)
	6 - 12 months	680 (17.5%)

Test	Response	Number of Respondents (%)
	Greater than 12 months	407 (10.5%)
	Total valid response	2655 (68.4%)
	Total missing	1685
	No	1093 (28.2%)
	Don't know/Not sure	76 (2.0%)
	Total valid response	3882 (100.0%)
	Total missing	458
Eye check	Yes	3449 (86.8%)
	Less than 6 months	1806 (45.4%)
	6 - 12 months	1095 (27.5%)
	Greater than 12 months	485 (12.2%)
	Total valid response	3386 (85.2%)
	Total missing	954
	No	479 (12.1%)
	Don't know/Not sure	47 (1.2%)
	Total valid response	3975 (100.0%)
	Total missing	365

Table 2.8

Question	Response	Number of Respondents (%)
How well do you think your diabetes is controlled?	Very well	778 (19.3%)
	Well	2009 (49.9%)
	Not very well	952 (23.7%)
	Not well at all	188 (4.7%)
	Don't know/Not sure	97 (2.4%)

Appendix VI: Phase II: Quantitative Global Results

Question	Response	Number of Respondents (%)
	Total Valid Response	4024 (100.0%)
	Total missing	316

Table 2.9

Question	Response	Number of Respondents (%)
What are the main challenges you face in controlling your diabetes?	High cost of care	1054 (26.4)
	No insurance	357 (8.9)
	Travel to my regular doctor or specialist is difficult	687 (17.2)
	Long wait time for an appointment to see my doctor or specialist	968 (24.2)
	Health services needed are not available	449 (11.2)
	Don't know enough about diabetes	444 (11.1)
	Too hard to eat the right things	1774 (44.4)
	Too many other things to do	845 (21.2)
	Stigma or discrimination because of diabetes	298 (7.5)
	Don't want to think about having diabetes	621 (15.5)
	Other	476 (11.9)
	None of the above	577 (14.4)
	Total Valid Response	3994 (100.0)
	Total missing	346

Table 2.10

Question	Response	Number of Respondents (%)
Which of the following services currently help you better manage your diabetes?	Free or low cost medicines or monitoring materials	2299 (58.8)
	Support groups	714 (18.3)
	Support from family or friends	1681 (43.0)
	Health education and information	1563 (40.0)
	Mobile services (services that travel to or near your home)	242 (6.2)
	Coordination of healthcare and services by a professional	1073 (27.4)
	Emergency helpline	232 (5.9)
	Other	232 (5.9)
	None	422 (10.8)
	Total Valid Response	3909 (100.0)
	Total missing	431

Table 2.11

Question	Response	Number of Respondents (%)
What complications (or problems), to your knowledge, arise from diabetes?	Amputation	2993 (75.5)
	Foot ulcers	2722 (68.6)
	Increased risk of broken bones or fractures	745 (18.8)
	Loss of feeling in hands or toes (neuropathy)	2850 (71.9)
	Vision loss	3385 (85.4)
	Irritable bowel disease	768 (19.4)
	Kidney disease	2817 (71.0)
	Cardiovascular disease/Stroke	2656 (67.0)
	Other	373 (9.4)
	Don't know/Not sure	103 (2.6)
	None	115 (2.9)
	Total Valid Response	3966 (100.0)
	Total missing	374

Appendix VI: Phase II: Quantitative Global Results

Table 2.12

Question	Response	Number of Respondents (%)
Which complication of diabetes are you most concerned about?	Amputation	619 (15.7)
	Foot ulcers	68 (1.7)
	Increased risk of broken bones or fractures	42 (1.1)
	Loss of feeling in hands or toes (neuropathy)	143 (3.6)
	Vision loss	1568 (39.9)
	Irritable bowel disease	34 (0.9)
	Kidney disease	513 (13.0)
	Cardiovascular disease/Stroke	654 (16.6)
	Other	26 (0.7)
	Don't know/Not sure	137 (3.5)
	None	130 (3.3)
	Total Valid Response	3934 (100.0)
	Total missing	406

Table 2.13

Question	Response	Number of Respondents (%)
Which of the following complications of diabetes do you have?	Amputation	131 (3.4)
	Foot ulcers	186 (4.9)
	Broken bones or fractures	105 (2.8)
	Loss of feeling in hands or toes (neuropathy)	794 (20.9)
	Vision loss	970 (25.5)
	Irritable bowel disease	267 (7.0)
	Kidney disease	434 (11.4)
	Cardiovascular disease/Stroke	497 (13.1)
	Other	173 (4.5)

Question	Response	Number of Respondents (%)
	Don't know/Not sure	255 (6.7)
	None	1603 (42.2)
	Total Valid Response	3803 (100.0)
	Total missing	537

Table 2.14

Question	Response	Number of Respondents (%)
How often do you discuss the possibility of eye complications with your health care professional?	Every visit	933 (23.8)
	Multiple times per year	732 (18.7)
	Once per year	1030 (26.3)
	Only when symptoms arise	607 (15.5)
	Never	451 (11.5)
	Don't know/Not sure	166 (4.2)
	Total Valid Response	3919 (100.0)
	Total missing	421

Table 2.15

Question	Response	Number of Respondents (%)
Which of the following best describes your attitude to vision issues?	I think that vision problems are a normal part of ageing	850 (22.1)
	I do what I can to prevent vision problems (e.g. get routine screenings, visit specialists)	2889 (75.1)
	I do not make any special effort to prevent vision problems	539 (14.0)
	Total Valid Response	3846 (100.0)

Appendix VI: Phase II: Quantitative Global Results

Question	Response	Number of Respondents (%)
	Total missing	494

Table 2.16

Question	Response	Number of Respondents (%)
What type of health insurance do you have?	Public	2110 (54.1)
	Public - Private	665 (17.1)
	Private	607 (15.6)
	None	518 (13.3)
	Total Valid Response	3900 (100.0)
	Total missing	440

Table 2.17

Question	Response	Number of Respondents (%)
Most often, how do you pay for the following types of medical care and services?		
General doctor visits (e.g. primary care doctor)	Care is free	1450 (39.1)
	Insurance pays total cost	858 (23.1)
	Insurance and out-of-pocket/cash (e.g. co-pays)	761 (20.5)
	Out-of-pocket only (pay cash for all care)	541 (14.6)
	Do not use service	49 (1.3)
	Don't know/Not Sure	48 (1.3)
	Total Valid Response	3707 (100.0)
	Total missing	633

Question	Response	Number of Respondents (%)
Specialist medical visits (e.g. eye doctor, gynecologist, urologist)	Care is free	1066 (28.8)
	Insurance pays total cost	813 (22.0)
	Insurance and out-of-pocket/cash (e.g. co-pays)	950 (25.7)
	Out-of-pocket only (pay cash for all care)	721 (19.5)
	Do not use service	102 (2.8)
	Don't know/Not Sure	43 (1.2)
	Total Valid Response	3695 (100.0)
	Total missing	645
Medicines	Care is free	804 (22.2)
	Insurance pays total cost	572 (15.8)
	Insurance and out-of-pocket/cash (e.g. co-pays)	1361 (37.6)
	Out-of-pocket only (pay cash for all care)	793 (21.9)
	Do not use service	55 (1.5)
	Don't know/Not Sure	39 (1.1)
	Total Valid Response	3624 (100.0)
	Total missing	716
Medical supplies (e.g. blood glucose meter/strips)	Care is free	924 (25.0)
	Insurance pays total cost	553 (15.0)
	Insurance and out-of-pocket/cash (e.g. co-pays)	1007 (27.3)
	Out-of-pocket only (pay cash for all care)	982 (26.6)
	Do not use service	175 (4.7)
	Don't know/Not Sure	50 (1.4)
	Total Valid Response	3691 (100.0)
	Total missing	649
Procedures	Care is free	828 (23.3)
	Insurance pays total cost	634 (17.8)
	Insurance and out-of-pocket/cash (e.g. co-pays)	912 (25.7)

Appendix VI: Phase II: Quantitative Global Results

Question	Response	Number of Respondents (%)
	Out-of-pocket only (pay cash for all care)	510 (14.4)
	Do not use service	406 (11.4)
	Don't know/Not Sure	264 (7.4)
	Total Valid Response	3554 (100.0)
	Total missing	786
Tests/screenings	Care is free	1151 (31.9)
	Insurance pays total cost	821 (22.7)
	Insurance and out-of-pocket/cash (e.g. co-pays)	912 (25.2)
	Out-of-pocket only (pay cash for all care)	528 (14.6)
	Do not use service	98 (2.7)
	Don't know/Not Sure	102 (2.8)
	Total Valid Response	3612 (100.0)
	Total missing	728
Health education	Care is free	1171 (33.6)
	Insurance pays total cost	466 (13.4)
	Insurance and out-of-pocket/cash (e.g. co-pays)	300 (8.6)
	Out-of-pocket only (pay cash for all care)	363 (10.4)
	Do not use service	921 (26.4)
	Don't know/Not Sure	269 (7.7)
	Total Valid Response	3490 (100.0)
	Total missing	850
Counseling	Care is free	868 (25.1)
	Insurance pays total cost	398 (11.5)
	Insurance and out-of-pocket/cash (e.g. co-pays)	389 (11.3)
	Out-of-pocket only (pay cash for all care)	364 (10.5)
	Do not use service	1092 (31.6)
	Don't know/Not Sure	345 (10.0)
	Total Valid Response	3456 (100.0)

Question	Response	Number of Respondents (%)
	Total missing	884

Table 3.1

Question	Response	Number of Respondents (%)
Are you aware of any government sponsored screening programs for diabetic eye disease (diabetic retinopathy)?	Yes	1107 (28.8%)
	No	2734 (71.2%)
	Total valid response	3841 (100.0%)
	Total missing	499

Table 3.2

Question	Response	Number of Respondents (%)
Have you ever had an eye exam for diabetic eye disease?	Yes	3078 (79.1%)
	No	815 (20.9%)
	Total valid response	3893 (100.0%)
	Total missing	447
How long ago was your last eye exam?	Within the last year	2354 (77.3%)
	More than 1 year ago but less than 2 years	501 (16.5%)
	More than 2 years ago but less than 3 years	104 (3.4%)
	More than 3 years ago but less than 5 years	40 (1.3%)
	Five or more years ago	37 (1.2%)
	Don't know/Not sure	9 (0.3%)
	Total valid response	3045 (100.0%)
	Total missing	1295
Who did the last exam?	General/Family practitioner	156 (5.1%)
	Eye doctor/Eye clinic	2750 (90.7%)
	Other	110 (3.6%)
	Don't know/Not sure	17 (0.6%)

Appendix VI: Phase II: Quantitative Global Results

Question	Response	Number of Respondents (%)
	Total valid response	3033 (100.0%)
	Total missing	1307

Table 3.3

Question	Response	Number of Respondents (%)
Have you ever had a dilated eye exam, where your eyes are examined after eye drops?	Yes	3133 (82.1%)
	No	564 (14.8%)
	Don't know/Not sure	118 (3.1%)
	Total valid response	3815 (100.0%)
	Total missing	525

Table 3.4

Question	Response	Number of Respondents (%)
Based on what you know, how often should you get your eyes examined for diabetic eye disease?	Once a year	3045 (79.4%)
	Every two years	316 (8.2%)
	Less often than every two years	52 (1.4%)
	Only when symptoms occur	120 (3.1%)
	Never	51 (1.3%)
	Don't know/Not sure	249 (6.5%)
	Total valid response	3833 (100.0%)
	Total missing	507

Table 3.5

Question	Response	Number of Respondents (%)
For you, what are the biggest barriers to eye exams?	They are expensive	987 (29.1%)

Table 3.5

Question	Response	Number of Respondents (%)
For you, what are the biggest barriers to eye exams?	They are expensive	987 (29.1%)
	Eye exams are not available near my home	633 (18.7%)
	Long wait time for appointment	1276 (37.6%)
	Long wait time on the day of the visit	804 (23.7%)
	Referral process is complicated or takes too long	425 (12.5%)
	Recommended treatments for eye problems are not available	229 (6.8%)
	Don't know much about my condition	381 (11.2%)
	Fear of treatment/results	411 (12.1%)
	Burden on my family/friends	268 (7.9%)
	Limited access to diabetes specialists	478 (14.1%)
	I'm not likely to have eye complications	149 (4.4%)
	Eye exams are not important	41 (1.2%)
	Too many other things to do or worry about	287 (8.5%)
	Clinics are too small or lack necessary equipment/staff	167 (4.9%)
	Other	538 (15.9%)
	Total valid response	3390 (100.0%)
	Total missing	950

Table 3.6

Question	Response	Number of Respondents (%)
Have you been diagnosed with diabetic eye disease?	Yes	1129 (29.4%)
	No	2716 (70.6%)
	Total valid response	3845 (100.0%)
	Total missing	495
Has your diabetic eye disease affected your vision?	Yes, slightly	559 (49.7%)
	Yes, significantly	326 (29.0%)
	No	239 (21.3%)
	Total valid response	1124 (100.0%)

Appendix VI: Phase II: Quantitative Global Results

Question	Response	Number of Respondents (%)
	Total missing	3216
Have vision issues caused you to have difficulty with any of the following?	Traveling	240 (28.1%)
	Household responsibilities, such as cooking or cleaning	210 (24.6%)
	Social interactions with family/friends	166 (19.4%)
	Leisure activities/exercise	233 (27.3%)
	Work or keeping a job	234 (27.4%)
	Managing my diabetes	171 (20.0%)
	Other	92 (10.8%)
	None	162 (19.0%)
	Driving (a car/vehicle)	337 (39.5%)
	Total valid response	854 (100.0%)
	Total missing	3486

Table 3.7

Question	Response	Number of Respondents (%)
Have you had any treatment for diabetic eye disease?	Yes	758 (67.4%)
	No	314 (27.9%)
	Don't know/Not sure	52 (4.6%)
	Total valid response	1124 (100.0%)
	Total missing	3216
What treatment did you receive?	Laser	569 (76.3%)
	Injection in the eye (Anti-VEGF)	237 (31.8%)
	Surgery	225 (30.2%)
	Other	89 (11.9%)
	Total valid response	746 (100.0%)
	Total missing	3594
Did you complete the treatment?	Yes	441 (58.5%)
	No	50 (6.6%)
	Still receiving treatment	243 (32.2%)

Question	Response	Number of Respondents (%)
	Don't know/Not sure	20 (2.7%)
	Total valid response	754 (100.0%)
	Total missing	3586
Do you feel that the treatment worked?	Yes, and vision improved	316 (45.5%)
	Yes, but vision stayed the same	233 (33.5%)
	No	54 (7.8%)
	Still waiting to know	58 (8.3%)
	Don't know/Not sure	34 (4.9%)
	Total valid response	695 (100.0%)
	Total missing	3645
What is/are the reason(s) that you did not complete the treatment?	Did not like the treatment	5 (10.9%)
	Treatment was not effective	11 (23.9%)
	Treatment was too expensive	11 (23.9%)
	Eye doctor was located too far away	8 (17.4%)
	Appointment times were not convenient	8 (17.4%)
	Too much burden on my family/friends	4 (8.7%)
	I was too busy	3 (6.5%)
	I was fearful (scared) of treatment	7 (15.2%)
	Other	20 (43.5%)
	Total valid response	46 (100.0%)
	Total missing	4294
What are the reason(s) that you have not had treatment for diabetic eye disease?	My doctor did not recommend any treatment	203 (68.1%)
	Treatment would not be effective	15 (5.0%)
	Treatment is not accessible	13 (4.4%)
	Still waiting for treatment	36 (12.1%)
	Treatment is not important to me	2 (0.7%)

Appendix VI: Phase II: Quantitative Global Results

Question	Response	Number of Respondents (%)
	Too expensive	23 (7.7%)
	No insurance	10 (3.4%)
	I'm too busy	6 (2.0%)
	I'm fearful of treatment	8 (2.7%)
	Other	38 (12.8%)
	Total valid response	298 (100.0%)
	Total missing	4042

Table 3.8

Question	Response	Number of Respondents (%)
Have you been diagnosed with diabetic macular edema?	Yes	332 (8.8%)
	No	2816 (74.5%)
	Don't know/Not sure	632 (16.7%)
	Total valid response	3780 (100.0%)
	Total missing	560
If Yes, which of the following would you prefer	Treatment to prevent further vision loss	275 (86.5%)
	Only treatment when vision loss has occurred	26 (8.2%)
	Don't know/Not sure	17 (5.3%)
	Total valid response	318 (100.0%)
	Total missing	4022

Table 3.9

Question	Response	Number of Respondents (%)
Have you received information about diabetic retinopathy or diabetic macular edema from any of the following sources?	Doctor/Nurse	1850 (50.2%)

Question	Response	Number of Respondents (%)
	Health educator	411 (11.2%)
	Diabetes organization or other health organization	744 (20.2%)
	Family/Friends/Neighbors	250 (6.8%)
	TV/Radio/Newspaper/Magazines	393 (10.7%)
	Internet	832 (22.6%)
	Other	15 (0.4%)
	None of the above	1128 (30.6%)
	Total valid response	3682 (100.0%)
	Total missing	658

Table 4.1

Question	Response	Number of Respondents (%)
What is your gender?	Female	2022 (53.8)
	Male	1737 (46.2)
	Total valid response	3759 (100.0)
	Total missing	581
Please indicate your age	18 - 29	544 (12.5)
	30 - 39	600 (13.8)
	40 - 49	721 (16.6)
	50 - 59	946 (21.8)
	60 - 69	942 (21.7)
	70 - 79	473 (10.9)
	80 - 89	107 (2.5)
	90 years and above	7 (0.2)
	Total valid response	4340 (100.0)

Table 4.2

Question	Response	Number of Respondents (%)
Where do you live?	Urban setting	3124 (82.9)

Appendix VI: Phase II: Quantitative Global Results

Question	Response	Number of Respondents (%)
	Non-urban setting	643 (17.1)
	Total valid response	3767 (100.0)
	Total missing	573

Table 4.3

Question	Response	Number of Respondents (%)
What is the highest level of education you completed?	Did not complete primary school	148 (3.9)
	Primary school	497 (13.2)
	Secondary school	1151 (30.6)
	Junior high school	1 (0.0)
	High school	20 (0.5)
	College/University	1265 (33.6)
	Graduate or post-graduate	681 (18.1)
	Total valid response	3763 (100.0)
	Total missing	577

Table 4.4

Question	Response	Number of Respondents (%)
Are you currently working?	Working for pay	1721 (45.9)
	Working without pay at home (e.g. housework, farming)	227 (6.1)
	Volunteering	82 (2.2)
	Retired	1061 (28.3)
	Student	140 (3.7)
	Not working	517 (13.8)
	Total valid response	3748 (100.0)
	Total missing	592

Table 4.5

Question	Response	Number of Respondents (%)
Do you receive assistance from the government?	Income assistance	350 (9.6)
	Medical assistance	724 (19.9)
	Food assistance	74 (2.0)
	Housing assistance	116 (3.2)
	Pension assistance	513 (14.1)
	None of the above	2299 (63.2)
	Total valid response	3639 (100.0)
	Total missing	701

Table 4.6

Question	Response	Number of Respondents (%)
Did you have trouble paying for food at anytime during the past year?	Yes	780 (21.0)
	No	2939 (79.0)
	Total valid response	3719 (100.0)
	Total missing	621

Table 4.7

Question	Response	Number of Respondents (%)
Do you feel that your access to health care is negatively affected by any of the following?	Gender	92 (2.5)
	Age	337 (9.3)
	Religion	45 (1.2)
	Place where you live	386 (10.7)
	Place of birth	58 (1.6)

Appendix VI: Phase II: Quantitative Global Results

Question	Response	Number of Respondents (%)
	Race	47 (1.3)
	Ethnicity	40 (1.1)
	Tribal affiliation	26 (0.7)
	Language you speak	59 (1.6)
	Income	708 (19.5)
	Education	108 (3.0)
	Sexual orientation	30 (0.8)
	None of the above	2437 (67.3)
	Total valid response	3622 (100.0)
	Total missing	718

Table 4.8

Question	Response	Number of Respondents (%)
Which of the following do you worry about most?	Food	134 (3.6)
	Housing	114 (3.1)
	Money	571 (15.3)
	Health	2016 (54.1)
	Family	512 (13.7)
	Other	7 (0.2)
	None of the above	373 (10.0)
	Total valid response	3727 (100.0)
	Total missing	613

Table 5.1

Question	Response	Number of Respondents (%)
In general, would you say your health is:	Excellent	65 (1.8%)
	Very good	428 (11.8%)
	Good	1327 (36.7%)
	Total good health	1820 (50.3%)
	Fair	1354 (37.5%)
	Poor	441 (12.2%)
	Fair or poor health	1795 (49.7%)
	Total valid response	3615 (100.0%)
	Total missing	725

Table 5.2

Question	Response	Number of Respondents (%)
How many days during last 30 days was your physical health not good	Any unhealthy days	1420 (48.9%)
	1-5 unhealthy days	548 (18.9%)
	6-10 unhealthy days	329 (11.3%)
	11-20 unhealthy days	249 (8.6%)
	21-30 unhealthy days	294 (10.1%)
	No unhealthy days	1483 (51.1%)
	Total valid response	2903 (100.0%)
	Total missing	1437

Appendix VI: Phase II: Quantitative Global Results

Table 5.3.1

Question	Response	Number of Respondents (%)
How many days during last 30 days was your mental health not good	Any unhealthy days	1228 (42.2%)
	1-5 unhealthy days	433 (14.9%)
	6-10 unhealthy days	265 (9.1%)
	11-20 unhealthy days	242 (8.3%)
	21-30 unhealthy days	288 (9.9%)
	No unhealthy days	1683 (57.8%)
	Total valid response	2911 (100.0%)
	Total missing	1429

Table 5.3.2

Question	Response	Number of Respondents (%)
Unhealthy days (physically or mentally unhealthy, max 30)	Any unhealthy days	1810 (63.0%)
	1-5 unhealthy days	476 (16.6%)
	6-10 unhealthy days	358 (12.5%)
	11-20 unhealthy days	383 (13.3%)
	21-30 unhealthy days	593 (20.6%)
	No unhealthy days	1065 (37.0%)
	Total valid response	2875 (100.0%)

Table 5.4

Question	Response	Number of Respondents (%)
How many days during last 30 days did poor health limit your usual activities	Any unhealthy days	955 (46.8%)
	1-5 unhealthy days	389 (19.1%)
	6-10 unhealthy days	223 (10.9%)
	11-20 unhealthy days	189 (9.3%)
	21-30 unhealthy days	154 (7.5%)
	No unhealthy days	1085 (53.2%)
	Total valid response	2040 (100.0%)
	Total missing	2300

Table 5.5

Question	Response	Number of Respondents (%)
Are you limited in any way in any activities because of any impairment or health problem?	Yes	1522 (44.2%)
	No	1921 (55.8%)
	Total valid response	3443 (100.0%)
	Total missing	897
Which impairment or health problem, if any, limits your activities?		
a) Arthritis/rheumatism	Yes	497 (39.9%)
	No	699 (56.1%)
	Don't know/Not sure	42 (3.4%)
	Refused	7 (0.6%)

Appendix VI: Phase II: Quantitative Global Results

Question	Response	Number of Respondents (%)
	Total valid response	1245 (100.0%)
	Total missing	3095
b) Back or neck problem	Yes	754 (57.1%)
	No	524 (39.7%)
	Don't know/Not sure	34 (2.6%)
	Refused	9 (0.7%)
	Total valid response	1321 (100.0%)
	Total missing	3019
c) Fractures, bone/joint injury	Yes	321 (26.9%)
	No	844 (70.6%)
	Don't know/Not sure	22 (1.8%)
	Refused	8 (0.7%)
	Total valid response	1195 (100.0%)
	Total missing	3145
d) Walking problem	Yes	680 (52.5%)
	No	580 (44.8%)
	Don't know/Not sure	28 (2.2%)
	Refused	7 (0.5%)
	Total valid response	1295 (100.0%)
	Total missing	3045
e) Lung/breathing problem	Yes	303 (25.0%)
	No	875 (72.2%)
	Don't know/Not sure	29 (2.4%)
	Refused	5 (0.4%)
	Total valid response	1212 (100.0%)
	Total missing	3128
f) Hearing problem	Yes	279 (23.4%)

Question	Response	Number of Respondents (%)
	No	887 (74.4%)
	Don't know/Not sure	23 (1.9%)
	Refused	3 (0.3%)
	Total valid response	1192 (100.0%)
	Total missing	3148
g) Eye/vision problem	Yes	734 (55.4%)
	No	550 (41.5%)
	Don't know/Not sure	38 (2.9%)
	Refused	3 (0.2%)
	Total valid response	1325 (100.0%)
	Total missing	3015
h) Heart problem	Yes	352 (28.8%)
	No	805 (65.8%)
	Don't know/Not sure	58 (4.7%)
	Refused	8 (0.7%)
	Total valid response	1223 (100.0%)
	Total missing	3117
i) Stroke problem	Yes	112 (9.6%)
	No	1012 (87.1%)
	Don't know/Not sure	29 (2.5%)
	Refused	9 (0.8%)
	Total valid response	1162 (100.0%)
	Total missing	3178
i) Hvoertension/high blood pressure	Yes	670 (52.0%)

Appendix VI: Phase II: Quantitative Global Results

Question	Response	Number of Respondents (%)
	Total valid response	1289 (100.0%)
	Total missing	3051
k) Diabetes	Yes	1293 (83.8%)
	No	213 (13.8%)
	Don't know/Not sure	32 (2.1%)
	Refused	5 (0.3%)
	Total valid response	1543 (100.0%)
	Total missing	2797
l) Cancer	Yes	72 (6.2%)
	No	1047 (89.9%)
	Don't know/Not sure	37 (3.2%)
	Refused	8 (0.7%)
	Total valid response	1164 (100.0%)
	Total missing	3176
m) Mental or emotional health	Yes	490 (38.1%)
	No	647 (50.3%)
	Don't know/Not sure	125 (9.7%)
	Refused	24 (1.9%)
	Total valid response	1286 (100.0%)
	Total missing	3054

PT 1.2

Analysis Sets	Number of Respondents (%)
---------------	---------------------------

Analysis Sets	Number of Respondents (%)
Reasons for exclusion from Provider Analysis Set:	.
No other valid survey data	1
Provider Analysis Set	2329
Included in the Eye Care Professional Set (Eye Specialist)	990 (42.5%)
Excluded in the Eye Care Professional Set (Eye Specialist)	1339 (57.5%)
Reasons for exclusion from Eye Care Professional Set:	.
Missing required speciality	1339
No valid (non-missing) response for the supplemental eye questionnaire	0

PT 1.3

Subgroups	Number of Respondents (%)
Provider Analysis Set	2329 (100.0%)
Primary Care Provider	365 (15.7%)
Diabetes Specialist Provider	403 (17.3%)
Eye Care Professional	990 (42.5%)
Ophthalmologist	855 (36.7%)

NB [1]: Primary Care Provider = General Practitioner/Family practitioner (but not diabetes specialist or eye care professional)

NB [2]: Diabetes specialist provider = Diabetes specialist (but not eye care professional)

NB [4]: Ophthalmologist = General ophthalmologist or retinal specialist

NB [5]: Note that providers may have selected more than one speciality

PT 1.3.IG

Subgroups	Upper-middle income group	High income group
Provider Analysis Set	1043 (100.0%)	1216 (100.0%)
Primary Care Provider	219 (21.0%)	139 (11.4%)
Diabetes Specialist Provider	193 (18.5%)	180 (14.8%)
Eye Care Professional	411 (39.4%)	561 (46.1%)
Ophthalmologist	397 (38.1%)	441 (36.3%)

PT 1.4

Item	Response	Primary Care Provider	Diabetes Specialist Provider	Ophthalmologist	PAS

Appendix VI: Phase II: Quantitative Global Results

Item	Response	Primary Care Provider	Diabetes Specialist Provider	Ophthalmologist	PAS
What is your specialty?	General primary care/Family practitioner	365 (100.0%)	37 (9.2%)	7 (0.8%)	411 (17.6%)
	Diabetes specialist	0 (0.0%)	403 (100.0%)	20 (2.3%)	424 (18.2%)
	General ophthalmologist	0 (0.0%)	0 (0.0%)	492 (57.5%)	492 (21.1%)
	Optometrist	0 (0.0%)	0 (0.0%)	11 (1.3%)	146 (6.3%)
	Retinal specialist	0 (0.0%)	0 (0.0%)	459 (53.7%)	459 (19.7%)
	Nurse	5 (1.4%)	26 (6.5%)	5 (0.6%)	310 (13.3%)
	Health educator	8 (2.2%)	27 (6.7%)	11 (1.3%)	162 (7.0%)
	None of the above	0 (0.0%)	0 (0.0%)	0 (0.0%)	221 (9.5%)
	Total valid response	365 (100.0%)	403 (100.0%)	855 (100.0%)	2329 (100.0%)
	Total missing	0	0	0	0

PT 1.5

Item	Response	Primary Care Provider	Diabetes Specialist Provider	Ophthalmologist	PAS
How long have you been practicing in this profession?	Total valid response (n)	365	398	849	2309
	Mean	16.4	16.9	16.3	16.1
	SD	11.5	10.5	11.4	11.5
	Median	15	16	15	15
	Min.	0	0	0	0
	Max.	80	54	80	80
	Total missing	0	5	6	20

PT 2.1

Question	Response	Primary Care Provider	Diabetes Specialist Provider	Ophthalmologist	PAS
What is your main practice setting?	Diabetes clinic/practice	26 (7.9%)	175 (45.2%)	16 (2.0%)	346 (15.9%)
	Eye clinic/practice	4 (1.2%)	5 (1.3%)	376 (46.2%)	516 (23.8%)
	General medical clinic/practice	239 (72.2%)	44 (11.4%)	10 (1.2%)	333 (15.3%)
	Hospital	44 (13.3%)	144 (37.2%)	396 (48.7%)	776 (35.7%)
	Other	18 (5.4%)	19 (4.9%)	15 (1.8%)	201 (9.3%)
	Total valid response	331 (100.0%)	387 (100.0%)	813 (100.0%)	2172 (100.0%)
	Total missing	34	16	42	157

PT 2.2

Question	Response	Primary Care Provider	Diabetes Specialist Provider	Ophthalmologist	PAS
Where is your main practice located?	Non-urban setting	37 (11.2%)	32 (8.4%)	39 (4.8%)	233 (10.8%)
	Urban setting	292 (88.8%)	351 (91.6%)	769 (95.2%)	1924 (89.2%)
	Total valid response	329 (100.0%)	383 (100.0%)	808 (100.0%)	2157 (100.0%)
	Total missing	36	20	47	172

PT 2.3

Question	Response	Primary Care Provider	Diabetes Specialist Provider	Ophthalmologist	PAS
In which sector is your main practice?	Combined/mixed	47 (14.3%)	57 (14.8%)	148 (18.3%)	331 (15.4%)
	Government	176 (53.5%)	165 (42.9%)	357 (44.1%)	1019 (47.3%)
	Non profit	15 (4.6%)	35 (9.1%)	35 (4.3%)	172

Appendix VI: Phase II: Quantitative Global Results

Question	Response	Primary Care Provider	Diabetes Specialist Provider	Ophthalmologist	PAS
					(8.0%)
	Private	91 (27.7%)	128 (33.2%)	269 (33.3%)	633 (29.4%)
	Total valid response	329 (100.0%)	385 (100.0%)	809 (100.0%)	2155 (100.0%)
	Total missing	36	18	46	174

PT 2.4

Question	Response	Primary Care Provider	Diabetes Specialist Provider	Ophthalmologist	PAS
Is your main practice limited to certain populations?	No	233 (70.8%)	288 (74.8%)	705 (86.8%)	1693 (78.2%)
	Yes, limited by age	35 (10.6%)	50 (13.0%)	17 (2.1%)	189 (8.7%)
	Yes, limited by gender	1 (0.3%)	2 (0.5%)	0 (0.0%)	10 (0.5%)
	Yes, limited to persons in the military or veterans	3 (0.9%)	1 (0.3%)	4 (0.5%)	14 (0.6%)
	Yes, limited to persons with health insurance	41 (12.5%)	23 (6.0%)	54 (6.7%)	137 (6.3%)
	Yes, limited to low income or uninsured persons	8 (2.4%)	12 (3.1%)	15 (1.8%)	52 (2.4%)
	Yes, limited to persons who pay out-of-pocket	10 (3.0%)	13 (3.4%)	24 (3.0%)	64 (3.0%)
	Yes, other	12 (3.6%)	9 (2.3%)	14 (1.7%)	82 (3.8%)
	Total valid response	329 (100.0%)	385 (100.0%)	812 (100.0%)	2166 (100.0%)
	Total missing	36	18	43	163

PT 2.5

Question	Response	Primary Care Provider	Diabetes Specialist Provider	Ophthalmologist	PAS
What is the average wait time for an appointment in your main practice?	Do not take appointments	46 (15.8%)	23 (6.7%)	23 (3.1%)	143 (7.5%)
	Don't know/Not sure	1 (0.3%)	8 (2.3%)	22 (2.9%)	60 (3.1%)
	Less than 1 week	154 (52.7%)	95 (27.6%)	151 (20.2%)	550 (28.8%)
	More than 1 month but less than 2 months	11 (3.8%)	32 (9.3%)	116 (15.5%)	214 (11.2%)
	More than 1 week but less than 1 month	52 (17.8%)	112 (32.6%)	281 (37.6%)	591 (30.9%)
	More than 2 months but less than 3 months	14 (4.8%)	33 (9.6%)	57 (7.6%)	134 (7.0%)
	More than 3 months but less than 6 months	2 (0.7%)	24 (7.0%)	55 (7.4%)	96 (5.0%)
	Other	9 (3.1%)	9 (2.6%)	12 (1.6%)	73 (3.8%)
	Six or more months	3 (1.0%)	8 (2.3%)	31 (4.1%)	52 (2.7%)
	Total valid response	292 (100.0%)	344 (100.0%)	748 (100.0%)	1913 (100.0%)
	Total missing	73	59	107	416

PT 2.6

Question	Response	Primary Care Provider	Diabetes Specialist Provider	Ophthalmologist	PAS
On average, how many patients do you see per week in your main practice [n patients]	Total valid response (n)	287	330	730	1827
	Mean	123.1	90	97.9	93.2
	SD	91.3	91.7	79.3	92.3
	Median	100	60	80	65

Appendix VI: Phase II: Quantitative Global Results

Question	Response	Primary Care Provider	Diabetes Specialist Provider	Ophthalmologist	PAS
	Min.	0	2	0	0
	Max.	500	700	700	700
	Total missing	78	73	125	502
What percentage of the patients in your main practice have diabetes [% patients]	Total valid response (n)	279	327	717	1795
	Mean	26.8	69.2	29.5	41.4
	SD	25.8	29.7	22.2	32.9
	Median	20	80	20	30
	Min.	0	5	0	0
	Max.	100	100	100	100
	Total missing	86	76	138	534

PT 2.7

Question	Response	Primary Care Provider	Diabetes Specialist Provider	Ophthalmologist	PAS
In your main practice, how do patients pay for the care and services that you provide?	Don't pay	146 (44.4%)	134 (34.8%)	239 (29.4%)	745 (34.4%)
	Pay a reduced/subsidized rate	34 (10.3%)	51 (13.2%)	146 (18.0%)	312 (14.4%)
	Pay out-of-pocket (full fees)	40 (12.2%)	88 (22.9%)	193 (23.8%)	434 (20.0%)
	Pay through insurance	72 (21.9%)	110 (28.6%)	262 (32.3%)	579 (26.7%)
	Patient pays some, insurance pays some	43 (13.1%)	45 (11.7%)	209 (25.7%)	392 (18.1%)
	Other	13 (4.0%)	12 (3.1%)	42 (5.2%)	130 (6.0%)

Question	Response	Primary Care Provider	Diabetes Specialist Provider	Ophthalmologist	PAS
	Total valid response	329 (100.0%)	385 (100.0%)	812 (100.0%)	2166 (100.0%)
	Total missing	36	18	43	163

PT 2.8

Question	Response	Primary Care Provider	Diabetes Specialist Provider	Ophthalmologist	PAS
In addition to your main practice, do you work in another practice setting?	Yes	74 (25.1%)	132 (37.9%)	355 (47.1%)	681 (35.1%)
	No	221 (74.9%)	216 (62.1%)	399 (52.9%)	1260 (64.9%)
	Total valid response	295 (100.0%)	348 (100.0%)	754 (100.0%)	1941 (100.0%)
	Total missing	70	55	101	388
In which other practice setting(s) do you work?	Hospital	13 (18.3%)	48 (38.7%)	108 (30.9%)	187 (28.4%)
	General medical clinic/practice	28 (39.4%)	30 (24.2%)	26 (7.4%)	104 (15.8%)
	Diabetes clinic/practice	3 (4.2%)	39 (31.5%)	13 (3.7%)	72 (10.9%)
	Eye clinic/practice		3 (2.4%)	227 (65.0%)	244 (37.0%)
	Other	34 (47.9%)	29 (23.4%)	36 (10.3%)	151 (22.9%)
	Total valid response	71 (100.0%)	124 (100.0%)	349 (100.0%)	659 (100.0%)
	Total missing	294	279	506	1670
In which sector(s) is(are) the practice(s)?	Government	20 (28.2%)	37 (29.8%)	49 (14.0%)	140 (21.3%)
	Private	32 (45.1%)	64 (51.6%)	232 (66.5%)	374 (56.8%)
	Non profit	7 (9.9%)	4 (3.2%)	10 (2.9%)	37 (5.6%)

Appendix VI: Phase II: Quantitative Global Results

Question	Response	Primary Care Provider	Diabetes Specialist Provider	Ophthalmologist	PAS
	Combined/mixed	12 (16.9%)	19 (15.3%)	58 (16.6%)	107 (16.3%)
	Total valid response	71 (100.0%)	124 (100.0%)	349 (100.0%)	658 (100.0%)
	Total missing	294	279	506	1671
Is there a major difference between your practices with respect to how diabetic eye disease is screened and managed?	Yes	30 (42.3%)	58 (47.2%)	133 (38.2%)	257 (39.4%)
	No	41 (57.7%)	65 (52.8%)	215 (61.8%)	396 (60.6%)
	Total valid response	71 (100.0%)	123 (100.0%)	348 (100.0%)	653 (100.0%)
	Total missing	294	280	507	1676

PT 2.9

Type of Test	Yes/No	How often/year	Primary Care Provider	Diabetes Specialist Provider	Ophthalmologist	PAS
Blood glucose	Yes		267 (96.4%)	308 (94.8%)	418 (69.7%)	1366 (82.8%)
		Total valid numeric response (n)	256 (92.4%)	285 (87.7%)	387 (64.5%)	1265 (76.7%)
		Mean	19.3	41.5	16.0	26.8
		SD	63.9	101.5	58.5	80.8
		Median	4.0	4.0	3.0	4.0
		Min	0	0	0	0
		Max	365	365	365	365
		Total missing	109	118	468	1064

Type of Test	Yes/No	How often/year	Primary Care Provider	Diabetes Specialist Provider	Ophthalmologist	PAS
	No		10 (3.6%)	17 (5.2%)	182 (30.3%)	283 (17.2%)
	Total valid response		277 (100.0%)	325 (100.0%)	600 (100.0%)	1649 (100.0%)
	Total Missing		88	78	255	680
HbA1c	Yes		243 (89.3%)	301 (93.8%)	376 (63.3%)	1230 (76.3%)
		Total valid numeric response (n)	232 (85.3%)	283 (88.2%)	352 (59.3%)	1149 (71.2%)
		Mean	9.0	19.3	6.4	10.2
		SD	42.2	71.7	34.0	48.4
		Median	3.0	4.0	2.0	3.0
		Min	0	0	0	0
		Max	365	365	365	365
		Total missing	133	120	503	1180
	No		29 (10.7%)	20 (6.2%)	218 (36.7%)	383 (23.7%)
	Total valid response		272 (100.0%)	321 (100.0%)	594 (100.0%)	1613 (100.0%)
	Total Missing		93	82	261	716
Urine check	Yes		253 (94.4%)	290 (90.3%)	259 (46.8%)	1103 (70.1%)
		Total valid numeric response (n)	244 (91.0%)	272 (84.7%)	240 (43.3%)	1030 (65.5%)
		Mean	17.9	21.8	8.2	13.5
		SD	66.1	76.9	40.8	56.5
		Median	2.0	2.0	2.0	2.0
		Min	0	0	0	0
		Max	365	365	365	365
		Total	121	131	615	1299

Appendix VI: Phase II: Quantitative Global Results

Type of Test	Yes/No	How often/year	Primary Care Provider	Diabetes Specialist Provider	Ophthalmologist	PAS
		missing				
	No		15 (5.6%)	31 (9.7%)	295 (53.2%)	470 (29.9%)
	Total valid response		268 (100.0%)	321 (100.0%)	554 (100.0%)	1573 (100.0%)
	Total Missing		97	82	301	756
Weight check	Yes		263 (96.0%)	314 (96.6%)	249 (45.5%)	1168 (73.7%)
		Total valid numeric response (n)	255 (93.1%)	294 (90.5%)	230 (42.0%)	1089 (68.8%)
		Mean	17.4	20.7	7.4	13.9
		SD	64.1	71.9	36.1	56.0
		Median	4.0	4.0	2.0	4.0
		Min	0	0	0	0
		Max	365	365	365	365
		Total missing	110	109	625	1240
	No		11 (4.0%)	11 (3.4%)	298 (54.5%)	416 (26.3%)
	Total valid response		274 (100.0%)	325 (100.0%)	547 (100.0%)	1584 (100.0%)
	Total Missing		91	78	308	745
Blood pressure check	Yes		271 (98.2%)	320 (97.9%)	394 (67.0%)	1357 (83.1%)
		Total valid numeric response (n)	262 (94.9%)	298 (91.1%)	370 (62.9%)	1270 (77.8%)
		Mean	26.9	25.6	14.6	21.3
		SD	81.1	79.4	50.6	69.2
		Median	5.0	4.0	4.0	4.0
		Min	0	0	0	0
		Max	365	365	365	365

Type of Test	Yes/No	How often/year	Primary Care Provider	Diabetes Specialist Provider	Ophthalmologist	PAS
		Total missing	103	105	485	1059
	No		5 (1.8%)	7 (2.1%)	194 (33.0%)	276 (16.9%)
	Total valid response		276 (100.0%)	327 (100.0%)	588 (100.0%)	1633 (100.0%)
	Total Missing		89	76	267	696
Foot check	Yes		225 (82.7%)	299 (92.9%)	161 (30.0%)	992 (63.8%)
		Total valid numeric response (n)	216 (79.4%)	280 (87.0%)	145 (27.1%)	926 (59.5%)
		Mean	9.5	19.8	6.9	11.7
		SD	37.7	71.0	35.0	50.2
		Median	3.0	2.0	2.0	2.0
		Min	0	0	0	0
		Max	365	365	365	365
		Total missing	149	123	710	1403
	No		47 (17.3%)	23 (7.1%)	375 (70.0%)	564 (36.2%)
	Total valid response		272 (100.0%)	322 (100.0%)	536 (100.0%)	1556 (100.0%)
	Total Missing		93	81	319	773
Eye examination - Un-dilated	Yes		166 (61.7%)	157 (51.1%)	536 (83.5%)	1107 (67.5%)
		Total valid numeric response (n)	162 (60.2%)	145 (47.2%)	509 (79.3%)	1046 (63.8%)
		Mean	7.6	9.5	14.8	14.0
		SD	41.1	49.6	62.4	60.7
		Median	1.0	1.0	2.0	1.0
		Min	0	0	0	0

Appendix VI: Phase II: Quantitative Global Results

Type of Test	Yes/No	How often/year	Primary Care Provider	Diabetes Specialist Provider	Ophthalmologist	PAS
		Max	365	365	365	365
		Total missing	203	258	346	1283
	No		103 (38.3%)	150 (48.9%)	106 (16.5%)	533 (32.5%)
	Total valid response		269 (100.0%)	307 (100.0%)	642 (100.0%)	1640 (100.0%)
	Total Missing		96	96	213	689
	Eye examination - Optical Coherence Tomography		37 (14.6%)	55 (18.6%)	608 (89.4%)	845 (51.8%)
		Total valid numeric response (n)	35 (13.8%)	47 (15.9%)	569 (83.7%)	779 (47.7%)
		Mean	0.9	8.7	21.1	19.1
		SD	1.3	53.1	79.7	75.5
		Median	1.0	1.0	2.0	1.0
		Min	0	0	0	0
		Max	6	365	365	365
		Total missing	330	356	286	1550
	No		217 (85.4%)	241 (81.4%)	72 (10.6%)	787 (48.2%)
	Total valid response		254 (100.0%)	296 (100.0%)	680 (100.0%)	1632 (100.0%)
	Total Missing		111	107	175	697
	Eye examination - Fundoscopy	Yes	109 (41.8%)	181 (58.4%)	697 (98.9%)	1241 (73.0%)
		Total valid numeric response (n)	106 (40.6%)	172 (55.5%)	661 (93.8%)	1172 (68.9%)
		Mean	2.2	4.6	21.5	18.1

Type of Test	Yes/No	How often/year	Primary Care Provider	Diabetes Specialist Provider	Ophthalmologist	PAS
		SD	2.6	29.0	79.0	72.3
		Median	1.0	1.0	2.0	1.0
		Min	0	0	0	0
		Max	12	365	365	365
		Total missing	259	231	194	1157
	No		152 (58.2%)	129 (41.6%)	8 (1.1%)	460 (27.0%)
	Total valid response		261 (100.0%)	310 (100.0%)	705 (100.0%)	1701 (100.0%)
	Total Missing		104	93	150	628
	Eye examination - Fluorescein Angiography		Yes	37 (14.5%)	81 (26.9%)	567 (85.8%)
			Total valid numeric response (n)	36 (14.1%)	72 (23.9%)	525 (79.4%)
Mean			1.1	15.5	16.8	14.6
SD			1.4	70.0	69.2	63.4
Median			1.0	1.0	1.0	1.0
Min			0	0	0	0
Max			6	365	365	365
Total missing			329	331	330	1591
No			219 (85.5%)	220 (73.1%)	94 (14.2%)	814 (50.5%)
Total valid response			256 (100.0%)	301 (100.0%)	661 (100.0%)	1611 (100.0%)
Total Missing			109	102	194	718
Eye examination - Lipid check	Yes		144 (54.5%)	176 (57.3%)	320 (56.2%)	795 (51.9%)
		Total valid	140	168	306 (53.8%)	758

Appendix VI: Phase II: Quantitative Global Results

Type of Test	Yes/No	How often/year	Primary Care Provider	Diabetes Specialist Provider	Ophthalmologist	PAS
		numeric response (n)	(53.0%)	(54.7%)		(49.5%)
		Mean	7.4	7.8	9.5	8.3
		SD	40.2	39.8	50.8	45.1
		Median	2.0	2.0	1.0	2.0
		Min	0	0	0	0
		Max	365	365	365	365
		Total missing	225	235	549	1571
	No		120 (45.5%)	131 (42.7%)	249 (43.8%)	736 (48.1%)
	Total valid response		264 (100.0%)	307 (100.0%)	569 (100.0%)	1531 (100.0%)
	Total Missing		101	96	286	798

PT 2.10

Question	Response	Primary Care Provider	Diabetes Specialist Provider	Ophthalmologist	PAS
In your main practice, what topics do you cover during a routine visit with a patient who has diabetes?	Diabetes management and monitoring	253 (94.4%)	284 (93.7%)	410 (60.5%)	1326 (77.7%)
	Diet/nutrition	237 (88.4%)	278 (91.7%)	241 (35.5%)	1083 (63.4%)
	Exercise/physical activity	232 (86.6%)	266 (87.8%)	222 (32.7%)	1042 (61.0%)
	Medicines	254 (94.8%)	288 (95.0%)	310 (45.7%)	1210 (70.9%)
	Foot care and inspection	175 (65.3%)	239 (78.9%)	50 (7.4%)	701 (41.1%)
	Blood pressure	244 (91.0%)	280 (92.4%)	244 (36.0%)	1071 (62.7%)
	Eye care and	127	189	634 (93.5%)	1249

Question	Response	Primary Care Provider	Diabetes Specialist Provider	Ophthalmologist	PAS
	exams	(47.4%)	(62.4%)		(73.2%)
	Lipid check	214 (79.9%)	253 (83.5%)	151 (22.3%)	835 (48.9%)
	Other	1 (0.4%)	7 (2.3%)	1 (0.1%)	13 (0.8%)
	None of the above	4 (1.5%)	2 (0.7%)	13 (1.9%)	31 (1.8%)
	Total valid response	268 (100.0%)	303 (100.0%)	678 (100.0%)	1707 (100.0%)
	Total missing	97	100	177	622

PT 2.11

Question	Response	Primary Care Provider	Diabetes Specialist Provider	Ophthalmologist	PAS
Is there written information about diabetes available for patients in your main practice?	Yes, and information on eye complications is sufficient	58 (21.6%)	93 (31.0%)	252 (37.2%)	573 (33.7%)
	Yes, but information on eye complications is not sufficient	53 (19.8%)	112 (37.3%)	102 (15.0%)	380 (22.3%)
	Yes, but no information on eye complications is included	40 (14.9%)	42 (14.0%)	8 (1.2%)	136 (8.0%)
	No written information is available for patients	102 (38.1%)	44 (14.7%)	258 (38.1%)	492 (28.9%)
	Don't know/Not sure	15 (5.6%)	9 (3.0%)	58 (8.6%)	120 (7.1%)
	Total valid response	268 (100.0%)	300 (100.0%)	678 (100.0%)	1701 (100.0%)
	Total missing	97	103	177	628

PT 2.12

Appendix VI: Phase II: Quantitative Global Results

PT 2.12

Question	Response	Primary Care Provider	Diabetes Specialist Provider	Ophthalmologist	PAS
Do you have written protocols/guidelines available in your main practice for the management of diabetes?	Yes, available and used by staff	146 (55.1%)	201 (67.2%)	255 (38.1%)	897 (53.1%)
	Yes, available but not used by staff	43 (16.2%)	32 (10.7%)	60 (9.0%)	163 (9.7%)
	Not available	59 (22.3%)	54 (18.1%)	273 (40.7%)	465 (27.5%)
	Don't know/Not sure	17 (6.4%)	12 (4.0%)	82 (12.2%)	164 (9.7%)
	Total valid response	265 (100.0%)	299 (100.0%)	670 (100.0%)	1689 (100.0%)
	Total missing	100	104	185	640

PT 2.13

Question	Response	Primary Care Provider	Diabetes Specialist Provider	Ophthalmologist	PAS
Do you have written protocols/guidelines for detection and management of diabetes-related vision issue available in your main practice?	Yes, available and used by staff	94 (35.6%)	115 (38.6%)	328 (48.8%)	743 (44.0%)
	Yes, available but not used by staff	34 (12.9%)	34 (11.4%)	66 (9.8%)	157 (9.3%)
	Not available	107 (40.5%)	131 (44.0%)	222 (33.0%)	596 (35.3%)
	Don't know/Not sure	29 (11.0%)	18 (6.0%)	56 (8.3%)	191 (11.3%)
	Total valid	264	298	672 (100.0%)	1687

Question	Response	Primary Care Provider	Diabetes Specialist Provider	Ophthalmologist	PAS
	response	(100.0%)	(100.0%)		(100.0%)
	Total missing	101	105	183	642

PT 2.14

Question	Response	Primary Care Provider	Diabetes Specialist Provider	Ophthalmologist	PAS
What is the protocol in your main practice for timing of initial eye exams for persons with diabetes - Type I?	After a predetermined number of years (numeric response) (n)	48 (18.8%)	99 (35.0%)	144 (22.2%)	345 (21.2%)
	Mean	4.3	4.9	4.9	4.7
	SD	2.1	1.2	1.6	1.6
	Median	5.0	5.0	5.0	5.0
	Min	1	2	1	1
	Max	10	10	10	10
	After a predetermined age (numeric response) (n)	2 (0.8%)	6 (2.1%)	28 (4.3%)	53 (3.3%)
	Mean	57.5	11.7	15.5	16.0
	SD	10.6	1.5	10.1	11.7
	Median	57.5	12.0	12.5	12.0
	Min	50	10	5	5
	Max	65	14	50	65
	As soon as they are diagnosed	139 (54.5%)	132 (46.6%)	343 (52.9%)	827 (50.8%)
	When a patient reports eye/vision problems	14 (5.5%)	12 (4.2%)	15 (2.3%)	66 (4.1%)
	No standard practice, timing varies case by case	38 (14.9%)	26 (9.2%)	85 (13.1%)	222 (13.6%)
	Don't know/Not	9 (3.5%)	2 (0.7%)	21 (3.2%)	76 (4.7%)

Appendix VI: Phase II: Quantitative Global Results

Question	Response	Primary Care Provider	Diabetes Specialist Provider	Ophthalmologist	PAS
	sure				
	Other	5 (2.0%)	6 (2.1%)	13 (2.0%)	38 (2.3%)
	Total valid response	255 (100.0%)	283 (100.0%)	649 (100.0%)	1627 (100.0%)
	Total missing	110	120	206	702
What is the protocol in your main practice for timing of initial eye exams for persons with diabetes - Type II?	After a predetermined number of years (numeric response) (n)	12 (4.7%)	9 (3.0%)	22 (3.3%)	50 (3.0%)
	Mean	2.3	4.3	4.8	3.7
	SD	1.7	2.1	2.1	2.2
	Median	1.5	5.0	5.0	5.0
	Min	1	1	1	1
	Max	5	8	10	10
	After a predetermined age (numeric response) (n)	2 (0.8%)	0 (0.0%)	4 (0.6%)	10 (0.6%)
	Mean	33.5		46.3	35.9
	SD	44.5		20.6	24.6
	Median	33.5		47.5	42.5
	Min	2		20	2
	Max	65		70	70
	As soon as they are diagnosed	182 (70.8%)	257 (86.5%)	530 (80.4%)	1274 (77.0%)
	When a patient reports eye/vision problems	13 (5.1%)	8 (2.7%)	17 (2.6%)	60 (3.6%)
	No standard practice, timing varies case by case	38 (14.8%)	17 (5.7%)	66 (10.0%)	177 (10.7%)
	Don't know/Not sure	5 (1.9%)	2 (0.7%)	11 (1.7%)	53 (3.2%)
	Other	5 (1.9%)	4 (1.3%)	9 (1.4%)	31 (1.9%)

Question	Response	Primary Care Provider	Diabetes Specialist Provider	Ophthalmologist	PAS
	Total valid response	257 (100.0%)	297 (100.0%)	659 (100.0%)	1655 (100.0%)
	Total missing	108	106	196	674

PT 2.15

Question	Response	Primary Care Provider	Diabetes Specialist Provider	Ophthalmologist	PAS
What is the protocol in your main practice for timing of follow-up eye examinations for persons with diabetes?	Once a year	178 (69.3%)	254 (86.1%)	532 (80.5%)	1261 (76.1%)
	Every two years	34 (13.2%)	21 (7.1%)	27 (4.1%)	125 (7.5%)
	More than every two years	4 (1.6%)	3 (1.0%)	1 (0.2%)	13 (0.8%)
	Only when symptoms are present	14 (5.4%)	6 (2.0%)	6 (0.9%)	40 (2.4%)
	Other	10 (3.9%)	10 (3.4%)	87 (13.2%)	151 (9.1%)
	Don't know/Not sure	17 (6.6%)	1 (0.3%)	8 (1.2%)	66 (4.0%)
	Total Valid Response	257 (100.0%)	295 (100.0%)	661 (100.0%)	1656 (100.0%)
	Total missing	108	108	194	673

Appendix VI: Phase II: Quantitative Global Results

PT 2.16

Question	Response	Primary Care Provider	Diabetes Specialist Provider	Ophthalmologist	PAS
Do you screen patients for DR?	Yes	150 (57.0%)	210 (70.7%)	610 (90.4%)	1232 (72.8%)
	No	113 (43.0%)	87 (29.3%)	65 (9.6%)	460 (27.2%)
	Total valid response	263 (100.0%)	297 (100.0%)	675 (100.0%)	1692 (100.0%)
	Total missing	102	106	180	637
Where do you screen patients?	In clinic	92 (62.6%)	145 (70.0%)	512 (85.8%)	953 (79.0%)
	Outreach	27 (18.4%)	30 (14.5%)	74 (12.4%)	177 (14.7%)
	Other	34 (23.1%)	48 (23.2%)	58 (9.7%)	170 (14.1%)
	Total valid response	147 (100.0%)	207 (100.0%)	597 (100.0%)	1207 (100.0%)
	Total missing	218	196	258	1122

PT 2.17

Question	Response	Primary Care Provider	Diabetes Specialist Provider	Ophthalmologist	PAS
What patient characteristics influence your vision care and/or vision referrals?	Diabetes duration	200 (74.6%)	221 (72.9%)	540 (79.6%)	1262 (73.9%)
	Patient's age	160 (59.7%)	143 (47.2%)	335 (49.4%)	861 (50.4%)
	Patient's gender	28 (10.4%)	13 (4.3%)	44 (6.5%)	121 (7.1%)
	Presence of comorbidities such as hypertension, etc.	179 (66.8%)	191 (63.0%)	461 (68.0%)	1096 (64.2%)
	High glucose levels	164 (61.2%)	174 (57.4%)	481 (70.9%)	1091 (63.9%)
	Ability or inability to pay	20 (7.5%)	27 (8.9%)	47 (6.9%)	121 (7.1%)
	Insurance restrictions	22 (8.2%)	19 (6.3%)	32 (4.7%)	90 (5.3%)

Question	Response	Primary Care Provider	Diabetes Specialist Provider	Ophthalmologist	PAS
	Patient educational level	41 (15.3%)	33 (10.9%)	135 (19.9%)	253 (14.8%)
	Patient adherence to recommendations	67 (25.0%)	69 (22.8%)	207 (30.5%)	454 (26.6%)
	None of the above	19 (7.1%)	29 (9.6%)	24 (3.5%)	112 (6.6%)
	Not applicable	16 (6.0%)	20 (6.6%)	45 (6.6%)	129 (7.6%)
	Total valid response	268 (100.0%)	303 (100.0%)	678 (100.0%)	1707 (100.0%)
	Total missing	97	100	177	622

PT 2.18

Question	Response	Primary Care Provider	Diabetes Specialist Provider	Ophthalmologist	PAS
What are the major barriers to optimizing eye health faced by patients with diabetes in your main practice?	Cost of care	73 (27.2%)	100 (33.0%)	255 (37.6%)	552 (32.3%)
	Proximity to care	58 (21.6%)	54 (17.8%)	167 (24.6%)	369 (21.6%)
	Long wait time for appointment	117 (43.7%)	107 (35.3%)	186 (27.4%)	525 (30.8%)
	Long wait time on the day of visit	42 (15.7%)	53 (17.5%)	112 (16.5%)	272 (15.9%)
	Referral process	93 (34.7%)	64 (21.1%)	200 (29.5%)	446 (26.1%)
	Recommended treatments are not available	33 (12.3%)	31 (10.2%)	55 (8.1%)	148 (8.7%)
	Lack of knowledge and/or awareness	99 (36.9%)	100 (33.0%)	347 (51.2%)	732 (42.9%)
	Patients fear of treatment/results	60 (22.4%)	77 (25.4%)	218 (32.2%)	467 (27.4%)
	Patients they are a	24 (9.0%)	13 (4.3%)	79 (11.7%)	162

Appendix VI: Phase II: Quantitative Global Results

Question	Response	Primary Care Provider	Diabetes Specialist Provider	Ophthalmologist	PAS
	burden on family/friends				(9.5%)
	Limited access to diabetes specialists	71 (26.5%)	31 (10.2%)	138 (20.4%)	332 (19.4%)
	Limited access to eye specialists	102 (38.1%)	89 (29.4%)	148 (21.8%)	452 (26.5%)
	Patients feel eye complications are unlikely	61 (22.8%)	70 (23.1%)	245 (36.1%)	510 (29.9%)
	Patients feel eye exams are not important	79 (29.5%)	76 (25.1%)	243 (35.8%)	561 (32.9%)
	Patients have competing responsibilities and priorities	43 (16.0%)	61 (20.1%)	166 (24.5%)	389 (22.8%)
	Clinic too small or lack necessary equipment/staff	37 (13.8%)	39 (12.9%)	56 (8.3%)	178 (10.4%)
	Other	16 (6.0%)	16 (5.3%)	31 (4.6%)	103 (6.0%)
	Total valid response	268 (100.0%)	303 (100.0%)	678 (100.0%)	1707 (100.0%)
	Total missing	97	100	177	622

PT 2.19

Question	Response	Primary Care Provider	Diabetes Specialist Provider	Ophthalmologist	PAS
In you main practice, are patients contacted with reminders for general follow-up appointments?	Yes	99 (40.6%)	162 (56.3%)	307 (47.5%)	851 (52.9%)
	No	136 (55.7%)	114 (39.6%)	298 (46.1%)	665 (41.4%)
	Don't know/Not sure	9 (3.7%)	12 (4.2%)	41 (6.3%)	92 (5.7%)
	Total Valid Response	244 (100.0%)	288 (100.0%)	646 (100.0%)	1608 (100.0%)

Question	Response	Primary Care Provider	Diabetes Specialist Provider	Ophthalmologist	PAS
	Total missing	121	115	209	721

PT 2.20

Question	Response	Primary Care Provider	Diabetes Specialist Provider	Ophthalmologist	PAS
Do you share relevant patient information with other health care professionals involved in the patients care e.g. his or her general practitioner, ophthalmologist, podiatrist?	Yes	162 (66.7%)	242 (84.0%)	534 (82.8%)	1282 (79.9%)
	No	71 (29.2%)	39 (13.5%)	90 (14.0%)	259 (16.1%)
	Don't know/Not sure	10 (4.1%)	7 (2.4%)	21 (3.3%)	63 (3.9%)
	Total Valid Response	243 (100.0%)	288 (100.0%)	645 (100.0%)	1604 (100.0%)
	Total missing	122	115	210	725

PT 3.1

Question	Response	Primary Care Provider	Diabetes Specialist Provider	Ophthalmologist	PAS
Please indicate your age:	18 - 29	23 (9.4%)	6 (2.1%)	32 (5.0%)	105 (6.5%)
	30 - 39	60 (24.5%)	63 (21.9%)	181 (28.0%)	423 (26.3%)
	40 - 49	65 (26.5%)	93 (32.3%)	201 (31.1%)	477 (29.7%)
	50 - 59	80 (32.7%)	85 (29.5%)	174 (26.9%)	446 (27.7%)

Appendix VI: Phase II: Quantitative Global Results

Question	Response	Primary Care Provider	Diabetes Specialist Provider	Ophthalmologist	PAS
	60 - 69	15 (6.1%)	36 (12.5%)	50 (7.7%)	140 (8.7%)
	70 - 79	2 (0.8%)	5 (1.7%)	6 (0.9%)	15 (0.9%)
	80 - 89			2 (0.3%)	2 (0.1%)
	Total valid response	245 (100.0%)	288 (100.0%)	646 (100.0%)	1608 (100.0%)
	Total missing	120	115	209	721
What is your gender?	Female	130 (53.7%)	138 (48.4%)	298 (46.1%)	889 (55.5%)
	Male	112 (46.3%)	147 (51.6%)	348 (53.9%)	712 (44.5%)
	Total valid response	242 (100.0%)	285 (100.0%)	646 (100.0%)	1601 (100.0%)
	Total missing	123	118	209	728
What is your highest level of education completed?	Secondary School	1 (0.4%)	3 (1.0%)	3 (0.5%)	21 (1.3%)
	College/University	85 (34.7%)	57 (19.9%)	75 (11.6%)	432 (26.9%)
	Graduate or advanced degree (e.g. PhD, MD, etc)	159 (64.9%)	227 (79.1%)	569 (87.9%)	1154 (71.8%)
	Total valid response	245 (100.0%)	287 (100.0%)	647 (100.0%)	1607 (100.0%)
	Total missing	120	116	208	722

PT 4.1

Question	Response	Ophthalmologist
What percentage of your patients have diabetic retinopathy	Total valid numeric response (n)	630
	Mean	25.0
	SD	22.3
Question	Response	Ophthalmologist
	Median	20.0
	Min	0
	Max	100
	Total missing	225

PT 4.2

Question	Response	Ophthalmologist
What percentage of your patients have diabetic macular edema?	Total valid numeric response (n)	81
	Mean	16.0
	SD	17.6
	Median	10.0
	Min	0
	Max	100
	Total missing	29
What percentage of your patients have diabetic macular edema?	Total valid numeric response (n)	14
	Mean	9.5
	SD	6.9
	Median	9.0
	Min	0
	Max	20
	Total missing	4
What percentage of your patients have diabetic macular edema?	Total valid numeric response (n)	16
	Mean	17.0
	SD	20.2
	Median	8.0
	Min	0
	Max	70
	Total missing	10
What percentage of your patients have diabetic macular edema?	Total valid numeric response (n)	4

Appendix VI: Phase II: Quantitative Global Results

Question	Response	Ophthalmologist
	Mean	7.3
	SD	8.6
	Median	3.5
	Min	2
	Max	20
	Total missing	4
What percentage of your patients have diabetic macular edema?	Total valid numeric response (n)	26
	Mean	16.4
	SD	21.1
	Median	10.0
	Min	1
	Max	100
	Total missing	4
What percentage of your patients have diabetic macular edema?	Total valid numeric response (n)	12
	Mean	25.9
	SD	18.6
	Median	25.0
	Min	3
	Max	50
	Total missing	3
What percentage of your patients have diabetic macular edema?	Total valid numeric response (n)	9
	Mean	14.1
	SD	10.0
	Median	10.0
	Min	5
	Max	30
	Total missing	4

PT 4.3

Question	Response	Ophthalmologist
What is the average amount of time your patients wait for an appointment to be screened for diabetic eye disease in your practice?	Less than 1 week	136 (21.9%)
	More than 1 week but less than 1 month	234 (37.6%)
	More than 1 month but less than 2 months	97 (15.6%)
	More than 2 months but less than 3 months	45 (7.2%)
	More than 3 months but less than 6 months	35 (5.6%)
	Six or more months	25 (4.0%)
	Do not take appointment	17 (2.7%)
	Other	10 (1.6%)
	Don't know/Not sure	23 (3.7%)
	Total Valid Response	622 (100.0%)
	Total missing	233

PT 4.4

Question	Response	Ophthalmologist
From the time a patient is screened, what is the average length of time he/she waits for diagnosis?	Less than 1 week	119 (19.1%)
	More than 1 week but less than 1 month	60 (9.6%)
	More than 1 month but less than 2 months	32 (5.1%)
	More than 2 months but less than 3 months	15 (2.4%)
	More than 3 months but less than 6 months	4 (0.6%)
	Six or more months	3 (0.5%)
	Other	7 (1.1%)
	Don't know/Not sure	16 (2.6%)
	There is not wait, diagnosis is given when screened	367 (58.9%)
	Total Valid Response	623 (100.0%)

Appendix VI: Phase II: Quantitative Global Results

PT 4.5

Type of Treatment	Question	Response/time	Ophthalmologist
Laser photocoagulation	Is the treatment available?	Available within country	248 (39.9%)
		Available locally	241 (38.8%)
		Available in practice	495 (79.7%)
		Not available	4 (0.6%)
		Total valid response	621 (100.0%)
		Total missing	234
	What is the average amount of time your patients wait for a consultation appointment? (weeks)	Total valid numeric response (n)	421 (79.4%)
		Mean	2.2
		SD	2.4
		Median	1.0
		Min	0
		Max	24
		Dont know/not sure	75 (14.2%)
		Not applicable	34 (6.4%)
		Total valid response	530 (100.0%)
		Total missing	325
	What is the average amount of time your patients wait for a first treatment?(weeks)	Total valid numeric response (n)	427 (81.6%)
		Mean	2.1
		SD	2.3
		Median	1.0
		Min	0
		Max	24
		Dont know/not sure	64 (12.2%)

Type of Treatment	Question	Response/time	Ophthalmologist
	What is the average amount of time your patients wait for a second treatment?(weeks)	Not applicable	32 (6.1%)
		Total valid response	523 (100.0%)
		Total missing	332
		Total valid numeric response (n)	400 (79.1%)
		Mean	2.9
		SD	2.7
		Median	2.0
		Min	0
		Max	30
		Dont know/not sure	68 (13.4%)
		Not applicable	38 (7.5%)
		Total valid response	506 (100.0%)
		Total missing	349
Anti-VEGF therapies	Is the treatment available?	Available within country	251 (40.6%)
	What is the average amount of time your patients wait for a consultation appointment? (weeks)	Available locally	235 (38.0%)
		Available in practice	476 (77.0%)
		Not available	5 (0.8%)
		Total valid response	618 (100.0%)
		Total missing	237
		Total valid numeric response (n)	417 (79.1%)
		Mean	2.4
		SD	2.3
		Median	1.0
		Min	0
		Max	12
		Dont know/not sure	75 (14.2%)

Appendix VI: Phase II: Quantitative Global Results

Type of Treatment	Question	Response/time	Ophthalmologist
		Not applicable	35 (6.6%)
		Total valid response	527 (100.0%)
		Total missing	328
	What is the average amount of time your patients wait for a first treatment?(weeks)	Total valid numeric response (n)	422 (81.0%)
		Mean	2.4
		SD	2.9
		Median	1.0
		Min	0
		Max	36
		Dont know/not sure	64 (12.3%)
		Not applicable	35 (6.7%)
		Total valid response	521 (100.0%)
		Total missing	334
	What is the average amount of time your patients wait for a second treatment?(weeks)	Total valid numeric response (n)	398 (79.0%)
		Mean	3.5
		SD	3.9
		Median	4.0
		Min	0
		Max	52
		Dont know/not sure	65 (12.9%)
		Not applicable	41 (8.1%)
		Total valid response	504 (100.0%)
		Total missing	351
Intravitreal steroid	Is the treatment available?	Available within country	244 (40.1%)
		Available locally	217 (35.7%)
		Available in practice	450 (74.0%)

Type of Treatment	Question	Response/time	Ophthalmologist
		Not available	16 (2.6%)
		Total valid response	608 (100.0%)
		Total missing	247
	What is the average amount of time your patients wait for a consultation appointment? (weeks)	Total valid numeric response (n)	379 (74.5%)
		Mean	2.3
		SD	2.4
		Median	1.0
		Min	0
		Max	24
		Dont know/not sure	78 (15.3%)
		Not applicable	52 (10.2%)
		Total valid response	509 (100.0%)
		Total missing	346
	What is the average amount of time your patients wait for a first treatment?(weeks)	Total valid numeric response (n)	376 (74.9%)
		Mean	2.1
		SD	2.0
		Median	1.0
		Min	0
		Max	15
		Dont know/not sure	80 (15.9%)
		Not applicable	46 (9.2%)
		Total valid response	502 (100.0%)
		Total missing	353
	What is the average amount of time your patients wait for a second treatment?(weeks)	Total valid numeric response (n)	334 (68.4%)
		Mean	5.6
		SD	5.8

Appendix VI: Phase II: Quantitative Global Results

Type of Treatment	Question	Response/time	Ophthalmologist
		Median	4.0
		Min	0
		Max	24
		Dont know/not sure	90 (18.4%)
		Not applicable	64 (13.1%)
		Total valid response	488 (100.0%)
		Total missing	367
Uncomplicated vitrectomy	Is the treatment available?	Available within country	264 (43.1%)
		Available locally	248 (40.5%)
		Available in practice	389 (63.6%)
		Not available	11 (1.8%)
		Total valid response	612 (100.0%)
		Total missing	243
	What is the average amount of time your patients wait for a consultation appointment? (weeks)	Total valid numeric response (n)	374 (72.2%)
		Mean	4.2
		SD	5.6
		Median	3.0
		Min	0
		Max	60
		Dont know/not sure	102 (19.7%)
		Not applicable	42 (8.1%)
		Total valid response	518 (100.0%)
		Total missing	337
	What is the average amount of time your patients wait for a first treatment?(weeks)	Total valid numeric response (n)	372 (72.7%)
		Mean	4.1
		SD	5.5

Type of Treatment	Question	Response/time	Ophthalmologist
		Median	3.0
		Min	0
		Max	52
		Dont know/not sure	101 (19.7%)
		Not applicable	39 (7.6%)
		Total valid response	512 (100.0%)
		Total missing	343
	What is the average amount of time your patients wait for a second treatment?(weeks)	Total valid numeric response (n)	267 (53.0%)
		Mean	4.6
		SD	5.8
		Median	3.0
		Min	0
		Max	50
		Dont know/not sure	133 (26.4%)
		Not applicable	104 (20.6%)
		Total valid response	504 (100.0%)
		Total missing	351
Complex vitreo-retinal surgery	Is the treatment available?	Available within country	272 (44.4%)
		Available locally	238 (38.9%)
		Available in practice	373 (60.9%)
		Not available	16 (2.6%)
		Total valid response	612 (100.0%)
		Total missing	243
	What is the average amount of time your patients wait for a consultation appointment? (weeks)	Total valid numeric response (n)	364 (71.1%)
		Mean	4.1
		SD	6.1

Appendix VI: Phase II: Quantitative Global Results

Type of Treatment	Question	Response/time	Ophthalmologist
		Median	2.0
		Min	0
		Max	60
		Dont know/not sure	108 (21.1%)
		Not applicable	40 (7.8%)
		Total valid response	512 (100.0%)
		Total missing	343
	What is the average amount of time your patients wait for a first treatment?(weeks)	Total valid numeric response (n)	362 (71.1%)
		Mean	4.0
		SD	5.7
		Median	2.0
		Min	0
		Max	52
		Dont know/not sure	108 (21.2%)
		Not applicable	39 (7.7%)
		Total valid response	509 (100.0%)
		Total missing	346
	What is the average amount of time your patients wait for a second treatment?(weeks)	Total valid numeric response (n)	262 (52.6%)
		Mean	4.8
		SD	7.2
		Median	3.0
		Min	0
		Max	52
		Dont know/not sure	137 (27.5%)
		Not applicable	99 (19.9%)
		Total valid response	498 (100.0%)
		Total missing	357

Question	Response	Ophthalmologist
Do you personally administer treatment for diabetic retinopathy?	Yes	507 (83.5%)
	No	100 (16.5%)
	Total valid response	607 (100.0%)
	Total missing	248
Who administer it?	Another provider in your practice	46 (50.5%)
	Refer to a provider at another facility	36 (39.6%)
	Other	9 (9.9%)
	Total valid response	91 (100.0%)
	Total missing	764

PT 4.7

Question	Response	Ophthalmologist
Do any of the following influence how you treat diabetic retinopathy or diabetic macular edema?	Diabetes duration	284 (59.2%)
	Patient's age	210 (43.8%)
	Patient's gender	29 (6.0%)
	Presence of comorbidities such as hypertension, etc.	297 (61.9%)
	High glucose levels	302 (62.9%)
	Ability or inability to pay	104 (21.7%)
	Insurance restrictions	87 (18.1%)
	Patient educational level	128 (26.7%)
	Patient adherence to recommendations	235 (49.0%)
	None of the above	58 (12.1%)
	Not applicable	8 (1.7%)
	Total valid response	480 (100.0%)
	Total missing	375

Appendix VI: Phase II: Quantitative Global Results

PT 4.8

Question	Response	Ophthalmologist
Do you treat diabetic retinopathy and diabetic macular edema based on:	Visual outcome	36 (6.2%)
	Anatomical outcomes	27 (4.6%)
	Both	506 (86.9%)
	Other	13 (2.2%)
	Total Valid Response	582 (100.0%)
	Total missing	273

PT 4.9

Question	Response	Ophthalmologist
How are your patients with diabetes screened for diabetic eye disease?	Fundoscopy undilated	76 (13.0%)
	Fundoscopy dilated	516 (88.4%)
	Retinal photo	318 (54.5%)
	Optical Coherence Tomography	387 (66.3%)
	Fluorescein Angiography	287 (49.1%)
	Other	13 (2.2%)
	Total valid response	584 (100.0%)
	Total missing	271

PT 4.10

Question	Response	Ophthalmologist
In your opinion, do the majority of your patients present:	In time for screening	169 (29.0%)
	When visual problems have already occurred	378 (64.8%)
	Too late for effective treatment	36 (6.2%)
	Total Valid Response	583 (100.0%)
	Total missing	272

PT 4.11

Question	Response	Ophthalmologist
Have you received training specifically on treatment and diagnosis of diabetic retinopathy and/or clinically significant diabetic macular edema?	Yes	471 (79.4%)
	No	122 (20.6%)
	Total valid response	593 (100.0%)
	Total missing	262
If yes, When was your last training?	Within the past year	256 (55.4%)
	Greater than 1 year ago but less than 5 years	112 (24.2%)
	Five or more years ago	84 (18.2%)
	Don't know/Not sure	10 (2.2%)
	Total valid response	462 (100.0%)
	Total missing	393

PT 4.12

Question	Response	Ophthalmologist
Would you be interested in online education and certification on DME, Angiogenesis and Anti-VEGF therapies?	Yes	455 (77.1%)
	No	135 (22.9%)
	Total Valid Response	590 (100.0%)
	Total missing	265

Appendix VI: Phase II: Quantitative Global Results

PT 4.13

Question	Response	Ophthalmologist
How is outreach for screening for diabetic eye disease done in your main practice?	Health fairs for all	78 (13.8%)
	Health fairs for people with diabetes	93 (16.4%)
	Mobile screening centers	86 (15.2%)
	At vision centers	202 (35.7%)
	Other	81 (14.3%)
	Not done	121 (21.4%)
	Don't know/Not sure	66 (11.7%)
	Total valid response	566 (100.0%)
	Total missing	289

PT 4.14

Question	Response	Ophthalmologist
What do you perceive to be the greatest challenges for improving patient outcomes in diabetic eye disease?	Reimbursement/restrictions on approved therapy	201 (35.7%)
	Late diagnosis	373 (66.3%)
	Referral pathways	235 (41.7%)
	Limited access to patient education on diabetic retinopathy and diabetic macular edema	310 (55.1%)
	No universal guidelines on referral/screening	115 (20.4%)
	No universal guidelines on how to treat	78 (13.9%)
	No universal guideline on when to treat	68 (12.1%)
	Current available therapies not effective	39 (6.9%)
	Government/insurance not able to cover patient costs	176 (31.3%)
	Multi-disciplinary team integration is poor	220 (39.1%)
	Ineffective screening services	157 (27.9%)
	Other	38 (6.7%)
	Total valid response	563 (100.0%)
	Total missing	292

EXP 1

Question	Response	Without DED (%)	With DED (%)	With DME (%)
Which of the following complications of diabetes do you have?	Amputation	63 (2.4%)	38 (4.7%)	30 (9.5%)
	Cardiovascular disease/Stroke	275 (10.3%)	167 (20.6%)	55 (17.4%)
	Don't know/Not sure	216 (8.1%)	25 (3.1%)	14 (4.4%)
	Foot ulcers	102 (3.8%)	57 (7.0%)	27 (8.5%)
	Increased risk of broken bones or fractures	45 (1.7%)	38 (4.7%)	22 (7.0%)
	Irritable bowel disease	160 (6.0%)	71 (8.8%)	36 (11.4%)
	Kidney disease	207 (7.7%)	163 (20.1%)	64 (20.3%)
	Loss of feeling in hands or toes (neuropathy)	402 (15.0%)	281 (34.6%)	111 (35.1%)
	None	1446 (54.0%)	131 (16.2%)	26 (8.2%)
	Other	85 (3.2%)	72 (8.9%)	16 (5.1%)
	Vision loss	378 (14.1%)	401 (49.4%)	191 (60.4%)
	Total Valid Response	2676 (100.0%)	811 (100.0%)	316 (100.0%)
	Total missing	485	36	16

NB [1]: Without DED = respondents who did not select "Yes" for both DED and DME.

NB [2]: DED = respondents with DED = "Yes" minus respondents with DME = "Yes".

NB [3]: DME = respondents with DME = "Yes".

NB [4]: Percentages within groups are calculated from non-missing data for that question.

EXP 2.1: Without DED

Question	Response	Number of Respondents (%)
Are you limited in any way in any activities because of any impairment or health problem?	Yes	883 (34.2%)
	No	1497 (58.0%)
	Don't	173 (6.7%)

Appendix VI: Phase II: Quantitative Global Results

Question	Response	Number of Respondents (%)
	know/Not sure	
	Refused	29 (1.1%)
	Total valid response	2582 (100.0%)
	Total missing	579
Which impairment or health problem, if any, limits your activities?		
Arthritis/rheumatism	Yes	280 (38.1%)
	No	420 (57.2%)
	Don't know/Not sure	27 (3.7%)
	Refused	7 (1.0%)
	Total valid response	734 (100.0%)
	Total missing	2427
Back or neck problem	Yes	467 (59.3%)
	No	295 (37.4%)
	Don't know/Not sure	21 (2.7%)
	Refused	5 (0.6%)
	Total valid response	788 (100.0%)
	Total missing	2373
Fractures, bone/joint injury	Yes	166 (24.0%)
	No	503 (72.8%)
	Don't know/Not sure	16 (2.3%)
	Refused	6 (0.9%)
	Total valid response	691 (100.0%)
	Total missing	2470
Walking problem	Yes	368 (48.8%)
	No	363 (48.1%)
	Don't know/Not sure	20 (2.7%)
	Refused	3 (0.4%)

Question	Response	Number of Respondents (%)
	Total valid response	754 (100.0%)
	Total missing	2407
Lung/breathing problem	Yes	176 (24.9%)
	No	506 (71.6%)
	Don't know/Not sure	21 (3.0%)
	Refused	4 (0.6%)
	Total valid response	707 (100.0%)
	Total missing	2454
Hearing problem	Yes	144 (20.9%)
	No	527 (76.4%)
	Don't know/Not sure	16 (2.3%)
	Refused	3 (0.4%)
	Total valid response	690 (100.0%)
	Total missing	2471
Eye/vision problem	Yes	300 (40.4%)
	No	411 (55.3%)
	Don't know/Not sure	30 (4.0%)
	Refused	2 (0.3%)
	Total valid response	743 (100.0%)
	Total missing	2418
Heart problem	Yes	176 (25.1%)
	No	481 (68.5%)
	Don't know/Not sure	40 (5.7%)
	Refused	5 (0.7%)
	Total valid response	702 (100.0%)
	Total missing	2459
Stroke problem	Yes	53 (7.9%)

Appendix VI: Phase II: Quantitative Global Results

Question	Response	Number of Respondents (%)
	No	590 (87.9%)
	Don't know/Not sure	21 (3.1%)
	Refused	7 (1.0%)
	Total valid response	671 (100.0%)
	Total missing	2490
Hypertension/high blood pressure	Yes	369 (48.9%)
	No	358 (47.5%)
	Don't know/Not sure	22 (2.9%)
	Refused	5 (0.7%)
	Total valid response	754 (100.0%)
	Total missing	2407
Diabetes	Yes	763 (82.5%)
	No	136 (14.7%)
	Don't know/Not sure	23 (2.5%)
	Refused	3 (0.3%)
	Total valid response	925 (100.0%)
	Total missing	2236
Cancer	Yes	42 (6.2%)
	No	598 (88.7%)
	Don't know/Not sure	28 (4.2%)
	Refused	6 (0.9%)
	Total valid response	674 (100.0%)
	Total missing	2487
Mental or emotional health	Yes	298 (39.0%)
	No	380 (49.7%)
	Don't know/Not sure	73 (9.5%)
	Refused	14 (1.8%)

Question	Response	Number of Respondents (%)
	Total valid response	765 (100.0%)
	Total missing	2396

NB [1]: Without DED = respondents who did not select "Yes" for both DED and DME.

NB [2]: Percentages within groups are calculated from non-missing data for that question.

EXP 2.2: DED

Question	Response	Number of Respondents (%)
Are you limited in any way in any activities because of any impairment or health problem?	Yes	440 (54.1%)
	No	313 (38.5%)
	Don't know/Not sure	46 (5.7%)
	Refused	14 (1.7%)
	Total valid response	813 (100.0%)
	Total missing	34
Which impairment or health problem, if any, limits your activities?		
Arthritis/rheumatism	Yes	153 (42.7%)
	No	195 (54.5%)
	Don't know/Not sure	10 (2.8%)
	Total valid response	358 (100.0%)
	Total missing	489
Back or neck problem	Yes	195 (52.4%)
	No	167 (44.9%)
	Don't know/Not sure	8 (2.2%)
	Refused	2 (0.5%)
	Total valid response	372 (100.0%)
	Total missing	475
Fractures, bone/joint injury	Yes	110 (31.4%)
	No	237 (67.7%)

Appendix VI: Phase II: Quantitative Global Results

Question	Response	Number of Respondents (%)
	Don't know/Not sure	3 (0.9%)
	Total valid response	350 (100.0%)
	Total missing	497
Walking problem	Yes	225 (59.4%)
	No	147 (38.8%)
	Don't know/Not sure	5 (1.3%)
	Refused	2 (0.5%)
	Total valid response	379 (100.0%)
	Total missing	468
Lung/breathing problem	Yes	84 (23.9%)
	No	262 (74.6%)
	Don't know/Not sure	4 (1.1%)
	Refused	1 (0.3%)
	Total valid response	351 (100.0%)
	Total missing	496
Hearing problem	Yes	83 (23.8%)
	No	263 (75.4%)
	Don't know/Not sure	3 (0.9%)
	Total valid response	349 (100.0%)
	Total missing	498
Eye/vision problem	Yes	289 (71.9%)
	No	108 (26.9%)
	Don't know/Not sure	4 (1.0%)
	Refused	1 (0.2%)
	Total valid response	402 (100.0%)
	Total missing	445

Question	Response	Number of Respondents (%)
Heart problem	Yes	123 (33.4%)
	No	234 (63.6%)
	Don't know/Not sure	9 (2.4%)
	Refused	2 (0.5%)
	Total valid response	368 (100.0%)
	Total missing	479
Stroke problem	Yes	38 (11.1%)
	No	299 (87.2%)
	Don't know/Not sure	5 (1.5%)
	Refused	1 (0.3%)
	Total valid response	343 (100.0%)
	Total missing	504
Hypertension/high blood pressure	Yes	202 (53.7%)
	No	171 (45.5%)
	Don't know/Not sure	3 (0.8%)
	Total valid response	376 (100.0%)
	Total missing	471
Diabetes	Yes	372 (84.9%)
	No	57 (13.0%)
	Don't know/Not sure	7 (1.6%)
	Refused	2 (0.5%)
	Total valid response	438 (100.0%)
	Total missing	409
Cancer	Yes	17 (5.0%)
	No	315 (92.6%)
	Don't know/Not sure	7 (2.1%)
	Refused	1 (0.3%)

Appendix VI: Phase II: Quantitative Global Results

Question	Response	Number of Respondents (%)
	Total valid response	340 (100.0%)
	Total missing	507
Mental or emotional health	Yes	136 (37.5%)
	No	186 (51.2%)
	Don't know/Not sure	33 (9.1%)
	Refused	8 (2.2%)
	Total valid response	363 (100.0%)
	Total missing	484

NB [1]: DED = respondents with DED = "Yes" minus respondents with DME = "Yes".

NB [2]: Percentages within groups are calculated from non-missing data for that question.

EXP 2.3: DME

Question	Response	Number of Respondents (%)
Are you limited in any way in any activities because of any impairment or health problem?	Yes	199 (62.0%)
	No	111 (34.6%)
	Don't know/Not sure	9 (2.8%)
	Refused	2 (0.6%)
	Total valid response	321 (100.0%)
	Total missing	11
Which impairment or health problem, if any, limits your activities?		
Arthritis/rheumatism	Yes	64 (41.8%)
	No	84 (54.9%)
	Don't know/Not sure	5 (3.3%)
	Total valid response	153 (100.0%)
	Total missing	179
Back or neck problem	Yes	92 (57.1%)
	No	62 (38.5%)

Question	Response	Number of Respondents (%)
	Don't know/Not sure	5 (3.1%)
	Refused	2 (1.2%)
	Total valid response	161 (100.0%)
	Total missing	171
Fractures, bone/joint injury	Yes	45 (29.2%)
	No	104 (67.5%)
	Don't know/Not sure	3 (1.9%)
	Refused	2 (1.3%)
	Total valid response	154 (100.0%)
	Total missing	178
Walking problem	Yes	87 (53.7%)
	No	70 (43.2%)
	Don't know/Not sure	3 (1.9%)
	Refused	2 (1.2%)
	Total valid response	162 (100.0%)
	Total missing	170
Lung/breathing problem	Yes	43 (27.9%)
	No	107 (69.5%)
	Don't know/Not sure	4 (2.6%)
	Total valid response	154 (100.0%)
	Total missing	178
Hearing problem	Yes	52 (34.0%)
	No	97 (63.4%)
	Don't know/Not sure	4 (2.6%)
	Total valid response	153 (100.0%)
	Total missing	179

Appendix VI: Phase II: Quantitative Global Results

Question	Response	Number of Respondents (%)
Eye/vision problem	Yes	145 (80.6%)
	No	31 (17.2%)
	Don't know/Not sure	4 (2.2%)
	Total valid response	180 (100.0%)
	Total missing	152
Heart problem	Yes	53 (34.6%)
	No	90 (58.8%)
	Don't know/Not sure	9 (5.9%)
	Refused	1 (0.7%)
	Total valid response	153 (100.0%)
	Total missing	179
Stroke problem	Yes	21 (14.2%)
	No	123 (83.1%)
	Don't know/Not sure	3 (2.0%)
	Refused	1 (0.7%)
	Total valid response	148 (100.0%)
	Total missing	184
Hypertension/high blood pressure	Yes	99 (62.3%)
	No	52 (32.7%)
	Don't know/Not sure	7 (4.4%)
	Refused	1 (0.6%)
	Total valid response	159 (100.0%)
	Total missing	173
Diabetes	Yes	158 (87.8%)
	No	20 (11.1%)
	Don't know/Not sure	2 (1.1%)
	Total valid	180 (100.0%)

Question	Response	Number of Respondents (%)
	response	
	Total missing	152
Cancer	Yes	13 (8.7%)
	No	134 (89.3%)
	Don't know/Not sure	2 (1.3%)
	Refused	1 (0.7%)
	Total valid response	150 (100.0%)
	Total missing	182
Mental or emotional health	Yes	56 (35.4%)
	No	81 (51.3%)
	Don't know/Not sure	19 (12.0%)
	Refused	2 (1.3%)
	Total valid response	158 (100.0%)
	Total missing	174

NB [1]: DME = respondents with DME = "Yes".

NB [2]: Percentages within groups are calculated from non-missing data for that question.

EXP 3

Health Status	Without DED (%)	With DED (%)	With DME (%)
Self-rated health: Good	1358 (54.0%)	341 (43.2%)	121 (38.9%)
Self-rated health: Poor	1157 (46.0%)	448 (56.8%)	190 (61.1%)
Physically unhealthy days	933 (46.0%)	338 (54.5%)	149 (58.4%)
Mentally unhealthy days	847 (41.2%)	264 (43.9%)	117 (45.9%)
Unhealthy days	1232 (61.1%)	406 (66.9%)	172 (68.8%)
Activity limitation days	620 (44.3%)	232 (51.1%)	103 (54.8%)

NB [1]: Without DED = respondents who did not select "Yes" for both DED and DME.

NB [2]: DED = respondents with DED = "Yes" minus respondents with DME = "Yes".

NB [3]: DME = respondents with DME = "Yes".

Appendix VI: Phase II: Quantitative Global Results

EXP 4

Item	Response	All respondents	Respondents with Type I diabetes	Respondents with Type II diabetes
How do you manage your diabetes?	Diet	2615 (63.0%)	845 (54.6%)	1573 (70.9%)
	Oral medicine	2148 (51.8%)	241 (15.6%)	1671 (75.3%)
	Exercise	1767 (42.6%)	648 (41.8%)	1021 (46.0%)
	Insulin	2395 (57.7%)	1382 (89.2%)	873 (39.3%)
	Natural/Herbal medicine	306 (7.4%)	78 (5.0%)	184 (8.3%)
	Other	2 (0.0%)		2 (0.1%)
	None of the above	33 (0.8%)	5 (0.3%)	16 (0.7%)

NB [1]: Percentages within groups are calculated from non-missing data for that question.

EXP 5.1

Question	Response	Without DED (%)	With DED (%)	With DME (%)
Are you currently working?	Working for pay	1262 (48.4%)	333 (40.8%)	126 (39.3%)
	Working without pay at home (e.g. housework, farming)	151 (5.8%)	50 (6.1%)	26 (8.1%)
	Volunteering	49 (1.9%)	21 (2.6%)	12 (3.7%)
	Retired	694 (26.6%)	252 (30.8%)	115 (35.8%)
	Student	120 (4.6%)	16 (2.0%)	4 (1.2%)
	Not working	334 (12.8%)	145 (17.7%)	38 (11.8%)
	Total Valid Response	2610 (100.0%)	817 (100.0%)	321 (100.0%)
	Total missing	551	30	11
Do you receive assistance from the government?	Income assistance	195 (7.7%)	96 (12.2%)	59 (19.4%)
	Medical assistance	467 (18.3%)	185 (23.5%)	72 (23.7%)
	Food assistance	29 (1.1%)	21 (2.7%)	24 (7.9%)
	Housing assistance	69 (2.7%)	30 (3.8%)	17 (5.6%)
	Pension assistance	307 (12.0%)	153 (19.5%)	53 (17.4%)

Question	Response	Without DED (%)	With DED (%)	With DME (%)
	None of the above	1708 (67.0%)	439 (55.9%)	152 (50.0%)
	Total valid response	2549 (100.0%)	786 (100.0%)	304 (100.0%)
	Total missing	612	61	28
Did you have trouble paying for food at anytime during the past year?	Yes	512 (19.7%)	185 (23.0%)	83 (25.9%)
	No	2083 (80.3%)	619 (77.0%)	237 (74.1%)
	Total Valid Response	2595 (100.0%)	804 (100.0%)	320 (100.0%)
	Total missing	566	43	12

NB [1]: Without DED = respondents who did not select "Yes" for both DED and DME.

NB [2]: DED = respondents with DED = "Yes" minus respondents with DME = "Yes".

NB [3]: DME = respondents with DME = "Yes".

NB [4]: Percentages within groups are calculated from non-missing data for that question.

EXP 5.2: Age group 18-39 years

Question	Response	Without DED (%)	With DED (%)	With DME (%)
Are you currently working?	Working for pay	449 (65.6%)	147 (73.9%)	54 (70.1%)
	Working without pay at home (e.g. housework, farming)	35 (5.1%)	6 (3.0%)	6 (7.8%)
	Volunteering	5 (0.7%)	3 (1.5%)	2 (2.6%)
	Retired	4 (0.6%)	7 (3.5%)	4 (5.2%)
	Student	116 (17.0%)	14 (7.0%)	4 (5.2%)
	Not working	75 (11.0%)	22 (11.1%)	7 (9.1%)
	Total Valid Response	684 (100.0%)	199 (100.0%)	77 (100.0%)
	Total missing	177	6	1
Do you receive assistance from the government?	Income assistance	45 (6.8%)	20 (10.5%)	16 (21.6%)
	Medical assistance	121 (18.4%)	36 (18.8%)	19 (25.7%)

Appendix VI: Phase II: Quantitative Global Results

Question	Response	Without DED (%)	With DED (%)	With DME (%)
	Food assistance	10 (1.5%)	6 (3.1%)	8 (10.8%)
	Housing assistance	19 (2.9%)	10 (5.2%)	6 (8.1%)
	Pension assistance	21 (3.2%)	12 (6.3%)	3 (4.1%)
	None of the above	488 (74.1%)	126 (66.0%)	39 (52.7%)
	Total valid response	659 (100.0%)	191 (100.0%)	74 (100.0%)
	Total missing	202	14	4
Did you have trouble paying for food at anytime during the past year?	Yes	191 (28.1%)	60 (30.2%)	33 (43.4%)
	No	488 (71.9%)	139 (69.8%)	43 (56.6%)
	Total Valid Response	679 (100.0%)	199 (100.0%)	76 (100.0%)
	Total missing	182	6	2

NB [1]: Without DED = respondents who did not select "Yes" for both DED and DME.

NB [2]: DED = respondents with DED = "Yes" minus respondents with DME = "Yes".

NB [3]: DME = respondents with DME = "Yes".

NB [4]: Percentages within groups are calculated from non-missing data for that question.

EXP 5.3: Age group 40-59 years

Question	Response	Without DED (%)	With DED (%)	With DME (%)
Are you currently working?	Working for pay	661 (64.4%)	161 (52.4%)	62 (60.8%)
	Working without pay at home (e.g. housework, farming)	84 (8.2%)	25 (8.1%)	8 (7.8%)
	Volunteering	13 (1.3%)	8 (2.6%)	5 (4.9%)
	Retired	131 (12.8%)	47 (15.3%)	13 (12.7%)
	Student	4 (0.4%)	2 (0.7%)	0 (0.0%)
	Not working	134 (13.0%)	64 (20.8%)	14 (13.7%)
	Total Valid Response	1027 (100.0%)	307 (100.0%)	102 (100.0%)
	Total missing	215	10	6

Question	Response	Without DED (%)	With DED (%)	With DME (%)
Do you receive assistance from the government?	Income assistance	74 (7.4%)	37 (12.6%)	20 (21.3%)
	Medical assistance	195 (19.4%)	64 (21.8%)	22 (23.4%)
	Food assistance	9 (0.9%)	5 (1.7%)	10 (10.6%)
	Housing assistance	18 (1.8%)	6 (2.0%)	5 (5.3%)
	Pension assistance	55 (5.5%)	40 (13.6%)	11 (11.7%)
	None of the above	719 (71.5%)	175 (59.5%)	48 (51.1%)
	Total valid response	1005 (100.0%)	294 (100.0%)	94 (100.0%)
	Total missing	237	23	14
Did you have trouble paying for food at anytime during the past year?	Yes	208 (20.4%)	66 (22.1%)	27 (27.0%)
	No	814 (79.6%)	233 (77.9%)	73 (73.0%)
	Total Valid Response	1022 (100.0%)	299 (100.0%)	100 (100.0%)
	Total missing	220	18	8

NB [1]: Without DED = respondents who did not select "Yes" for both DED and DME.

NB [2]: DED = respondents with DED = "Yes" minus respondents with DME = "Yes".

NB [3]: DME = respondents with DME = "Yes".

NB [4]: Percentages within groups are calculated from non-missing data for that question.

EXP 5.4: Age group 60-79 years

Question	Response	Without DED (%)	With DED (%)	With DME (%)
Are you currently working?	Working for pay	151 (17.9%)	25 (8.7%)	10 (7.9%)
	Working without pay at home (e.g. housework, farming)	31 (3.7%)	17 (5.9%)	12 (9.5%)
	Volunteering	27 (3.2%)	7 (2.4%)	3 (2.4%)
	Retired	521 (61.8%)	182 (63.4%)	89 (70.6%)
	Not working	113 (13.4%)	56 (19.5%)	12 (9.5%)

Appendix VI: Phase II: Quantitative Global Results

Question	Response	Without DED (%)	With DED (%)	With DME (%)
	Total Valid Response	843 (100.0%)	287 (100.0%)	126 (100.0%)
	Total missing	142	14	3
Do you receive assistance from the government?	Income assistance	66 (8.0%)	38 (13.6%)	22 (18.5%)
	Medical assistance	142 (17.1%)	80 (28.7%)	30 (25.2%)
	Food assistance	10 (1.2%)	10 (3.6%)	6 (5.0%)
	Housing assistance	30 (3.6%)	13 (4.7%)	5 (4.2%)
	Pension assistance	218 (26.3%)	92 (33.0%)	33 (27.7%)
	None of the above	469 (56.5%)	127 (45.5%)	56 (47.1%)
	Total valid response	830 (100.0%)	279 (100.0%)	119 (100.0%)
	Total missing	155	22	10
Did you have trouble paying for food at anytime during the past year?	Yes	107 (12.7%)	57 (20.1%)	21 (16.5%)
	No	734 (87.3%)	226 (79.9%)	106 (83.5%)
	Total Valid Response	841 (100.0%)	283 (100.0%)	127 (100.0%)
	Total missing	144	18	2

NB [1]: Without DED = respondents who did not select "Yes" for both DED and DME.

NB [2]: DED = respondents with DED = "Yes" minus respondents with DME = "Yes".

NB [3]: DME = respondents with DME = "Yes".

NB [4]: Percentages within groups are calculated from non-missing data for that question.

EXP 5.5: Age group 80+ years

Question	Response	Without DED (%)	With DED (%)	With DME (%)
Are you currently working?	Working for pay	1 (1.8%)	0 (0.0%)	0 (0.0%)
	Working without pay at home (e.g. housework, farming)	1 (1.8%)	2 (8.3%)	0 (0.0%)
	Volunteering	4 (7.1%)	3 (12.5%)	2 (12.5%)
	Retired	38 (67.9%)	16 (66.7%)	9 (56.3%)

Question	Response	Without DED (%)	With DED (%)	With DME (%)
	Not working	12 (21.4%)	3 (12.5%)	5 (31.3%)
	Total Valid Response	56 (100.0%)	24 (100.0%)	16 (100.0%)
	Total missing	17	0	1
Do you receive assistance from the government?	Income assistance	10 (18.2%)	1 (4.5%)	1 (5.9%)
	Medical assistance	9 (16.4%)	5 (22.7%)	1 (5.9%)
	Housing assistance	2 (3.6%)	1 (4.5%)	1 (5.9%)
	Pension assistance	13 (23.6%)	9 (40.9%)	6 (35.3%)
	None of the above	32 (58.2%)	11 (50.0%)	9 (52.9%)
	Total valid response	55 (100.0%)	22 (100.0%)	17 (100.0%)
	Total missing	18	2	0
Did you have trouble paying for food at anytime during the past year?	Yes	6 (11.3%)	2 (8.7%)	2 (11.8%)
	No	47 (88.7%)	21 (91.3%)	15 (88.2%)
	Total Valid Response	53 (100.0%)	23 (100.0%)	17 (100.0%)
	Total missing	20	1	0

NB [1]: Without DED = respondents who did not select "Yes" for both DED and DME.

NB [2]: DED = respondents with DED = "Yes" minus respondents with DME = "Yes".

NB [3]: DME = respondents with DME = "Yes".

NB [4]: Percentages within groups are calculated from non-missing data for that question.

Appendix VI: Phase II: Quantitative Global Results

EXP 6

Group	Subgroup	All respondents	Type 1 diabetes	Type 2 diabetes	With DED (%)	With DME (%)
	Female	2022 (53.8%)	869 (43.0%)	971 (48.0%)	477 (23.6%)	186 (9.2%)
	Total Missing	581	217	310	23	9
Age	18-39 yrs	1144 (26.4%)	842 (73.6%)	234 (20.5%)	205 (17.9%)	78 (6.8%)
	40-59 yrs	1667 (38.4%)	496 (29.8%)	1020 (61.2%)	317 (19.0%)	108 (6.5%)
	60-79 yrs	1415 (32.6%)	253 (17.9%)	999 (70.6%)	301 (21.3%)	129 (9.1%)
	80 yrs and over	114 (2.6%)	20 (17.5%)	73 (64.0%)	24 (21.1%)	17 (14.9%)
Time since diagnosis	Within the last year	329 (7.7%)	82 (24.9%)	176 (53.5%)	37 (11.2%)	15 (4.6%)
	1 - 5 years ago	963 (22.6%)	220 (22.8%)	623 (64.7%)	84 (8.7%)	53 (5.5%)
	6 - 10 years ago	806 (18.9%)	178 (22.1%)	552 (68.5%)	106 (13.2%)	43 (5.3%)
	11 - 15 years ago	699 (16.4%)	225 (32.2%)	422 (60.4%)	129 (18.5%)	49 (7.0%)
	16 - 20 years ago	513 (12.0%)	216 (42.1%)	263 (51.3%)	121 (23.6%)	43 (8.4%)
	21 years ago or longer	918 (21.5%)	665 (72.4%)	227 (24.7%)	364 (39.7%)	125 (13.6%)
	Don't know/Not sure	39 (0.9%)	7 (17.9%)	17 (43.6%)	4 (10.3%)	3 (7.7%)
	Total Missing	73	18	46	2	1
Control of Diabetes	Controlled	2787 (69.3%)	1038 (37.2%)	1491 (53.5%)	559 (20.1%)	215 (7.7%)
	Not controlled	1140 (28.3%)	435 (38.2%)	607 (53.2%)	272 (23.9%)	108 (9.5%)
	Don't know/Not sure	97 (2.4%)	25 (25.8%)	56 (57.7%)	8 (8.2%)	7 (7.2%)
	Total Missing	316	113	172	8	2

NB [1]: DED = respondents with DED = "Yes" minus respondents with DME = "Yes".

NB [2]: DME = respondents with DME = "Yes".

NB [3]: Percentages within groups are calculated from non-missing data for that question.

EXP 7

Question	Response	With DED (%)	With DME (%)
Have you had any treatment for diabetic eye disease?	Yes	519 (61.6%)	239 (84.8%)
	No	282 (33.5%)	32 (11.3%)
	Don't know/Not sure	41 (4.9%)	11 (3.9%)
	Total valid response	842 (100.0%)	282 (100.0%)
	Total missing	5	50
What treatment did you receive?	Laser	374 (73.5%)	195 (82.3%)
	Injection in the eye (Anti-VEGF)	121 (23.8%)	116 (48.9%)
	Surgery	148 (29.1%)	77 (32.5%)
	Other	73 (14.3%)	16 (6.8%)
	Total valid response	509 (100.0%)	237 (100.0%)
	Total missing	338	95
Did you complete the treatment?	Yes	312 (60.6%)	129 (54.0%)
	No	33 (6.4%)	17 (7.1%)
	Still receiving treatment	154 (29.9%)	89 (37.2%)
	Don't know/Not sure	16 (3.1%)	4 (1.7%)
	Total valid response	515 (100.0%)	239 (100.0%)
	Total missing	332	93
Do you feel that the treatment worked?	Yes, and vision improved	214 (45.1%)	102 (46.2%)
	Yes, but vision stayed the same	156 (32.9%)	77 (34.8%)
	No	40 (8.4%)	14 (6.3%)
	Still waiting to know	38 (8.0%)	20 (9.0%)
	Don't know/Not sure	26 (5.5%)	8 (3.6%)
	Total valid response	474 (100.0%)	221 (100.0%)
	Total missing	373	111

Appendix VI: Phase II: Quantitative Global Results

Question	Response	With DED (%)	With DME (%)
What is/are the reason(s) that you did not complete the treatment?	Did not like the treatment	3 (10.0%)	2 (12.5%)
	Treatment was not effective	5 (16.7%)	6 (37.5%)
	Treatment was too expensive	4 (13.3%)	7 (43.8%)
	Eye doctor was located too far away	5 (16.7%)	3 (18.8%)
	Appointment times were not convenient	3 (10.0%)	5 (31.3%)
	Too much burden on my family/friends	3 (10.0%)	1 (6.3%)
	I was too busy	2 (6.7%)	1 (6.3%)
	I was fearful (scared) of treatment	5 (16.7%)	2 (12.5%)
	Other	18 (60.0%)	2 (12.5%)
	Total valid response	30 (100.0%)	16 (100.0%)
	Total missing	817	316
What are the reason(s) that you have not had treatment for diabetic eye disease?	My doctor did not recommend any treatment	193 (72.3%)	10 (32.3%)
	Treatment would not be effective	11 (4.1%)	4 (12.9%)
	Treatment is not accessible	10 (3.7%)	3 (9.7%)
	Still waiting for treatment	28 (10.5%)	8 (25.8%)
	Treatment is not important to me	1 (0.4%)	1 (3.2%)
	Too expensive	18 (6.7%)	5 (16.1%)
	No insurance	9 (3.4%)	1 (3.2%)
	I'm too busy	5 (1.9%)	1 (3.2%)
	I'm fearful of treatment	7 (2.6%)	1 (3.2%)
	Other	34 (12.7%)	4 (12.9%)
	Total valid response	267 (100.0%)	31 (100.0%)
	Total missing	580	301

NB [1]: DED = respondents with DED = "Yes" minus respondents with DME = "Yes".

NB [2]: DME = respondents with DME = "Yes".

NB [3]: Percentages within groups are calculated from non-missing data for that question.

EXP 8

Question	Response	Without DED (%)	With DED (%)	With DME (%)
Are you currently enrolled in a diabetes patient management support programme?	No	2290 (76.4)	612 (72.3%)	194 (58.4%)
	Yes	708 (23.6)	235 (27.7%)	138 (41.6%)
	Total Valid Response	2998 (100.0)	847 (100.0%)	332 (100.0%)
	Total missing	163	0 (0.0%)	0 (0.0%)
Who sponsors the programme?	Clinic support program	125 (18.4)	47 (20.6%)	21 (15.9%)
	Don't know/Not sure	204 (30.1)	69 (30.3%)	33 (25.0%)
	Hospital support program	208 (30.7)	65 (28.5%)	54 (40.9%)
	Patient organization support program	108 (15.9)	37 (16.2%)	13 (9.8%)
	Pharmaceutical support program	33 (4.9)	10 (4.4%)	11 (8.3%)
	Total Valid Response	678 (100.0)	228 (100.0%)	132 (100.0%)
	Total missing	2483	619	200
Does the programme include education on the importance of screening for diabetic eye complications	No	131 (19.3)	31 (13.4%)	9 (6.7%)
	Yes	548 (80.7)	200 (86.6%)	125 (93.3%)
	Total Valid Response	679 (100.0)	231 (100.0%)	134 (100.0%)
	Total missing	2482	616	198

NB [1]: Without DED = respondents who did not select "Yes" for both DED and DME.

NB [2]: DED = respondents with DED = "Yes" minus respondents with DME = "Yes".

NB [3]: DME = respondents with DME = "Yes".

NB [4]: Percentages within groups are calculated from non-missing data for that question.

Appendix VI: Phase II: Quantitative Global Results

EXP 9

Question	Response	Without DED (%)	With DED (%)	With DME (%)
diabetes is controlled?				
	Well	1454 (50.9)	413 (49.2%)	142 (43.0%)
	Not very well	645 (22.6)	216 (25.7%)	91 (27.6%)
	Not well at all	115 (4.0)	56 (6.7%)	17 (5.2%)
	Don't know/Not sure	82 (2.9)	8 (1.0%)	7 (2.1%)
	Total Valid Response	2855 (100.0)	839 (100.0%)	330 (100.0%)
	Total missing	306	8	2

NB [1]: Without DED = respondents who did not select "Yes" for both DED and DME.

NB [2]: DED = respondents with DED = "Yes" minus respondents with DME = "Yes".

NB [3]: DME = respondents with DME = "Yes".

NB [4]: Percentages within groups are calculated from non-missing data for that question.

EXP 10

Type of diabetes	All respondents	Without DED n (%)	With DED n (%)	With DME n (%)
Type 1	1611	1075 (66.7%)	405 (25.1%)	131 (8.1%)
Type 2	2326	1787 (76.8%)	360 (15.5%)	179 (7.7%)

NB [1]: Without DED = respondents who did not select "Yes" for both DED and DME.

NB [2]: DED = respondents with DED = "Yes" minus respondents with DME = "Yes".

NB [3]: DME = respondents with DME = "Yes".

NB [4]: Percentages within groups are calculated from non-missing data for that question.

EXP 11

Question	Response	All respondents	With DED n (%)	With DME n (%)
Have vision issues caused you to have difficulty with any of the following?	Traveling	240 (28.1%)	162 (27.0%)	78 (30.7%)
	Household responsibilities, such as cooking or cleaning	210 (24.6%)	135 (22.5%)	75 (29.5%)
	Social interactions with family/friends	166 (19.4%)	112 (18.7%)	54 (21.3%)
	Leisure	233 (27.3%)	159 (26.5%)	74 (29.1%)

Question	Response	All respondents	With DED n (%)	With DME n (%)
	activities/exercise			
	Work or keeping a job	234 (27.4%)	160 (26.7%)	74 (29.1%)
	Managing my diabetes	171 (20.0%)	120 (20.0%)	51 (20.1%)
	Other	92 (10.8%)	62 (10.3%)	30 (11.8%)
	None	162 (19.0%)	124 (20.7%)	38 (15.0%)
	Driving (a car/vehicle)	337 (39.5%)	218 (36.3%)	119 (46.9%)
	Total valid response	854 (100.0%)	600 (100.0%)	254 (100.0%)
	Total missing	3486	247	78

NB [1]: Without DED = respondents who did not select "Yes" for both DED and DME.

NB [2]: DED = respondents with DED = "Yes" minus respondents with DME = "Yes".

NB [3]: DME = respondents with DME = "Yes".

NB [4]: Percentages within groups are calculated from non-missing data for that question.



DRBarometer.com