



# Evaluation

*of the Diabetic  
Retinopathy Remote  
Screening Pilot Project  
among Quebec  
First Nations*



## APPENDICES



FIRST NATIONS OF  
QUEBEC AND LABRADOR  
HEALTH AND SOCIAL  
SERVICES COMMISSION

**Drafting team**

Jacinthe Briand-Racine, FNQLHSSC

Benoît Éthier, FNQLHSSC

Émilie Grantham, FNQLHSSC

Josiane Perreault, FNQLHSSC

**Research team**

Jacinthe Briand-Racine, FNQLHSSC

Benoît Éthier, FNQLHSSC

Émilie Grantham, FNQLHSSC

Nancy Gros-Louis McHugh, FNQLHSSC

Josiane Perreault, FNQLHSSC

Marie-Claude Raymond, FNQLHSSC

**Evaluation working group**

Serge Desrosiers, FNIHB-QC

Jean-Paul Fortin, *Université Laval and Direction de la santé publique de l'Abitibi-Témiscamingue*

Catherine Power, FNQLHSSC

Jennifer Presseault, Eagle Village Health Centre

Sophie Picard, FNQLHSSC

Louise Tanguay, FNQLHSSC

Jacques Thibault, *Ministère de la Santé et des Services Sociaux*

**Other collaborators**

Louise Boyer, FNIHB-QC

Michelle Deschamps, FNIHB-QC

Sandro Échaquan, Manawan Health Centre

**Graphic design and page layout**

Chantal Cleary and Anne P. Savard, FNQLHSSC

The unabridged version of this document is available on the FNQLHSSC's website located at: [www.cssspnql.com](http://www.cssspnql.com).

The appendices in this document are related to the evaluation report available under the title *Evaluation of the Diabetic Retinopathy Remote Screening Pilot Project among Quebec First Nations - Report*.

© Intellectual property of the FNQLHSSC

© FNQLHSSC - 2013

Legal deposit – 1<sup>st</sup> trimester of 2013

Bibliothèque nationale du Québec

Library and Archives Canada

ISBN: 978-1-926553-56-6

---

## TABLE OF CONTENTS

---

Annex I - Process of screening, reading, reports and data storage .....	2
Annex II - Calendar of meetings of the evaluation working group .....	4
Annex III - Data collection tools .....	6
Annex IV - Map of Témiscamingue .....	34
Annex V - Detailed tables of the calculations of the chapter 8 – economic analysis.....	36

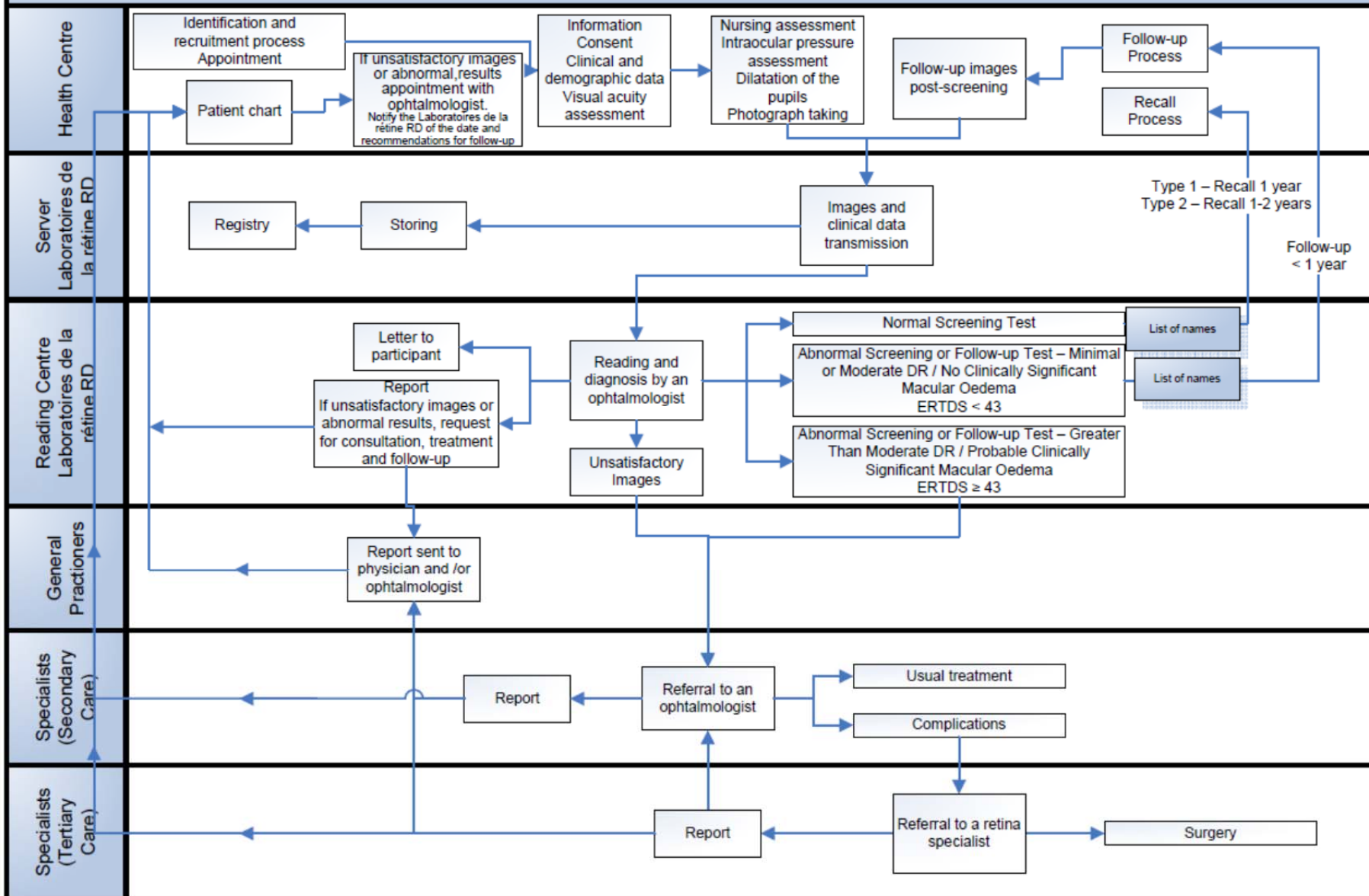


**PROCESS OF SCREENING, READING, REPORTS AND DATA STORAGE**



# HEALTH PLAN DIABETES PROGRAM

## Clinical and Administrative Process



---

## ANNEX II

---

### CALENDAR OF MEETINGS OF THE EVALUATION WORKING GROUP



### Dates and topics discussed during the meetings of the evaluation working group

Date of the meeting	Topics
January 21, 2010	<ul style="list-style-type: none"> <li>• Presentation of the pilot project</li> <li>• Presentation of the AFNQL research protocol</li> <li>• Terms of reference of the evaluation working group</li> </ul>
January 28, 2010	<ul style="list-style-type: none"> <li>• Terms of reference of the evaluation working group</li> <li>• Evaluation objectives</li> </ul>
September 23, 2010	<ul style="list-style-type: none"> <li>• Literature review</li> <li>• Evaluation plan</li> <li>• Data collection tools</li> <li>• Portraits of the communities</li> </ul>
February 25, 2011	<ul style="list-style-type: none"> <li>• Preliminary results (time 1 of the data collection)</li> <li>• Data collection tools – users satisfaction</li> </ul>
March 24, 2011	<ul style="list-style-type: none"> <li>• Preliminary results (users satisfaction)</li> <li>• Time 2 of the data collection</li> <li>• Economic analysis</li> </ul>
February 1, 2012	<ul style="list-style-type: none"> <li>• Preliminary results</li> <li>• Economic analysis</li> <li>• Structure of the final report</li> </ul>
May 30, 2012	<ul style="list-style-type: none"> <li>• Revision of the final report</li> </ul>
July 19, 2012	<ul style="list-style-type: none"> <li>• Revision of the final report</li> </ul>



**DATA COLLECTION TOOLS**

- ❖ *Screening form*
- ❖ *Questionnaire addressed to interveners of the communities related to trainings offered*
- ❖ *Questionnaires addressed to nurses, technicians and health directors related to the implementation of the service*
- ❖ *Questionnaires about users satisfaction*
- ❖ *Consent forms*



### Screening form

Date _____	Patient # _____
Patient arrival time : _____	Patient departure time : _____
Year of birth : _____	First screening <input type="checkbox"/> or follow-up <input type="checkbox"/>
Sex : <input type="checkbox"/> Male <input type="checkbox"/> Female	If follow-up, date of the last screening ____ / ____
Type of diabetes : <input type="checkbox"/> Type 1 <input type="checkbox"/> Type 2	Month / Year
<input type="checkbox"/> Gestational diabetes	

Difficulties encountered during the dilation of the pupils?  Yes  No  
If so, explain : \_\_\_\_\_  
\_\_\_\_\_

Difficulties encountered during the taking of photographs?  Yes  No  
If so, explain : \_\_\_\_\_  
\_\_\_\_\_

Difficulties encountered during the transmission of images?  Yes  No  
If so, explain : \_\_\_\_\_  
\_\_\_\_\_

Other comments : \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



**Questionnaire - Satisfaction regarding the training received on (DATE OF TRAINING)**

---

**A. Identification of respondent**

1- Name of your community: \_\_\_\_\_

2- What position do you hold in the community? (Check off all applicable choices)

- |  |   |
|--|---|
| <input type="checkbox"/> Nurse                           | <input type="checkbox"/> Health Director      |
| <input type="checkbox"/> Camera Technician               | <input type="checkbox"/> Diabetes Officer     |
| <input type="checkbox"/> Community Health Representative | <input type="checkbox"/> Administrative Clerk |
| <input type="checkbox"/> NNADAP Officer                  | <input type="checkbox"/> Other _____          |

3- How long have you been working at your Health Centre?

- Less than 1 year
- Between 1 year and 5 years
- More than 5 years

4- You are...

- An Aboriginal intervener
- A non-Aboriginal intervener

**B. Satisfaction regarding the training**

5- In general, I found the training:

- Very satisfactory
- Satisfactory
- Somewhat satisfactory
- Unsatisfactory

5.1- Why? \_\_\_\_\_  
\_\_\_\_\_

6- The theoretical component of the training (information on diabetes and diabetic retinopathy) was presented:

- Very adequately
- Adequately
- Somewhat adequately
- Inadequately

6.1- Why? \_\_\_\_\_  
\_\_\_\_\_



7- The practical component of the training (operating the camera, transmitting photos, etc.) was presented:

- Very adequately
- Adequately
- Somewhat adequately
- Inadequately

7.1- Why? \_\_\_\_\_  
\_\_\_\_\_

8- The visual support (PowerPoint, eye diagram, flip chart, etc.) used for the training was:

- Excellent
- Good
- Fair
- Poor

8.1- Why? \_\_\_\_\_  
\_\_\_\_\_

9- The content of the training manual distributed to participants was:

- Very relevant
- Relevant
- Somewhat relevant
- Not relevant at all

9.1- Why? \_\_\_\_\_  
\_\_\_\_\_

10- Have you referred to this manual since the training?

- Yes       No

10.1- If yes, how often? \_\_\_\_\_

10.2- If yes, in what situation(s)? \_\_\_\_\_

10.3- If no, why have you not used it? \_\_\_\_\_

11- Does the manual lack any content with regard to certain information or topics?

- Yes       No

11.1- If yes, what content does it lack? \_\_\_\_\_  
\_\_\_\_\_



**12-** Was sufficient time allocated in the training to the various tasks (dilation of the pupils, taking of photos, preparation of files to be sent to the *Retina Laboratories*, etc.)?

Yes       No

**12.1-** If no, how much time should have been allocated to these tasks? \_\_\_\_\_

**12.2-** According to you, which task(s) require the most practice? \_\_\_\_\_

\_\_\_\_\_

**13-** What were your expectations regarding this training?

\_\_\_\_\_

\_\_\_\_\_

**13.1-** Did the training meet all your expectations?

Yes       No

**14-** Which of the following do you consider this training to be designed for (check off all applicable choices)?

- |  |  |
|--|--|
| <input type="checkbox"/> Nurses                            | <input type="checkbox"/> Technicians         |
| <input type="checkbox"/> All resource persons for diabetes | <input type="checkbox"/> Medical specialists |
| <input type="checkbox"/> None of these choices             | <input type="checkbox"/> Health directors    |
| <input type="checkbox"/> Other (please specify) _____      |  |

**15-** Do you feel that you had all the necessary prerequisite knowledge in order to fully understand the training?

Yes       No

**15.1-** If no, what knowledge would have allowed you to better understand the training?

\_\_\_\_\_

\_\_\_\_\_

**16-** Following this training, do you feel that you have the necessary knowledge for performing your work?

Yes       No

**16.1-** If no, what area(s) of knowledge would you like to improve? \_\_\_\_\_

\_\_\_\_\_

**17-** Did the information provided during the training correspond to the reality of your tasks on screening days?

Yes       No

**17.1-** If yes, why? \_\_\_\_\_

\_\_\_\_\_

**17.2-** If no, why not? \_\_\_\_\_

\_\_\_\_\_



18- Do you believe that another training session is necessary?

Yes  No

18.1- If yes, when should this follow-up take place? \_\_\_\_\_

18.2- If yes, what should this second training deal with? \_\_\_\_\_

\_\_\_\_\_

19- Would you feel comfortable in passing on information that you received at the training to your colleagues?

Yes  No

20- Do you know who to contact if you have any **clinical** questions (dilation of pupils, visual acuity test, intraocular pressure, patient follow-up, etc.) during the performance of one of your tasks?

Yes  No  Not applicable

20.1- If yes, who would you contact?

Name of person: \_\_\_\_\_

Position held by this person: \_\_\_\_\_

Organization for which this person works: \_\_\_\_\_

20.2- How would you contact this person? \_\_\_\_\_

21- Do you know who to contact if you have any **technical** questions (taking of photos, transmitting photos, etc.) during the performance of one of your tasks?

Yes  No  Not applicable

21.1- If yes, who would you contact?

Name of person: \_\_\_\_\_

Position held by this person: \_\_\_\_\_

Organization for which this person works: \_\_\_\_\_

21.2- How would you contact this person? \_\_\_\_\_

22- Do you have any suggestions for improving the training offered for diabetic retinopathy screening?

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**Thank you for taking the time to answer this questionnaire!**



**Questionnaire for nurses**  
**Implementation of the new remote diabetic retinopathy screening service**

---

**A. Identification of respondent**

1- Name of your community: \_\_\_\_\_

2- How long have you held this position at the Health Centre?

- Less than 1 year
- Between 1 year and 5 years
- More than 5 years

**B. Perceptions concerning the implementation of the new screening service**

3- According to you, what are the positive aspects or advantages related to the implementation of the new diabetic retinopathy screening service in your Health Centre?

---

---

---

4- According to you, what are the negative aspects or disadvantages related to the implementation of the new diabetic retinopathy screening service in your Health Centre?

---

---

---

5- In what way has the implementation of the new service had an effect on your responsibilities and on the distribution of tasks among the employees of your Health Centre?

---

---

---

6- Has the implementation of the new service required modification of your Health Centre's internal procedures?

- Yes                       No

6.1- If yes, what modification(s) have been required? \_\_\_\_\_

---

---



7- Are you *very satisfied, satisfied, dissatisfied or very dissatisfied* by your new tasks related to the addition of the remote diabetic retinopathy screening service?

- Very satisfied
- Satisfied
- Dissatisfied
- Very dissatisfied

7.1 - Why? \_\_\_\_\_  
\_\_\_\_\_

8- Since the arrival of the new screening service, what has been the level of collaboration between the interveners from your Health Centre and those from the Health Centres of other communities participating in the project (Eagle Village, Timiskaming, Winneway, Wolf Lake)?

\_\_\_\_\_  
\_\_\_\_\_

8.1 - Is the level of collaboration the same as before the service was implemented?

- Yes
- No

8.2- Have you collaborated personally with an intervener from another Health Centre?

- Yes
- No

8.3- If yes, in what circumstance? \_\_\_\_\_  
\_\_\_\_\_

9- Since the arrival of the new screening service, what has been the level of collaboration between your Health Centre and the provincial health system (CLSC, CSSS, hospitals, etc.)?

\_\_\_\_\_  
\_\_\_\_\_

9.1- Is the level of collaboration the same as before the service was implemented?

- Yes
- No

9.2- Have you collaborated personally with an intervener from the provincial health system?

- Yes
- No

9.3- If yes, in what circumstance(s)? \_\_\_\_\_  
\_\_\_\_\_



10- Since the arrival of the new screening service, have you observed any changes (for example, an improvement) in the existing collaboration among the interveners of your Health Centre?

- Yes  No

10.1- If yes, what change(s) have you observed? \_\_\_\_\_  
\_\_\_\_\_

11- Has it been easy to integrate the new screening service into your daily tasks?

- Very easy to integrate  
 Easy to integrate  
 Difficult to integrate  
 Impossible to integrate

11.1- Why? \_\_\_\_\_  
\_\_\_\_\_

12- What effect(s) has this new screening service had on your practices related to diabetes?

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

13- According to you, what are the advantages of remote screening for the patients?

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

14- According to you, what are the disadvantages of remote screening for the patients?

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

15- Has the addition of the service had an influence on the number of diabetic patients coming to your Health Centre for medical care?

- Yes  No

15.1- If yes, how many more diabetics are obtaining medical care from your Health Centre? \_\_\_\_\_



**16-** What effect has the addition of the service had on the participation of diabetics in the prevention and promotion activities organized by the Health Centre on the topic of diabetes?

---

---

---

**17-** Since the addition of the diabetic retinopathy screening service, how many patients have been diagnosed positively? \_\_\_\_\_

**18-** Of this number, how many had to be referred to an ophthalmologist? \_\_\_\_\_

**18.1-** What was the procedure used to refer a patient to a specialist? \_\_\_\_\_

---

---

**18.2-** How would you qualify the procedure used to refer patients requiring follow-up?

Easy

Difficult

**18.3-** Why? \_\_\_\_\_

---

**19-** How could the diabetic retinopathy screening service be improved?

---

---

---

---

**20-** Do you have any other comments for us concerning your experience with the implementation of the new remote screening service for diabetic retinopathy at your Health Centre?

---

---

---

---

---

---

**Thank you for taking the time to answer this questionnaire!**



**Questionnaires for technicians**  
**Implementation of the new remote diabetic retinopathy screening service**

---

**A. Identification of respondent**

1- Name of your community: \_\_\_\_\_

2- How long have you held this position at the Health Centre?

- Less than 1 year
- Between 1 year and 5 years
- More than 5 years

**B. Perceptions concerning the implementation of the new screening service**

3- According to you, what are the positive aspects or advantages related to the implementation of the new diabetic retinopathy screening service in your Health Centre?

---

---

---

4- According to you, what are the negative aspects or disadvantages related to the implementation of the new diabetic retinopathy screening service in your Health Centre?

---

---

---

5- In what way has the implementation of the new service had an effect on your responsibilities and on the distribution of tasks among the employees of your Health Centre?

---

---

---

6- Has the implementation of the new service required modification of your Health Centre's internal procedures?

- Yes                       No

6.1- If yes, what modification(s) have been required? \_\_\_\_\_

---

---



7- Are you *very satisfied, satisfied, dissatisfied or very dissatisfied* by your new tasks related to the addition of the remote diabetic retinopathy screening service?

- Very satisfied
- Satisfied
- Dissatisfied
- Very dissatisfied

7.1 – Why? \_\_\_\_\_  
\_\_\_\_\_

8- Since the arrival of the new screening service, have you observed any changes (for example, an improvement) in the existing collaboration among the interveners of your Health Centre?

- Yes
- No

8.1- If yes, what change(s) have you observed? \_\_\_\_\_  
\_\_\_\_\_

9- Has it been easy to integrate the new screening service into your daily tasks?

- Very easy to integrate
- Easy to integrate
- Difficult to integrate
- Impossible to integrate

9.1 Why? \_\_\_\_\_  
\_\_\_\_\_

10- What effect has this new screening service had on your practices related to diabetes?

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

11- According to you, what are the advantages of remote screening for the patients?

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

12- According to you, what are the disadvantages of remote screening for the patients?

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



**13-** What effect has the addition of the new service had on the planning of your activities related to diabetes?

---

---

---

**14-** What effect has the new service had on the participation of diabetics in the prevention and promotion activities organized by your Health Centre?

---

---

---

**15-**How could the diabetic retinopathy screening service be improved?

---

---

---

---

**16-** Do you have any other comments for us concerning your experience with the implementation of the new remote screening service for diabetic retinopathy at your Health Centre?

---

---

---

---

---

---

**Thank you for taking the time to answer this questionnaire!**



**Questionnaire for health directors**  
**Implementation of the new remote diabetic retinopathy screening service**

---

**A. Identification of respondent**

1- Name of your community: \_\_\_\_\_

2- How long have you held this position at the Health Centre?

- Less than 1 year
- Between 1 year and 5 years
- More than 5 years

**B. Perceptions concerning the implementation of the new screening service**

3- According to you, what are the positive aspects or advantages related to the implementation of the new diabetic retinopathy screening service in your Health Centre?

---

---

---

4- According to you, what are the negative aspects or disadvantages related to the implementation of the new diabetic retinopathy screening service in your Health Centre?

---

---

---

5- In what way has the implementation of the new service had an effect on the distribution of the tasks and responsibilities of the employees of your Health Centre?

---

---

---

---

6- Has the implementation of the new service required modification of your Health Centre's internal procedures?

- Yes                       No

6.1- If yes, what modification(s) have been required? \_\_\_\_\_

---

---



7- What effect(s) has the addition of this new service had on the planning of your Health Centre's activities related to diabetes?

---

---

---

8- What effect(s) has the addition of this new service had on the planning of other activities by your Health Centre?

---

---

---

9- What effect(s) has the addition of this new service had on the distribution of budgets among the different programs at your Health Centre?

---

---

---

10- Has the addition of this new screening service had an effect on the practices of your Health Centre's interveners related to diabetes?

Yes  No

10.1- If yes, what effect(s) has it had? \_\_\_\_\_  
\_\_\_\_\_

11- According to you, what are the advantages of remote screening for the patients?

---

---

---

12- According to you, what are the disadvantages of remote screening for the patients?

---

---

---

13- What effect has the addition of the new service had on the participation of diabetics in the activities of the Health Centre?

---

---



**14-** According to you, what conditions must be put into place to ensure the sustainability (long-term viability) of the telehealth screening service for diabetic retinopathy?

---

---

---

**15-** How could the diabetic retinopathy screening service be improved?

---

---

---

**16-** Has the addition of this new service influenced your collaborative links with...?

**16.1-** The other communities participating in the project (Eagle Village, Winneway, Timiskaming, Wolf Lake)?

Yes  No

**16.2-** If yes, how? \_\_\_\_\_

**16.3-** If no, why not? \_\_\_\_\_

**16.4-** Institutions in the public system and their representatives (CSSS, CLSC, hospitals, physicians, specialists)?

Yes  No

**16.5-** If yes, how? \_\_\_\_\_

**16.6-** If no, why not? \_\_\_\_\_

**17-** Do you have any other comments for us concerning your experience with the implementation of the new remote screening service for diabetic retinopathy at your Health Centre?

---

---

---

---

---

**Thank you for taking the time to answer this questionnaire!**



**Questionnaire on user satisfaction with regard to the new distance screening service for diabetic retinopathy (photographing the rear of the eye)**

---

*Definition:* "Distance screening" is when the patient taking the screening test is not in the same place as the doctor who reads the results. Instead, communication technologies (such as the Internet) are used to link the two.

**A- Identification of the screening service user**

1- Name of your community: \_\_\_\_\_

2- Date when you did the diabetic retinopathy screening test: \_\_\_ / \_\_\_ / \_\_\_  
Day Month Year

3- Are you a man or a woman?

Man  Woman

4- Have you been previously tested for diabetic retinopathy before your screening at the Health Center ?

Yes  No

4.1- If you answered yes, where were you tested? \_\_\_\_\_

4.2- If you answered yes, about how much did that test cost you? \$ \_\_\_\_\_

4.3- If you answered yes, did you make use of your community's medical transport services?

Yes  No

**B- Satisfaction about the new screening service**

5- Before receiving an invitation from your Health Centre, had you already heard of the possibility of distance screening for diabetic retinopathy?

Yes  No

5.1- If you answered yes, how did you hear of it? \_\_\_\_\_

\_\_\_\_\_

6- Prior to your screening, were you told about what the testing procedure (visual acuity test, dilation of the pupils, photography ...)?

Yes  No

6.1- If you answered yes, who explained the screening process to you? \_\_\_\_\_



7- Did the screening process happen the way you expected?

- Yes
- No

7.1- If not, why not? \_\_\_\_\_  
 \_\_\_\_\_

8- How do you feel about the fact that a technician from your Health Centre carried out the test?

- Completely acceptable
- Acceptable
- Indifferent/neutral
- Somewhat unacceptable
- Completely unacceptable

8.1- Why? \_\_\_\_\_  
 \_\_\_\_\_

9- How do you feel about the fact that you were not with the retina specialist, the doctor reading the photographs, at the time of screening?

- Completely acceptable
- Acceptable
- Indifferent/neutral
- Somewhat unacceptable
- Completely unacceptable

9.1- Why? \_\_\_\_\_  
 \_\_\_\_\_

10- What advantages did you find with the distance screening service, i.e., at your Health Centre, for diabetic retinopathy?

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

11- What disadvantages did you find with the distance screening service, i.e., at your Health Centre, for diabetic retinopathy?

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_



**12-** What expenses or arrangements did you have to make with regard to the retinopathy screening test at your Health Centre?

- Travel expenses
- Work absence
- Other: \_\_\_\_\_
- Childcare
- Someone to take you home

**12.1-** Do you think it would have been more expensive or inconvenient if your screening test was done outside the community?

- Yes
- No

**12.2-** Why? \_\_\_\_\_  
\_\_\_\_\_

**13-** If you couldn't have been screened for diabetic retinopathy at your Health Centre, would you have gone elsewhere for the detection test?

- Yes
- No

**13.1-** If you answered yes, where would you have gone? \_\_\_\_\_

**13.2-** If no, why wouldn't you have gone outside of your community? \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**14-** In general, are you *very satisfied*, *satisfied*, *unsatisfied* or *very unsatisfied* with the service you received?

- Very satisfied
- Satisfied
- Unsatisfied
- Very unsatisfied

**14.1-** Why? \_\_\_\_\_  
\_\_\_\_\_

**15-** At the time of your appointment for your diabetic retinopathy screening, did you have the chance to discuss your diabetes with the nurse or another worker at your Health Centre?

- Yes
- No

**15.1-** If you answered yes, what subjects did you discuss? \_\_\_\_\_  
\_\_\_\_\_

**16-** Did the fact you were screened for diabetic retinopathy give you new information about diabetes?

- Yes
- No

**16.1-** Why? \_\_\_\_\_  
\_\_\_\_\_



17- Did the fact you were screened for diabetic retinopathy increase your awareness about the importance of controlling your diabetes?

- Yes  No

17.1- Why? \_\_\_\_\_  
\_\_\_\_\_

18- Would you agree to redo the annual follow-up test for diabetic retinopathy in the same way?

- Yes  No

18.1- Why? \_\_\_\_\_  
\_\_\_\_\_

19- If other kinds of tele-health services were offered by your Health Centre (e.g., other kinds of screening, remote consultation by a family doctor or specialist), would you agree to participate?

- Yes  No

19.1- If no, why not? \_\_\_\_\_  
\_\_\_\_\_

20- Following the diabetic retinopathy screening at your Health Centre, did you need to have follow-up with an eye specialist?

- Yes  No  I haven't received my results yet

**If you answered no, or haven't received your test results yet,  
go to question 25.**

21- In which situation are you?

- I have seen an eye specialist  
 I haven't seen an eye specialist yet

22- How did you learn that you needed to see an eye specialist?

\_\_\_\_\_  
\_\_\_\_\_

23- Are you satisfied with the service you received from your Health Centre with regard to making an appointment with an eye specialist?

- Yes  No  Does not apply

23.1- Why? \_\_\_\_\_  
\_\_\_\_\_



**24-** Are you satisfied with the service you received from the clinic or hospital where you consulted the specialist?

Yes

No

Does not apply

**24.1-** Why? \_\_\_\_\_  
\_\_\_\_\_

**25-** In your opinion, how could the screening service for diabetic retinopathy be improved?

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**26-** Do you have any comments with regard to your distance screening experience?

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Thank you for taking the time to answer this questionnaire!**



# Evaluation of the Diabetic Retinopathy Project

## - Annual Follow-up -

### A- Identification of the screening service user

1- Name of your community: \_\_\_\_\_

2- Date when you did the annual follow-up diabetic retinopathy screening test: \_\_\_ \_\_\_ / \_\_\_ \_\_\_ / \_\_\_ \_\_\_  
Day Month Year

3- Are you a man or a woman?  Man  Woman

### B-Satisfaction about the annual follow-up screening service

4- In general, are you *very satisfied*, *satisfied*, *unsatisfied* or *very unsatisfied* with the annual follow-up diabetic retinopathy screening test you received in your Community Health Center?

- Very satisfied
- Satisfied
- Unsatisfied
- Very unsatisfied

4.1- Why? \_\_\_\_\_  
\_\_\_\_\_

5- How did the diabetic retinopathy screening service have changed in your Community Health Center since your last visit?

- Service quality is the same
- Service quality improved
- Service quality deteriorated

5.1- Can you explain? \_\_\_\_\_  
\_\_\_\_\_

6- At the time of your annual follow-up for diabetic retinopathy screening, did you have the chance to discuss your diabetes with the nurse or another worker at your Community Health Centre?

- Yes
- No

6.1- If you answered yes, what subjects did you discuss? \_\_\_\_\_  
\_\_\_\_\_



7- At the time of your annual follow-up for diabetic retinopathy screening, do you think the nurses and technicians in your Community Health Center have the necessary expertise to take in charge the service?

- Yes  No

7.1- Why? \_\_\_\_\_  
\_\_\_\_\_

8- After the diabetic retinopathy screening annual follow-up at your Community Health Centre, did you need to meet an eye specialist?

- Yes  No  I haven't received my results yet

**If you answered no, or haven't received your test results yet,  
go to question 13 on the next page.**

9- After your annual follow-up for diabetic retinopathy screening, in which situation are you?

- I have seen an eye specialist  
 I haven't seen an eye specialist yet

10- How did you learn that you needed to see an eye specialist?

\_\_\_\_\_  
\_\_\_\_\_

11- Are you satisfied with the service you received from your Community Health Centre with regard to making an appointment with an eye specialist?

- Yes  No  Does not apply

11.1- Why? \_\_\_\_\_  
\_\_\_\_\_

12- Are you satisfied with the service you received from the clinic or hospital where you consulted the specialist?

- Yes  No  Does not apply

12.1- Why? \_\_\_\_\_  
\_\_\_\_\_

13- In your opinion, how could the screening service for diabetic retinopathy be improved?

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



14- Do you have any comments with regard to your distance screening experience?

---

---

---

---

15- Did you need assistance in completing this questionnaire?

- Yes                       No

15.1- If you answered yes, who helped you?

- Technician                       Nurse  
 Field worker                       Health Center secretary  
 Other person, specify: \_\_\_\_\_

**Thank you for taking the time to answer this questionnaire!**



**CONSENT FORM FOR ONGOING DATA COLLECTION AMONG REGIONAL PLAYERS**

**EVALUATION OF THE IMPLEMENTATION OF THE PILOT PROJECT FOR DISTANCE SCREENING OF DIABETIC RETINOPATHY**

**Pilot Project for Distance Screening of Diabetic Retinopathy**

The pilot project for distance screening of diabetic retinopathy will take place between January 2010 and September 2011 in four Algonquin communities located in the Abitibi-Témiscamingue region [Eagle Village, Timiskaming, Winneway-Long Point and Wolf Lake (through Eagle Village)]. Using telehealth technology, the goal is to increase access for First Nations individuals suffering from diabetes to diabetic retinopathy screening and specialized care in ophthalmology.

**Organization Mandated to Complete the Evaluation**

The Research Sector of the FNQLHSSC has been mandated by the Health Sector of the FNQLHSSC to complete the evaluation of the implementation of the pilot project for distance screening of diabetic retinopathy.

**Purpose of the Evaluation**

The purpose is to evaluate the implementation of the pilot project for distance screening of diabetic retinopathy in four targeted First Nations communities. The aim of the implementation evaluation is to determine means and conditions to be implemented to establish and gain an understanding of the interventions completed and their outcomes. The evaluative approach must serve to identify contextual, organizational and technological characteristics, as well as the relations, perceptions and practices favouring and limiting the achievement of the goals of the pilot project for distance screening of diabetic retinopathy. The evaluation will also serve to measure the economic impact of the pilot project. Finally, this evaluative approach aims to contribute to enhancing the ability of each community to develop and implement a comprehensive program to fight diabetes.

**Ongoing Data Collection**

This consent formula authorizes the Research Sector of the FNQLHSSC to use information collected on a continuous basis by regional players during meetings of the Planning and Follow-up Committee, during meetings to follow up and update information on the project for distance screening of diabetic retinopathy or during other official activities held within the framework of the pilot project for distance screening of diabetic retinopathy.

**Protection and Confidentiality of Personal Information**

Information obtained during ongoing collection will be used solely for evaluative purposes. The information will serve during regular follow-up activities of the Planning and Follow-up Committee and the Research/Evaluation Working Group. Additionally, the information will be used in the preparation of the final report and as the basis for recommendations to implement future services for the distance screening of diabetic retinopathy in other First Nations communities in Quebec. The names of information providers will not appear in any report and under no circumstances will their identity be made public. Verbatim excerpts may appear in the final evaluative report, but will be identified by the category of players associated with the information, in this case, regional players.

**Duration of the Conservation of Information**

Information collected will be kept confidential by the Research Sector of the FNQLHSSC in the name of the participating communities for up to five (5) years after the submission of the final report, after which time it will be destroyed.



**Right of Refusal or Withdrawal**

During the ongoing collection of data, an information provider may, at any time and without having to provide any justification or suffer any prejudice whatsoever, withdraw or request that his or her information not be recorded.

All questions regarding the evaluative approach may be directed to Josiane Perreault, Research Agent at the FNQLHSSC by telephone at 418-842-1540 or by email at: [jperreault@cssspnql.com](mailto:jperreault@cssspnql.com)

Participant:

I have read this consent form. I had the possibility to find out more about the evaluative approach from the research agent in charge. I have obtained answers to my questions. I understand that my participating in this evaluation is voluntary and that I may withdraw at any time.

Therefore, I freely accept to participate in this evaluation by signing this consent form.

- I, the undersigned \_\_\_\_\_, agree to participate in the pilot project for distance screening of diabetic retinopathy.
- I, the undersigned \_\_\_\_\_, do not agree to participate in the pilot project for distance screening of diabetic retinopathy.

Signature of the participant \_\_\_\_\_ Date \_\_\_\_\_

Signature of the research agent \_\_\_\_\_ Date \_\_\_\_\_



**Consent form for users of the distance screening service for diabetic retinopathy  
(photographs of the rear of the eye)**

---

**INTRODUCTION**

The First Nations of Quebec and Labrador Health and Social Services Commission (FNQLHSSC) was mandated to evaluate the implementation and impact of the new service for distance screening of diabetic retinopathy (photographs of the rear of the eye) offered in four First Nations communities in Quebec (Timiskaming, Eagle Village, Winneway and Wolf Lake).

Before agreeing to participate in this evaluation, please take the time to read the following information. This document explains the purpose, procedure, advantages and inconveniences related to your participation, as well as aspects concerning the confidentiality of your answers. Please ask any questions that come to mind before signing the document.

**PURPOSE**

Your participation is requested to learn about your satisfaction with the new service for distance screening of diabetic retinopathy offered at the health centre in your community. We will be gathering the opinions of several service users in your community and other communities participating in the project in order to understand what aspects are appreciated and what should be improved. The evaluation will serve to make necessary adjustments during the next phases of project implementation and assess the impact of the project on the health of diabetic individuals and the organization of health services.

**PROCEDURE UNDERLYING YOUR PARTICIPATION**

By accepting to participate in this evaluation, you must complete a satisfaction questionnaire. It takes about 30 minutes to complete the questionnaire. You may choose to have the interviewer ask the questions and enter your answer choices, or you may read and answer the questionnaire yourself. Once you have completed the questionnaire, the field worker will forward your questionnaire and signed consent form to the research team at the FNQLHSSC.

**ADVANTAGES AND INCONVENIENCES OF PARTICIPATION**

The fact of participating in this evaluation offers you the opportunity to express your opinion regarding the screening service offered in your community. Your participation could contribute to improving the screening service for diabetic retinopathy offered in your community and other First Nations communities in Quebec. There are no inconveniences related to your participation, except for the time you invest.

**CONFIDENTIALITY**

All information collected will be handled confidentially. The information will be saved under lock and key for five (5) years at the First Nations of Quebec and Labrador Health and Social Services Commission (FNQLHSSC). After this period, the information will be destroyed. Participants' names will not appear in any report, nor will they be made public at any time.



**RIGHT OF WITHDRAWAL**

You are free to complete this satisfaction questionnaire. You may stop answering the questionnaire at any time with no negative consequences and without having to justify your decision. Simply stop answering the questions and do not hand in your questionnaire to the interviewer.

**EXPRESSION OF THANKS**

Thank you for taking the time to complete this questionnaire. Any questions you may have regarding this evaluation may be directed to Benoit Éthier, Research Agent with the FNQLHSSC, at: (418) 842-1540 Ext. 385 or by email to: [bethier@cssspnql.com](mailto:bethier@cssspnql.com). You may also speak with the field worker or staff at your health centre.

To thank you for your participation, we cordially invite you to participate in the draw of a *Wii Fit* system to be drawn at random among all questionnaire respondents. To participate, we require your name and telephone number or an email address where you may be reached. This information will serve only for the draw.

I would like to participate in the draw of a *Wii Fit* system.       Yes       No

Name (please print): \_\_\_\_\_

Telephone number: \_\_\_\_\_ OR

Email address: \_\_\_\_\_

**SIGNATURES**

I, the undersigned, \_\_\_\_\_ freely agree to answer the user satisfaction questionnaire in the course of the evaluation of the project for the distance screening of diabetic retinopathy. I have read and understood the information presented in this consent form.

I am signing this form in two copies and will keep a copy.

\_\_\_\_\_  
Participant's signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Interviewer's signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Research agent's signature

\_\_\_\_\_  
Date



---

**ANNEX IV**

---

**MAP OF TÉMISCAMINGUE**





**DETAILED TABLES OF THE CALCULATIONS OF THE CHAPTER 8 – ECONOMIC ANALYSIS**



**Costs related to the trajectories of the diabetic patients with and without the implementation of the pilot project – detailed spreadsheets**

**Explanatory notes to determine the distances:**

The distances between the communities and cities located in Quebec were established using *Transports Québec's* Travelling Distance Estimation Tool.

The distances between the communities located in Quebec and the cities located in Ontario were established using Google Maps.

**Explanatory notes to determine the travel expenses:**

Eagle Village, Wolf Lake and Winneway

- Allocation for distance travelled (km): \$0.50/km
- Salary of the medical transportation driver
  - o For the communities of Eagle Village and Wolf Lake: \$16.00/hour
  - o For the community of Winneway: \$18.54/hour
- \$10.00 are added for the meals of the patient and his/her escort (for a total of \$20.00)

Timiskaming

- Travel expenses were derived from the data transmitted by the community health centre

**Explanatory notes to determine the examination expenses:**

- For the cost of treatment:
  - o The costs are calculated for the treatment of proliferative retinopathy affecting one eye.
  - o The costs are calculated for two treatment sessions.

**Explanatory notes to determine the societal costs:**

- Minimum wage retained: \$9.65/hour
- Number of hours of blurred vision for the patient following the application of dilating agents (drops): 4 hours
- The wait times at the clinic and for consultation were provided by the interrogated hospitals and clinics.





**EAGLE VILLAGE – WITHOUT the implementation**

**Scenario 1 – Normal test**

Considerations for the calculation		Calculation of the cost	Total
<b>Screening and diagnosis by the ophthalmologist</b>			
Travel expenses	North Bay: 162 km Roundtrip travel time: 3 hours Wait time for the driver: 2.5 hours Meal expenses: \$20.00	$(162 \times 0.50) + (5.5 \times 16.00) + 20.00 = \mathbf{\$189.00}$	\$424.38
Examination expenses	Major eye exam when referred by a general practitioner: \$51.10 Electroretinography: \$54.00	$51.10 + 54.00 = \mathbf{\$105.10}$	
Societal costs	<u>For the patient:</u> Travel time for one-way only: 1.5 hours Wait time: 1.5 hours Consultation: 1 hour Blurred vision: 4 hours <u>For the escort:</u> Roundtrip travel time: 3 hours Wait time: 1.5 hours Consultation: 1 hour	$(1.5+1.5+1+4) + (3+1.5+1) \times 9.65 = \mathbf{\$130.28}$	
<b>Follow-up or treatment if necessary</b>			
Travel expenses	-	-	\$0.00
Examination expenses	-	-	
Societal costs	-	-	
<b>Total of the trajectory</b>			<b>\$424.38</b>



**EAGLE VILLAGE - WITHOUT the implementation**

**Scenario 1 – Reimaging in 4 or 6 months**

	Considerations for the calculation	Calculation of the cost	Total
<b>Screening and diagnosis by the ophthalmologist</b>			
Travel expenses	North Bay: 162 km Roundtrip travel time: 3 hours Wait time for the driver: 2.5 hours Meal expenses: \$20.00	$(162 \times 0.50) + (5.5 \times 16.00) + 20.00 = \mathbf{\$189.00}$	\$424.38
Examination expenses	Major eye exam when referred by a general practitioner: \$51.10 Electroretinography: \$54.00	$51.10 + 54.00 = \mathbf{\$105.10}$	
Societal costs	<u>For the patient:</u> Travel time for one-way only: 1.5 hours Wait time: 1.5 hours Consultation: 1 hour Blurred vision: 4 hours <u>For the escort:</u> Roundtrip travel time: 3 hours Wait time: 1.5 hours Consultation : 1 hour	$(1.5+1.5+1+4) + (3+1.5+1) \times 9.65 = \mathbf{\$130.28}$	
<b>Follow-up or treatment if necessary</b>			
Travel expenses	North Bay: 162 km Roundtrip travel time: 3 hours Wait time for the driver: 2.5 hours Meal expenses: \$20.00	$(162 \times 0.50) + (5.5 \times 16.00) + 20.00 = \mathbf{\$189.00}$	\$404.28
Examination expenses	Subsequent <i>exam</i> : \$31.00 Electroretinography: \$54.00	$31.00 + 54.00 = \mathbf{\$85.00}$	
Societal costs	<u>For the patient:</u> Travel time for one-way only: 1.5 hours Wait time: 1.5 hours Consultation: 1 hour Blurred vision: 4 hours <u>For the escort:</u> Roundtrip travel time: 3 hours Wait time: 1.5 hours Consultation: 1 hour	$(1.5+1.5+1+4) + (3+1.5+1) \times 9.65 = \mathbf{\$130.28}$	
<b>Total of the trajectory</b>			<b>\$828.66</b>



**EAGLE VILLAGE - WITHOUT the implementation**

**Scenario 1 - Treatment**

	Considerations for the calculation	Calculation of the cost	Total
<b>Screening and diagnosis by the ophthalmologist</b>			
Travel expenses	North Bay: 162 km Roundtrip travel time: 3 hours Wait time for the driver: 2.5 hours Meal expenses: \$20.00	$(162 \times 0.50) + (5.5 \times 16.00) + 20.00 = \mathbf{\$189.00}$	\$424.38
Examination expenses	Major eye exam when referred by a general practitioner: \$51.10 Electroretinography: \$54.00	$51.10 + 54.00 = \mathbf{\$105.10}$	
Societal costs	<u>For the patient:</u> Travel time for one-way only: 1.5 hours Wait time: 1.5 hours Consultation: 1 hour Blurred vision: 4 hours <u>For the escort:</u> Roundtrip travel time: 3 hours Wait time: 1.5 hours Consultation: 1 hour	$(1.5+1.5+1+4) + (3+1.5+1) \times 9.65 = \mathbf{\$130.28}$	
<b>Follow-up or treatment if necessary</b>			
Travel expenses	North Bay: 162 km Roundtrip travel time: 3 hours Wait time for the driver: 1.5 hours Meal expenses: \$20.00 2 sessions	$(162 \times 0.50) + (4.5 \times 16.00) + 20.00 \times 2 = \mathbf{\$346.00}$	\$933.45
Examination expenses	Photocoagulation: \$182.75 2 sessions	$182.75 \times 2 = \mathbf{\$365.50}$	
Societal costs	<u>For the patient:</u> Travel time for one-way only: 1.5 hours Wait time: 0.5 hour Consultation: 1 hour Blurred vision: 4 hours <u>For the escort:</u> Roundtrip travel time: 3 hours Wait time: 0.5 hour Consultation: 1 hour 2 sessions	$(1.5+0.5+1+4) + (3+0.5+1) \times 9.65 \times 2 = \mathbf{\$221.95}$	
<b>Total of the trajectory</b>			<b>\$1 357.83</b>



**EAGLE VILLAGE - WITHOUT the implementation**

**Scenario 2 – Normal test**

	Considerations for the calculation	Calculation of the cost	Total
<b>Screening by the optometrist</b>			
Travel expenses	North Bay: 162 km Roundtrip travel time: 3 hours Wait time for the driver: 1 hour Meal expenses: \$20.00	$(162 \times 0.50) + (4 \times 16.00) + 20.00 = \mathbf{\$165.00}$	\$499.26
Examination expenses	First exam without pupil dilation: \$127.05 on average Retinal photography: \$105.88	$127.05 + 105.88 = \mathbf{\$232.93}$	
Societal costs	<u>For the patient:</u> Travel time for one-way only: 1.5 hours Wait time: 0.5 hour Consultation: 0.5 hour Blurred vision: 4 hours <u>For the escort:</u> Roundtrip travel time: 3 hours Wait time: 0.5 hour Consultation: 0.5 hour	$(1.5+0.5+0.5+4) + (3+0.5+0.5) \times 9.65 = \mathbf{\$101.33}$	
<b>Diagnosis by the ophthalmologist</b>			
Travel expenses	-	-	\$0.00
Examination expenses	-	-	
Societal costs	-	-	
<b>Follow-up or treatment if necessary by the ophthalmologist</b>			
Travel expenses	-	-	\$0.00
Examination expenses	-	-	
Societal costs	-	-	
<b>Total of the trajectory</b>			<b>\$499.26</b>



**EAGLE VILLAGE - WITHOUT the implementation**

**Scenario 2 – Reimaging in 4 or 6 months**

Considerations for the calculation		Calculation of the cost	Total
<b>Screening by the optometrist</b>			
Travel expenses	North Bay: 162 km Roundtrip travel time: 3 hours Wait time for the driver: 1 hour Meal expenses: \$20.00	$(162 \times 0.50) + (4 \times 16.00) + 20.00 = \mathbf{\$165.00}$	\$499.26
Examination expenses	First exam without pupil dilation: \$127.05 on average Retinal photography: \$105.88	$127.05 + 105.88 = \mathbf{\$232.93}$	
Societal costs	<u>For the patient:</u> Travel time for one-way only: 1.5 hours Wait time: 0.5 hour Consultation: 0.5 hour Blurred vision: 4 hours <u>For the escort:</u> Roundtrip travel time: 3 hours Wait time: 0.5 hour Consultation: 0.5 hour	$(1.5+0.5+0.5+4) + (3+0.5+0.5) \times 9.65 = \mathbf{\$101.33}$	
<b>Diagnosis by the ophthalmologist</b>			
Travel expenses	North Bay: 162 km Roundtrip travel time: 3 hours Wait time for the driver: 2.5 hours Meal expenses: \$20.00	$(162 \times 0.50) + (5.5 \times 16.00) + 20.00 = \mathbf{\$189.00}$	\$455.58
Examination expenses	Optometrist-requested assessment : \$82.30 Electroretinography (includes dilation) : \$54.00	$82.30 + 54.00 = \mathbf{\$136.30}$	
Societal costs	<u>For the patient:</u> Travel time for one-way only: 1.5 hours Wait time: 1.5 hours Consultation: 1 hour Blurred vision: 4 hours <u>For the escort:</u> Roundtrip travel time: 3 hours Wait time: 1.5 hours Consultation: 1 hour	$(1.5+1.5+1+4) + (3+1.5+1) \times 9.65 = \mathbf{\$130.28}$	
<b>Follow-up or treatment if necessary by the ophthalmologist</b>			
Travel expenses	North Bay: 162 km Roundtrip travel time: 3 hours Wait time for the driver: 2.5 hours Meal expenses: \$20.00	$(162 \times 0.50) + (5.5 \times 16.00) + 20.00 = \mathbf{\$189.00}$	\$404.28
Examination expenses	Subsequent visit : \$31.00 + Electroretinography : \$54.00	$31.00 + 54.00 = \mathbf{\$85.00}$	
Societal costs	<u>For the patient:</u> Travel time for one-way only: 1.5 hours Wait time: 1.5 hours Consultation: 1 hour Blurred vision: 4 hours <u>For the escort:</u> Roundtrip travel time: 3 hours Wait time: 1.5 hours	$(1.5+1.5+1+4) + (3+1.5+1) \times 9.65 = \mathbf{\$130.28}$	

	Consultation: 1 hour		
Total of the trajectory			\$1 359.12

**EAGLE VILLAGE - WITHOUT the implementation**

**Scenario 2 – Treatment**

	Considerations for the calculation	Calculation of the cost	Total
<b>Screening by the optometrist</b>			
Travel expenses	North Bay: 162 km Roundtrip travel time: 3 hours Wait time for the driver: 1 hour Meal expenses: \$20.00	$(162 \times 0.50) + (4 \times 16.00) + 20.00 = \mathbf{\$165.00}$	\$499.26
Examination expenses	First exam without pupil dilation: \$127.05 on average Retinal photography: \$105.88	$127.05 + 105.88 = \mathbf{\$232.93}$	
Societal costs	<u>For the patient:</u> Travel time for one-way only: 1.5 hours Wait time: 0.5 hour Consultation: 0.5 hour Blurred vision: 4 hours <u>For the escort:</u> Roundtrip travel time: 3 hours Wait time: 0.5 hour Consultation: 0.5 hour	$(1.5+0.5+0.5+4) + (3+0.5+0.5) \times 9.65 = \mathbf{\$101.33}$	
<b>Diagnosis by the ophthalmologist</b>			
Travel expenses	North Bay: 162 km Roundtrip travel time: 3 hours Wait time for the driver: 2.5 hours Meal expenses: \$20.00	$(162 \times 0.50) + (5.5 \times 16.00) + 20.00 = \mathbf{\$189.00}$	\$455.58
Examination expenses	Optometrist-requested assessment : \$82.30 Electroretinography (includes dilation) : \$54.00	$82.30 + 54.00 = \mathbf{\$136.30}$	
Societal costs	<u>For the patient:</u> Travel time for one-way only: 1.5 hours Wait time: 1.5 hours Consultation: 1 hour Blurred vision: 4 hours <u>For the escort:</u> Roundtrip travel time: 3 hours Wait time: 1.5 hours Consultation: 1 hour	$(1.5+1.5+1+4) + (3+1.5+1) \times 9.65 = \mathbf{\$130.28}$	
<b>Follow-up or treatment if necessary by the ophthalmologist</b>			
Travel expenses	North Bay: 162 km – 2 sessions Roundtrip travel time: 3 hours Wait time for the driver: 1.5 hours Meal expenses: \$20.00	$(162 \times 0.50) + (4.5 \times 16.00) + 20.00 \times 2 = \mathbf{\$346.00}$	\$933.45
Examination expenses	Photocoagulation: \$182.75 - 2 sessions	$\$182.75 \times 2 = \mathbf{\$365.50}$	
Societal costs	<u>For the patient:</u> Travel time for one-way only: 1.5 hours Wait time: 0.5 hour Consultation: 1 hour	$(1.5+0.5+1+4) + (3+0.5+1) \times 9.65 \times 2 = \mathbf{\$221.95}$	



	Blurred vision: 4 hours For the escort: Roundtrip travel time: 3 hours Wait time: 0.5 hour Consultation: 1 hour		
Total of the trajectory			\$1 888.29

**EAGLE VILLAGE – WITH the implementation Normal test**

	Considerations for the calculation	Calculation of the cost	Total
Screening and diagnosis by the ophthalmologist			
Travel expenses	-	-	\$172.90
Examination expenses	Analysis fees of the <i>Laboratoires de la Rétine RD</i> : \$115.00	<b>\$115.00</b>	
Societal costs	For the patient: Consultation: 1 hour Blurred vision: 4 hours For the escort: Consultation: 1 hour	$(1+4) + (1) \times 9.65 = \mathbf{\$57.90}$	
Follow-up			
Travel expenses	-	-	\$0.00
Examination expenses	-	-	
Societal costs	-	-	
Treatment			
Travel expenses	-	-	\$0.00
Examination expenses	-	-	
Societal costs	-	-	
Total of the trajectory			\$172.90



**EAGLE VILLAGE - WITH the implementation Reimaging in 4 or 6 months**

	Considerations for the calculation	Calculation of the cost	Total
Screening and diagnosis by the ophthalmologist			
Travel expenses	-	-	\$172.90
Examination expenses	Analysis fees of the <i>Laboratoires de la Rétine RD</i> : \$115.00	<b>\$115.00</b>	
Societal costs	For the patient: Consultation: 1 hour Blurred vision: 4 hours For the escort: Consultation: 1 hour	$(1+4) + (1) \times 9.65 = \mathbf{\$57.90}$	
Follow-up			
Travel expenses	-	-	\$172.90
Examination expenses	Analysis fees of the <i>Laboratoires de la Rétine RD</i> : \$115.00	<b>\$115.00</b>	
Societal costs	For the patient: Consultation: 1 hour Blurred vision: 4 hours For the escort: Consultation: 1 hour	$(1+4) + (1) \times 9.65 = \mathbf{\$57.90}$	
Treatment			
Travel expenses	-	-	\$0.00
Examination expenses	-	-	
Societal costs	-	-	
Total of the trajectory			<b>\$345.80</b>



**EAGLE VILLAGE - WITH the implementation Treatment**

	Considerations for the calculation	Calculation of the cost	Total
<b>Screening and diagnosis by the ophthalmologist</b>			
Travel expenses	-	-	\$172.90
Examination expenses	Analysis fees of the <i>Laboratoires de la Rétine RD</i> : \$115.00	<b>\$115.00</b>	
Societal costs	For the patient: Consultation: 1 hour Blurred vision: 4 hours For the escort: Consultation: 1 hour	$(1+4) + (1) \times 9.65 = \mathbf{\$57.90}$	
<b>Follow-up</b>			
Travel expenses	North Bay: 162 km Roundtrip travel time: 3 hours Wait time for the driver: 2.5 hours Meal expenses: \$20.00	$(162 \times 0.50) + (5.5 \times 16.00) + 20.00 = \mathbf{\$189.00}$	\$455.58
Examination expenses	Optometrist-requested assessment : \$82.30 Electroretinography (includes dilation): \$54.00	$82.30 + 54.00 = \mathbf{\$136.30}$	
Societal costs	For the patient: Travel time for one-way only: 1.5 hours Wait time: 1.5 hours Consultation: 1 hour Blurred vision: 4 hours For the escort: Roundtrip travel time: 3 hours Wait time: 1.5 hours Consultation: 1 hour	$(1.5+1.5+1+4) + (3+1.5+1) \times 9.65 = \mathbf{\$130.28}$	
<b>Treatment</b>			
Travel expenses	North Bay: 162 km	$(162 \times 0.50) + (4.5 \times 16.00) + 20.00 \times 2 =$	\$933.45

	Roundtrip travel time: 3 hours Wait time for the driver: 1.5 hours Meal expenses: \$20.00 2 sessions	<b>\$346.00</b>	
Examination expenses	Photocoagulation : \$182.75 - 2 sessions	$182.75 \times 2 =$ <b>\$365.50</b>	
Societal costs	<u>For the patient:</u> Travel time for one-way only: 1.5 hours Wait time: 0.5 hour Consultation: 1 hour Blurred vision: 4 hours <u>For the escort:</u> Roundtrip travel time: 3 hours Wait time: 0.5 hour Consultation: 1 hour 2 sessions	$(1.5+0.5+1+4) + (3+0.5+1) \times 9.65 \times 2 =$ <b>\$221.95</b>	
Total of the trajectory			<b>\$1 561.93</b>

**TIMISKAMING - WITHOUT the implementation**

**Scenario 1 - Normal test**

	Considerations for the calculation	Calculation of the cost	Total
<b>Screening and diagnosis by the ophthalmologist</b>			
Travel expenses	Medical transportation to North Bay (376 km) according to the community's data: \$359.84 Meal expenses: \$20.00	$359.84 + 20.00 =$ <b>\$379.84</b>	<b>\$629.69</b>
Examination expenses	Major eye exam when referred by a general practitioner: \$51.10 Electroretinography: \$54.00	$51.10 + 54.00 =$ <b>\$105.10</b>	
Societal costs	<u>For the patient:</u> Travel time for one-way only: 2 hours Wait time: 1.5 hours Consultation: 1 hour Blurred vision: 4 hours <u>For the escort:</u> Roundtrip travel time: 4 hours Wait time: 1.5 hours Consultation: 1 hour	$(2+1.5+1+4) + (4+1.5+1) \times 9.65 =$ <b>\$144.75</b>	
<b>Follow-up or treatment if necessary</b>			
Travel expenses	-	-	<b>\$0.00</b>
Examination expenses	-	-	
Societal costs	-	-	
Total of the trajectory			<b>\$629.69</b>



**TIMISKAMING - WITHOUT the implementation**

**Scenario 1 - Reimaging in 4 or 6 months**

	Considerations for the calculation	Calculation of the cost	Total
<b>Screening and diagnosis by the ophthalmologist</b>			
Travel expenses	Medical transportation to North Bay (376 km) according to the community's data: \$359.84 Meal expenses: \$20.00	$359.84 + 20.00 = \mathbf{\$379.84}$	\$629.69
Examination expenses	Major eye exam when referred by a general practitioner: \$51.10 Electroretinography: \$54.00	$51.10 + 54.00 = \mathbf{\$105.10}$	
Societal costs	<u>For the patient:</u> Travel time for one-way only: 2 hours Wait time: 1.5 hours Consultation: 1 hour Blurred vision: 4 hours <u>For the escort:</u> Roundtrip travel time: 4 hours Wait time: 1.5 hours Consultation: 1 hour	$(2+1.5+1+4) + (4+1.5+1) \times 9.65 = \mathbf{\$144.75}$	
<b>Follow-up or treatment if necessary</b>			
Travel expenses	Medical transportation to North Bay (376 km) according to the community's data: \$359.84 Meal expenses: \$20.00	$359.84 + 20.00 = \mathbf{\$379.84}$	\$609.59
Examination expenses	Subsequent visit : \$31.00 Electroretinography: \$54.00	$31.00 + 54.00 = \mathbf{\$85.00}$	
Societal costs	<u>For the patient:</u> Travel time for one-way only: 2 hours Wait time: 1.5 hours Consultation: 1 hour Blurred vision: 4 hours <u>For the escort:</u> Roundtrip travel time: 4 hours Wait time: 1.5 hours Consultation: 1 hour	$(2+1.5+1+4) + (4+1.5+1) \times 9.65 = \mathbf{\$144.75}$	
<b>Total of the trajectory</b>			<b>\$1 239.28</b>



**TIMISKAMING - WITHOUT the implementation**

**Scenario 1 - Treatment**

	Considerations for the calculation	Calculation of the cost	Total
<b>Screening and diagnosis by the ophthalmologist</b>			
Travel expenses	Medical transportation to North Bay (376 km) according to the community's data: \$359.84 Meal expenses: \$20.00	$359.84 + 20.00 = \mathbf{\$379.84}$	\$629.69
Examination expenses	Major eye exam when referred by a general practitioner: \$51.10 Electroretinography: \$54.00	$51.10 + 54.00 = \mathbf{\$105.10}$	
Societal costs	<u>For the patient:</u> Travel time for one-way only: 2 hours Wait time: 1.5 hours Consultation : 1 hour Blurred vision: 4 hours <u>For the escort:</u> Roundtrip travel time: 4 hours Wait time: 1.5 hours Consultation : 1 hour	$(2+1.5+1+4) + (4+1.5+1) \times 9.65 = \mathbf{\$144.75}$	
<b>Follow-up or treatment if necessary</b>			
Travel expenses	Medical transportation to North Bay (376 km) according to the community's data: \$359.84 Meal expenses: \$20.00 2 sessions	$359.84 + 20.00 \times 2 = \mathbf{\$759.68}$	\$1 376.08
Examination expenses	Photocoagulation: \$182.75 2 sessions	$182.75 \times 2 = \mathbf{\$365.50}$	
Societal costs	<u>For the patient:</u> Travel time for one-way only: 2 hours Wait time: 0.5 hour Consultation: 1 hour Blurred vision: 4 hours <u>For the escort:</u> Roundtrip travel time: 4 hours Wait time: 0.5 hour Consultation: 1 hour 2 sessions	$(2+0.5+1+4) + (4+0.5+1) \times 9.65 \times 2 = \mathbf{\$250.90}$	
<b>Total of the trajectory</b>			<b>\$2 005.77</b>



**TIMISKAMING - WITHOUT the implementation**

**Scenario 2 – Normal test**

	Considerations for the calculation	Calculation of the cost	Total
<b>Screening by the optometrist</b>			
Travel expenses	Medical transportation to New Liskeard (66 km) according to the community's data: \$69.24	<b>\$69.24</b>	\$371.65
Examination expenses	First exam without pupil dilation: \$127.05 on average Retinal photography: \$105.88	127.05 + 105.88 = <b>\$232.93</b>	
Societal costs	<u>For the patient:</u> Travel time for one-way only: 0.4 hour Wait time: 0.5 hour Consultation: 0.5 hour Blurred vision: 4 hours <u>For the escort:</u> Roundtrip travel time: 0.8 hour Wait time: 0.5 hour Consultation: 0.5 hour	$(0.4+0.5+0.5+4) + (0.8+0.5+0.5) \times 9.65 = \mathbf{\$69.48}$	
<b>Diagnosis by the ophthalmologist</b>			
Travel expenses	-	-	\$0.00
Examination expenses	-	-	
Societal costs	-	-	
<b>Follow-up or treatment if necessary by the ophthalmologist</b>			
Travel expenses	-	-	\$0.00
Examination expenses	-	-	
Societal costs	-	-	
<b>Total of the trajectory</b>			<b>\$371.65</b>



**TIMISKAMING - WITHOUT the implementation**

**Scenario 2 – Reimaging in 4 or 6 months**

	Considerations for the calculation	Calculation of the cost	Total
<b>Screening by the optometrist</b>			
Travel expenses	Medical transportation to New Liskeard (66 km) according to the community's data: \$69.24	<b>\$69.24</b>	<b>\$371.65</b>
Examination expenses	First exam without pupil dilation: \$127.05 on average Retinal photography: \$105.88	127.05 + 105.88 = <b>\$232.93</b>	
Societal costs	<u>For the patient:</u> Travel time for one-way only: 0.4 hour Wait time: 0.5 hour Consultation: 0.5 hour Blurred vision: 4 hours <u>For the escort:</u> Roundtrip travel time: 0.8 hour Wait time: 0.5 hour Consultation: 0.5 hour	$(0.4+0.5+0.5+4) + (0.8+0.5+0.5) \times 9.65 = \mathbf{\$69.48}$	
<b>Diagnosis by the ophthalmologist</b>			
Travel expenses	Medical transportation to North Bay (376 km) according to the community's data: \$359.84 Meal expenses: \$20.00	359.84 + 20.00 = <b>\$379.84</b>	<b>\$660.89</b>
Examination expenses	Optometrist-requested assessment : \$82.30 Electroretinography (includes dilation): \$54.00	82.30 + 54.00 = <b>\$136.30</b>	
Societal costs	<u>For the patient:</u> Travel time for one-way only: 2 hours Wait time: 1.5 hours Consultation: 1 hour Blurred vision: 4 hours <u>For the escort:</u> Roundtrip travel time: 4 hours Wait time: 1.5 hours Consultation: 1 hour	$(2+1.5+1+4) + (4+1.5+1) \times 9.65 = \mathbf{\$144.75}$	
<b>Follow-up or treatment if necessary by the ophthalmologist</b>			
Travel expenses	Medical transportation to North Bay (376 km) according to the community's data: \$359.84 Meal expenses: \$20.00	359.84 + 20.00 = <b>\$379.84</b>	<b>\$609.59</b>
Examination expenses	Subsequent visit : \$31.00 Electroretinography: \$54.00	31.00 + 54.00 = <b>\$85.00</b>	
Societal costs	<u>For the patient:</u> Travel time for one-way only: 2 hours Wait time: 1.5 hours Consultation: 1 hour Blurred vision: 4 hours <u>For the escort:</u> Roundtrip travel time: 4 hours Wait time: 1.5 hours	$(2+1.5+1+4) + (4+1.5+1) \times 9.65 = \mathbf{\$144.75}$	



	Consultation: 1 hour		
Total of the trajectory			\$1 642.13

**TIMISKAMING - WITHOUT the implementation**

**Scenario 2 – Treatment**

Considerations for the calculation		Calculation of the cost	Total
<b>Screening by the optometrist</b>			
Travel expenses	Medical transportation to New Liskeard (66 km) according to the community's data: \$69.24	<b>\$69.24</b>	\$371.65
Examination expenses	First exam without pupil dilation: \$127.05 on average Retinal photography: \$105.88	$127.05 + 105.88 =$ <b>\$232.93</b>	
Societal costs	<u>For the patient:</u> Travel time for one-way only: 0.4 hour Wait time: 0.5 hour Consultation: 0.5 hour Blurred vision: 4 hours <u>For the escort:</u> Roundtrip travel time: 0.8 hour Wait time: 0.5 hour Consultation: 0.5 hour	$(0.4+0.5+0.5+4) + (0.8+0.5+0.5) \times 9.65 =$ <b>\$69.48</b>	
<b>Diagnosis by the ophthalmologist</b>			
Travel expenses	Medical transportation to North Bay (376 km) according to the community's data: \$359.84 Meal expenses: \$20.00	$359.84 + 20.00 =$ <b>\$379.84</b>	\$660.89
Examination expenses	Optometrist-requested assessment : \$82.30 Electroretinography (includes dilation): \$54.00	$82.30 + 54.00 =$ <b>\$136.30</b>	
Societal costs	<u>For the patient:</u> Travel time for one-way only: 2 hours Wait time: 1.5 hours Consultation: 1 hour Blurred vision: 4 hours <u>For the escort:</u> Roundtrip travel time: 4 hours Wait time: 1.5 hours Consultation: 1 hour	$(2+1.5+1+4) + (4+1.5+1) \times 9.65 =$ <b>\$144.75</b>	
<b>Follow-up or treatment if necessary by the ophthalmologist</b>			
Travel expenses	Medical transportation to North Bay (376 km) according to the community's data: \$359.84 Meal expenses: \$20.00 2 sessions	$359.84 + 20.00 \times 2 =$ <b>\$759.68</b>	\$1 376.08
Examination expenses	Photocoagulation: \$182.75 2 sessions	$182.75 \times 2 =$ <b>\$365.50</b>	
Societal costs	<u>For the patient:</u> Travel time for one-way only: 2 hours Wait time: 0.5 hour Consultation: 1 hour Blurred vision: 4 hours <u>For the escort:</u>	$(2+0.5+1+4) + (4+0.5+1) \times 9.65 \times 2 =$ <b>\$250.90</b>	

	Roundtrip travel time: 4 hours Wait time: 0.5 hour Consultation: 1 hour 2 sessions		
Total of the trajectory			\$2 408.62

**TIMISKAMING - WITH the implementation Normal test**

	Considerations for the calculation	Calculation of the cost	Total
Screening and diagnosis by the ophthalmologist			
Travel expenses	-	-	\$172.90
Examination expenses	Analysis fees of the <i>Laboratoires de la Rétine RD</i> : \$115.00	<b>\$115.00</b>	
Societal costs	For the patient: Consultation: 1 hour Blurred vision: 4 hours For the escort: Consultation: 1 hour	$(1+4) + (1) \times 9.65 = \mathbf{\$57.90}$	
Follow-up			
Travel expenses	-	-	\$0.00
Examination expenses	-	-	
Societal costs	-	-	
Treatment			
Travel expenses	-	-	\$0.00
Examination expenses	-	-	
Societal costs	-	-	
Total of the trajectory			\$172.90



**TIMISKAMING - WITH the implementation Reimaging in 4 or 6 months**

	Considerations for the calculation	Calculation of the cost	Total
<b>Screening and diagnosis by the ophthalmologist</b>			
Travel expenses	-	-	
Examination expenses	Analysis fees of the <i>Laboratoires de la Rétine RD</i> : \$115.00	<b>\$115.00</b>	
Societal costs	For the patient: Consultation: 1 hour Blurred vision: 4 hours For the escort: Consultation: 1 hour	$(1+4) + (1) \times 9.65 = \mathbf{\$57.90}$	\$172.90
<b>Follow-up</b>			
Travel expenses	-	-	
Examination expenses	Analysis fees of the <i>Laboratoires de la Rétine RD</i> : \$115.00	<b>\$115.00</b>	
Societal costs	For the patient: Consultation: 1 hour Blurred vision: 4 hours For the escort: Consultation: 1 hour	$(1+4) + (1) \times 9.65 = \mathbf{\$57.90}$	\$172.90
<b>Treatment</b>			
Travel expenses	-	-	
Examination expenses	-	-	\$0.00
Societal costs	-	-	
<b>Total of the trajectory</b>			<b>\$345.80</b>



**TIMISKAMING - WITH the implementation Treatment**

	Considerations for the calculation	Calculation of the cost	Total
Screening and diagnosis by the ophthalmologist			
Travel expenses	-	-	\$172.90
Examination expenses	Analysis fees of the <i>Laboratoires de la Rétine RD</i> : \$115.00	<b>\$115.00</b>	
Societal costs	<u>For the patient:</u> Consultation: 1 hour Blurred vision: 4 hours <u>For the escort:</u> Consultation: 1 hour	$(1+4) + (1) \times 9.65 = \mathbf{\$57.90}$	
Follow-up			
Travel expenses	Medical transportation to North Bay (376 km) according to the community's data: \$359.84 Meal expenses: \$20.00	$359.84 + 20.00 = \mathbf{\$379.84}$	\$660.89
Examination expenses	Optometrist-requested assessment: \$82.30 Electroretinography (includes dilation): \$54.00	$82.30 + 54.00 = \mathbf{\$136.30}$	
Societal costs	<u>For the patient:</u> Travel time for one-way only: 2 hours Wait time: 1.5 hours Consultation: 1 hour Blurred vision: 4 hours <u>For the escort:</u> Roundtrip travel time: 4 hours Wait time: 1.5 hours Consultation: 1 hour	$(2+1.5+1+4) + (4+1.5+1) \times 9.65 = \mathbf{\$144.75}$	
Treatment			
Travel expenses	Medical transportation to North Bay (376 km) according to the community's data: \$359.84 Meal expenses: \$20.00 2 sessions	$359.84 + 20.00 \times 2 = \mathbf{\$759.68}$	\$1 376.08



Examination expenses	Photocoagulation: \$182.75 2 sessions	$182.75 \times 2 = \mathbf{\$365.50}$	
Societal costs	<u>For the patient:</u> Travel time for one-way only: 2 hours Wait time: 0.5 hour Consultation: 1 hour Blurred vision: 4 hours <u>For the escort:</u> Roundtrip travel time: 4 hours Wait time: 0.5 hour Consultation: 1 hour 2 sessions	$(2+0.5+1+4) + (4+0.5+1) \times 9.65 \times 2 = \mathbf{\$250.90}$	
Total of the trajectory			\$2 209.87



**WOLF LAKE - WITHOUT the implementation**

**Scenario 1 - Normal test**

	Considerations for the calculation	Calculation of the cost	Total
<b>Screening and diagnosis by the ophthalmologist</b>			
Travel expenses	North Bay: 134 km Roundtrip travel time: 2.5 hours Wait time for the driver: 2.5 hours Meal expenses: \$20.00	$(134 \times 0.50) + (5 \times 16.00) + 20.00 = \mathbf{\$167.00}$	\$395.14
Examination expenses	Major eye exam when referred by a general practitioner: \$51.10 Electroretinography: \$54.00	$51.10 + 54.00 = \mathbf{\$105.10}$	
Societal costs	<u>For the patient:</u> Travel time for one-way only: 1.25 hours Wait time: 1.5 hours Consultation: 1 hour Blurred vision: 4 hours <u>For the escort:</u> Roundtrip travel time: 2.5 hours Wait time: 1.5 hours Consultation: 1 hour	$(1.25+1.5+1+4) + (2.5+1.5+1) \times 9.65 = \mathbf{\$123.04}$	
<b>Follow-up or treatment if necessary</b>			
Travel expenses	-	-	\$0.00
Examination expenses	-	-	
Societal costs	-	-	
<b>Total of the trajectory</b>			<b>\$395.14</b>



**WOLF LAKE - WITHOUT the implementation**

**Scenario 1 - Reimaging in 4 or 6 months**

	Considerations for the calculation	Calculation of the cost	Total
<b>Screening and diagnosis by the ophthalmologist</b>			
Travel expenses	North Bay: 134 km Roundtrip travel time: 2.5 hours Wait time for the driver: 2.5 hours Meal expenses: \$20.00	$(134 \times 0.50) + (5 \times 16.00) + 20.00 = \mathbf{\$167.00}$	\$395.14
Examination expenses	Major eye exam when referred by a general practitioner: \$51.10 Electroretinography: \$54.00	$51.10 + 54.00 = \mathbf{\$105.10}$	
Societal costs	<u>For the patient:</u> Travel time for one-way only: 1.25 hours Wait time: 1.5 hours Consultation: 1 hour Blurred vision: 4 hours <u>For the escort:</u> Roundtrip travel time: 2.5 hours Wait time: 1.5 hours Consultation: 1 hour	$(1.25+1.5+1+4) + (2.5+1.5+1) \times 9.65 = \mathbf{\$123.04}$	
<b>Follow-up or treatment if necessary</b>			
Travel expenses	North Bay: 134 km Roundtrip travel time: 2.5 hours Wait time for the driver: 2.5 hours Meal expenses: \$20.00	$(134 \times 0.50) + (5 \times 16.00) + 20.00 = \mathbf{\$167.00}$	\$375.04
Examination expenses	Subsequent visit : \$31.00 Electroretinography: \$54.00	$31.00 + 54.00 = \mathbf{\$85.00}$	
Societal costs	<u>For the patient:</u> Travel time for one-way only: 1.25 hours Wait time: 1.5 hours Consultation: 1 hour Blurred vision: 4 hours <u>For the escort:</u> Roundtrip travel time: 2.5 hours Wait time: 1.5 hours Consultation: 1 hour	$(1.25+1.5+1+4) + (2.5+1.5+1) \times 9.65 = \mathbf{\$123.04}$	
<b>Total of the trajectory</b>			<b>\$770.18</b>



**WOLF LAKE - WITHOUT the implementation**

**Scenario 1 - Treatment**

Considerations for the calculation		Calculation of the cost	Total
<b>Screening and diagnosis by the ophthalmologist</b>			
Travel expenses	North Bay: 134 km Roundtrip travel time: 2.5 hours Wait time for the driver: 2.5 hours Meal expenses: \$20.00	$(134 \times 0.50) + (5 \times 16.00) + 20.00 = \mathbf{\$167.00}$	\$395.14
Examination expenses	Major eye exam when referred by a general practitioner: \$51.10 Electroretinography: \$54.00	$51.10 + 54.00 = \mathbf{\$105.10}$	
Societal costs	<u>For the patient:</u> Travel time for one-way only: 1.25 hours Wait time: 1.5 hours Consultation: 1 hour Blurred vision: 4 hours <u>For the escort:</u> Roundtrip travel time: 2.5 hours Wait time: 1.5 hours Consultation: 1 hour	$(1.25+1.5+1+4) + (2.5+1.5+1) \times 9.65 = \mathbf{\$123.04}$	
<b>Follow-up or treatment if necessary</b>			
Travel expenses	North Bay: 134 km Roundtrip travel time: 2.5 hours Wait time for the driver: 1.5 hours Meal expenses: \$20.00 2 sessions	$(134 \times 0.50) + (4 \times 16.00) + 20.00 \times 2 = \mathbf{\$302.00}$	\$874.98
Examination expenses	Photocoagulation: \$182.75 2 sessions	$182.75 \times 2 = \mathbf{\$365.50}$	
Societal costs	<u>For the patient:</u> Travel time for one-way only: 1.25 hours Wait time: 0.5 hour Consultation: 1 hour Blurred vision: 4 hours <u>For the escort:</u> Roundtrip travel time: 2.5 hours Wait time: 0.5 hour Consultation: 1 hour 2 sessions	$(1.25+0.5+1+4) + (2.5+0.5+1) \times 9.65 \times 2 = \mathbf{\$207.48}$	
<b>Total of the trajectory</b>			<b>\$1 270.12</b>



**WOLF LAKE - WITHOUT the implementation**

**Scenario 2 – Normal test**

	Considerations for the calculation	Calculation of the cost	Total
<b>Screening by the optometrist</b>			
Travel expenses	North Bay: 134 km Roundtrip travel time: 2.5 hours Wait time for the driver: 1 hour Meal expenses: \$20.00	$(134 \times 0.50) + (3.5 \times 16.00) + 20.00 = \mathbf{\$143.00}$	\$470.02
Examination expenses	First exam without pupil dilation: \$127.05 on average Retinal photography: \$105.88	$127.05 + 105.88 = \mathbf{\$232.93}$	
Societal costs	<u>For the patient:</u> Travel time for one-way only: 1.25 hours Wait time: 0.5 hour Consultation: 0.5 hour Blurred vision: 4 hours <u>For the escort:</u> Roundtrip travel time: 2.5 hours Wait time: 0.5 hour Consultation: 0.5 hour	$(1.25+0.5+0.5+4) + (2.5+0.5+0.5) \times 9.65 = \mathbf{\$94.09}$	
<b>Diagnosis by the ophthalmologist</b>			
Travel expenses	-	-	\$0.00
Examination expenses	-	-	
Societal costs	-	-	
<b>Follow-up or treatment if necessary by the ophthalmologist</b>			
Travel expenses	-	-	\$0.00
Examination expenses	-	-	
Societal costs	-	-	
<b>Total of the trajectory</b>			<b>\$470.02</b>



**WOLF LAKE - WITHOUT the implementation**

**Scenario 2 – Reimaging in 4 or 6 months**

	Considerations for the calculation	Calculation of the cost	Total
<b>Screening by the optometrist</b>			
Travel expenses	North Bay: 134 km Roundtrip travel time: 2.5 hours Wait time for the driver: 1 hour Meal expenses: \$20.00	$(134 \times 0.50) + (3.5 \times 16.00) + 20.00 = \mathbf{\$143.00}$	\$470.02
Examination expenses	First exam without pupil dilation: \$127.05 on average Retinal photography: \$105.88	$127.05 + 105.88 = \mathbf{\$232.93}$	
Societal costs	<u>For the patient:</u> Travel time for one-way only: 1.25 hours Wait time: 0.5 hour Consultation: 0.5 hour Blurred vision: 4 hours <u>For the escort:</u> Roundtrip travel time: 2.5 hours Wait time: 0.5 hour Consultation: 0.5 hour	$(1.25+0.5+0.5+4) + (2.5+0.5+0.5) \times 9.65 = \mathbf{\$94.09}$	
<b>Diagnosis by the ophthalmologist</b>			
Travel expenses	North Bay: 134 km Roundtrip travel time: 2.5 hours Wait time for the driver: 2.5 hours Meal expenses: \$20.00	$(134 \times 0.50) + (5 \times 16.00) + 20.00 = \mathbf{\$167.00}$	\$426.34
Examination expenses	Optometrist-requested assessment: \$82.30 Electroretinography (includes dilation): \$54.00	$82.30 + 54.00 = \mathbf{\$136.30}$	
Societal costs	<u>For the patient:</u> Travel time for one-way only: 1.25 hours Wait time: 1.5 hours Consultation: 1 hour Blurred vision: 4 hours <u>For the escort:</u> Roundtrip travel time: 2.5 hours Wait time: 1.5 hours Consultation: 1 hour	$(1.25+1.5+1+4) + (2.5+1.5+1) \times 9.65 = \mathbf{\$123.04}$	
<b>Follow-up or treatment if necessary by the ophthalmologist</b>			
Travel expenses	North Bay: 134 km Roundtrip travel time: 2.5 hours Wait time for the driver: 2.5 hours Meal expenses: \$20.00	$(134 \times 0.50) + (5 \times 16.00) + 20.00 = \mathbf{\$167.00}$	\$375.04
Examination expenses	Subsequent visit : \$31.00 + Electroretinography: \$54.00	$31.00 + 54.00 = \mathbf{\$85.00}$	
Societal costs	<u>For the patient:</u> Travel time for one-way only: 1.25 hours Wait time: 1.5 hours Consultation: 1 hour Blurred vision: 4 hours <u>For the escort:</u> Roundtrip travel time: 2.5 hours Wait time: 1.5 hours	$(1.25+1.5+1+4) + (2.5+1.5+1) \times 9.65 = \mathbf{\$123.04}$	

	Consultation: 1 hour		
Total of the trajectory			\$1 271.40

**WOLF LAKE - WITHOUT the implementation Scenario 2 – Treatment**

	Considerations for the calculation	Calculation of the cost	Total
<b>Screening by the optometrist</b>			
Travel expenses	North Bay: 134 km Roundtrip travel time: 2.5 hours Wait time for the driver: 1 hour Meal expenses: \$20.00	$(134 \times 0.50) + (3.5 \times 16.00) + 20.00 = \mathbf{\$143.00}$	\$470.02
Examination expenses	First exam without pupil dilation: \$127.05 on average Retinal photography: \$105.88	$127.05 + 105.88 = \mathbf{\$232.93}$	
Societal costs	<u>For the patient:</u> Travel time for one-way only: 1.25 hours Wait time: 0.5 hour Consultation: 0.5 hour Blurred vision: 4 hours <u>For the escort:</u> Roundtrip travel time: 2.5 hours Wait time: 0.5 hour Consultation: 0.5 hour	$(1.25+0.5+0.5+4) + (2.5+0.5+0.5) \times 9.65 = \mathbf{\$94.09}$	
<b>Diagnosis by the ophthalmologist</b>			
Travel expenses	North Bay: 134 km Roundtrip travel time: 2.5 hours Wait time for the driver: 2.5 hours Meal expenses: \$20.00	$(134 \times 0.50) + (5 \times 16.00) + 20.00 = \mathbf{\$167.00}$	\$426.34
Examination expenses	Optometrist-requested assessment: \$82.30 Electroretinography (includes dilation) : \$54.00	$82.30 + 54.00 = \mathbf{\$136.30}$	
Societal costs	<u>For the patient:</u> Travel time for one-way only: 1.25 hours Wait time: 1.5 hours Consultation: 1 hour Blurred vision: 4 hours <u>For the escort:</u> Roundtrip travel time: 2.5 hours Wait time: 1.5 hours Consultation: 1 hour	$(1.25+1.5+1+4) + (2.5+1.5+1) \times 9.65 = \mathbf{\$123.04}$	
<b>Follow-up or treatment if necessary by the ophthalmologist</b>			
Travel expenses	North Bay: 134 km – 2 sessions Roundtrip travel time: 2.5 hours Wait time for the driver: 1.5 hours Meal expenses: \$20.00	$(134 \times 0.50) + (4 \times 16.00) + 20.00 \times 2 = \mathbf{\$302.00}$	\$874.98
Examination expenses	Photocoagulation: \$182.75 - 2 sessions	$182.75 \times 2 = \mathbf{\$365.50}$	
Societal costs	<u>For the patient:</u> Travel time for one-way only: 1.25 hours Wait time: 0.5 hour Consultation: 1 hour	$(1.25+0.5+1+4) + (2.5+0.5+1) \times 9.65 \times 2 = \mathbf{\$207.48}$	

	Blurred vision: 4 hours For the escort: Roundtrip travel time: 2.5 hours Wait time: 0.5 hour Consultation: 1 hour		
Total of the trajectory			\$1771.34

**WOLF LAKE - WITH the implementation**

**Normal test**

	Considerations for the calculation	Calculation of the cost	Total
Screening and diagnosis by the ophthalmologist			
Travel expenses	Eagle Village: 32 km Roundtrip travel time: 1 hour Wait time for the driver: 1 hour	$(32 \times 0.50) + (2 \times 16.00) = \mathbf{\$48.00}$	\$235.38
Examination expenses	Analysis fees of the <i>Laboratoires de la Rétine RD</i> : \$115.00	<b>\$115.00</b>	
Societal costs	For the patient: Travel time for one-way only: 0.5 hour Consultation: 1 hour Blurred vision: 4 hours For the escort: Roundtrip travel time: 1 hour Consultation: 1 hour	$(0.5+1+4) + (1+1) \times 9.65 = \mathbf{\$72.38}$	
Follow-up			
Travel expenses	-	-	\$0.00
Examination expenses	-	-	
Societal costs	-	-	
Treatment			
Travel expenses	-	-	\$0.00
Examination expenses	-	-	
Societal costs	-	-	
Total of the trajectory			\$235.38



**WOLF LAKE - WITH the implementation**

**Reimaging in 4 or 6 months**

Considerations for the calculation		Calculation of the cost	Total
Screening and diagnosis by the ophthalmologist			
Travel expenses	Eagle Village: 32 km Roundtrip travel time: 1 hour Wait time for the driver: 1 hour	$(32 \times 0.50) + (2 \times 16.00) = \mathbf{\$48.00}$	\$235.38
Examination expenses	Analysis fees of the <i>Laboratoires de la Rétine RD</i> : \$115.00	<b>\$115.00</b>	
Societal costs	<u>For the patient:</u> Travel time for one-way only: 0.5 hour Consultation: 1 hour Blurred vision: 4 hours <u>For the escort:</u> Roundtrip travel time: 1 hour Consultation: 1 hour	$(0.5+1+4) + (1+1) \times 9.65 = \mathbf{\$72.38}$	
Follow-up			
Travel expenses	Eagle Village: 32 km Roundtrip travel time: 1 hour Wait time for the driver: 1 hour	$(32 \times 0.50) + (2 \times 16.00) = \mathbf{\$48.00}$	\$235.38
Examination expenses	Analysis fees of the <i>Laboratoires de la Rétine RD</i> : \$115.00	<b>\$115.00</b>	
Societal costs	<u>For the patient:</u> Travel time for one-way only: 0.5 hour Consultation: 1 hour Blurred vision: 4 hours <u>For the escort:</u> Roundtrip travel time: 1 hour Consultation: 1 hour	$(0.5+1+4) + (1+1) \times 9.65 = \mathbf{\$72.38}$	
Treatment			
Travel expenses	-	-	\$0.00
Examination expenses	-	-	
Societal costs	-	-	
Total of the trajectory			<b>\$470.76</b>





**WOLF LAKE - WITH the implementation**

**Treatment**

	Considerations for the calculation	Calculation of the cost	Total
<b>Screening and diagnosis by the ophthalmologist</b>			
Travel expenses	Eagle Village: 32 km Roundtrip travel time: 1 hour Wait time for the driver: 1 hour	$(32 \times 0.50) + (2 \times 16.00) = \mathbf{\$48.00}$	\$235.38
Examination expenses	Analysis fees of the <i>Laboratoires de la Rétine RD</i> : \$115.00	<b>\$115.00</b>	
Societal costs	<u>For the patient:</u> Travel time for one-way only: 0.5 hour Consultation: 1 hour Blurred vision: 4 hours <u>For the escort:</u> Roundtrip travel time: 1 hour Consultation: 1 hour	$(0.5+1+4) + (1+1) \times 9.65 = \mathbf{\$72.38}$	
<b>Follow-up</b>			
Travel expenses	North Bay: 134 km Roundtrip travel time: 2.5 hours Wait time for the driver: 2.5 hours Meal expenses: \$20.00	$(134 \times 0.50) + (5 \times 16.00) + 20.00 = \mathbf{\$167.00}$	\$426.34
Examination expenses	Optometrist-requested assessment: \$82.30 Electroretinography (includes dilation): \$54.00	$82.30 + 54.00 = \mathbf{\$136.30}$	
Societal costs	<u>For the patient:</u> Travel time for one-way only: 1.25 hours Wait time: 1.5 hours Consultation: 1 hour Blurred vision: 4 hours <u>For the escort:</u> Roundtrip travel time: 2.5 hours Wait time: 1.5 hours Consultation: 1 hour	$(1.25+1.5+1+4) + (2.5+1.5+1) \times 9.65 = \mathbf{\$123.04}$	
<b>Treatment</b>			
Travel expenses	North Bay: 134 km Roundtrip travel time: 2.5 hours Wait time for the driver: 1.5 hours Meal expenses: \$20.00 2 sessions	$(134 \times 0.50) + (4 \times 16.00) + 20.00 \times 2 = \mathbf{\$302.00}$	\$874.98
Examination expenses	Photocoagulation: \$182.75 - 2 sessions	$182.75 \times 2 = \mathbf{\$365.50}$	
Societal costs	<u>For the patient:</u> Travel time for one-way only: 1.25 hours Wait time: 0.5 hour Consultation: 1 hour Blurred vision: 4 hours <u>For the escort:</u> Roundtrip travel time: 2.5 hours Wait time: 0.5 hour Consultation: 1 hour 2 sessions	$(1.25+0.5+1+4) + (2.5+0.5+1) \times 9.65 \times 2 = \mathbf{\$207.48}$	
<b>Total of the trajectory</b>			<b>\$1 536.70</b>



**WINNEWAY - WITHOUT the implementation**

**Scenario 1 - Normal test**

	Considerations for the calculation	Calculation of the cost	Total
<b>Screening and diagnosis by the ophthalmologist</b>			
Travel expenses	Ville-Marie: 204 km Roundtrip travel time: 2.5 hours Wait time for the driver: 2.5 hours Meal expenses: \$20.00	$(204 \times 0.50) + (5 \times 18.54) + 20.00 = \mathbf{\$214.70}$	\$407.74
Examination expenses	Main visit: \$56.50 Retinal photography: \$13.50	$56.50 + 13.50 = \mathbf{\$70.00}$	
Societal costs	<u>For the patient:</u> Travel time for one-way only: 1.25 hours Wait time: 1.5 hours Consultation: 1 hour Blurred vision: 4 hours <u>For the escort:</u> Roundtrip travel time: 2.5 hours Wait time: 1.5 hours Consultation: 1 hour	$(1.25+1.5+1+4) + (2.5+1.5+1) \times 9.65 = \mathbf{\$123.04}$	
<b>Follow-up or treatment if necessary</b>			
Travel expenses	-	-	\$0.00
Examination expenses	-	-	
Societal costs	-	-	
<b>Total of the trajectory</b>			<b>\$407.74</b>



**WINNEWAY - WITHOUT the implementation**

**Scenario 1 - Reimaging in 4 or 6 months**

Considerations for the calculation		Calculation of the cost	Total
<b>Screening and diagnosis by the ophthalmologist</b>			
Travel expenses	Ville-Marie: 204 km Roundtrip travel time: 2.5 hours Wait time for the driver: 2.5 hours Meal expenses: \$20.00	$(204 \times 0.50) + (5 \times 18.54) + 20.00 = \mathbf{\$214.70}$	\$407.74
Examination expenses	Main visit: \$56.50 Retinal photography: \$13.50	$56.50 + 13.50 = \mathbf{\$70.00}$	
Societal costs	<u>For the patient:</u> Travel time for one-way only: 1.25 hours Wait time: 1.5 hours Consultation: 1 hour Blurred vision: 4 hours <u>For the escort:</u> Roundtrip travel time: 2.5 hours Wait time: 1.5 hours Consultation: 1 hour	$(1.25+1.5+1+4) + (2.5+1.5+1) \times 9.65 = \mathbf{\$123.04}$	
<b>Follow-up or treatment if necessary</b>			
Travel expenses	Ville-Marie: 204 km Roundtrip travel time: 2.5 hours Wait time for the driver: 2.5 hours Meal expenses: \$20.00	$(204 \times 0.50) + (5 \times 18.54) + 20.00 = \mathbf{\$214.70}$	\$383.50
Examination expenses	Monitoring visit: \$32.26 Retinal photography: \$13.50	$32.26 + 13.50 = \mathbf{\$45.76}$	
Societal costs	<u>For the patient:</u> Travel time for one-way only: 1.25 hours Wait time: 1.5 hours Consultation: 1 hour Blurred vision: 4 hours <u>For the escort:</u> Roundtrip travel time: 2.5 hours Wait time: 1.5 hours Consultation: 1 hour	$(1.25+1.5+1+4) + (2.5+1.5+1) \times 9.65 = \mathbf{\$123.04}$	
<b>Total of the trajectory</b>			<b>\$791.24</b>



**WINNEWAY - WITHOUT the implementation**

**Scenario 1 - Treatment**

Considerations for the calculation		Calculation of the cost	Total
<b>Screening and diagnosis by the ophthalmologist</b>			
Travel expenses	Ville-Marie: 204 km Roundtrip travel time: 2.5 hours Wait time for the driver: 2.5 hours Meal expenses: \$20.00	$(204 \times 0.50) + (5 \times 18.54) + 20.00 =$ <b>\$214.70</b>	\$407.74
Examination expenses	Main visit: \$56.50 Retinal photography: \$13.50	$56.50 + 13.50 =$ <b>\$70.00</b>	
Societal costs	<u>For the patient:</u> Travel time for one-way only: 1.25 hours Wait time: 1.5 hours Consultation: 1 hour Blurred vision: 4 hours <u>For the escort:</u> Roundtrip travel time: 2.5 hours Wait time: 1.5 hours Consultation: 1 hour	$(1.25+1.5+1+4) + (2.5+1.5+1) \times 9.65 =$ <b>\$123.04</b>	
<b>Follow-up or treatment if necessary</b>			
Travel expenses	Rouyn-Noranda: 432 km Roundtrip travel time: 5 hours Wait time for the driver: 2.5 hours Meal expenses: \$20.00 2 sessions	$(432 \times 0.50) + (7.5 \times 18.54) + 20.00 \times 2 =$ <b>\$750.10</b>	\$1 873.95
Examination expenses	Treatment: \$422.00 2 sessions	$422.00 \times 2 =$ <b>\$844.00</b>	
Societal costs	<u>For the patient:</u> Travel time for one-way only: 2.5 hours Wait time: 0.5 hour Consultation: 1 hour Blurred vision: 4 hours <u>For the escort:</u> Roundtrip travel time: 5 hours Wait time: 0.5 hour Consultation: 1 hour 2 sessions	$(2.5+0.5+1+4) + (5+0.5+1) \times 9.65 \times 2 =$ <b>\$279.85</b>	
<b>Total of the trajectory</b>			<b>\$2 281.69</b>



**WINNEWAY - WITHOUT the implementation**

**Scenario 2 – Normal test**

	Considerations for the calculation	Calculation of the cost	Total
<b>Screening by the optometrist</b>			
Travel expenses	New Liskeard: 280 km Roundtrip travel time: 4.5 hours Wait time for the driver: 1 hour Meal expenses: \$20.00	$(280 \times 0.50) + (5.5 \times 18.54) + 20.00 = \mathbf{\$261.97}$	\$617.94
Examination expenses	First exam without pupil dilation: \$127.05 on average Retinal photography: \$105.88	$127.05 + 105.88 = \mathbf{\$232.93}$	
Societal costs	<u>For the patient:</u> Travel time for one-way only: 2.25 hours Wait time: 0.5 hour Consultation: 0.5 hour Blurred vision: 4 hours <u>For the escort:</u> Roundtrip travel time: 4.5 hours Wait time: 0.5 hour Consultation: 0.5 hour	$(2.25+0.5+0.5+4) + (4.5+0.5+0.5) \times 9.65 = \mathbf{\$123.04}$	
<b>Diagnosis by the ophthalmologist</b>			
Travel expenses	-	-	\$0.00
Examination expenses	-	-	
Societal costs	-	-	
<b>Follow-up or treatment if necessary by the ophthalmologist</b>			
Travel expenses	-	-	\$0.00
Examination expenses	-	-	
Societal costs	-	-	
<b>Total of the trajectory</b>			<b>\$617.94</b>





**WINNEWAY - WITHOUT the implementation**

**Scenario 2 – Reimaging in 4 or 6 months**

Considerations for the calculation		Calculation of the cost	Total
<b>Screening by the optometrist</b>			
Travel expenses	New Liskeard: 280 km Roundtrip travel time: 4.5 hours Wait time for the driver: 1 hour Meal expenses: \$20.00	$(280 \times 0.50) + (5.5 \times 18.54) + 20.00 = \mathbf{\$261.97}$	\$617.94
Examination expenses	First exam without pupil dilation: \$127.05 on average Retinal photography: \$105.88	$127.05 + 105.88 = \mathbf{\$232.93}$	
Societal costs	<u>For the patient:</u> Travel time for one-way only: 2.25 hours Wait time: 0.5 hour Consultation: 0.5 hour Blurred vision: 4 hours <u>For the escort:</u> Roundtrip travel time: 4.5 hours Wait time: 0.5 hour Consultation: 0.5 hour	$(2.25+0.5+0.5+4) + (4.5+0.5+0.5) \times 9.65 = \mathbf{\$123.04}$	
<b>Diagnosis by the ophthalmologist</b>			
Travel expenses	Ville-Marie: 204 km Roundtrip travel time: 2.5 hours Wait time for the driver: 2.5 hours Meal expenses: \$20.00	$(204 \times 0.50) + (5 \times 18.54) + 20.00 = \mathbf{\$214.70}$	\$418.94
Examination expenses	Optometrist-requested assessment: \$67.70 Retinal photography: \$13.50	$67.70 + 13.50 = \mathbf{\$81.20}$	
Societal costs	<u>For the patient:</u> Travel time for one-way only: 1.25 hours Wait time: 1.5 hours Consultation: 1 hour Blurred vision: 4 hours <u>For the escort:</u> Roundtrip travel time: 2.5 hours Wait time: 1.5 hours Consultation: 1 hour	$(1.25+1.5+1+4) + (2.5+1.5+1) \times 9.65 = \mathbf{\$123.04}$	
<b>Follow-up or treatment if necessary by the ophthalmologist</b>			
Travel expenses	Ville-Marie: 204 km Roundtrip travel time: 2.5 hours Wait time for the driver: 2.5 hours Meal expenses: \$20.00	$(204 \times 0.50) + (5 \times 18.54) + 20.00 = \mathbf{\$214.70}$	\$383.50
Examination expenses	Monitoring visit: \$32.26 + Retinal photography: \$13.50	$32.26 + 13.50 = \mathbf{\$45.76}$	
Societal costs	<u>For the patient:</u> Travel time for one-way only: 1.25 hours Wait time: 1.5 hours Consultation: 1 hour Blurred vision: 4 hours <u>For the escort:</u> Roundtrip travel time: 2.5 hours Wait time: 1.5 hours	$(1.25+1.5+1+4) + (2.5+1.5+1) \times 9.65 = \mathbf{\$123.04}$	

	Consultation: 1 hour		
Total of the trajectory			\$1 420.38

**WINNEWAY - WITHOUT the implementation Scenario 2 – Treatment**

	Considerations for the calculation	Calculation of the cost	Total
<b>Screening by the optometrist</b>			
Travel expenses	New Liskeard: 280 km Roundtrip travel time: 4.5 hours Wait time for the driver: 1 hour Meal expenses: \$20.00	$(280 \times 0.50) + (5.5 \times 18.54) + 20.00 = \mathbf{\$261.97}$	\$617.94
Examination expenses	First exam without pupil dilation: \$127.05 on average Retinal photography: \$105.88	$127.05 + 105.88 = \mathbf{\$232.93}$	
Societal costs	<u>For the patient:</u> Travel time for one-way only: 2.25 hours Wait time: 0.5 hour Consultation: 0.5 hour Blurred vision: 4 hours <u>For the escort:</u> Roundtrip travel time: 4.5 hours Wait time: 0.5 hour Consultation: 0.5 hour	$(2.25+0.5+0.5+4) + (4.5+0.5+0.5) \times 9.65 = \mathbf{\$123.04}$	
<b>Diagnosis by the ophthalmologist</b>			
Travel expenses	Ville-Marie: 204 km Roundtrip travel time: 2.5 hours Wait time for the driver: 2.5 hours Meal expenses: \$20.00	$(204 \times 0.50) + (5 \times 18.54) + 20.00 = \mathbf{\$214.70}$	\$418.94
Examination expenses	Optometrist-requested assessment: \$67.70 Retinal photography: \$13.50	$67.70 + 13.50 = \mathbf{\$81.20}$	
Societal costs	<u>For the patient:</u> Travel time for one-way only: 1.25 hours Wait time: 1.5 hours Consultation: 1 hour Blurred vision: 4 hours <u>For the escort:</u> Roundtrip travel time: 2.5 hours Wait time: 1.5 hours Consultation: 1 hour	$(1.25+1.5+1+4) + (2.5+1.5+1) \times 9.65 = \mathbf{\$123.04}$	
<b>Follow-up or treatment if necessary by the ophthalmologist</b>			
Travel expenses	Rouyn-Noranda: 432 km – 2 sessions Roundtrip travel time: 5 hours Wait time for the driver: 2.5 hours Meal expenses: \$20.00	$(432 \times 0.50) + (7.5 \times 18.54) + 20.00 \times 2 = \mathbf{\$750.10}$	\$1 873.95
Examination expenses	Treatment: \$422.00 - 2 sessions	$422.00 \times 2 = \mathbf{\$844.00}$	
Societal costs	<u>For the patient:</u> Travel time for one-way only: 2.5 hours Wait time: 0.5 hour Consultation: 1 hour	$(2.5+0.5+1+4) + (5+0.5+1) \times 9.65 \times 2 = \mathbf{\$279.85}$	

	Blurred vision: 4 hours For the escort: Roundtrip travel time: 5 hours Wait time: 0.5 hour Consultation: 1 hour		
Total of the trajectory			\$2901.83

**WINNEWAY - WITH the implementation**

**Normal test**

	Considerations for the calculation	Calculation of the cost	Total
Screening and diagnosis by the ophthalmologist			
Travel expenses	-	-	\$172.90
Examination expenses	Analysis fees of the <i>Laboratoires de la Rétine RD</i> : \$115.00	<b>\$115.00</b>	
Societal costs	For the patient: Consultation: 1 hour Blurred vision: 4 hours For the escort: Consultation: 1 hour	$(1+4) + (1) \times 9.65 = \mathbf{\$57.90}$	
Follow-up			
Travel expenses	-	-	\$0.00
Examination expenses	-	-	
Societal costs	-	-	
Treatment			
Travel expenses	-	-	\$0.00
Examination expenses	-	-	
Societal costs	-	-	
Total of the trajectory			\$172.90



**WINNEWAY - WITH the implementation**

**Reimaging in 4 or 6 months**

	Considerations for the calculation	Calculation of the cost	Total
<b>Screening and diagnosis by the ophthalmologist</b>			
Travel expenses	-	-	
Examination expenses	Analysis fees of the <i>Laboratoires de la Rétine RD</i> : \$115.00	<b>\$115.00</b>	
Societal costs	For the patient: Consultation: 1 hour Blurred vision: 4 hours For the escort: Consultation: 1 hour	$(1+4) + (1) \times 9.65 = \mathbf{\$57.90}$	\$172.90
<b>Follow-up</b>			
Travel expenses	-	-	
Examination expenses	Analysis fees of the <i>Laboratoires de la Rétine RD</i> : \$115.00	<b>\$115.00</b>	
Societal costs	For the patient: Consultation: 1 hour Blurred vision: 4 hours For the escort: Consultation: 1 hour	$(1+4) + (1) \times 9.65 = \mathbf{\$57.90}$	\$172.90
<b>Treatment</b>			
Travel expenses	-	-	
Examination expenses	-	-	\$0.00
Societal costs	-	-	
<b>Total of the trajectory</b>			<b>\$345.80</b>



**WINNEWAY - WITH the implementation**

**Treatment**

	Considerations for the calculation	Calculation of the cost	Total
Screening and diagnosis by the ophthalmologist			
Travel expenses	-	-	\$172.90
Examination expenses	Analysis fees of the <i>Laboratoires de la Rétine RD</i> : \$115.00	<b>\$115.00</b>	
Societal costs	For the patient: Consultation: 1 hour Blurred vision: 4 hours For the escort: Consultation: 1 hour	$(1+4) + (1) \times 9.65 = \mathbf{\$57.90}$	
Follow-up			
Travel expenses	Ville-Marie: 204 km Roundtrip travel time: 2.5 hours Wait time for the driver: 2.5 hours Meal expenses: \$20.00	$(204 \times 0.50) + (5 \times 18.54) + 20.00 = \mathbf{\$214.70}$	\$418.94
Examination expenses	Optometrist-requested assessment: \$67.70 Retinal photography: \$13.50	$67.70 + 13.50 = \mathbf{\$81.20}$	
Societal costs	For the patient: Travel time for one-way only: 1.5 hours Wait time: 1.5 hours Consultation: 1 hour Blurred vision: 4 hours For the escort: Roundtrip travel time: 2.5 hours Wait time: 1.5 hours Consultation: 1 hour	$(1.25+1.5+1+4) + (2.5+1.5+1) \times 9.65 = \mathbf{\$123.04}$	
Treatment			
Travel expenses	Rouyn-Noranda: 432 km Roundtrip travel time: 5 hours Wait time for the driver: 2.5 hours Meal expenses: \$20.00	$(432 \times 0.50) + (7.5 \times 18.54) + 20.00 \times 2 =$ <b>\$750.10</b>	\$1 873.95

	2 sessions		
Examination expenses	Treatment: \$422.00 - 2 sessions	$422.00 \times 2 =$	<b>\$844.00</b>
Societal costs	<u>For the patient:</u> Travel time for one-way only: 2.5 hours Wait time: 0.5 hour Consultation: 1 hour Blurred vision: 4 hours <u>For the escort:</u> Roundtrip travel time: 5 hours Wait time: 0.5 hour Consultation: 1 hour 2 sessions	$(2.5+0.5+1+4) + (5+0.5+1) \times 9.65 \times 2 =$	<b>\$279.85</b>
Total of the trajectory			\$2 465.79



