



**NORTHERN**  
**e·BIZ CENTRE**

**Manitoba Research Alliance on Community Economic  
Development in the New Economy**

***Information Technology Summary Report***

***March 2004***



**North Central  
Development**

**PO Box 1208, 3 Station Road,  
Thompson, Manitoba, R8N 1P1  
204-677-1490**

# **Manitoba Research Alliance on Community Economic Development in the New Economy**

*Impact of Information Technology on community economic development processes in Northern Manitoban Communities  
Research Report*

Created for

**Northern e- Biz Centre and Manitoba Research Alliance**

Created by

**Northern e- Biz Centre and North Central Development**

Malcolm Cook – Student Researcher, University of Manitoba

Tim Johnston – North Central Development, Manager

Maxine Larway – e – Biz Centre, Manager



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## **Executive Summary**

With the onslaught of changing technology and today's information usage, northern Manitoba is experiencing a feeling of alienation and change. The speed of information gathering keeps changing overnight and the technological advancement is continuously upgrading. Thus the north is experiencing a perception of getting on board with this changing way. The study of information technology has not been new to the north, but not in the area of barriers to technological advancement. The issue of examining measurable impacts that are present in the north is seen as most the effective strategy to gathering this information.

The purpose of this study is to conduct research on the current state of information technology and it's application in northern Manitoba. In order to develop a more complete and accurate understanding of the situation it is necessary to identify best practices for future planning processes.

It is important to note that the information gathered during the delivery of this research project is critical in assisting the Northern e-Biz Centre develop future programming to meet the needs of northern Manitobans. Lack of financial and human resources has prevented this type of study from being conducted in the past. The findings will not only provide a more accurate picture of the state of information technology in northern Manitoban communities, but will also provide solid information on which to base future programs and services, improve delivery methods, better engage the individual and ensure long term sustainability.

## **Project Sponsor**

The Northern e-Biz Centre opened its doors in the winter of 2001 and is a subsidiary of North Central Development, a Community Futures Development Corporation. The formation of the Northern e-Biz Centre was the result of consultations with numerous community economic development agencies, stakeholders and individuals to ensure that northern Manitoba was well positioned to capitalize on the benefits available through computer and information technologies.

The Northern e-Biz Centre currently has six computer stations on-site in Thompson as well as two satellite access sites: one in Churchill, and one in Norway House. In addition to basic computer and Internet training, the centre also provides e-business and e-commerce training and consultation. The Northern e-Biz Centre functions under a volunteer Advisory Committee.

North Central Development is a not-for-profit agency governed by a volunteer Board of Directors. The Corporation represents seventeen communities in northern Manitoba including urban industrial, Northern Affairs (Metis) and First Nation communities. Each community appoints a member to the Board of Directors. The Corporation has been in existence since 1997.

As an organization, North Central Development has a proven track record in terms of working in partnership with representative communities and delivering results in the areas of business development, community development and access to technology. The corporation has an excellent understanding of the unique development conditions of northern Manitoba, a well-established resource network, and the ability to organize and mobilize resources.

In 1998, North Central Development developed seventeen Business Resources Centres in representative communities. These resource centres were equipped with computer equipment, Internet access and business development information. This project was made possible by a grant through Industry Canada under the Service Innovation Program.

In 1999, North Central Development delivered five regional community based computer and Internet training workshops. These workshops included basic computer training, Internet training, web site development and business development. This was a partnership with Frontier School Division and Mysterynet, a local CAP site.

In 2000, North Central Development worked very closely with Community Connections to establish additional public access sites throughout northern Manitoba. In 2001, North Central Development was also awarded the VoINet



contract to assist non-profit agencies in northern Manitoba to access the Internet and develop web sites.

In the spring of 2003 Focus North was a community economic development conference, hosted by North Central Development in Thompson. Community Development practitioners from all over northern Manitoba attended this conference. It is interesting to note that the major points brought forward by the attendees focused on Information Technologies and how to better incorporate new technologies into existing and future community economic development practices.

As a result the Northern e-Biz Centre was opened in 2001 with support from the Province of Manitoba Community Connections Program and five other northern CFDC's representing northern Manitoba. Other projects in the area of information and computer technology that are currently being pursued by North Central Development include:

Bayline Community Broadband Development Project.

Thompson Community Portal.

Preliminary background work exploring potential for a regional portal encompassing all of northern Manitoba.

Continued computer camps and training sessions for youth during summer months.

## Project Overview

The research team would like to thank all of the survey respondents for their involvement in the research process and for participation in their community. Without the consent of the participants this project would not have been possible. The research team would also like to thank those people in the school divisions and town offices that assisted in providing this valuable information.

The purpose of this study is to conduct research on the current state of information technology and it's application in northern Manitoba. Developing a more complete and accurate understanding of the situation allows e-Biz to identify best practices for future planning processes.

In order to keep the research project in a workable scope this research project focuses on three communities representing northern Manitoba. The communities will be Gillam (Urban Industrial), Wabowden (Northern Affairs/Metis Settlement) and Nelson House (Nisichawayasihk Cree Nation).

An effective information technology strategy has always been identified as a critical component for community development strategies in northern Manitoba and also a mechanism for the development of long-term sustainability. The research that was carried out through this project will generate information that will be critical in developing best practices, and identifying gaps and overlaps in programs and services.

The research for this project consists of a combined quantitative approach intended to provide comprehensive results that include breadth and depth. Primary and secondary data sources will be used for this project.

The primary data was gathered by a survey that was developed to ascertain the general level of information technology literacy within each of the selected communities. A sample of the questions that would be asked in the survey included:

- Does your household have a personal computer?
- Does your household have additional information technology equipment? Please describe.
- Do you currently have Internet access?
- On a scale of 1-10 please rate proficiency with information technology.
- Are you currently enrolled in any distance education programs

*For full survey see appendix 1 page 44*



The secondary data involved several data resources including Statistics Canada data to provide context demographics. Other combined data resources included a detailed search of public and government documents held both on the Internet as well as by development agencies and technology volunteer groups in the Gillam, Wabowden and Nelson House. A literature review had assessed what programs and services have been offered in the community, their objectives, infrastructure developments, project duration and plans implemented for sustainability.

The researcher traveled to each of the selected communities to assess what IT Infrastructure exists in the community. This included things such as towers, servers, ISPs, satellite technology, telecommunications equipment as well as public Internet access sites and associated equipment. In addition, the researchers documented how the community and its residents are currently accessing the Internet (dial-up, satellite, and broadband) and the reasoning for the access choice(s) being utilized.

Additional questions were presented as part of the survey to determine how the user applies information technology to their everyday lives and what additional programs and services could help increase information technology utilization.

The study had reviewed previous IT assistance programs, infrastructure development, information technology literacy, and user information statistics to gain a more complete understanding of IT and its relationships to community economic development with specific reference to northern Manitoban communities.

All surveys were conducted as in-person interview to ensure maximum participation and information acquisition. In order to provide as much validity to the survey as possible, 10% of the total number of private dwellings had been randomly sampled.

General interviews were conducted with frontline workers in the field of information technology enhancement within the three research communities. Respective board members in each community had recommended surveyors. Surveyors had to possess relevant Information Technology. Specifically the interview would seek to gauge the impact IT has had on community economic development and how it was affecting future planning processes. In addition, it was anticipated that through these interviews information on successes, failures, gaps and futures needs would be identified and documented.

Efforts would also be made to try and determine the number of northern residents currently enrolled in distance education programs using information technologies through a direct question on our survey.

Once all of the information had been gathered, the researchers worked in cooperation with the Manager of the Northern e-Biz Centre and compiled and

interpreted the data. A final report on the findings will be prepared and shared with all interested stakeholders. This information can be disseminated in paper format and will also be made available on the North Central Development website for download.

It is also anticipated that the outcome of this research project will have implications for all of northern Manitoba and not just the area served by North Central Development.

## **Northern Manitoba Background**

Many communities in northern Manitoba are geographically isolated and accessible only by air or rail. Many other communities are assessable by all weather roads, however they are often separated from urban locations by hundreds of kilometers.

The economic base of northern Manitoba relies heavily on primary industries such as mining, forestry and fishing. Hydro electricity generation is well established and continues to be a growing industry. Northern residents cherish their lifestyles and rich cultural heritage, however in order to secure sustainability for the twenty first century, these communities must possess the resources needed to access needed information and new technologies.

Efforts are being made by local government and development agencies to diversify local economies in order to prepare northern Manitoba for long-term growth and prosperity. Transportation, communication, tourism, winter weather testing and non-timber forest products are just a few of the many examples of emerging industries in the northern Manitoba region.

While many great successes have been made in northern Manitoba in reference to macroeconomics, there are still many socio-economic issues within communities that need to be adequately addressed and remain as obstacles to regional community economic development. Issues that are prevalent in the north are low literacy rates, limited post-secondary and continued education opportunities; unemployment, poverty and limited access to necessary health services information are major barriers in northern communities. In order to succeed in the new economy, these barriers must be addressed. Furthermore, any community economic development plans prepared for northern Manitoba on the premise of harnessing the potential of information technologies must understand and address these issues and the unique social-economic climate of northern Manitoba.

## Current Conditions

There are a number of programs and services offered in northern Manitoba to promote the utilization of information technology in the community economic development process. Although slowly, narrowing the “digital divide” is still very apparent.

There are many assumptions which community development agencies, such as North Central Development use in preparing community economic development approaches for northern Manitoban communities.

1. Due to the vast geographic area of northern Manitoba, there exists a barrier to regional communication and the dissemination of information pertaining to education, technology and community economic development enhancement.
2. Many communities operate in isolation without a sense of connectedness to their neighbors or the region as a whole. This hinders the community development process as well as regional strategic planning.
3. Information on northern Manitoba and existing programs and services are scattered and limited. There currently exists no mechanism to bring unity to information regarding northern Manitoba.
4. Many communities are restricted to possessing the technical knowledge or infrastructure to develop an electronic presence. This leads to missed opportunities in the areas of entrepreneurship, business, education and health.
5. There is a perceived inferiority complex in northern Manitoba with reference to new technologies and e-commerce.
6. Many communities have to rely completely on outside assistance to access the Internet and develop web-site content. This creates a lack of local ownership and also prevents the inclusion of local elements, culture and language.
7. Programs such as Community Connections and the Community Access Program (CAP) have been very successful in establishing public access points in northern Manitoba. However in many incidents, access is no longer an issue in northern Manitoba; many communities now have Broadband capabilities. However, there remains a great deal of work that needs to be done in the areas of education, computer skills development, local ownership, and entrepreneurship promotion.

Again, these are assumptions, however there really has been no research concluded to either confirm or disprove these statements.

## **Expected Results**

It is important to note that the information gathered during the delivery of this research project is critical in assisting the Northern e-Biz Centre to develop future programming to meet the needs of northern Manitobans. Lack of financial and human resources has prevented this type of study from being conducted in the past. The findings will provide a more accurate picture of the state of information technology in northern Manitoban communities. It will also provide solid information on which to base future programs and services, improve delivery methods, better engage the individual and ensure long term sustainability.

Each community as a whole will benefit enormously from the enhancement of the recommendations. Some of these benefits include but are not limited to the following;

### THE REGION

- Overall improvement in networking and interaction with each of the northern communities within the region 24 hours a day 7 days a week,
- Maintenance of partnerships, both local and regional,
- Establish working relationships within the region,
- Establish collaborative process and effort to improve programs and services offered to the information clientele population.

### THE COMMUNITY

- Enhance programming and services offered to assist those populations in need,
- Enhance dynamics of the community and the way the general public perceives the IT usage
- Enhance resources and assistance being utilized
- Creation of a sense of cohesiveness and action for the betterment of the community.

### THE PUBLIC

- Potential for the creation of additional employment opportunities within the region
- Opportunity for technological awareness building
- Opportunity to work together as a team
- Pride of knowing they are contributing to the progress of a more effective technology.

It is apparent that there are a multitude of benefits that will be shared by stakeholders, the population and northern Manitoba as a whole. With the hard work and commitment of all involved, the overall improvements in the area of Information Technology will be viewed as a necessity and a valuable asset for the City of Thompson and northern region of Manitoba.

## **Project Evaluation**

The research project is focused on identifying gaps and overlaps in programs and services are relevant in information technology in the northern Manitoba. After the submission of the surveys there were a percentage of respondents that had agreed to participate in a call back for more personal comments of the study. This population has been contacted for a follow up phone interview and shared personal concerns.

Of these comments there was an admissible margin between the age and knowledge factor of who knew what was “Information Technology”. Given the circumstances the research team administered a consensus of what needed to be known about information technology.

# The Information Technology Community Survey

## What results and feedback did we get from the Information Technology survey?

### Question # 1 How long have you owned or had access to a computer?

#### In terms of the total population surveyed:

49% owned or accessed a computer for more than five years  
 22.5% owned or accessed a computer for four or less years  
 16.7% owned or accessed a computer for 1 year or less  
 11.8% don't have access to a computer

22.5% owned or accessed a computer in four years or less  
 32.5% owned or accessed a computer in a year or less  
 25% don't have access to a computer

### Summary

The majority of people surveyed had access to computers (88.5%) This ranged from high 100% in Wabowden to 75% in Nelson House. Nelson House seems to have the fastest growing computer access. There was a higher population of participants who owned a computer more than five years (50) i.e. Gillam Wabowden, but a significant response (17) who owned or accessed a computer in 1 year or less Nelson House or even don't have access to a computer (12).

#### Specifically to Gillam, the percentages were

61.0% owned or accessed a computer more than five years  
 24.4% owned or accessed a computer in four years or less  
 9.8% owned or accessed a computer in a year or less.  
 4.9% don't have access to a computer

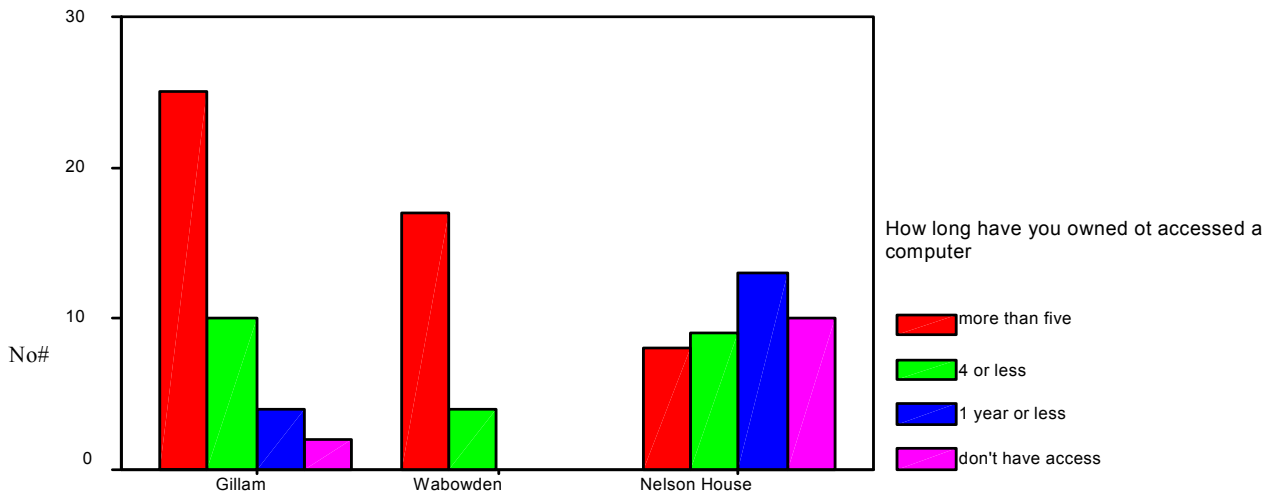
There was interest in the communities in areas as establishing computer basics classes that would correlate with changes in computer technology. People had relevant computer access but did not upgrade personal knowledge with current technological changes.

#### Specifically to Wabowden, the percentages were

81% owned or accessed a computer more than five years  
 19% owned or accessed a computer in four years or less

#### Specifically to Nelson House, the percentages were

20% owned or accessed a computer more than five years



specify which community surveyed



**Question # 2 Please specify your present age group?**

- 1) Under 20
- 2) 20-29
- 3) 30-39
- 4) 40-49
- 5) Over 50

**In terms of the total population surveyed:**

3% were “under 20 years of age”  
 27.5% were “between the ages of 20 -29”  
 31% were “ between the ages of 30-39 years of age”  
 25% was “between the ages of 40-49 years of age”  
 12% were “over 50 years of age”

**Specifically to Gillam, the percentages were**

Of the participants of Gillam there was no participants in the “under 20” age category  
 15% were “ between ages 20–29years of age”  
 46% were “ between ages 30-39 years of age”  
 29% were “ between ages 40–49 years of age”  
 7% were “over 50 age”  
 2% provided no answer.

**Specifically to Wabowden, the percentages were**

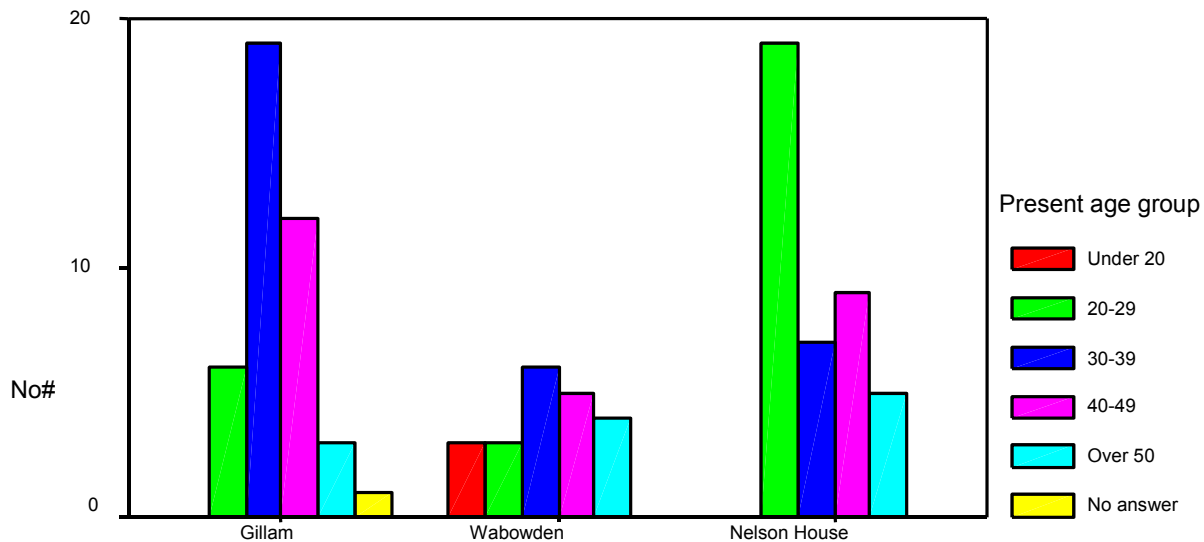
14% were “under 20” age category  
 14% were “ between ages 20–29years of age”  
 29% were “ between ages 30-39 years of age”  
 24% were “ between ages 40–49 years of age”  
 19% were “over 50 age”

**Specifically to Nelson House, the percentages were**

Of the participants of Nelson House there was no participants in the “under 20” age category  
 Zero were “under 20” age category  
 48% were “ between ages 20–29years of age”  
 18% were “ between ages 30-39 years of age”  
 23% were “ between ages 40–49 years of age”  
 13% were over 50 years of age

**Summary**

The predominate age respondents sit in the 30-39 age groups are from Gillam which also had the oldest response 83% over 30, but also a high group in the 20-29 age group from Nelson House, which had a youngest response of 48% that was under 30. The two communities are both road accessible and both sit in two different age categories. Information Technology should be accessible to all ages including under 20, over 50, which scored relatively, lower. There was a significant population in the 20-29 years of age category in Nelson House, but a relevant amount in the 30-39 year age category in Gillam. Followed by a group of 40-49 year age category in Gillam.



Specify which community surveyed

**Question #3 Please specify your current status?**

- 1) **Single**
- 2) **Married/Common law**
- 3) **Divorced/ Widowed**

**In terms of the total population surveyed:**

25% were "single"  
 68% were "married or common law"  
 5% were "divorced or widowed"

**Specifically to Gillam, the percentages were**

12% were "single"  
 80% were "married or common law"  
 7% were "divorced or widowed".

**Specifically to Wabowden, the percentages were**

28% were "single"  
 57% were "married or common law"  
 14% were "divorced or widowed"

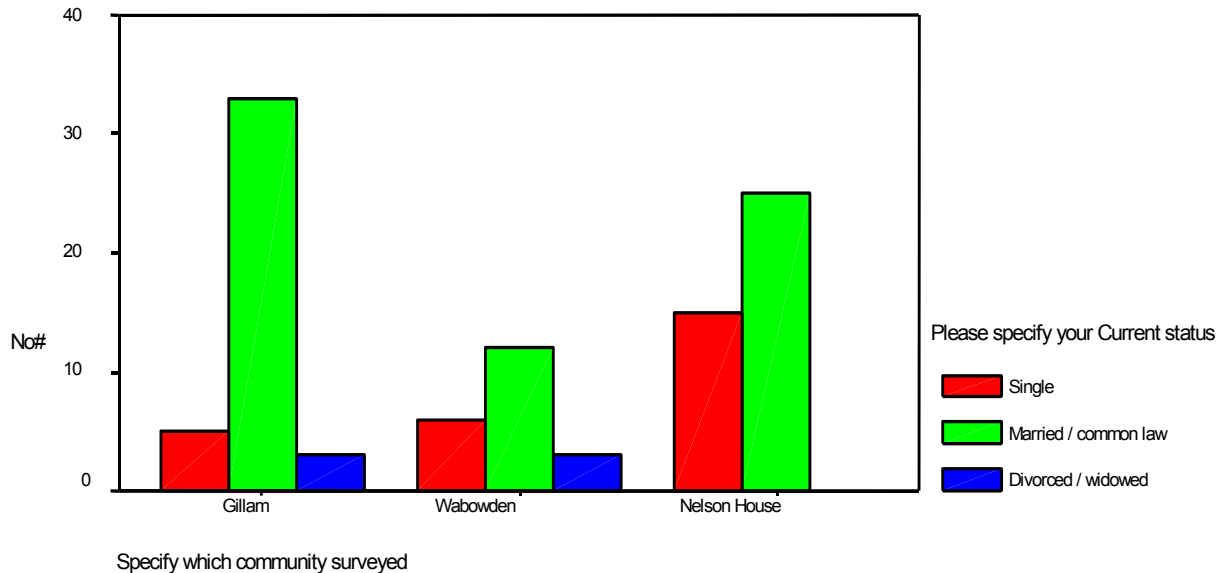
**Specifically to Nelson House, the percentages were**

37% were "single"  
 62% were "married or common law"

Of Nelson House's population there was no participants in the "divorced widowed" category

**Summary**

Just under 70% of the respondents answered married / common law with Gillam the highest (81%) and Wabowden the lowest (57%). Nelson House had the most single respondents (38%), compared to Wabowden next (29%) and Gillam (12%). Wabowden showed the highest number of divorce numbers or widowed respondents (14%). There was a high participation in the "single" category. Establishing accessible workstations or improving programs in northern communities would allow all categories to advance in future decision making for improving community infrastructures





**Question #4 What is your gender?**

- 1) Female
- 2) Male
- 3) No answer

**In terms of the total population surveyed:**

59% were "female"  
 36% were "male"  
 2% said "no answer"  
 1% provided no answer

**Specifically to Gillam, the percentages were**

61% were "female"  
 34% were "male"  
 4% provided "no answer"

**Specifically to Wabowden, the percentages were**

76% were "female"  
 19% were "male"  
 4% provided "no answer"

**Specifically to Nelson House, the percentages were**

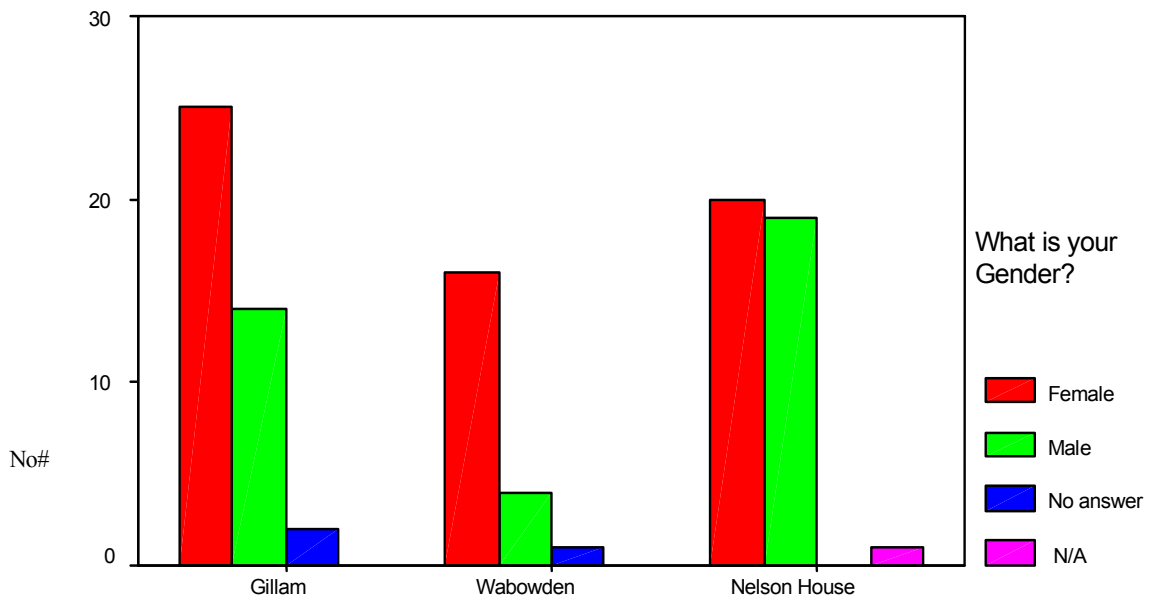
50% were "female"  
 47% were "male"  
 2% provided no answer

**Summary**

Of the various groups that did participate in the survey, 59.8% were female and 36.3% were male and the other 3.9% did not respond or provide answer. There was a higher female involvement in this particular research project.

50% were female and 47.5% male, 2.5% no answer - Nelson House.  
 76.2% were females and 19% male, 4.8% no answer – Wabowden,  
 61% were females and 34.1% males, 2.9% no answer – Gillam.

The total results in all the communities showed a higher participation group in the female gender. The highest participants of males in the survey were from Nelson House. We cannot determine how results showed a higher gender gap but being more "gender" selective in selection in future studies ensure proper percentages from both genders. .



**Question #5 Please specify your Nationality.**

- 1) First Nations Treaty
- 2) Aboriginal Non Status
- 3) Metis
- 4) Dene
- 5) Other
- 6) No answer

**In terms of the total population surveyed:**

52 % were “ First Nation Treaty”  
 2.9% were “ Aboriginal non status”  
 9% were “Metis”  
 33% were “other”  
 1% provided no answer  
 1% specified nationality

92% were “First Nation Treaty”  
 5% were “Aboriginal Non status”  
 2% provided no answer

**Summary**

First Nations Treaty made up just over 50% of the respondents: approximately half of them residing in Nelson House. The next largest category was the other at 33%; 80% of this resided in Gillam.

**Specifically to Gillam, the percentages were**

26% were “ First Nation Treaty”  
 2% were “ Aboriginal non status”  
 2% were “Metis”  
 65% were “other”  
 2% provided no answer

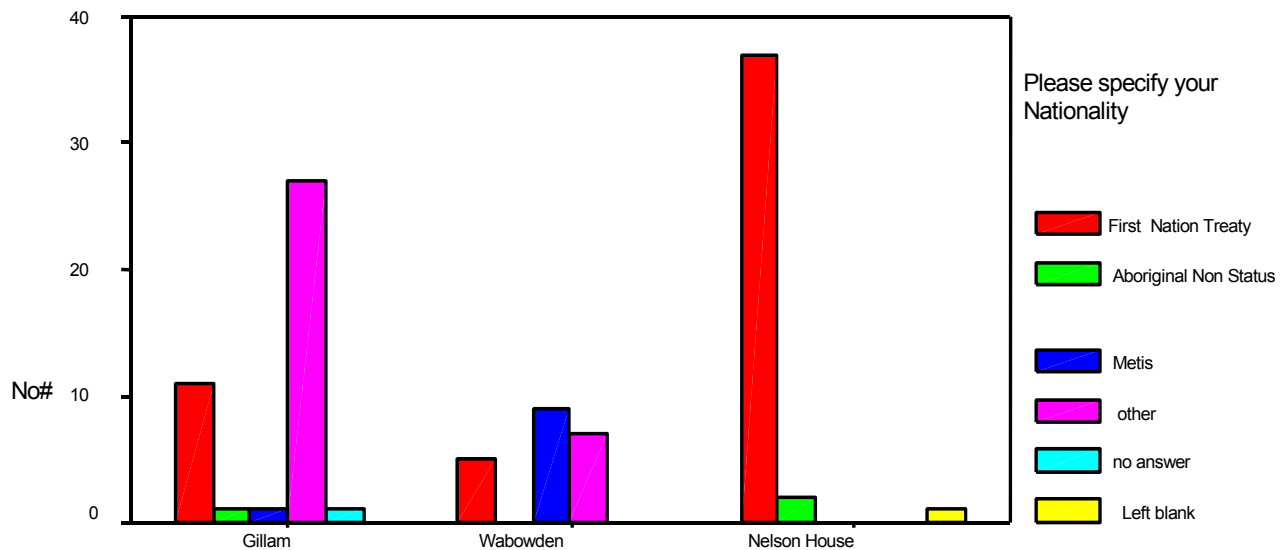
92.5% F.N Treaty, 5.0% Aboriginal non-status, 2.5 other - Nelson House  
 23.8% F.N Treaty, 42.8% Metis, 33.3% other – Wabowden,  
 26.8% F.N Treaty, 2.4% Aboriginal Non – status, 2.4% Metis, 65.9% other, 2.5% no answer – Gillam.

**Specifically to Wabowden, the percentages were**

23% were “ First Nation Treaty”  
 Of the Wabowden’s total participants who participated in the survey there were no “ Aboriginal non status”  
 42% were “Metis”  
 33% were “other”

It was relevant that the participants would result the way it did, knowing that Gillam had a majority Non Aboriginal population and Nelson House being a First Nation community.

**Specifically to Nelson House, the percentages were**



**Question # 6 Do you speak mostly?**

- 1) English
- 2) French
- 3) Cree
- 4) Dene
- 5) Other

**In terms of the total population surveyed:**

68% spoke "English"  
 2% spoke "Cree"  
 1% spoke "English and French"  
 27% spoke "English and Cree"  
 1% specified Nationality

**Specifically to Nelson House, the percentages were**

37% spoke "English"  
 5% spoke "Cree"  
 57% spoke "English and Cree"

**Specifically to Gillam, the percentages were**

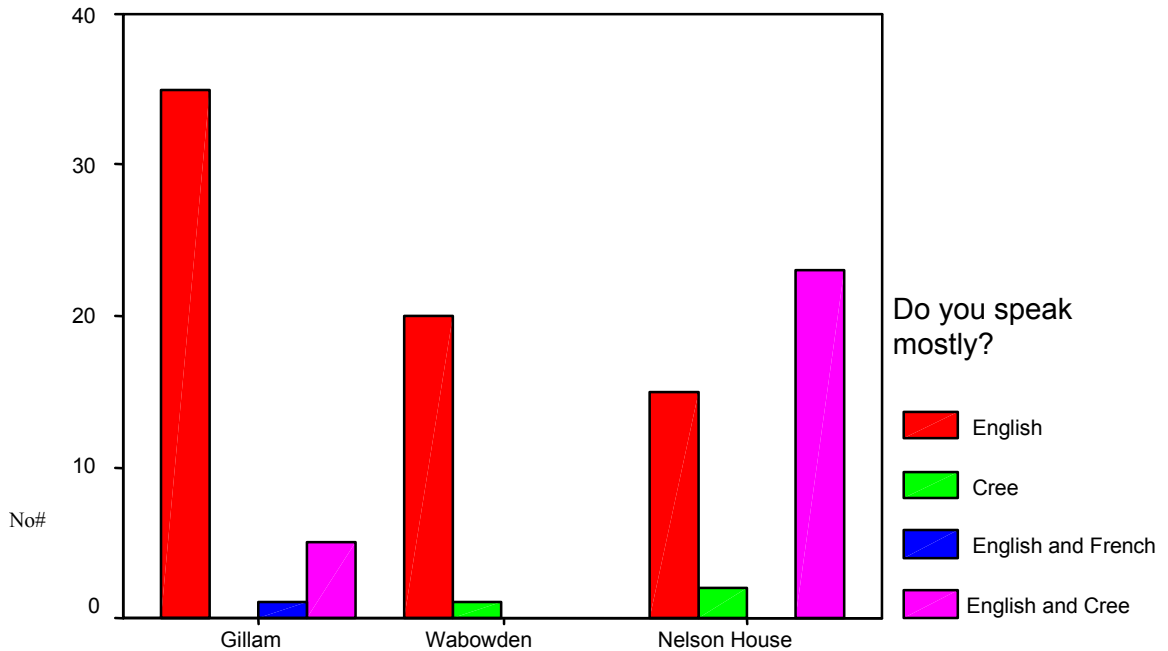
85% spoke "English"  
 No percentage of the Gillam's total participants who participated in the survey spoke "Cree" solely  
 2% spoke "English and French"  
 12% spoke "English and Cree"

**Summary**

Of the 102 participants, 98% spoke either English (69%)English and French (1%) or Cree /English Bilingual (28%). A small percentage (3%) spoke Cree only Cree /English Bilingual speakers were predominately found in Nelson House (82%). It was apparent that 34% of the English speaking lived in Gillam.

**Specifically to Wabowden, the percentages were**

95.2% spoke "English"  
 4.8% spoke "Cree" solely



**Question # 7 What is your highest Grade completed?**

- |                      |                           |
|----------------------|---------------------------|
| 1) Less than grade 8 | 5) College                |
| 2) Grade 8 – 9       | 6) University             |
| 3) Grade 9 -10       | 7) College and University |
| 4) Grade 10 -12      |                           |

**In terms of the total population surveyed:**

2 % had "less than Grade 8"  
 2.9% had "Grade 8-9"  
 12.7% had "Grade 9-10"  
 37% had "Grade 10-12"  
 26% had "College"  
 17% had "University"  
 1% had "College & University"

27% had "Grade 9-10"  
 37% had "Grade 10-12"  
 7% had "College"  
 17% had "University"

**Summary**

The majority of the population had Grade 10 or more (82%). Forty five percent of the respondents had either college or university. Another 37% had grade 10-12. All respondents from Wabowden had at least Grade 10. Nelson House registered 63% as such. The highest factor was 37.3%, which 102 participants sat in the grade 10 –12 level. The lowest factor being 2% who had less than grade 8 levels

**Specifically to Gillam, the percentages were**

5 % had "less than Grade 8"  
 2% had "Grade 8-9"  
 4.9% had "Grade 9-10"  
 36.6% had "Grade 10-12"  
 48% had "College"  
 4.9% had "University"  
 2% had College and University"

85.4% of Gillam's total participant's sat with majority in the Grade 10-12 and College levels  
 55.0% of Nelson House's total sat with majority in the grade 10-12 and university levels  
 81.8% of Wabowden's total sat with majority at grade 10-12 and university levels

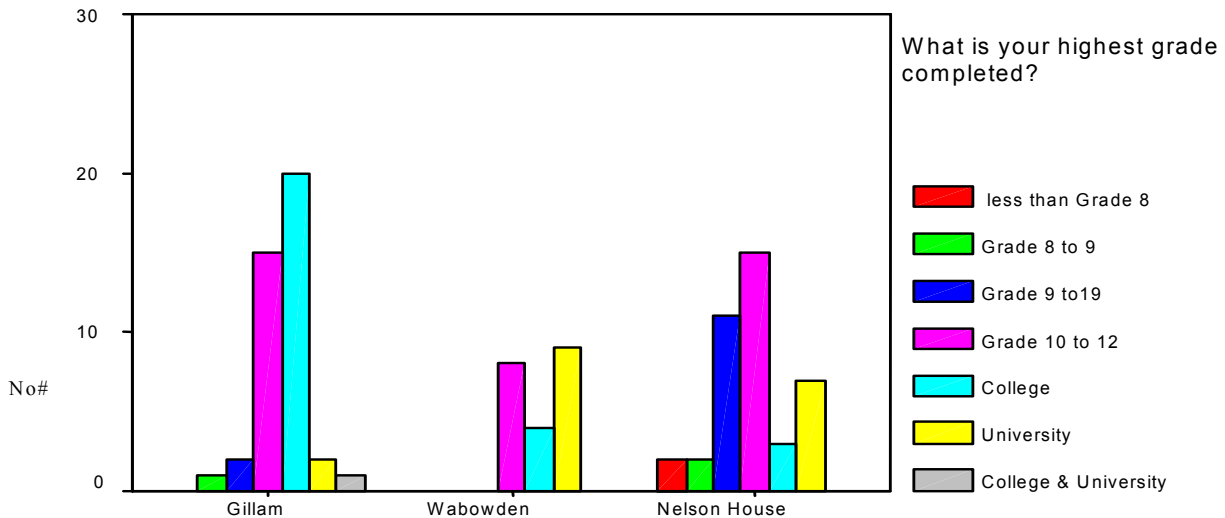
**Specifically to Wabowden, the percentages were**

38.1% had "Grade 10-12"  
 19% had "College"  
 42% had "University"

The results showed an interest in post secondary education. The majority of Wabowden had university education as well as Nelson House. A high majority of participants from Gillam had College education

**Specifically to Nelson House, the percentages were**

5 % had "less than Grade 8"  
 5% had "Grade 8-9"



**Question # 8 Do you or anyone in your household use a computer?**

- 1) Yes
- 2) Self
- 3) No
- 4) Relation (please specify)

**In terms of the total population surveyed:**

80% said, "Yes"  
 1 % said " Self"  
 11% said "No"  
 2% said, " Yes other"  
 2% said "Yes Relative"  
 1% had "specified"  
 1% had not responded

**Specifically to Gillam, the percentages were**

90% said, "Yes"  
 2.4% said "No"  
 2.4% said, " Yes other"  
 4.9% said "Yes Relative"

**Specifically to Wabowden, the percentages were**

90 % said, "Yes"

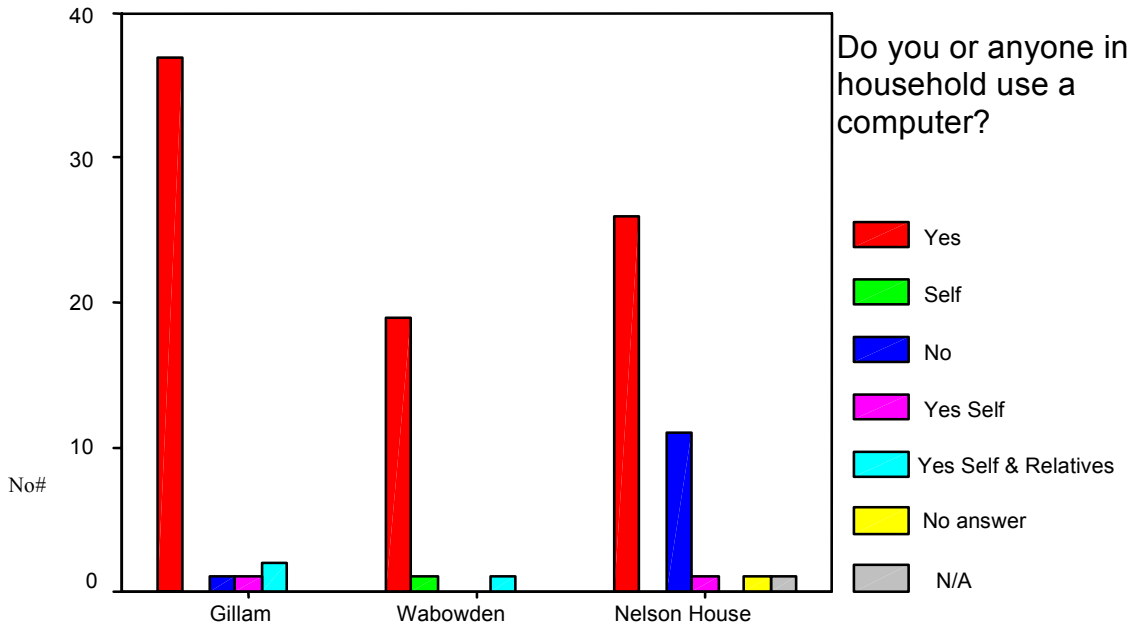
4.8% said " Self"  
 4.8% said "Yes Relative"

**Specifically to Nelson House, the percentages were**

65 % said, "Yes"  
 27% said "No"  
 2.5% said, " Yes other"  
 2.5% had "specified"  
 2.5% had not responded

**Summary**

80% of the total respondents said yes. The highest was found in Gillam and Wabowden at 90% Nelson House showed a rate at 65%



**Question # 9 Do you own or use the following?**

- 1) Fax
- 2) Scanner
- 3) Digital camera

**In terms of the total population surveyed:**

23.5% said "not applicable"  
 40% was not applicable'  
 11.8% use a fax, scanner, digital camera"  
 10.8% use a fax and own a scanner and digital camera"  
 8% provided "no answer"  
 3% owned a fax  
 7.8% used a fax machine  
 2.5% answered not applicable  
 2% owned a scanner  
 1%use a scanner  
 12% 'use a fax, scanner and digital  
 8% provided no answer

**Specifically to Gillam, the percentages were**

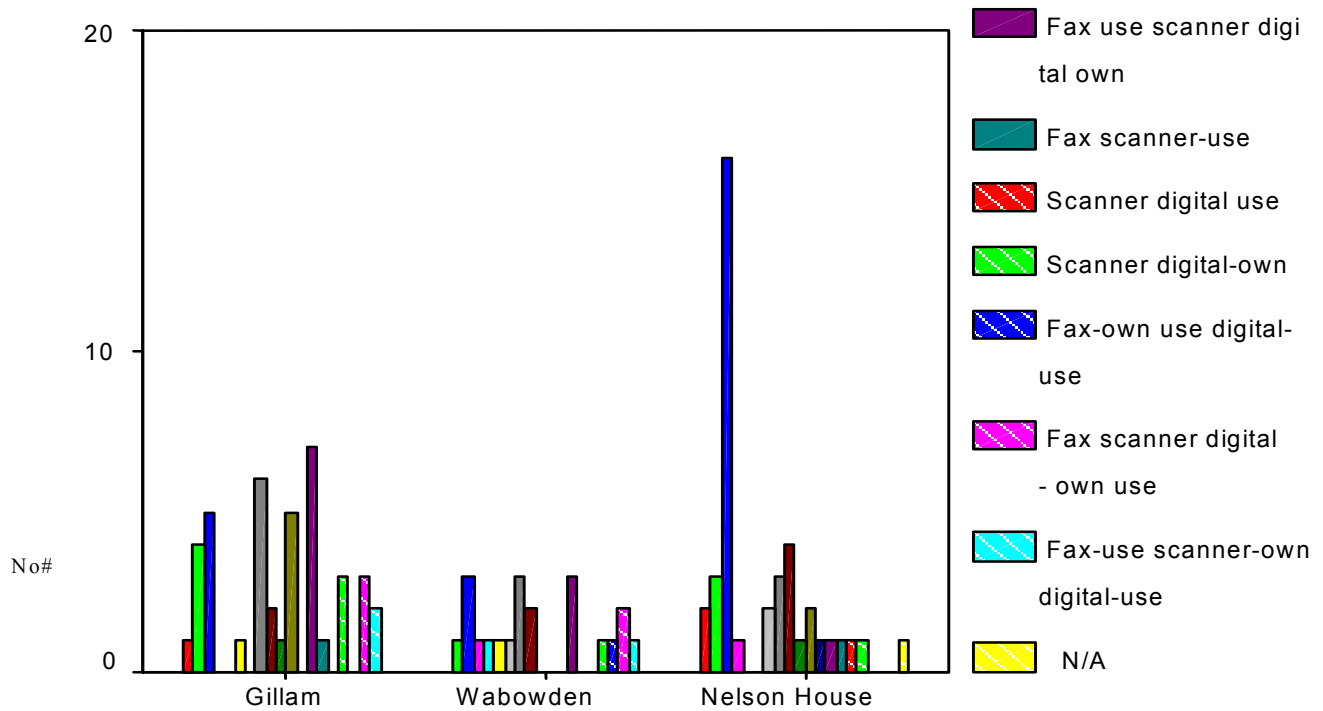
12% said not applicable  
 14% use a fax scanner and digital  
 17% used a fax and owned a scanner and digital

**Specifically to Wabowden, the percentages were**

14% used a fax and owned a scanner and digital  
 9% owned and used a fax, scanner and digital  
 54% answered not applicable  
 10% provided no answer.

**Summary**

There was a high percentage of total population that answered "not applicable" and a high percent that gave no answer. There were a number of participants that used either a scanner; a fax or that gave no answer (24%) This suggests that a high percentage of participants may not have understood the question or have not used any of the equipment listed.



**Question # 10 Where would you use each of the following Internet types:**

- 1) The Internet
- 2) Dial up
- 3) High speed
- 4) Cap site
- 5) Satellite

**In terms of the total population surveyed:**

11% had 'Internet at home"  
 5% had "internet at work"  
 2.9% had" internet at home and work"  
 7% had "internet and dialup at home"  
 3.9% had used the "internet at relatives"  
 2% had "satellite at home"

**Specifically to Gillam, the percentages were**

22% had Internet / high speed at home and work  
 14.6% "had internet at home  
 9.8% had Internet / dial up at home  
 10% said "not applicable"  
 7% had " internet high speed at home and work"

**Specifically to Wabowden, the percentages were**

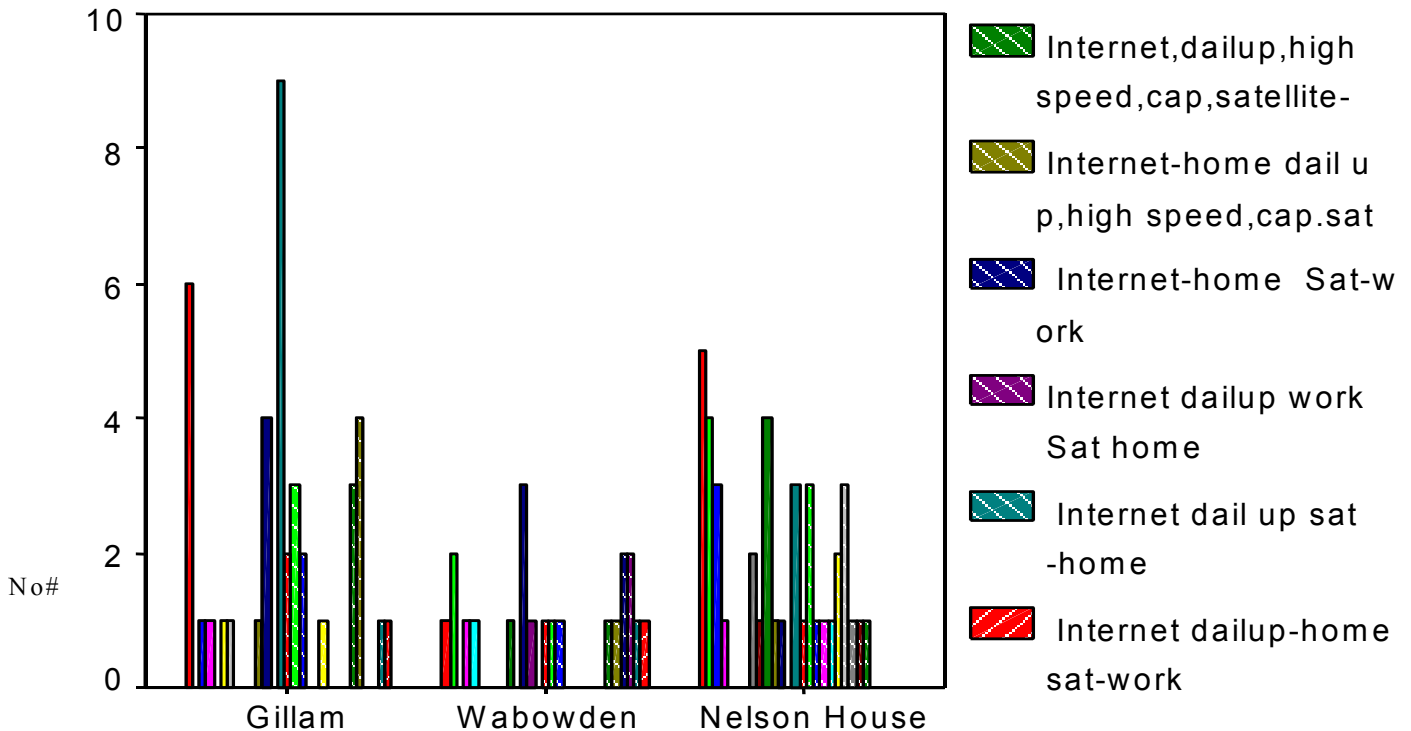
14% had "Internet / dial up at home"  
 4% had "internet at home"  
 9% had "internet at work"  
 4% had "internet satellite at home and work"

**Specifically to Nelson House, the percentages were**

5% had Internet at home  
 10% had Internet at work  
 10% not applicable  
 5% had "satellite at home"

**Summary**

There is a large percentage in all communities that have Internet at home, but also those who have Internet dial up at home and work.



**Question # 11 Have you ever received certified computer training?**

- 1) Yes
- 2) No

**In terms of the total population surveyed:**

57.8% had no certified computer training  
41% had received certified computer training, 1% of the total population provided no answer.

**Specifically to Gillam, the percentages were**

56.1% had received certified computer training  
43.9% had not received certified computer training

**Specifically to Wabowden, the percentages were**

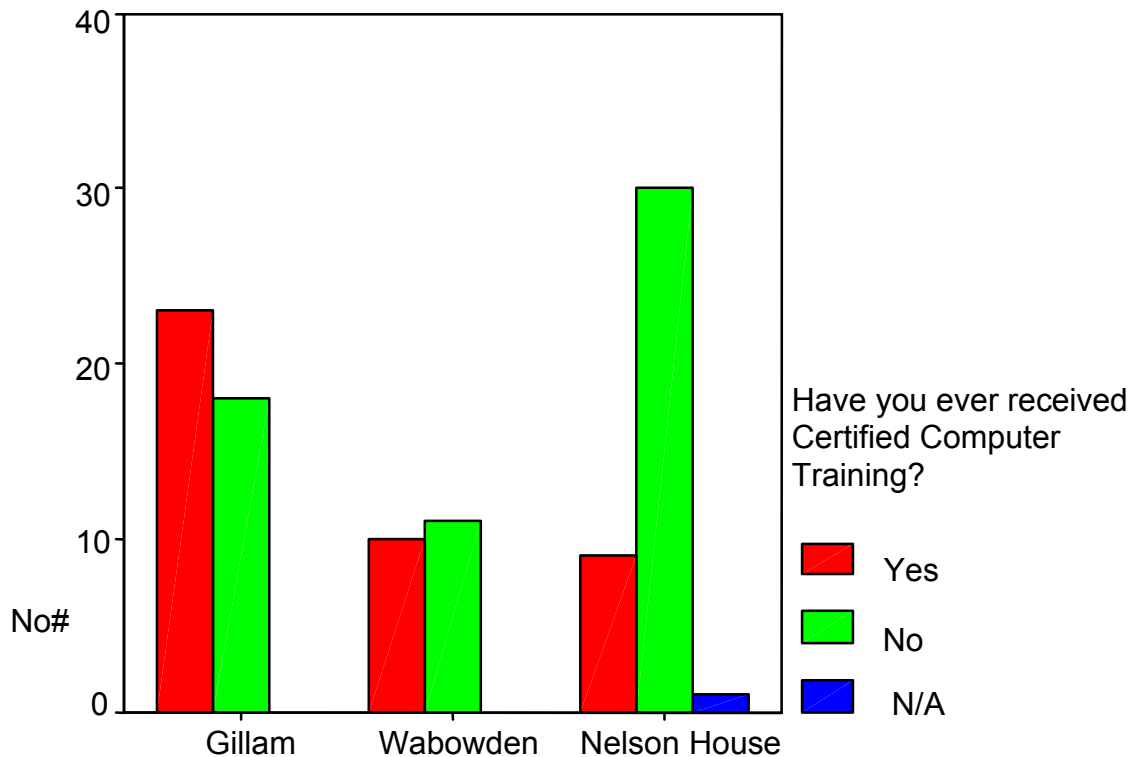
47.6% had received certified computer training  
52% had not received certified computer training

**Specifically to Nelson House, the percentages were**

22.5% had received certified computer training  
75% had not received certified computer training  
2.5% provided no answer

**Summary**

Approximately 41% of the respondents had received some type of certified computer training in computers. 58% had not received certified computer training. Wabowden had the highest percentage (52%) whereas Nelson House had the lowest percentage (23%) See question #15 for further insight.





**Question # 12 If you have received computer training when did you receive it?**

- 1) This year
- 2) Last Year
- 3) 2 years ago or more
- 4) N/A

**In terms of the total population surveyed:**

53.9% had never received certified computer training  
 27.5% had received certified computer training last year  
 2.9% received this year.  
 15.7% did not answer or specified a specific year

**Specifically to Gillam, the percentages were**

4% received training "this year"  
 41% received training "last year"  
 39% never received computer training  
 7% specified when they received computer training  
 7% did not answer

**Specifically to Wabowden, the percentages were**

4% received training "this year"  
 47.6% had never received certified computer training

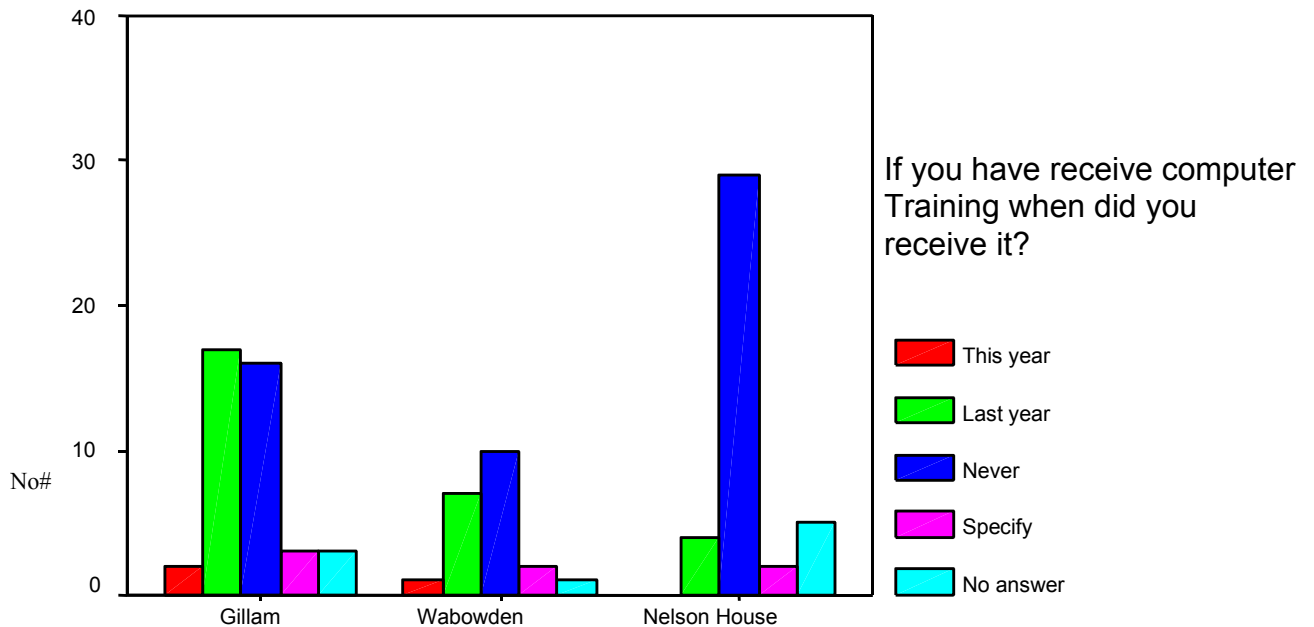
33% had received certified computer training in the last year  
 9% had specified when they received computer training  
 4.8% did not answer

**Specifically to Nelson House, the percentages were**

10% received training "last year"  
 72.5% had never received certified computer training  
 5% specified when they received computer training.  
 12.5% did not answer

**Summary**

A small percentage received training in this year (3%) while 28% received training last year.



**Question # 13 The “digitally divided” means a community is separated from outside Internet resources, Do you think your community fits this category?**

- 1) Yes
- 2) No
- 3) Don't know

**In terms of the total population surveyed:**

33% said, “Yes’ there community fitted this category  
 25% said “no” there community fitted this category  
 37% said they “don’t know”  
 3% provided no answer

**Specifically to Gillam, the percentages were**

51% said “yes” there community fits this category  
 22% said ‘no” there community fitted this category  
 22% said they “don’t know”  
 4% provided no answer

**Specifically to Wabowden, the percentages were**

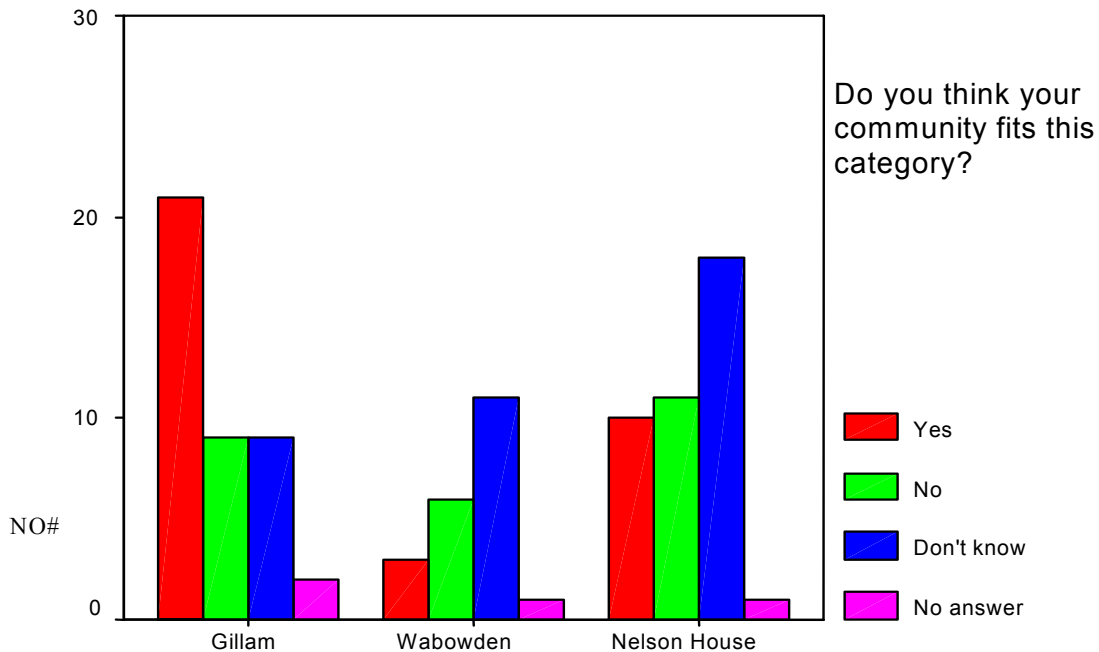
14.3% said “yes” there community fits this category  
 28.6% said “no” there community fits this category  
 52.4% did not know  
 4% provided no answer

**Specifically to Nelson House, the percentages were**

25% said “yes” there community fits this category  
 27.5% said “no” there community fits this category  
 45% did not know  
 2% provided no answer

**Summary**

Approximately, one third of the respondents felt that their community was digitally divided (33%). Yet, there was also a higher category that did not know if there community fitted this category (37%). This ranged from 51% in Gillam to 14% in Wabowden. A high percentage of respondents 37% did not know the answer to this question, which might highlight the level of public awareness about Internet resources.



**Question # 14 Is technical support available in your community (Computer software maintenance)?**

- 1) Yes
- 2) No
- 3) Don't know

**In terms of the total population surveyed:**

36% " said "yes" there is tech support  
 36.3% said "no" there is no tech support  
 25% didn't know  
 2% provided no answer

**Specifically to Gillam, the percentages were**

46% said "Yes" there is tech support in their community  
 39% said "no" there is no tech support in their community  
 12% said, "they did not know"  
 2% provided no answer

**Specifically to Wabowden, the percentages were**

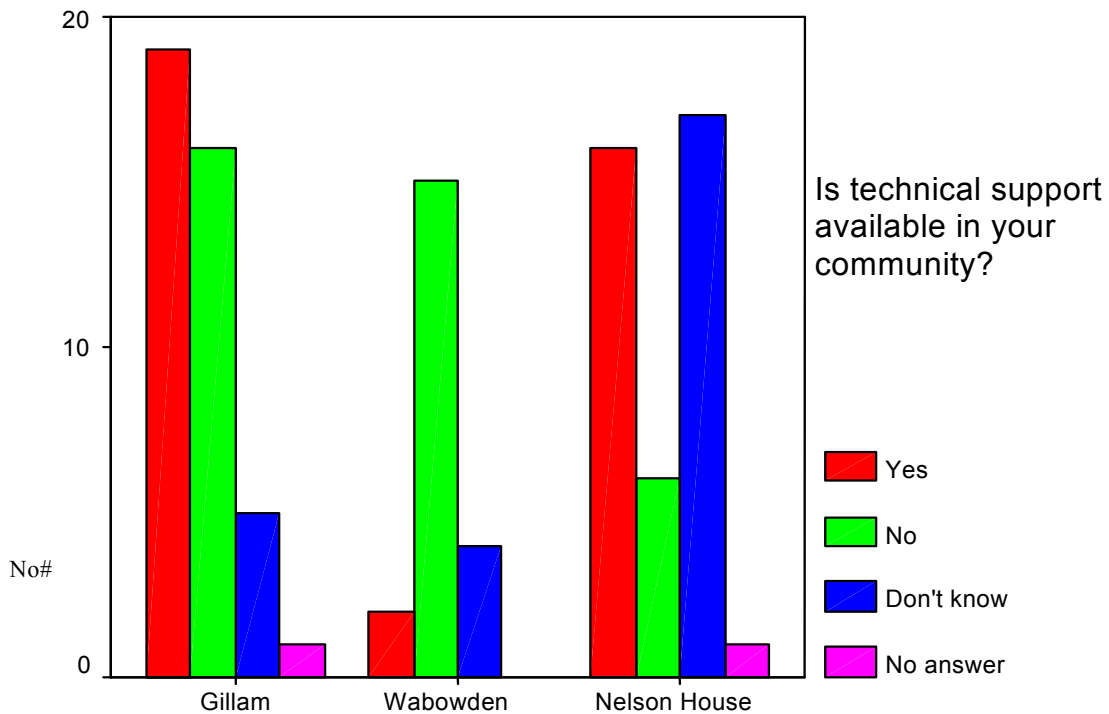
9.5% said "yes" there is tech support  
 71.4% said no" there is no tech support  
 19% did not know

**Specifically to Nelson House, the percentages were**

40% said "yes" there is tech support  
 15% said "no" there is no tech support  
 42.5% did not know  
 2% provided no answer

**Summary**

There is a percentage of the population who had knowledge of what was "technical support". The question was varied as having to repair a computer, upgrading or downloading of software. Just over one third of participants, believed there was technical support in their community. Another 25% did not know. Wabowden had the highest number that stated no technical support was available 71%



**Question # 15 If Introductory computer courses were available would you be interested in attending?**

- 1) Yes
- 2) No
- 3) Not applicable

**In terms of the total population surveyed:**

71.6% said “yes” if introductory courses were available  
 24% said “no” if introductory courses were available  
 2% answered not applicable  
 1% provided no answer

**Specifically to Gillam, the percentages were**

80% said, “yes” if introductory courses were available.  
 17% said “no” if introductory courses were available  
 2% did not provide an answer.

**Specifically to Wabowden, the percentages were**

42% said, “yes” if introductory courses were available

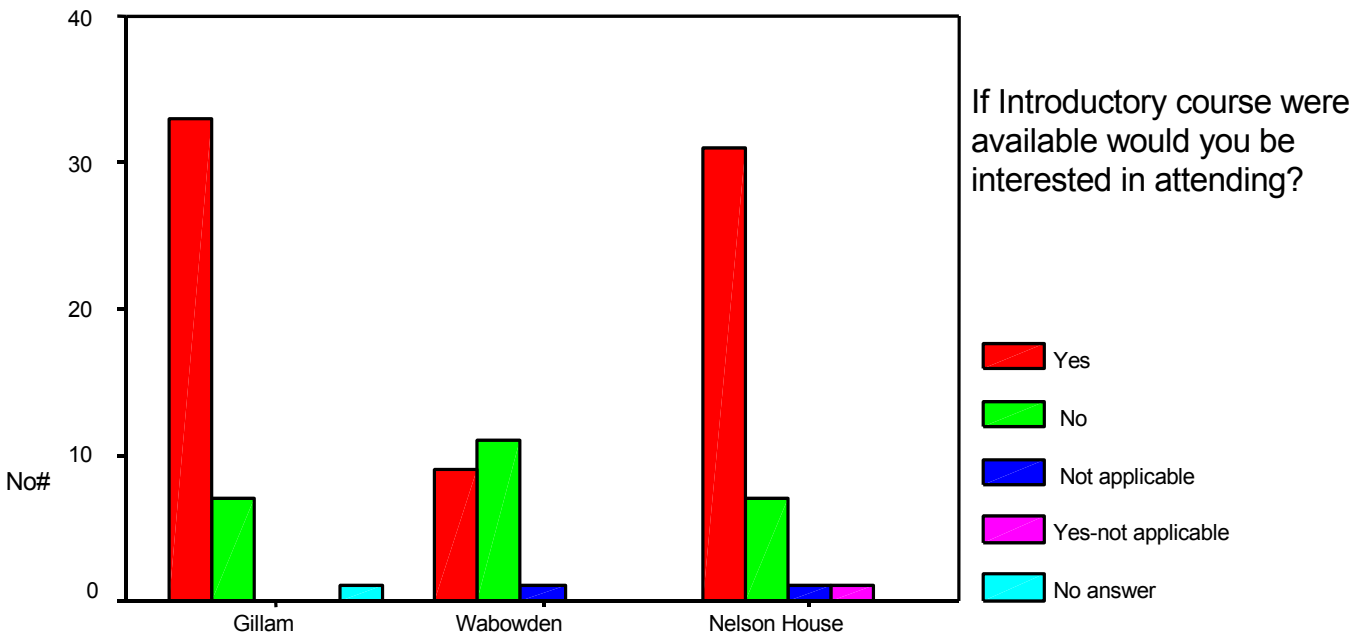
52% said “no” if introductory courses were available  
 4% answered not applicable

**Specifically to Nelson House, the percentages were**

77% said, “yes” if introductory courses were available  
 17% said “no” if introductory courses were available  
 2% answered not applicable  
 2% provided no answer

**Summary**

There is a high percentage in all communities who would attend “introductory” courses if it were available. This is especially true in Gillam 80% and Nelson house 77%



**Question # 16 Are you currently enrolled in a distance education programs online?**

- 1) Yes
- 2) No
- 3) Not Applicable

**In terms of the total population surveyed:**

4.9% of the total participants who participated in the survey said “yes” they were currently enrolled  
 93.1% of the total participants who participated in the survey said “no” they were not enrolled  
 1% answered not applicable

**Specifically to Gillam, the percentages were**

7.3% of Gilliam’s population who participated said yes they were currently enrolled  
 92.7% of Gilliam’s population who participated said “no” they were not enrolled

**Specifically to Wabowden, the percentages were**

4.8% of Wabowden’s population who participated said “yes” they were currently enrolled

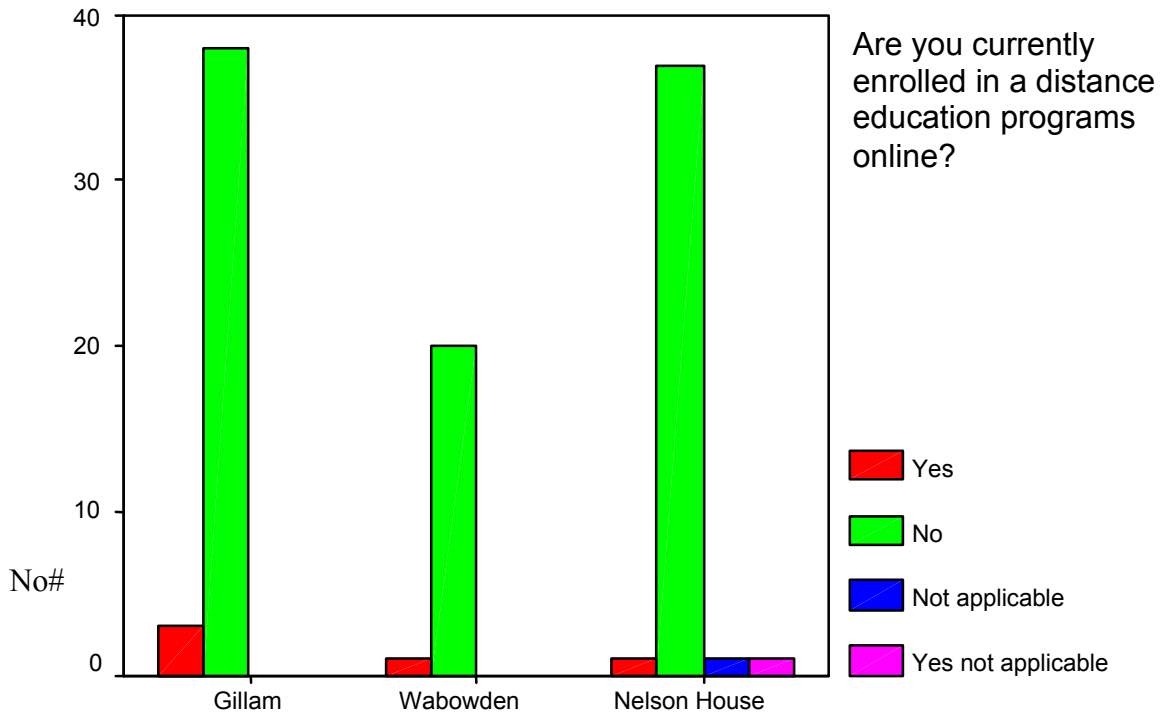
95.2% of Wabowden’s population who participated said “no” they were not enrolled

**Specifically to Nelson House, the percentages were**

2.5% of Nelson House’s population who participated said “yes” they were enrolled  
 92.5% of Nelson House’s population who participated said “no” they were not enrolled  
 2.5% answered not applicable  
 2.5% provided no answer

**Summary**

Over 90% of the participants said “no” to being registered on on-line course.



**Question #17 Would you take computer classes on line if they were offered?**

- 1) Yes
- 2) No
- 3) Maybe

**In terms of the total population surveyed:**

57.8 % said “yes” if on line courses were offered  
 15.7% said “no” if on line courses were offered  
 25% answered “maybe” if on line courses were offered  
 1% provided no answer

**Specifically to Gillam, the percentages were**

43.9% said “yes” if on line courses were offered  
 14.6% said “no” if courses were offered  
 41.5% answered “maybe” if on line courses were offered

**Specifically to Wabowden, the percentages were**

42.9% said “yes” if on line courses were offered

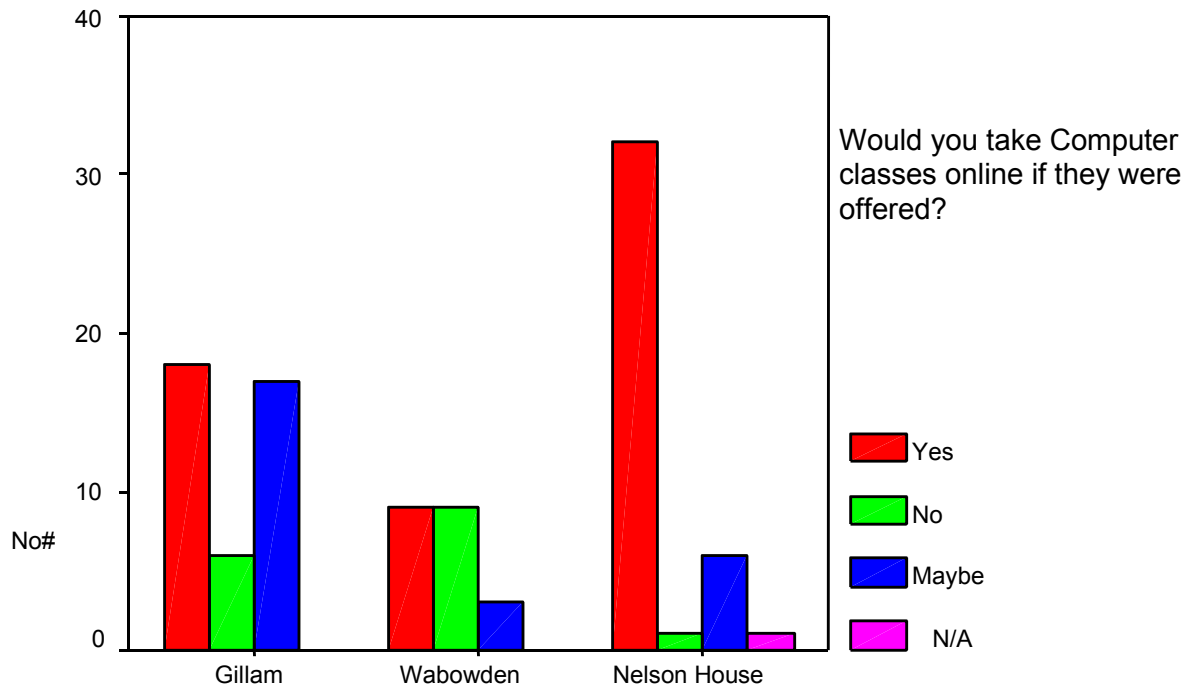
42.9% said “no” if on line courses were offered  
 14.3% answered “maybe” if on line courses were offered.

**Specifically to Nelson House, the percentages were**

80% said “yes” if on line courses were offered  
 2.5% said “no” if on line courses were offered  
 15% answered “maybe” if on line courses were offered.  
 2.5% provided no answer

**Summary**

57% of the total participants were interested in “on line courses”. Nelson House had the highest interest in on line courses 80%.



**Question # 18 Would you use the Internet for the following?**

- |                     |                        |
|---------------------|------------------------|
| 1) Chat line        | 6) Website development |
| 2) Email            | 7) Health              |
| 3) Search Engine    | 8) Events              |
| 4) Software support | 9) Workshops           |
| 5) Learning         | 10) Online banking     |
|                     | 11) Career development |

**In terms of the total population surveyed:**

3.9 % of the total participants who participated in the survey used "chat lines"  
 3.9% of the total participants who participated in the survey said "all applicable"  
 2.9% of the total participants who participated in the survey said "learning"  
 3.9% of the total participants who participated in the survey used "chat lines, emails and search engines"  
 33.6% used 6 or more Internet categories

**Specifically to Gillam, the percentages were**

45% used six or more Internet categories  
 19% used "6 out of 11 categories"  
 12% used 7 out of 11 categories  
 14% used "email, learning, online banking career development"

**Specifically to Wabowden, the percentages were**

34% used 10% of Wabowden's population who participated used "6 out of 11 categories"

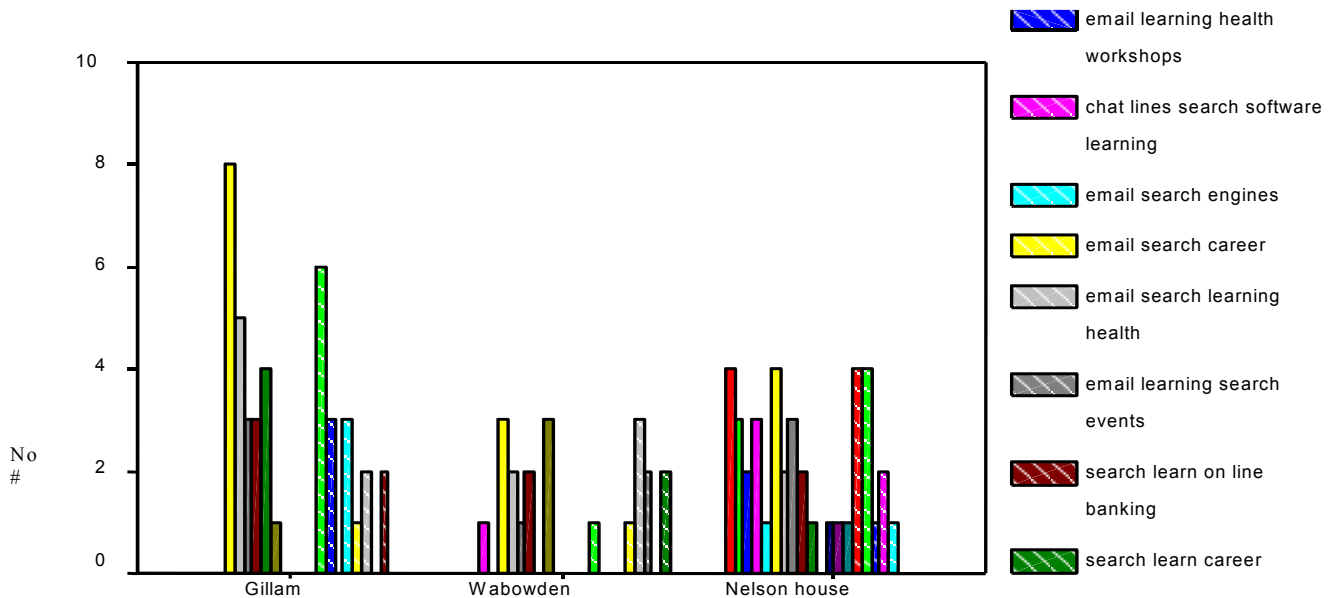
9.5% of Wabowden's population who participated used "7 out of 11 categories"  
 14% of Wabowden's population who participated said "all applicable"

**Specifically to Nelson House, the percentages were**

10% of Nelson House's population who participated used "6 out of 11 categories"  
 5% of Nelson House's population who participated used "7 out of 11 categories"  
 10% of Nelson House's population who participated used "chat lines, emails, learning, health"

**Summary**

Thirty four percent of the respondents answered that they would use 6 or more of the Internet categories. Gillam was the highest with 45%. There is a growing population who use the internet for personal purposes than business, secondly there is a growing percentage that are starting to use the internet more frequently.



**Question # 19 On average how often do you access the Internet per week?**

- 1) 1 to 3 hours
- 2) 3 to 5 hours
- 3) 10 to 15 hours
- 4) Not applicable

In terms of the total population surveyed:

53% said "1-3 hours"  
 20% said "3-5 hours"  
 10% said "10-15 hours"  
 16% said "not applicable"  
 2% provided no answer

**Specifically to Gillam, the percentages were**

61% said "1-3 hours"  
 17% said "3-5 hours"  
 15% said "10-15 hours"  
 5% said "not applicable"  
 2% provided no answer

**Specifically to Wabowden, the percentages were**

62% said "1-3 hours"  
 24% said "3-5 hours"  
 10% said "10-15 hours"

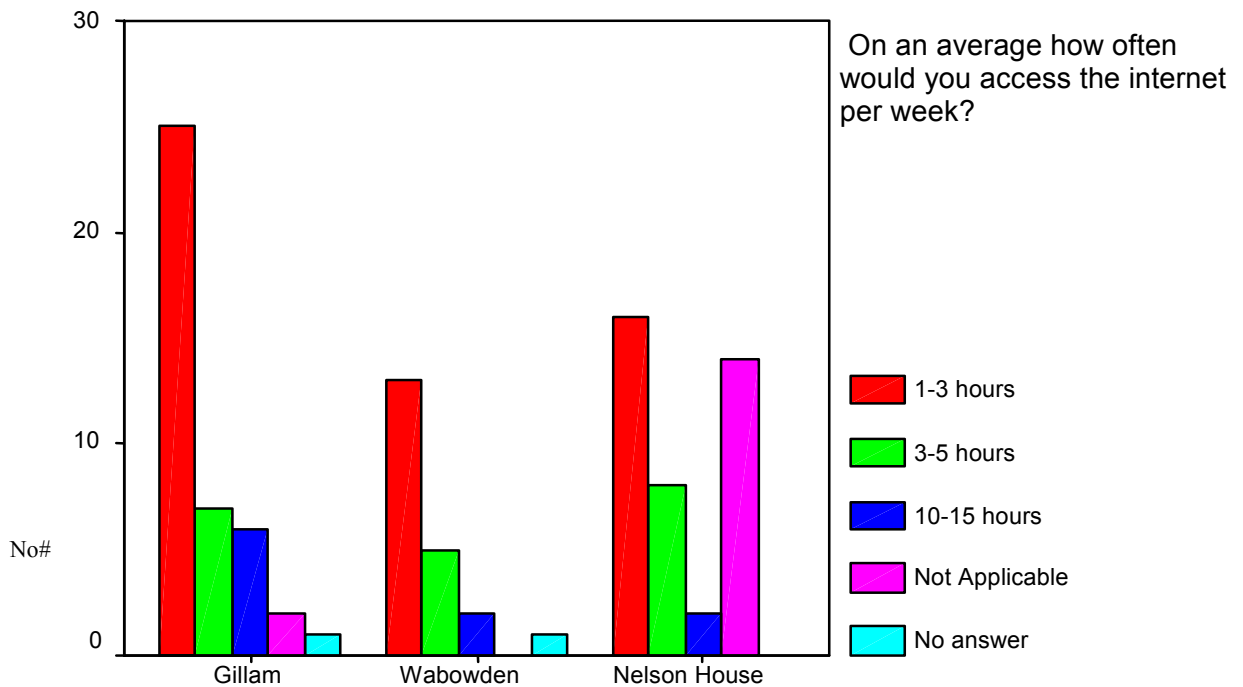
5% provided no answer

**Specifically to Nelson House, the percentages were**

40% said "1-3 hours"  
 20% said "3-5 hours"  
 5% said "10-15 hours"  
 35% said "not applicable"

**Summary**

The access levels in comparison to the age groupings provided parameters to see the ages that really do use computer. The answers were given into five categories. There was a high percentage in the 1-3 hours of use (53%) followed by the 3-5 hours (20%), Each community was high in both categories



Specify which community surveyed



**Question # 20 Where would you access the Internet?**

- 1) Work
- 2) Home
- 3) Relatives house
- 4) Community Building
- 5) Not applicable

**In terms of the total population surveyed:**

6.9% accessed the Internet at “work”  
 27% accessed the Internet at “home”  
 5% accessed the Internet at relatives house  
 10% were “not applicable”  
 29% accessed the Internet at “work and home”  
 1% in community building

**Specifically to Gillam, the percentages were**

7% accessed the Internet at “work”  
 31% accessed the Internet at “home”  
 9% were not applicable  
 9.8% accessed the Internet at “relatives, work and home”  
 1% in community building

**Specifically to Wabowden, the percentages were**

4.8% accessed the Internet at “work”  
 47% accessed the Internet at “home”

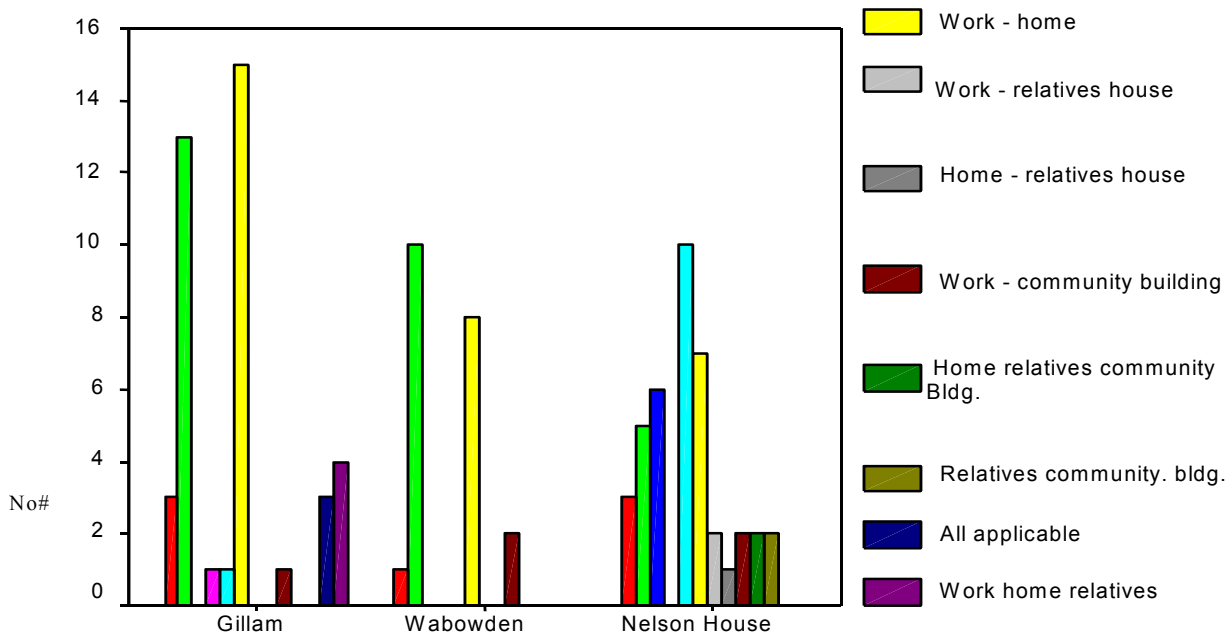
36% accessed the Internet at “work and home”

**Specifically to Nelson House, the percentages were**

7.5% accessed the Internet at “work”  
 12% accessed the Internet at “home”  
 15% accessed the Internet in a “relatives house”  
 25% answered not applicable  
 17% accessed at “home and work”

**Summary**

Over 605 of the respondents either accessed the Internet at home, at work or both. The highest level came from Wabowden at 88%. The lowest came from Nelson House at 37%. An additional 15% of the respondents from Nelson House answered they used a relatives home for access.



Specify which community surveyed

**Question #21 On a scale of 1-10 (10 rated the highest) What is your current knowledge of Information Technology?**

**In terms of the total population surveyed:**

- 9% answered "none"
- 10% answered "little"
- 11% answered "low"
- 21% answered "medium"
- 13% answered "higher medium"

- 7% answered "little"
- 5% answered "low"
- 22% answered "medium"
- 20% answered "higher medium"

**Specifically to Gillam, the percentages were**

- 17% answered "little"
- 17% answered "low"
- 22% answered "medium"

**Specifically to Wabowden, the percentages were**

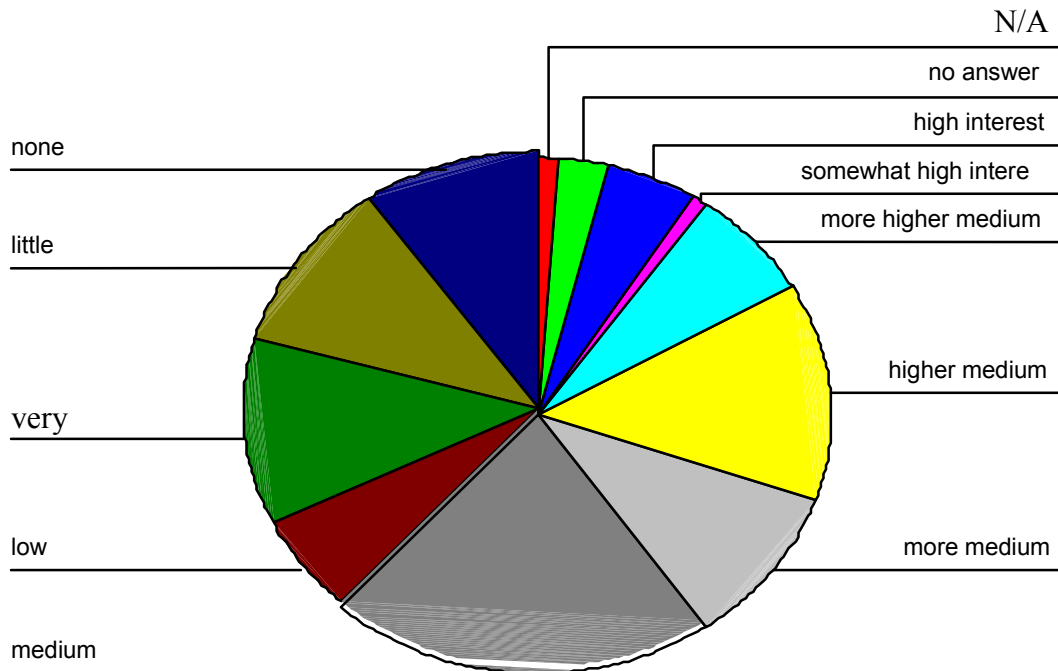
- 4% answered "little"
- 14% answered "low"
- 19% answered "medium"
- 19% answered "higher medium"

**Specifically to Nelson House, the percentages were**

**Summary**

Fifty eight percent of the respondents stated they had at least a medium level of IT knowledge. The community with the highest level of IT knowledge was Nelson House (72%). This may reflect the younger population and training received in school there. Each community percentage that stated either broke down into combination of answers to make up the remaining 100% of each population. There is a medium degree of knowledge when it comes down to knowing what is information technology. The question was not as specific as it could have been but was a general consensus question.

**What is your current Knowledge**



**Questions # 22 On a scale of 1- 10 (10 rated highest) rate your interest to learn more about Information Technology?**

**In terms of the total population surveyed:**

- 9% answered "none"
- 10% answered "little"
- 11% answered "low"
- 21% answered "medium"
- 13% answered "higher medium"

**Specifically to Gillam, the percentages were**

- 22% answered "medium"
- 12% answered "higher medium"
- 17% answered "low"

**Specifically to Wabowden, the percentages were**

- 19% answered "medium"
- 19% answered "higher medium"
- 47% answered above the medium range

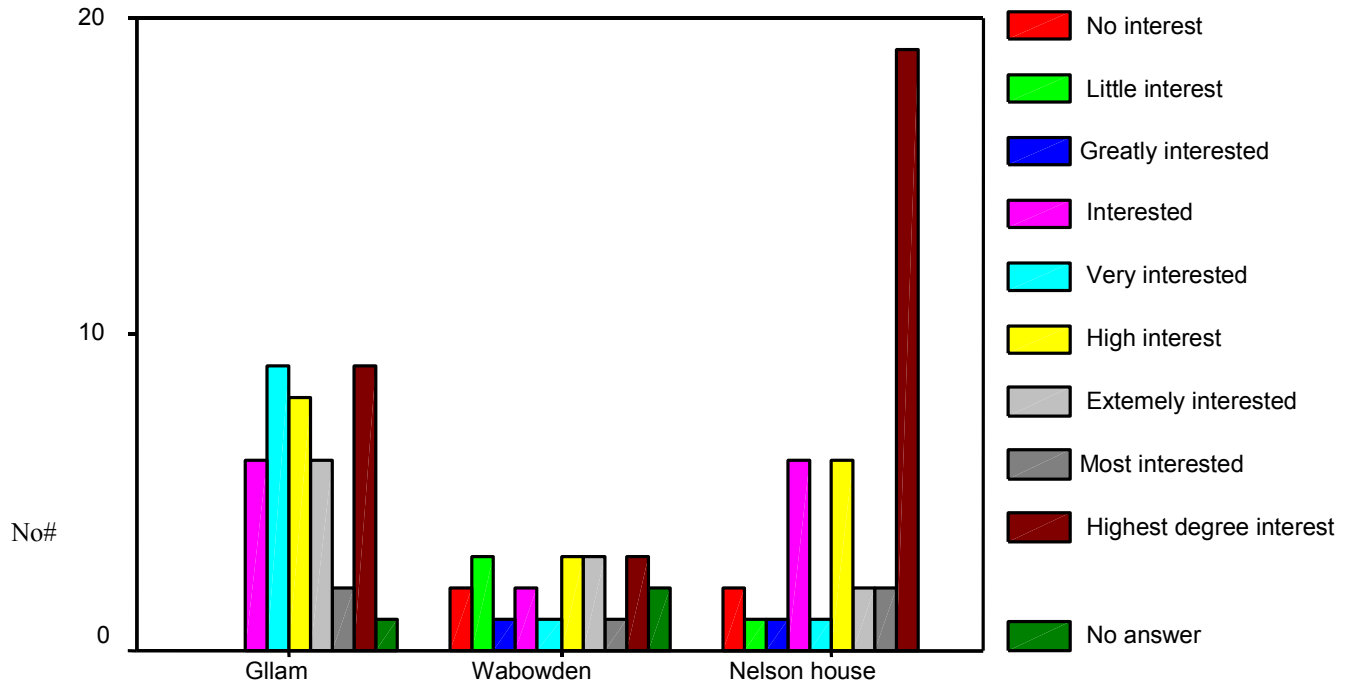
**Specifically to Nelson House, the percentages were**

- 50% answered "below medium"
- 50% answered "above medium"
- 12% answered "none"

**Summary**

There was a relevant interest in information technology. Fifty eight percent answered medium or above in interest. The majority of the participants that responded fell in the mid of the interest level. The most predominant interest range was in the medium and higher medium.

The survey participants were somewhat familiar with what was considered information technology. Given the follow up interviews there is an interest on learning about information technology but there is a growing concern about how computers can be maintained inexpensively through local technical supports in their own communities. Another question raised was how could the north keep up with the changing ways of computer technology when most of the work or training offered for such positions is offered in other regions of the province (i.e., the south).



Specify which community surveyed



**Question # 23 What is you current employment status?**

**Full time employed**      **Seasonally**  
**Part time**                **Other**  
**Student**                    **Stay at home parent**

**In terms of the total population surveyed:**

62% answered, "employed"  
 8.8% answered "part time employment"  
 3.9% answered "student"  
 3.9% answered, "seasonally employed"  
 10% answered, "stay at home parent"  
 4.9% answered "other"  
 2.9% answered, "employed student"  
 1% answered "part time student"  
 1% provided no answer

4.8% answered, "stay at home parent"  
 4.8% answered "part time student"

**Specifically to Nelson House, the percentages were**

47% answered, "employed"  
 7.5% answered "part time"  
 5% answered "student"  
 5% answered, "seasonally employed"  
 22.5% answered "stay at home parent"  
 5% answered "other"

**Specifically to Gillam, the percentages were**

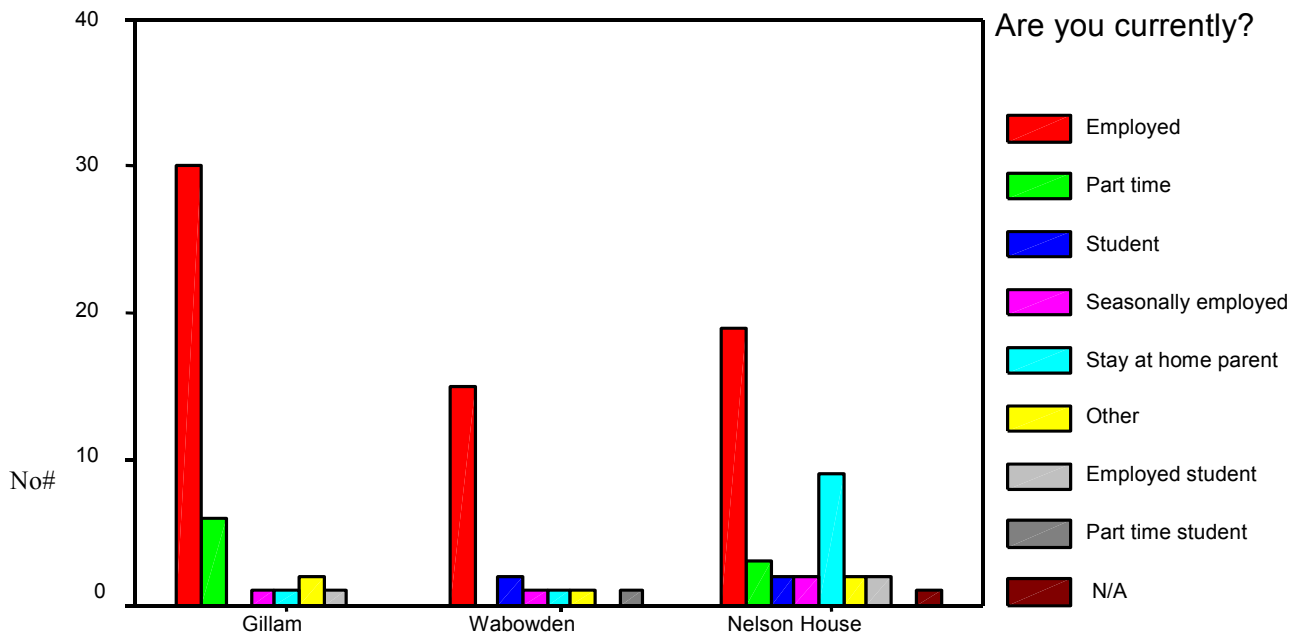
73% answered, "employed"  
 14% answered "part time"  
 2% answered, "seasonally employed"  
 2.4% answered, "stay at home parent"  
 4.9% answered "other"  
 2.4% answered, "employed student"

**Summary**

Over 60% of the respondents worked full time. This level increased in both Gillam (73%) and Wabowden (71%) In Nelson House, just under half were employed full time while an additional 23% were stay at home parents . There was a high response from the "employed" and part time employed and followed by the stay at home parents. The "other" response was not defined as retired as personally specification was not a present factor in the question.

**Specifically to Wabowden, the percentages were**

71% answered, "employed"  
 9.5% answered "student"  
 4.8% answered, "seasonally employed"

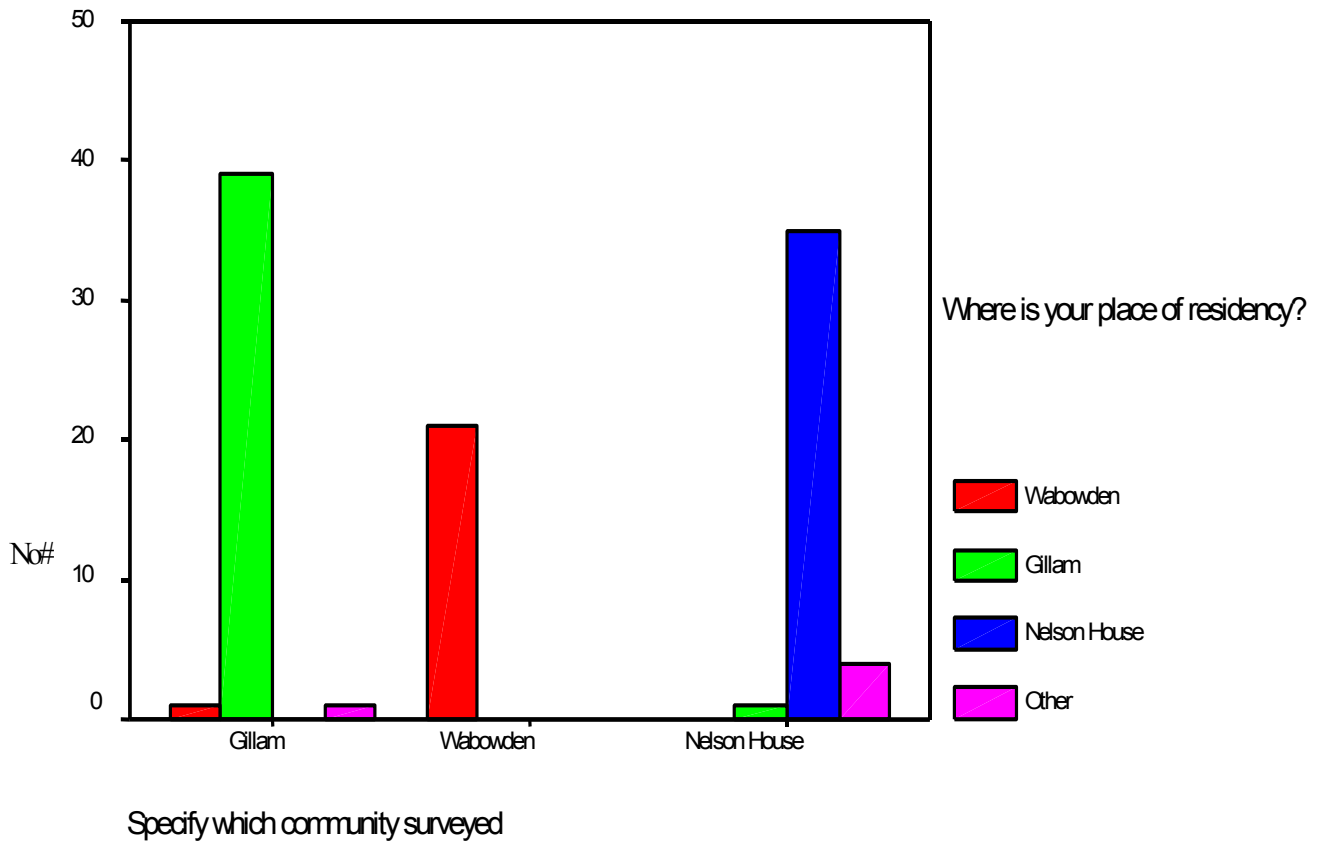


Specify which community surveyed



**Question # 24 Where is your place of residency?**

1)	Wabowden	21
2)	Gillam	41
3)	Nelson House	40
4)	Other	1



**Question # 25 What is you household income?**

- 1) Under \$19,000
- 2) \$20-40,000
- 3) \$40-60,000
- 6) Over 60,000

**In terms of the total population surveyed:**

22% answered "under \$19,000"  
 24.5% answered "\$20-40,000"  
 15% answered "\$40-60,000"  
 28% answered "over \$60,000"  
 8% answered "no answer"

**Specifically to Gillam, the percentages were**

4.9% answered "under \$19,000"  
 24.4% answered "\$20-40,000"  
 9.8% answered "\$40-60,000"  
 46.3% answered "over 60,000"  
 14% provided no answer

**Specifically to Wabowden, the percentages were**

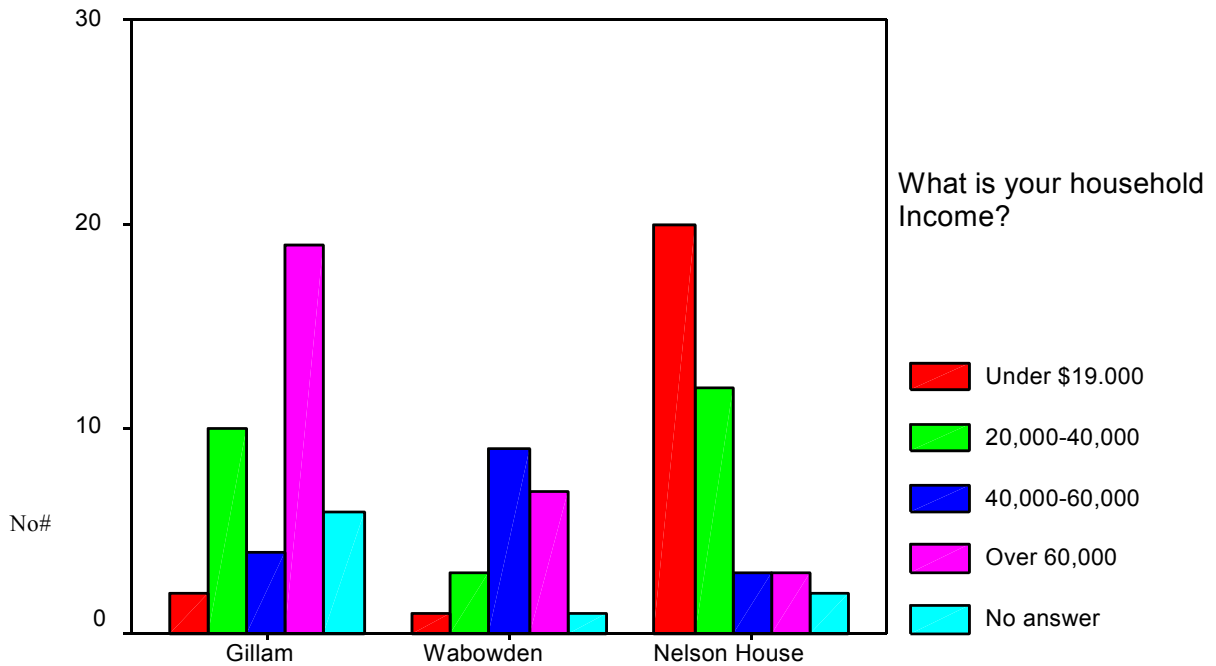
4.8% answered "under \$19,000"  
 14.3% answered "\$20-40,000"  
 42.9% answered "\$40-60,000"  
 33.3% answered "over 60,000"  
 4% provided no answer

**Specifically to Nelson House, the percentages were**

50% answered "under \$19,000"  
 30% answered "\$20-40,000"  
 7.5% answered "\$40-60,000"  
 7.5% answered "over 60,000"  
 5% provided no answer

**Summary**

The income levels were relatively equally distributed amongst each of the categories. The income levels fluctuated in the different region. In Gillam having mostly Manitoba Hydro as a prevalent employer in the community over half the respondents made over \$40,000 / Year Wabowden was even higher where three quarters of the respondents made over \$40,000. In comparison in Nelson House 80% made less than \$40,000, half the respondents there made under \$19,000 / year.



Specify which community surveyed



## Community Profile Review

### ***Gillam***

Gillam has a present population of 1,160 people, there are presently 405 dwellings. 10% of the total house dwelling was randomly sampled in this project. 61.0% owned or accessed a computer more than five years. The predominate age respondents sit in the 30-39 age groups are from Gillam which also had the oldest response 83% over 30. Just under 70% of the respondents answered married /common law with Gillam the highest (81%). 61% were females and 34.1% males, 2.9% no answer. 85.4% of Gilliam's total participant's sat with majority in the Grade 10-12 and College levels. 90% said yes to computer usage. 22% had Internet / high speed at home and work 14.6% had Internet at home. 47.6% had received certified computer training, 56% had not received certified computer training. 41% received training "last year" , 39% never received computer training. 51% said "yes" there community fits the category of a digitally divided, 22% said 'no" there community did not fit this category. 46% said "Yes" there is tech support in their community, 39% said "no" there is no tech support in their community. There is a high percentage in all communities who would attend "introductory" courses if it were available, this is especially true in Gillam 80%. 45% of Gillam used six or more Internet categories that were listed. 61% used the computer for 1-3 hours followed by 17% that used it for "3-5 hours". 22% of Gillam had a "medium" range current knowledge base of computers. 22% of Gillam had a "medium" interest level to learn about Information Technology 73% of Gillam were "employed" and 14% were working "part time".

### ***Wabowden***

Wabowden has a present population of 2,080 people, there are presently 204 house dwellings and 10% was randomly sampled in this project. 81% owned or accessed a computer more than five years, 19% owned or accessed a computer in four years or less. The predominate age group was 29% which were " between ages 30-39 years of age", 24% were " between ages 40-49 years of age. 57% of the respondents were "married or common law" 28% were " single". 76.2% were females and 19% male, 4.8% no answer. Wabowden's total respondents education levels based at 38.1% who had "Grade 10-12" and 19% had "College" followed by 42%, which had University education. 90 % of Wabowden's respondents said yes to computer usage. 54% answered not applicable to Internet scanner and digital usage. 52% of Respondents had no certified computer training where 47% did have certified computer training. 33% had received certified computer training in the last year. 14.3% said "yes" there community was categorized as digitally divided, 28.6% said "no" there community doesn't fits this category 52.4% did not know. 71.4% said no" there is no technical support in their community, 19% did not know. 52% of the respondents answered no to attending intro computer courses if they were available, 42% said yes to the same question. 34% of Wabowden's population who participated used "6 out of 11 categories that was listed. 62% used the computer for "1-3 hours" followed by 24% who used it for 3-5 hours per week. 19% had a medium range of current knowledge base of computers, 19% were in the higher medium range. 47% of the respondents had an interest to learn more about information technology. 71% of the respondents were full time employed.

## **Nelson House**

Nelson House has a population of 4811 people, there are presently 405 house dwellings and 32% owned or accessed a computer in a year or less. 48% of the respondents were “between ages 20–29 years of age,” 18% were “between ages 30-39 years of age” and 23% were “between ages 40–49 years of age. 37% of the respondents were “single” and 62% were “married or common law”. 50% were female and 47.5% male, 2.5% gave no answer. 27% of respondents had “Grade 9-10” and 37% had “Grade 10-12” followed by 7% that had “College” which was similar to 17% that had University education. 65 % of Nelson House said yes to computer usage and 27% said “No”. 22.5% had received certified computer training, 75% had not received certified computer training. 72.5% of the respondents had never received certified computer training, 10% received training in the last year. 27.5% said “no” Nelson House is not digitally divided and doesn’t fit this category 45% did not know. 40% of the respondents said “yes” there is tech support 15% said “no” there is no tech support 42.5% did not know. 77% said “yes” they would attend if introductory courses were available, 17% said “no” if introductory courses were available. 10% of Nelson House’s population who participated used “6 out of 11 categories” that were listed, 5% of Nelson House’s population who participated used “7 out of 11 categories”. 40% of the respondents used a computer for “1-3 hours” per week and 20% said “3-5 hours” per week. 22% sat in the “medium” range to current knowledge of Information technology, and 20% answered in the “higher medium” range. Nelson House had the highest interest level to learn more of information technology, which sat at in the 50% range that answered “below medium” 50% answered “above medium” in interest level. In Nelson House, just under half were employed full time 47%, while an additional 23% were stay at home parents.

## **Summary of Recommendations**





The strategy for evaluation was the establishment of baseline data, which was gathered in the provided survey data. The research project focused on identifying what barriers there are in existence to prevent future learning in Northern Manitoba. Although, there is an overall interest in learning about information technology (i.e. online course etc.). There still needs improvements in certain areas of prioritizing what is considered viable in the north.

## **THE REGION**

Information on northern Manitoba programs and services is scattered and limited. There currently exists no mechanism to bring this information together. The region needs to improve technology so local communities can adapt to the everyday changes for everyone's betterment. There are existing opportunities but communities must act together in order to establish the template for grasping today's technology for example:

- Overall improvement in IT networking and interaction with each of the northern communities within the region 24 hours a day 7 days a week
- Establish and maintenance of accessible technological network, both local and regional (i.e. help maintain regional technical supports).
- Establish a technology communications working relationships within the region (i.e. workshops to target the different ages, genders and income levels).
- Establish collaborative process and effort to improve communications programs and technological services offered to the clientele population. There is a medium degree of knowledge when it comes down to knowing what is information technology. Fifty eight percent of the total participants answered medium or above in interest in learning about IT.

## **THE COMMUNITY**

Many communities operate in isolation without a sense of connectedness to their neighbors or the region as a whole. For example Nelson House who had the highest knowledge of Information Technology 72% but also had the highest interest in on line courses 80%. This hinders the community development process as well as regional strategic planning. If there are opportunities created for local citizens of any community to attend a course so they can advance his/her technological knowledge by means of attending week long courses through community centres, halls etc. There is people in each community that are not being attended to in regards of technological training (i.e. elders and children, stay at home parents.)

- Enhance infrastructures i.e.; technological programming and computer services offered to assist those populations in need

- Enhance technical service in the communities and educate the general public on IT usage
- Enhance resources and assistance being utilized (i.e.: computer lesson tutors).
- Creation of a sense of cohesiveness and action for the betterment of the community (i.e. affordable introductory to advance computer classes/courses).

## **THE PUBLIC**

Due to the vast geographic area of northern Manitoba we need to create an approachable “user friendly” information network with southern contacts. This would address existing barriers to regional communication and the dissemination of information pertaining to education, technology and community economic development enhancement. There is the :

- Potential for the creation of additional employment opportunities within the region
- Opportunity for advanced communications awareness building
- Opportunity to work together as a team
- Pride of knowing they are contributing to the progress of a more effective technology.

It is apparent that there are a multitude of benefits that could be shared by stakeholders, the population and northern Manitoba as a whole. With the hard work and commitment of all involved, the overall improvements in Information Technology will be viewed as a necessity and a valuable asset for the northern region of Manitoba.

## Conclusion

North Central Development recognizes the importance of a project such as improvements in Information Technology. However, updating the plan will prove to be a crucial element to the enhancement of existing programs and the continued support of stakeholders. Utilizing the approach suggested would provide the Northern e-Biz Centre and the region with results that promote social equity, feasibility and connectedness. Most importantly, the individuals who access the services and programs offered would receive assistance that may be crucial to the betterment of current lifestyles.

**Appendix 1**  
**Information Technology Survey**

**Question # 1 How long have you owned or had access to a computer?**

How long have you owned or access \* specify which community surveyed

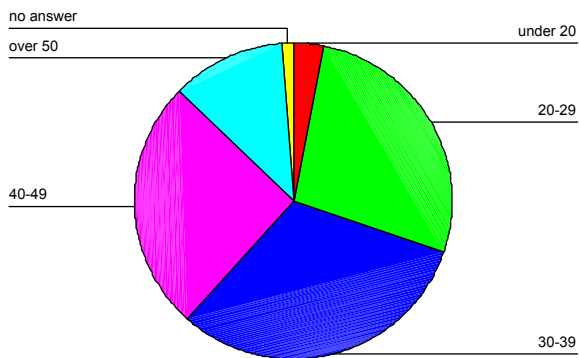
			specify which community			Total
			Gillam	Wabowden	Nelson	
how long have you owned or access	more than five	Count	25	17	8	50
		% within how long you owned or	50.0%	34.0%	16.0%	100.0%
		% within specify community	61.0%	81.0%	20.0%	49.0%
		% of	24.5%	16.7%	7.8%	49.0%
	4 or less	Count	10	4	9	23
		% within how long you owned or	43.5%	17.4%	39.1%	100.0%
		% within specify community	24.4%	19.0%	22.5%	22.5%
		% of	9.8%	3.9%	8.8%	22.5%
	1 year or Less	Count	4		13	17
		% within how long you owned or	23.5%		76.5%	100.0%
		% within specify community	9.8%		32.5%	16.7%
		% of	3.9%		12.7%	16.7%
don't have access	Count	2		10	12	
	% within how long you owned or	16.7%		83.3%	100.0%	
	% within specify community	4.9%		25.0%	11.8%	
	% of	2.0%		9.8%	11.8%	
Total	Count	41	21	40	102	
	% within how long you owned or	40.2%	20.6%	39.2%	100.0%	
	% within specify community	100.0%	100.0%	100.0%	100.0%	
	% of	40.2%	20.6%	39.2%	100.0%	

**Question #2 Please specify your present age group?**

**Specify which community surveyed \* present age group**

			present age						Total
			under	20-	30-	40-	over	no	
specify community	Gillam	Count		6	19	12	3	1	41
		% within specify community		14.6	46.3	29.3	7.3	2.4	100.0
		% within group		21.4	59.4	46.2	25.0	100.0	40.2
		% of		5.9	18.6	11.8	2.9	1.0	40.2
	Wabowden	Count	3	3	6	5	4		21
		% within specify community	14.3	14.3	28.6	23.8	19.0		100.0
		% within group	100.0	10.7	18.8	19.2	33.3		20.6
		% of	2.9	2.9	5.9	4.9	3.9		20.6
	Nelson House	Count		19	7	9	5		40
		% within specify community		47.5	17.5	22.5	12.5		100.0
		% within group		67.9	21.9	34.6	41.7		39.2
		% of		18.6	6.9	8.8	4.9		39.2
Total	Count	3	28	32	26	12	1	10	
	% within specify community	2.9	27.5	31.4	25.5	11.8	1.0	100.0	
	% within group	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
	% of	2.9	27.5	31.4	25.5	11.8	1.0	100.0	

**present age group**



**Question #3 Please specify your current status?**

**Specify which community surveyed \* Current status Crosstabulation**

			Current status			Total
			single	married/co mmon law	divorced/ widowed	
Specify which community surveyed	Gillam	Count	5	33	3	41
		% within specify which community surveyed	12.2%	80.5%	7.3%	100.0%
		% within Current status	19.2%	47.1%	50.0%	40.2%
		% of Total	4.9%	32.4%	2.9%	40.2%
	Wabowden	Count	6	12	3	21
		% within specify which community surveyed	28.6%	57.1%	14.3%	100.0%
		% within Current status	23.1%	17.1%	50.0%	20.6%
		% of Total	5.9%	11.8%	2.9%	20.6%
	Nelson House	Count	15	25		40
		% within specify which community surveyed	37.5%	62.5%		100.0%
		% within Current status	57.7%	35.7%		39.2%
		% of Total	14.7%	24.5%		39.2%
Total	Count	26	70	6	102	
	% within specify which community surveyed	25.5%	68.6%	5.9%	100.0%	
	% within Current status	100.0%	100.0%	100.0%	100.0%	
	% of Total	25.5%	68.6%	5.9%	100.0%	

**Question #4 What is your Gender?**

**Specify which community surveyed \* Gender**

			Gender				Total
			female	male	no	N/A	
Specify community	Gillam	Count	25	14	2		41
		% within specify community	61.0%	34.1%	4.9%		100.0%
		% within	41.0%	37.8%	66.7%		40.2%
		% of Total	24.5%	13.7%	2.0%		40.2%
	Wabowde	Count	16	4	1		21
		% within specify community	76.2%	19.0%	4.8%		100.0%
		% within	26.2%	10.8%	33.3%		20.6%
		% of Total	15.7%	3.9%	1.0%		20.6%
	Nelson	Count	20	19		1	40
		% within specify community	50.0%	47.5%		2.5%	100.0%
		% within	32.8%	51.4%		100.0%	39.2%
		% of Total	19.6%	18.6%		1.0%	39.2%
Total	Count	61	37	3	1	102	
	% within specify community	59.8%	36.3%	2.9%	1.0%	100.0%	
	% within	100.0%	100.0%	100.0%	100.0%	100.0%	
	% of Total	59.8%	36.3%	2.9%	1.0%	100.0%	

**Question #5 Please specify your Nationality?**

specify which community surveyed \* Nationality

			Nationality					Total
			F.N	Aboriginal non	metis	other	no	
Specify community	Gillam	Count	11	1	1	27	1	41
		% within specify community	26.8	2.4	2.4	65.9	2.4	100.0
		% within	20.8	33.3	10.0	79.4	100.0	40.2
		% of	10.8	1.0	1.0	26.5	1.0	40.2
	Wabowden	Count	5		9	7		21
		% within specify community	23.8		42.9	33.3		100.0
		% within	9.4		90.0	20.6		20.6
		% of	4.9		8.8	6.9		20.6
	Nelson House	Count	37	2				40
		% within specify community	92.5	5.0				100.0
		% within	69.8	66.7			100.0	39.2
		% of	36.3	2.0			1.0	39.2
Total	Count	53	3	10	34	1	10	
	% within specify community	52.0	2.9	9.8	33.3	1.0	100.0	
	% within	100.0	100.0	100.0	100.0	100.0	100.0	
	% of	52.0	2.9	9.8	33.3	1.0	100.0	

**Question #6 Do you speak?**

specify which community surveyed \* Do you speak

			Do you speak				Total
			English	Cree	english and french	english and cree	
Specify which community surveyed	Gillam	Count	35		1	5	41
		% within specify which community surveyed	85.4%		2.4%	12.2%	100.0%
		% within Do you speak	50.0%		100.0%	17.9%	40.2%
		% of Total	34.3%		1.0%	4.9%	40.2%
	Wabowden	Count	20	1			21
		% within specify which community surveyed	95.2%	4.8%			100.0%
		% within Do you speak	28.6%	33.3%			20.6%
		% of Total	19.6%	1.0%			20.6%
	Nelson House	Count	15	2		23	40
		% within specify which community surveyed	37.5%	5.0%		57.5%	100.0%
		% within Do you speak	21.4%	66.7%		82.1%	39.2%
		% of Total	14.7%	2.0%		22.5%	39.2%
Total	Count	70	3	1	28	102	
	% within specify which community surveyed	68.6%	2.9%	1.0%	27.5%	100.0%	
	% within Do you speak	100.0%	100.0%	100.0%	100.0%	100.0%	
	% of Total	68.6%	2.9%	1.0%	27.5%	100.0%	



**Question # 7 What is your highest Grade completed?**

Specify which community surveyed \* Highest grade completed

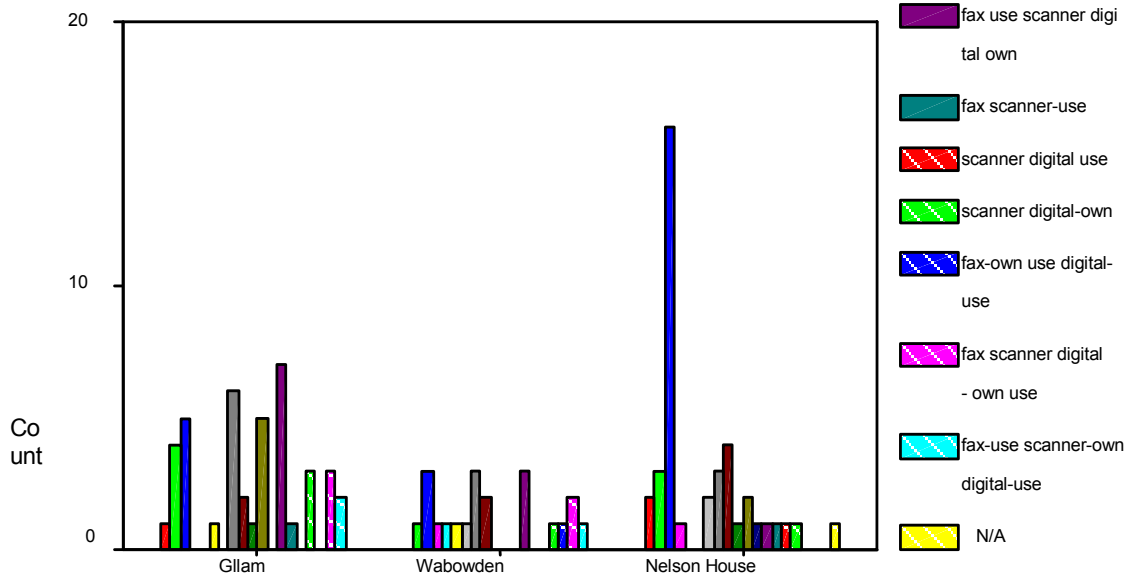
			Highest grade						Total	
			less Grade	Grade 8	Grade 9	grade to	Colle	Univers		college universi
Specify community	Gillam	Count		1	2	15	20	2	1	41
		% within specify community		2.4	4.9	36.6	48.8	4.9	2.4	100.0
		% within grade		33.3	15.4	39.5	74.1	11.1	100.0	40.2
		% of		1.0	2.0	14.7	19.6	2.0	1.0	40.2
	Wabowden	Count				8	4	9		21
		% within specify community				38.1	19.0	42.9		100.0
		% within grade				21.1	14.8	50.0		20.6
		% of				7.8	3.9	8.8		20.6
	Nelson House	Count	2	2	11	15	3	7		40
		% within specify community	5.0	5.0	27.5	37.5	7.5	17.5		100.0
		% within grade	100.0	66.7	84.6	39.5	11.1	38.9		39.2
		% of	2.0	2.0	10.8	14.7	2.9	6.9		39.2
Tot	Count	2	3	13	38	27	18	1	10	
	% within specify community	2.0	2.9	12.7	37.3	26.5	17.6	1.0	100.0	
	% within grade	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
	% of	2.0	2.9	12.7	37.3	26.5	17.6	1.0	100.0	

**Question # 8 Do you or anyone in your household use a computer?**

specify which community surveyed \* You or anyone in household use

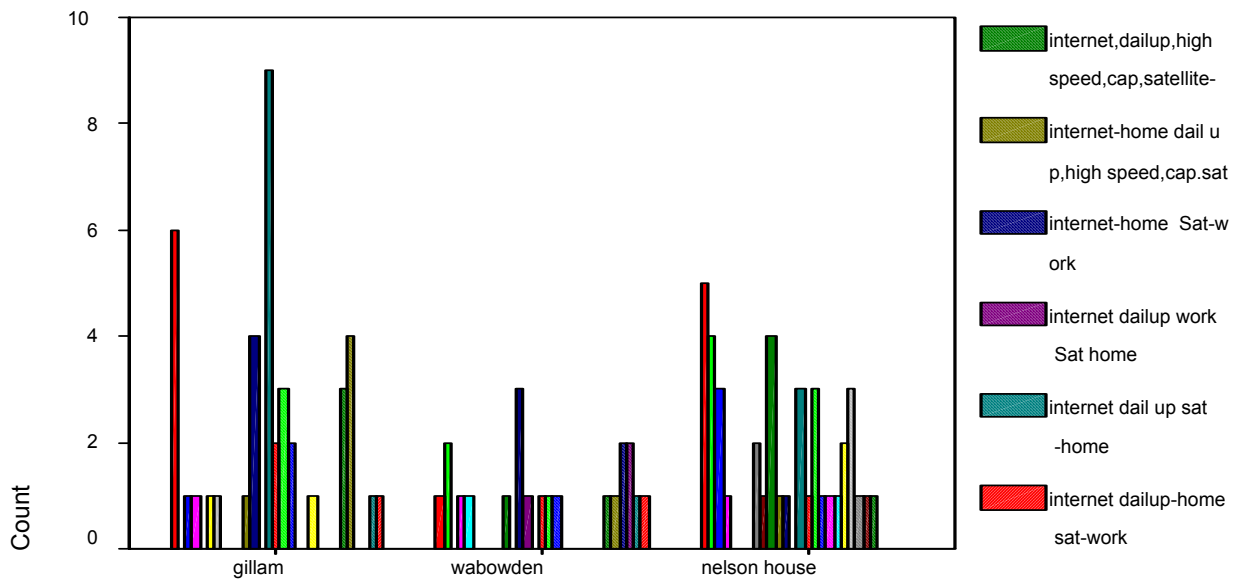
			You or anyone in						Total	
			Yes	Self	No	yes	yes relative	specify		N/a
Specify community	Gillam	Count	37		1	1	2			41
		% within specify community	90.2		2.4	2.4	4.9			100.0
		% within You or in household	45.1		8.3	50.0	66.7			40.2
		% of	36.3		1.0	1.0	2.0			40.2
	Wabowden	Count	19	1			1			21
		% within specify community	90.5	4.8			4.8			100.0
		% within You or in household	23.2	100.0			33.3			20.6
		% of	18.6	1.0			1.0			20.6
	Nelson House	Count	26		11	1		1	1	40
		% within specify community	65.0		27.5	2.5		2.5	2.5	100.0
		% within You or in household	31.7		91.7	50.0		100.0	100.0	39.2
		% of	25.5		10.8	1.0		1.0	1.0	39.2
Total	Count	82	1	12	2	3	1	1	102	
	% within specify community	80.4	1.0	11.8	2.0	2.9	1.0	1.0	100.0	
	% within You or in household	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
	% of	80.4	1.0	11.8	2.0	2.9	1.0	1.0	100.0	

**Question # 9 Do you own or use the following?**



specify which community surveyed

**Question # 10 Where would you use each of the following internet types?**



specify which community surveyed

**Question # 11 Have you ever received certified computer training ?**

Specify which community surveyed \* Have you received computer training

			Have you received			Total
			yes	no	N/A	
Specify community	Gilla	Coun	23	18		41
		% within specify community	56.1%	43.9%		100.0
		% within Have received	54.8%	30.5%		40.2%
		% of	22.5%	17.6%		40.2%
	Wabowde	Coun	10	11		21
		% within specify community	47.6%	52.4%		100.0
		% within Have received	23.8%	18.6%		20.6%
		% of	9.8%	10.8%		20.6%
	Nelson	Coun	9	30	1	40
		% within specify community	22.5%	75.0%	2.5%	100.0
		% within Have received	21.4%	50.8%	100.0	39.2%
		% of	8.8%	29.4%	1.0%	39.2%
Total	Coun	42	59	1	102	
	% within specify community	41.2%	57.8%	1.0%	100.0	
	% within Have received	100.0	100.0	100.0	100.0	
	% of	41.2%	57.8%	1.0%	100.0	

**Question # 12 If you have received computer training when did you receive it?**

specify which community surveyed \* When did you receive

			When did you receive					Tota
			this	last	neve	specif	no	
specify community	Gillam	Coun	2	17	16	3	3	41
		% within specify community	4.9	41.5	39.0	7.3	7.3	100.0
		% within When did receive	66.7	60.7	29.1	42.9	33.3	40.2
		% of	2.0	16.7	15.7	2.9	2.9	40.2
	Wabowden	Count	1	7	10	2	1	21
		% within specify community	4.8	33.3	47.6	9.5	4.8	100.0
		% within When did receive	33.3	25.0	18.2	28.6	11.1	20.6
		% of	1.0	6.9	9.8	2.0	1.0	20.6
	Nelson House	Count		4	29	2	5	40
		% within specify community		10.0	72.5	5.0	12.5	100.0
		% within When did receive		14.3	52.7	28.6	55.6	39.2
		% of		3.9	28.4	2.0	4.9	39.2
Total	Count	3	28	55	7	9	102	
	% within specify community	2.9	27.5	53.9	6.9	8.8	100.0	
	% within When did receive	100.0	100.0	100.0	100.0	100.0	100.0	
	% of	2.9	27.5	53.9	6.9	8.8	100.0	

**Question # 13 The” digitally divided” means a community is separating from outside Internet resources, Do you think your community fits this category?**

specify which community surveyed \* Do you think your com. fits this cat.

			Do you think your com. fits this				Total
			yes	no	don't	no answer	
Specify community	Gillam	Coun	21	9	9	2	41
		% within specify community	51.2%	22.0%	22.0%	4.9%	100.0
		% within Do you your com. fits this	61.8%	34.6%	23.7%	50.0%	40.2%
		% of	20.6%	8.8%	8.8%	2.0%	40.2%
	Wabowden	Coun	3	6	11	1	21
		% within specify community	14.3%	28.6%	52.4%	4.8%	100.0
		% within Do you your com. fits this	8.8%	23.1%	28.9%	25.0%	20.6%
		% of	2.9%	5.9%	10.8%	1.0%	20.6%
	Nelson House	Coun	10	11	18	1	40
		% within specify community	25.0%	27.5%	45.0%	2.5%	100.0
		% within Do you your com. fits this	29.4%	42.3%	47.4%	25.0%	39.2%
		% of	9.8%	10.8%	17.6%	1.0%	39.2%
Total	Coun	34	26	38	4	102	
	% within specify community	33.3%	25.5%	37.3%	3.9%	100.0	
	% within Do you your com. fits this	100.0	100.0	100.0	100.0	100.0	
	% of	33.3%	25.5%	37.3%	3.9%	100.0	

**Question # 14 Is technical support available in your community (Computer software maintenance)?**

specify which community surveyed \* Is technical support available

			Is technical support				Total
			ye	no	don't	no	
Specify community	Gillam	Coun	19	16	5	1	41
		% within specify community	46.3	39.0	12.2	2.4	100.0
		% within Is support	51.4	43.2	19.2	50.0	40.2
		% of	18.6	15.7	4.9	1.0	40.2
	Wabowden	Coun	2	15	4		21
		% within specify community	9.5	71.4	19.0		100.0
		% within Is support	5.4	40.5	15.4		20.6
		% of	2.0	14.7	3.9		20.6
	Nelson House	Coun	16	6	17	1	40
		% within specify community	40.0	15.0	42.5	2.5	100.0
		% within Is support	43.2	16.2	65.4	50.0	39.2
		% of	15.7	5.9	16.7	1.0	39.2
Total	Coun	37	37	26	2	102	
	% within specify community	36.3	36.3	25.5	2.0	100.0	
	% within Is support	100.0	100.0	100.0	100.0	100.0	
	% of	36.3	36.3	25.5	2.0	100.0	

**Question # 15 If Introductory computer courses were available would you be interested in attending?**

specify which community surveyed \* If course were available

			If course were					Tota
			yes	no	not	yes- applicab	no	
Specify community	Gillam	Coun	33	7			1	41
		% within specify community	80.5	17.1			2.4	100.0
		% within If were	45.2	28.0			100.0	40.2
		% of	32.4	6.9			1.0	40.2
	Wabowden	Coun	9	11	1			21
		% within specify community	42.9	52.4	4.8			100.0
		% within If were	12.3	44.0	50.0			20.6
		% of	8.8	10.8	1.0			20.6
	Nelson House	Coun	31	7	1	1		40
		% within specify community	77.5	17.5	2.5	2.5		100.0
		% within If were	42.5	28.0	50.0	100.0		39.2
		% of	30.4	6.9	1.0	1.0		39.2
Total	Coun	73	25	2	1	1	102	
	% within specify community	71.6	24.5	2.0	1.0	1.0	100.0	
	% within If were	100.0	100.0	100.0	100.0	100.0	100.0	
	% of	71.6	24.5	2.0	1.0	1.0	100.0	

**Question # 16 Are you currently enrolled in a distance education programs online?**

Specify which community surveyed \* Are you currently enrolled in a DEP

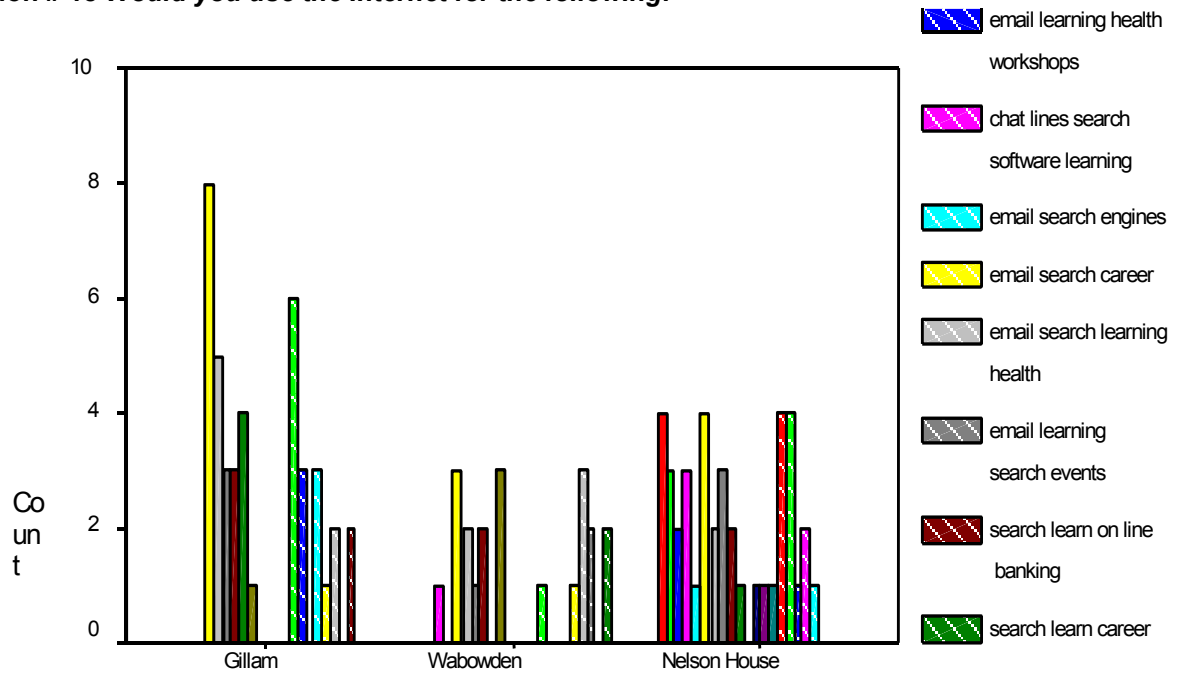
			Are you currently enrolled in				Tota
			yes	no	not	yes applicab	
specify community	Gilla	Coun	3	38			41
		% within specify community	7.3	92.7			100.0
		% within Are you enrolled in a	60.0	40.0			40.2
		% of	2.9	37.3			40.2
	wabowde	Coun	1	20			21
		% within specify community	4.8	95.2			100.0
		% within Are you enrolled in a	20.0	21.1			20.6
		% of	1.0	19.6			20.6
	nelson	Coun	1	37	1	1	40
		% within specify community	2.5	92.5	2.5	2.5	100.0
		% within Are you enrolled in a	20.0	38.9	100.0	100.0	39.2
		% of	1.0	36.3	1.0	1.0	39.2
Tota	Coun	5	95	1	1	102	
	% within specify community	4.9	93.1	1.0	1.0	100.0	
	% within Are you enrolled in a	100.0	100.0	100.0	100.0	100.0	
	% of	4.9	93.1	1.0	1.0	100.0	

**Question #17 Would you take computer classes on line if they were offered?**

Specify which community surveyed \* Would you take Comp.classes online

			Would you take				Tota
			Yes	No	Maybe	N/A	
Specify community	Gilla	Coun	18	6	17		41
		% within specify community	43.9	14.6	41.5		100.0
		% within Would you Comp.classes	30.5	37.5	65.4		40.2
		% of	17.6	5.9	16.7		40.2
	Wabowden	Coun	9	9	3		21
		% within specify community	42.9	42.9	14.3		100.0
		% within Would you Comp.classes	15.3	56.3	11.5		20.6
		% of	8.8	8.8	2.9		20.6
	Nelson House	Coun	32	1	6	1	40
		% within specify community	80.0	2.5	15.0	2.5	100.0
		% within Would you Comp.classes	54.2	6.3	23.1	100.0	39.2
		% of	31.4	1.0	5.9	1.0	39.2
Tota	Coun	59	16	26	1	102	
	% within specify community	57.8	15.7	25.5	1.0	100.0	
	% within Would you Comp.classes	100.0	100.0	100.0	100.0	100.0	
	% of	57.8	15.7	25.5	1.0	100.0	

**Question # 18 Would you use the Internet for the following:**



Specify which community surveyed

**Question # 19 How often do you access the Internet?**

specify which community surveyed \* How often would you access the

			How often would you access					Tota
			1-3	3-5	10-15	No Applicabl	no	
specify community	Gillam	Cou	25	7	6	2	1	41
		% within specify community	61.0	17.1	14.6	4.9	2.4	100.0
		% within How often you access the	46.3	35.0	60.0	12.5	50.0	40.2
		% of	24.5	6.9	5.9	2.0	1.0	40.2
	Wabowden	Cou	13	5	2		1	21
		% within specify community	61.9	23.8	9.5		4.8	100.0
		% within How often you access the	24.1	25.0	20.0		50.0	20.6
		% of	12.7	4.9	2.0		1.0	20.6
	Nelson House	Count	16	8	2	14		40
		% within specify community	40.0	20.0	5.0	35.0		100.0
		% within How often you access the	29.6	40.0	20.0	87.5		39.2
		% of	15.7	7.8	2.0	13.7		39.2
Total	Count	54	20	10	16	2	10	
	% within specify community	52.9	19.6	9.8	15.7	2.0	100.0	
	% within How often you access the	100.0	100.0	100.0	100.0	100.0	100.0	
	% of	52.9	19.6	9.8	15.7	2.0	100.0	



**Question # 20 Where would you access the Internet?**

specify which community surveyed \* Where

			Where would you												To	
			wo	ho	relat ho	Com buil	N appli	work -	wor relat ho	ho relat ho	wor com buil	ho relat com.	relat com.	all		work relat
specify community	Gillam Co	Count	3	1		1	1	1			1			3	4	4
		% within community	7.3	31.		2.4	2.4	36.			2.4			7.3	9.8	100.
		% within you access	42.	46.		100.	9.1	50.			20.			100.	100.	40.
		% of	2.9	12.		1.0	1.0	14.			1.0			2.9	3.9	40.
	Wabowden Co	Count	1	1				8			2					2
		% within community	4.8	47.				38.			9.5					100.
		% within you access	14.	35.				26.			40.					20.
		% of	1.0	9.8				7.8			2.0					20.
	Nelson House	Count	3	5	6		1	7	2	1	2	2	2			4
		% within community	7.5	12.	15.		25.	17.	5.0	2.5	5.0	5.0	5.0			100.
		% within you access	42.	17.	100.		90.	23.	100.	100.	40.	100.	100.			39.
		% of	2.9	4.9	5.9		9.8	6.9	2.0	1.0	2.0	2.0	2.0			39.
Total	Count	7	2	6	1	1	3	2	1	5	2	2	3	4	1	
	% within community	6.9	27.	5.9	1.0	10.	29.	2.0	1.0	4.9	2.0	2.0	2.9	3.9	100.	
	% within you access	100.	100.	100.	100.	100.	100.	100.	100.	100.	100.	100.	100.	100.	100.	
	% of	6.9	27.	5.9	1.0	10.	29.	2.0	1.0	4.9	2.0	2.0	2.9	3.9	100.	

**Question #21 On a scale of 1-10 (10 rated the highest) What is your current knowledge of Information Technology?**

specify which community surveyed \* What is your current

			What is your current											Tot		
			1	2	3	4	5	6	7	8	9	10	no		N/A	
specify community	Gillam Co	Count	4	7	7	3	9	2	5	2		1			1	4
		% within community	9.8	17.1	17.1	7.3	22.0	4.9	12.2	4.9		2.4			2.4	100.
		% within What current	40.0	63.6	58.3	50.0	40.9	20.0	35.7	28.6		20.0			100.	40.2
		% of	3.9	6.9	6.9	2.9	8.8	2.0	4.9	2.0		1.0			1.0	40.2
	Wabowden Co	Count	1	1	3	2	4		4	2		1	3			2
		% within community	4.8	4.8	14.3	9.5	19.0		19.0	9.5		4.8	14.3			100.
		% within What current	10.0	9.1	25.0	33.3	18.2		28.6	28.6		20.0	100.			20.6
		% of	1.0	1.0	2.9	2.0	3.9		3.9	2.0		1.0	2.9			20.6
	Nelson House	Count	5	3	2	1	9	8	5	3	1	3				4
		% within community	12.5	7.5	5.0	2.5	22.5	20.0	12.5	7.5	2.5	7.5				100.
		% within What current	50.0	27.3	16.7	16.7	40.9	80.0	35.7	42.9	100.	60.0				39.2
		% of	4.9	2.9	2.0	1.0	8.8	7.8	4.9	2.9	1.0	2.9				39.2
Total	Count	1	1	1	6	2	1	1	7	1	5	3	1	10		
	% within community	9.8	10.8	11.8	5.9	21.6	9.8	13.7	6.9	1.0	4.9	2.9	1.0	100.		
	% within What current	100.	100.	100.	100.	100.	100.	100.	100.	100.	100.	100.	100.	100.		
	% of	9.8	10.8	11.8	5.9	21.6	9.8	13.7	6.9	1.0	4.9	2.9	1.0	100.		

**Question # 22 on a scale of 1- 10 (10 rated highest) rate your interest to learn more about Information Technology?**

specify which community surveyed \*What is your

			What is your											Tot	
			1	2	3	4	5	6	7	8	9	10	no answe		N/A
specify community	Gillam	Cou	4	7	7	3	9	2	5	2		1		1	4
		% within community	9.8	17.1	17.1	7.3	22.0	4.9	12.2	4.9		2.4		2.4	100.
		% within current	40.0	63.6	58.3	50.0	40.9	20.0	35.7	28.6		20.0		100.	40.2
		% of	3.9	6.9	6.9	2.9	8.8	2.0	4.9	2.0		1.0		1.0	40.2
	Wabowden	Cou	1	1	3	2	4		4	2		1	3		2
		% within community	4.8	4.8	14.3	9.5	19.0		19.0	9.5		4.8	14.3		100.
		% within current	10.0	9.1	25.0	33.3	18.2		28.6	28.6		20.0	100.		20.6
		% of	1.0	1.0	2.9	2.0	3.9		3.9	2.0		1.0	2.9		20.6
	Nelson House	Cou	5	3	2	1	9	8	5	3	1	3			4
		% within community	12.5	7.5	5.0	2.5	22.5	20.0	12.5	7.5	2.5	7.5			100.
		% within current	50.0	27.3	16.7	16.7	40.9	80.0	35.7	42.9	100.	60.0			39.2
		% of	4.9	2.9	2.0	1.0	8.8	7.8	4.9	2.9	1.0	2.9			39.2
Total	Cou	1	1	1	6	2	1	1	7	1	5	3	1	10	
	% within community	9.8	10.8	11.8	5.9	21.6	9.8	13.7	6.9	1.0	4.9	2.9	1.0	100.	
	% within current	100.	100.	100.	100.	100.	100.	100.	100.	100.	100.	100.	100.	100.	
	% of	9.8	10.8	11.8	5.9	21.6	9.8	13.7	6.9	1.0	4.9	2.9	1.0	100.	

**Question # 23 Are you currently?**

specify which community surveyed \* Are you currently

			Are you								Tot		
			Employ	Part	Stude	Seasona employ	Stay at pare	Othe	employ stude	part stude		N/	
specify community	gilla	Cou	30	6		1	1	2	1				41
		% within specify community	73.2	14.6		2.4	2.4	4.9	2.4				100.0
		% within Are you	46.9	66.7		25.0	9.1	40.0	33.3				40.2
		% of	29.4	5.9		1.0	1.0	2.0	1.0				40.2
	wabowd	Cou	15		2	1	1	1		1			21
		% within specify community	71.4		9.5	4.8	4.8	4.8		4.8			100.0
		% within Are you	23.4		50.0	25.0	9.1	20.0		100.0			20.6
		% of	14.7		2.0	1.0	1.0	1.0		1.0			20.6
	nelson	Cou	19	3	2	2	9	2	2		1		40
		% within specify community	47.5	7.5	5.0	5.0	22.5	5.0	5.0		2.5		100.0
		% within Are you	29.7	33.3	50.0	50.0	81.8	40.0	66.7		100.0		39.2
		% of	18.6	2.9	2.0	2.0	8.8	2.0	2.0		1.0		39.2
Tot	Cou	64	9	4	4	11	5	3	1	1		10	
	% within specify community	62.7	8.8	3.9	3.9	10.8	4.9	2.9	1.0	1.0		100.0	
	% within Are you	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		100.0	
	% of	62.7	8.8	3.9	3.9	10.8	4.9	2.9	1.0	1.0		100.0	

**Question # 24 Where is your place of residency?**

See page 37

**Question #25 What is your household income?**

specify which community surveyed \* What is your household income Crosstabulation

			What is your household income					Total
			under \$19,000	20,000-40,000	40,000-60,000	over 60,000	no answer	
specify which community surveyed	gillam	Count	2	10	4	19	6	41
		% within specify which community surveyed	4.9%	24.4%	9.8%	46.3%	14.6%	100.0%
		% within What is your household income	8.7%	40.0%	25.0%	65.5%	66.7%	40.2%
		% of Total	2.0%	9.8%	3.9%	18.6%	5.9%	40.2%
	wabowden	Count	1	3	9	7	1	21
		% within specify which community surveyed	4.8%	14.3%	42.9%	33.3%	4.8%	100.0%
		% within What is your household income	4.3%	12.0%	56.3%	24.1%	11.1%	20.6%
		% of Total	1.0%	2.9%	8.8%	6.9%	1.0%	20.6%
	nelson house	Count	20	12	3	3	2	40
		% within specify which community surveyed	50.0%	30.0%	7.5%	7.5%	5.0%	100.0%
		% within What is your household income	87.0%	48.0%	18.8%	10.3%	22.2%	39.2%
		% of Total	19.6%	11.8%	2.9%	2.9%	2.0%	39.2%
Total	Count	23	25	16	29	9	102	
	% within specify which community surveyed	22.5%	24.5%	15.7%	28.4%	8.8%	100.0%	
	% within What is your household income	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	
	% of Total	22.5%	24.5%	15.7%	28.4%	8.8%	100.0%	

**Appendix 2**  
**Map of Northern Manitoba**

# Appendix 3

## Budget

**Appendix 4**  
**Notes to Budget**