



COMMUNITY HOUSING STUDY  
**MAYO HOUSING REPORT**  
NOVEMBER, 2000



MAYO  
COMMUNITY HOUSING REPORT

A STUDY ON HOUSING QUALITY

*A Research Project by:*

**Yukon Housing Corporation**

**Report Date: November 2000**

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# MAYO COMMUNITY HOUSING REPORT

## EXECUTIVE SUMMARY

### GENERAL INFORMATION

The Yukon Housing Corporation, in conjunction with the Northern Research Institute, undertook a housing study in Mayo in January 1999. The purpose of the study was to look at the quality of housing in the community. A total of 66, randomly selected, households were interviewed.

This summary provides key highlights of the Mayo housing study. The study looks at dwelling adequacy, dwelling affordability, dwelling suitability, access to home ownership, as well as seniors and elders needs. It also compares Mayo with the Yukon.

## DWELLING ADEQUACY – KEY HIGHLIGHTS

The study looks at *dwelling adequacy*, which refers to:

- the energy efficiency of the dwelling;
- the state of repair of the dwelling;
- the presence or absence of basic facilities in the dwelling;
- the need for health and safety considerations in the dwelling including running water, electricity, heat, and smoke alarms; and
- the desire of the occupants to improve the dwelling.

### ENERGY EFFICIENCY

Almost 41 percent of Mayo households pay more than \$2 per square foot to heat their homes (page 10)<sup>1</sup>. A number of factors come into play when considering energy costs including the type of window pane, the thickness of walls, and the kind of heating system. Energy related repair needs in Mayo are 50 percent versus 14 percent for the Yukon (page 22).

### STATE OF REPAIR

Sixty-four percent of all dwellings in Mayo require major repairs compared with 33 percent in the Yukon (page 25). Just over 45 percent of Mayo households require major repairs to wall, foundations, floors, and ceilings (page 27). Fifty-three percent of dwellings require minor repairs (page 30). Minor repairs include such things as windows, insulation and foundation repairs (page 31). The state of household repair needed in Mayo is higher than Yukon wide results.

### BASIC FACILITIES

Ninety-two percent of the Mayo dwellings have basic amenities such as hot and cold water, toilet, sink, bath and electricity while 8 percent lack some basic facilities (page 33). The Yukon wide results show 4 percent of dwellings lacking basic facilities.

### HEALTH AND SAFETY DEFICIENCIES

Forty-seven percent of Mayo dwellings have health and safety deficiencies (page 35). These deficiencies may range from not having a kitchen exhaust system to not having adequate sewage disposal. For example, 15 percent of dwellings do not have working smoke alarms (page 36). Results are very similar between Mayo and the Yukon.

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<sup>1</sup> The page numbers identified throughout this summary refer to the data in the Mayo Community Housing Report.

## **DESIRED IMPROVEMENTS**

Respondents stated they would like to make improvements including remodeling a kitchen to remodeling a bathroom. Just over 9 percent of respondents would like to do major repairs to the dwelling's structure (page 42). Another 9.1 percent would like to do other major repairs or changes to the dwelling.

## **DWELLING AFFORDABILITY - KEY HIGHLIGHTS**

The study looks at *dwelling affordability*, which refers to:

- whether the occupants pay 30 percent of their gross income for shelter costs.

## **AFFORDABILITY PROBLEM**

Fifty-four percent of Mayo respondents do not have an affordability problem while 17 percent have a potential problem. Only 2 percent have an affordability problem (page 44). Mayo and Yukon results are similar.

## **DWELLING SUITABILITY – KEY HIGHLIGHTS**

The study looks at *dwelling suitability*, which refers to:

- the number of bedrooms in the dwelling; and
- the ease of access for the disabled and elderly.

## **CROWDING**

Crowding is not a significant issue in Mayo. Eight percent of Mayo households do not have enough bedrooms (page 46). This compares with 6 percent for the Yukon.



## ACCESSIBILITY FOR DISABLED AND ELDERLY

Just over 19 percent of Mayo households have one disabled person (page 49). These households are generally equipped with accessibility features such as wheel chair access and raised counters. However, 15.4 percent of Mayo households with at least one disabled person require ramps, 7.7 percent require wheelchair access, and 7.7 percent require lever handles (page 51).

## ACCESS TO HOME OWNERSHIP – KEY HIGHLIGHTS

The study looks at *access to home ownership* in terms of:

- reasons for renting.

### RENTING

There are many reasons why people choose to rent rather than buy their own homes. In the study, renters' responses range from "there is a lack of desirable housing in the community" to "not wanting to upkeep a home." Excluding the "Other" category, the most significant reasons given, at 25 percent in each case, for not purchasing a home in Mayo is down payment and the renters' short stay in the community (page 53).

## SENIORS AND ELDERLY NEEDS - KEY HIGHLIGHTS

The study looks at the *needs of seniors and elders* in terms of:

- dwelling suitability.

### DWELLING SUITABILITY

Senior households make up 23 percent of Mayo households (page 55). Unlike the Yukon at 36.5 percent, 60 percent of respondents in Mayo said mobility was the biggest problem for seniors in their homes (page 60).

# COMMUNITY HOUSING STUDIES METHODOLOGY

## BACKGROUND

In 1986, national census data was released that indicated the need for improved housing quality in Yukon. That data suggested that housing quality in the territory was among the lowest in Canada. Since then, the Yukon Housing Corporation has strengthened existing programs and created new programs to assist Yukoners to improve the quality of their housing.

The Yukon Housing Corporation wishes to continue its effort to help Yukoners improve their housing. In order to do that, the Yukon Housing Corporation requires good quality information to determine if its programs are helping to improve housing in the Yukon, and to possibly refocus the Yukon Housing Corporation's policies, programs and services to meet the needs identified by Yukoners.

## STUDY DESIGN

In an effort to get up-to-date information on housing conditions and the housing needs of Yukoners, the Yukon Housing Corporation designed and managed a housing data collection project that consisted of a series of community housing surveys completed throughout the Yukon. These surveys were carefully designed to obtain answers to the Yukon Housing Corporation's critical policy questions. These policy questions can be grouped into three general standards of housing quality. These standards are also used to assess housing quality throughout Canada. They are:

- *Dwelling Adequacy* (physical condition): refers to the presence or absence of basic health and safety features in the home, for example, running water, electricity, heat, smoke alarms are basic health and safety features.
- *Dwelling Affordability* (dwelling costs with respect to household income): refers to a measure of the ability of the occupants to pay for their housing. This includes an analysis of the affordability of home ownership as compared to home renting.
- *Dwelling Suitability* (factors such as crowding and accessibility): refers to the appropriateness of the dwelling for the current occupants. For example, is the home accessible for its occupants, or are there enough bedrooms. This section included a special analysis of seniors' and elders' needs.

Each of these three housing quality standards contains sub-themes. For example, the first one, *Dwelling Adequacy*, is comprised of the following:

- Energy Efficiency,
- State of Repair,
- Presence or Absence of Basic Facilities,
- Health and Safety Items, and

□ Desirable Improvements.

The information provided in the responses to the community housing surveys allows the Yukon Housing Corporation to determine the quality of dwellings in each community.

This housing quality indicator report provides a summary of the responses to the questions in the community housing survey. It also provides information on a Yukon wide basis to allow the reader to compare housing conditions in your community with those in the Yukon in general.

## PROCESS

The Yukon Housing Corporation contracted with the Northern Research Institute to complete the door-to-door surveying. The Northern Research Institute recruited and trained the surveyors, and administered the survey.

Community Housing Surveys were completed for the communities of Beaver Creek, Burwash Landing, Carcross, Carmacks, Dawson City, Destruction Bay, Haines Junction, Marsh Lake, Mayo, Ross River, Teslin, Watson Lake, and Whitehorse.

In each of the 13 communities surveyed, the local government, and the relevant First Nation government were informed of, and included in the process. Their assistance was critical to our success in obtaining excellent quality housing data in these studies. In return, Yukon Housing Corporation committed to providing this report on housing quality to these communities.

The Northern Research Institute hired interviewers from each community with the exception of one community where no local people applied for the positions. In every case, the local government and the relevant First Nation government office were contacted in advance of the survey. In many communities, Yukon Housing Corporation and Northern Research Institute staff met with officials from those offices to review the surveying process in the community and to provide information to those concerned.

## SAMPLE DESIGN AND SAMPLE SIZE

The Yukon Housing Corporation and the Northern Research Institute physically mapped all occupied dwellings in each of the communities that were surveyed. From this “population” of dwellings, we randomly sampled a specific number of households to interview. For each community, Yukon Housing Corporation determined the correct number of households to survey in such a way as to make the quality of the data the same in each community. As a result, in each community, the data is statistically accurate within 10 percent, 19 times out of 20. In Mayo, 66 households were surveyed out of an estimated 202 dwellings.

## TIME OF DATA COLLECTION

The surveying was done in Mayo in January 1999.

## DATA QUALITY

A random sample survey was completed for each community. Of the approximately 11,700 households in the Yukon, 2,138 households were surveyed through this process. In each community, this survey yielded very high quality, statistically valid data. The confidence interval of the data is 95 percent; the margin of error is 10 percent <sup>2</sup>.

## USEFULNESS OF DATA

The housing data is stored in a database that will allow us to look at the data in a variety of ways in order to assess the housing conditions and needs of many different groups within the Yukon population. By analyzing the data in a variety of ways, the Yukon Housing Corporation will be able to make the best possible program and policy decisions to help Yukoners improve their housing.

The data will also provide communities and First Nations with a useful tool that will help them to make decisions about housing improvement priorities.

Data can be provided in more detailed breakdowns and cross-tabulations. It can also be provided in the form of customized report. For example, an energy report will be prepared.

## CONFIDENTIALITY

Yukon Housing Corporation is obliged to protect the identities of individual respondents. In general, no information that is confidential under the provisions of the *Statistics Act* and the *Access to Information and Protection of Privacy Act* will be divulged.

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<sup>2</sup> When a sample survey is conducted, the results depend on who was selected to be in the survey. A different sample of people might yield different results. The amount of variability in the results obtained from different samples is called the sampling error. We can measure the sampling error by applying statistical formulas. This error can be reported in various ways, one of which is a confidence interval. A confidence interval is a range of likely values. When a sample survey is conducted, we can estimate the proportion of people with some characteristic. Often accompanying the point estimate, a 95 percent confidence interval is given. If you repeated the survey over and over, 95 percent of the time the result would be within the given range, which in this case, is 10 percent.

## REPORT FORMAT

This report will consist of a series of pages of charts. Each page will focus on one specific housing topic. The top chart on each page will show the data for that topic from each community, and the bottom chart will show the corresponding Yukon wide data. The data is presented in this way to allow easy comparison of community data with that of the territory as a whole.

In many cases, the charts will show one factor against another factor. Please note, one factor alone is not completely predictive of another factor. In most cases, there are numerous factors that influence the end result.

In the report, a series of charts are presented. For example, energy costs are considered in the context of wall thickness versus energy costs per square foot; window type versus energy costs per square foot; and measures to control energy loss versus energy costs per square foot. These comparisons allow the reader to draw conclusions about the total effect of all of the factors regarding energy costs per square foot.

## USE OF INFORMATION

Data is provided for information purposes only. Interpretation and use of data in decision making is the sole responsibility of the user.

# 1 DWELLING ADEQUACY

The following characteristics of dwellings were used as indicators of the adequacy of the dwelling:

- energy efficiency,
- state of repair,
- basic facilities, presence or absence,
- health and safety considerations, presence or absence of various features, and
- desirable improvements.

## 1.1 ENERGY EFFICIENCY

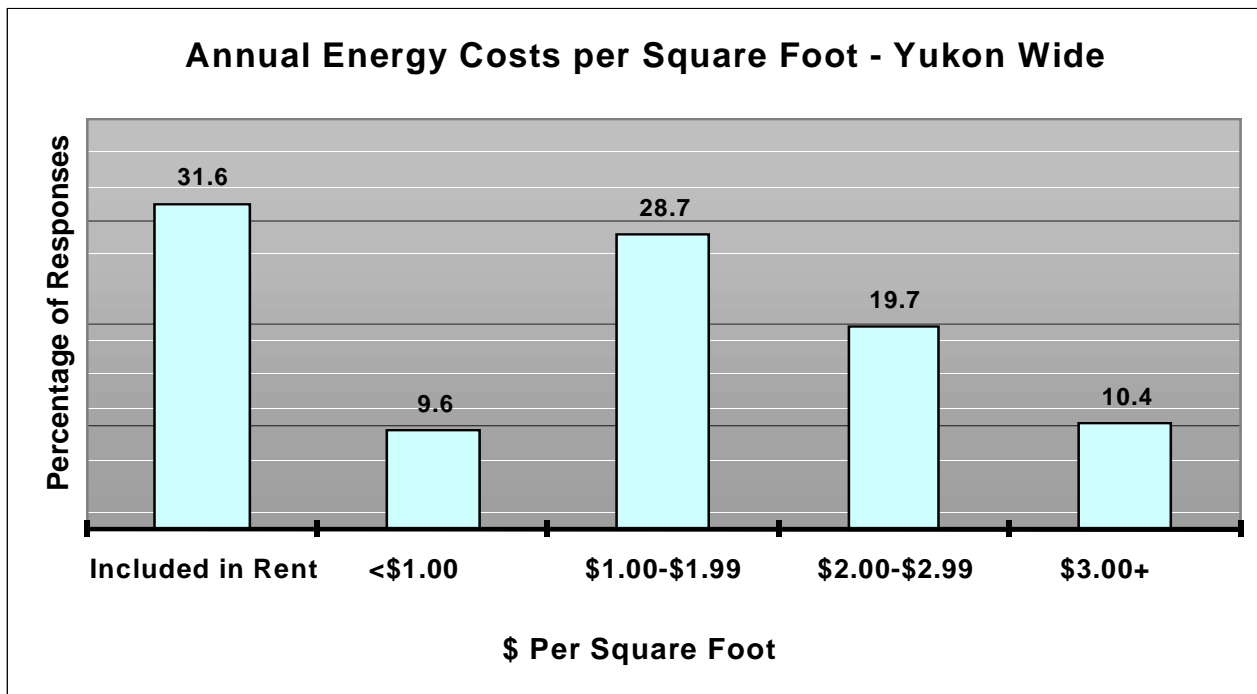
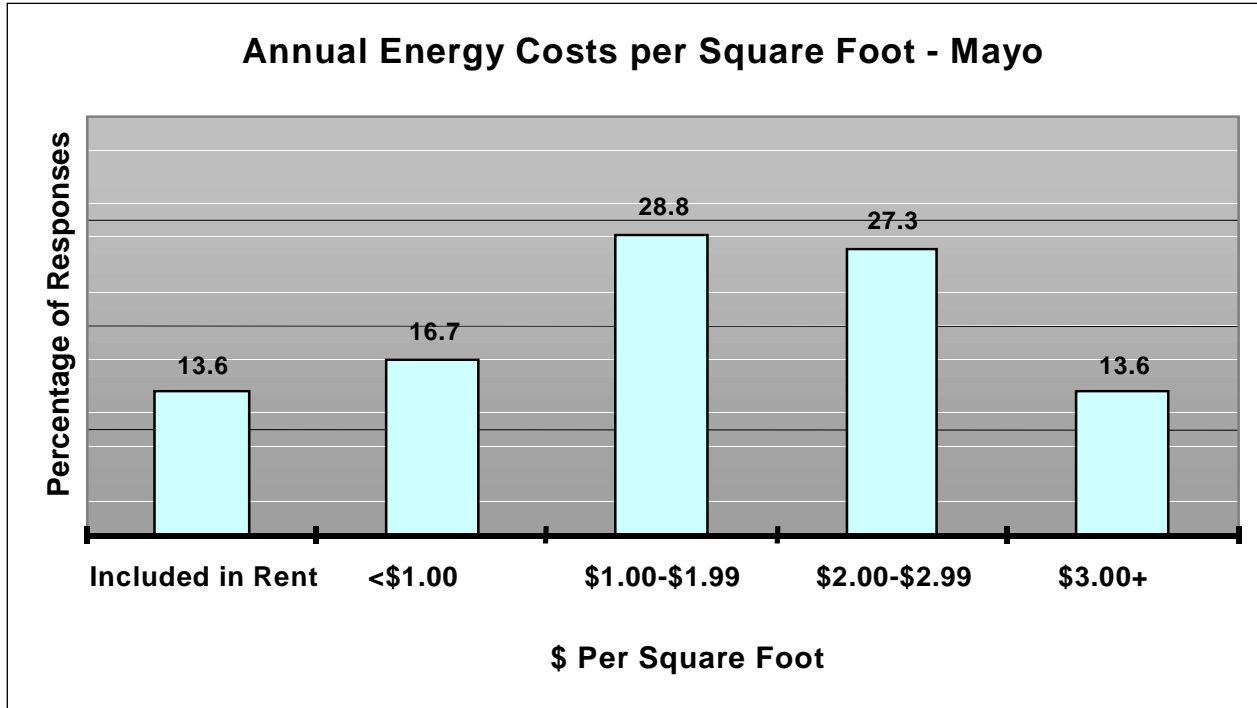
The following 12 sub-themes illustrate various factors related to the energy efficiency of dwellings in Mayo and the Yukon:<sup>3</sup>

- ⇒ **ANNUAL ENERGY COST PER SQUARE FOOT,**
- ⇒ **ANNUAL ENERGY COST VERSUS DWELLING SIZE,**
- ⇒ **ANNUAL ENERGY COST VERSUS DWELLING TYPE,**
- ⇒ **ANNUAL ENERGY COST PER SQUARE FOOT VERSUS AGE OF THE DWELLING,**
- ⇒ **ANNUAL ENERGY COST VERSUS DWELLING'S MAIN WINDOW TYPE,**
- ⇒ **ANNUAL ENERGY COST VERSUS DWELLING'S MAIN WINDOW PANE TYPE,**
- ⇒ **ANNUAL ENERGY COST VERSUS DWELLING'S WALL THICKNESS,**
- ⇒ **ANNUAL ENERGY COST VERSUS DWELLING'S MAIN HEATING FUEL,**
- ⇒ **ANNUAL ENERGY COST VERSUS DWELLING'S MAIN HEATING SYSTEM,**
- ⇒ **ANNUAL ENERGY COST VERSUS HEAT LOSS PREVENTION MEASURES,**
- ⇒ **PERCENTAGE OF DWELLINGS WITH AN ENERGY RELATED REPAIR NEED,**
- ⇒ **ANNUAL ENERGY COST PER SQUARE FOOT VERSUS ENERGY RELATED REPAIR NEED.**

<sup>3</sup> ANNUAL ENERGY COST PER SQUARE FOOT: In calculating the energy cost per square foot, it should be noted that dwelling square footage includes the main floor and the second floor if applicable. It does not include the basement square footage even if the basement is heated. As well, the calculation of the annual energy cost includes the annual cost of heating fuel and the annual cost of electricity.

### 1.1.1 ANNUAL ENERGY COST PER SQUARE FOOT

These bar charts depict heating costs per square foot that households pay in Mayo and in the Yukon.

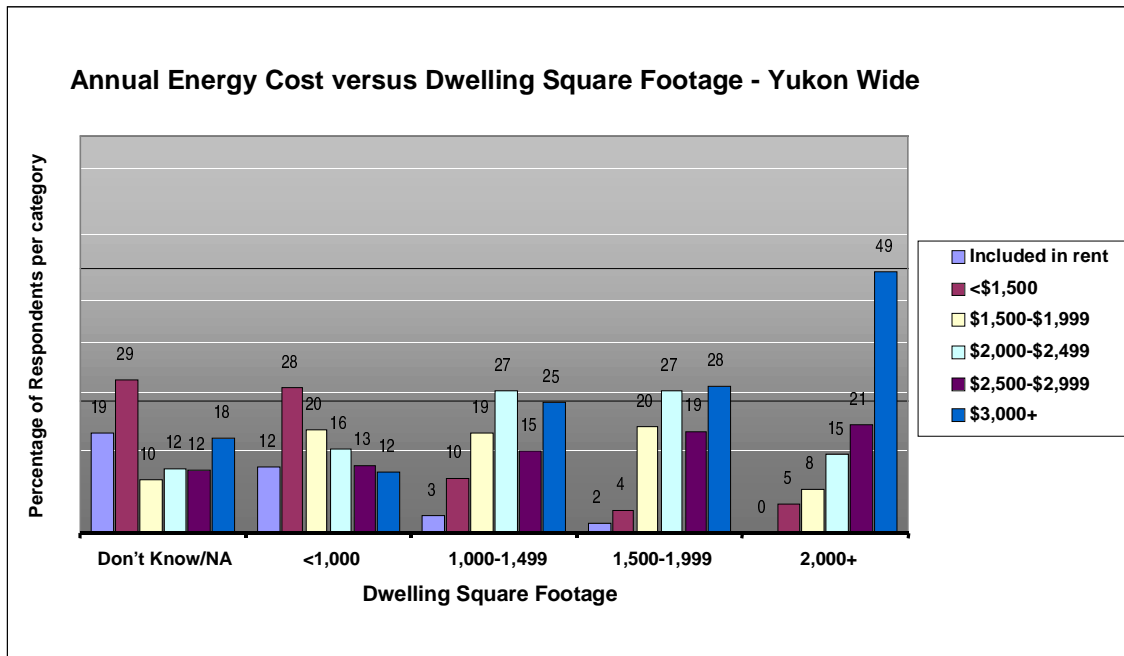
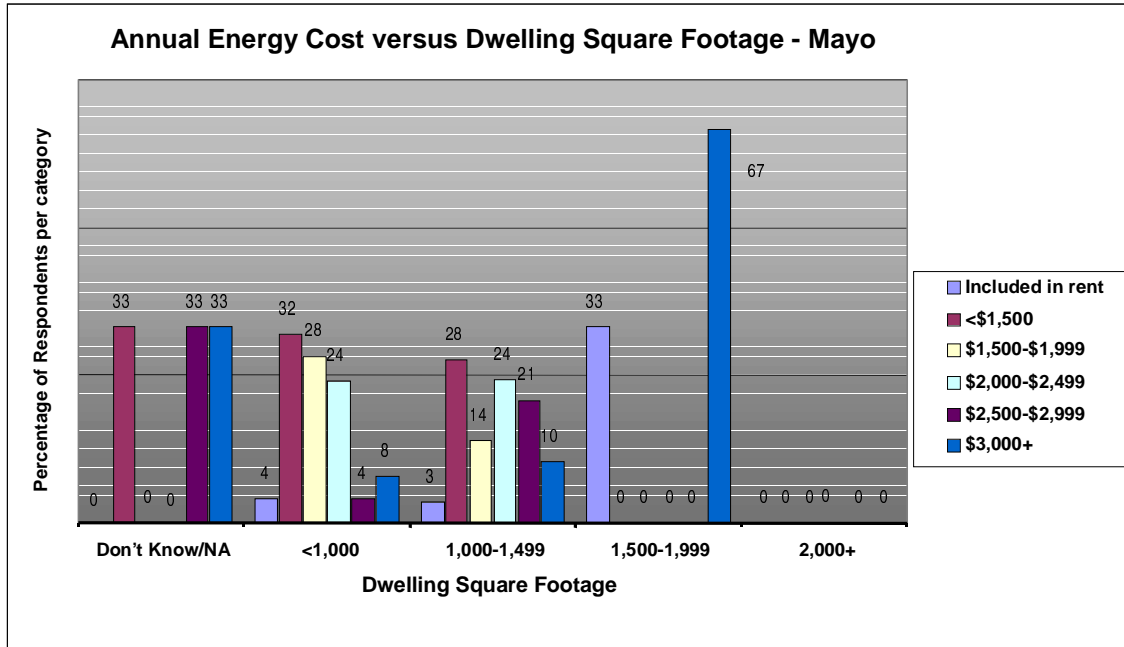


#### HIGHLIGHTS

- A greater percentage of households in Mayo than the Yukon pay more than \$2 per square foot for heating energy.
- 40.9 percent of Mayo households and 30.1 percent of Yukon households pay over \$2 per square foot annually to heat their dwellings.

## 1.1.2 ANNUAL ENERGY COST VERSUS DWELLING SIZE

These bar charts show the relationship between annual energy costs for householders and the square footage of their dwellings.



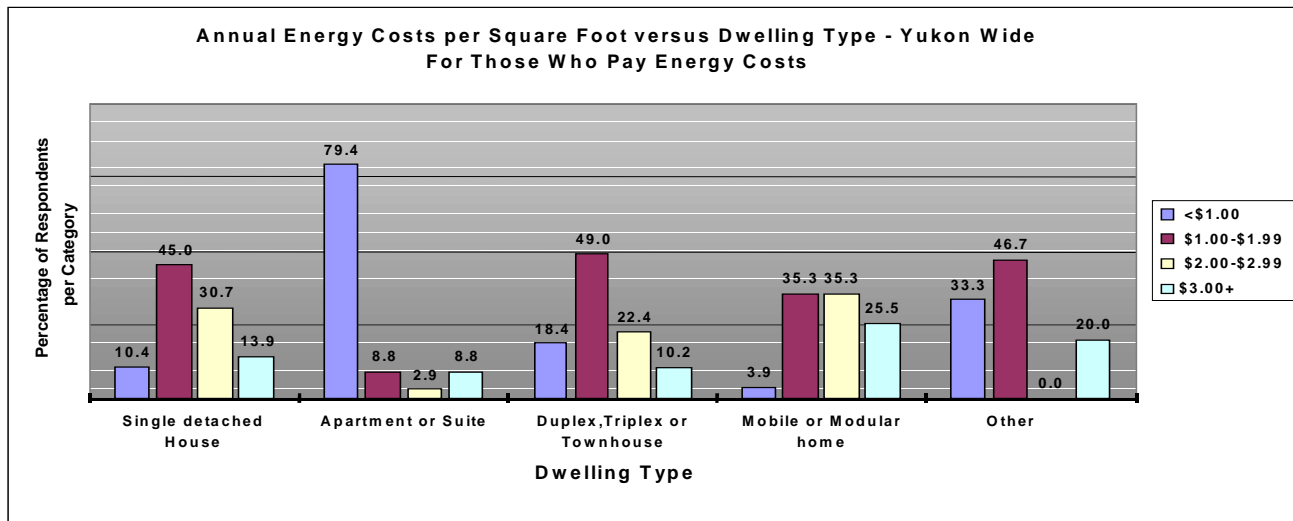
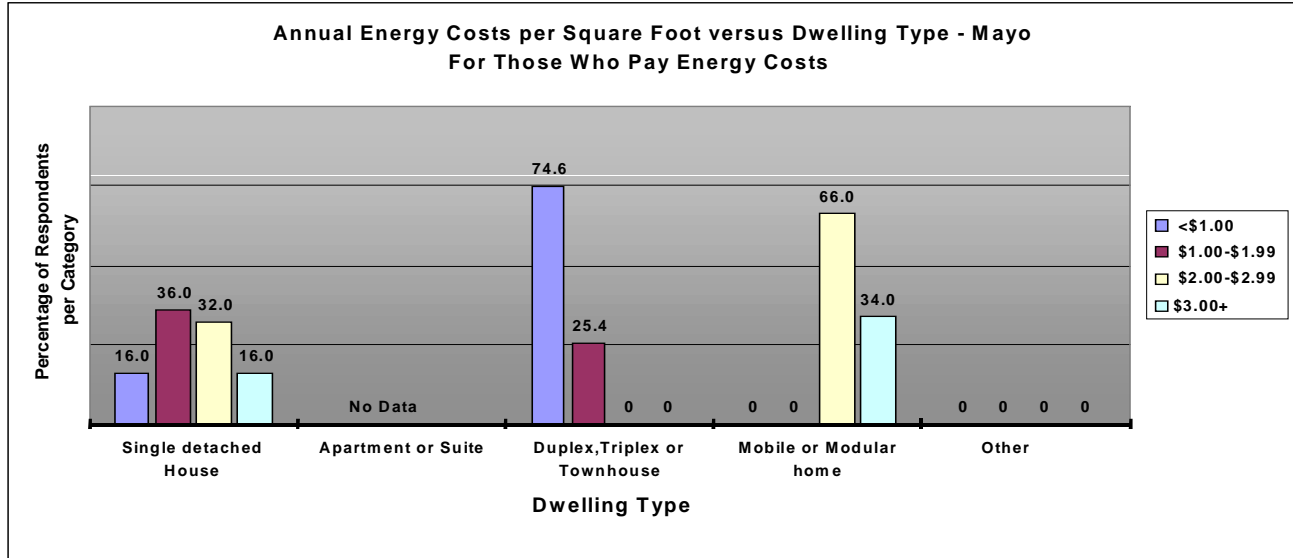
### HIGHLIGHTS

- Dwellings exceeding 2000 square feet are not represented in Mayo.
- Energy costs of more than \$1,500 per year are represented in each category.



### 1.1.3 ANNUAL ENERGY COST VERSUS DWELLING TYPE

These bar charts show the relationship between annual energy costs per square foot for householders and the dwelling type.

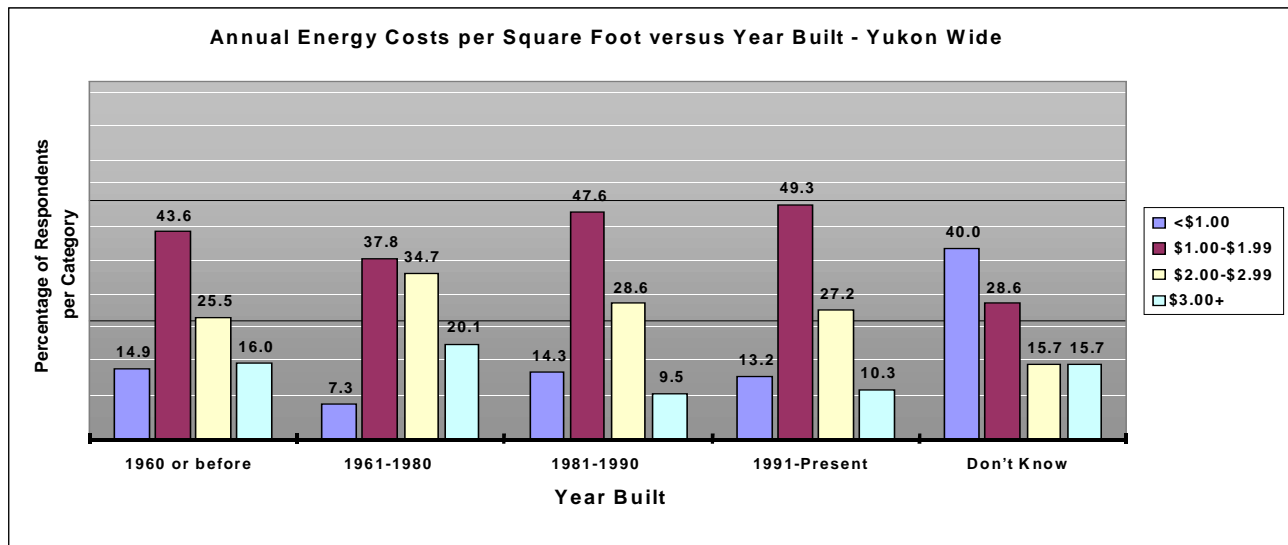
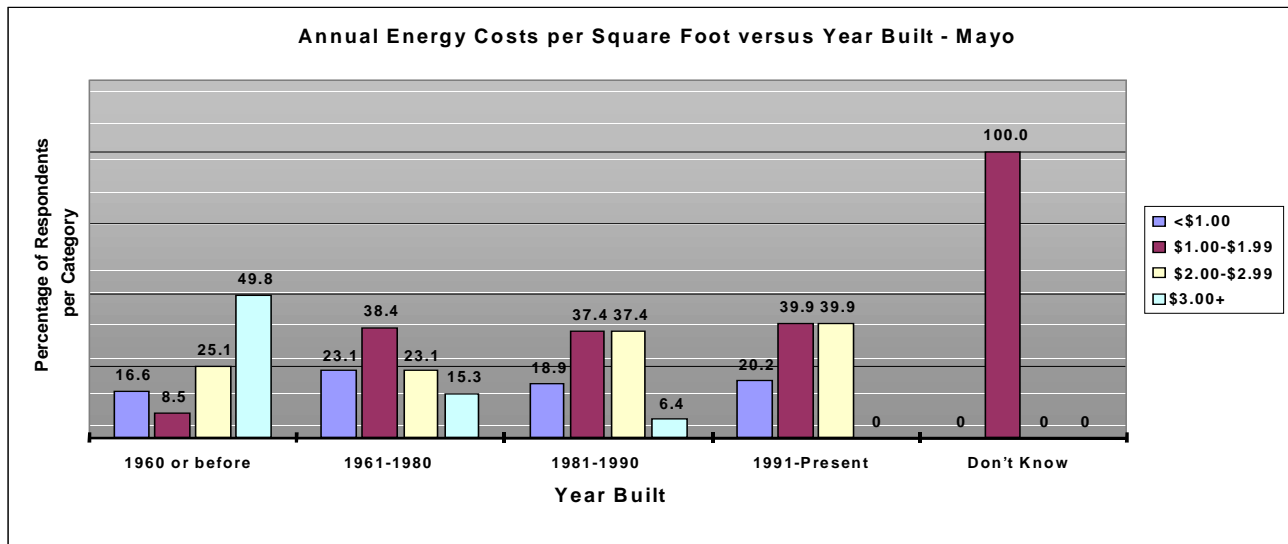


#### HIGHLIGHTS

- ❑ Mobile or modular homes tend to be the most expensive per square foot.
- ❑ In Mayo, heating costs tend to be lower in duplexes, triplexes or townhouses. Approximately 75 percent of these units have heating costs lower than \$1 per square foot.
- ❑ Caution is advised in interpreting these results. Percentages are potentially misleading in the case of small populations as the actual numbers of dwellings in each category is quite small.
- ❑ The “Other” category includes dwellings that do not fit into any other category, for example, a five-plex or a mobile home with additions.

## 1.1.4 ANNUAL ENERGY COST PER SQUARE FOOT VERSUS AGE OF THE DWELLING

These bar charts show the relationship between annual energy costs per square foot for householders and the age of the dwelling.

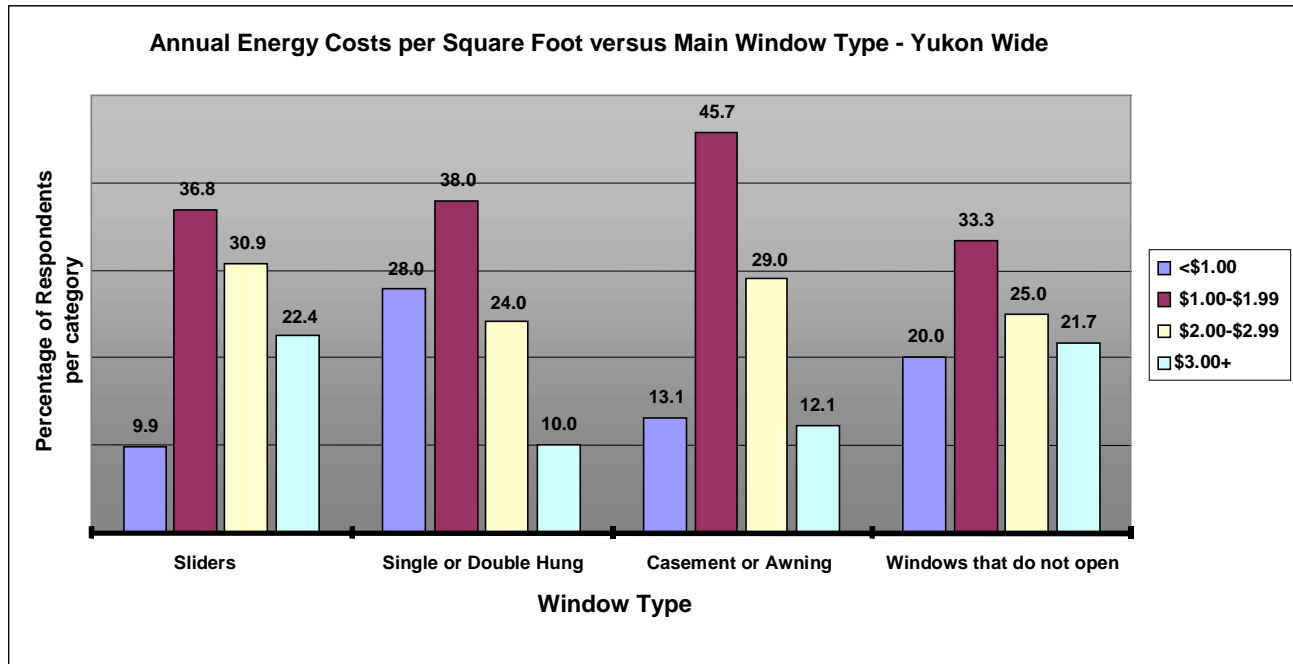
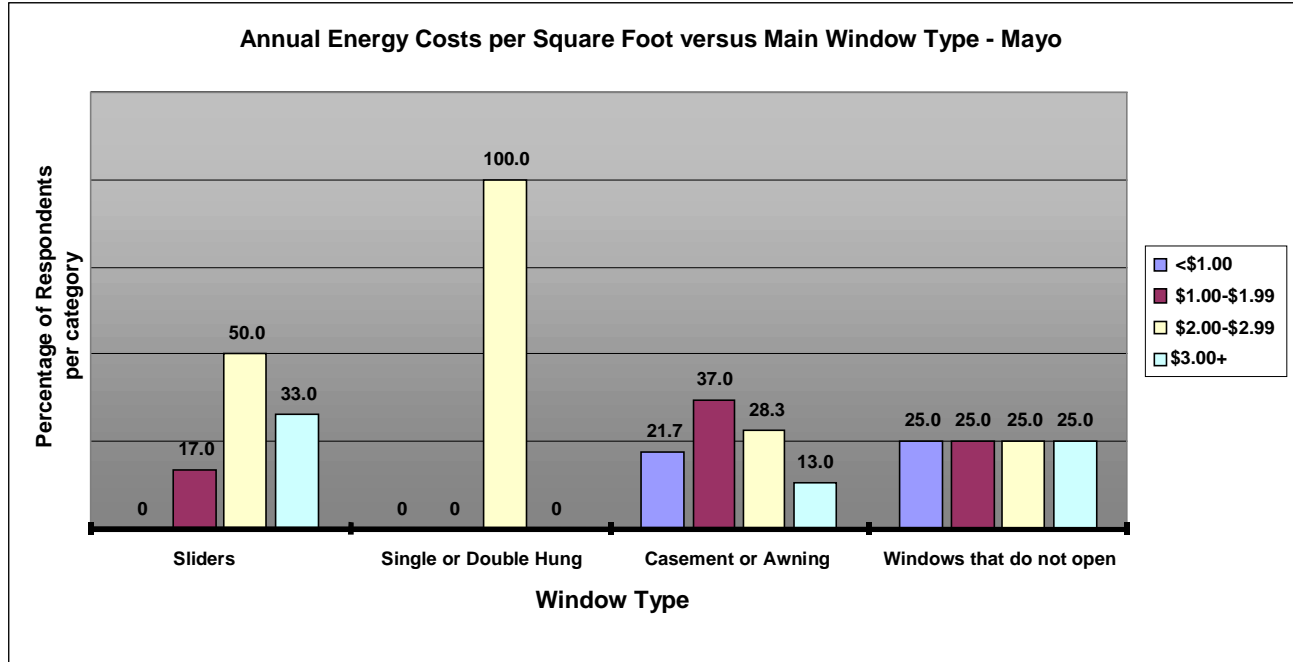


### HIGHLIGHTS

- ❑ Approximately 60 percent of dwellings built since 1991 have heating costs less than \$2 per square foot.
- ❑ Only 25.7 percent of dwellings built in 1960 or before have heating costs less than \$2 per square foot.
- ❑ 49.8 percent of the respondents in the category of dwellings built in 1960 or before have heating costs over \$3 per square foot.
- ❑ Caution is advised in interpreting these results. Absolute numbers of dwellings in each category are quite low.
- ❑ 100 percent of the “Don’t Know” category has heating costs of between \$1 and \$1.99. This represents one dwelling.

## 1.1.5 ANNUAL ENERGY COST VERSUS DWELLING'S MAIN WINDOW TYPE

These bar charts show the relationship between annual energy costs per square foot for householders and the dwelling's main window type.



**Definitions:**

**Sliders** – windows that slide horizontally,

**Single Hung** – Lower portion of window slides upwards,

**Double Hung** – Lower portion of window slides upwards, and upper portion slides downwards, and

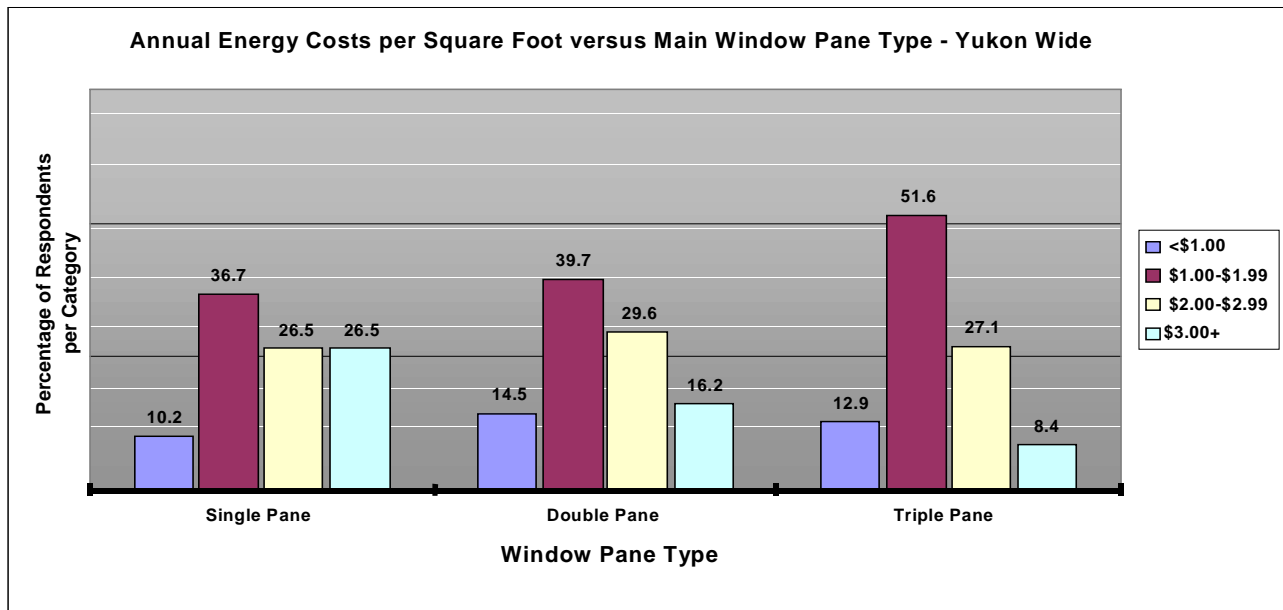
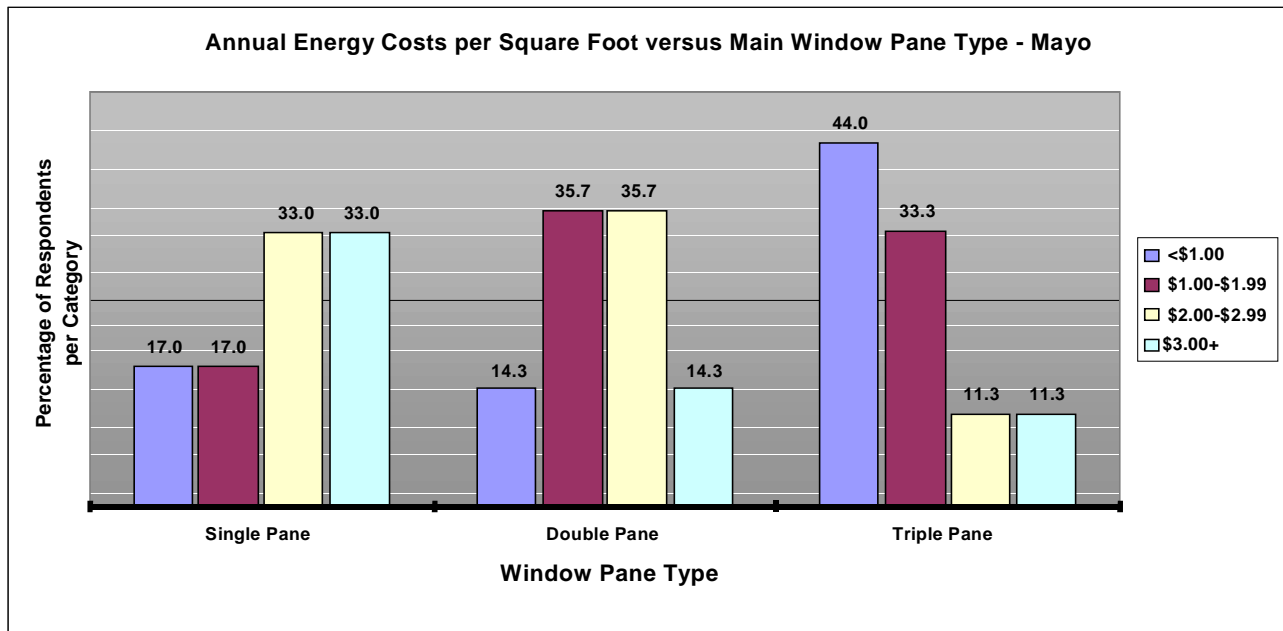
**Casement** – a portion of the window swings out horizontally or vertically.

## HIGHLIGHTS

- Slider windows seem to be associated with higher energy costs per square foot.
- 100 percent of dwellings with single or double hung windows have energy costs between \$2 and \$2.99 per square foot. This represents one household.
- In Mayo, as in other parts of the Yukon, casement or awning windows tend to be associated with dwellings that are more energy efficient.
- Almost 59 percent of dwellings with casement or awning windows have heating costs less than \$2 per square foot.
- Note, caution should be exercised in identifying a strong causal relationship between one factor and another. There are other factors such as levels and locations of insulation, and door types that have a significant impact here.

## 1.1.6 ANNUAL ENERGY COST VERSUS DWELLING'S MAIN WINDOW PANE TYPE

These bar charts show the relationship between annual energy costs per square foot for householders and the dwelling's main window pane type.

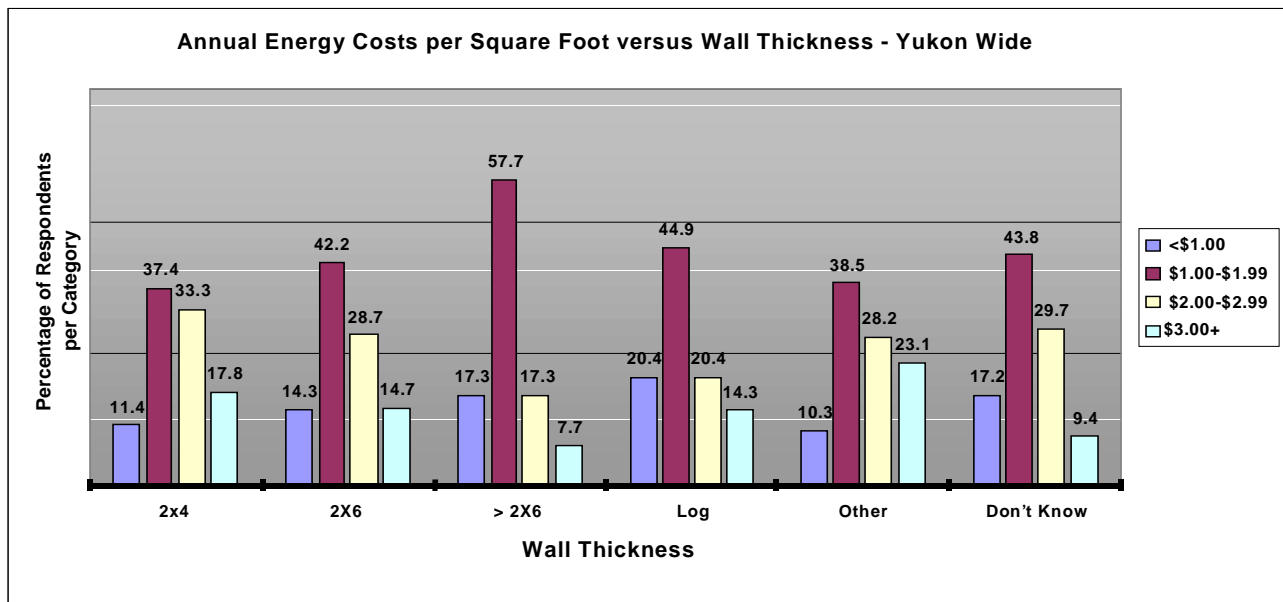
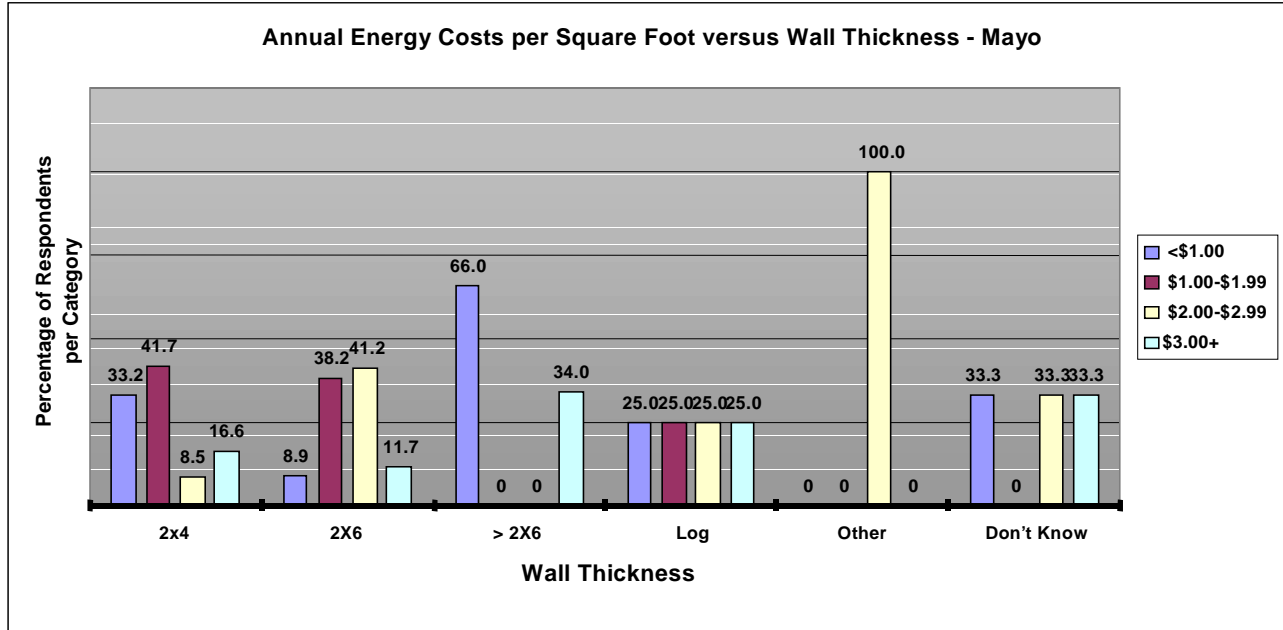


### HIGHLIGHTS

- 34 percent of dwellings with single pane windows have heating costs lower than \$2 per square foot.
- 50 percent of dwellings with double pane windows have heating costs lower than \$2 per square foot.
- 77.3 percent of dwellings with triple pane windows have heating costs lower than \$2 per square foot.

## 1.1.7 ANNUAL ENERGY COST VERSUS DWELLING'S WALL THICKNESS

These bar charts show the relationship between annual energy costs per square foot for householders and the dwelling's wall thickness.

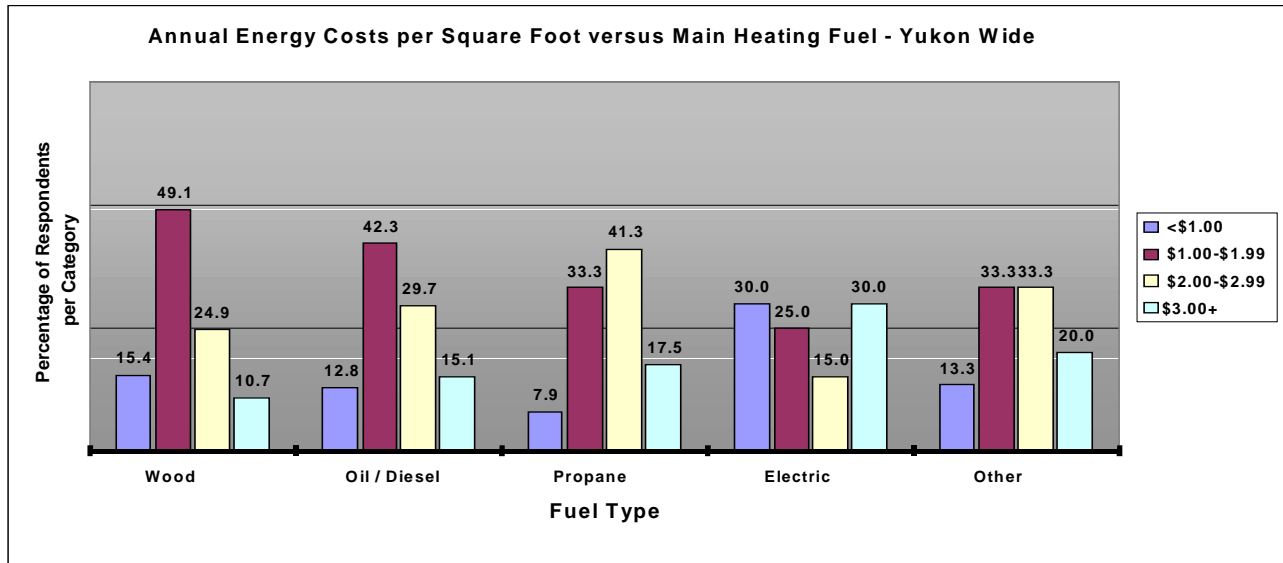
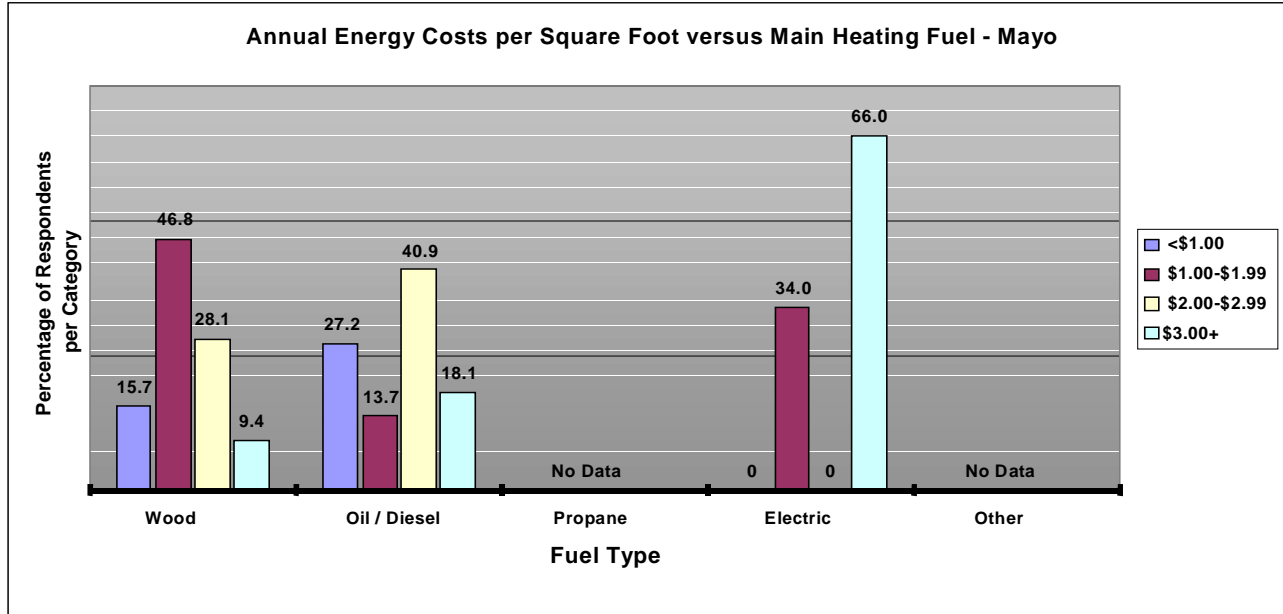


### HIGHLIGHTS

- In the Yukon in general, increased wall thickness is associated with lower energy cost.
- Because there are only a few dwellings with specific wall thickness in Mayo, the comparison of percentages yields somewhat less conclusive results.
- The “Other” category includes wall construction that does not fit into any other category, for example, 2X3 walls.
- 100 percent of the dwellings in the “Other” category have energy costs between \$2 and \$2.99 per square foot. This represents one household.

## 1.1.8 ANNUAL ENERGY COST VERSUS DWELLING'S MAIN HEATING FUEL

These bar charts show the relationship between annual energy costs per square foot for householders and the dwelling's main heating fuel.



### HIGHLIGHTS

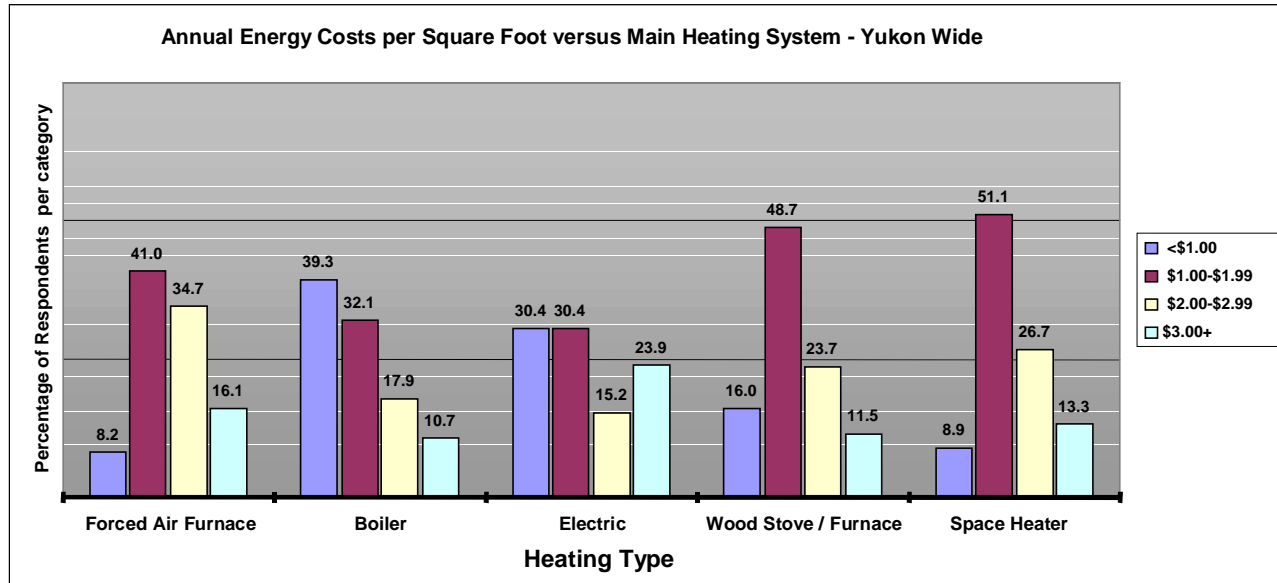
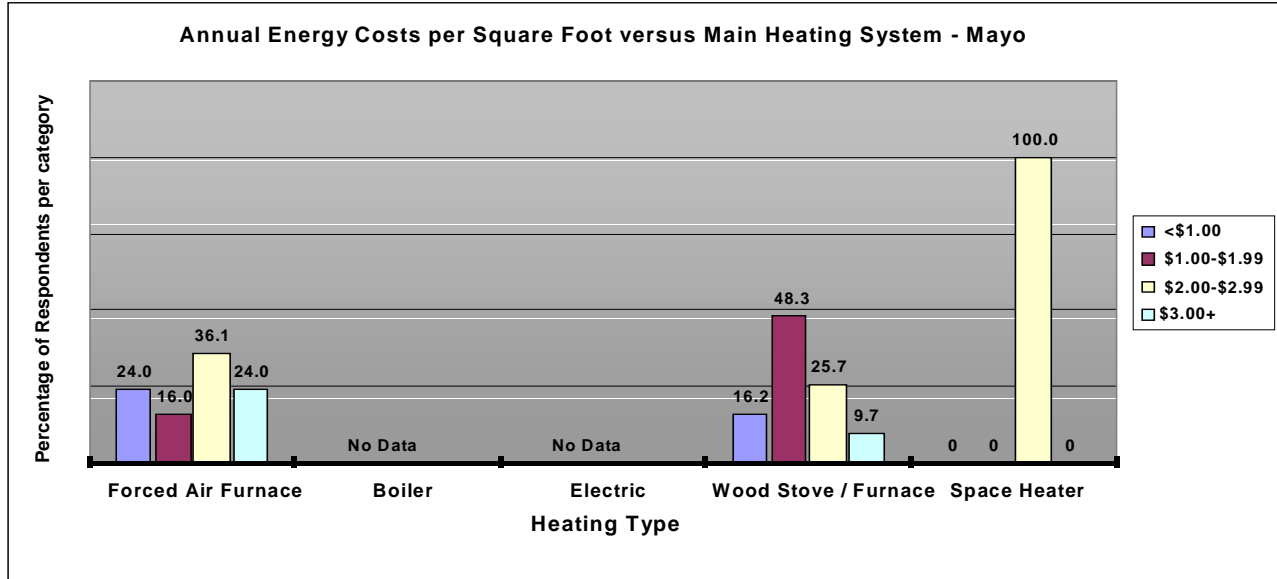
- 9.4 percent of wood heated dwellings have heating costs greater than \$3 per square foot.
- 18.1 percent of oil/diesel heated dwellings have heating costs greater than \$3 per square foot.
- There is no data for propane heated dwellings.
- 66 percent of electrically heated dwellings have heating costs greater than \$3 per square foot.

- It is very important to remember that small data sets from particular categories can lead to misleading “percentage” results.
- Factors other than the type of heating fuel have an impact on heating efficiency and costs.
- The “Other” category includes fuel that does not fit into any other category, for example, kerosene. For example, the main fuel source may be oil, the second source may be wood. In this example, wood is included in the “Other “ category.
- There is no data for the “Other” category.



## 1.1.9 ANNUAL ENERGY COST VERSUS DWELLING'S MAIN HEATING SYSTEM

These bar charts show the relationship between annual energy costs per square foot for householders and the dwelling's main heating system.

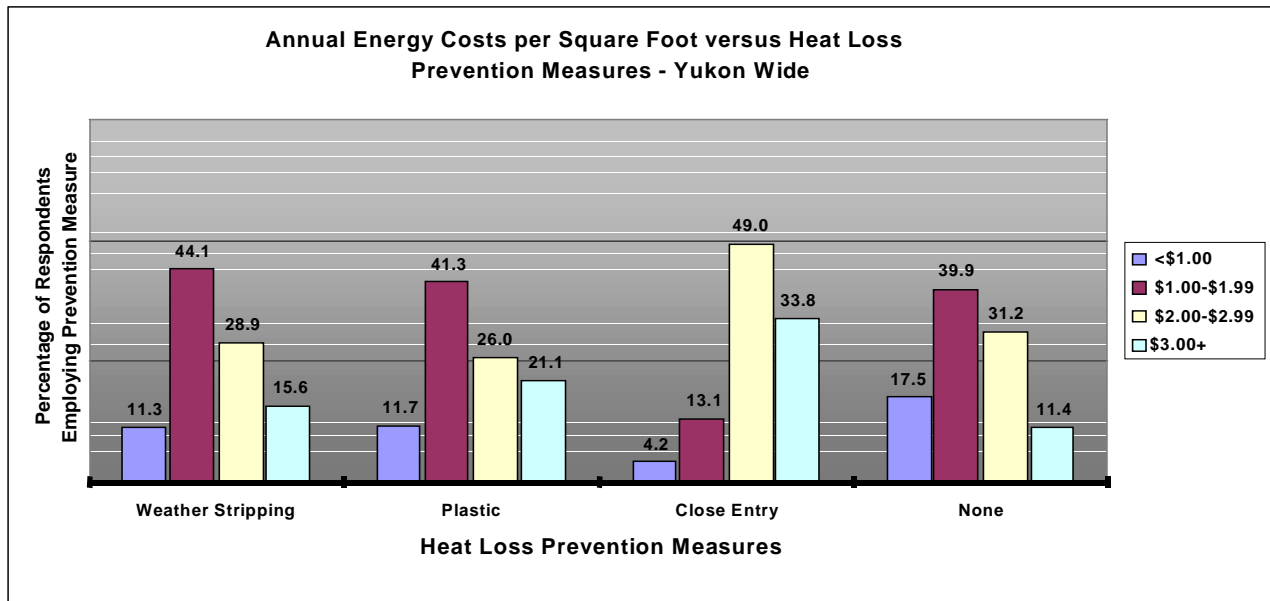
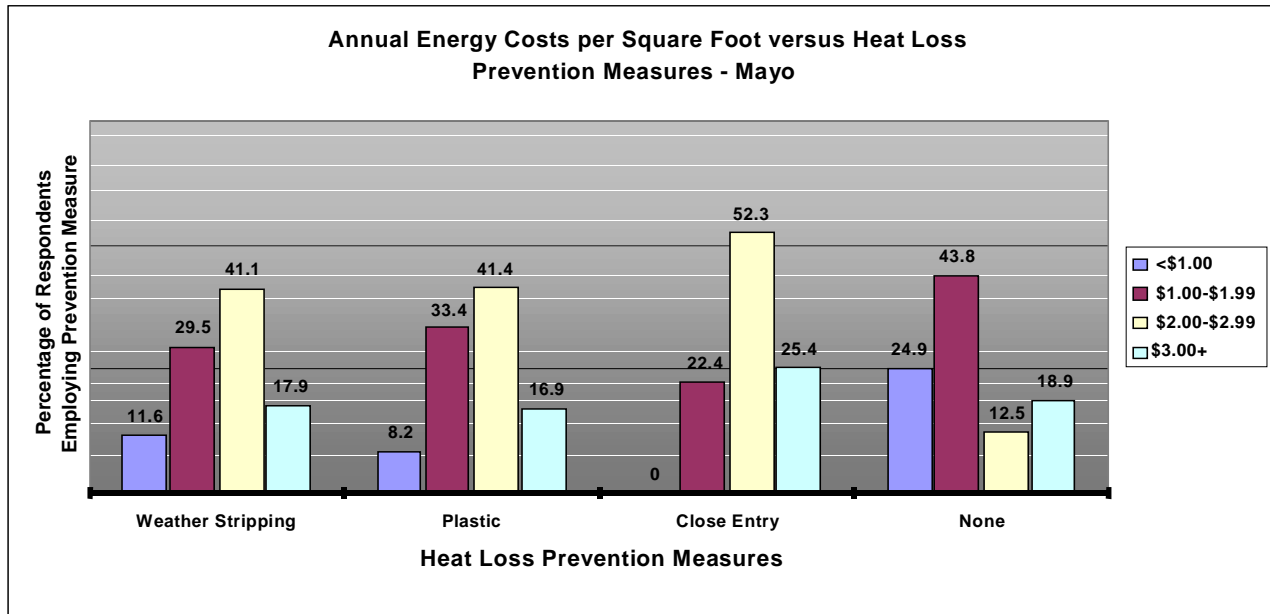


### HIGHLIGHTS

- Of dwellings whose main heating system is a forced-air furnace, 24 percent have heating costs greater than \$3 per square foot and 40 percent have heating costs less than \$2 per square foot.
- There is no data for boilers or electric heating systems.
- Of dwellings whose main heating system is a woodstove/furnace, 10.7 percent have heating costs greater than \$3 per square foot, and 64.5 percent have heating costs less than \$2 per square foot.
- 100 percent of dwellings with space heaters have energy costs between \$2 and \$2.99 per square foot. This represents one household.

## 1.1.10 ANNUAL ENERGY COST VERSUS HEAT LOSS PREVENTION MEASURES

These bar charts show the relationship between annual energy costs per square foot for householders and measures taken to reduce heat loss.

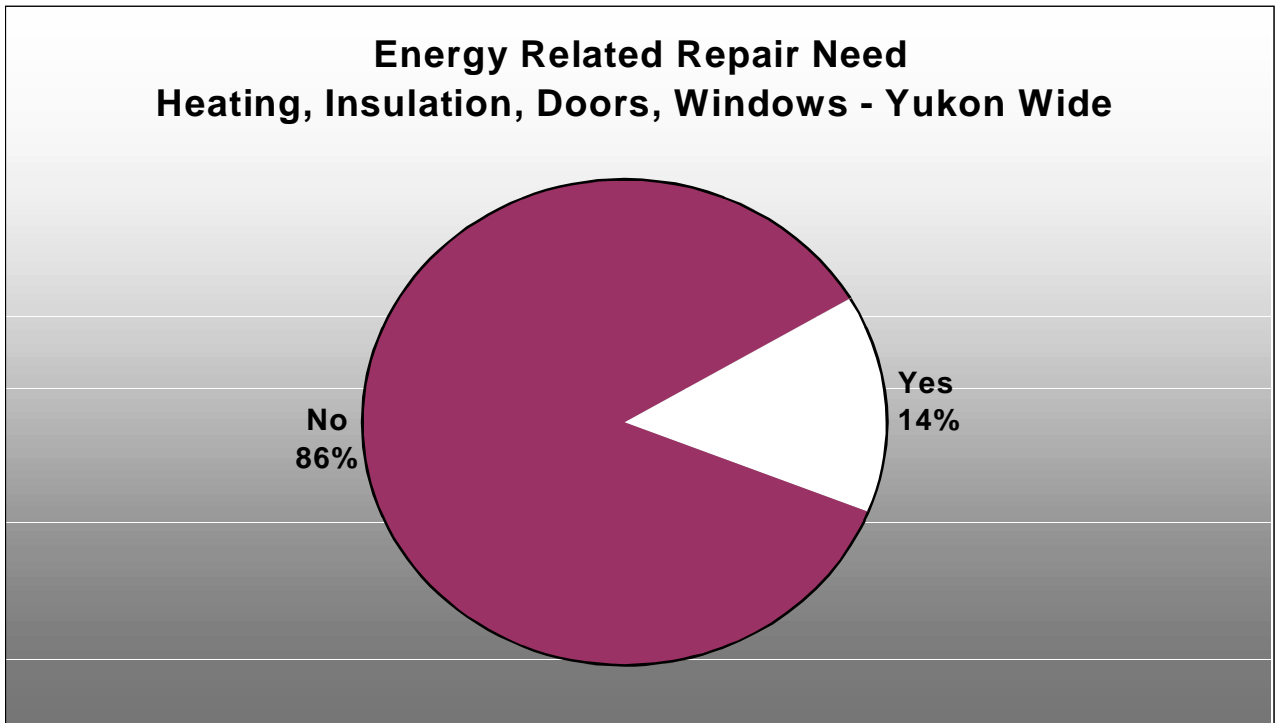
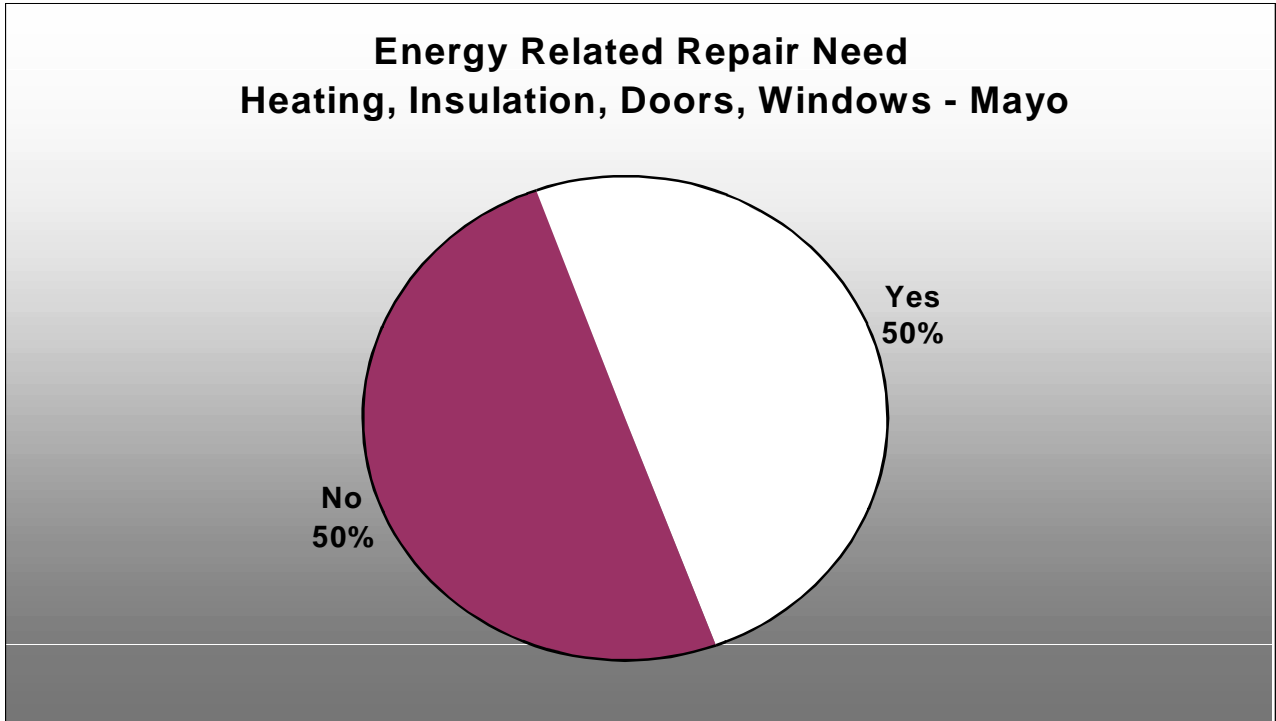


### HIGHLIGHTS

- Of households that close an entry as a heat loss prevention method, 77.7 percent have heating costs over \$2 per square foot. No respondents reported heating costs of less than \$1 per square foot in this category.
- Of households that use no heat loss prevention methods, 68.7 percent have heating costs lower than \$2 per square foot. Only 18.9 percent of these households pay more than \$3 per square foot for heating.

**1.1.11 PERCENTAGE OF DWELLINGS WITH AN ENERGY RELATED REPAIR NEED**

These pie charts show the percentage of dwellings requiring energy related repairs.

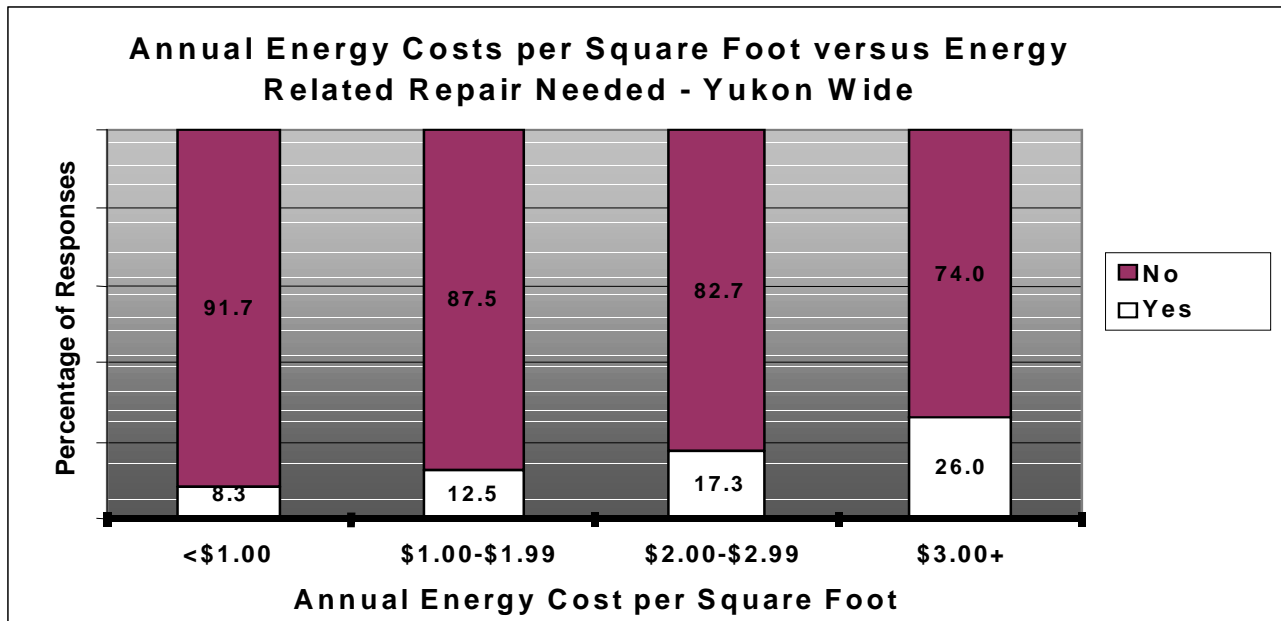
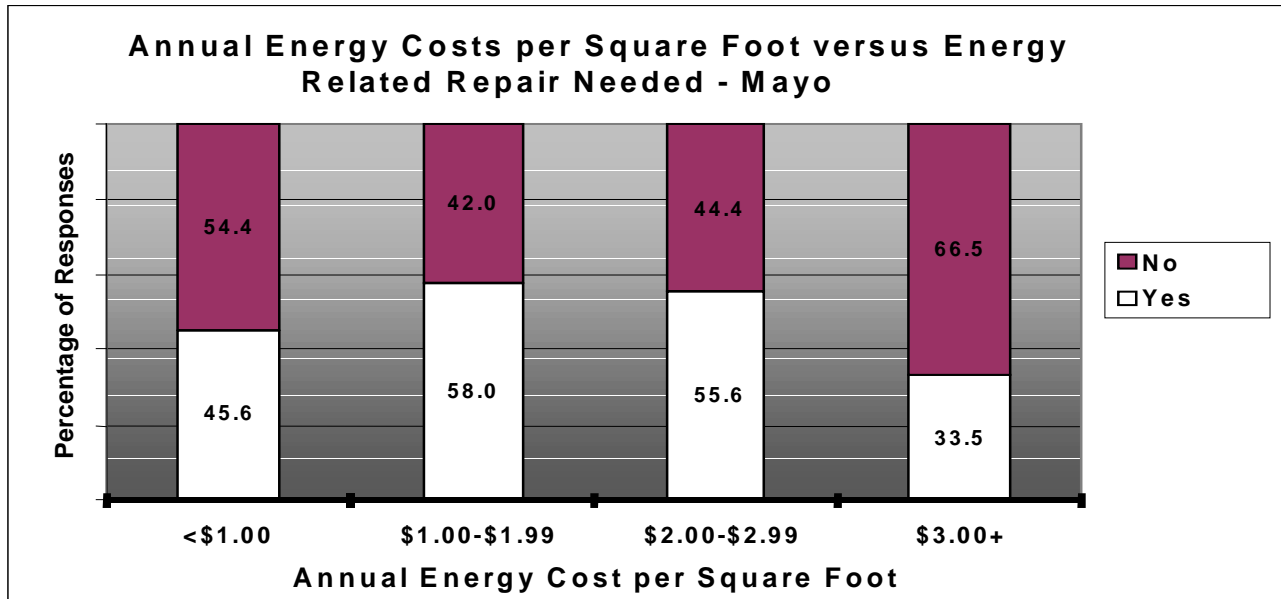


**HIGHLIGHTS**

- Mayo results show a greater need for energy related repairs than the average Yukon household, 50 percent of Mayo dwellings versus 14 percent of all Yukon dwellings.

## 1.1.12 ANNUAL ENERGY COST PER SQUARE FOOT VERSUS ENERGY RELATED REPAIR NEED

These bar charts show the relationship between annual energy costs per square foot for householders and energy related repair needs.



### HIGHLIGHTS

- In each category, there is greater perceived need for energy related repairs in Mayo than for the Yukon as a whole.
- With the exception of the \$3+ category, the need for energy related repairs is approximately 4 to 5 times as great in Mayo as in the rest of the Yukon.

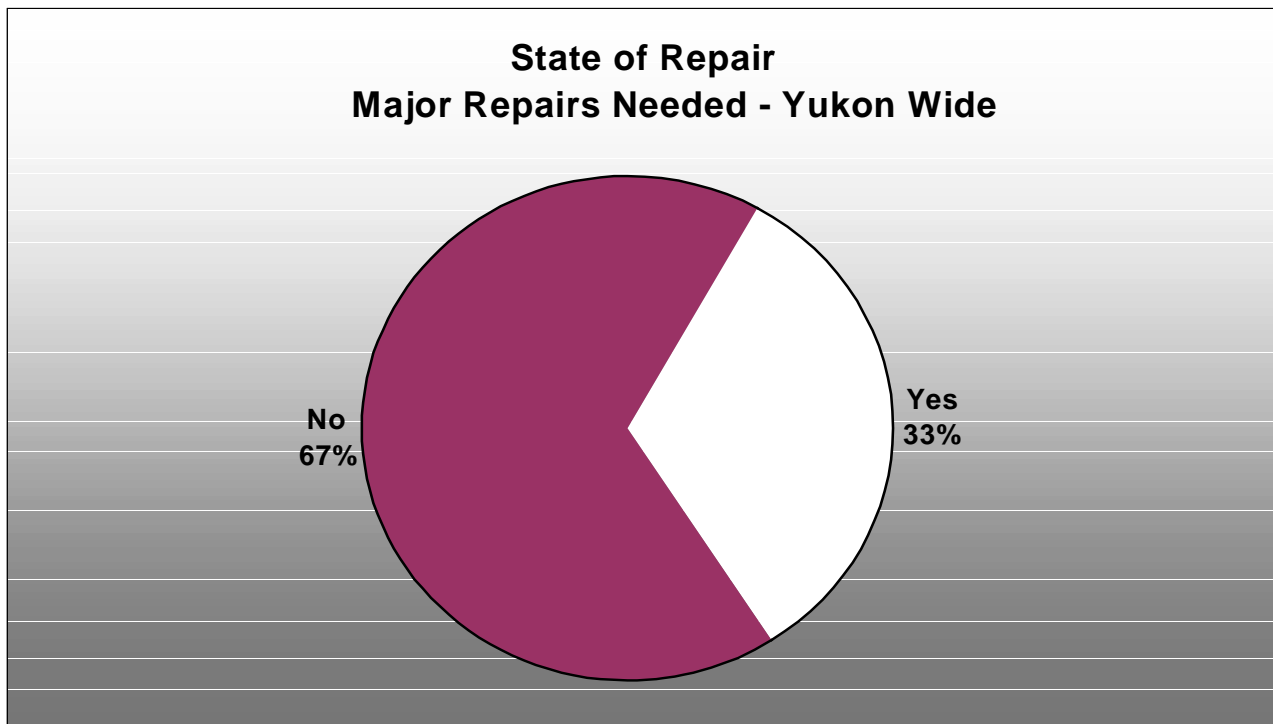
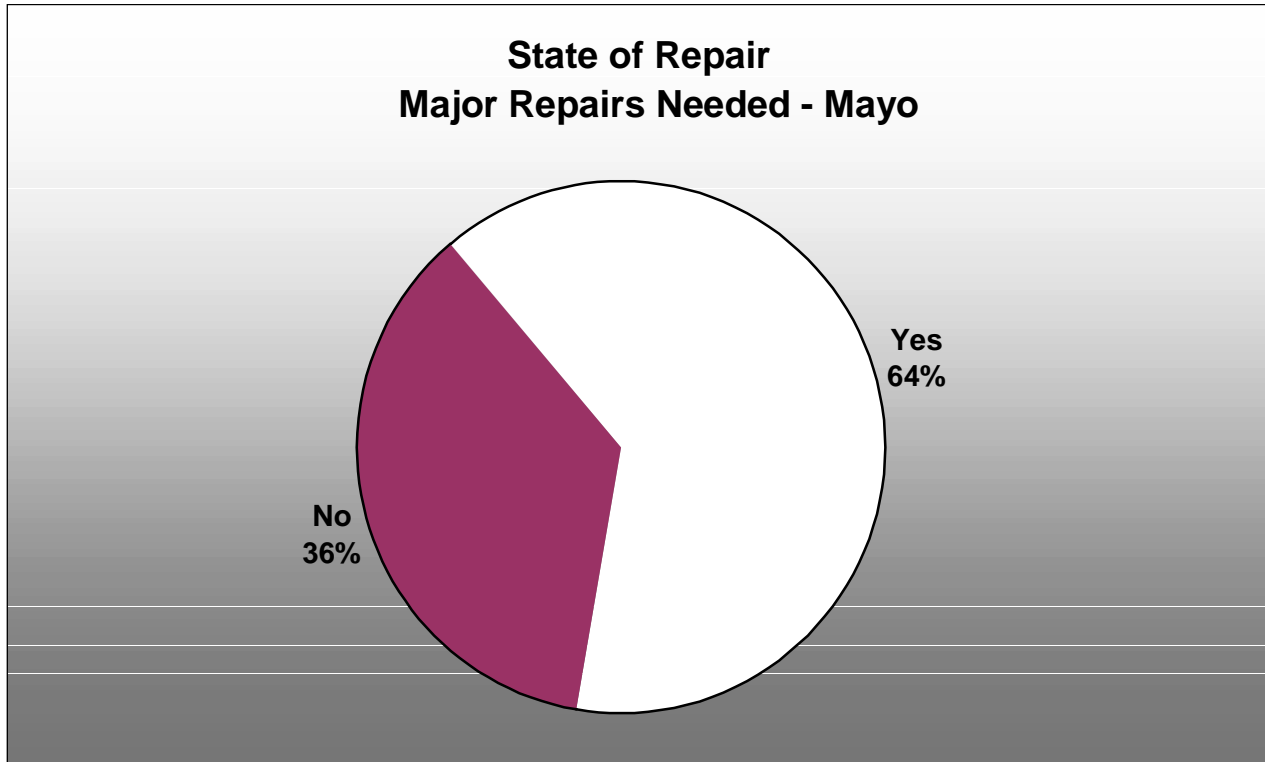
## 1.2 STATE OF REPAIR

The next seven sub-themes show various indicators related to the state of repair of dwellings in Mayo and the Yukon:

- ⇒ **MAJOR REPAIR NEEDED,**
- ⇒ **MAJOR REPAIR NEEDED VERSUS HOUSEHOLD INCOME,**
- ⇒ **TYPE OF MAJOR REPAIR NEEDED,**
- ⇒ **PERCENTAGE OF HOUSEHOLDS THAT OWN THEIR DWELLINGS PLANNING MAJOR REPAIR,**
- ⇒ **ESTIMATED COST OF PLANNED MAJOR REPAIR,**
- ⇒ **PERCENTAGE OF DWELLINGS NEEDING MINOR REPAIR,**
- ⇒ **TYPE OF MINOR REPAIR NEEDED.**

## 1.2.1 MAJOR REPAIR NEEDED

These pie charts show the percentage of dwellings that require major repairs both in Mayo and the Yukon.

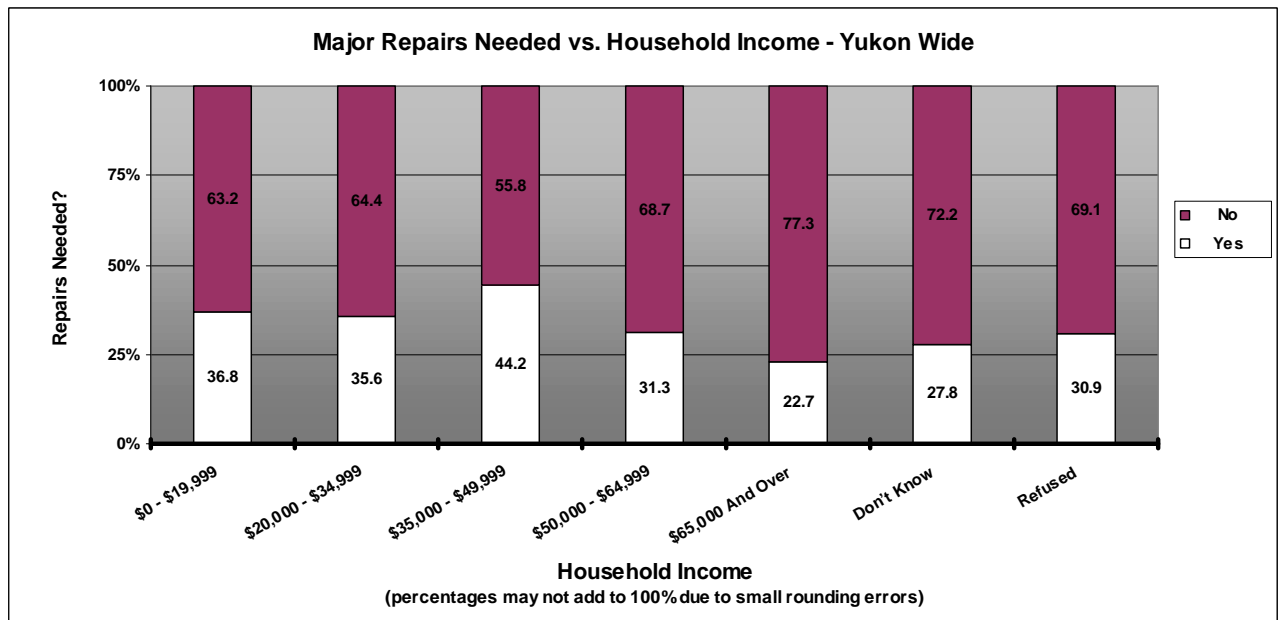
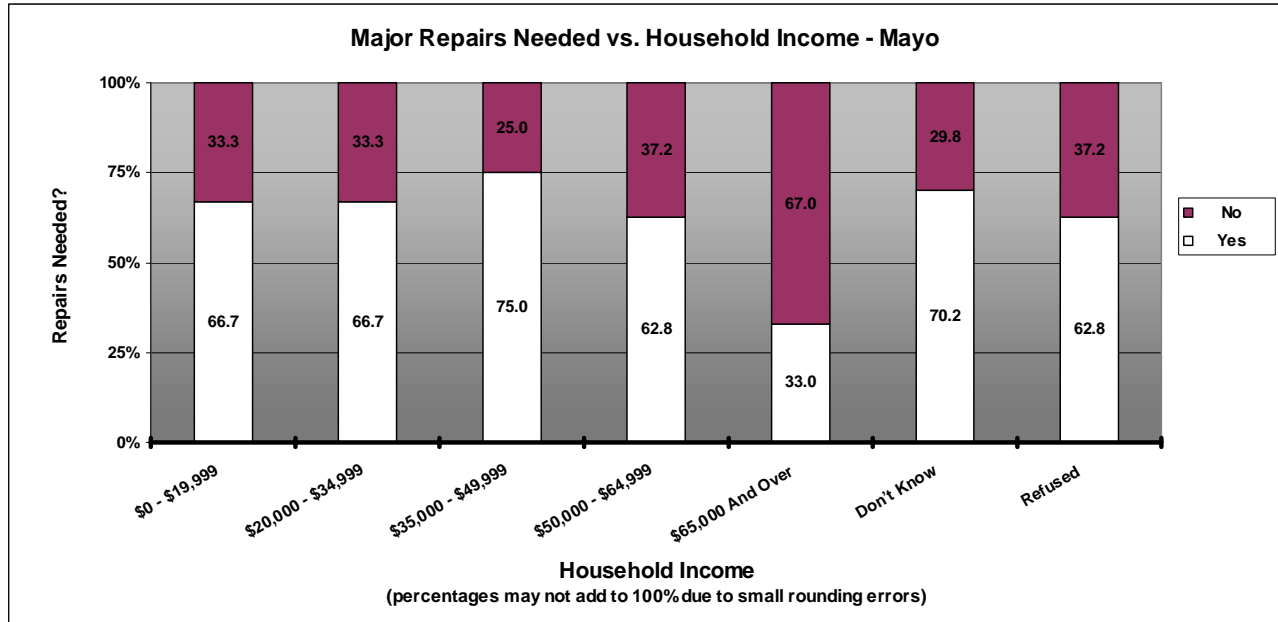


### HIGHLIGHTS

- 64 percent of all dwellings in Mayo require major repairs. This compares with 33 percent of all dwellings in the territory that require major repairs.

## 1.2.2 MAJOR REPAIR NEEDED VERSUS HOUSEHOLD INCOME

These bar charts compare household income with the need for major repairs on the household's dwelling.

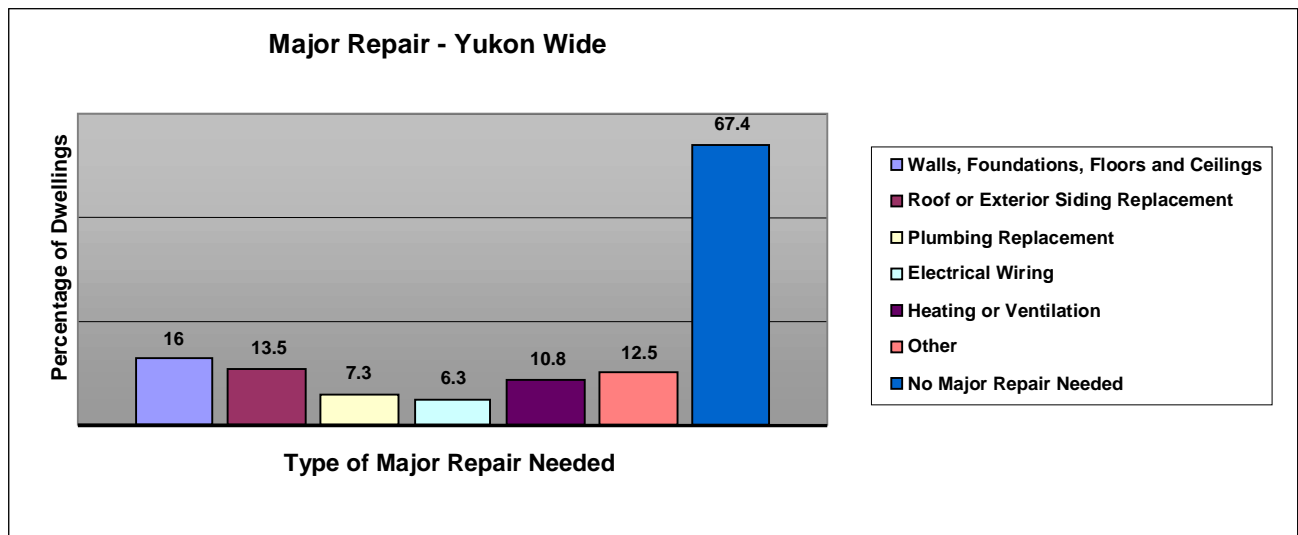
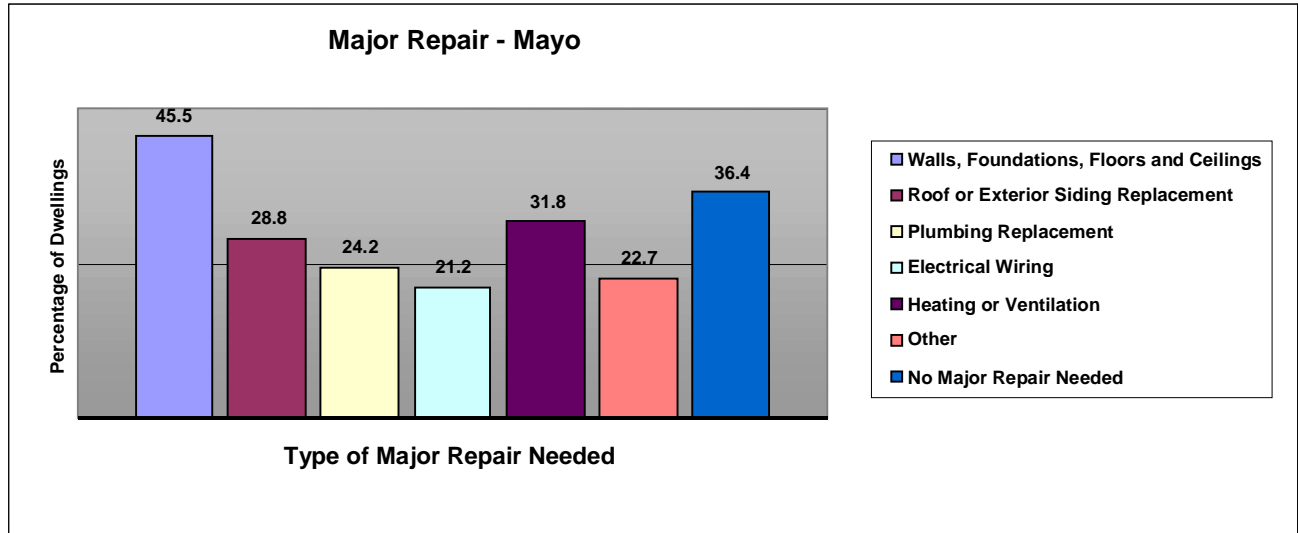


### HIGHLIGHTS

- Both Mayo and Yukon wide results show that higher household income is generally correlated with a decreased need for major repairs.
- The need for repairs is higher in Mayo in each household income category than the Yukon as a whole.
- The repair need is high in all categories in Mayo. The \$65,000 and over category has the lowest need for major repairs at 33 percent.

### 1.2.3 TYPE OF MAJOR REPAIR NEEDED

The types of repairs needed are shown below. Respondents may have provided more than one response.



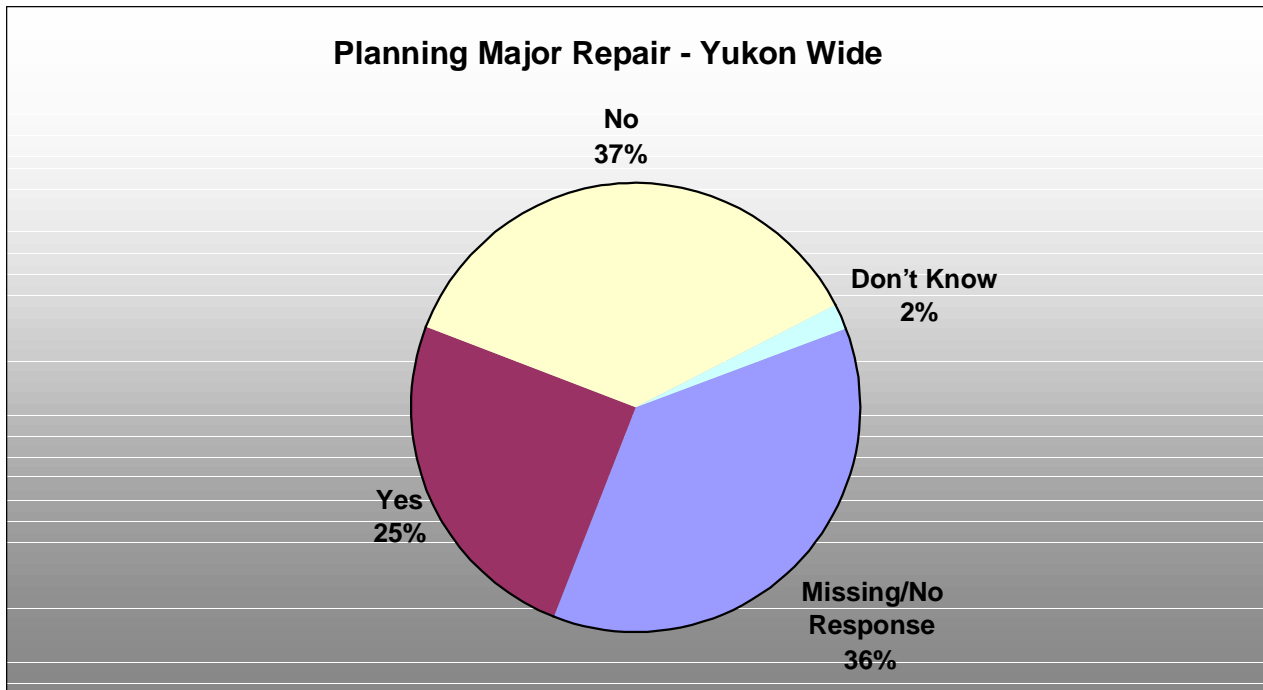
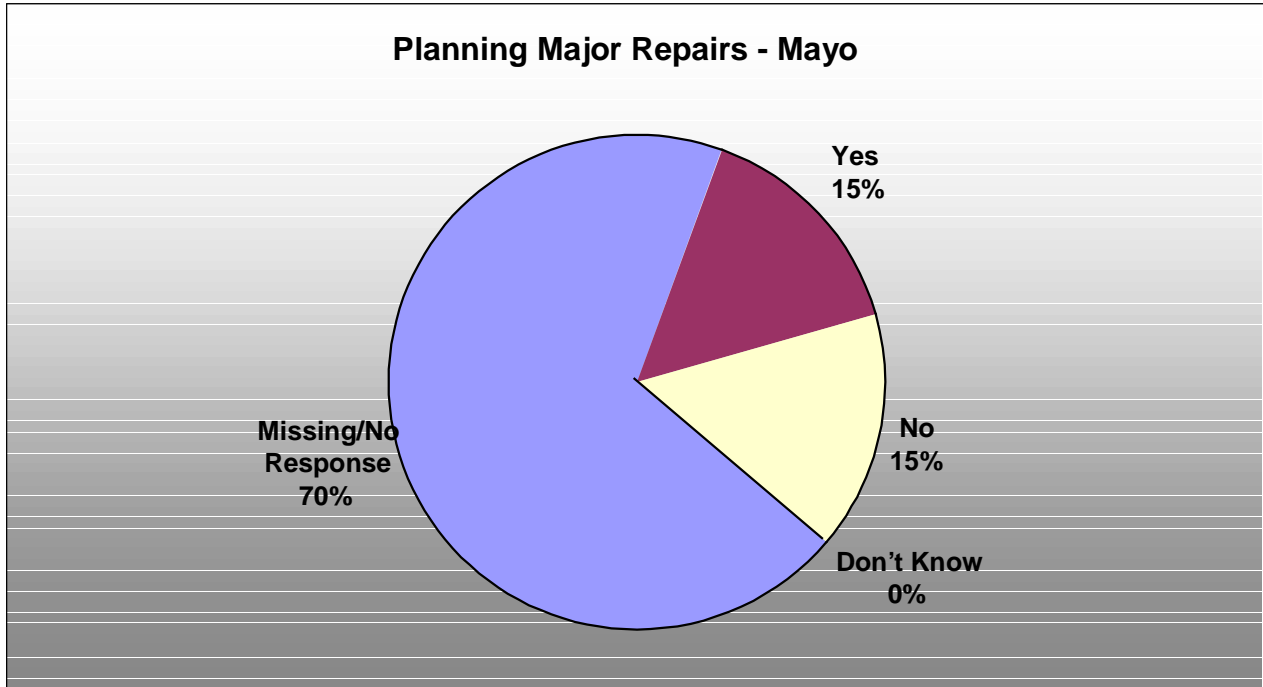
#### HIGHLIGHTS

- In Mayo, there is a greater need for repairs in each category than for Yukon as a whole.
- Walls, foundations, floors or ceilings at 45.5 percent as well as heating and ventilation at 31.8 percent were the top two repair categories.
- “Other” refers to major repairs not included in another category.



**1.2.4 PERCENTAGE OF HOUSEHOLDS THAT OWN THEIR DWELLINGS  
PLANNING MAJOR REPAIR**

These pie charts show the percentage of households planning major repairs.

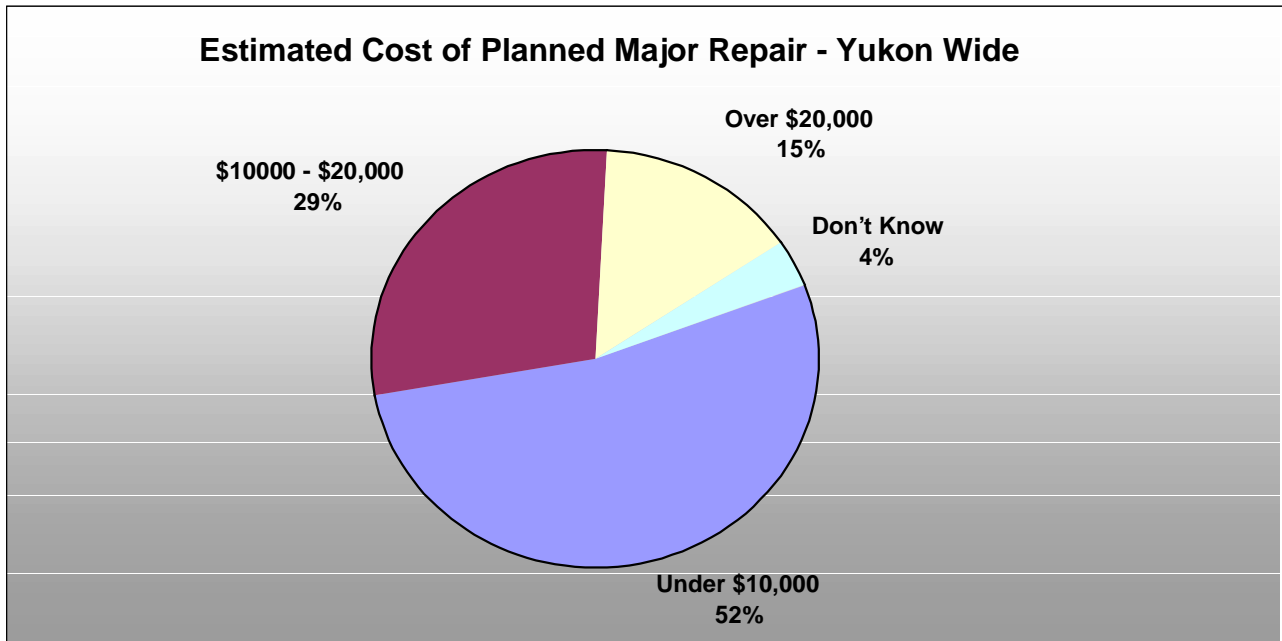
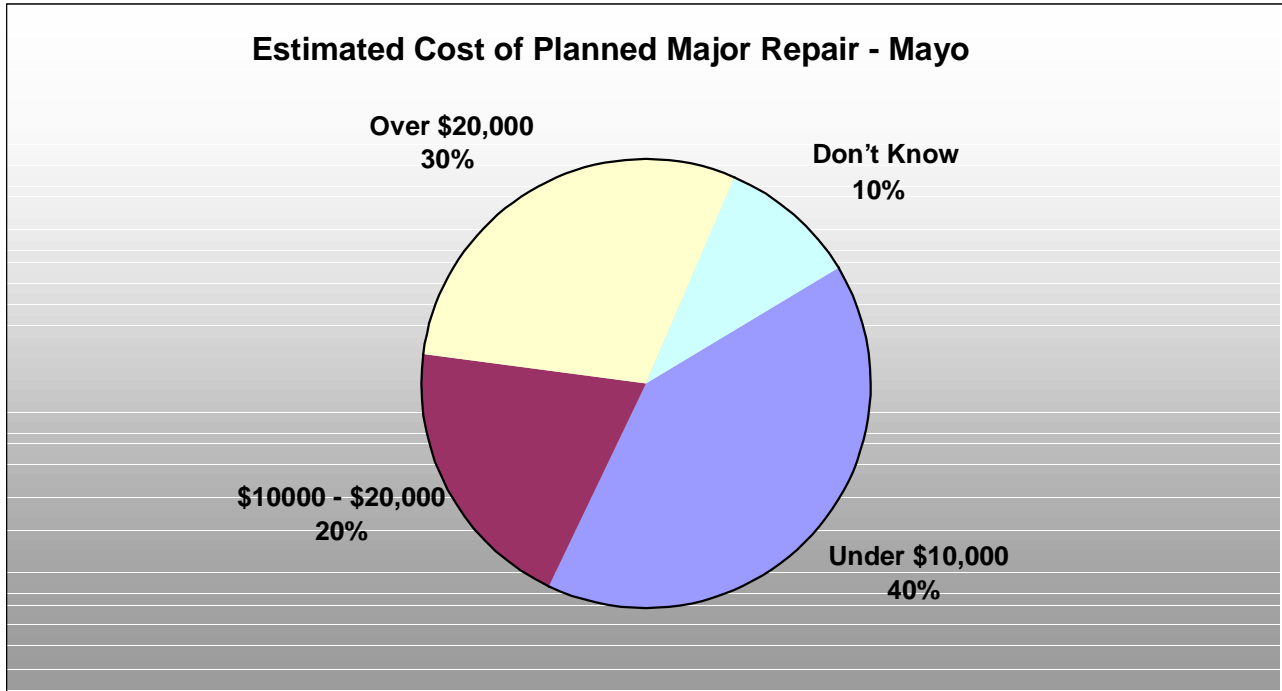


**HIGHLIGHTS**

- Despite the greater need for repairs in Mayo than in Yukon generally, only 15 percent of respondents indicated they were planning to do major repairs.
- 25 percent of all Yukon respondents indicated they were planning to do major repairs.

**1.2.5 ESTIMATED COST OF PLANNED MAJOR REPAIR**

The following pie charts summarize the estimated costs of major repairs planned by owner households who plan to make major repairs to their homes in the next two years:

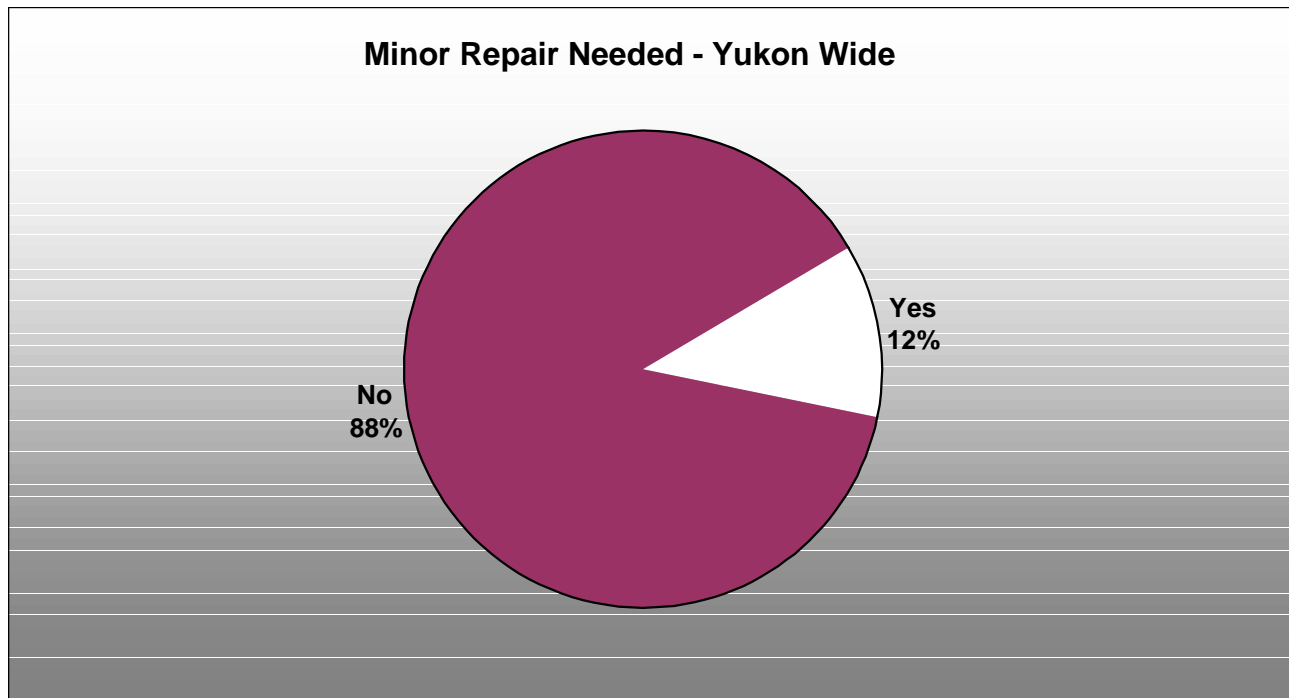
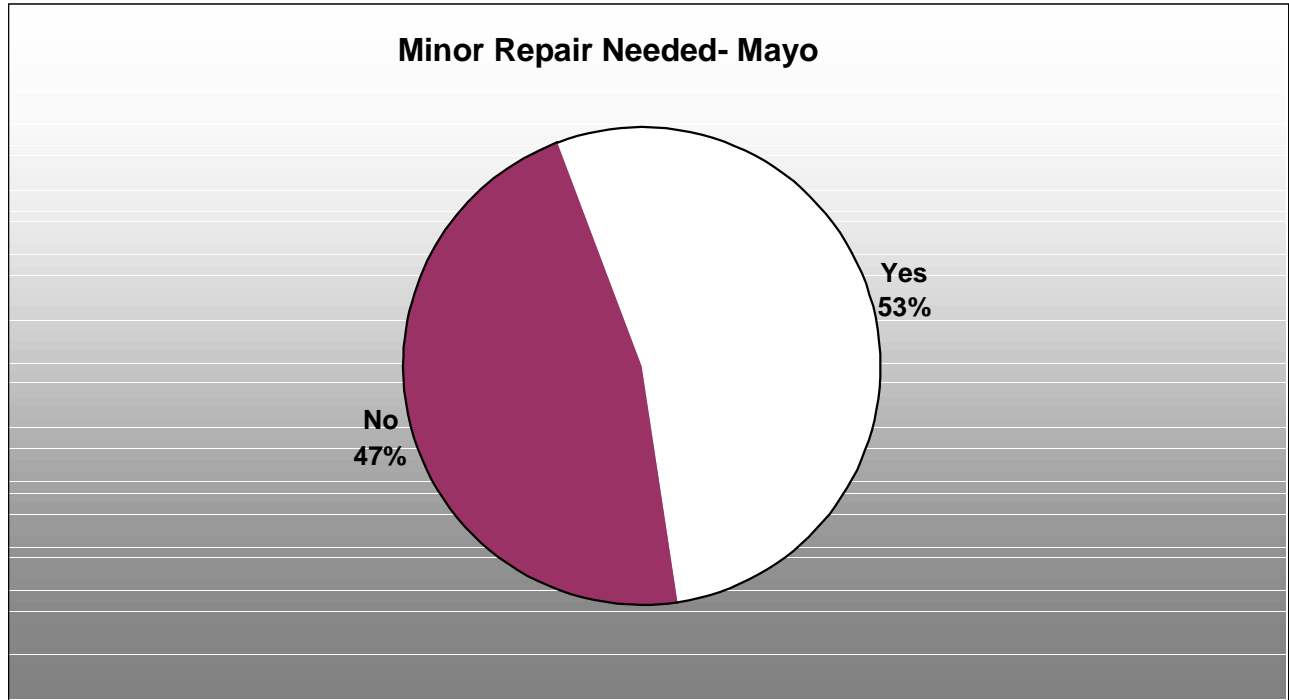


**HIGHLIGHTS**

- 60 percent of Mayo owner households planning to do major repairs indicated their major repairs would cost less than \$20,000.
- 40 percent of this same group estimated their major repairs would cost less than \$10,000.

## 1.2.6 PERCENTAGE OF DWELLINGS NEEDING MINOR REPAIR

The following pie charts show the percentage of households that indicated their dwellings needed minor repairs:

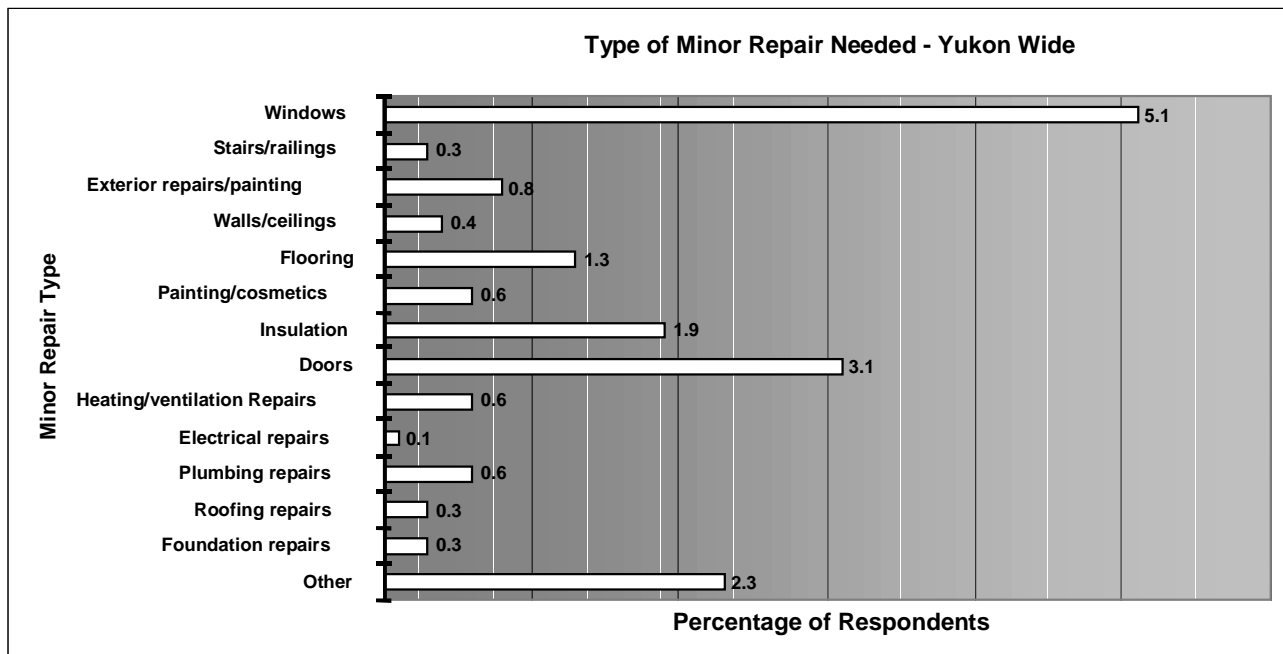
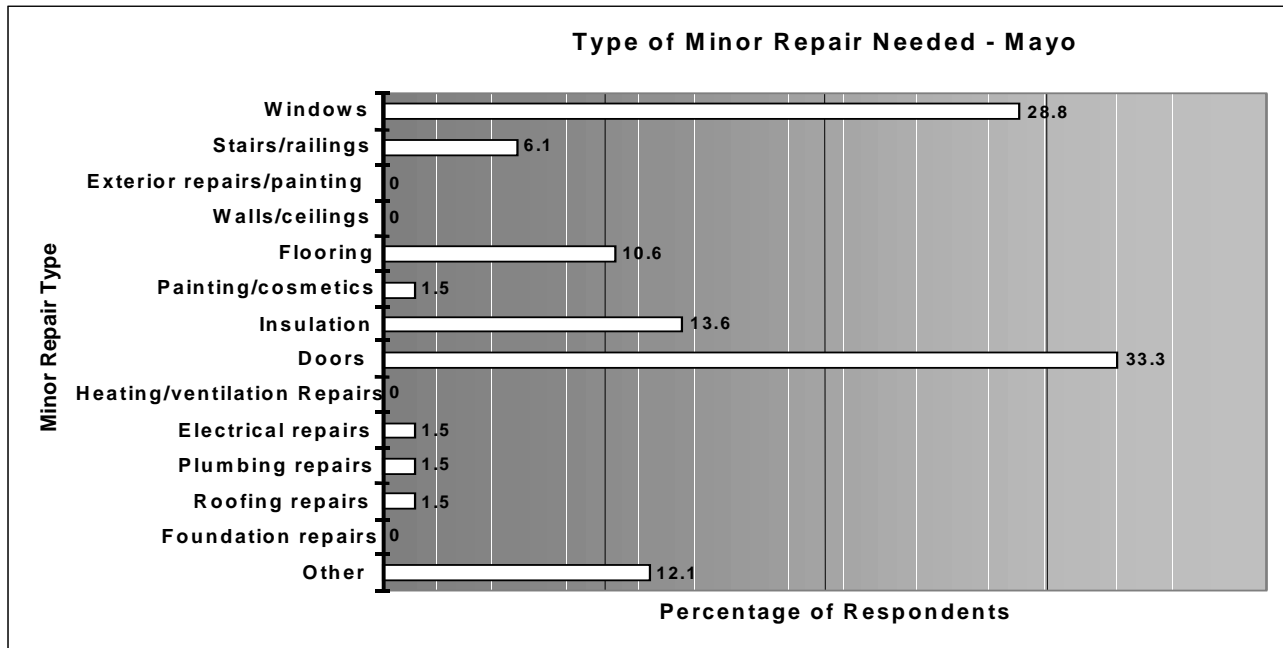


### HIGHLIGHTS

- 53 percent of Mayo dwellings require minor repairs. This is more than four times the corresponding Yukon wide percentage of 12 percent.

## 1.2.7 TYPE OF MINOR REPAIR NEEDED

The following bar charts show the percentage of households that indicated their dwellings needed repairs other than major repairs. Note, respondents may have indicated the need for more than one type of repair.



### HIGHLIGHTS

- The need for minor repairs is higher in Mayo than in the Yukon.
- The greatest need for minor repairs was identified in the categories of doors, windows, insulation, and flooring.
- “Other” refers to minor repairs not included in another category.

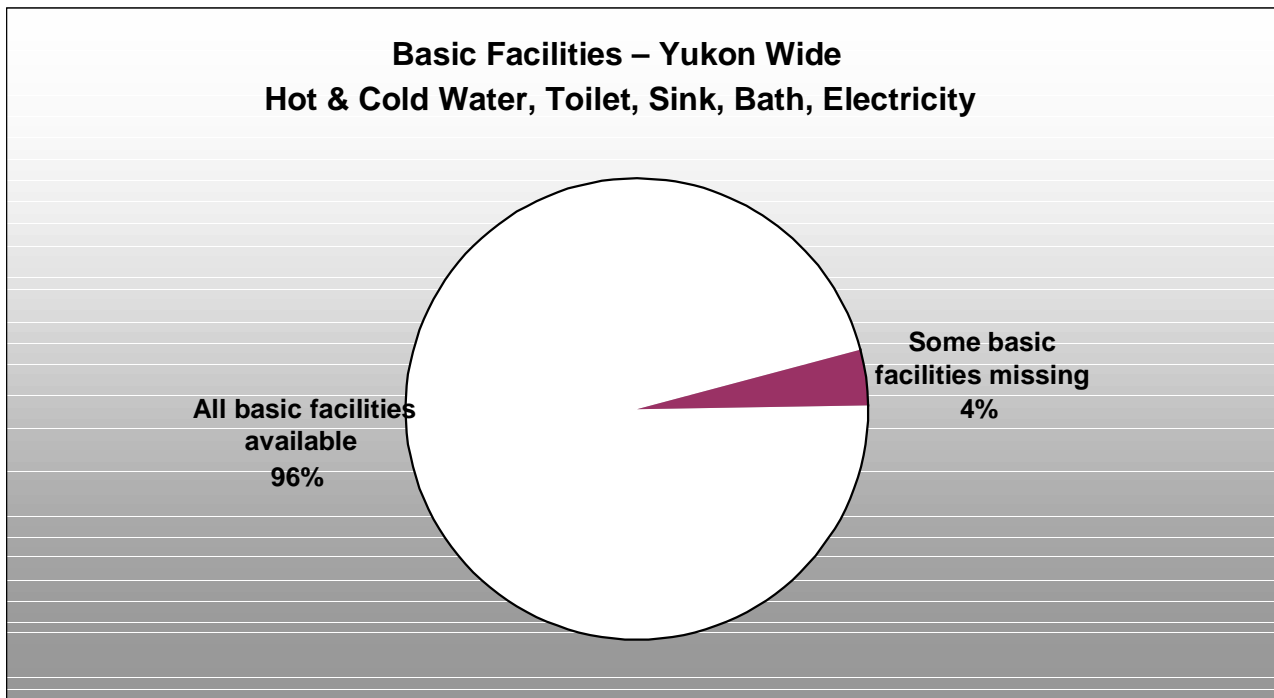
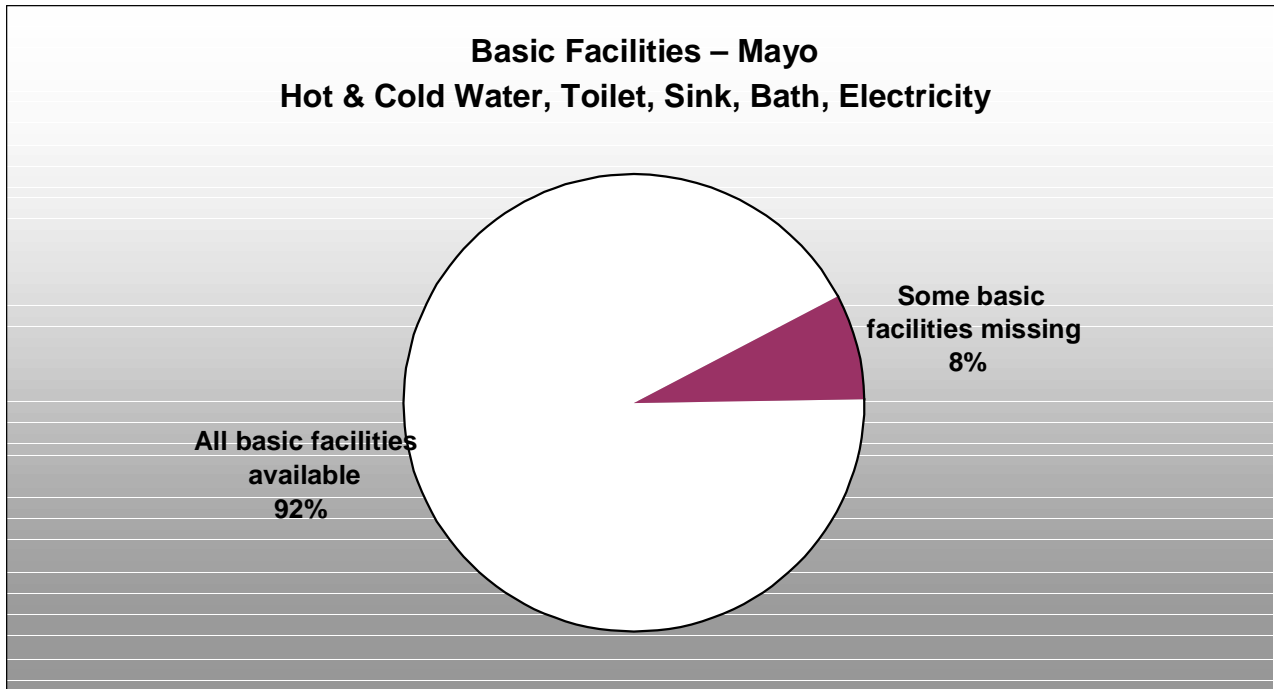
## 1.3 BASIC FACILITIES

Basic facilities include hot and cold water, indoor toilet, sink, bath, and electricity. The next sub-theme shows the percentage of households that have basic facilities:

⇒ **BASIC FACILITIES.**

**1.3.1 BASIC FACILITIES**

The following pie charts show the percentage of households that have basic facilities.



**HIGHLIGHTS**

- The majority of dwellings within Mayo have all basic facilities available.
- Within the Yukon as a whole, 4 percent of dwellings are missing at least some basic facilities. The rate in Mayo is 8 percent; double the territorial rate.

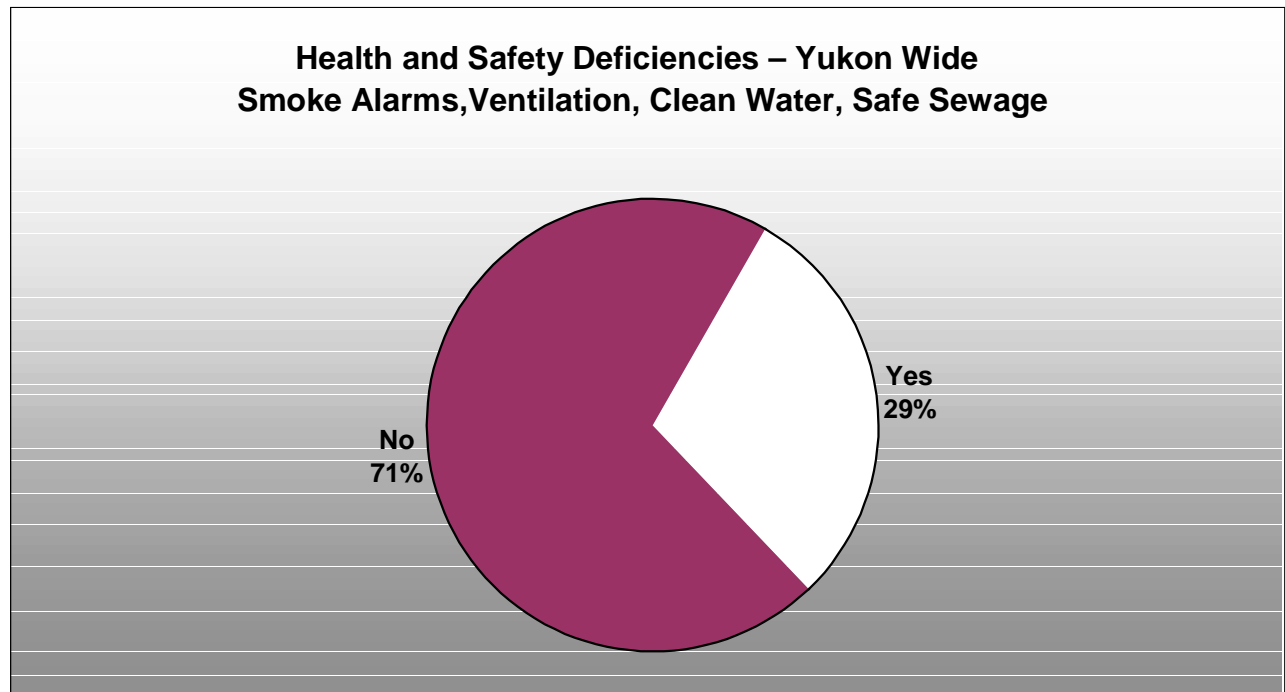
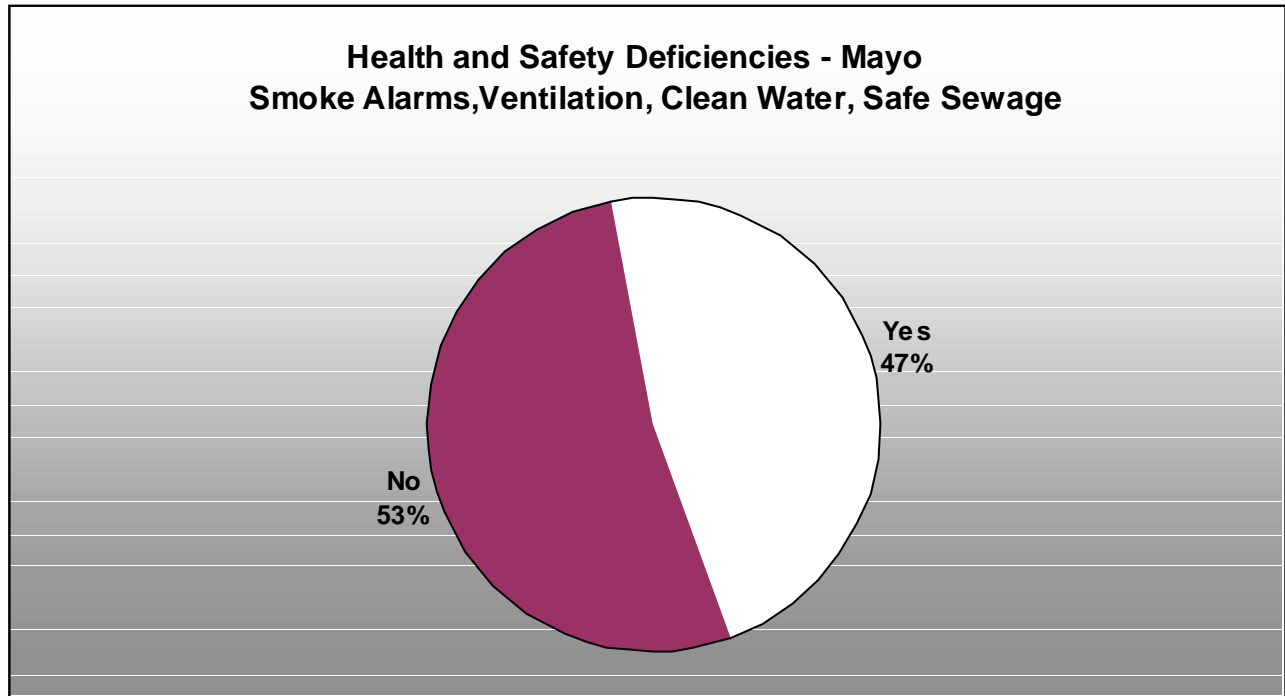
## 1.4 HEALTH AND SAFETY DEFICIENCIES

The next six sub-themes show the percentage of households that have health and safety deficiencies including lack of smoke alarms, ventilation, clean water, and safe sewage:

- ⇒ **HEALTH AND SAFETY DEFICIENCIES,**
- ⇒ **SMOKE ALARMS,**
- ⇒ **MECHANICAL VENTILATION,**
- ⇒ **KITCHEN/BATHROOM EXHAUST,**
- ⇒ **WATER SUPPLY,**
- ⇒ **SEWAGE DISPOSAL.**

## 1.4.1 HEALTH AND SAFETY DEFICIENCIES

The following pie charts show the percentage of households that have health and safety deficiencies:



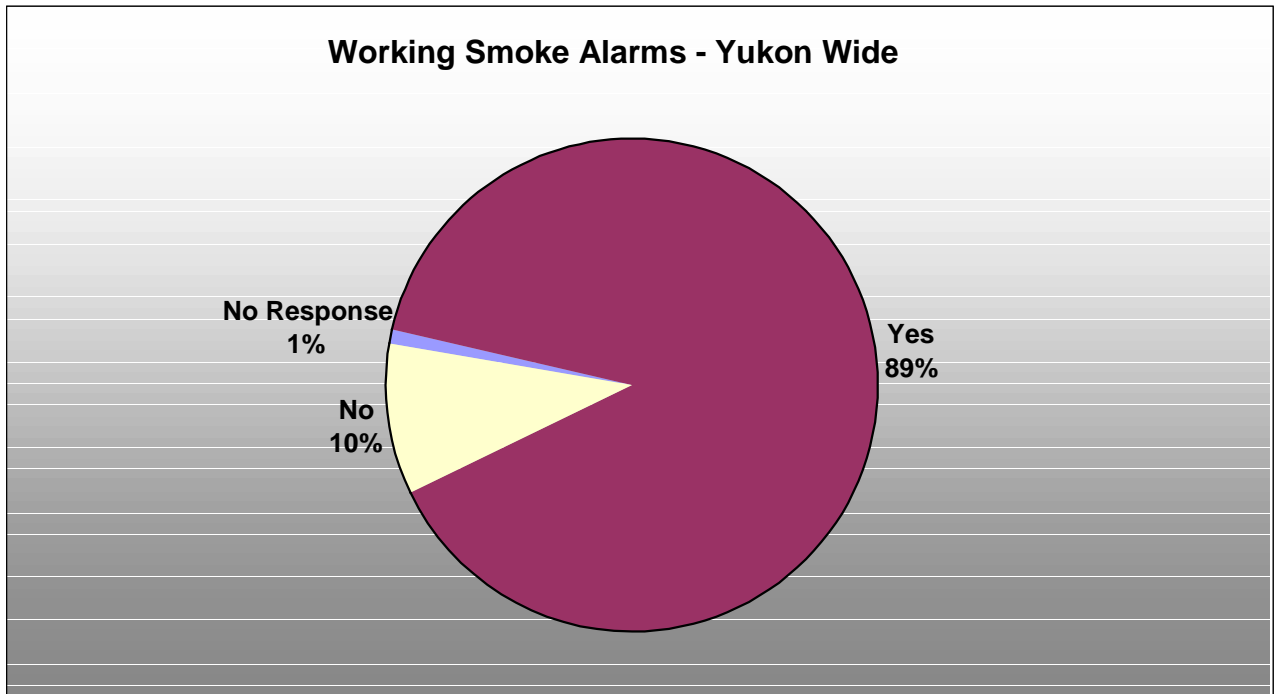
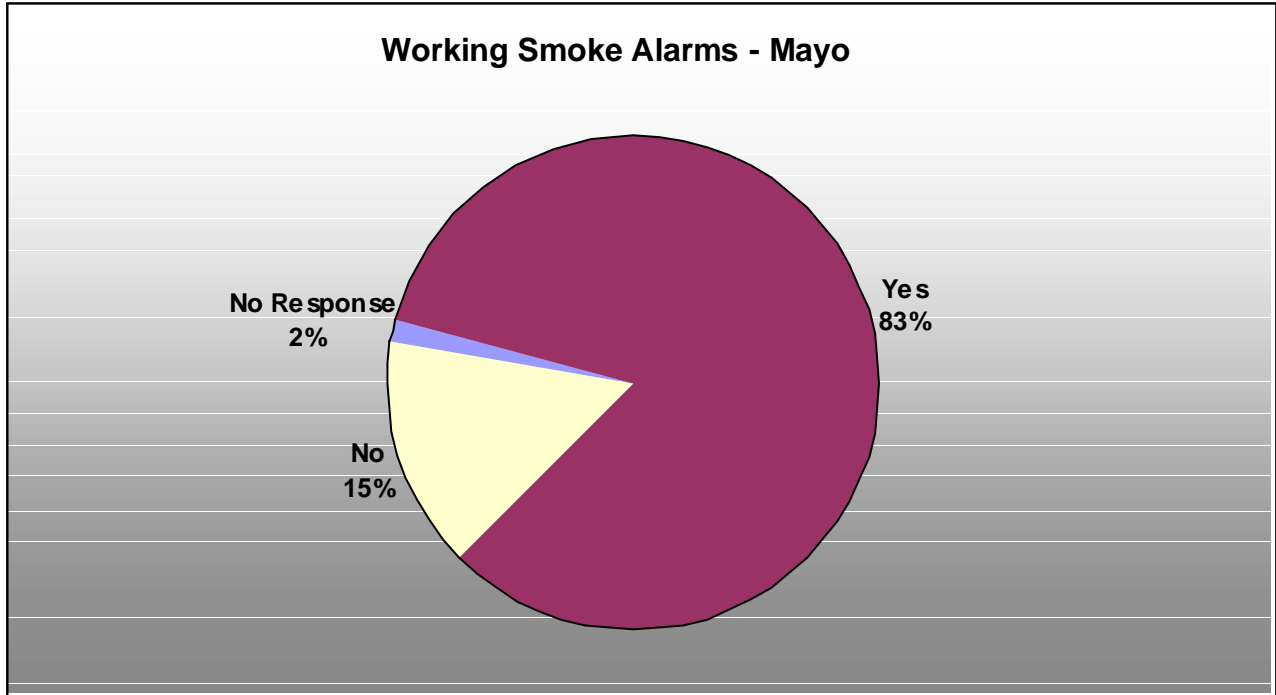
### HIGHLIGHTS

- 47 percent of Mayo dwellings are deficient in at least one health and safety feature.
- Within the Yukon as a whole, 29 percent of dwellings are deficient in at least one feature.



**1.4.2 SMOKE ALARMS**

The following pie charts show the percentage of households that have working smoke alarms:

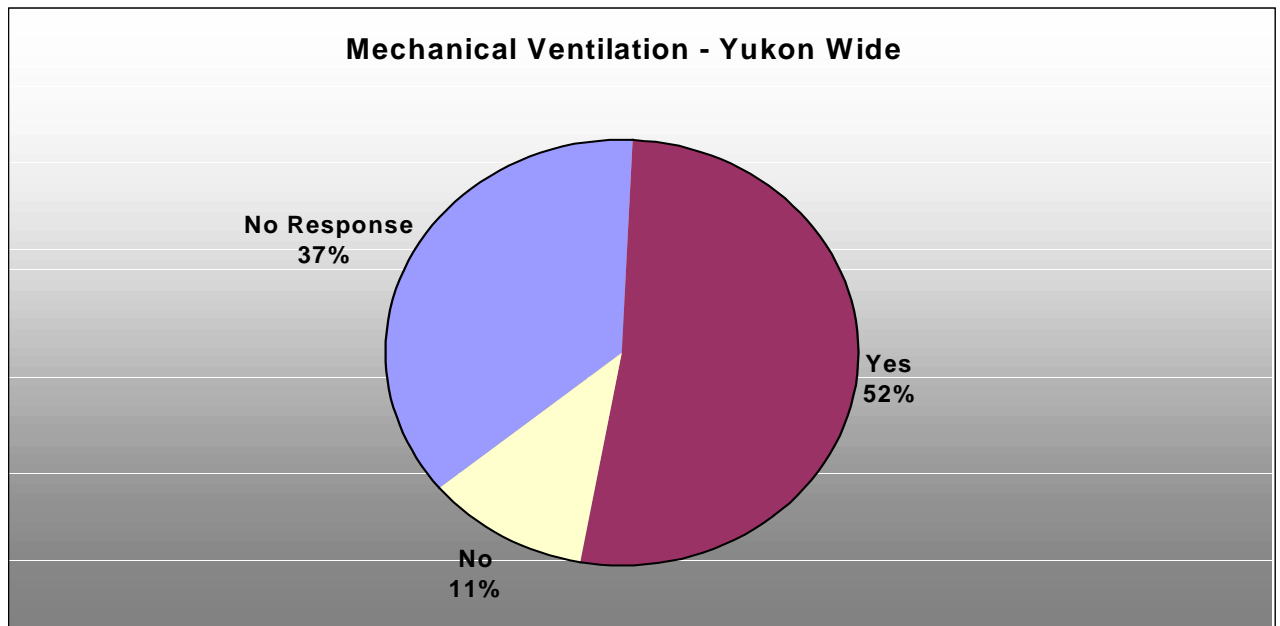
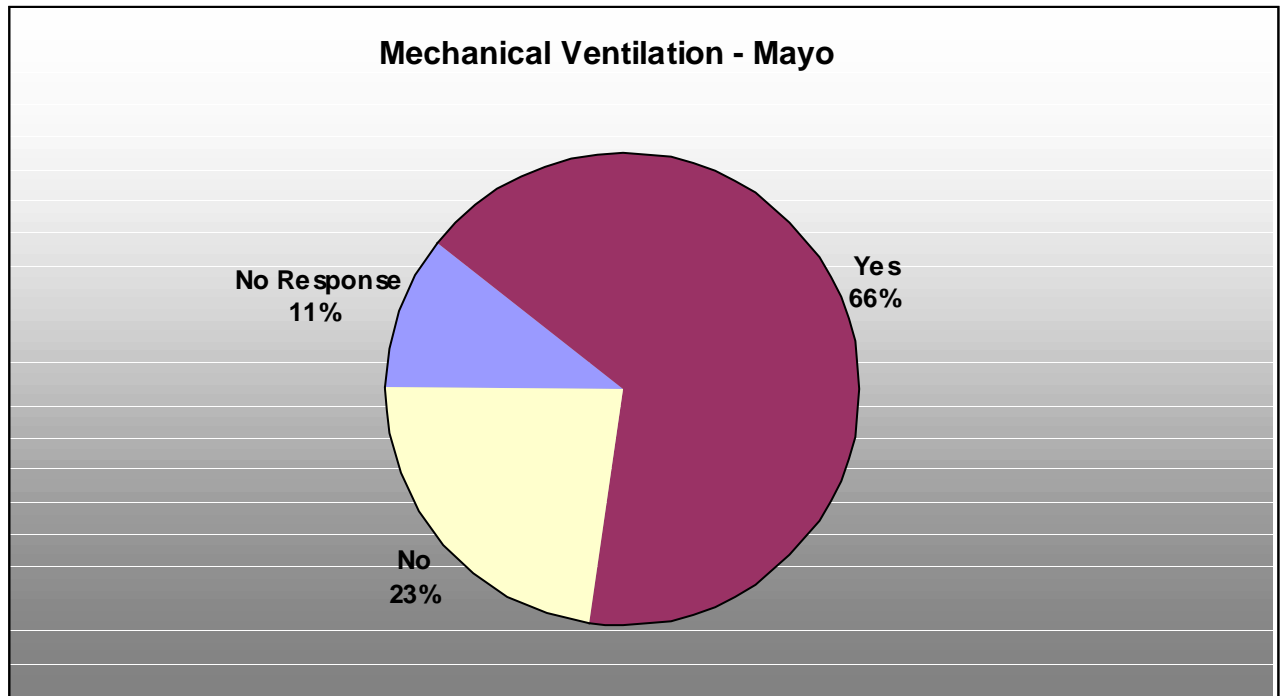


**HIGHLIGHTS**

- 15 percent of Mayo dwellings and 10 percent, approximately 1,100 dwellings in the Yukon, do not have working smoke alarms.

### 1.4.3 MECHANICAL VENTILATION

Mechanical ventilation includes heat recovery ventilators, central fans without heat recovery, and direct fresh air supplied by ducting to a furnace return air duct. The following pie charts show the percentage of households that have mechanical ventilation:

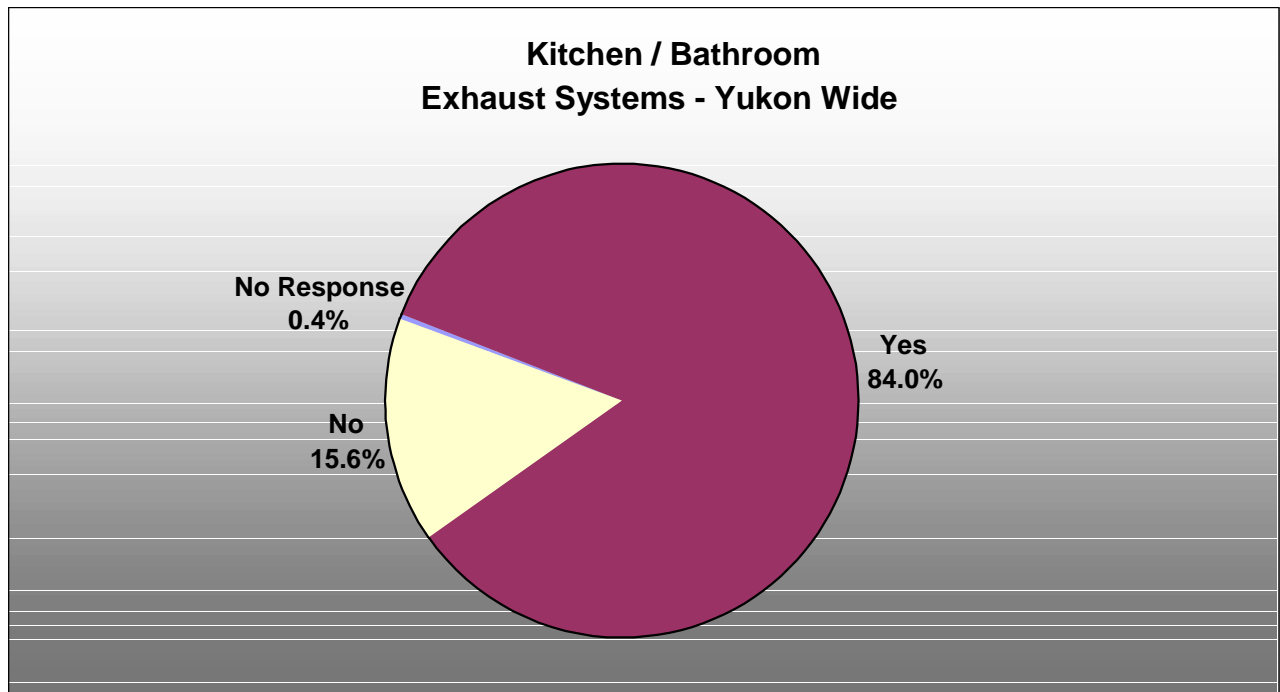
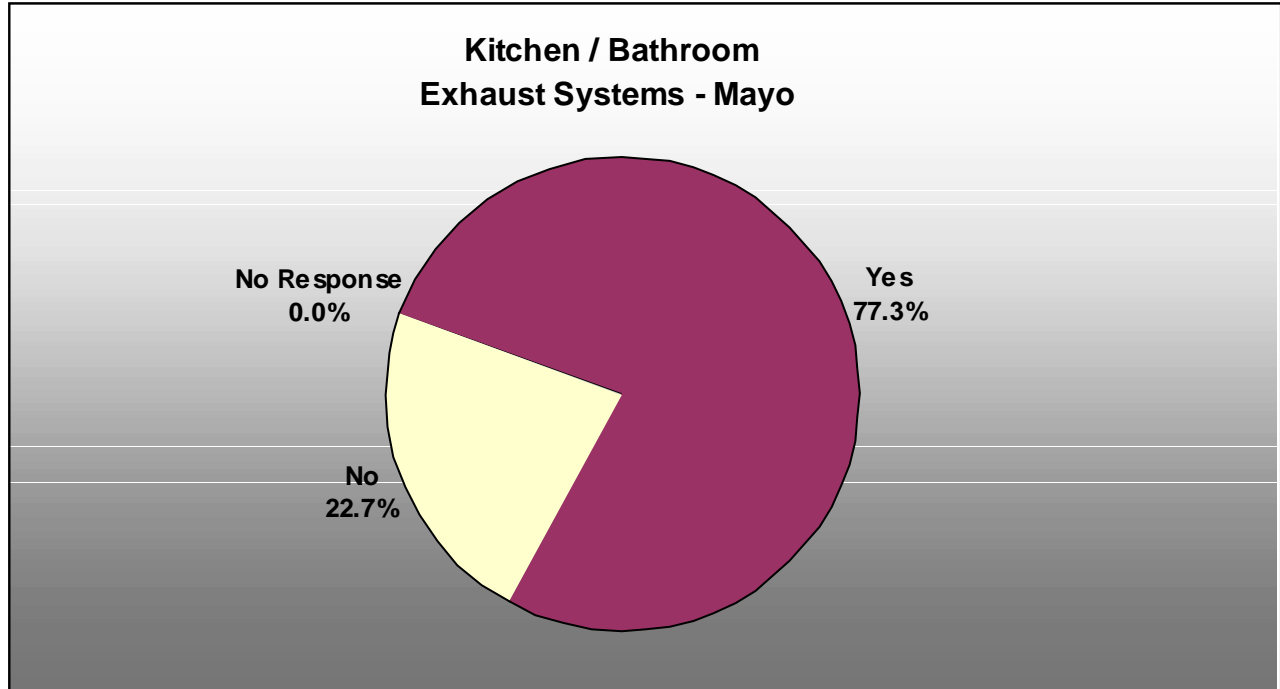


#### HIGHLIGHTS

- 66 percent of Mayo respondents and 52 percent of all Yukon respondents said their dwellings had mechanical ventilation.

## 1.4.4 KITCHEN/BATHROOM EXHAUST SYSTEMS

The following pie charts show the percentage of households that have kitchen/bathroom exhaust systems:

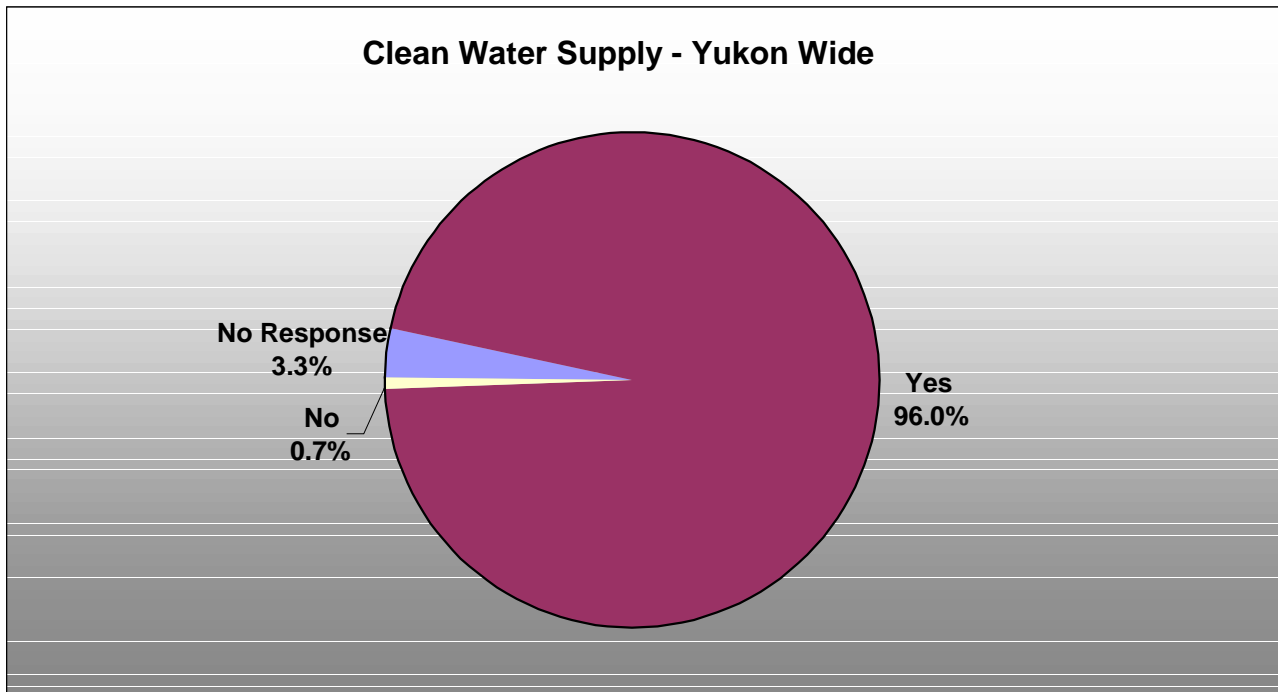
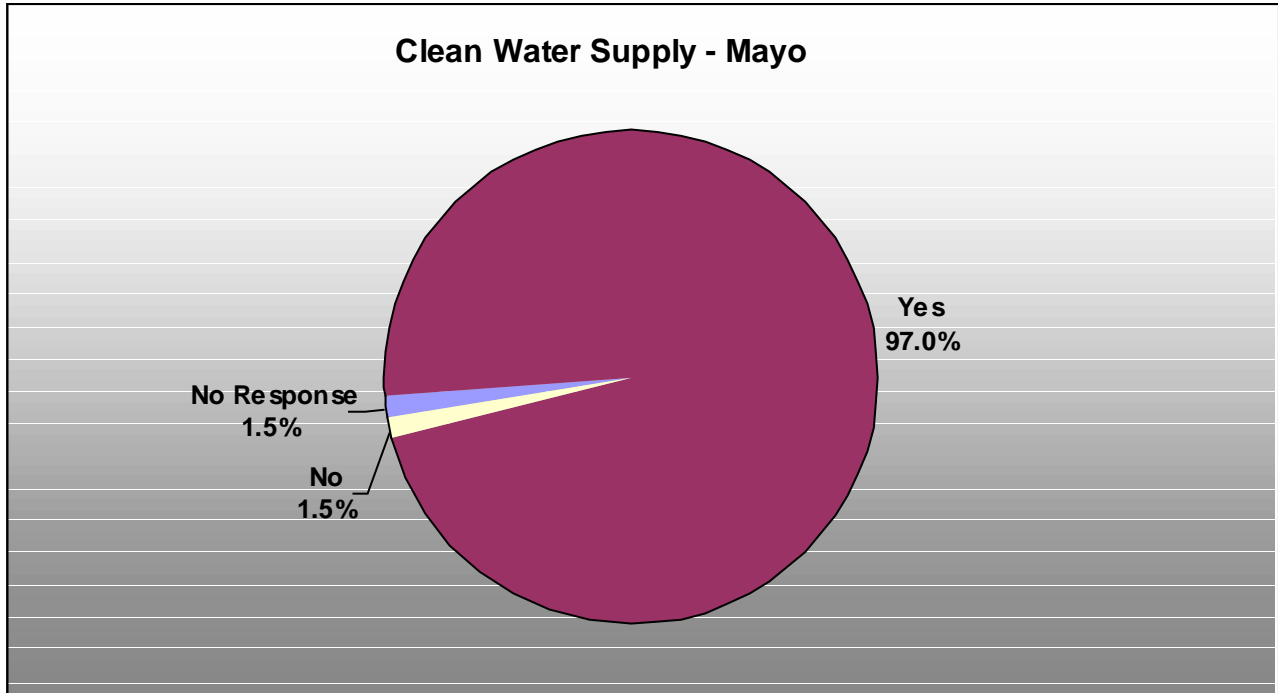


### HIGHLIGHTS

- 22.7 percent of the dwellings in Mayo and 15.6 percent in the entire Yukon do not have kitchen and/or bathroom exhaust systems.

## 1.4.5 WATER SUPPLY

The following pie charts show the percentage of households that have a clean water supply:

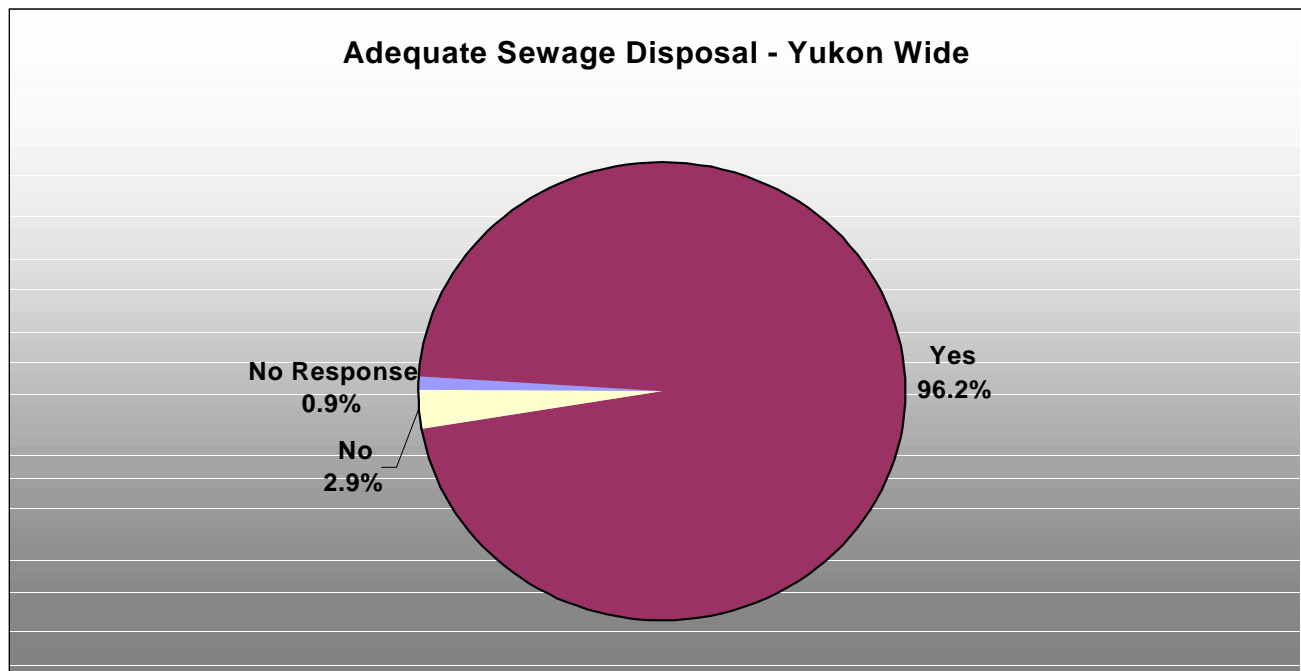
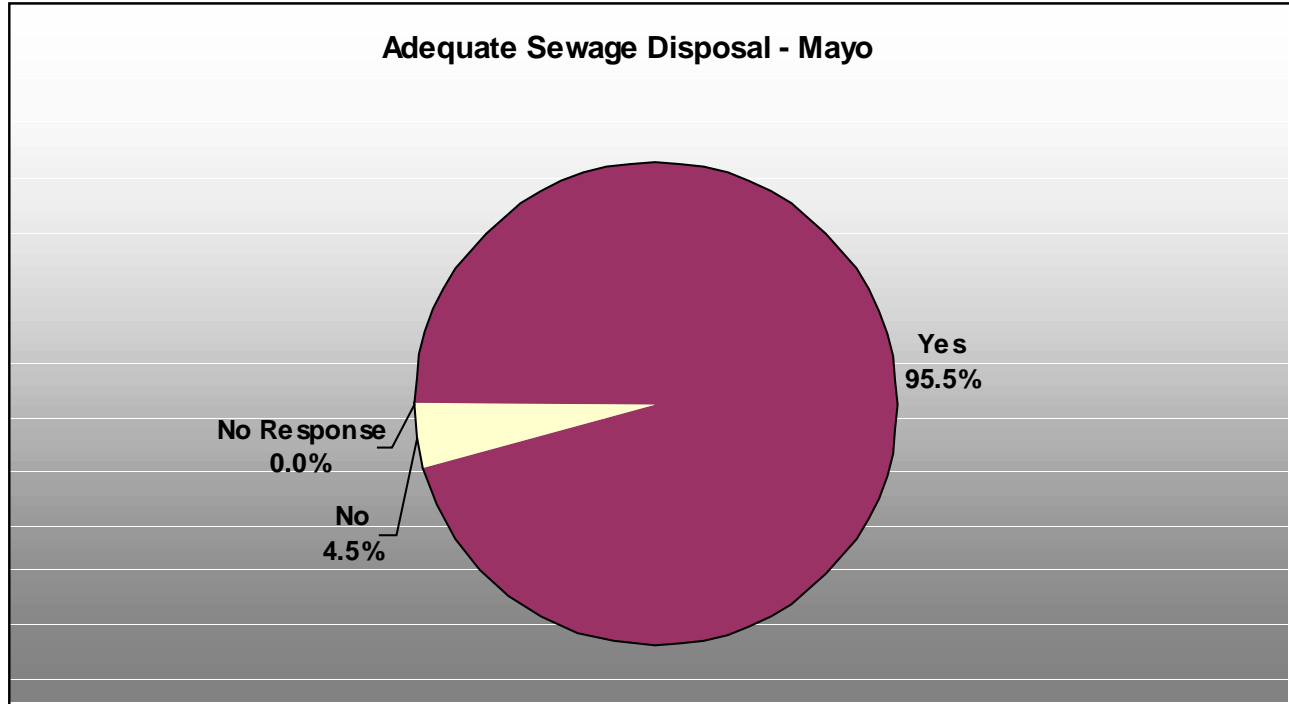


### HIGHLIGHTS

- The majority of households in both Mayo, 97 percent, and in the Yukon, 96 percent, have a clean water supply.

## 1.4.6 SEWAGE DISPOSAL

The following pie charts show the percentage of households that have adequate sewage disposal:



### HIGHLIGHTS

- The majority of households in both Mayo, 95.5 percent, and in the Yukon, 96.2 percent, have adequate sewage disposal.
- 4.5 percent of Mayo households do not have adequate sewage disposal.

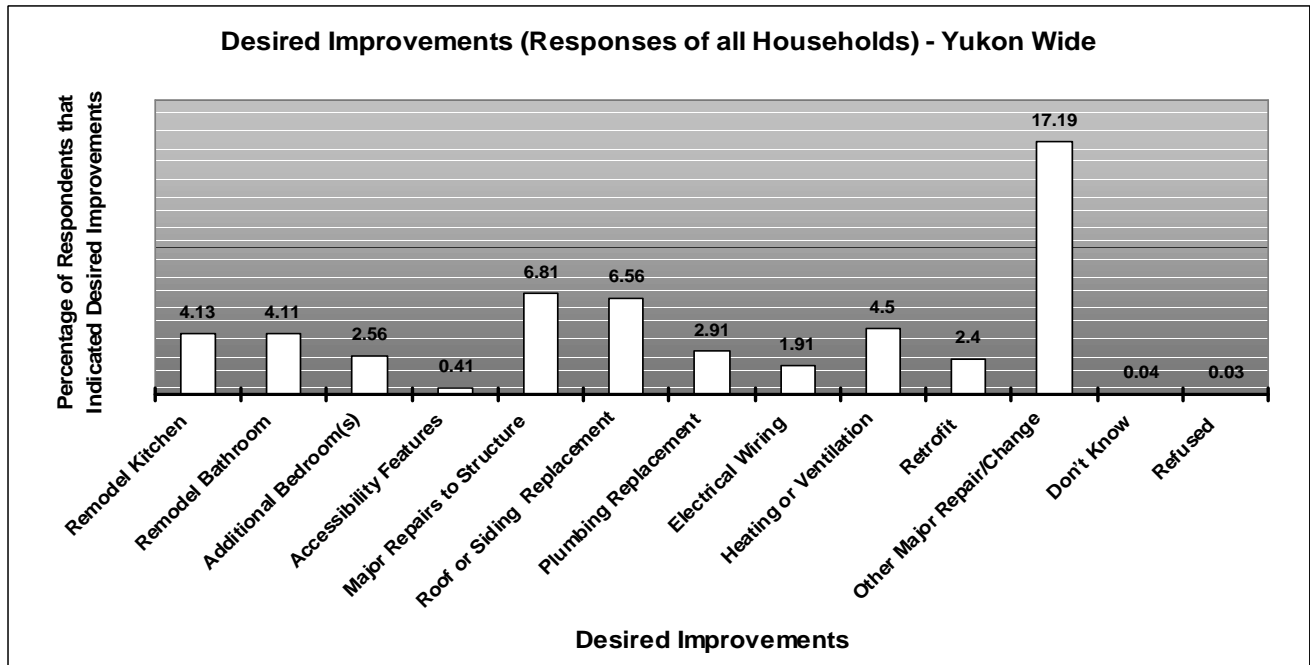
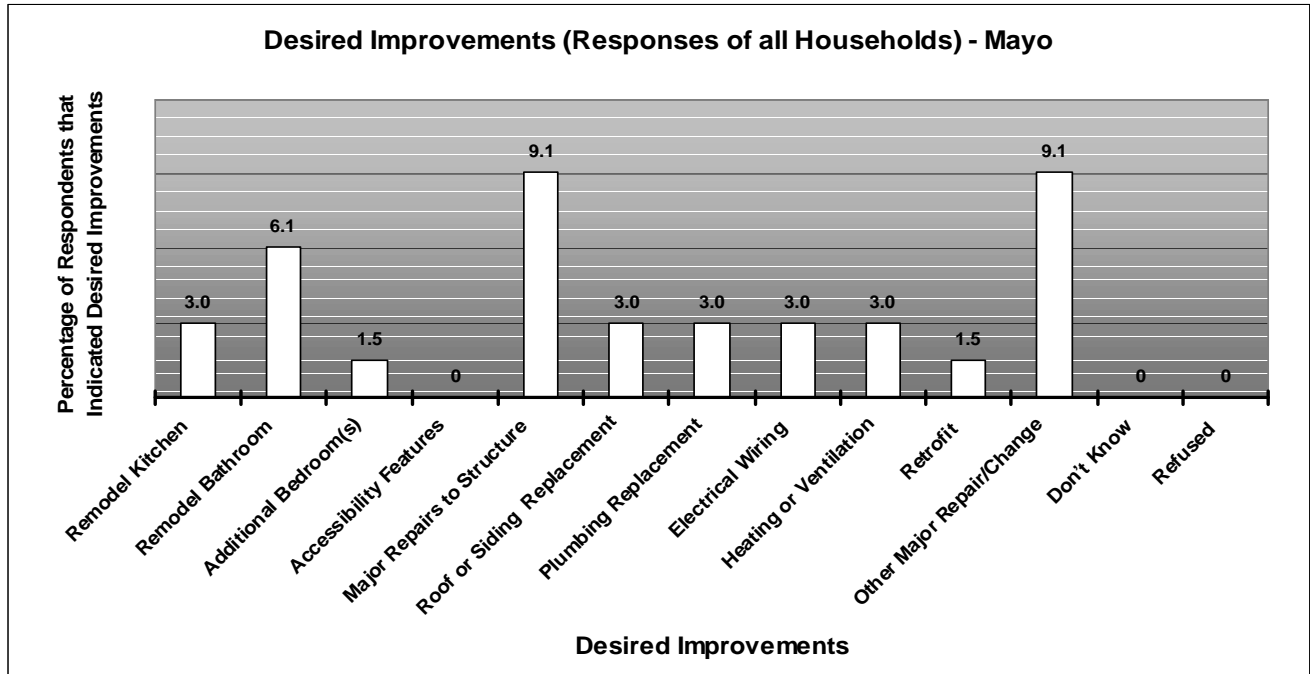
## 1.5 DESIRED IMPROVEMENTS

Respondents were asked what types of changes or repairs they would like to make in the next two years. The next sub-theme shows the percentage of households that desire improvements:

⇒ **DESIRED IMPROVEMENTS.**

## 1.5.1 DESIRED IMPROVEMENTS

“Major Repairs to Structure” includes repairs to walls, foundation, floors and ceiling. “Other Major Repair/Change” addresses the development of and/or addition of new space. These bar charts show the percentage of respondents who indicated various desired improvements.



### HIGHLIGHTS

- There are a large variety of desired improvements in Mayo.
- Apart from the non-specific “Other” category, structural repairs at 9.1 percent, and bathroom remodeling at 6.1 percent are the most desired improvements in Mayo.

## 2 DWELLING AFFORDABILITY

Dwelling affordability is a measure of the ability of the occupants of a dwelling to pay for their housing. Dwelling affordability was determined using ranges of incomes and ranges of expenses. Using these ranges, and the standard of 30 percent shelter cost to income ratio as a cut-off, it was possible to determine households where there was an affordability problem, households where there was no affordability problem, and households where there was a “possible” affordability problem. There were also households where respondents did not provide household income and/or expense information. These fell into the “insufficient data” category.

### 2.1 PRESENCE OR ABSENCE OF AFFORDABILITY PROBLEM

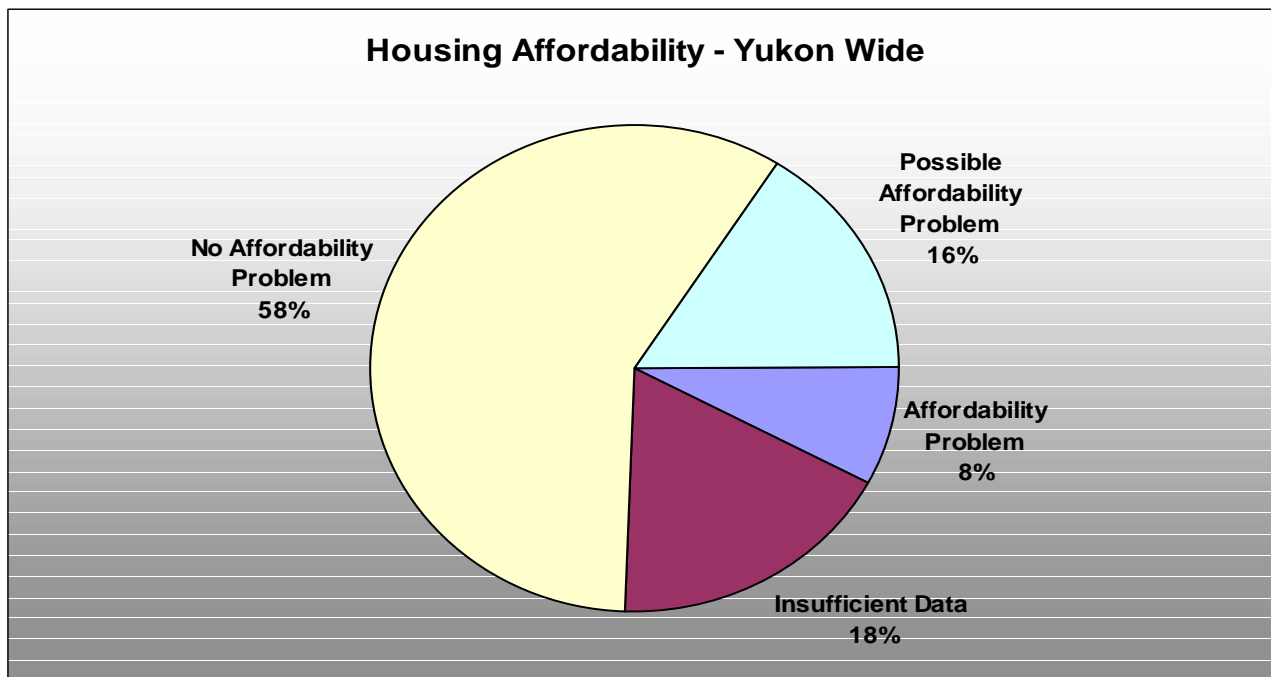
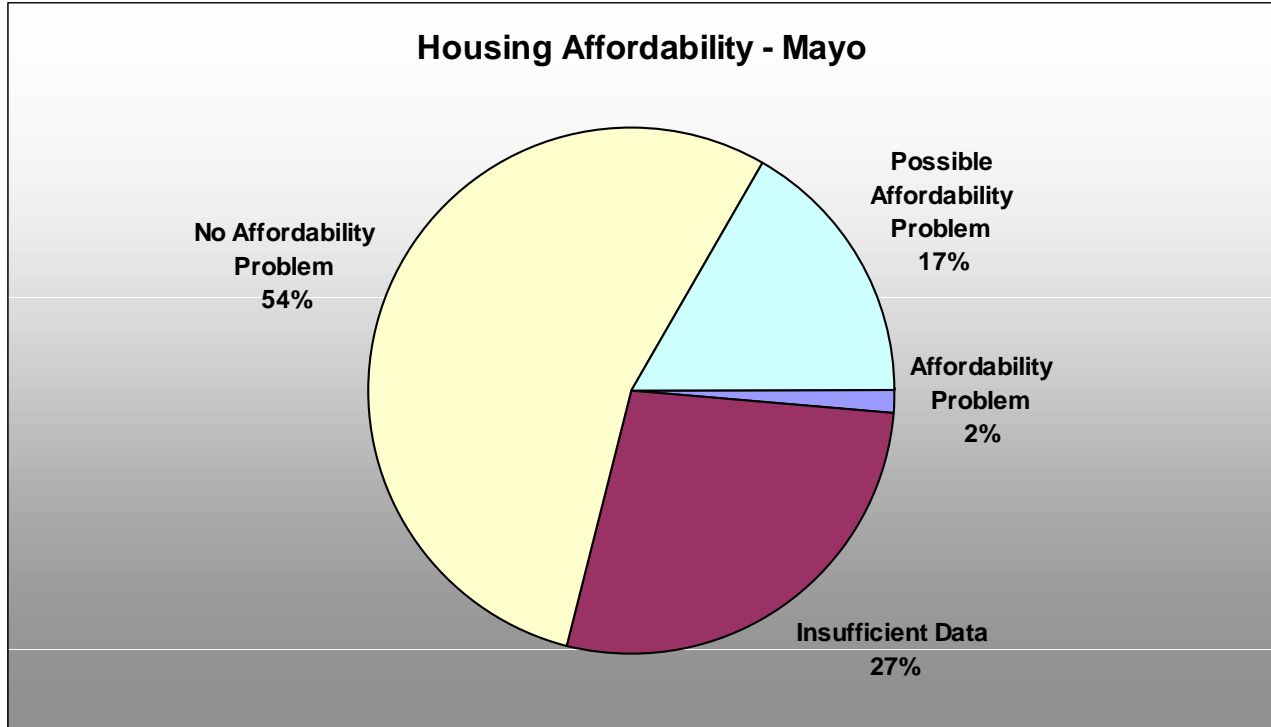
Respondents were asked whether they had an affordability problem. The next sub-theme shows dwelling affordability in Mayo and in the Yukon:

⇒ **AFFORDABILITY.**



## 2.1.1 AFFORDABILITY

The following pie charts show the percentage of households in each category:



### HIGHLIGHTS

- Mayo and Yukon wide results are similar.
- In Mayo, 2 percent of households indicated having an affordability problem where they are spending more than 30 percent of their income on shelter costs. This compares to 8 percent territory wide.

## 3 DWELLING SUITABILITY

“Dwelling suitability” in housing refers to the appropriateness of the dwelling for the people living in it including factors such as crowding and accessibility.

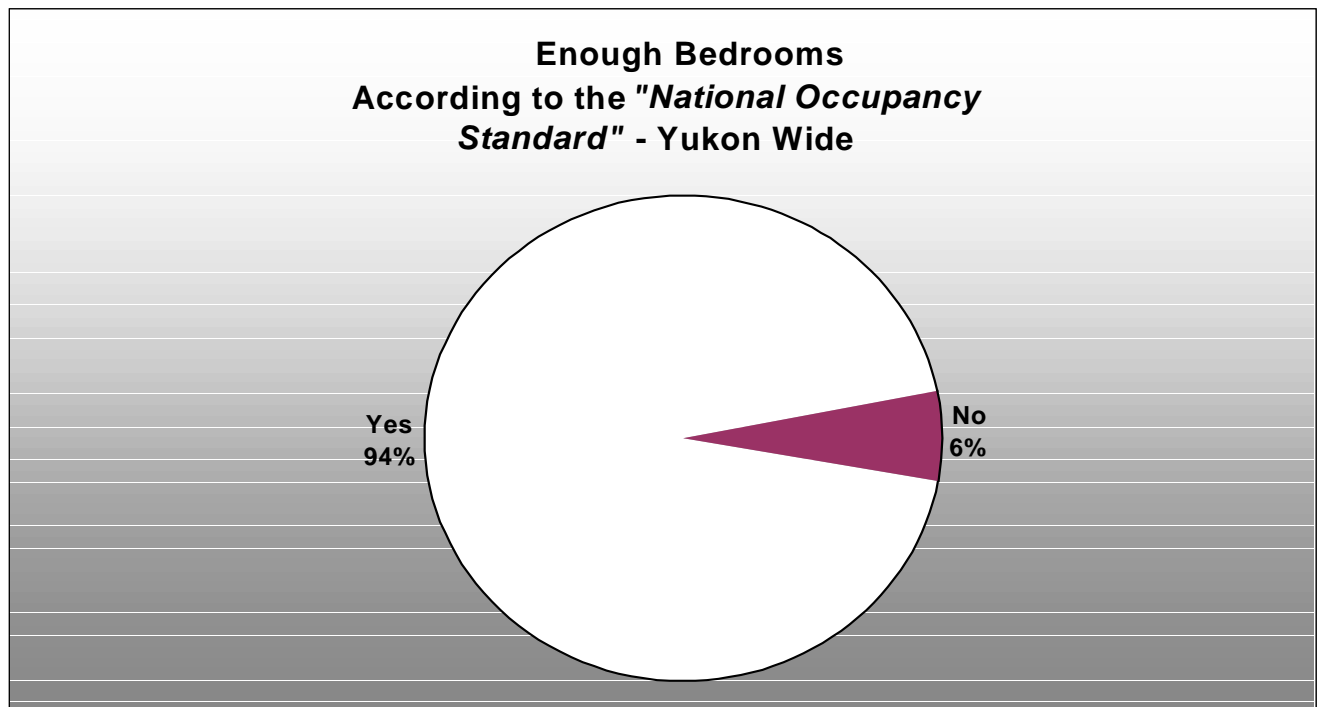
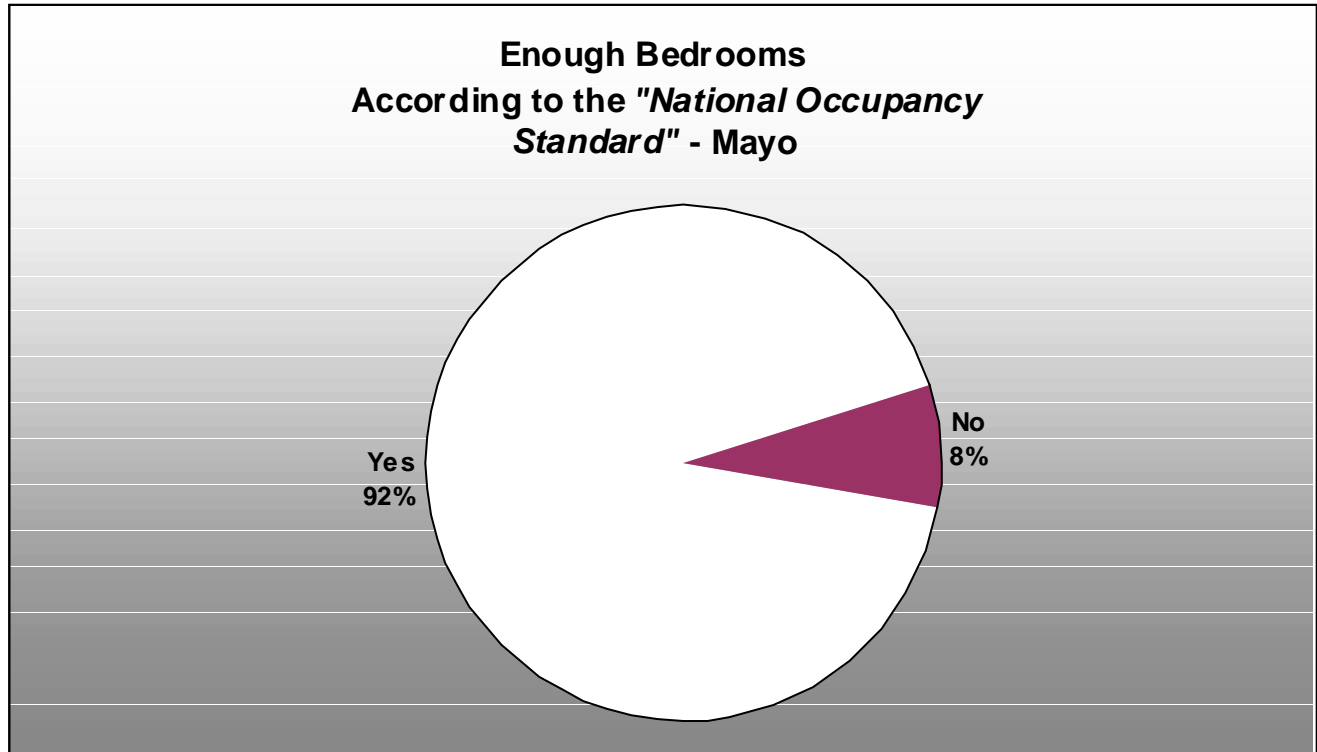
### 3.1 CROWDING

The National Occupancy Standard stipulates, for example, a minimum number of bedrooms required in a dwelling depending on the age and gender composition of the household. According to this standard, for example, separate bedrooms are required for each adult over the age of 18 unless that adult is in a married or common-law relationship with another household member. The next two sub-themes address crowding:

- ⇒ **BEDROOMS,**
- ⇒ **PERCENTAGE OF HOUSEHOLDS THAT USE OTHER ROOMS AS BEDROOMS.**

### 3.1.1 BEDROOMS

The following pie charts show the percentage of households with enough bedrooms:

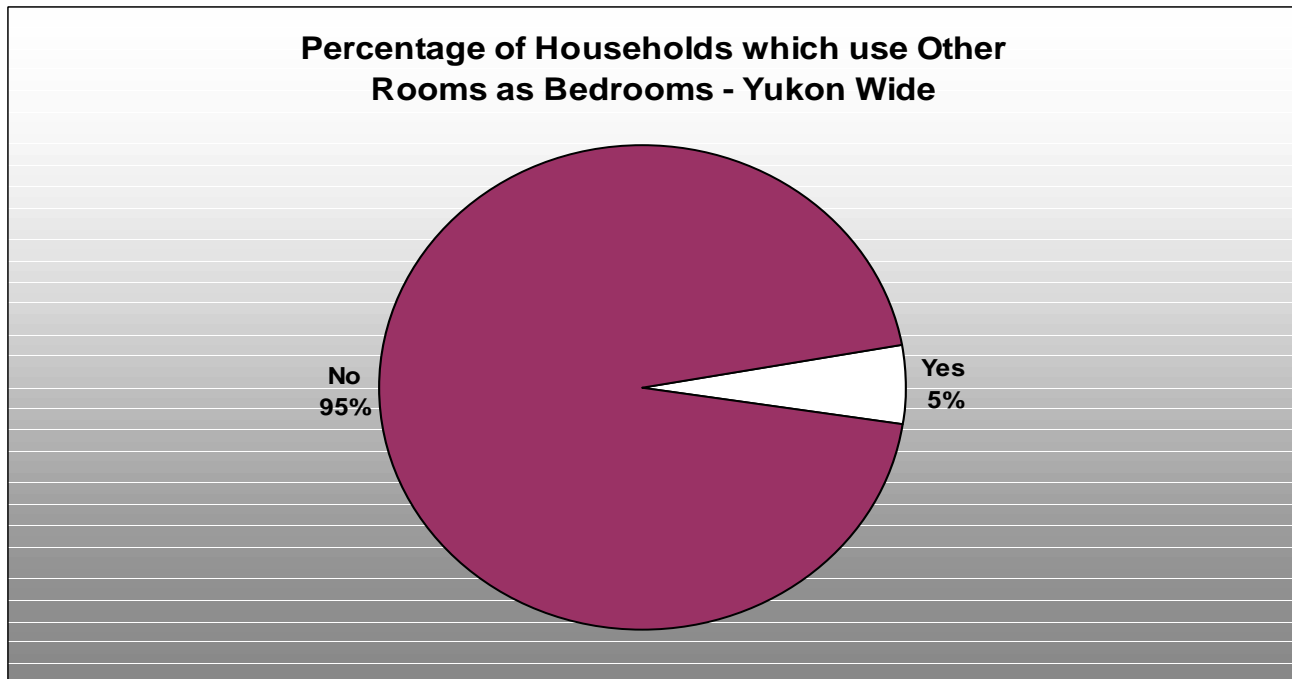
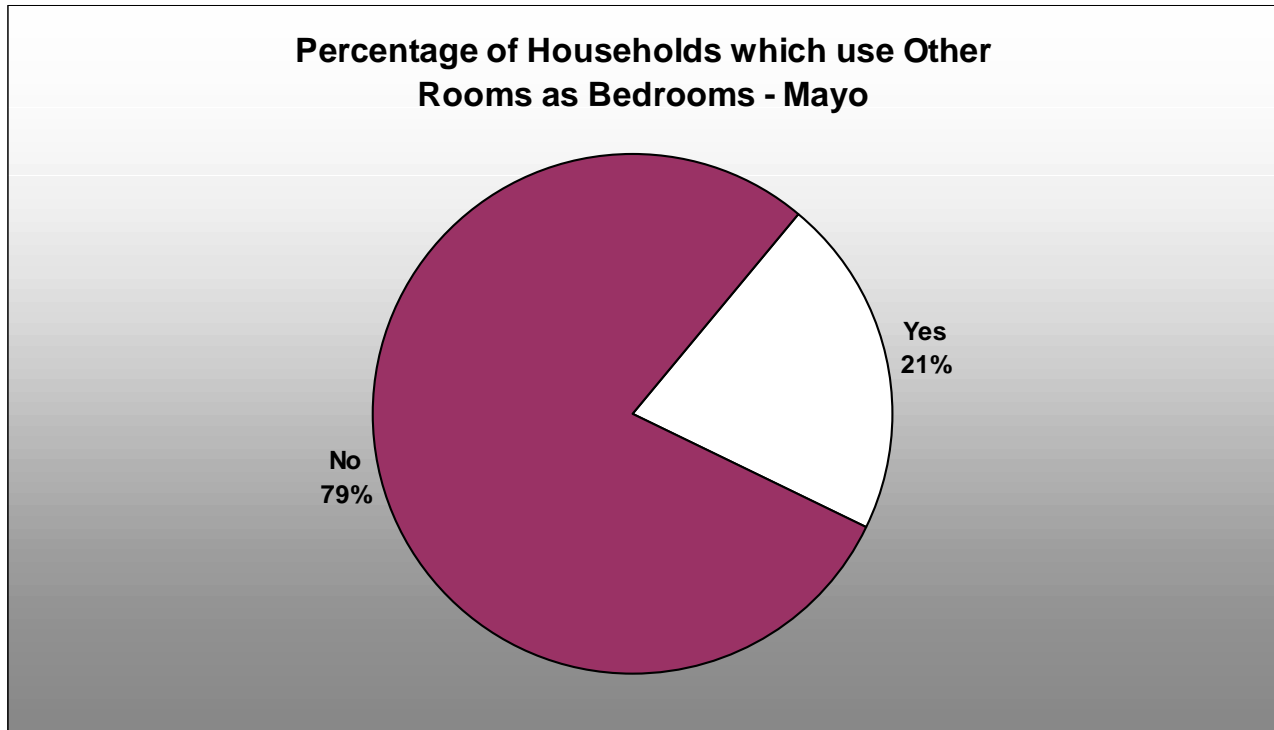


#### HIGHLIGHTS

- Mayo and Yukon wide results are similar. According to the *National Occupancy Standard*, 8 percent of all households in Mayo and 6 percent of the households in the Yukon do not have enough bedrooms.

### 3.1.2 PERCENTAGE OF HOUSEHOLDS THAT USE OTHER ROOMS AS BEDROOMS

Some households use rooms other than bedrooms as bedrooms. The percentage of households that do this is shown below for both Mayo and the Yukon in general.



#### HIGHLIGHTS

- 21 percent of households in Mayo use other rooms as bedrooms. This is more than 4 times the territorial rate of 5 percent.

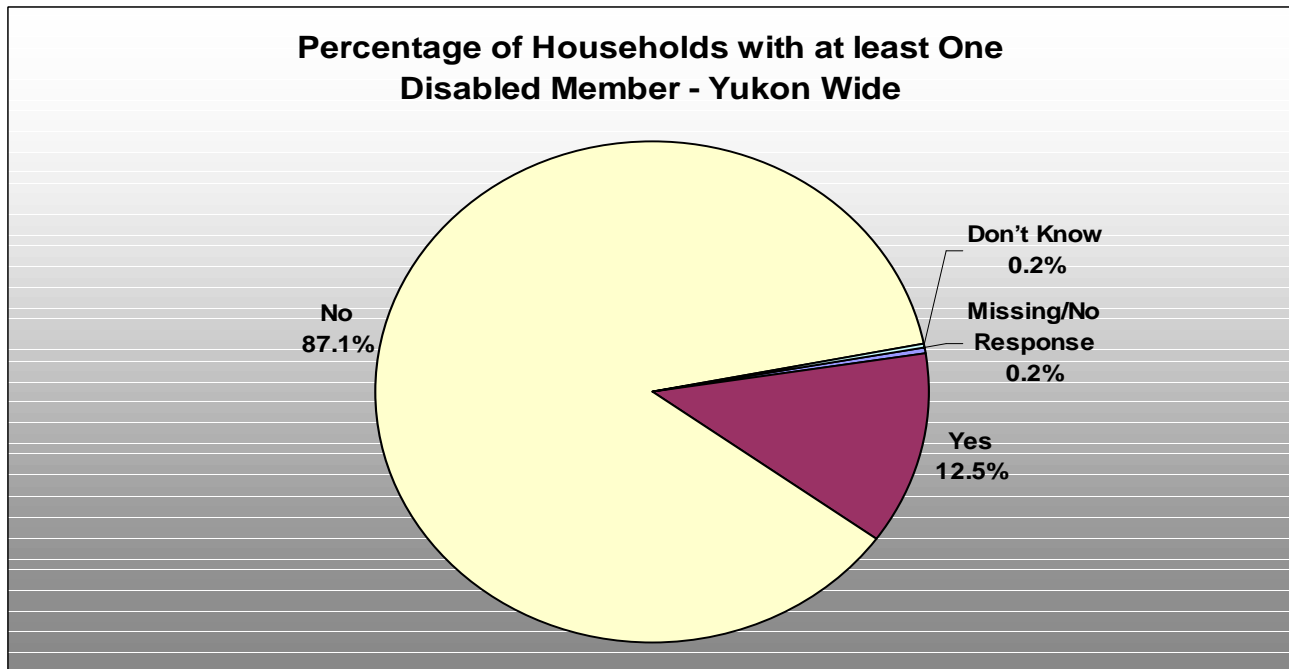
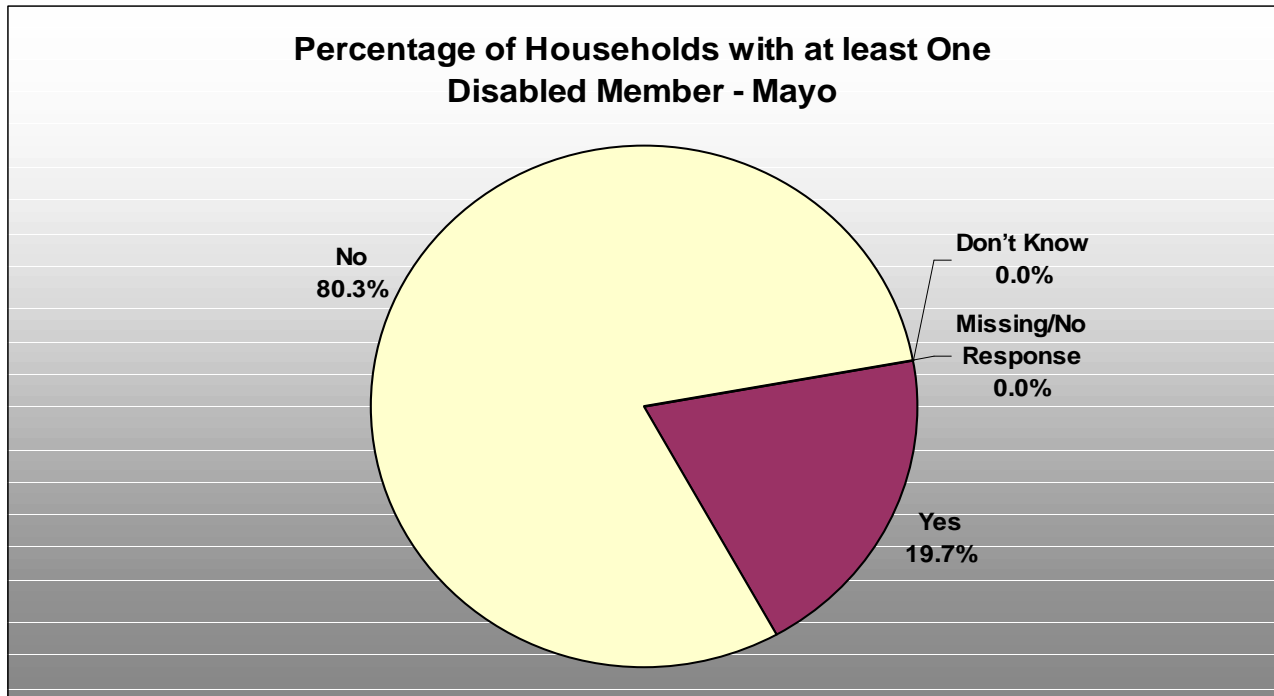
## 3.2 ACCESSIBILITY FOR DISABLED AND ELDERLY

Another factor used in determining the suitability of housing is accessibility of the dwelling for those households with one or more disabled members. In order to determine the importance of this factor, the number of households that have disabled members must be determined. This information is shown in the next three sub-themes:

- ⇒ **PERCENTAGE OF HOUSEHOLDS WITH AT LEAST ONE DISABLED PERSON,**
- ⇒ **NUMBER OF DISABLED PEOPLE IN HOUSEHOLDS,**
- ⇒ **ACCESSIBILITY FEATURE(S) REQUIRED.**

**3.2.1 PERCENTAGE OF HOUSEHOLDS WITH AT LEAST ONE DISABLED PERSON**

“Disability” was defined as either a mobility impairment requiring a wheelchair, other mobility impairment (for example, arthritis), visual, auditory, or other disability. The following pie charts show the percentage of households that have at least one disabled person.

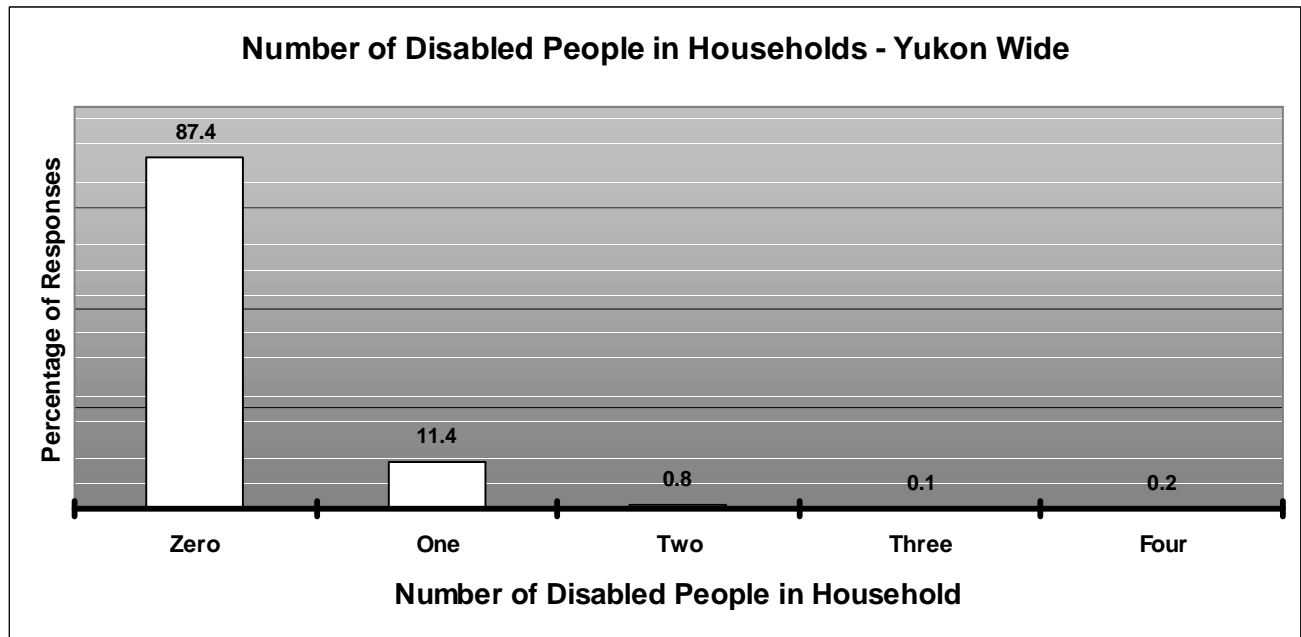
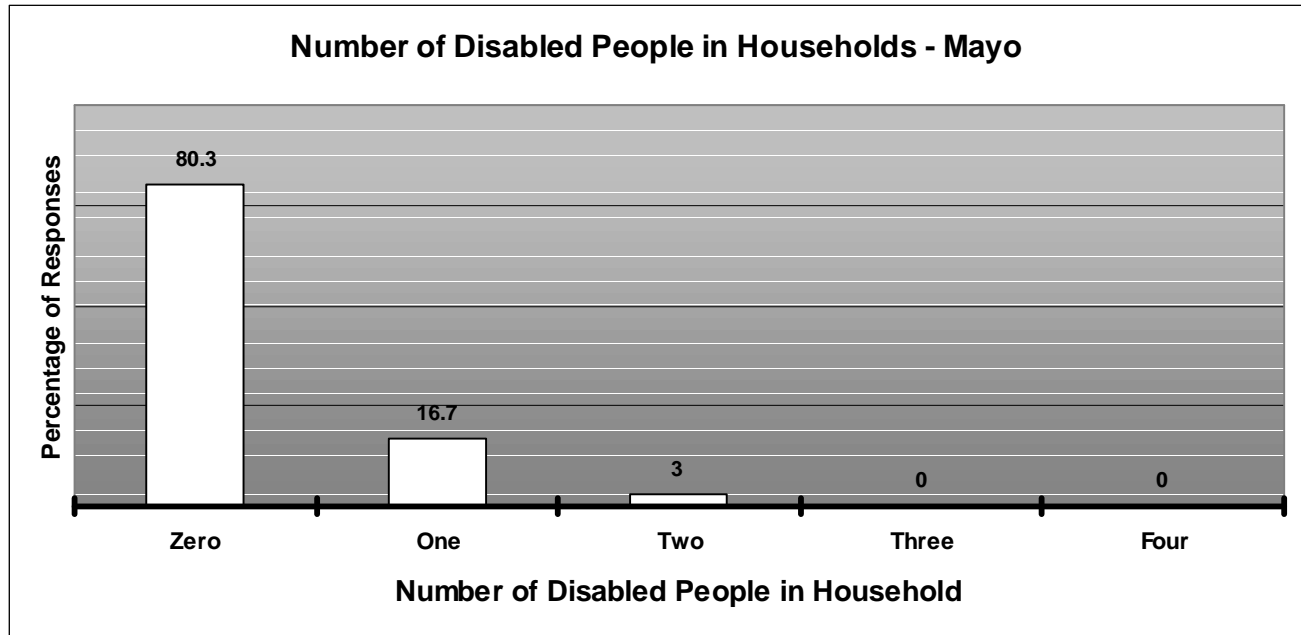


**HIGHLIGHTS**

- 19.7 percent of households in Mayo have at least one disabled person. This is higher than the territorial average of 12.5 percent.

### 3.2.2 NUMBER OF DISABLED PEOPLE IN HOUSEHOLDS.

These bar charts illustrate the percentage of households with zero, one, two, three or four disabled people.

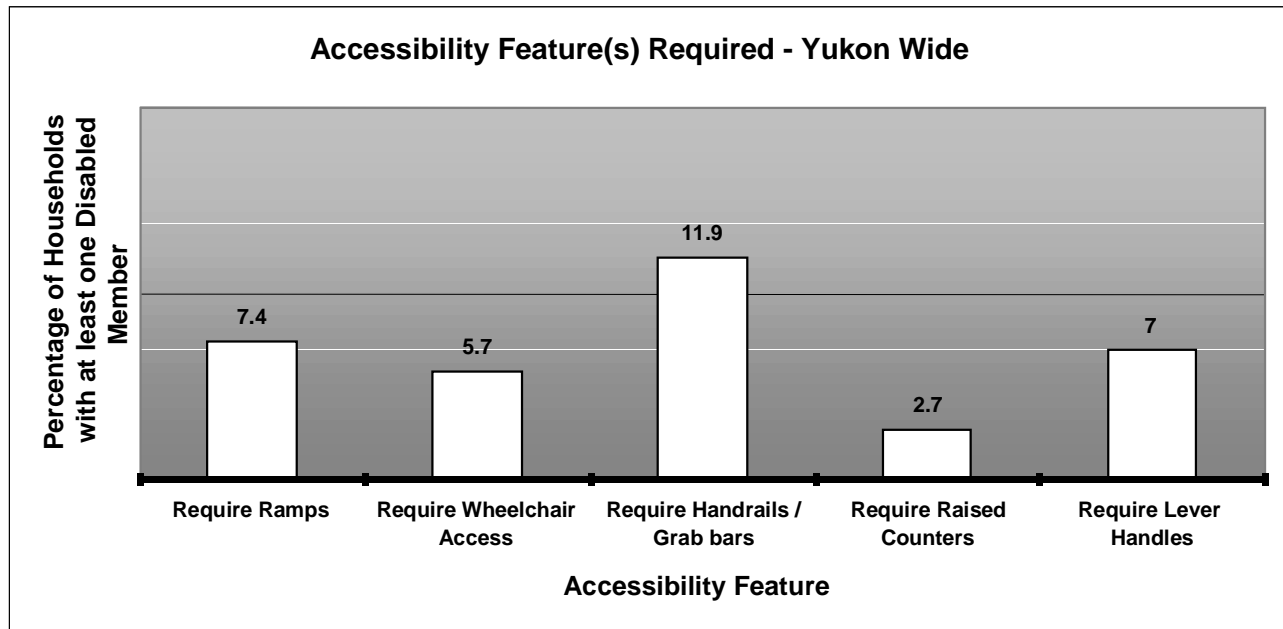
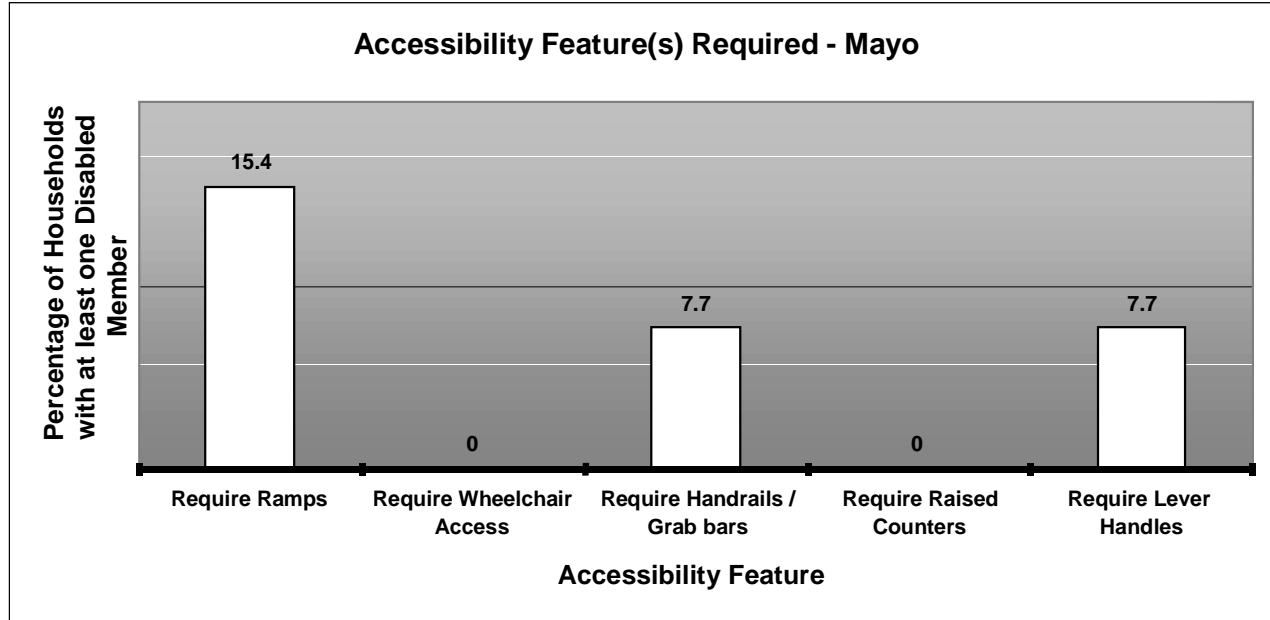


#### HIGHLIGHTS

- Mayo and Yukon wide results are similar.
- 16.7 percent of households in Mayo have one disabled person. This represents 11 households.
- 3 percent of households in Mayo have two disabled people per household. This represents 2 households.

### 3.2.3 ACCESSIBILITY FEATURE(S) REQUIRED

These bar charts illustrate the kinds of features required by households with at least one disabled person.



#### HIGHLIGHTS

- 15.4 percent of households in Mayo require ramps.
- 7.7 percent require handrails and grab bars.
- 7.7 percent require lever handles.
- Wheel chair access and raised counters are not required.



## **4 ACCESS TO HOME OWNERSHIP**

This category of information helps us to determine why renters have chosen to remain renters rather than buying a dwelling.

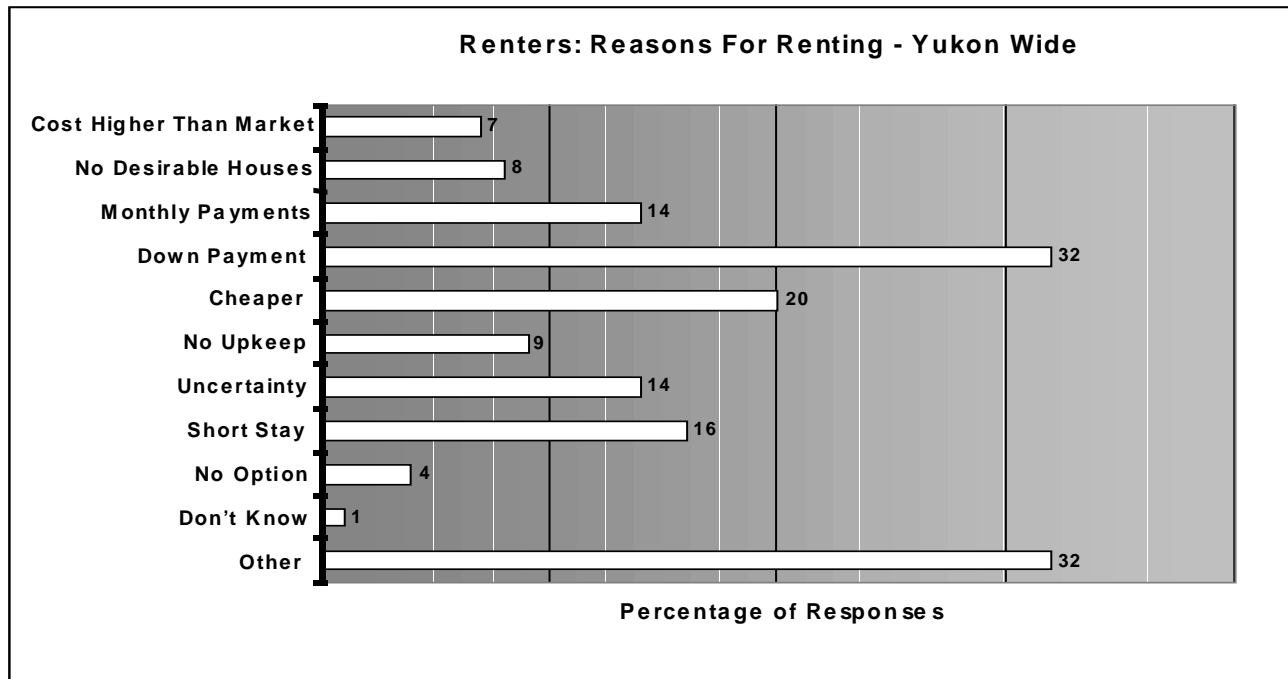
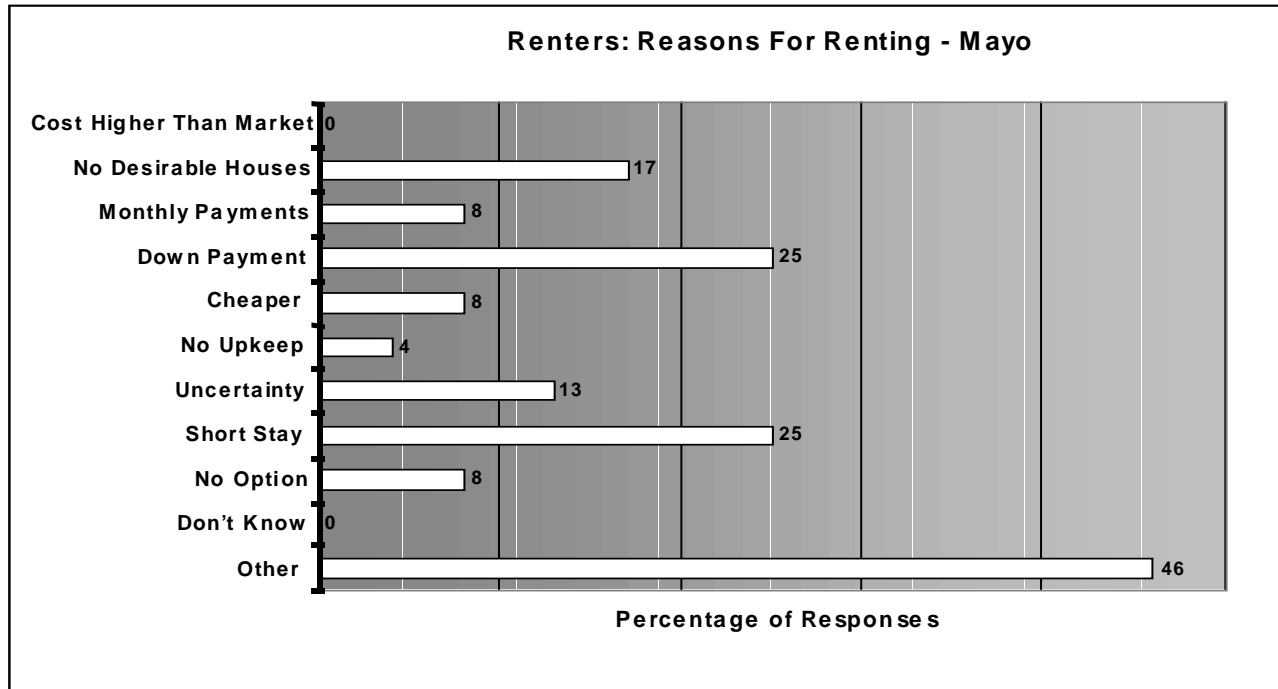
### **4.1 RENTERS**

The next sub-theme shows the responses of renters when asked, "Why have you chosen to rent rather than purchase housing?"

⇒ **RENTERS REASONS FOR RENTING.**

### 4.1.1 RENTERS REASONS FOR RENTING

These bar charts show the responses of renters.



### HIGHLIGHTS

- Aside from the unspecified “Other” answer, down payment, no desirable houses, and short stay were the most common answers in Mayo.
- “Other” includes reasons not captured in another category.

## 5 SENIORS AND ELDERS NEEDS

The last set of housing quality indicators this study covers is the housing needs of seniors and elders. The study of the appropriateness of, and the need for adaptations in seniors and elders housing is essentially a sub-study of “Dwelling Suitability”. However, because of our aging population, it has become increasingly important to understand the housing needs of this sub-group of the population. We have made a particular effort in this study to understand current, and probable future needs of this group. Again, in order to understand the importance of this, the number of households must be determined.

### 5.1 HOUSEHOLD TYPE

The following charts show the percentages of various types of households in the population. They also illustrate a range of housing quality indicators associated with the three kinds of households:

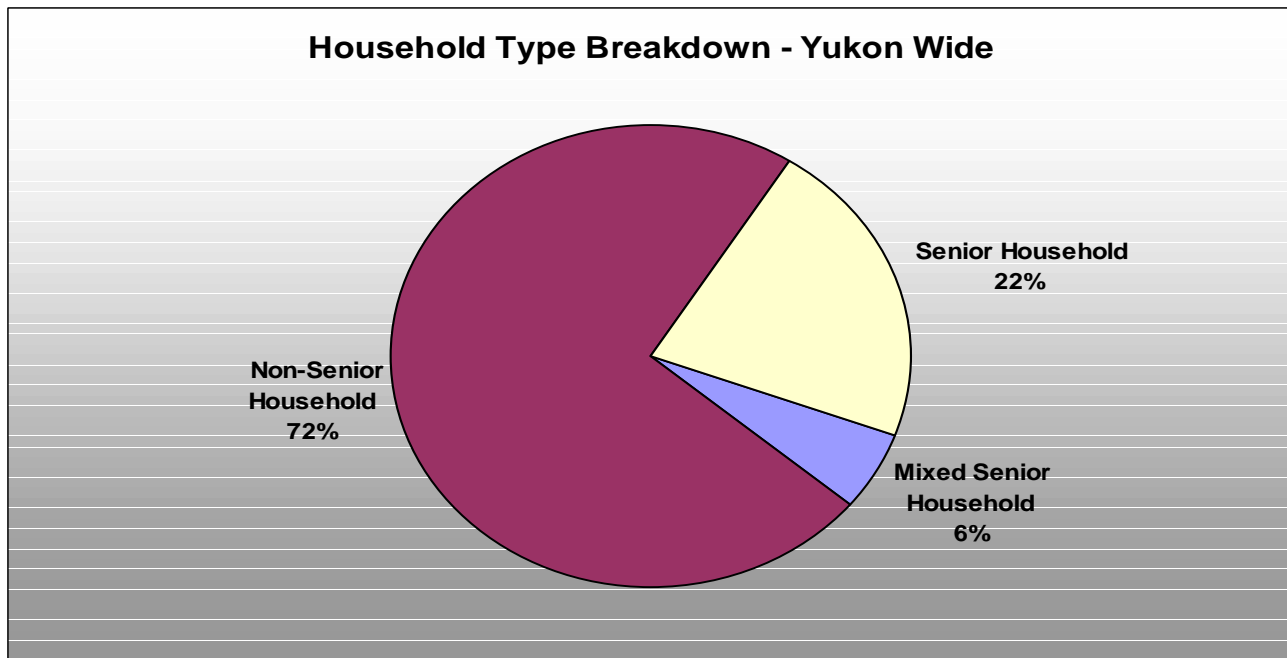
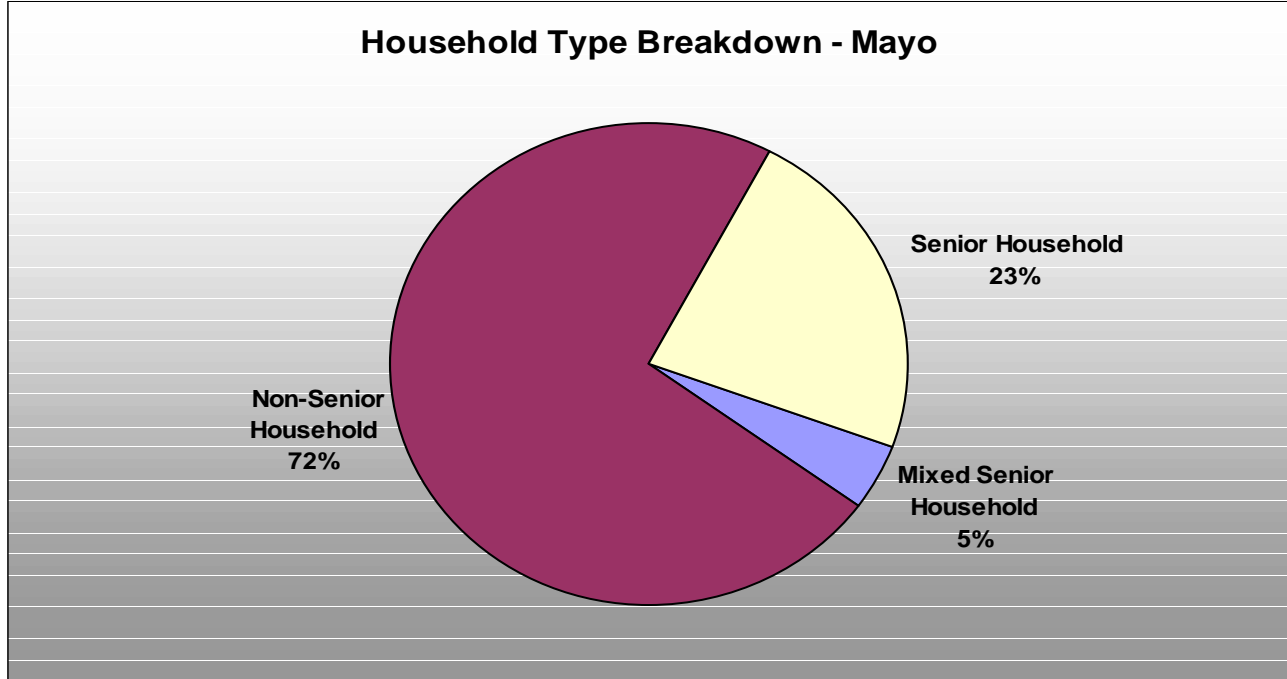
- Senior Household: *refers to a household in which all members are 55 years of age and over.*
- Mixed Senior Household: *refers to a household in which there is at least one member 55 years of age and over, and at least one member less than 55 years.*
- Non-Senior Household: *refers to a household in which there are no members over the age of 55.*

The next six sub-themes address household types:

- ⇒ **HOUSEHOLD TYPE BREAKDOWN,**
- ⇒ **HOUSEHOLD TYPE VERSUS REPAIR NEED,**
- ⇒ **HOUSEHOLD TYPE VERSUS BASIC HOUSEHOLD FACILITIES,**
- ⇒ **DWELLING AFFORDABILITY FOR HOUSEHOLD TYPE,**
- ⇒ **DWELLING MANAGEABILITY FOR A SENIOR,**
- ⇒ **PROBLEMS THAT A SENIOR WOULD HAVE LIVING IN THIS DWELLING.**

## 5.1.1 HOUSEHOLD TYPE BREAKDOWN

The following pie charts show household type breakdown:

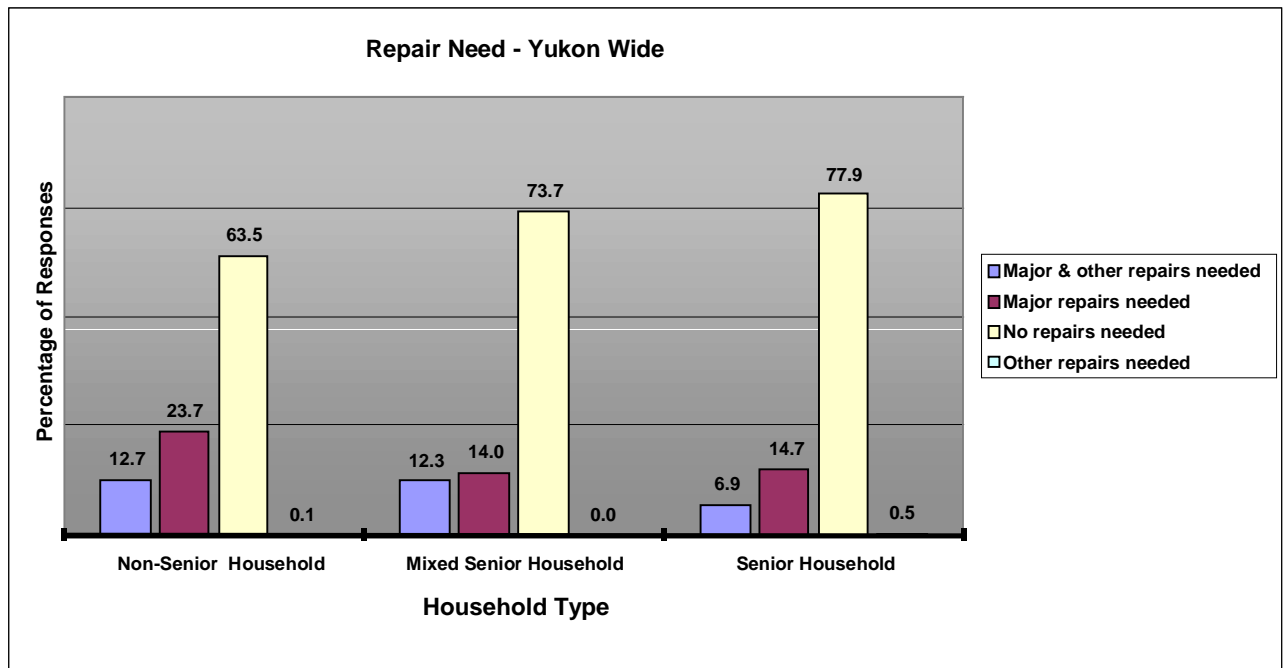
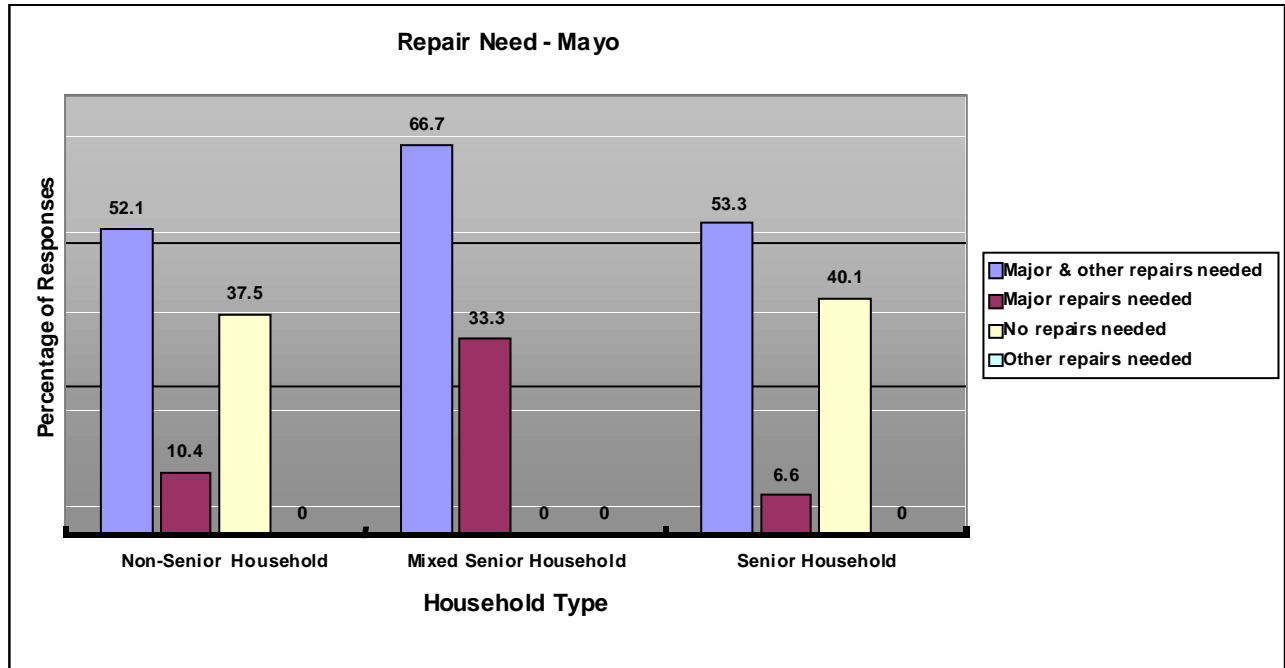


### HIGHLIGHTS

- Mayo percentages are similar to Yukon wide numbers.
- Senior households represent 23 percent of all households in Mayo.
- Mixed senior households represent 5 percent.
- The number of households with at least one senior member represents 28 percent of households in Mayo.

## 5.1.2 HOUSEHOLD TYPE VERSUS REPAIR NEED

These bar charts are included to show the kinds of households that are in need of repair.

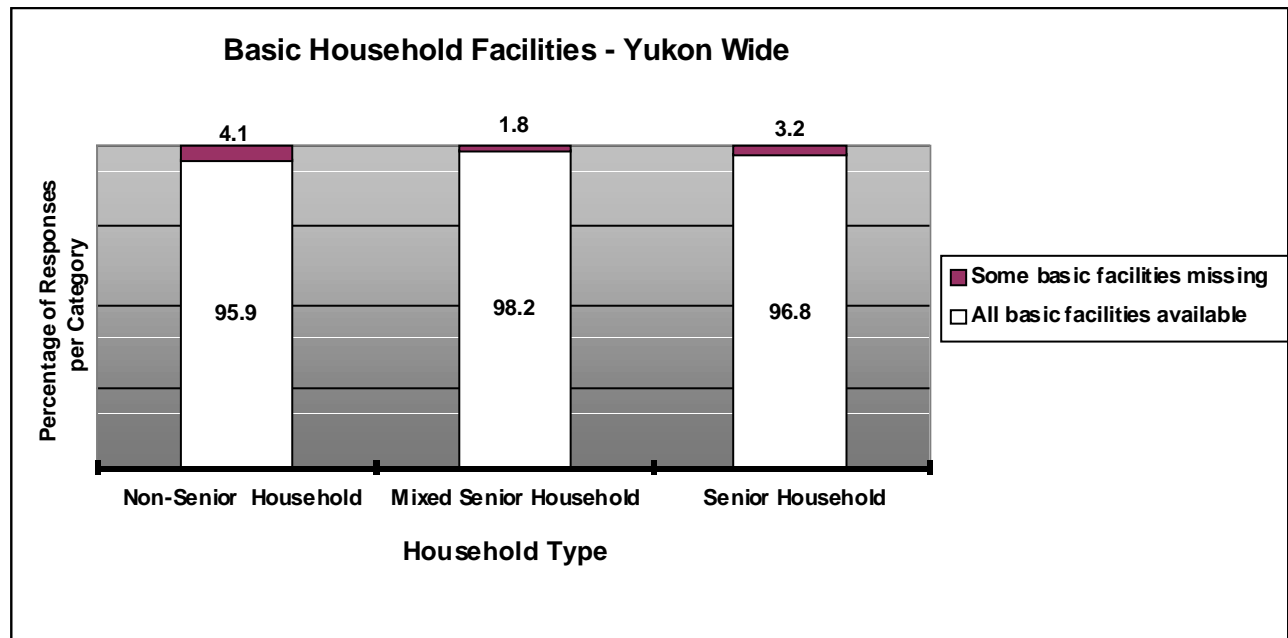
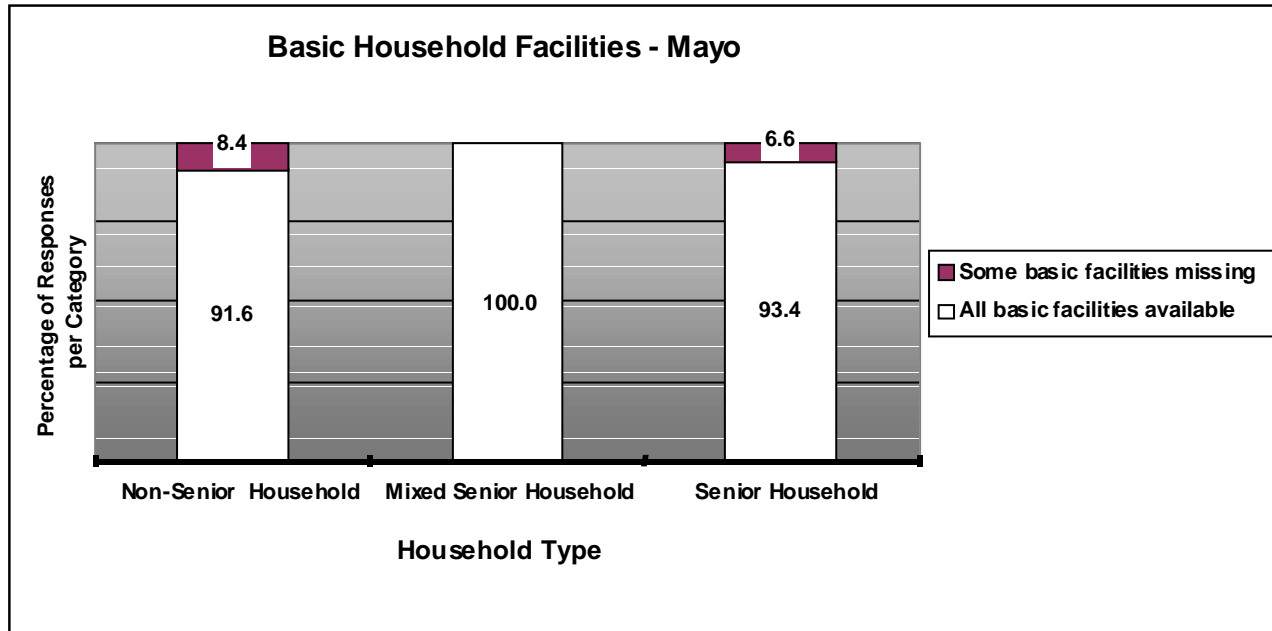


### HIGHLIGHTS

- The need for repairs is considerably higher in all household categories in Mayo than it is in the Yukon in general.
- The mixed senior category has the highest need for repair with 66.7 percent in the major and other repairs needed category and 33.3 percent in the major repairs needed category.

### 5.1.3 HOUSEHOLD TYPE VERSUS BASIC HOUSEHOLD FACILITIES

These bar charts compare the type of households with basic facilities.

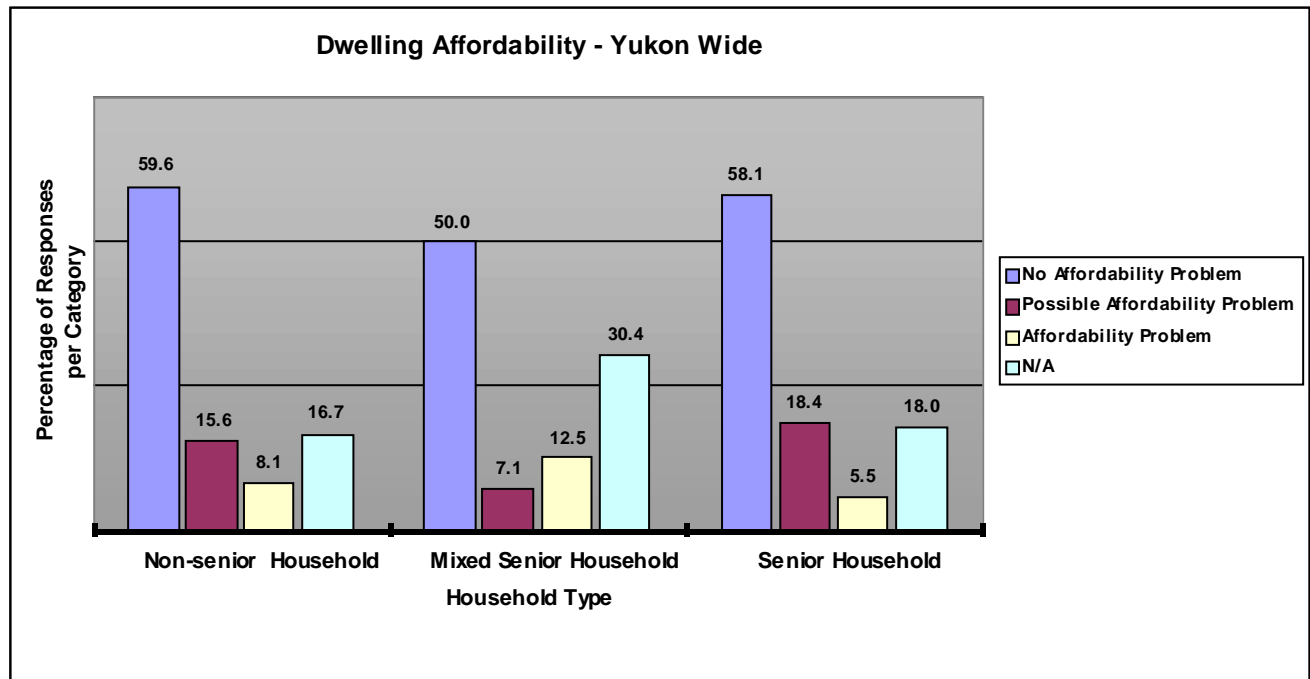
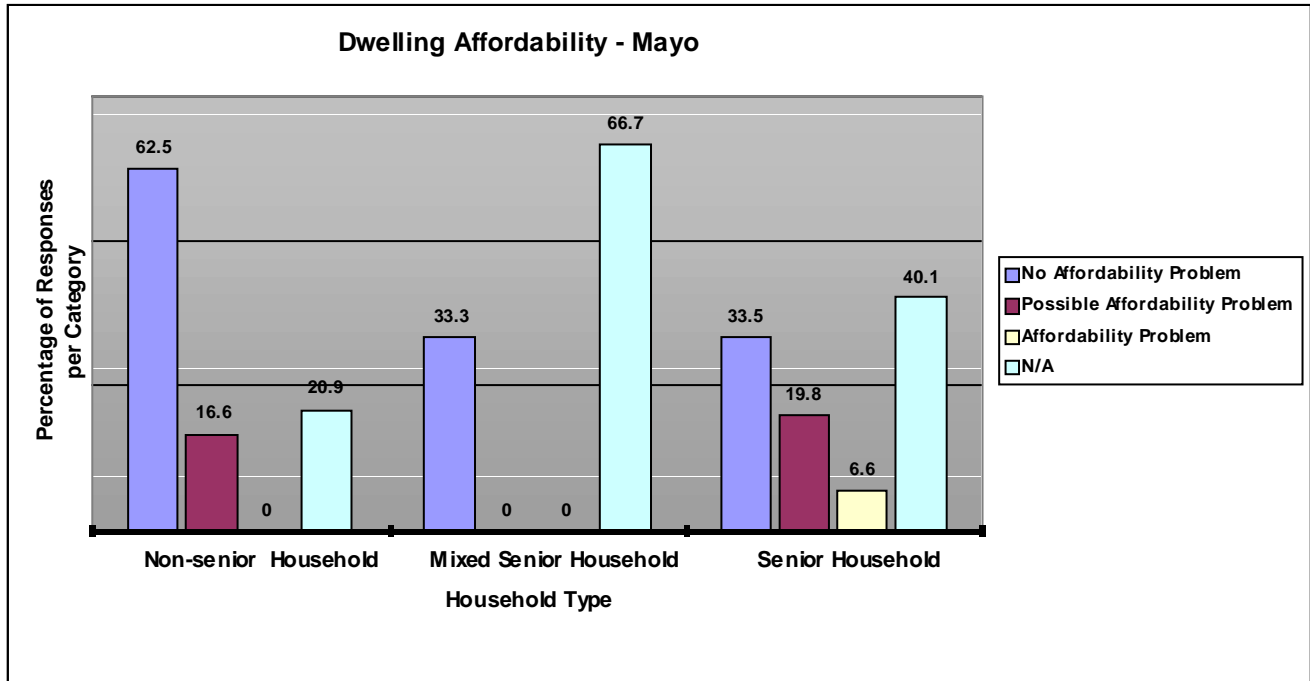


#### HIGHLIGHTS

- Most household types have basic household facilities in Mayo.
- The percentage of non-senior and senior households in Mayo requiring basic facilities is higher than the percentage of this category of household that require basic facilities Yukon wide.
- 100 percent of the mixed senior households in Mayo have all basic facilities. This represents 3 households.

### 5.1.4 DWELLING AFFORDABILITY FOR HOUSEHOLD TYPE

These bar charts compare the dwelling affordability for the kinds of households.

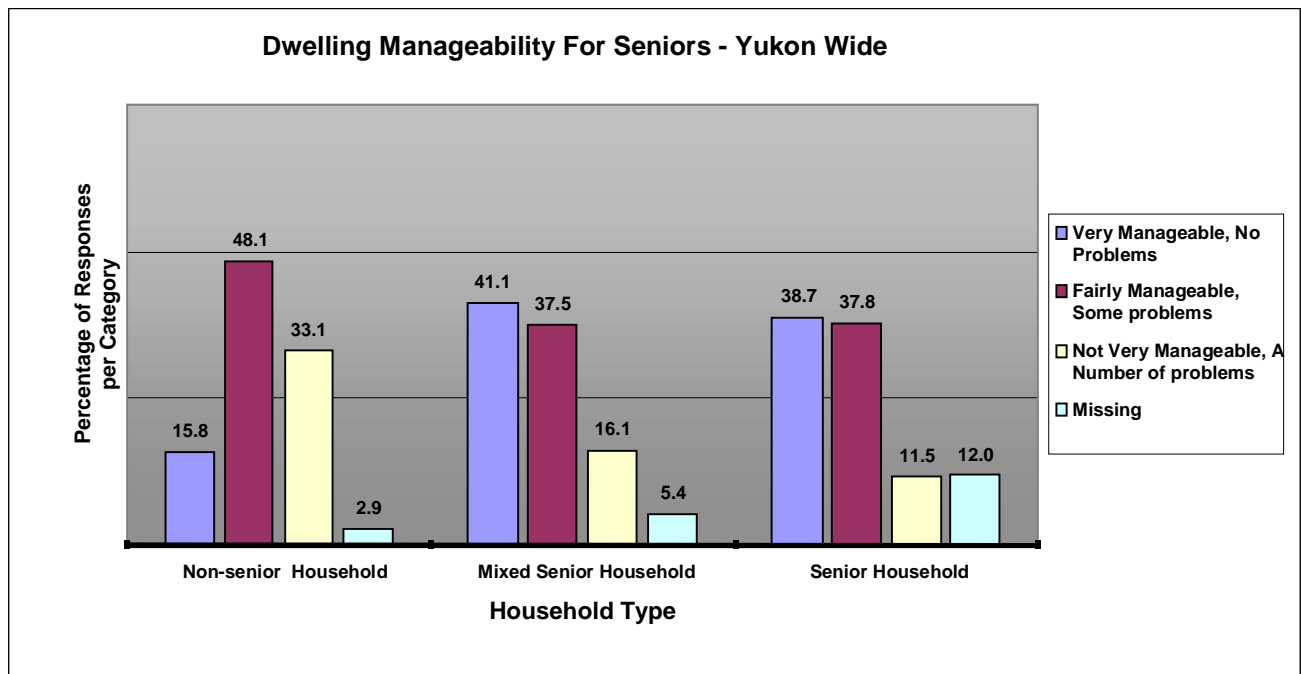
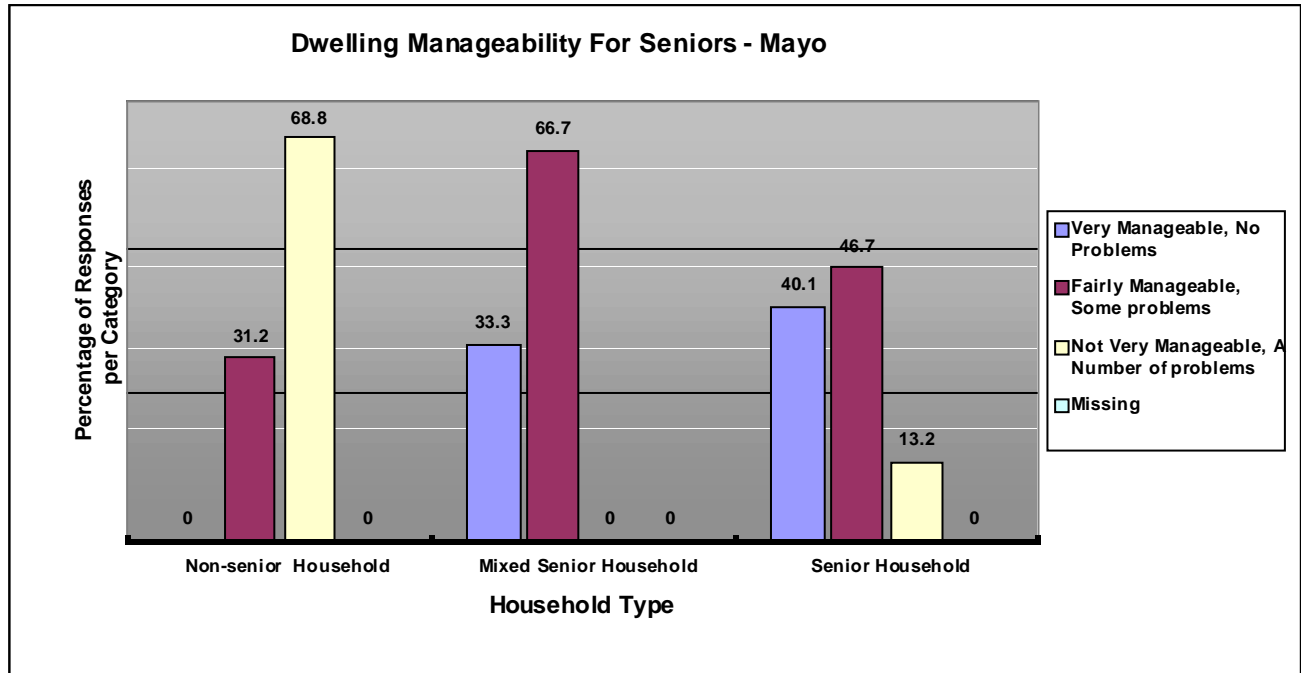


#### HIGHLIGHTS

- In Mayo, affordability problems are most prevalent in senior households at 6.6 percent.
- Affordability problems are less in Mayo than they are Yukon wide.

## 5.1.5 DWELLING MANAGEABILITY FOR A SENIOR

These bar charts show the responses from the three different types of households. The question asked is, “How manageable would this dwelling be for a senior?”



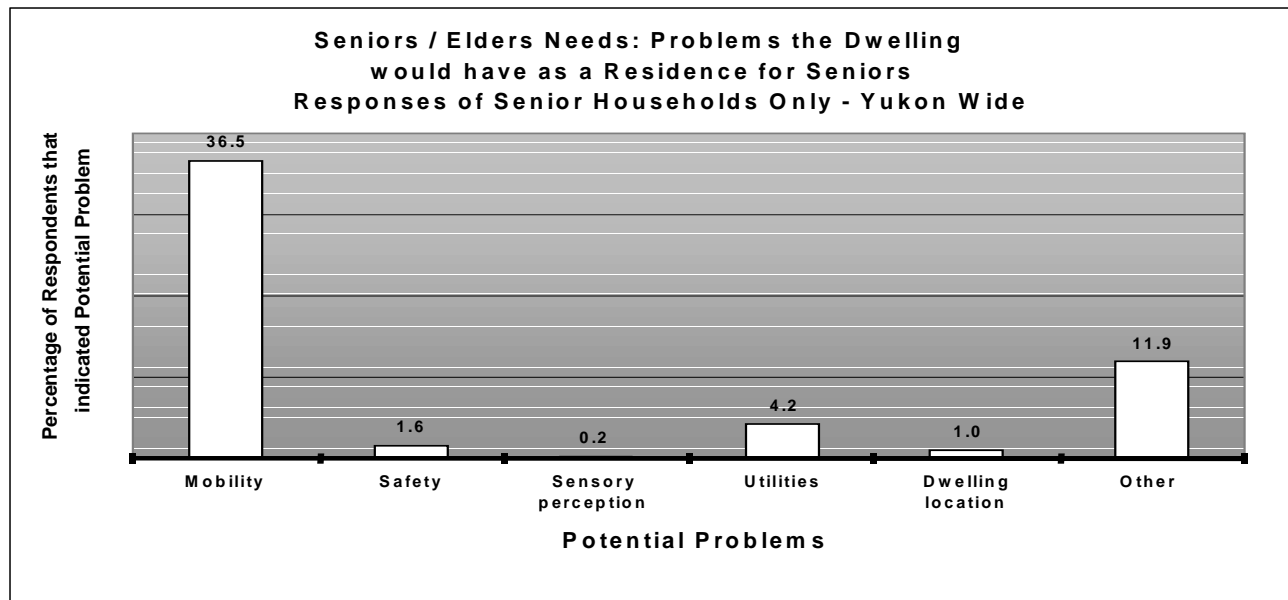
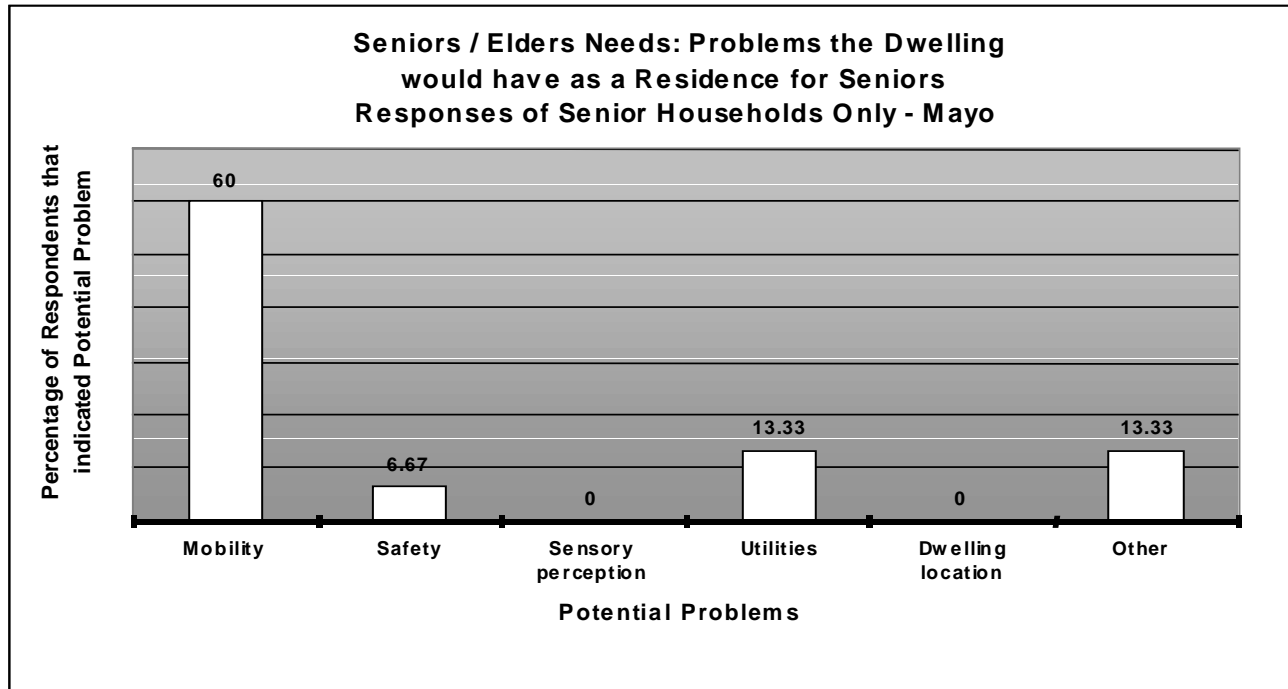
### HIGHLIGHTS

- Dwelling manageability problems are highest in the non-senior category at 31.2 percent have some problems while 68.8 percent have significant problems.
- 46.7 percent of senior households indicated some problems while only 13.2 percent of senior households indicated significant problems.



## 5.1.6 PROBLEMS THAT A SENIOR WOULD HAVE LIVING IN THIS DWELLING

These are the responses of senior households only.



### HIGHLIGHTS

- Mayo results indicate a higher level of potential problems for seniors than Yukon wide results.
- Mobility at 60 percent is the primary manageability problem for seniors in their homes.
- “Utilities” refers to potential problems resulting from using and maintaining such things as light, power or water.