

Understanding Community Investment in Recreation Spaces: City of Spruce Grove, Parkland County and Town of Stony Plain

Follow-up Survey Results (General)

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Introduction

Researchers from the School of Public Health at the University of Alberta worked with community partners from City of Spruce Grove, Parkland County, and Town of Stony Plain (herein referred to as Tri-Region) to explore resident participation in recreation activities at local recreation facilities and open spaces. As part of this project, a two-year telephone survey (one pre-test and one post-test survey) was conducted with community members in Strathcona County (case community, i.e., where the change has occurred, in this case the implementation of the OSRFS) and the results are being compared to community members in the Tri-Region (control communities, i.e., where no change has occurred). This comparison between communities allows us to determine if and what extent of change may be related to the OSRFS. Tri-Region area to better understand open space and recreation facility usage in the greater Edmonton area. The pre-/post-test surveys were conducted at two points in time to the same group of participants (when possible); when pre-test survey participants were unable to be located or to participate in the post-test, new participants were recruited. For this project the pre-test was conducted in the Fall of 2011 and the post-test was conducted in the Fall of 2013.

The results of the telephone survey will help researchers and community partners better understand the reasons why community members participate or do not participate in recreation activities in the community. The pre-test telephone survey was conducted from September 6, 2011, to October 17, 2011, and the post-test telephone survey was conducted from September 3, 2013 to October 23, 2013. Respondents took about 15 minutes to complete the survey each time. The telephone surveys were conducted by Prairie Research Associates (PRA) on behalf of the community partners and researchers at the University of Alberta. A report highlighting the results from the baseline pre-test survey has previously been released. The present report provides a general overview of the results from the Tri-Region follow-up post-test telephone survey.

Sampling

The study employed a stratified random sample. This means that the selection of households for participation in the survey was divided (or stratified) into geographic areas. For Strathcona County, the geographic areas included Sherwood Park and rural Strathcona County. For the Tri-Region area, the geographic areas included the City of Spruce Grove, Town of Stony Plain, and Parkland County. In all cases, the sampling process required a postal code as well as a verbal confirmation from the respondent that they lived in the selected region. In cases where the postal code differed from the respondent's verbal response, the verbal response was used to categorize the survey into a region.

Random Digit Dialing

PRA used Canada Survey Sampler to generate a random sample of telephone numbers for each of the five regions in the greater Edmonton area. Canada Survey Sampler, a standard computer program widely used in the research industry, created the sample for each region. First, PRA generated a sample for all residents in Strathcona County and the Tri-Region area. Then, using a postal code database, PRA assigned each record to its appropriate region.

The telephone sample was comprised of directory listed telephone numbers and a smaller number (approximately 15% for large urban areas) of unlisted telephone numbers. The latter was created by randomly changing the last two digits of the telephone number and checking the number against the

listed database to ensure it did not appear. The resulting sample list was randomized before calling began.

Methods

Of the 30,393 potential phone numbers (15,190 in Strathcona County and 15,203 in the Tri-Region), PRA called 20,582 (8,324 in Strathcona County and 12,258 in the Tri-Region) over the seven-week period. Overall, about 32% of people called refused to take part and 68% of households were willing to complete the survey. *Table 1* provides a detailed summary of the outcomes of the numbers dialled.

To ensure a representative sample of 13- to 17-year-olds, households were initially screened for children in that age group. As part of this effort, households where 13- to 17-year-old children lived but were not available at the time were called back. In all cases, parents had given permission for these children to complete the survey. This screening continued until we had completed surveys with approximately 50 youth in this age group. All tables are reporting valid percent. Table and graphs have been adjusted to not include missing data. Please see Table 8 and 9 in Appendix A for a complete listing of missing data.

Table 1. Summary of the Outcomes for Numbers Dialled for Strathcona County and Tri-Region

| | Outcome | Strathcona County | | Tri-Region | |
|----------|--|-------------------|------|------------|------|
| | | N | % | N | % |
| A | Total numbers attempted | 8,324 | 100% | 12,258 | 100% |
| 1. | Not in service | 339 | 4% | 1,732 | 14% |
| 2. | Fax | 279 | 3% | 495 | 4% |
| 3. | Business | 59 | <1% | 159 | 1% |
| | Remaining | 7,647 | 92% | 9,872 | 81% |
| B | Total eligible numbers | 7,647 | 100% | 9,872 | 100% |
| 4. | Busy | 45 | <1% | 7 | <1% |
| 5. | Answering machines | 2,748 | 36% | 3,042 | 31% |
| 6. | No answer | 1,360 | 18% | 1,779 | 18% |
| 7/8. | Language/illness/incapability | 113 | 1% | 129 | 1% |
| 9. | Selected/eligible respondent not available | 269 | 4% | 222 | 2% |
| | Remaining | 3,112 | 41% | 4,693 | 48% |
| C | Total asked | 3,112 | 100% | 4,693 | 100% |
| 10. | Household refusal | 170 | 5% | 201 | 4% |
| 11. | Respondent refusal | 892 | 29% | 1,179 | 25% |
| 12. | Qualified respondent break off | 8 | <1% | 20 | <1% |
| | Remaining | 2,042 | 59% | 3,293 | 70% |
| D | Co-operative contacts | 2,042 | 100% | 3,293 | 100% |
| 13. | Disqualified | 985 | 48% | 2,248 | 68% |
| 14. | Completed interviews | 1,057 | 52% | 1,045 | 32% |
| | <i>Refusal rate = (10+11+12)/C</i> | 1,070 | 42% | 1,400 | 30% |
| | <i>Response rate (D/B)</i> | 2,042 | 19% | 3,293 | 33% |

Overall Summary of Respondents

A total of 2,102 surveys were completed (1,057 in Strathcona County and 1,045 in Tri-Region). *Table 2* summarizes the population and sample for each of the geographic areas. *Table 3* provides a summary of the sex and age split of the population and sample in each of the areas.

Table 2. Population and Sample for Strathcona County and Tri-Region

| | Population | | Sample (completed surveys) | |
|--------------------------|----------------|-------------|-------------------------------|-------------|
| | N | % | n | % |
| Strathcona County | 92,403 | 56% | 1,057 | 50% |
| Sherwood Park | 65,465 | 40% | 738 | 35% |
| Rural Strathcona County | 26,938 | 16% | 319 | 15% |
| Tri-Region | 71,790 | 44% | 1,045 | 50% |
| Parkland County | 30,568 | 19% | 443 | 22% |
| Spruce Grove | 26,171 | 16% | 384 | 18% |
| Stony Plain | 15,051 | 9% | 218 | 10% |
| Total | 164,193 | 100% | 2,102 | 100% |

Source: Strathcona County data retrieved August 22, 2013 from http://www.strathcona.ca/files/Files/att-LLS-census-2012_Strathcona_County_Census_Report.pdf

Parkland County data retrieved August 22, 2013 from <http://www12.statcan.gc.ca/census-recensement/2011/dp-pd/prof/details/page.cfm?Lang=E&Geo1=CSD&Code1=4811034&Geo2=PR&Code2=48&Data=Count&SearchText=Parkland%20County&SearchType=Begins&SearchPR=01&B1=All&Custom=>

Spruce Grove data retrieved August 22, 2013 from <http://www12.statcan.gc.ca/census-recensement/2011/dp-pd/prof/details/page.cfm?Lang=E&Geo1=CSD&Code1=4811049&Geo2=PR&Code2=48&Data=Count&SearchText=Spruce%20Grove&SearchType=Begins&SearchPR=01&B1=All&Custom=>

Stony Plain data retrieved August 22, 2013 from <http://www12.statcan.gc.ca/census-recensement/2011/dp-pd/prof/details/page.cfm?Lang=E&Geo1=CSD&Code1=4811048&Geo2=PR&Code2=48&Data=Count&SearchText=Stony%20Plain&SearchType=Begins&SearchPR=01&B1=All&Custom=>

Table 3. Population and Sample Sex and Age Distributions for Strathcona County and Tri-Region

| | Population | | | | Sample (completed surveys) | | | |
|-------------|-------------------|-------|------------|-------|--------------------------------|-------|-------------------------|-------|
| | Strathcona County | | Tri-Region | | Strathcona County (n=1,057) | | Tri-Region (n=1,045) | |
| | N | % | N | % | n | % | n | % |
| Sex | | | | | | | | |
| Female | 38,985 | 50.6% | 29,560 | 49.7% | 604 | 57.1% | 602 | 57.6% |
| Male | 38,135 | 49.4% | 29,890 | 50.3% | 453 | 42.9% | 443 | 42.4% |
| Age | | | | | | | | |
| 13 to 17 | 6,700 | 8.7% | 5,075 | 8.5% | 53 | 5.0% | 54 | 5.2% |
| 18 to 29 | 13,460 | 17.4% | 10,860 | 18.3% | 107 | 10.1% | 113 | 10.8% |
| 30 to 44 | 18,975 | 24.6% | 14,775 | 24.9% | 253 | 24.0% | 253 | 24.2% |
| 45 to 64 | 27,830 | 36.1% | 20,890 | 35.2% | 436 | 41.3% | 423 | 40.5% |
| 65 or older | 10,170 | 13.2% | 7,790 | 13.1% | 207 | 19.6% | 201 | 19.9% |
| No response | N/A | N/A | N/A | N/A | 1 | <1% | 1 | <1% |

Source: Strathcona County data retrieved on October 20, 2011, from <http://www12.statcan.gc.ca/census-recensement/2006/dp-pd/prof/92-591/details/Page.cfm?Lang=E&Geo1=CSD&Code1=4811052&Geo2=PR&Code2=48&Data=Count&SearchText=strathcona-county&SearchType=Begins&SearchPR=01&B1=All&Custom=>

Tri-Region data retrieved on October 20, 2011, from <http://www12.statcan.gc.ca/census-recensement/2006/dp-pd/prof/92-591/details/Page.cfm?Lang=E&Geo1=CSD&Code1=4811049&Geo2=PR&Code2=48&Data=Count&SearchText=spruce>

grove&SearchType=Begins&SearchPR=01&B1=All&Custom=; <http://www12.statcan.gc.ca/census-recensement/2006/dp-pd/prof/92-591/details/page.cfm?Lang=E&Geo1=CSD&Code1=4811048&Geo2=PR&Code2=48&Data=Count&SearchText=stony>

plain&SearchType=Begins&SearchPR=01&B1=All&Custom=; and <http://www12.statcan.gc.ca/census-recensement/2006/dp-pd/prof/92-591/details/page.cfm?Lang=E&Geo1=CSD&Code1=4811034&Geo2=PR&Code2=48&Data=Count&SearchText=Parkland>

county&SearchType=Begins&SearchPR=01&B1=All&Custom=.

Tri-Region Area Summary of Results

The following sections summarize the results from the Tri-Region area post-test telephone survey.

Respondent Demographics

Figures 1, 2, and 3 provide the respondents' gender, location, and age profiles, respectively. Profiles of respondent education, employment, minority status and household income information is provided in Figures 4, 5, 6, 7, and 8.

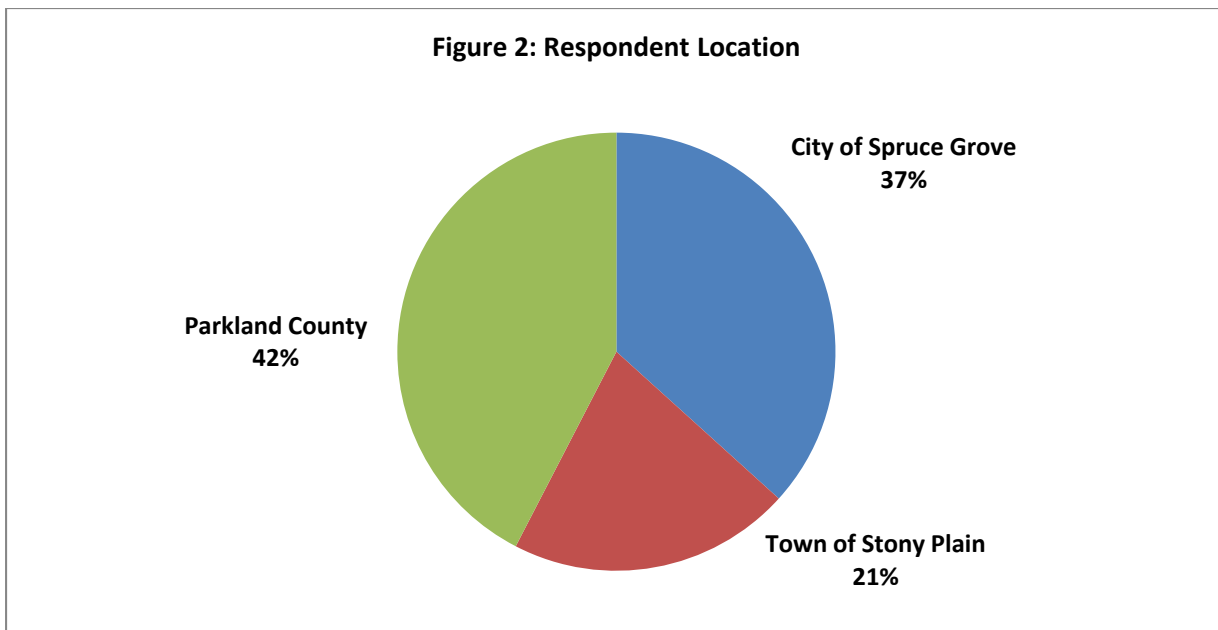
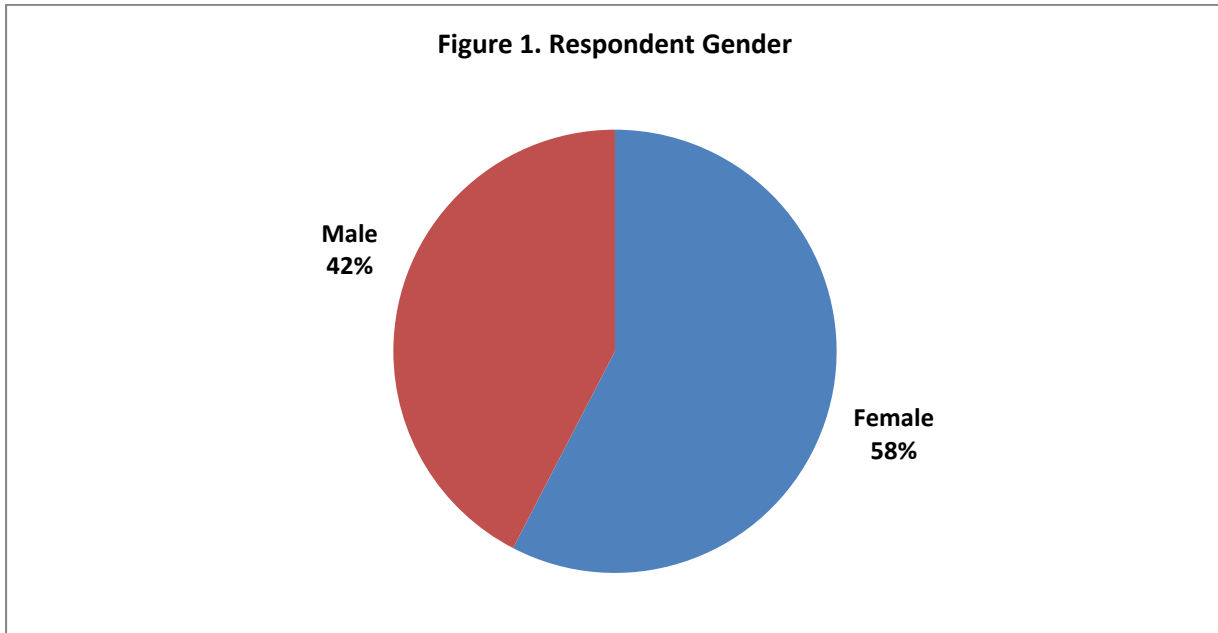


Figure 3: Respondent Age

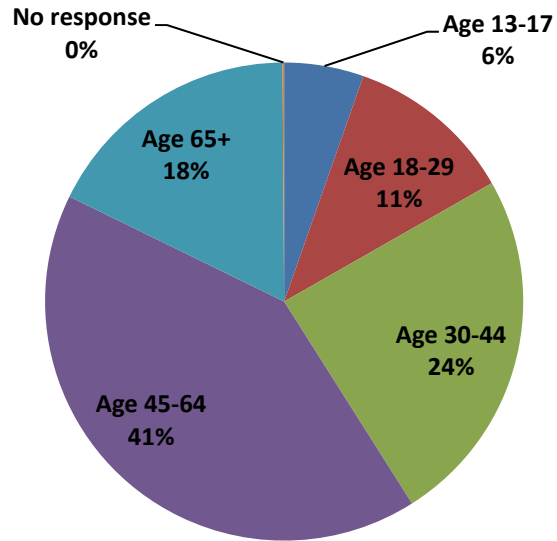


Figure 4. Respondent Education (Adult)

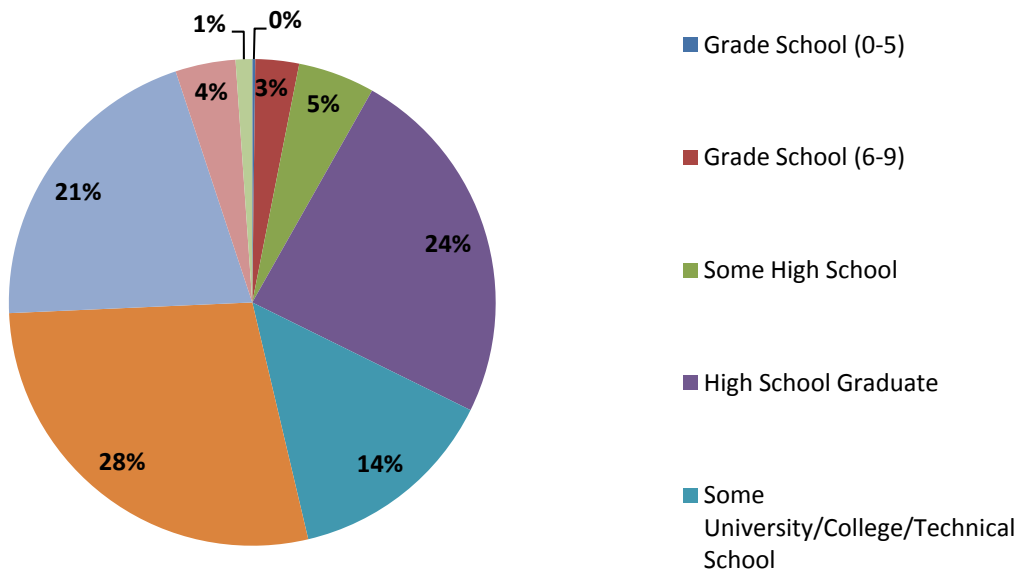


Figure 5. Respondent Education (Youth)

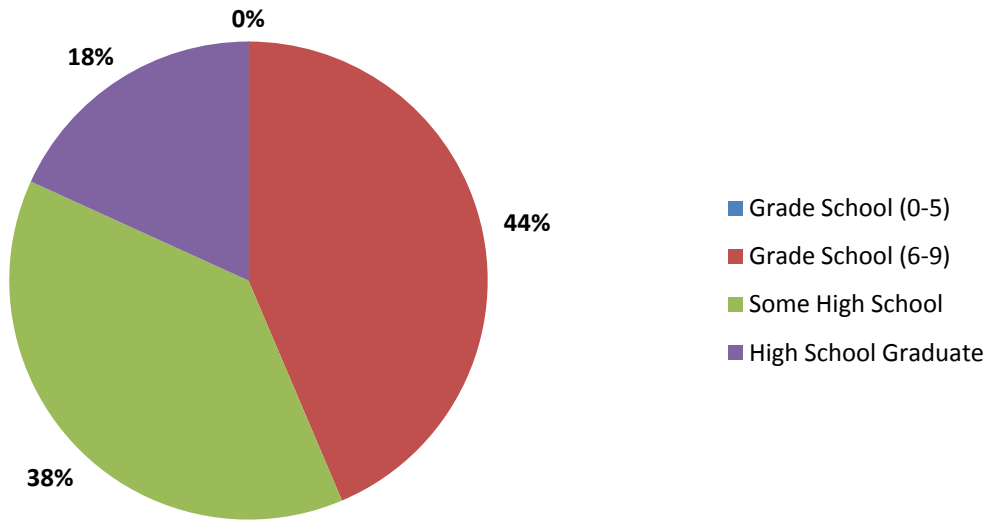
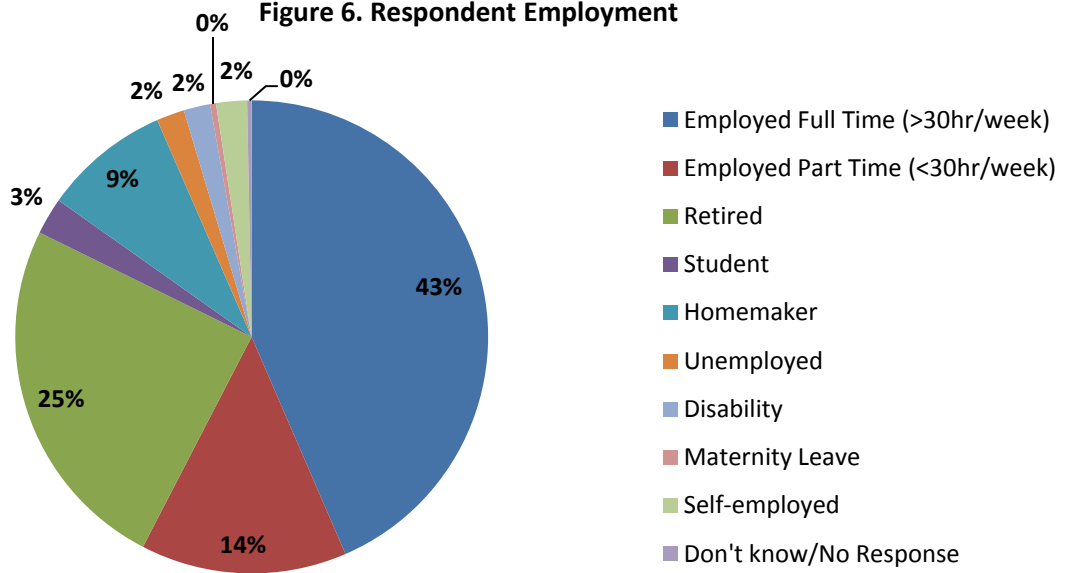


Figure 6. Respondent Employment



*Note: Youth respondents were not asked their employment status

Figure 7. Self-Described Minority Status

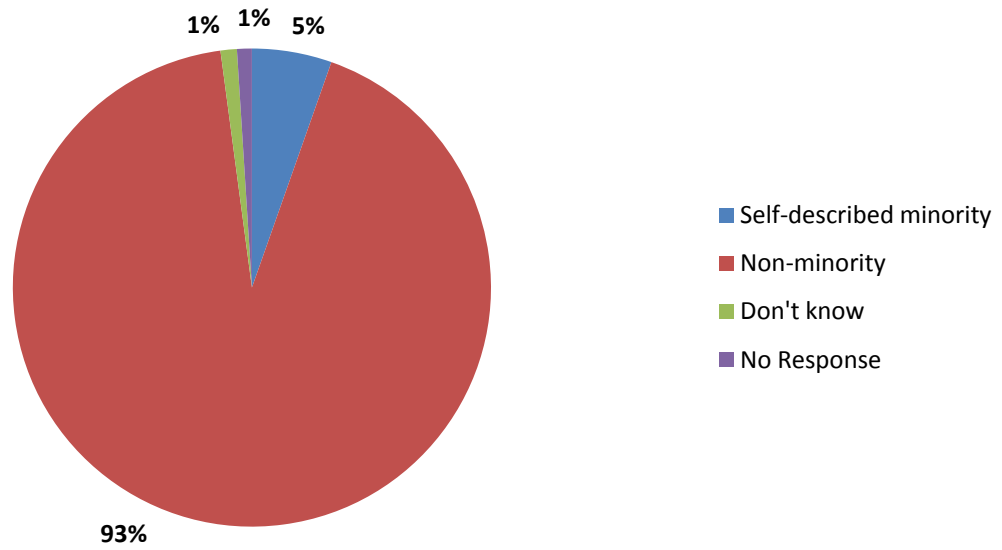
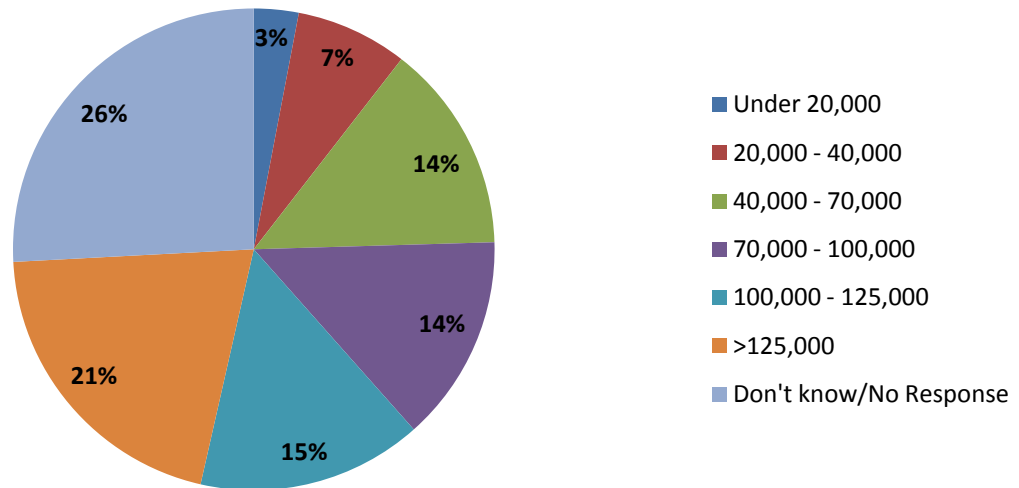


Figure 8. Household Income

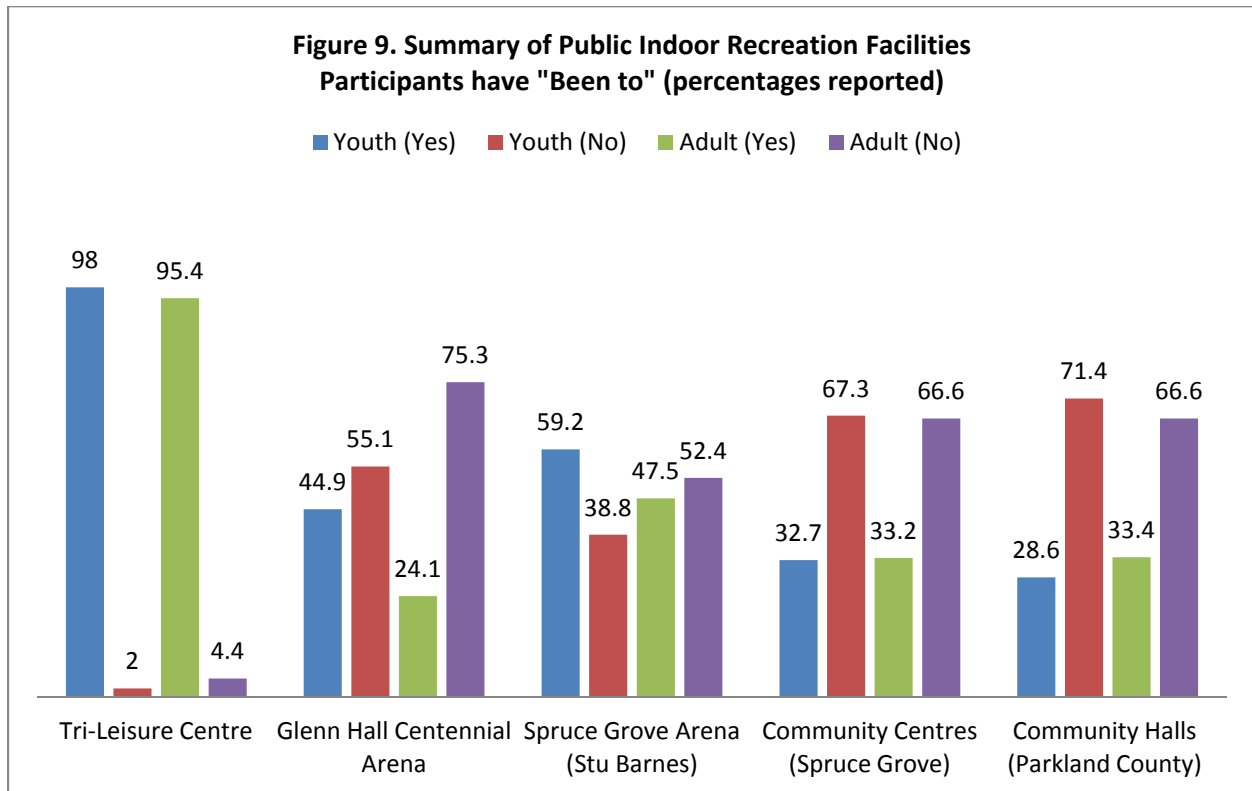


*Note: Youth respondents were not asked about their income

Use of Public Indoor Recreation Facilities in the Tri-Region Area

Respondents were asked questions about their use of Tri-Region public indoor recreation facilities and spaces (e.g., community halls, Spruce Grove Arena, Tri-Leisure Centre etc.). Overall, 76.1% of respondents indicated that they had “been to” at least one of the public indoor recreation facilities in Tri-Region in the last 12 months; 23.9% indicated that they had not.

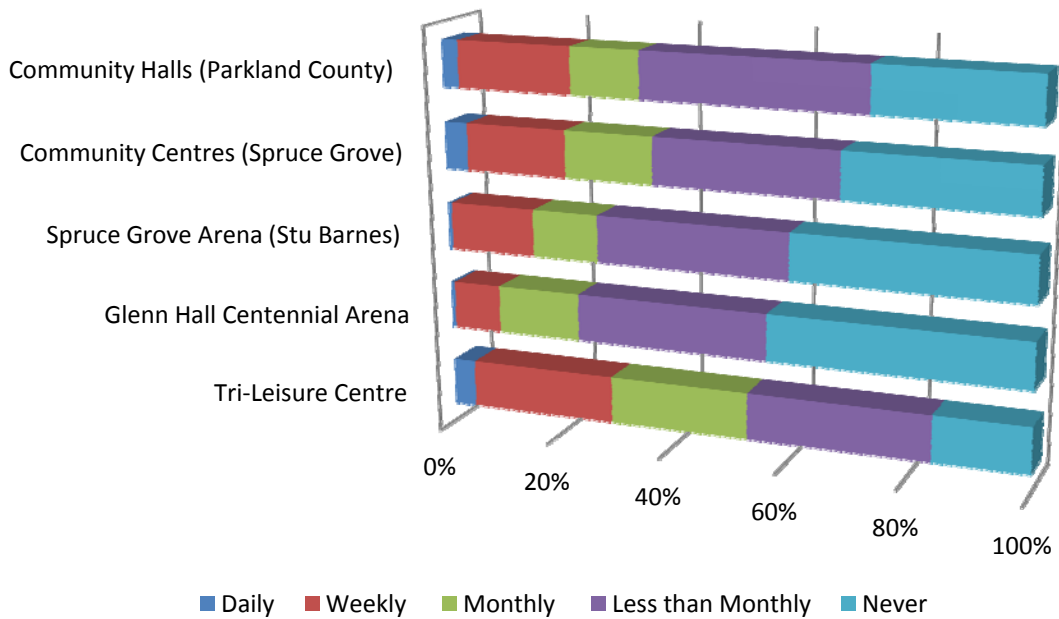
The 76.1% of participants who had indicated that they had “been to” at least one of the public indoor recreation facilities were subsequently asked which specific facilities they had “been to” (see *Figure 9*).



*Missing/No response/Don't know: GFA – 243(A), 6(Y). TLC – 243(A), 6(Y). GHCA- 243(A), 6(Y). CHPARK – 243(A), 6(Y). CHSG – 243(A), 6(Y).

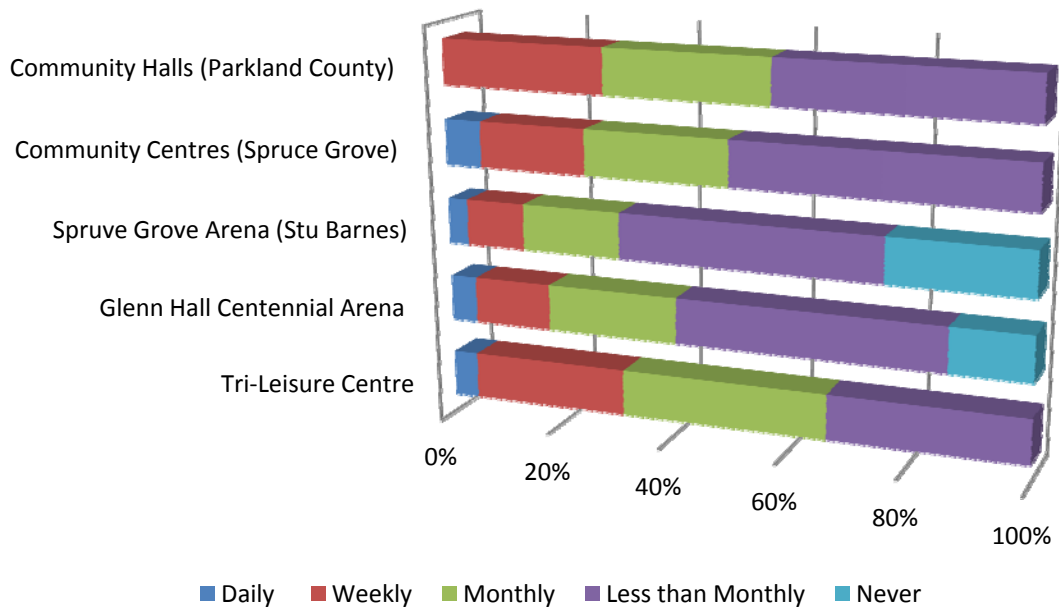
If participants indicated that they had “been to” a specific public indoor recreation facility, they were subsequently asked “how frequently they personally engage in physical activities at these spaces” (see *Figures 10 & 11*). Participants were then asked about their commuting behaviours to get to the public indoor recreation facilities. *Figures 12 and 13* provide a summary about active commuting behaviours (e.g., walking, biking, running, etc.).

Figure 10. Summary of the Frequency that Participants Personally Engage in Physical Activity at Public Indoor Recreation Facilities (Adults)



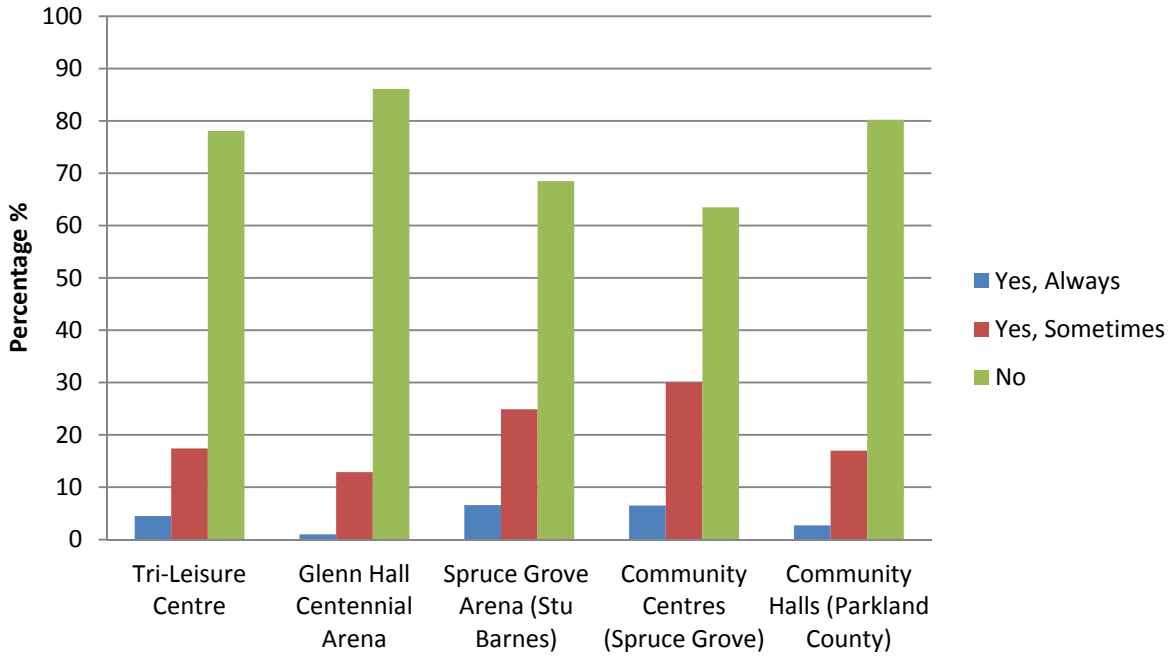
*Missing/No response/Don't know: GFA – 635(A). TLC – 741(A). GHCA – 809(A). CHPARK – 740(A). CHSG – 741(A)

Figure 11. Summary of the Frequency that Participants Personally Engage in Physical Activity at Public Indoor Recreation Facilities (Youth)



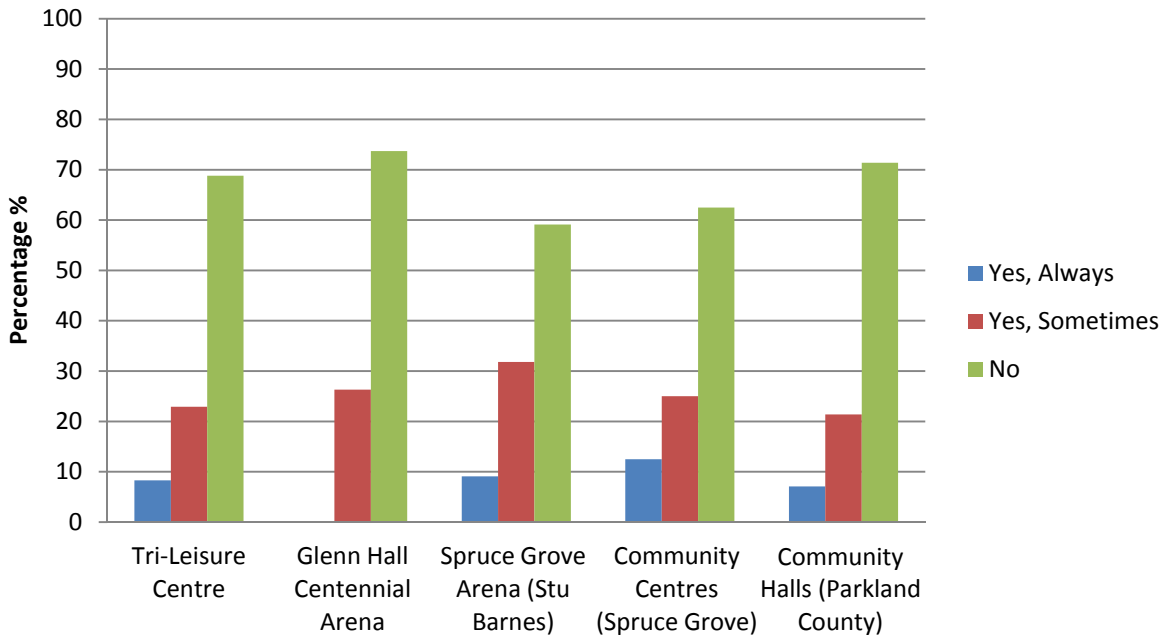
*Missing/No response/Don't know: GFA – 26(Y). TLC – 7(Y). GHCA – 33 (Y). CHPARK – 41(Y). CHSG – 39(Y).

Figure 12. Frequency of Active Commute Among Respondents Who Have Used Each Facility (Adult)



*Missing/No response/Don't know: GFA – 635(A). TLC – 391(A). GHCA – 888(A). CHPARK – 807(A). CHSG – 819(A)

Figure 13. Frequency of Active Commute Among Respondents Who Have Used Each Facility (Youth)



*Missing/No response/Don't know: GFA – 33(Y). TLC – 7(Y). GHCA – 36(Y). CHPARK – 41(Y). CHSG – 39(Y).

Use of Other Indoor Recreation Facilities

Participants were also asked to indicate if they regularly use any private indoor recreation facilities in the Tri-Region area (e.g., Curves), or any other public indoor recreation facilities in surrounding communities (e.g., City of Edmonton); results are presented in *Figures 14, 15, 16 and 17* respectively.

Figure 14. Percentage of Respondents who have used Private Indoor Recreation Facilities in Tri-Region (Adult)

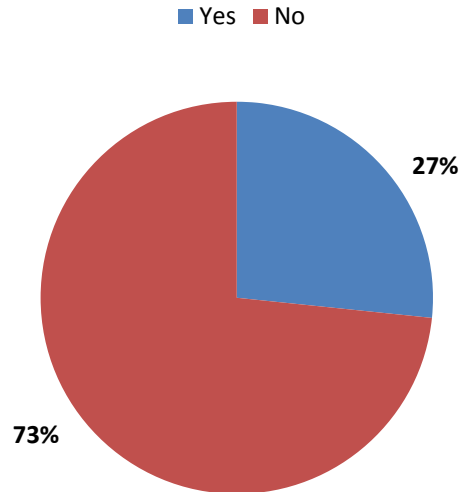


Figure 15. Percentage of Respondents who have used Private Indoor Recreation Facilities in Tri-Region (Youth)

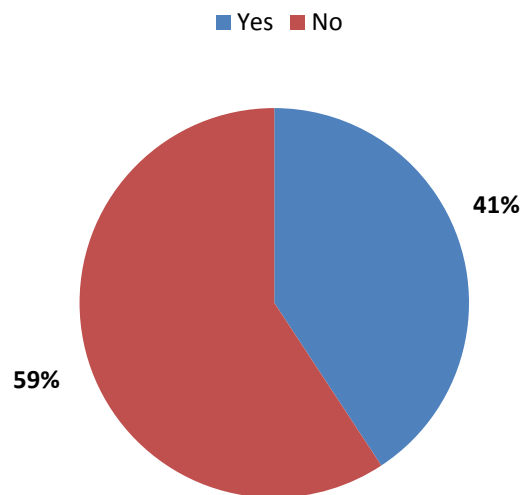


Figure 16. Percentage of Respondents who have Used Public Indoor Recreation Facilities in Surrounding Communities (Adult)

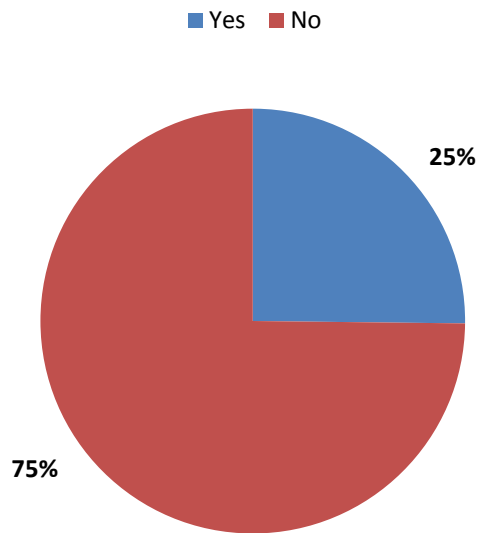
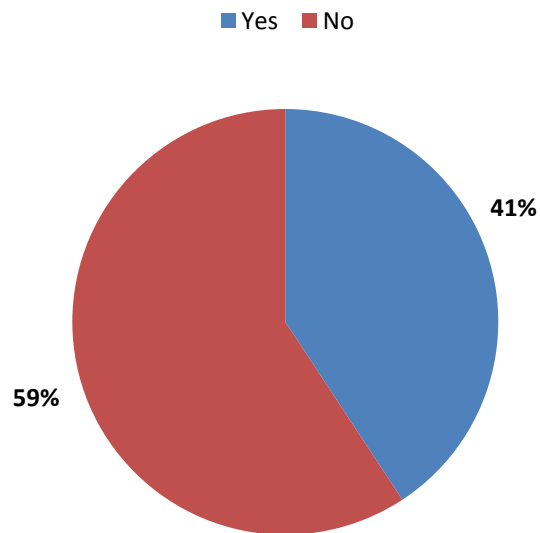


Figure 17. Percentage of Respondents who have Used Public Indoor Recreation Facilities in Surrounding Communities (Youth)



Comparison of Respondents Who Use and Do Not Use Public Indoor Recreation Facilities by Demographic Factors

Table 4 compares those who use public indoor recreation facilities in the Tri-Region area to those who do not use the indoor facilities, with regards to several demographic variables. The number of users (indicated by a 'yes' response) out of the total respondents was significantly different by location, age, education, employment, and income (Chi-squared test, p-value <0.05). In the post-test telephone sample, more Spruce Grove than Stony Plain or Parkland County residents used public indoor recreation facilities, as did a higher percentage of people who were in the 30-44 years old age bracket, college or university graduates, people who were employed part time, and people with \$100,000 to \$125,000 of household income.

Table 4. Comparison of Respondents who use Public Indoor Recreation Facilities by Demographic Factors

| Variable | | Yes | No | Total | % Yes of Total | p-value |
|------------------------------|---|-----|-----|-------|----------------|---------|
| Location | Spruce Grove | 321 | 63 | 384 | 83.6 | 0.000* |
| | Stony Plain | 165 | 52 | 218 | 76.1 | |
| | Parkland County | 308 | 135 | 443 | 69.5 | |
| Gender | Female | 458 | 144 | 602 | 76.1 | 0.527 |
| | Male | 337 | 106 | 443 | 76.1 | |
| Age [^] | Age 13-17 | 49 | 6 | 55 | 89.1 | 0.000* |
| | Age 18-29 | 91 | 26 | 117 | 77.8 | |
| | Age 30-44 | 227 | 23 | 250 | 90.8 | |
| | Age 45-64 | 300 | 124 | 424 | 70.8 | |
| | Age 65+ | 128 | 70 | 198 | 64.6 | |
| Education ^{#^} | Less than High School | 39 | 42 | 81 | 48.1 | 0.000* |
| | High School or some College | 281 | 95 | 376 | 74.7 | |
| | College/University Graduate | 422 | 99 | 521 | 81.0 | |
| Employment ^{#^} | Employed Full Time (>30hr/week) | 331 | 997 | 428 | 77.3 | 0.008* |
| | Employed Part Time (<30hr/week) | 115 | 24 | 139 | 82.7 | |
| | Other (e.g., retired, student, homemaker, disability, maternity leave, unemployed, self-employed) | 282 | 117 | 399 | 70.7 | |
| Minority Status [^] | Self-report Minority | 43 | 13 | 56 | 76.8 | 0.950 |
| | Non-Minority | 739 | 228 | 967 | 76.4 | |
| Income ^{#^} | Under \$40,000 | 64 | 40 | 104 | 61.5 | 0.000* |
| | 40,000 to 70,000 | 95 | 44 | 139 | 68.3 | |
| | 70,000 to 100,000 | 111 | 27 | 183 | 80.4 | |
| | 100,000 to 125,000 | 128 | 21 | 149 | 85.9 | |
| | >125,000 | 168 | 36 | 204 | 77.1 | |

*Significant difference (p-value <0.05)

Only adult participants included in analysis

^Participants who did not answer these questions were excluded from analysis

Comparison of Respondents Who Use and Do Not Use Public Indoor Recreation Facilities by Other Variables

Table 5 describes a comparison between those who indicated they use public indoor recreation facilities to those who did not, based on a few other variables of interest. The variables for which there was a significant difference between users and non-users of the indoor facilities were: self-rated health (i.e., from 1 [poor] to 5 [excellent]), outcome expectancy for health, and levels of agreement with the statement 'I would use public indoor recreation facilities ... more often if it weren't for personal reasons' (Chi-squared, $p < 0.05$).

Table 5. Comparison of Respondents who Use Public Indoor Recreation Facilities by Other Variables

| Variable | p-value |
|--|---------|
| Self-rated health | 0.000* |
| Outcome expectancy for health [#] | 0.024* |
| Metabolic Equivalent of Tasks (METs) in physical activity weekly [^] | 0.654 |
| Would use more often if it weren't for personal reasons (e.g., lack of time, work or family commitments, poor health etc.) | 0.000* |
| Would use more often if spaces better met my needs (e.g., more convenient, less expensive etc.) | 0.084 |

*Significant difference (p -value < 0.05)

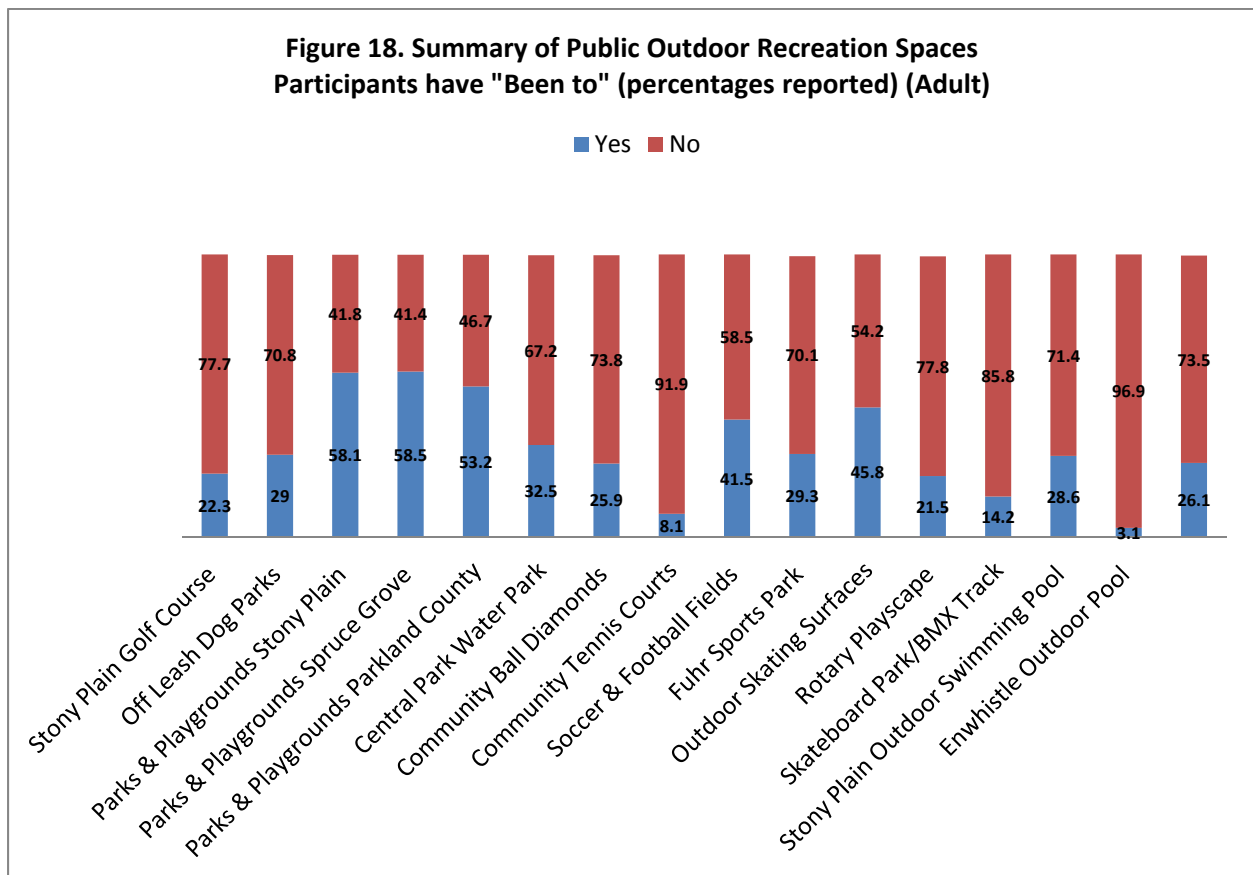
[#]Outcome expectancy for health measured respondents' agreement with the statement 'If I am active, it will help me stay healthy'

[^]Metabolic Equivalent of Tasks (METs) index physical activities above resting metabolism (i.e. resting metabolism is MET = 1, jumping rope is approximately MET = 10)

Use of Public Outdoor Recreation Spaces in Tri-Region Area

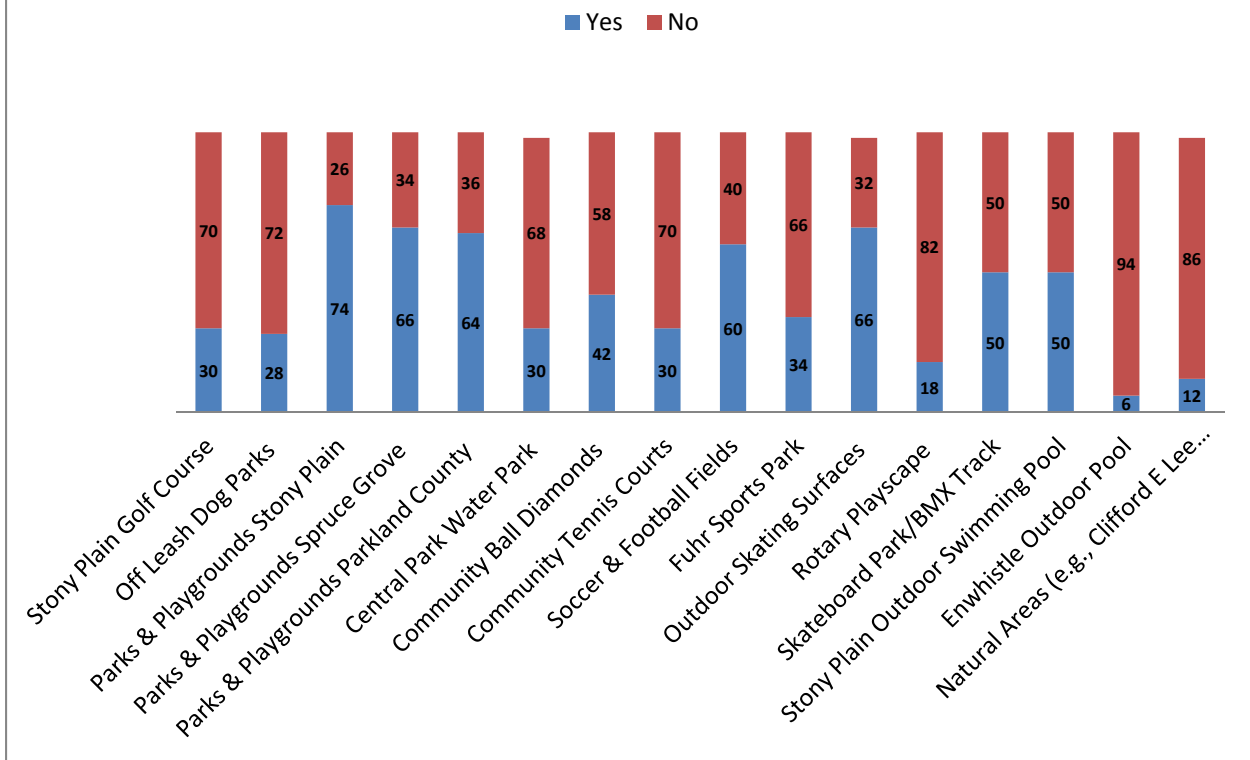
Respondents were also asked questions about their use of Tri-Region area public outdoor recreation spaces (e.g., parks, playgrounds, ball diamonds, soccer fields, etc.). Overall, 78.9% of respondents indicated that they had “been to” at least one public outdoor recreation space in the last 12 months; 21.1% indicated that they had not.

The 78.9% of participants who had indicated that they had “been to” at least one of the public outdoor recreation spaces were subsequently asked which specific spaces they had “been to” (see *Figures 18 and 19*).



*Missing/No response/Don't know: SPGC -214(A). OLDP-214(A). P&PSP-214(A). P&PSG-214(A). P&PPARK-214(A). CPWP-214(A). CBD-214(A). CTC-214(A). SFF- 214(A). FSP-214(A). OSS-214(A). RP-214(A). SP-214(A). SPOSP- 214(A). EOP-214(A). NA-214(A).

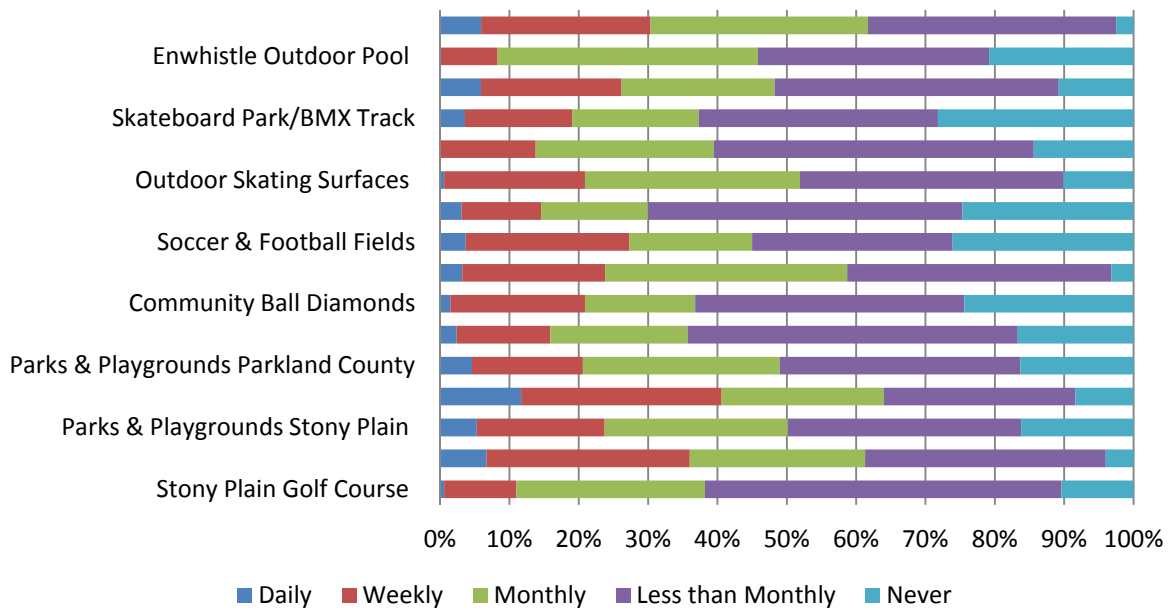
Figure 19. Summary of Public Outdoor Recreation Spaces Participants have "Been to" (percentages reported) (Youth)



*Missing/No response/Don't know: SPGC – 5(Y). OLDP-5(Y). P&PSP- 5(Y). P&PSG- 5(Y). P&PPark –5(Y). CPWP – 5(Y). CBD- 5(Y). CTC – 5(Y). SFF – 5(Y). FSP- 5(Y). OSS - 5(Y). RP- 5(Y). SP-5(Y). SPOSP-5(Y). EOP-5(Y). NA-5(Y).

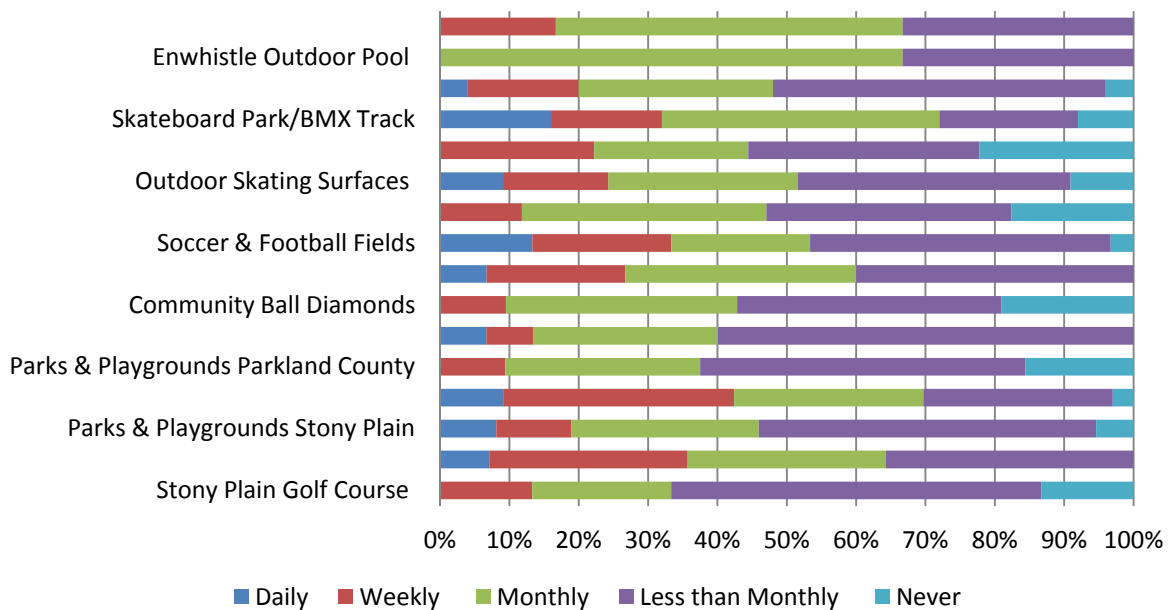
If participants indicated that they had “been to” a specific public outdoor recreation space they were subsequently asked i) how frequently they personally engage in physical activities at that space (see *Figures 20 & 21*) and ii) when appropriate, what types of activities they use that space for (e.g., league play, leisure, both) (see *Figures 22 & 23*). *Figures 24 and 25* provide a summary about how often participants indicated that they had used the Multi-Use Trail System. *Figures 26 and 27* indicate where in the community participants are using public outdoor recreation spaces (e.g., Town of Stony Plain, City of Spruce Grove, Parkland County).

Figure 20. Summary of the Frequency that Participants Personally Engage in Physical Activity at Outdoor Public Recreation Spaces (Adult)

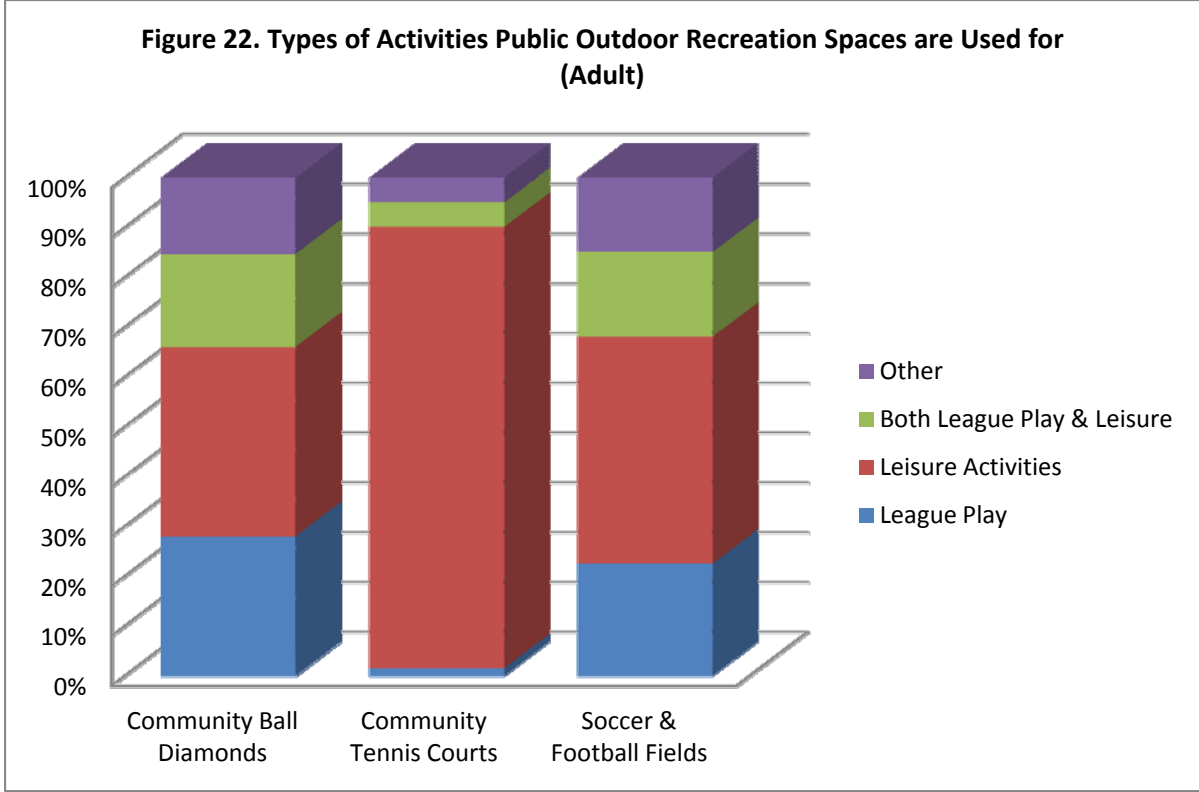


*Missing/No response/Don't know: SPGC -816(A). OLDP-764(A). P&PSP-539(A). P&PSG-536(A). P&PPARK-577 (A). CPWP-737(A). CBD-788(A). CTC-926(A). SFF- 667(A). FSP-762(A). OSS-634(A). RP-822(A). SP-879(A). SPOSP- 767(A). EOP-965(A). NA-787(Y).

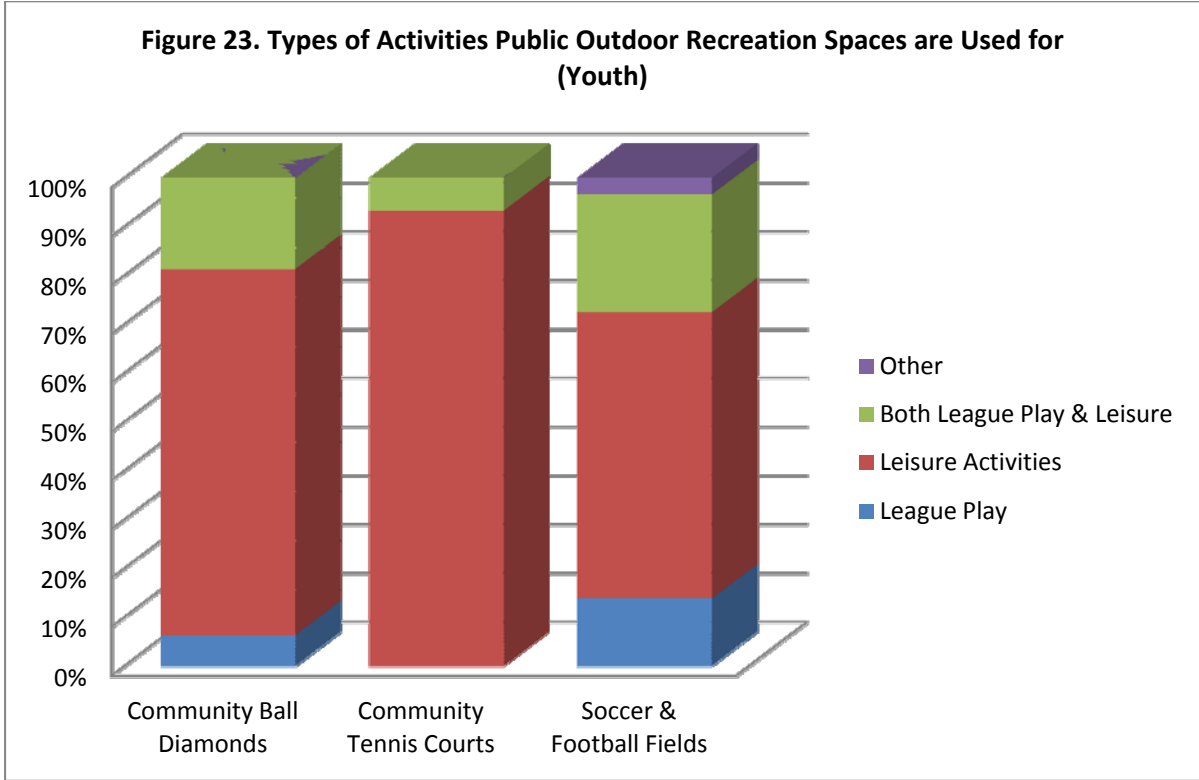
Figure 21. Summary of the Frequency that Participants Personally Engage in Physical Activity at Outdoor Public Recreation Spaces (Youth)



*Missing/No response/Don't know: SPGC – 40(Y). OLDP-44(Y). P&PSP- 18(Y). P&PSG- 22(Y). P&PPark –23(Y). CPWP-40(Y). CBD- 34(Y). CTC – 40(Y). SFF – 25(Y). FSP- 38(Y). OSS- 22(Y). RP- 46(Y). SP-30(Y). SPOSP-30(Y). EOP-52(Y). NA-49(Y).



*Missing/No response/Don't know: CBD-837(A). CTC-928(A). SFF- 751(A).



*Missing/No response/Don't know: CBD- 38(Y). CTC – 40(Y). SFF – 26(Y).

Figure 24. Frequency of Multi-Use Trail System Use For Physical Activity (Adult)

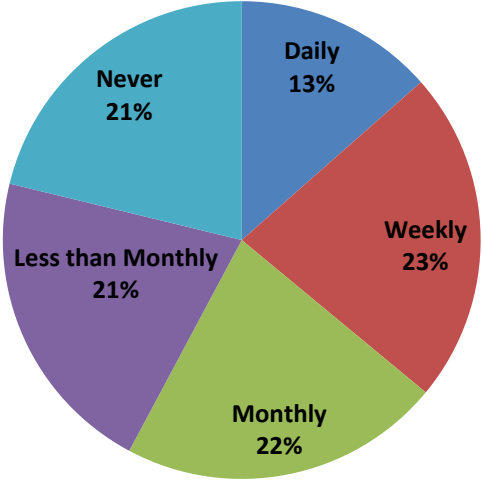


Figure 25. Frequency of Multi-Use Trail System Use For Physical Activity (Youth)

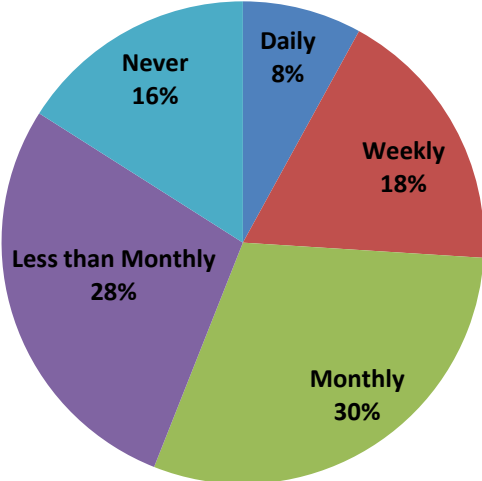
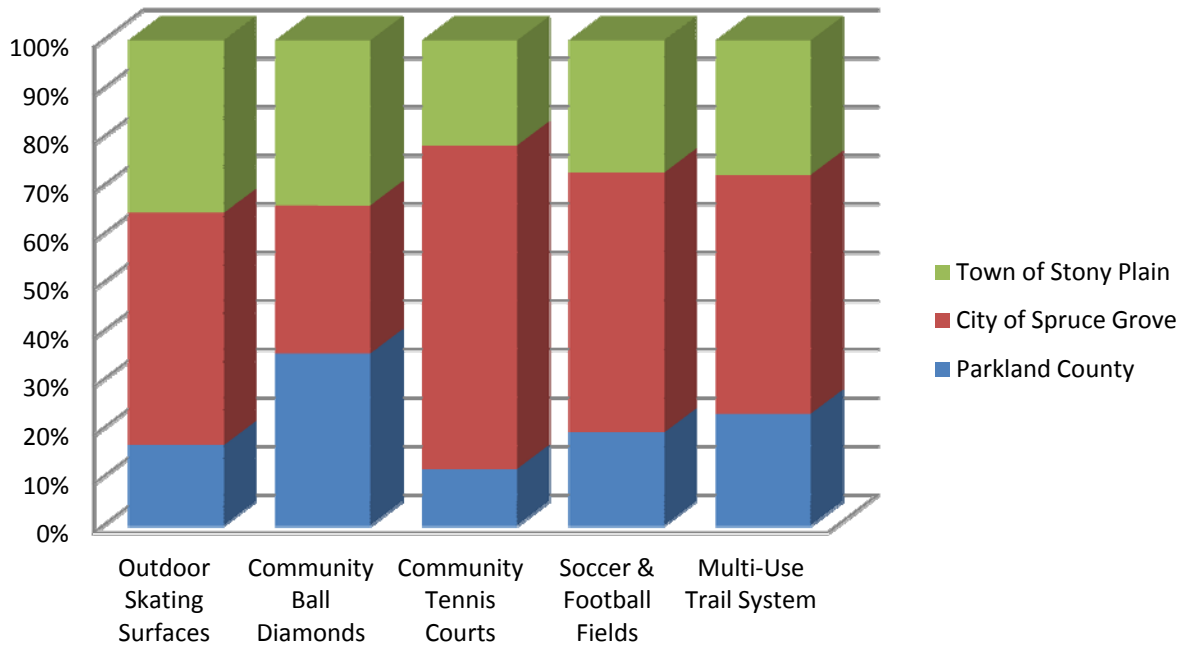
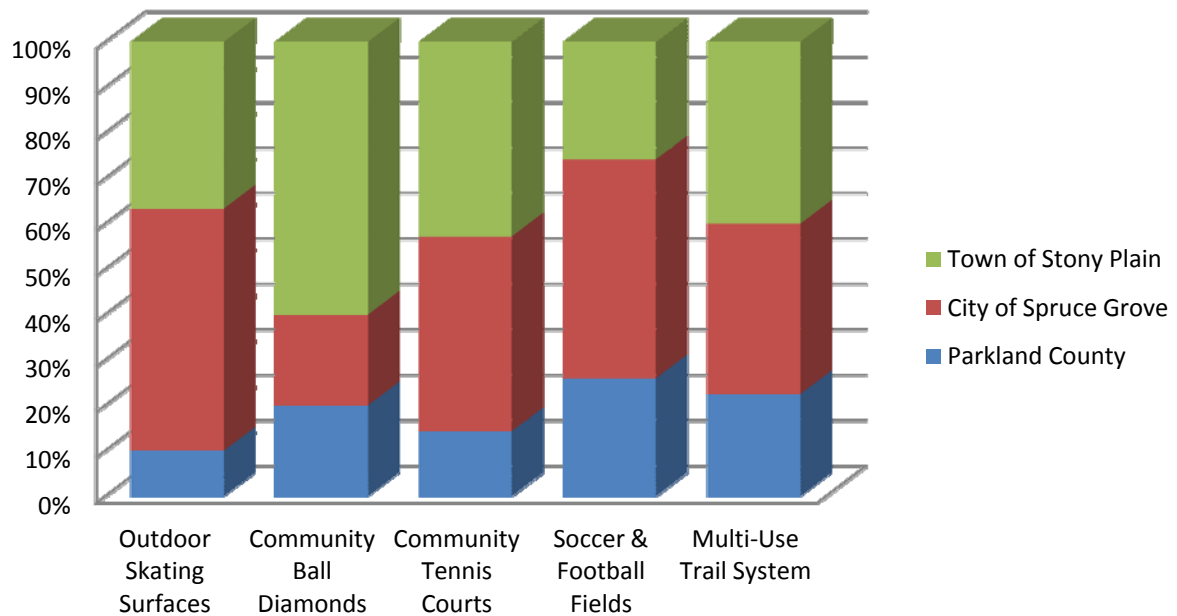


Figure 26. Locations Where Respondents have Used Public Outdoor Recreation Spaces (Adult)



*Missing/No Response/Don't know: OSS-670(A). CBD-837(A). CTC-928(A). SFF-751(A). MUTS-378(A).

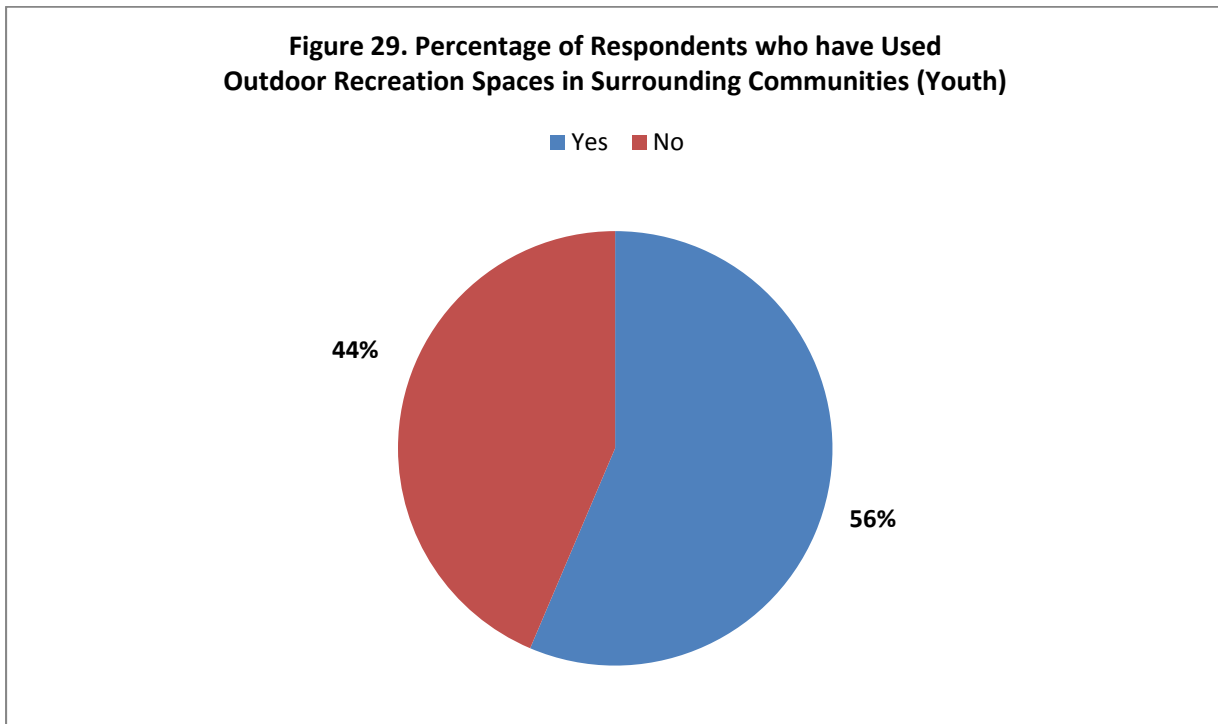
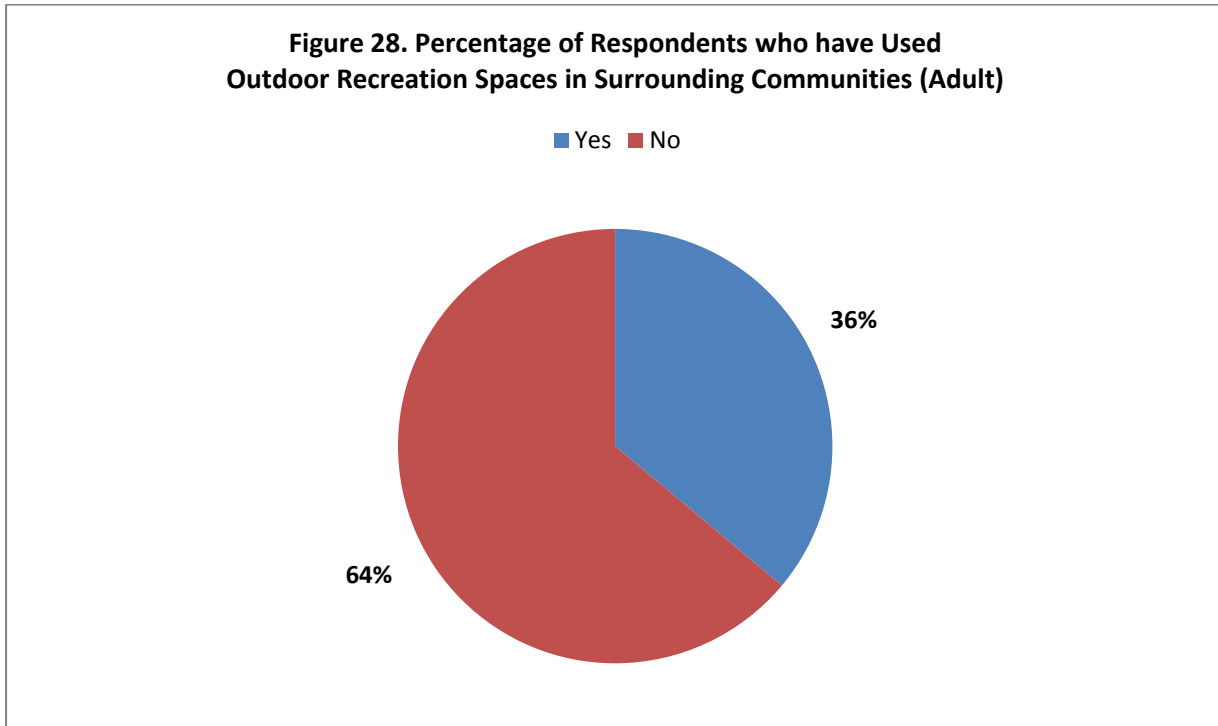
Figure 27. Locations Where Respondents have Used Public Outdoor Recreation Spaces (Youth)



*Missing/No Response/Don't know: OSS-25(Y). CBD-38(Y). CTC-40(Y). SFF-26(Y). MUTS-13(Y).

Use of Other Outdoor Recreation Spaces

Participants were asked to indicate if they regularly use any outdoor recreation spaces in surrounding communities (e.g., City of Edmonton); results are presented in *Figure 28* and *Figure 29*.



Comparison of Respondents Who Use and Do Not Use Public Outdoor Recreation Spaces by Demographic Factors

Table 6 compares respondents who indicated use of public outdoor recreation spaces with those who did not, with regards to several demographic variables. The number of users (indicated by a 'yes' response) out of the total respondents was significantly different by location, age, education, employment, and income level (Chi-squared, p-value <0.05). In the post-test telephone sample, more Spruce Grove than Stony Plain or Parkland County residents used public outdoor recreation facilities, as did a higher percentage of people who were in the 30-44 years old age bracket, college or university graduates, people who were employed part time, and people with \$100,000 to \$125,000 of household income.

Table 6. Comparison of Respondents who Use Public Outdoor Recreation Spaces by Demographic Factors

| Variable | | Yes | No | Total | % Yes of Total | p-value |
|-------------------------------|---|-----|-----|-------|----------------|---------|
| Location | Spruce Grove | 342 | 42 | 384 | 89.1 | 0.000* |
| | Stony Plain | 185 | 33 | 218 | 84.9 | |
| | Parkland County | 298 | 145 | 443 | 67.3 | |
| Gender | Female | 472 | 130 | 602 | 78.4 | 0.616 |
| | Male | 353 | 90 | 443 | 79.7 | |
| Age [^] | Age 13-17 | 50 | 5 | 55 | 90.9 | 0.000* |
| | Age 18-29 | 95 | 22 | 117 | 81.2 | |
| | Age 30-44 | 228 | 22 | 250 | 91.2 | |
| | Age 45-64 | 327 | 97 | 424 | 77.1 | |
| | Age 65+ | 125 | 73 | 198 | 63.1 | |
| Education ^{#^} | Less than High School | 47 | 34 | 81 | 58 | 0.000* |
| | High School or some College | 289 | 87 | 376 | 76.9 | |
| | College/University Graduate | 431 | 90 | 521 | 82.7 | |
| Employment ^{#^} | Employed Full Time (>30hr/week) | 347 | 81 | 428 | 81.1 | 0.000* |
| | Employed Part Time (<30hr/week) | 122 | 17 | 139 | 87.8 | |
| | Other (e.g., retired, student, homemaker, disability, maternity leave, unemployed, self-employed) | 291 | 108 | 399 | 72.9 | |
| | | | | | | |
| Minority Status ^{#^} | Self-report Minority | 45 | 11 | 56 | 80.4 | 0.823 |
| | Non-Minority | 765 | 202 | 967 | 79.1 | |
| Income ^{#^} | Under \$40,000 | 65 | 39 | 104 | 62.5 | 0.000* |
| | \$40,000 to \$70,000 | 111 | 28 | 139 | 79.9 | |
| | \$70,000 to \$100,000 | 112 | 26 | 138 | 81.2 | |
| | \$100,000 to \$125,000 | 129 | 20 | 149 | 86.6 | |
| | Greater than \$125,000 | 172 | 32 | 204 | 84.3 | |

*Significant difference (p-value <0.05)

Only adult participants included in analysis

[^]Participants who did not answer these questions were excluded from analysis

Comparison of Respondents Who Use Public Outdoor Recreation Spaces by Other Variables

Table 7 provides a comparison between those who indicated they use public outdoor recreation facilities to those who did not, based on a few other variables of interest. Significant differences exist between the different levels of self-rated health (i.e., from 1 [poor] to 5 [excellent]), outcome expectancy for health, Metabolic Equivalent of Tasks (METs) in physical activity weekly (an index of how much more energy is used for physical activities than resting metabolism), and levels of agreement with either of the two statements ‘I would use public outdoor recreation facilities ... more often if it weren’t for personal reasons’, and ‘I would use public outdoor recreation facilities... more often if the facilities better met my needs’ (Chi-squared, $p < 0.05$).

Table 7. Comparison of Respondents who Use Public Outdoor Recreation Spaces by Other Variables

| Variable | p-value |
|--|---------|
| Self-rated health | 0.000* |
| Outcome expectancy for health [#] | 0.002* |
| Metabolic Equivalent of Tasks (METs) in physical activity weekly [^] | 0.043* |
| Would use more often if it weren’t for personal reasons (e.g., lack of time, work or family commitments, poor health etc.) | 0.000* |
| Would use more often if spaces better met my needs (e.g., more convenient, less expensive etc.) | 0.005* |

*Significant difference (p-value < 0.05)

[#]Outcome expectancy for health measured respondents’ agreement with the statement ‘If I am active, it will help me stay healthy’

[^]Metabolic Equivalent of Tasks (METs) index physical activities above resting metabolism (i.e. resting metabolism is MET = 1, jumping rope is approximately MET = 10)

Conclusions

This report presented an overview of the general findings from the follow-up telephone survey of ‘Understanding Community Investment in Recreation Spaces’ in the Tri-Region area. Findings compared results between self-described users and non-users of recreation facilities; supplemental findings comparing the baseline survey to the follow-up survey results are forthcoming.

Appendix A

Table 8. Missing/No Response/Didn't Know Data for Adults in Spruce Grove, Parkland County, and Town of Stony Plain

| Variable | Sub Variable | Missing | Answered | Total |
|---|---|---------|----------|-------|
| Been to (Indoor) | Grant Fuhr Arena | 243 | 746 | 989 |
| | Tri-Leisure | 243 | 746 | 989 |
| | Glenn Hall | 243 | 746 | 989 |
| | Community Halls Parkland County | 243 | 746 | 989 |
| | Community Halls Spruce Grove | 243 | 746 | 989 |
| Personally Engage in Physical Activity | Grant Fuhr Arena | 635 | 354 | 989 |
| | Tri-Leisure | 741 | 248 | 989 |
| | Glenn Hall | 809 | 180 | 989 |
| | Community Halls Parkland County | 740 | 249 | 989 |
| | Community Halls Spruce Grove | 741 | 248 | 989 |
| Active Commute | Grant Fuhr Arena | 635 | 354 | 989 |
| | Tri-Leisure | 391 | 598 | 989 |
| | Glenn Hall | 888 | 101 | 989 |
| | Community Halls Parkland County | 807 | 182 | 989 |
| | Community Halls Spruce Grove | 819 | 170 | 989 |
| Been to (Outdoor) | Stony Plain Golf Course | 214 | 775 | 989 |
| | Off Leash Dog Parks | 214 | 775 | 989 |
| | Playgrounds and Parks (Stony Plain) | 214 | 775 | 989 |
| | Playgrounds and Parks (Spruce Grove) | 214 | 775 | 989 |
| | Playgrounds and Parks (Parkland County) | 214 | 775 | 989 |
| | Central Park Water Park | 214 | 775 | 989 |
| | Community Ball Diamonds | 214 | 775 | 989 |
| | Community Tennis Courts | 214 | 775 | 989 |
| | Soccer and Football Fields | 214 | 775 | 989 |
| | Fuhr Sports Park | 214 | 775 | 989 |
| | Outdoor Skating Surfaces | 214 | 775 | 989 |
| | Rotary Playscape | 214 | 775 | 989 |
| | Skateboard Park/BMX track | 214 | 775 | 989 |
| | Stony Plain Outdoor Swimming Pool | 214 | 775 | 989 |
| | Entwistle Outdoor Pool | 214 | 775 | 989 |
| Natural Areas | 214 | 775 | 989 | |
| Personally Engaged in Physical Activity | Stony Plain Golf Course | 816 | 173 | 989 |
| | Off Leash Dog Parks | 764 | 225 | 989 |
| | Playgrounds and Parks (Stony Plain) | 539 | 450 | 989 |
| | Playgrounds and Parks (Spruce Grove) | 536 | 453 | 989 |
| | Playgrounds and Parks (Parkland County) | 577 | 412 | 989 |
| | Central Park Water Park | 737 | 252 | 989 |

| | | | |
|--|-----|-----|-----|
| Community Ball Diamonds | 788 | 201 | 989 |
| Community Tennis Courts | 926 | 63 | 989 |
| Soccer and Football Fields | 667 | 322 | 989 |
| Fuhr Sports Park | 762 | 227 | 989 |
| Outdoor Skating Surfaces | 634 | 355 | 989 |
| Rotary Playscape | 822 | 167 | 989 |
| Skateboard Park/BMX track | 879 | 110 | 989 |
| Stony Plain Outdoor Swimming Pool | 767 | 222 | 989 |
| Entwistle Outdoor Pool | 965 | 24 | 989 |
| Natural Areas | 787 | 202 | 989 |
| Use of Outdoor Facilities (e.g. Leisure or League) | | | |
| Community Ball Diamonds | 837 | 152 | 989 |
| Community Tennis Courts | 928 | 61 | 989 |
| Soccer and Football Fields | 751 | 238 | 989 |
| Use of Outdoor facilities in Spruce Grove, Stony Plain, or Parkland County | | | |
| Outdoor Skating Surfaces | 670 | 319 | 989 |
| Community Ball Diamonds | 837 | 152 | 989 |
| Community Tennis Courts | 928 | 61 | 989 |
| Soccer and Football Fields | 751 | 238 | 989 |
| Multiuse Trail System | 378 | 611 | 989 |

Table 9. Missing/No Response/Didn't Know for Youth in Spruce Grove, Parkland County, and Town of Stony Plain

| Variable | Sub Variable | Missing | Answered | Total |
|---|--|---------|----------|-------|
| Been to (Indoor) | | | | |
| | Grant Fuhr | 6 | 49 | 55 |
| | Tri- Leisure | 6 | 49 | 55 |
| | Glenn Hall | 6 | 49 | 55 |
| | Community Halls Parkland County | 6 | 49 | 55 |
| | Community Halls Spruce Grove | 6 | 49 | 55 |
| Personally Engage in Physical Activity | | | | |
| | Grant Fuhr Arena | 26 | 29 | 55 |
| | Tri-Leisure | 7 | 48 | 55 |
| | Glenn Hall | 33 | 22 | 55 |
| | Community Halls Parkland County | 41 | 14 | 55 |
| | Community Halls Spruce Grove | 39 | 16 | 55 |
| Active Commute | | | | |
| | Grant Fuhr Arena | 33 | 22 | 55 |
| | Tri-Leisure | 7 | 48 | 55 |
| | Glenn Hall | 36 | 19 | 55 |
| | Community Halls Parkland County | 41 | 14 | 55 |
| | Community Halls Spruce Grove | 39 | 16 | 55 |
| Been to (Outdoor) | | | | |
| | Stony Plain Golf Course | 5 | 50 | 55 |
| | Off Leash Dog Parks | 5 | 50 | 55 |
| | Playgrounds and Parks (Stony Plain) | 5 | 50 | 55 |
| | Playgrounds and Parks (Spruce Grove) | 5 | 50 | 55 |
| | Playgrounds and Parks (Parkland County) | 5 | 50 | 55 |
| | Central Park Water Park | 5 | 50 | 55 |
| | Community Ball Diamonds | 5 | 50 | 55 |
| | Community Tennis Courts | 5 | 50 | 55 |
| | Soccer and Football Fields | 5 | 50 | 55 |
| | Fuhr Sports Park | 5 | 50 | 55 |
| | Outdoor Skating Surfaces | 5 | 50 | 55 |
| | Rotary Playscape | 5 | 50 | 55 |
| | Skateboard Park/BMX track | 5 | 50 | 55 |
| | Stony Plain Outdoor Swimming Pool | 5 | 50 | 55 |
| | Entwistle Outdoor Pool | 5 | 50 | 55 |
| | Natural Areas | 5 | 50 | 55 |
| | Use Outdoor Public Recreation in Surrounding Areas | | | |
| Personally Engaged in Physical Activity | | | | |
| | Stony Plain Golf Course | 40 | 15 | 55 |
| | Off Leash Dog Parks | 41 | 14 | 55 |
| | Playgrounds and Parks (Stony Plain) | 18 | 37 | 55 |
| | Playgrounds and Parks (Spruce Grove) | 22 | 33 | 55 |
| | Playgrounds and Parks (Parkland County) | 23 | 22 | 55 |

| | | | |
|--|----|----|----|
| Central Park Water Park | 40 | 15 | 55 |
| Community Ball Diamonds | 34 | 21 | 55 |
| Community Tennis Courts | 40 | 15 | 55 |
| Soccer and Football Fields | 25 | 30 | 55 |
| Fuhr Sports Park | 38 | 17 | 55 |
| Outdoor Skating Surfaces | 22 | 33 | 55 |
| Rotary Playscape | 46 | 9 | 55 |
| Skateboard Park/BMX track | 30 | 25 | 55 |
| Stony Plain Outdoor Swimming Pool | 30 | 25 | 55 |
| Entwistle Outdoor Pool | 52 | 3 | 0 |
| Natural Areas | 49 | 6 | 55 |
| Use of Outdoor Facilities (e.g. Leisure or League) | | | |
| Community Ball Diamonds | 38 | 17 | 55 |
| Community Tennis Courts | 40 | 15 | 55 |
| Soccer and Football Fields | 26 | 29 | 55 |
| Use of Outdoor facilities in Spruce Grove, Stony Plain, or Parkland County | | | |
| Outdoor Skating Surfaces | 25 | 30 | 55 |
| Community Ball Diamonds | 38 | 17 | 55 |
| Community Tennis Courts | 40 | 15 | 55 |
| Soccer and Football Fields | 26 | 29 | 55 |
| Multiuse Trail System | 13 | 42 | 55 |
