Appendices to “Evolution of the Determinants of Unmet Healthcare Needs in a Universal Healthcare System: Canada, 2001-2014”

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## Table A1 – Variable Definitions

|  |  |
| --- | --- |
| **Dependent** | **Description** |
| Subjective unmet healthcare needs (SUN) | self-perceived unmet healthcare need, *indicator* |
| System and personal reasons | system and personal reasons given, *indicator* |
| System reason(s) only | system reason(s) given without any personal reasons given, *indicator* |
| Personal reason(s) only | personal reason(s) given without any system reasons, *indicator* |
| Other reason(s) given | other reason given without any system or personal reasons or no reason given, *indicator* |
| **Predisposing Characteristics** |  |
| Female | Female, *indicator* |
| Age | Self-reported respondent age, *continuous* |
| Marital status – married/common-law | Married or common-law relationship, *indicator* |
| Marital status – widowed | Widowed, *indicator* |
| Marital status – separated/divorced | Separated or divorced, *indicator* |
| Marital status – single | Single - unmarried, *baseline* |
| Household size | Number of persons in household, *continuous* |
| Non-Immigrant | Non-immigrant / Canadian-born, indicator |
| Immigrant – 0-4 years | Immigrant, years in Canada, *indicator* |
| Immigrant – 5-9 years | Immigrant, years in Canada, *indicator* |
| Immigrant – 10-14 years | Immigrant, years in Canada, *indicator* |
| Immigrant – 15-19 years | Immigrant, years in Canada, *indicator* |
| Immigrant – 20 years or more | Immigrant, years in Canada, *indicator* |
| Education – less than secondary | Not completed secondary education, *indicator* |
| Education – secondary | Completed secondary, no postsecondary, *indicator* |
| Education – some postsecondary | Completed secondary, some postsecondary, *indicator* |
| Education – postsecondary | Completed postsecondary diploma, *indicator* |
| Ethnicity – White | Self-identified white only or other origin, *baseline* |
| Ethnicity – Other Minority | Self-identified other non-white origin, *indicator* |
| Ethnicity – Aboriginal Identity | Self-identified aboriginal origin, *indicator* |
| Sense of Belonging – very strong | sense of belonging to local community, *indicator* |
| Sense of Belonging – somewhat strong | sense of belonging to local community, *indicator* |
| Sense of Belonging – somewhat weak | sense of belonging to local community, *indicator* |
| Sense of Belonging – very weak | sense of belonging to local community, *indicator* |
| ***Enabling Resources*** |  |
| Regular Doctor | Has a regular medical doctor, *indicator* |
| Family Physician Density | Family physicians per 100,000 at health region level, *continuous* |
| Specialist Physician Density | Specialist physicians per 100,000 at health region level, *continuous* |
| Household income – under 5000 | Self-reported total household income, *baseline* |
| Household income – 5000-9999 | Self-reported total household income, *indicator* |
| Household income – 10,000-14,999 | Self-reported total household income, *indicator* |
| Household income – 15,000-19,999 | Self-reported total household income, *indicator* |
| Household income – 20,000-29,999 | Self-reported total household income, *indicator* |
| Household income – 30,000-39,999 | Self-reported total household income, *indicator* |
| Household income – 40,000-49,999 | Self-reported total household income, *indicator* |
| Household income – 50,000-59,999 | Self-reported total household income, *indicator* |
| Household income – 60,000-79,999 | Self-reported total household income, *indicator* |
| Household income – 80,000 or more | Self-reported total household income, *indicator* |
| Rural | Rural or urban residence, *indicator* |
| Province – ON | Resident of Ontario, *baseline* |
| Province – NL | Resident of Newfoundland and Labrador, *indicator* |
| Province – PEI | Resident of Prince Edward Island, *indicator* |
| Province – NS | Resident of Nova Scotia, *indicator* |
| Province – NB | Resident of New Brunswick, *indicator* |
| Province – QC | Resident of Quebec, *indicator* |
| Province – MB | Resident of Manitoba, *indicator* |
| Province – SK | Resident of Saskatchewan, *indicator* |
| Province – AB | Resident of Alberta, *indicator* |
| Province – BC | Resident of British Columbia, *indicator* |
| ***Need*** |  |
| Health Status – excellent | Self-reported health as excellent, *indicator* |
| Health Status – very good | Self-reported health as very good, *indicator* |
| Health Status – good | Self-reported health as good, *indicator* |
| Health Status – fair | Self-reported health as fair, *indicator* |
| Health Status – poor | Self-reported health as poor, *indicator* |
| Chronic Conditions – Asthma | Diagnosed, *indicator* |
| Chronic Conditions – Diabetes | Diagnosed, *indicator* |
| Chronic Conditions – Heart Disease | Diagnosed, *indicator* |
| Chronic Conditions – Arthritis | Diagnosed, *indicator* |
| Chronic Conditions – High Blood Pressure | Diagnosed, *indicator* |
| Chronic Conditions – Other | Diagnosed with some other chronic condition, *indicator* |
| Smokes – daily | Smokes cigarettes daily, *indicator* |
| Smokes – occasionally | Smokes cigarettes occasionally, *indicator* |
| Smokes – never | Does not smoke at all, *indicator* |
| Alcohol – daily | Regularly drinks at least once a month, *indicator* |
| Alcohol – occasionally | Occasionally drinks less than once a month, *indicator* |
| Alcohol – not in 12 months | Did not drink in the last 12 months, *indicator* |
| Activity level – active | Active in the last 3 months, *indicator* |
| Activity level – moderately active | Moderately active in the last 3 months, *indicator* |
| Activity level – inactive | Inactive in the last 3 months, *indicator* |
| *Note*: Other Chronic Conditions includes*:* Back problems (excluding fibromyalgia and arthritis), migraine headaches, cancer, stomach or intestinal ulcers, effects of a stroke, urinary incontinence, bowel disorder (including Crohn’s Disease or colitis), and Alzheimer’s Disease or other dementia. | |

## Table A2 – Logit Marginal Effects with Confidence Intervals for All Years

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **2001** | **2003** | **2005** | **2010** | **2014** |
| **Predisposing Characteristics** |  |  |  |  |  |
| Female | 0.030\*\*\* (0.023, 0.036) | 0.029\*\*\* (0.022, 0.036) | 0.033\*\*\* (0.027, 0.040) | 0.036\*\*\* (0.024, 0.049) | 0.023\*\*\* (0.011, 0.035) |
| Age | -0.040\*\*\* (-0.043, -0.037) | -0.036\*\*\* (-0.040, -0.032) | -0.028\*\*\* (-0.031, -0.024) | -0.028\*\*\* (-0.034, -0.022) | -0.024\*\*\* (-0.031, -0.017) |
| MS married/common-law | 0.008\* (-0.001, 0.017) | 0.018\*\*\* (0.009, 0.027) | 0.012\*\*\* (0.003, 0.020) | 0.022\*\*\* (0.011, 0.034) | 0.011 (-0.003, 0.024) |
| MS widowed | 0.014 (-0.004, 0.031) | 0.004 (-0.011, 0.018) | -0.017\*\* (-0.031, -0.004) | 0.012 (-0.014, 0.039) | -0.003 (-0.027, 0.021) |
| MS separated/divorced | 0.028\*\*\* (0.017, 0.039) | 0.032\*\*\* (0.019, 0.044) | 0.021\*\*\* (0.008, 0.033) | 0.030\*\*\* (0.010, 0.051) | 0.030\*\* (0.007, 0.053) |
| HH size | -0.001 (-0.005, 0.004) | -0.001 (-0.005, 0.004) | -0.001 (-0.005, 0.004) | -0.002 (-0.009, 0.005) | -0.004 (-0.011, 0.004) |
| Immigrant 0-5 years | -0.001 (-0.013, 0.011) | -0.002 (-0.015, 0.012) | -0.002 (-0.014, 0.011) | 0.010 (-0.016, 0.035) | -0.010 (-0.028, 0.007) |
| Immigrant 5-10 years | -0.027\* (-0.057, 0.002) | -0.005 (-0.037, 0.027) | -0.019\* (-0.042, 0.004) | 0.031 (-0.024, 0.086) | 0.022 (-0.029, 0.074) |
| Immigrant 10-15 years | -0.009 (-0.034, 0.016) | -0.011 (-0.035, 0.013) | 0.007 (-0.019, 0.034) | 0.026 (-0.033, 0.084) | -0.005 (-0.043, 0.033) |
| Immigrant 15-20 years | 0.000 (-0.026, 0.027) | -0.028\*\* (-0.052, -0.005) | 0.010 (-0.015, 0.035) | 0.009 (-0.031, 0.049) | -0.007 (-0.042, 0.029) |
| Immigrant 20+ years | -0.040\*\*\* (-0.061, -0.019) | -0.013 (-0.038, 0.013) | 0.014 (-0.013, 0.042) | 0.004 (-0.032, 0.040) | -0.020 (-0.054, 0.014) |
| Educ.- Sec. (no sec.) | 0.009\*\* (0.001, 0.018) | 0.005 (-0.005, 0.016) | 0.020\*\*\* (0.011, 0.029) | 0.017\*\* (0.002, 0.033) | 0.016\* (-0.002, 0.035) |
| Educ. - Some post-sec. (sec.) | 0.040\*\*\* (0.027, 0.054) | 0.026\*\*\* (0.014, 0.039) | 0.029\*\*\* (0.016, 0.042) | 0.032\*\*\* (0.012, 0.052) | 0.024\* (0.000, 0.048) |
| Educ. - Post-sec. (some post-sec) | -0.007 (-0.019, 0.005) | 0.004 (-0.008, 0.016) | 0.005 (-0.007, 0.018) | 0.011 (-0.007, 0.029) | -0.001 (-0.024, 0.022) |
| Ethnicity - Other minority | -0.029\*\*\* (-0.042, -0.016) | 0.001 (-0.015, 0.016) | -0.006 (-0.020, 0.009) | -0.020\* (-0.043, 0.002) | 0.009 (-0.011, 0.029) |
| Ethnicity - Aboriginal | 0.016 (-0.005, 0.037) | 0.021\*\* (0.001, 0.042) | 0.015\* (-0.002, 0.032) | 0.025 (-0.013, 0.062) | 0.030\*\* (0.001, 0.058) |
| Belong SS (VS) | -0.010\*\* (-0.018, -0.001) | -0.016\*\*\* (-0.025, -0.006) | -0.009\*\* (-0.018, -0.001) | -0.013 (-0.029, 0.003) | -0.022\*\*\* (-0.037, -0.006) |
| Belong SW (SS) | 0.020\*\*\* (0.012, 0.028) | 0.022\*\*\* (0.014, 0.030) | 0.020\*\*\* (0.013, 0.028) | 0.008 (-0.005, 0.021) | 0.029\*\*\* (0.016, 0.042) |
| Belong VW (SW) | 0.001 (-0.009, 0.011) | 0.021\*\*\* (0.007, 0.034) | 0.022\*\*\* (0.009, 0.034) | 0.030\*\*\* (0.009, 0.051) | 0.027\*\* (0.006, 0.049) |
| **Enabling Resources** |  |  |  |  |  |
| Regular Doctor | -0.032\*\*\* (-0.039, -0.025) | -0.037\*\*\* (-0.044, -0.030) | -0.044\*\*\* (-0.050, -0.038) | -0.053\*\*\* (-0.062, -0.044) | -0.047\*\*\* (-0.057, -0.038) |
| Physician Density | -0.005\* (-0.010, 0.000) | -0.006\*\* (-0.011, -0.001) | -0.001 (-0.006, 0.005) | 0.002 (-0.006, 0.011) | -0.001 (-0.008, 0.006) |
| Specialist Density | 0.002 (-0.003, 0.008) | 0.003 (-0.002, 0.009) | 0.001 (-0.004, 0.006) | -0.002 (-0.011, 0.007) | 0.005 (-0.003, 0.014) |
| Household income increase 5k-10k | 0.021 (-0.010, 0.053) | 0.007 (-0.033, 0.048) | 0.013 (-0.027, 0.053) | 0.018 (-0.064, 0.100) | 0.029 (-0.055, 0.113) |
| HH inc increase 10k-15k | -0.009 (-0.027, 0.009) | 0.000 (-0.023, 0.023) | -0.010 (-0.033, 0.014) | -0.023 (-0.069, 0.024) | -0.021 (-0.082, 0.040) |
| HH inc increase 15k-20k | -0.001 (-0.017, 0.016) | -0.012 (-0.031, 0.008) | -0.013 (-0.031, 0.005) | -0.010 (-0.045, 0.024) | -0.039\* (-0.080, 0.003) |
| HH inc increase 20k-30k | -0.008 (-0.024, 0.009) | -0.012 (-0.028, 0.005) | 0.003 (-0.012, 0.018) | 0.002 (-0.029, 0.032) | 0.017 (-0.010, 0.045) |
| HH inc increase 30k-40k | 0.000 (-0.011, 0.012) | 0.007 (-0.006, 0.021) | 0.000 (-0.013, 0.013) | 0.003 (-0.021, 0.028) | -0.007 (-0.032, 0.018) |
| HH inc increase 40k-50k | -0.002 (-0.014, 0.010) | 0.006 (-0.008, 0.020) | -0.005 (-0.018, 0.007) | -0.034\*\*\* (-0.056, -0.013) | 0.002 (-0.020, 0.025) |
| HH inc increase 50k-60k | 0.001 (-0.011, 0.014) | -0.007 (-0.021, 0.007) | -0.002 (-0.015, 0.012) | 0.001 (-0.021, 0.024) | -0.010 (-0.033, 0.012) |
| HH inc increase 60k-80k | 0.002 (-0.011, 0.014) | -0.006 (-0.019, 0.007) | 0.006 (-0.007, 0.018) | 0.003 (-0.018, 0.023) | 0.004 (-0.017, 0.025) |
| HH inc increase 80k + | -0.007 (-0.018, 0.004) | -0.001 (-0.011, 0.010) | 0.001 (-0.009, 0.010) | 0.016\*\* (0.001, 0.032) | -0.004 (-0.020, 0.011) |
| Rural | -0.001 (-0.009, 0.006) | 0.001 (-0.007, 0.009) | 0.000 (-0.008, 0.008) | -0.006 (-0.018, 0.006) | -0.003 (-0.016, 0.010) |
| Province – NL | 0.007 (-0.012, 0.025) | 0.031\*\*\* (0.007, 0.055) | -0.004 (-0.022, 0.014) | -0.001 (-0.026, 0.024) | -0.030\*\*\* (-0.052, -0.008) |
| Province – PEI | -0.004 (-0.022, 0.013) | -0.021\*\* (-0.042, 0.000) | 0.005 (-0.018, 0.028) | 0.007 (-0.025, 0.038) | 0.002 (-0.031, 0.034) |
| Province – NS | 0.009 (-0.007, 0.024) | 0.001 (-0.014, 0.016) | -0.016\*\* (-0.032, 0.000) | -0.017 (-0.039, 0.004) | -0.010 (-0.029, 0.008) |
| Province – NB | 0.001 (-0.015, 0.016) | 0.010 (-0.006, 0.026) | -0.009 (-0.024, 0.006) | -0.013 (-0.033, 0.007) | -0.022\*\* (-0.041, -0.003) |
| Province – QC | 0.004 (-0.007, 0.015) | 0.019\*\*\* (0.008, 0.030) | 0.003 (-0.007, 0.013) | 0.043\*\*\* (0.026, 0.060) | 0.030\*\*\* (0.015, 0.045) |
| Province – MB | 0.005 (-0.010, 0.019) | 0.025\*\*\* (0.008, 0.042) | 0.011 (-0.004, 0.026) | 0.008 (-0.017, 0.033) | -0.002 (-0.024, 0.021) |
| Province – SK | -0.005 (-0.019, 0.008) | -0.012 (-0.026, 0.003) | -0.022\*\*\* (-0.036, -0.009) | 0.006 (-0.015, 0.028) | -0.040\*\*\* (-0.056, -0.024) |
| Province – AB | -0.003 (-0.013, 0.008) | 0.000 (-0.011, 0.011) | -0.027\*\*\* (-0.038, -0.016) | 0.014 (-0.007, 0.034) | -0.013 (-0.030, 0.004) |
| Province – BC | 0.004 (-0.007, 0.016) | 0.024\*\*\* (0.011, 0.036) | 0.002 (-0.010, 0.015) | 0.014 (-0.006, 0.034) | 0.011 (-0.007, 0.029) |
| **Need** |  |  |  |  |  |
| HS fair (poor) | -0.102\*\*\* (-0.127, -0.076) | -0.113\*\*\* (-0.145, -0.081) | -0.060\*\*\* (-0.087, -0.032) | -0.102\*\*\* (-0.150, -0.053) | -0.084\*\*\* (-0.142, -0.025) |
| HS good (fair) | -0.079\*\*\* (-0.095, -0.064) | -0.064\*\*\* (-0.078, -0.049) | -0.081\*\*\* (-0.097, -0.066) | -0.073\*\*\* (-0.098, -0.048) | -0.096\*\*\* (-0.125, -0.068) |
| HS v. good (good) | -0.049\*\*\* (-0.057, -0.041) | -0.040\*\*\* (-0.049, -0.031) | -0.037\*\*\* (-0.045, -0.029) | -0.042\*\*\* (-0.057, -0.027) | -0.051\*\*\* (-0.064, -0.038) |
| HS excellent (v. good) | -0.037\*\*\* (-0.043, -0.030) | -0.029\*\*\* (-0.037, -0.022) | -0.032\*\*\* (-0.039, -0.024) | -0.038\*\*\* (-0.050, -0.025) | -0.029\*\*\* (-0.040, -0.018) |
| Asthma | 0.050\*\*\* (0.037, 0.062) | 0.047\*\*\* (0.034, 0.060) | 0.046\*\*\* (0.033, 0.059) | 0.039\*\*\* (0.016, 0.062) | 0.036\*\*\* (0.016, 0.056) |
| Diabetes | -0.007 (-0.019, 0.006) | -0.004 (-0.018, 0.011) | -0.015\*\* (-0.027, -0.003) | -0.006 (-0.025, 0.014) | -0.012 (-0.029, 0.005) |
| Heart | 0.023\*\*\* (0.008, 0.039) | 0.015\* (-0.001, 0.030) | 0.015\* (-0.001, 0.030) | 0.003 (-0.019, 0.026) | -0.019\*\* (-0.038, 0.000) |
| Arthritis | 0.079\*\*\* (0.066, 0.091) | 0.070\*\*\* (0.058, 0.083) | 0.070\*\*\* (0.057, 0.082) | 0.078\*\*\* (0.054, 0.102) | 0.066\*\*\* (0.044, 0.087) |
| High BP | 0.003 (-0.007, 0.012) | 0.005 (-0.007, 0.017) | 0.009\* (-0.002, 0.020) | -0.003 (-0.019, 0.013) | -0.007 (-0.021, 0.008) |
| Other Condition | 0.082\*\*\* (0.070, 0.094) | 0.072\*\*\* (0.060, 0.084) | 0.071\*\*\* (0.060, 0.082) | 0.077\*\*\* (0.056, 0.098) | 0.052\*\*\* (0.034, 0.070) |
| Smk. occ. (daily) | -0.002 (-0.019, 0.015) | 0.005 (-0.012, 0.022) | -0.006 (-0.021, 0.008) | -0.005 (-0.030, 0.020) | -0.020 (-0.044, 0.005) |
| Smk. never (occ.) | -0.015\* (-0.032, 0.001) | -0.028\*\*\* (-0.044, -0.012) | -0.016\*\* (-0.029, -0.003) | -0.001 (-0.024, 0.022) | 0.003 (-0.019, 0.025) |
| Smk. never (daily) | -0.017\*\*\* (-0.024, -0.010) | -0.023\*\*\* (-0.032, -0.013) | -0.022\*\*\* (-0.030, -0.014) | -0.006 (-0.019, 0.007) | -0.017\*\* (-0.032, -0.002) |
| Alc. occ. (daily) | 0.001 (-0.014, 0.015) | -0.009 (-0.023, 0.005) | 0.006 (-0.006, 0.018) | -0.021\* (-0.046, 0.004) | -0.015 (-0.035, 0.005) |
| Alc. none (occ.) | -0.010\*\* (-0.018, -0.001) | -0.008\* (-0.018, 0.001) | -0.005 (-0.014, 0.005) | -0.003 (-0.017, 0.011) | -0.013\* (-0.027, 0.001) |
| Alc. none (daily) | -0.009 (-0.025, 0.006) | -0.018\*\* (-0.033, -0.003) | 0.002 (-0.012, 0.015) | -0.024\* (-0.049, 0.002) | -0.028\*\* (-0.049, -0.006) |
| Mod. active (active) | -0.012\*\*\* (-0.021, -0.004) | 0.001 (-0.008, 0.010) | -0.010\*\* (-0.018, -0.001) | -0.018\*\* (-0.033, -0.003) | -0.004 (-0.018, 0.011) |
| Inactive (mod. active) | -0.003 (-0.011, 0.004) | -0.007 (-0.015, 0.001) | 0.007\* (-0.001, 0.014) | 0.009 (-0.003, 0.021) | -0.016\*\* (-0.029, -0.003) |
| Inactive (active) | -0.016\*\*\* (-0.024, -0.008) | -0.006 (-0.014, 0.003) | -0.003 (-0.011, 0.005) | -0.009 (-0.024, 0.006) | -0.020\*\*\* (-0.033, -0.006) |

## Table A3 – Multinomial Logit Marginal Effects with Confidence Intervals (2001)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Main | system | personal | both | other |
| ***Predisposing Characteristics*** |  |  |  |  |
| Female | 0.036\*\*\* (0.011, 0.061) | -0.041\*\*\* (-0.065, -0.017) | 0.000 (-0.012, 0.011) | 0.005 (-0.007, 0.018) |
| Age | 0.021\*\* (0.002, 0.040) | -0.024\*\*\* (-0.042, -0.006) | -0.007\* (-0.014, 0.000) | 0.010\* (0.000, 0.020) |
| MS marries | 0.051\*\* (0.012, 0.091) | -0.037\* (-0.076, 0.002) | 0.002 (-0.014, 0.018) | -0.016\* (-0.035, 0.003) |
| MS widowed | -0.006 (-0.075, 0.063) | -0.003 (-0.076, 0.071) | 0.009 (-0.026, 0.044) | -0.001 (-0.036, 0.035) |
| MS sep./div. | 0.011 (-0.034, 0.057) | -0.017 (-0.062, 0.028) | 0.007 (-0.013, 0.026) | -0.001 (-0.021, 0.020) |
| HH size | -0.024\*\* (-0.043, -0.005) | 0.018\*\* (0.001, 0.036) | -0.004 (-0.011, 0.002) | 0.010\*\* (0.001, 0.018) |
| Immigrant 0-5 years | 0.001 (-0.048, 0.050) | -0.010 (-0.057, 0.037) | 0.004 (-0.023, 0.030) | 0.005 (-0.019, 0.028) |
| Immigrant 5-10 years | -0.032 (-0.272, 0.209) | -0.089 (-0.242, 0.064) | -0.023 (-0.335, 0.290) | 0.143\* (-0.021, 0.307) |
| Immigrant 10-15 years | -0.109\* (-0.228, 0.009) | 0.085 (-0.031, 0.201) | 0.043 (-0.040, 0.125) | -0.019 (-0.099, 0.062) |
| Immigrant 15-20 years | 0.056 (-0.046, 0.158) | -0.040 (-0.138, 0.058) | 0.003 (-0.050, 0.056) | -0.019 (-0.050, 0.012) |
| Immigrant 20+ years | 0.011 (-0.202, 0.224) | 0.007 (-0.158, 0.173) | -0.001 (-0.055, 0.053) | -0.017 (-0.320, 0.285) |
| Sec. (no sec.) | 0.015 (-0.028, 0.059) | -0.020 (-0.062, 0.021) | 0.007 (-0.009, 0.023) | -0.002 (-0.024, 0.020) |
| Some post-sec. (sec.) | -0.001 (-0.048, 0.045) | 0.014 (-0.030, 0.058) | 0.009 (-0.012, 0.029) | -0.021\* (-0.043, 0.001) |
| Post-sec. (some post-sec) | -0.001 (-0.042, 0.040) | -0.012 (-0.051, 0.026) | 0.008 (-0.012, 0.029) | 0.005 (-0.010, 0.021) |
| Ethnicity - Other minority | 0.029 (-0.035, 0.094) | -0.008 (-0.072, 0.056) | -0.008 (-0.038, 0.022) | -0.013 (-0.037, 0.011) |
| Ethnicity - Aboriginal | -0.036 (-0.108, 0.037) | 0.008 (-0.065, 0.081) | 0.026 (-0.008, 0.060) | 0.001 (-0.026, 0.028) |
| Belong SS (VS) | -0.024 (-0.062, 0.015) | 0.017 (-0.019, 0.053) | 0.004 (-0.013, 0.020) | 0.003 (-0.014, 0.019) |
| Belong SW (SS) | -0.026 (-0.058, 0.006) | 0.020 (-0.010, 0.051) | -0.007 (-0.022, 0.008) | 0.013\* (-0.002, 0.027) |
| Belong VW (SW) | -0.015 (-0.054, 0.024) | 0.008 (-0.031, 0.048) | -0.004 (-0.020, 0.011) | 0.011 (-0.008, 0.030) |
| ***Enabling Resources*** |  |  |  |  |
| Doctor | -0.002 (-0.037, 0.033) | 0.018 (-0.016, 0.052) | 0.009 (-0.008, 0.025) | -0.025\*\*\* (-0.033, -0.016) |
| Physician Density | 0.017 (-0.003, 0.038) | -0.010 (-0.030, 0.010) | -0.001 (-0.011, 0.009) | -0.006 (-0.016, 0.004) |
| Specialist Density | -0.040\*\*\* (-0.062, -0.018) | 0.028\*\* (0.006, 0.050) | -0.004 (-0.013, 0.006) | 0.016\*\* (0.003, 0.029) |
| HH inc increase 5k-10k | -0.172\*\*\* (-0.291, -0.052) | 0.192\*\*\* (0.091, 0.292) | -0.016 (-0.080, 0.048) | -0.004 (-0.056, 0.049) |
| HH inc increase 10k-15k | 0.051 (-0.016, 0.119) | -0.039 (-0.105, 0.027) | -0.005 (-0.032, 0.022) | -0.007 (-0.035, 0.020) |
| HH inc increase 15k-20k | 0.004 (-0.055, 0.064) | -0.004 (-0.067, 0.059) | 0.006 (-0.019, 0.032) | -0.007 (-0.032, 0.019) |
| HH inc increase 20k-30k | -0.052\* (-0.106, 0.002) | 0.064\*\* (0.006, 0.121) | -0.008 (-0.033, 0.016) | -0.003 (-0.026, 0.020) |
| HH inc increase 30k-40k | 0.010 (-0.037, 0.057) | -0.021 (-0.065, 0.024) | 0.015 (-0.006, 0.036) | -0.005 (-0.027, 0.018) |
| HH inc increase 40k-50k | 0.017 (-0.037, 0.070) | -0.031 (-0.082, 0.020) | -0.006 (-0.029, 0.017) | 0.020 (-0.006, 0.046) |
| HH inc increase 50k-60k | 0.017 (-0.038, 0.072) | 0.006 (-0.046, 0.059) | 0.003 (-0.023, 0.029) | -0.026\*\* (-0.052, -0.001) |
| HH inc increase 60k-80k | 0.013 (-0.037, 0.062) | -0.016 (-0.063, 0.032) | -0.011 (-0.033, 0.012) | 0.014 (-0.010, 0.037) |
| HH inc increase 80k + | -0.029 (-0.072, 0.014) | 0.037\* (-0.004, 0.077) | -0.001 (-0.020, 0.018) | -0.007 (-0.029, 0.016) |
| Rural | -0.018 (-0.048, 0.012) | 0.008 (-0.021, 0.037) | 0.011 (-0.005, 0.027) | -0.001 (-0.015, 0.013) |
| Province – NL | -0.025 (-0.099, 0.048) | 0.014 (-0.057, 0.085) | -0.004 (-0.038, 0.031) | 0.015 (-0.029, 0.059) |
| Province – PEI | 0.052 (-0.025, 0.129) | -0.024 (-0.101, 0.053) | -0.008 (-0.042, 0.026) | -0.019 (-0.046, 0.007) |
| Province – NS | 0.038 (-0.019, 0.096) | -0.051\* (-0.105, 0.004) | 0.015 (-0.012, 0.042) | -0.003 (-0.029, 0.023) |
| Province – NB | -0.016 (-0.075, 0.043) | -0.018 (-0.075, 0.038) | -0.025\*\* (-0.046, -0.005) | 0.059\*\*\* (0.015, 0.104) |
| Province – QC | 0.055\*\*\* (0.014, 0.096) | -0.043\*\* (-0.080, -0.005) | 0.000 (-0.020, 0.020) | -0.013 (-0.031, 0.006) |
| Province – MB | -0.004 (-0.060, 0.053) | -0.004 (-0.057, 0.050) | 0.023\* (-0.002, 0.048) | -0.015 (-0.037, 0.006) |
| Province – SK | -0.057\*\* (-0.113, -0.001) | 0.050\* (-0.007, 0.107) | -0.006 (-0.029, 0.018) | 0.013 (-0.016, 0.041) |
| Province – AB | 0.009 (-0.032, 0.050) | -0.020 (-0.061, 0.021) | 0.017 (-0.007, 0.040) | -0.006 (-0.026, 0.014) |
| Province – BC | -0.021 (-0.066, 0.024) | 0.012 (-0.032, 0.055) | -0.015 (-0.034, 0.004) | 0.025\* (-0.003, 0.052) |
| ***Need*** |  |  |  |  |
| HS fair (poor) | 0.017 (-0.033, 0.067) | 0.005 (-0.042, 0.051) | -0.008 (-0.033, 0.017) | -0.014 (-0.040, 0.012) |
| HS good (fair) | -0.046\*\* (-0.083, -0.009) | 0.039\*\* (0.004, 0.074) | 0.011 (-0.006, 0.029) | -0.005 (-0.021, 0.012) |
| HS vgood (good) | 0.007 (-0.023, 0.037) | 0.015 (-0.015, 0.044) | -0.018\*\* (-0.033, -0.003) | -0.004 (-0.019, 0.011) |
| Asthma | 0.004 (-0.036, 0.044) | 0.001 (-0.040, 0.043) | -0.004 (-0.020, 0.012) | -0.002 (-0.021, 0.018) |
| Diabetes | 0.013 (-0.025, 0.051) | -0.025 (-0.061, 0.011) | 0.012 (-0.007, 0.031) | 0.000 (-0.016, 0.016) |
| Heart | -0.015 (-0.071, 0.042) | 0.028 (-0.032, 0.088) | -0.014 (-0.034, 0.005) | 0.001 (-0.024, 0.026) |
| Arthritis | -0.028 (-0.090, 0.035) | 0.036 (-0.027, 0.099) | 0.010 (-0.017, 0.037) | -0.018\*\* (-0.035, -0.002) |
| High BP | 0.011 (-0.021, 0.043) | -0.028\* (-0.059, 0.003) | 0.019\* (-0.002, 0.039) | -0.002 (-0.016, 0.013) |
| Other Condition | 0.028 (-0.009, 0.066) | -0.019 (-0.056, 0.017) | -0.006 (-0.023, 0.012) | -0.003 (-0.020, 0.013) |
| Smk occ. (daily) | 0.022 (-0.041, 0.084) | 0.016 (-0.045, 0.077) | -0.015 (-0.036, 0.006) | -0.023\*\* (-0.044, -0.003) |
| Smk never (occ.) | -0.024 (-0.083, 0.035) | -0.017 (-0.075, 0.040) | 0.020\*\* (0.000, 0.040) | 0.021\*\* (0.003, 0.040) |
| Smk never (daily) | -0.002 (-0.030, 0.026) | -0.001 (-0.029, 0.027) | 0.005 (-0.007, 0.017) | -0.002 (-0.016, 0.012) |
| Alc occ. (daily) | -0.084\*\*\* (-0.137, -0.031) | 0.081\*\*\* (0.031, 0.131) | 0.008 (-0.014, 0.030) | -0.005 (-0.032, 0.022) |
| Alc none (occ.) | 0.018 (-0.018, 0.055) | -0.025 (-0.060, 0.011) | -0.008 (-0.022, 0.006) | 0.015\* (-0.003, 0.032) |
| Alc none (daily) | -0.066\*\* (-0.129, -0.003) | 0.056\* (-0.001, 0.113) | 0.000 (-0.025, 0.024) | 0.010 (-0.022, 0.042) |
| Mod. active vs active | -0.012 (-0.047, 0.023) | 0.023 (-0.012, 0.057) | -0.017\*\* (-0.034, -0.001) | 0.007 (-0.014, 0.027) |
| Inactive vs mod. active | 0.010 (-0.019, 0.039) | -0.006 (-0.034, 0.022) | 0.010 (-0.003, 0.022) | -0.014\* (-0.029, 0.002) |
| Inactive vs active | -0.002 (-0.033, 0.030) | 0.016 (-0.014, 0.047) | -0.008 (-0.024, 0.009) | -0.007 (-0.023, 0.009) |

## Table A4 - Multinomial Logit Marginal Effects with Confidence Intervals (2003)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Main | system | personal | both | other |
| ***Predisposing Characteristics*** |  |  |  |  |
| Female | 0.071\*\*\* (0.041, 0.101) | -0.095\*\*\* (-0.123, -0.066) | 0.011 (-0.005, 0.027) | 0.012 (-0.003, 0.028) |
| Age | 0.049\*\*\* (0.031, 0.067) | -0.042\*\*\* (-0.058, -0.027) | -0.010\*\* (-0.019, -0.002) | 0.004 (-0.006, 0.014) |
| MS marries | 0.024 (-0.015, 0.062) | -0.028 (-0.062, 0.006) | 0.009 (-0.010, 0.027) | -0.004 (-0.025, 0.016) |
| MS widowed | -0.117\*\*\* (-0.201, -0.034) | 0.117\*\*\* (0.029, 0.205) | 0.010 (-0.036, 0.055) | -0.010 (-0.038, 0.018) |
| MS sep./div. | 0.016 (-0.036, 0.067) | -0.027 (-0.074, 0.019) | 0.013 (-0.015, 0.041) | -0.002 (-0.027, 0.024) |
| HH size | -0.011 (-0.030, 0.008) | 0.017\* (0.000, 0.035) | 0.000 (-0.010, 0.009) | -0.006\* (-0.013, 0.001) |
| Immigrant 0-5 years | 0.008 (-0.050, 0.066) | -0.001 (-0.057, 0.055) | 0.010 (-0.024, 0.044) | -0.017 (-0.038, 0.004) |
| Immigrant 5-10 years | -0.032 (-0.205, 0.140) | 0.003 (-0.134, 0.141) | 0.069 (-0.072, 0.210) | -0.040 (-0.169, 0.089) |
| Immigrant 10-15 years | 0.072 (-0.156, 0.301) | -0.086\* (-0.184, 0.013) | 0.034 (-0.250, 0.319) | -0.021 (-0.069, 0.027) |
| Immigrant 15-20 years | 0.052 (-0.070, 0.173) | -0.103\*\* (-0.185, -0.022) | 0.089\* (-0.012, 0.190) | -0.038\*\*\* (-0.066, -0.009) |
| Immigrant 20+ years | 0.103\* (-0.009, 0.215) | -0.083\* (-0.179, 0.013) | 0.011 (-0.061, 0.083) | -0.031 (-0.069, 0.007) |
| Sec. (no sec.) | 0.014 (-0.038, 0.066) | -0.009 (-0.058, 0.039) | 0.004 (-0.018, 0.027) | -0.009 (-0.032, 0.014) |
| Some post-sec. (sec.) | 0.039 (-0.018, 0.095) | -0.056\*\* (-0.103, -0.008) | 0.008 (-0.023, 0.038) | 0.010 (-0.014, 0.033) |
| Post-sec. (some post-sec) | 0.011 (-0.036, 0.059) | -0.002 (-0.039, 0.035) | -0.006 (-0.033, 0.022) | -0.004 (-0.024, 0.017) |
| Ethnicity - Other minority | 0.028 (-0.036, 0.091) | -0.022 (-0.080, 0.036) | -0.021 (-0.050, 0.008) | 0.015 (-0.019, 0.049) |
| Ethnicity - Aboriginal | -0.027 (-0.113, 0.059) | 0.020 (-0.056, 0.095) | 0.000 (-0.045, 0.045) | 0.007 (-0.029, 0.044) |
| Belong SS (VS) | -0.037\* (-0.078, 0.004) | 0.057\*\*\* (0.023, 0.091) | -0.018 (-0.039, 0.004) | -0.002 (-0.024, 0.020) |
| Belong SW (SS) | -0.035\*\* (-0.069, 0.000) | 0.025 (-0.006, 0.056) | 0.008 (-0.008, 0.025) | 0.002 (-0.016, 0.019) |
| Belong VW (SW) | 0.019 (-0.029, 0.066) | -0.035 (-0.076, 0.007) | 0.019 (-0.011, 0.049) | -0.003 (-0.022, 0.015) |
| ***Enabling Resources*** |  |  |  |  |
| Doctor | 0.028 (-0.007, 0.064) | 0.018 (-0.016, 0.052) | -0.024\*\*\* (-0.036, -0.011) | -0.022\*\*\* (-0.033, -0.012) |
| Physician Density | 0.015 (-0.011, 0.040) | 0.004 (-0.019, 0.028) | -0.008 (-0.019, 0.003) | -0.011\* (-0.025, 0.002) |
| Specialist Density | -0.039\*\*\* (-0.064, -0.013) | 0.017 (-0.007, 0.041) | 0.009 (-0.005, 0.023) | 0.013 (-0.004, 0.030) |
| HH inc increase 5k-10k | 0.076 (-0.084, 0.236) | -0.008 (-0.154, 0.138) | -0.086 (-0.227, 0.056) | 0.018 (-0.032, 0.068) |
| HH inc increase 10k-15k | 0.027 (-0.069, 0.122) | -0.029 (-0.120, 0.062) | -0.023 (-0.066, 0.020) | 0.026 (-0.014, 0.065) |
| HH inc increase 15k-20k | 0.032 (-0.042, 0.107) | -0.009 (-0.078, 0.061) | 0.021 (-0.016, 0.057) | -0.044\*\*\* (-0.075, -0.013) |
| HH inc increase 20k-30k | -0.011 (-0.079, 0.056) | -0.012 (-0.075, 0.052) | 0.010 (-0.028, 0.049) | 0.013 (-0.011, 0.037) |
| HH inc increase 30k-40k | 0.005 (-0.050, 0.060) | 0.036 (-0.015, 0.088) | -0.025 (-0.057, 0.006) | -0.016 (-0.039, 0.006) |
| HH inc increase 40k-50k | -0.035 (-0.095, 0.025) | -0.006 (-0.060, 0.049) | 0.020 (-0.010, 0.050) | 0.021 (-0.006, 0.047) |
| HH inc increase 50k-60k | 0.017 (-0.047, 0.081) | -0.021 (-0.077, 0.035) | 0.001 (-0.036, 0.037) | 0.003 (-0.027, 0.033) |
| HH inc increase 60k-80k | -0.003 (-0.064, 0.057) | 0.030 (-0.021, 0.081) | -0.011 (-0.045, 0.022) | -0.015 (-0.042, 0.011) |
| HH inc increase 80k + | -0.021 (-0.067, 0.024) | 0.008 (-0.031, 0.047) | -0.004 (-0.028, 0.020) | 0.018 (-0.004, 0.040) |
| Rural | -0.036\*\* (-0.072, 0.000) | 0.038\*\* (0.003, 0.073) | -0.005 (-0.022, 0.013) | 0.003 (-0.015, 0.021) |
| Province – NL | -0.006 (-0.102, 0.089) | -0.025 (-0.095, 0.045) | 0.060\* (-0.009, 0.128) | -0.029 (-0.070, 0.013) |
| Province – PEI | -0.082 (-0.218, 0.055) | 0.028 (-0.097, 0.152) | 0.003 (-0.049, 0.054) | 0.052 (-0.065, 0.168) |
| Province – NS | -0.001 (-0.083, 0.081) | -0.017 (-0.082, 0.048) | 0.043\* (0.000, 0.087) | -0.025 (-0.064, 0.013) |
| Province – NB | 0.079\*\* (0.011, 0.148) | -0.069\*\* (-0.124, -0.015) | 0.009 (-0.037, 0.056) | -0.019 (-0.059, 0.020) |
| Province – QC | 0.027 (-0.014, 0.068) | -0.017 (-0.056, 0.023) | 0.029\*\*\* (0.008, 0.049) | -0.039\*\*\* (-0.058, -0.020) |
| Province – MB | -0.040 (-0.107, 0.028) | 0.030 (-0.029, 0.090) | 0.040\*\* (0.005, 0.075) | -0.031\*\* (-0.056, -0.006) |
| Province – SK | -0.141\*\*\* (-0.227, -0.056) | 0.097\*\* (0.023, 0.171) | 0.018 (-0.025, 0.061) | 0.026 (-0.029, 0.081) |
| Province – AB | -0.058\*\* (-0.115, -0.001) | 0.015 (-0.036, 0.065) | 0.045\*\*\* (0.012, 0.077) | -0.001 (-0.037, 0.035) |
| Province – BC | -0.041 (-0.098, 0.016) | 0.027 (-0.025, 0.079) | 0.010 (-0.017, 0.037) | 0.004 (-0.045, 0.054) |
| ***Need*** |  |  |  |  |
| HS fair (poor) | -0.043 (-0.107, 0.021) | 0.003 (-0.056, 0.062) | 0.024 (-0.012, 0.059) | 0.017 (-0.007, 0.041) |
| HS good (fair) | 0.013 (-0.031, 0.058) | 0.009 (-0.032, 0.050) | -0.010 (-0.037, 0.017) | -0.013 (-0.034, 0.008) |
| HS vgood (good) | -0.010 (-0.046, 0.027) | 0.030\* (-0.002, 0.063) | -0.021\*\* (-0.040, -0.002) | 0.001 (-0.018, 0.020) |
| Asthma | 0.024 (-0.022, 0.069) | -0.005 (-0.045, 0.036) | -0.016 (-0.035, 0.003) | -0.003 (-0.026, 0.019) |
| Diabetes | 0.039\* (-0.003, 0.080) | -0.026 (-0.064, 0.011) | -0.003 (-0.024, 0.018) | -0.009 (-0.026, 0.007) |
| Heart | 0.034 (-0.029, 0.098) | -0.071\*\*\* (-0.120, -0.022) | 0.014 (-0.031, 0.060) | 0.023 (-0.011, 0.057) |
| Arthritis | -0.008 (-0.074, 0.057) | -0.020 (-0.078, 0.039) | -0.011 (-0.035, 0.014) | 0.039\* (-0.004, 0.082) |
| High BP | 0.017 (-0.021, 0.055) | -0.011 (-0.047, 0.025) | 0.005 (-0.015, 0.025) | -0.012 (-0.026, 0.003) |
| Other Condition | -0.023 (-0.070, 0.024) | 0.001 (-0.045, 0.047) | 0.023 (-0.009, 0.055) | -0.001 (-0.022, 0.020) |
| Smk occ. (daily) | 0.028 (-0.033, 0.089) | 0.011 (-0.041, 0.064) | -0.017 (-0.043, 0.009) | -0.023 (-0.050, 0.005) |
| Smk never (occ.) | -0.021 (-0.079, 0.036) | -0.017 (-0.069, 0.036) | 0.027\*\* (0.002, 0.052) | 0.011 (-0.013, 0.035) |
| Smk never (daily) | 0.007 (-0.026, 0.039) | -0.005 (-0.033, 0.023) | 0.010 (-0.006, 0.026) | -0.011 (-0.029, 0.006) |
| Alc occ. (daily) | 0.035 (-0.026, 0.097) | -0.039 (-0.097, 0.019) | -0.007 (-0.043, 0.029) | 0.010 (-0.021, 0.041) |
| Alc none (occ.) | 0.044\*\* (0.003, 0.085) | -0.020 (-0.057, 0.016) | -0.025\*\*\* (-0.041, -0.008) | 0.001 (-0.016, 0.018) |
| Alc none (daily) | 0.079\*\* (0.010, 0.148) | -0.059\* (-0.123, 0.005) | -0.031 (-0.068, 0.006) | 0.011 (-0.022, 0.045) |
| Mod. active vs active | 0.018 (-0.022, 0.057) | 0.002 (-0.033, 0.037) | -0.003 (-0.022, 0.015) | -0.016 (-0.037, 0.004) |
| Inactive vs mod. active | -0.044\*\* (-0.079, -0.009) | 0.010 (-0.021, 0.040) | 0.020\*\* (0.003, 0.037) | 0.014\* (0.000, 0.029) |
| Inactive vs active | -0.027 (-0.063, 0.010) | 0.012 (-0.019, 0.043) | 0.017\* (-0.002, 0.035) | -0.002 (-0.023, 0.019) |

## Table A5 - Multinomial Logit Marginal Effects with Confidence Intervals (2005)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Main | system | personal | both | other |
| ***Predisposing Characteristics*** |  |  |  |  |
| Female | 0.026\* (-0.005, 0.057) | -0.043\*\*\* (-0.065, -0.021) | -0.010 (-0.023, 0.002) | 0.027\*\* (0.002, 0.052) |
| Age | 0.025\*\* (0.006, 0.045) | -0.033\*\*\* (-0.046, -0.020) | -0.006\* (-0.013, 0.001) | 0.014 (-0.003, 0.031) |
| MS marries | 0.053\*\*\* (0.014, 0.093) | -0.043\*\*\* (-0.072, -0.014) | 0.001 (-0.015, 0.016) | -0.011 (-0.042, 0.021) |
| MS widowed | 0.001 (-0.073, 0.074) | -0.006 (-0.064, 0.053) | -0.006 (-0.045, 0.033) | 0.011 (-0.048, 0.071) |
| MS sep./div. | 0.057\*\* (0.006, 0.107) | -0.046\*\* (-0.086, -0.006) | 0.008 (-0.015, 0.030) | -0.018 (-0.055, 0.019) |
| HH size | -0.009 (-0.028, 0.011) | 0.002 (-0.013, 0.018) | 0.000 (-0.006, 0.007) | 0.006 (-0.008, 0.020) |
| Immigrant 0-5 years | 0.052\*\* (0.001, 0.102) | -0.033 (-0.073, 0.008) | 0.006 (-0.017, 0.030) | -0.025 (-0.066, 0.016) |
| Immigrant 5-10 years | -0.001 (-0.120, 0.118) | 0.040 (-0.067, 0.148) | 0.001 (-0.101, 0.103) | -0.041 (-0.126, 0.045) |
| Immigrant 10-15 years | 0.028 (-0.074, 0.129) | -0.032 (-0.100, 0.037) | 0.006 (-0.046, 0.058) | -0.002 (-0.080, 0.076) |
| Immigrant 15-20 years | 0.092\* (-0.005, 0.188) | -0.055 (-0.121, 0.012) | 0.030 (-0.017, 0.078) | -0.067\* (-0.138, 0.003) |
| Immigrant 20+ years | -0.066 (-0.171, 0.039) | -0.063\*\* (-0.126, 0.000) | -0.009 (-0.050, 0.032) | 0.138\*\* (0.030, 0.246) |
| Sec. (no sec.) | 0.025 (-0.026, 0.076) | -0.006 (-0.044, 0.032) | -0.023\* (-0.046, 0.001) | 0.004 (-0.039, 0.046) |
| Some post-sec. (sec.) | -0.058\* (-0.118, 0.003) | 0.009 (-0.033, 0.051) | 0.032\*\* (0.006, 0.057) | 0.017 (-0.035, 0.069) |
| Post-sec. (some post-sec) | 0.074\*\*\* (0.024, 0.124) | -0.028 (-0.064, 0.009) | -0.019 (-0.044, 0.006) | -0.027 (-0.070, 0.015) |
| Ethnicity - Other minority | 0.052\* (-0.006, 0.110) | -0.032 (-0.074, 0.009) | 0.016 (-0.009, 0.040) | -0.035 (-0.082, 0.012) |
| Ethnicity - Aboriginal | 0.045 (-0.017, 0.107) | -0.004 (-0.050, 0.042) | -0.015 (-0.037, 0.006) | -0.026 (-0.074, 0.022) |
| Belong SS (VS) | 0.012 (-0.025, 0.050) | -0.018 (-0.051, 0.015) | 0.010 (-0.006, 0.026) | -0.004 (-0.034, 0.026) |
| Belong SW (SS) | -0.010 (-0.043, 0.024) | 0.004 (-0.020, 0.027) | 0.001 (-0.013, 0.016) | 0.005 (-0.023, 0.032) |
| Belong VW (SW) | -0.033 (-0.077, 0.012) | -0.002 (-0.035, 0.031) | -0.001 (-0.019, 0.017) | 0.035\* (-0.004, 0.075) |
| ***Enabling Resources*** |  |  |  |  |
| Doctor | 0.037\*\* (0.004, 0.070) | 0.009 (-0.018, 0.036) | -0.020\*\*\* (-0.028, -0.011) | -0.026\*\* (-0.051, -0.001) |
| Physician Density | 0.023\* (-0.001, 0.047) | -0.010 (-0.028, 0.008) | -0.005 (-0.015, 0.005) | -0.008 (-0.027, 0.011) |
| Specialist Density | -0.019 (-0.043, 0.005) | 0.006 (-0.012, 0.025) | 0.002 (-0.010, 0.013) | 0.011 (-0.010, 0.031) |
| HH inc increase 5k-10k | -0.111 (-0.251, 0.029) | 0.058 (-0.046, 0.163) | 0.021 (-0.041, 0.082) | 0.032 (-0.073, 0.137) |
| HH inc increase 10k-15k | -0.028 (-0.115, 0.060) | -0.001 (-0.063, 0.062) | -0.022 (-0.068, 0.024) | 0.051 (-0.020, 0.121) |
| HH inc increase 15k-20k | 0.069\* (-0.008, 0.146) | -0.004 (-0.059, 0.051) | -0.008 (-0.036, 0.020) | -0.057\* (-0.120, 0.005) |
| HH inc increase 20k-30k | -0.006 (-0.071, 0.058) | 0.003 (-0.044, 0.050) | 0.010 (-0.020, 0.040) | -0.007 (-0.056, 0.041) |
| HH inc increase 30k-40k | -0.038 (-0.093, 0.018) | 0.029 (-0.012, 0.070) | 0.010 (-0.018, 0.037) | -0.001 (-0.045, 0.042) |
| HH inc increase 40k-50k | 0.005 (-0.051, 0.061) | -0.031 (-0.072, 0.010) | -0.004 (-0.030, 0.022) | 0.030 (-0.018, 0.077) |
| HH inc increase 50k-60k | 0.021 (-0.040, 0.081) | 0.012 (-0.029, 0.053) | 0.005 (-0.024, 0.034) | -0.038 (-0.088, 0.013) |
| HH inc increase 60k-80k | -0.019 (-0.073, 0.035) | 0.006 (-0.034, 0.045) | -0.007 (-0.033, 0.019) | 0.021 (-0.024, 0.066) |
| HH inc increase 80k + | -0.002 (-0.046, 0.042) | 0.011 (-0.023, 0.044) | -0.010 (-0.028, 0.007) | 0.002 (-0.035, 0.038) |
| Rural | -0.019 (-0.053, 0.016) | 0.001 (-0.027, 0.029) | 0.002 (-0.015, 0.019) | 0.015 (-0.015, 0.046) |
| Province – NL | -0.048 (-0.134, 0.038) | 0.045 (-0.018, 0.108) | 0.018 (-0.021, 0.057) | -0.016 (-0.091, 0.059) |
| Province – PEI | 0.117\*\* (0.026, 0.208) | -0.061\* (-0.125, 0.003) | 0.000 (-0.036, 0.035) | -0.056 (-0.131, 0.019) |
| Province – NS | 0.040 (-0.029, 0.108) | -0.017 (-0.070, 0.036) | 0.018 (-0.016, 0.053) | -0.041 (-0.094, 0.012) |
| Province – NB | -0.020 (-0.089, 0.049) | 0.014 (-0.038, 0.066) | 0.011 (-0.020, 0.041) | -0.005 (-0.064, 0.054) |
| Province – QC | 0.031 (-0.009, 0.072) | -0.004 (-0.033, 0.025) | 0.012 (-0.006, 0.030) | -0.039\*\* (-0.072, -0.006) |
| Province – MB | -0.001 (-0.067, 0.065) | 0.047 (-0.014, 0.107) | 0.008 (-0.027, 0.042) | -0.054\*\* (-0.098, -0.009) |
| Province – SK | -0.118\*\*\* (-0.184, -0.052) | 0.089\*\*\* (0.034, 0.145) | -0.003 (-0.040, 0.035) | 0.031 (-0.030, 0.093) |
| Province – AB | -0.042 (-0.096, 0.012) | 0.024 (-0.019, 0.066) | 0.013 (-0.008, 0.034) | 0.005 (-0.043, 0.053) |
| Province – BC | -0.037 (-0.091, 0.018) | 0.034 (-0.010, 0.079) | 0.011 (-0.009, 0.031) | -0.008 (-0.053, 0.037) |
| **Need** |  |  |  |  |
| HS fair (poor) | 0.007 (-0.051, 0.065) | 0.021 (-0.022, 0.064) | 0.000 (-0.029, 0.030) | -0.028 (-0.077, 0.021) |
| HS good (fair) | -0.003 (-0.042, 0.035) | 0.018 (-0.013, 0.049) | -0.007 (-0.026, 0.013) | -0.008 (-0.042, 0.025) |
| HS vgood (good) | 0.008 (-0.026, 0.043) | 0.011 (-0.016, 0.037) | 0.004 (-0.010, 0.018) | -0.023 (-0.053, 0.007) |
| Asthma | -0.027 (-0.070, 0.017) | 0.025 (-0.010, 0.060) | -0.009 (-0.028, 0.010) | 0.011 (-0.025, 0.047) |
| Diabetes | 0.006 (-0.035, 0.047) | -0.006 (-0.036, 0.024) | 0.024\* (-0.001, 0.050) | -0.025 (-0.054, 0.005) |
| Heart | 0.011 (-0.054, 0.075) | -0.034 (-0.079, 0.011) | 0.025 (-0.015, 0.064) | -0.002 (-0.051, 0.048) |
| Arthritis | -0.001 (-0.062, 0.059) | -0.036\* (-0.078, 0.007) | 0.006 (-0.026, 0.038) | 0.031 (-0.021, 0.084) |
| High BP | 0.028 (-0.010, 0.065) | -0.016 (-0.044, 0.013) | -0.001 (-0.018, 0.016) | -0.011 (-0.041, 0.018) |
| Other Condition | 0.066\*\*\* (0.027, 0.105) | -0.017 (-0.048, 0.015) | -0.017\*\* (-0.029, -0.004) | -0.033\*\* (-0.063, -0.002) |
| Smk occ. (daily) | 0.013 (-0.043, 0.068) | -0.019 (-0.062, 0.024) | 0.010 (-0.018, 0.037) | -0.004 (-0.047, 0.040) |
| Smk never (occ.) | -0.019 (-0.073, 0.034) | 0.015 (-0.026, 0.057) | -0.009 (-0.037, 0.020) | 0.013 (-0.028, 0.054) |
| Smk never (daily) | -0.007 (-0.038, 0.025) | -0.004 (-0.029, 0.022) | 0.001 (-0.011, 0.013) | 0.009 (-0.015, 0.034) |
| Alc occ. (daily) | 0.062\*\* (0.007, 0.117) | -0.037 (-0.086, 0.012) | 0.004 (-0.019, 0.027) | -0.029 (-0.079, 0.021) |
| Alc none (occ.) | -0.006 (-0.050, 0.038) | -0.028\* (-0.058, 0.001) | 0.001 (-0.017, 0.019) | 0.034 (-0.007, 0.075) |
| Alc none (daily) | 0.056\* (-0.007, 0.119) | -0.065\*\* (-0.121, -0.010) | 0.005 (-0.022, 0.032) | 0.005 (-0.059, 0.068) |
| Mod. active vs active | 0.011 (-0.030, 0.051) | -0.001 (-0.028, 0.027) | -0.002 (-0.018, 0.015) | -0.009 (-0.043, 0.026) |
| Inactive vs mod. active | -0.046\*\*\* (-0.080, -0.012) | 0.038\*\*\* (0.013, 0.063) | 0.004 (-0.010, 0.018) | 0.004 (-0.026, 0.033) |
| Inactive vs active | -0.035\* (-0.070, 0.000) | 0.038\*\*\* (0.012, 0.063) | 0.002 (-0.011, 0.016) | -0.005 (-0.036, 0.026) |

## Table A6 - Multinomial Logit Marginal Effects with Confidence Intervals (2010)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Main | system | personal | both | other |
| ***Predisposing Characteristics*** |  |  |  |  |
| Female | 0.040\* (-0.006, 0.085) | -0.040\*\* (-0.071, -0.009) | -0.009 (-0.027, 0.009) | 0.010 (-0.025, 0.044) |
| Age | 0.032\*\* (0.001, 0.062) | -0.026\*\*\* (-0.043, -0.009) | -0.013\*\* (-0.024, -0.003) | 0.008 (-0.019, 0.034) |
| MS marries | 0.060\* (-0.001, 0.121) | -0.021 (-0.064, 0.022) | -0.011 (-0.034, 0.012) | -0.028 (-0.075, 0.020) |
| MS widowed | -0.064 (-0.190, 0.062) | 0.058 (-0.047, 0.162) | -0.002 (-0.054, 0.051) | 0.008 (-0.104, 0.121) |
| MS sep./div. | -0.021 (-0.105, 0.063) | 0.036 (-0.034, 0.105) | 0.013 (-0.025, 0.052) | -0.028 (-0.084, 0.028) |
| HH size | 0.015 (-0.015, 0.045) | -0.009 (-0.029, 0.011) | -0.008 (-0.018, 0.002) | 0.002 (-0.022, 0.026) |
| Immigrant 0-5 years | 0.025 (-0.069, 0.119) | -0.061\*\* (-0.117, -0.004) | 0.003 (-0.029, 0.036) | 0.032 (-0.047, 0.112) |
| Immigrant 5-10 years | -0.059 (-0.309, 0.191) | -0.002 (-0.162, 0.157) | -0.050\*\*\* (-0.074, -0.027) | 0.112 (-0.146, 0.370) |
| Immigrant 10-15 years | 0.041 (-0.439, 0.522) | -0.055 (-0.166, 0.056) | 0.038 (-0.183, 0.259) | -0.025 (-0.484, 0.435) |
| Immigrant 15-20 years | -0.002 (-0.196, 0.193) | -0.066 (-0.146, 0.014) | -0.021 (-0.148, 0.106) | 0.089 (-0.073, 0.250) |
| Immigrant 20+ years | 0.118 (-0.089, 0.324) | -0.080 (-0.213, 0.053) | -0.041 (-0.156, 0.075) | 0.003 (-0.154, 0.160) |
| Sec. (no sec.) | 0.029 (-0.063, 0.121) | 0.002 (-0.060, 0.064) | -0.002 (-0.043, 0.039) | -0.029 (-0.101, 0.043) |
| Some post-sec. (sec.) | 0.031 (-0.067, 0.129) | -0.009 (-0.079, 0.062) | -0.012 (-0.050, 0.025) | -0.010 (-0.085, 0.065) |
| Post-sec. (some post-sec) | -0.026 (-0.104, 0.051) | 0.010 (-0.044, 0.064) | 0.012 (-0.015, 0.039) | 0.004 (-0.056, 0.064) |
| Ethnicity - Other minority | 0.072 (-0.028, 0.172) | -0.011 (-0.085, 0.063) | 0.026 (-0.013, 0.066) | -0.088\*\*\* (-0.146, -0.029) |
| Ethnicity - Aboriginal | -0.010 (-0.128, 0.108) | 0.080 (-0.039, 0.198) | 0.005 (-0.048, 0.058) | -0.075\*\*\* (-0.128, -0.022) |
| Belong SS (VS) | 0.027 (-0.042, 0.095) | -0.051 (-0.113, 0.011) | 0.012 (-0.015, 0.039) | 0.012 (-0.038, 0.063) |
| Belong SW (SS) | 0.032 (-0.021, 0.085) | 0.001 (-0.035, 0.037) | -0.004 (-0.027, 0.018) | -0.028 (-0.067, 0.011) |
| Belong VW (SW) | -0.015 (-0.089, 0.060) | -0.033 (-0.077, 0.011) | 0.004 (-0.024, 0.032) | 0.044 (-0.019, 0.106) |
| ***Enabling Resources*** |  |  |  |  |
| Doctor | -0.057\* (-0.117, 0.002) | 0.031 (-0.015, 0.077) | -0.019\*\*\* (-0.033, -0.005) | 0.044\* (-0.008, 0.097) |
| Physician Density | 0.025 (-0.011, 0.061) | 0.025\* (-0.001, 0.052) | -0.005 (-0.017, 0.008) | -0.045\*\*\* (-0.072, -0.018) |
| Specialist Density | -0.019 (-0.061, 0.023) | -0.021\* (-0.043, 0.002) | 0.007 (-0.012, 0.026) | 0.033 (-0.007, 0.073) |
| HH inc increase 5k-10k | -0.025 (-0.415, 0.366) | 0.069 (-0.188, 0.327) | 0.036 (-0.164, 0.235) | -0.080 (-0.409, 0.248) |
| HH inc increase 10k-15k | 0.061 (-0.091, 0.212) | -0.036 (-0.125, 0.052) | -0.025 (-0.109, 0.059) | 0.001 (-0.116, 0.119) |
| HH inc increase 15k-20k | -0.075 (-0.182, 0.032) | 0.080\* (-0.004, 0.164) | 0.002 (-0.028, 0.031) | -0.007 (-0.094, 0.081) |
| HH inc increase 20k-30k | 0.042 (-0.061, 0.145) | -0.037 (-0.123, 0.048) | 0.010 (-0.021, 0.042) | -0.015 (-0.102, 0.073) |
| HH inc increase 30k-40k | -0.008 (-0.091, 0.075) | 0.008 (-0.050, 0.066) | 0.019 (-0.022, 0.060) | -0.019 (-0.078, 0.040) |
| HH inc increase 40k-50k | -0.011 (-0.104, 0.082) | -0.007 (-0.078, 0.065) | -0.004 (-0.055, 0.047) | 0.021 (-0.041, 0.083) |
| HH inc increase 50k-60k | -0.070 (-0.180, 0.041) | 0.039 (-0.046, 0.124) | 0.001 (-0.049, 0.051) | 0.029 (-0.058, 0.117) |
| HH inc increase 60k-80k | -0.037 (-0.147, 0.072) | 0.024 (-0.065, 0.113) | 0.006 (-0.036, 0.048) | 0.007 (-0.082, 0.097) |
| HH inc increase 80k + | 0.080\*\* (0.010, 0.151) | -0.060\*\* (-0.118, -0.002) | -0.008 (-0.040, 0.024) | -0.012 (-0.068, 0.044) |
| Rural | 0.008 (-0.044, 0.059) | 0.012 (-0.029, 0.054) | 0.026 (-0.006, 0.058) | -0.046\*\*\* (-0.077, -0.015) |
| Province – NL | -0.018 (-0.134, 0.097) | 0.014 (-0.073, 0.101) | -0.005 (-0.068, 0.057) | 0.010 (-0.068, 0.087) |
| Province – PEI | 0.137 (-0.106, 0.379) | -0.112\* (-0.230, 0.006) | -0.028 (-0.284, 0.227) | 0.004 (-0.101, 0.109) |
| Province – NS | -0.178\*\* (-0.345, -0.012) | 0.024 (-0.079, 0.127) | -0.017 (-0.239, 0.204) | 0.172\*\* (0.025, 0.319) |
| Province – NB | -0.030 (-0.173, 0.112) | -0.077\*\*\* (-0.133, -0.021) | 0.015 (-0.150, 0.181) | 0.092 (-0.029, 0.213) |
| Province – QC | 0.039 (-0.023, 0.100) | -0.041\* (-0.085, 0.002) | -0.013 (-0.039, 0.013) | 0.015 (-0.033, 0.064) |
| Province – MB | 0.028 (-0.072, 0.127) | -0.017 (-0.085, 0.052) | -0.039\*\*\* (-0.067, -0.011) | 0.028 (-0.058, 0.113) |
| Province – SK | -0.016 (-0.118, 0.086) | -0.050 (-0.114, 0.014) | -0.034\* (-0.070, 0.002) | 0.100\*\* (0.013, 0.188) |
| Province – AB | 0.000 (-0.081, 0.082) | -0.022 (-0.081, 0.038) | -0.008 (-0.045, 0.029) | 0.030 (-0.029, 0.088) |
| Province – BC | -0.034 (-0.125, 0.056) | 0.000 (-0.062, 0.061) | -0.029\* (-0.059, 0.002) | 0.063 (-0.013, 0.140) |
| ***Need*** |  |  |  |  |
| HS fair (poor) | -0.034 (-0.134, 0.066) | 0.007 (-0.050, 0.063) | 0.021 (-0.022, 0.064) | 0.006 (-0.079, 0.091) |
| HS good (fair) | 0.046 (-0.028, 0.120) | 0.021 (-0.018, 0.060) | -0.023 (-0.057, 0.012) | -0.045 (-0.106, 0.017) |
| HS vgood (good) | -0.036 (-0.092, 0.020) | 0.025 (-0.017, 0.066) | -0.013 (-0.034, 0.009) | 0.024 (-0.020, 0.069) |
| Asthma | 0.027 (-0.051, 0.104) | -0.011 (-0.062, 0.041) | 0.018 (-0.015, 0.051) | -0.034 (-0.091, 0.023) |
| Diabetes | 0.041 (-0.024, 0.105) | 0.008 (-0.040, 0.056) | -0.009 (-0.032, 0.015) | -0.040\* (-0.081, 0.001) |
| Heart | 0.050 (-0.031, 0.132) | -0.026 (-0.081, 0.029) | -0.002 (-0.031, 0.028) | -0.022 (-0.082, 0.037) |
| Arthritis | -0.041 (-0.132, 0.050) | -0.025 (-0.072, 0.023) | 0.039 (-0.018, 0.095) | 0.027 (-0.044, 0.098) |
| High BP | 0.049 (-0.010, 0.108) | -0.014 (-0.056, 0.028) | -0.014 (-0.032, 0.004) | -0.021 (-0.060, 0.019) |
| Other Condition | 0.017 (-0.048, 0.083) | -0.015 (-0.061, 0.030) | -0.007 (-0.026, 0.012) | 0.005 (-0.044, 0.054) |
| Smk occ. (daily) | -0.010 (-0.110, 0.091) | 0.022 (-0.040, 0.083) | 0.017 (-0.033, 0.066) | -0.028 (-0.113, 0.056) |
| Smk never (occ.) | 0.023 (-0.076, 0.122) | 0.005 (-0.057, 0.067) | -0.015 (-0.061, 0.030) | -0.012 (-0.092, 0.067) |
| Smk never (daily) | 0.013 (-0.046, 0.072) | 0.027 (-0.006, 0.059) | 0.002 (-0.021, 0.024) | -0.041 (-0.094, 0.012) |
| Alc occ. (daily) | -0.002 (-0.095, 0.090) | -0.010 (-0.080, 0.061) | -0.002 (-0.045, 0.041) | 0.014 (-0.046, 0.074) |
| Alc none (occ.) | 0.004 (-0.053, 0.061) | -0.031\* (-0.065, 0.002) | 0.007 (-0.025, 0.038) | 0.021 (-0.026, 0.067) |
| Alc none (daily) | 0.002 (-0.102, 0.105) | -0.041 (-0.115, 0.034) | 0.004 (-0.046, 0.055) | 0.035 (-0.036, 0.106) |
| Mod. active vs active | 0.007 (-0.055, 0.069) | -0.016 (-0.053, 0.021) | 0.011 (-0.011, 0.032) | -0.001 (-0.051, 0.048) |
| Inactive vs mod. active | -0.041 (-0.093, 0.011) | 0.029 (-0.008, 0.065) | 0.009 (-0.014, 0.032) | 0.004 (-0.036, 0.043) |
| Inactive vs active | -0.034 (-0.091, 0.023) | 0.013 (-0.025, 0.050) | 0.019 (-0.004, 0.042) | 0.002 (-0.043, 0.047) |

## Table A7 - Multinomial Logit Marginal Effects with Confidence Intervals (2014)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Main | system | personal | both | other |  |
| ***Predisposing Characteristics*** |  |  |  |  |  |
| Female | 0.019 (-0.031, 0.069) | -0.028 (-0.070, 0.013) | 0.000 (-0.024, 0.023) | 0.010 (-0.025, 0.044) | |
| Age | 0.030\* (-0.004, 0.064) | -0.042\*\*\* (-0.065, -0.019) | 0.002 (-0.014, 0.018) | 0.010 (-0.017, 0.037) | |
| MS marries | -0.027 (-0.088, 0.034) | 0.033 (-0.017, 0.083) | 0.011 (-0.016, 0.038) | -0.017 (-0.064, 0.030) | |
| MS widowed | -0.061 (-0.188, 0.068) | 0.019 (-0.066, 0.105) | -0.019 (-0.057, 0.019) | 0.060 (-0.052, 0.172) | |
| MS sep./div. | -0.012 (-0.094, 0.070) | 0.011 (-0.048, 0.071) | 0.011 (-0.031, 0.053) | -0.010 (-0.066, 0.047) | |
| HH size | 0.015 (-0.013, 0.044) | -0.005 (-0.024, 0.015) | 0.001 (-0.012, 0.015) | -0.012 (-0.035, 0.011) | |
| Immigrant 0-5 years | -0.030 (-0.123, 0.063) | 0.009 (-0.066, 0.085) | 0.042 (-0.013, 0.097) | -0.021 (-0.087, 0.045) | |
| Immigrant 5-10 years | -0.052 (-0.778, 0.674) | -0.076 (-0.240, 0.088) | 0.061 (-0.529, 0.652) | 0.067 (-0.814, 0.947) | |
| Immigrant 10-15 years | 0.014 (-0.192, 0.221) | -0.017 (-0.167, 0.133) | 0.115 (-0.067, 0.298) | -0.113\* (-0.228, 0.002) | |
| Immigrant 15-20 years | -0.051 (-0.242, 0.140) | -0.113\*\*\* (-0.192, -0.033) | 0.059 (-0.053, 0.171) | 0.105 (-0.060, 0.270) | |
| Immigrant 20+ years | 0.003 (-0.223, 0.229) | -0.129\*\*\* (-0.191, -0.067) | 0.086 (-0.160, 0.333) | 0.040 (-0.113, 0.193) | |
| Sec. (no sec.) | 0.003 (-0.223, 0.229) | -0.129\*\*\* (-0.191, -0.067) | 0.086 (-0.160, 0.333) | 0.040 (-0.113, 0.193) | |
| Some post-sec. (sec.) | -0.044 (-0.133, 0.046) | 0.007 (-0.056, 0.070) | 0.008 (-0.039, 0.055) | 0.028 (-0.039, 0.095) | |
| Post-sec. (some post-sec) | -0.003 (-0.121, 0.116) | 0.082 (-0.022, 0.185) | -0.048 (-0.125, 0.029) | -0.031 (-0.108, 0.046) | |
| Ethnicity - Other minority | 0.041 (-0.045, 0.127) | 0.027 (-0.045, 0.099) | -0.015 (-0.051, 0.021) | -0.054\* (-0.115, 0.008) | |
| Ethnicity - Aboriginal | -0.057 (-0.174, 0.059) | -0.034 (-0.094, 0.027) | 0.007 (-0.076, 0.090) | 0.084 (-0.024, 0.192) | |
| Belong SS (VS) | -0.054 (-0.122, 0.014) | 0.064\*\* (0.015, 0.113) | 0.037\*\* (0.008, 0.067) | -0.048\* (-0.100, 0.005) | |
| Belong SW (SS) | -0.012 (-0.066, 0.042) | -0.018 (-0.066, 0.029) | -0.016 (-0.042, 0.011) | 0.046\*\* (0.006, 0.085) | |
| Belong VW (SW) | 0.000 (-0.080, 0.080) | -0.038 (-0.096, 0.019) | 0.017 (-0.018, 0.051) | 0.022 (-0.038, 0.082) | |
| ***Enabling Resources*** |  |  |  |  |  |
| Doctor | -0.001 (-0.060, 0.058) | -0.009 (-0.053, 0.035) | -0.024\*\*\* (-0.041, -0.007) | 0.034 (-0.018, 0.086) | |
| Physician Density | -0.021 (-0.058, 0.016) | 0.001 (-0.025, 0.026) | 0.000 (-0.017, 0.017) | 0.021 (-0.008, 0.050) | |
| Specialist Density | -0.006 (-0.047, 0.036) | 0.003 (-0.026, 0.032) | 0.005 (-0.014, 0.023) | -0.002 (-0.032, 0.029) | |
| HH inc increase 5k-10k | 0.043 (-0.350, 0.436) | 0.106 (-0.263, 0.475) | -0.082 (-0.403, 0.238) | -0.067 (-0.316, 0.183) | |
| HH inc increase 10k-15k | -0.009 (-0.246, 0.228) | 0.050 (-0.132, 0.232) | -0.087 (-0.211, 0.037) | 0.046 (-0.081, 0.173) | |
| HH inc increase 15k-20k | -0.039 (-0.219, 0.142) | 0.016 (-0.145, 0.177) | 0.077 (-0.026, 0.181) | -0.055 (-0.168, 0.059) | |
| HH inc increase 20k-30k | 0.078 (-0.055, 0.211) | -0.027 (-0.140, 0.086) | -0.068 (-0.170, 0.035) | 0.017 (-0.065, 0.098) | |
| HH inc increase 30k-40k | -0.006 (-0.122, 0.111) | -0.031 (-0.127, 0.064) | 0.040\* (-0.006, 0.087) | -0.003 (-0.071, 0.064) | |
| HH inc increase 40k-50k | 0.040 (-0.063, 0.143) | -0.024 (-0.096, 0.047) | -0.004 (-0.061, 0.053) | -0.012 (-0.075, 0.051) | |
| HH inc increase 50k-60k | -0.069 (-0.171, 0.033) | 0.035 (-0.042, 0.113) | 0.029 (-0.037, 0.095) | 0.005 (-0.063, 0.073) | |
| HH inc increase 60k-80k | 0.010 (-0.089, 0.110) | -0.020 (-0.095, 0.056) | -0.038 (-0.098, 0.022) | 0.048 (-0.030, 0.125) | |
| HH inc increase 80k + | -0.018 (-0.087, 0.050) | 0.021 (-0.027, 0.068) | -0.002 (-0.037, 0.034) | -0.001 (-0.057, 0.055) | |
| Rural | 0.056\*\* (0.002, 0.109) | -0.021 (-0.060, 0.018) | -0.005 (-0.031, 0.021) | -0.030 (-0.066, 0.007) | |
| Province – NL | 0.014 (-0.174, 0.201) | 0.101 (-0.025, 0.226) | -0.022 (-0.199, 0.154) | -0.092\*\* (-0.165, -0.019) | |
| Province – PEI | 0.013 (-0.187, 0.212) | 0.086 (-0.090, 0.261) | -0.021 (-0.154, 0.113) | -0.078 (-0.188, 0.032) | |
| Province – NS | -0.017 (-0.119, 0.086) | 0.065 (-0.032, 0.162) | -0.004 (-0.055, 0.047) | -0.044 (-0.104, 0.017) | |
| Province – NB | -0.064 (-0.191, 0.062) | 0.080 (-0.036, 0.196) | -0.011 (-0.056, 0.035) | -0.005 (-0.102, 0.092) | |
| Province – QC | 0.018 (-0.044, 0.079) | -0.003 (-0.052, 0.047) | 0.002 (-0.027, 0.030) | -0.017 (-0.066, 0.033) | |
| Province – MB | -0.058 (-0.179, 0.064) | 0.006 (-0.084, 0.096) | 0.002 (-0.066, 0.071) | 0.049 (-0.036, 0.135) | |
| Province – SK | -0.037 (-0.153, 0.080) | 0.035 (-0.057, 0.127) | -0.021 (-0.079, 0.037) | 0.022 (-0.064, 0.108) | |
| Province – AB | 0.023 (-0.075, 0.120) | 0.003 (-0.063, 0.069) | -0.019 (-0.058, 0.020) | -0.007 (-0.075, 0.061) | |
| Province – BC | 0.032 (-0.048, 0.110) | 0.010 (-0.047, 0.068) | 0.006 (-0.030, 0.042) | -0.047\* (-0.103, 0.009) | |
| ***Need*** |  |  |  |  |  |
| HS fair (poor) | -0.004 (-0.112, 0.104) | 0.029 (-0.056, 0.114) | 0.013 (-0.036, 0.062) | -0.038 (-0.108, 0.032) | |
| HS good (fair) | -0.016 (-0.093, 0.062) | 0.010 (-0.060, 0.080) | -0.004 (-0.040, 0.032) | 0.010 (-0.038, 0.058) | |
| HS vgood (good) | 0.002 (-0.060, 0.064) | 0.012 (-0.032, 0.056) | -0.003 (-0.032, 0.025) | -0.011 (-0.056, 0.034) | |
| Asthma | 0.020 (-0.055, 0.095) | -0.022 (-0.077, 0.033) | 0.011 (-0.028, 0.050) | -0.009 (-0.052, 0.034) | |
| Diabetes | -0.031 (-0.126, 0.065) | -0.006 (-0.074, 0.061) | 0.009 (-0.050, 0.068) | 0.028 (-0.035, 0.091) | |
| Heart | 0.074\* (-0.010, 0.158) | -0.056\* (-0.117, 0.004) | -0.003 (-0.056, 0.050) | -0.015 (-0.072, 0.043) | |
| Arthritis | 0.026 (-0.037, 0.088) | -0.013 (-0.065, 0.040) | 0.000 (-0.030, 0.030) | -0.013 (-0.055, 0.029) | |
| High BP | 0.019 (-0.045, 0.084) | 0.000 (-0.052, 0.052) | -0.018 (-0.045, 0.011) | -0.002 (-0.050, 0.047) | |
| Other Condition | 0.018 (-0.041, 0.076) | -0.027 (-0.066, 0.013) | 0.002 (-0.032, 0.036) | 0.007 (-0.039, 0.053) | |
| Smk occ. (daily) | -0.036 (-0.155, 0.082) | -0.084\*\* (-0.152, -0.017) | -0.001 (-0.066, 0.064) | 0.121\*\* (0.018, 0.225) | |
| Smk never (occ.) | 0.048 (-0.016, 0.112) | -0.031 (-0.079, 0.017) | -0.024 (-0.061, 0.013) | 0.006 (-0.036, 0.048) | |
| Smk never (daily) | 0.085 (-0.028, 0.197) | 0.054\* (-0.007, 0.114) | -0.023 (-0.084, 0.037) | -0.115\*\* (-0.216, -0.014) | |
| Alc occ. (daily) | 0.068 (-0.015, 0.150) | -0.067\* (-0.144, 0.010) | 0.008 (-0.032, 0.048) | -0.009 (-0.072, 0.055) | |
| Alc none (occ.) | 0.020 (-0.076, 0.115) | -0.065 (-0.152, 0.022) | -0.004 (-0.049, 0.040) | 0.050 (-0.028, 0.127) | |
| Alc none (daily) | -0.048 (-0.113, 0.017) | 0.002 (-0.047, 0.051) | -0.012 (-0.041, 0.017) | 0.058\*\* (0.001, 0.115) | |
| Mod. active vs active | 0.016 (-0.044, 0.075) | -0.035 (-0.079, 0.009) | -0.008 (-0.039, 0.024) | 0.027 (-0.019, 0.074) | |
| Inactive vs mod. active | -0.019 (-0.078, 0.040) | 0.012 (-0.037, 0.061) | -0.012 (-0.039, 0.016) | 0.019 (-0.021, 0.059) | |
| Inactive vs active | -0.035 (-0.096, 0.026) | 0.047\*\* (0.002, 0.092) | -0.004 (-0.032, 0.024) | -0.008 (-0.053, 0.037) | |

## Table A8 – Alternative Categorization of SUN Reasons for Sensitivity Analysis

|  |  |  |  |
| --- | --- | --- | --- |
| **Description** | **System Barriers** | **Personal Choice** | **Other** |
| Systems Barriers Limited to “Availability” (Chen and Hou 2002) | Not available in area  Not available when required  Waiting time too long | Felt would be inadequate  Too busy  Didn't get around to it  Decided not to seek care | Other  No reason stated  Cost of care  Doctor didn’t think necessary |
| Wait-Related System Barriers in Other (Allin et al. 2010) | Not available in area  Cost of care  Doctor didn’t think necessary | Felt would be inadequate  Too busy  Didn't get around to it  Decided not to seek care | Other  No reason stated  Not available when required  Waiting time too long |

## Table A9 – Sensitivity Analyses with Systems Barriers Limited to “Availability”

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | 2001 |  |  |  | 2003 |  |  |  | 2005 |  |  |  |
|  | system | personal | both | other | system | personal | both | other | system | personal | both | other |
| ***Predisposing Characteristics*** |  |  |  |  |  |  |  |  |  |  |  |  |
| Female | 0.024 (-0.019, 0.066) | -0.036 (-0.083, 0.012) | 0.013\* (-0.001, 0.027) | -0.001 (-0.074, 0.073) | 0.073\*\*\* (0.043, 0.103) | -0.086\*\*\* (-0.114, -0.057) | 0.014\* (-0.002, 0.030) | -0.001 (-0.012, 0.009) | 0.022 (-0.009, 0.052) | -0.031\*\* (-0.054, -0.007) | -0.005 (-0.019, 0.009) | 0.014 (-0.010, 0.037) |
| Age | 0.025\*\* (0.005, 0.045) | -0.018 (-0.042, 0.006) | -0.007 (-0.017, 0.003) | 0.000 (-0.027, 0.026) | 0.055\*\*\* (0.037, 0.072) | -0.042\*\*\* (-0.058, -0.025) | -0.012\*\* (-0.022, -0.003) | -0.001 (-0.006, 0.005) | 0.033\*\*\* (0.014, 0.052) | -0.039\*\*\* (-0.053, -0.026) | -0.009\*\* (-0.016, -0.001) | 0.015\* (-0.001, 0.031) |
| MS marries | 0.029 (-0.018, 0.076) | -0.039 (-0.096, 0.017) | 0.010 (-0.008, 0.028) | 0.000 (-0.064, 0.063) | 0.006 (-0.032, 0.044) | -0.023 (-0.058, 0.012) | 0.018\* (-0.001, 0.038) | -0.001 (-0.013, 0.012) | 0.045\*\* (0.006, 0.083) | -0.047\*\*\* (-0.077, -0.017) | 0.003 (-0.014, 0.021) | -0.001 (-0.030, 0.028) |
| MS widowed | 0.009 (-0.113, 0.130) | -0.027 (-0.140, 0.085) | 0.018 (-0.022, 0.058) | 0.001 (-0.189, 0.191) | -0.111\*\* (-0.196, -0.025) | 0.105\*\* (0.016, 0.195) | 0.012 (-0.033, 0.057) | -0.007 (-0.021, 0.008) | -0.004 (-0.080, 0.073) | 0.045 (-0.036, 0.126) | -0.016 (-0.051, 0.019) | -0.026 (-0.076, 0.024) |
| MS sep./div. | -0.002 (-0.056, 0.052) | -0.014 (-0.063, 0.036) | 0.016 (-0.007, 0.039) | 0.000 (-0.051, 0.051) | -0.002 (-0.054, 0.051) | -0.017 (-0.065, 0.030) | 0.022 (-0.008, 0.053) | -0.004 (-0.015, 0.008) | 0.064\*\*\* (0.016, 0.113) | -0.043\*\* (-0.085, -0.002) | 0.005 (-0.019, 0.029) | -0.026 (-0.058, 0.006) |
| HH size | -0.020 (-0.159, 0.119) | 0.025 (-0.054, 0.103) | -0.004 (-0.024, 0.017) | -0.001 (-0.234, 0.232) | -0.011 (-0.030, 0.008) | 0.011 (-0.007, 0.029) | 0.000 (-0.012, 0.011) | 0.000 (-0.004, 0.005) | -0.008 (-0.027, 0.012) | 0.006 (-0.011, 0.022) | 0.004 (-0.005, 0.012) | -0.002 (-0.015, 0.012) |
| Immigrant 0-5 years | -0.001 (-0.302, 0.300) | -0.007 (-0.187, 0.174) | 0.010 (-0.039, 0.058) | -0.002 (-0.510, 0.507) | -0.006 (-0.067, 0.055) | -0.010 (-0.066, 0.047) | 0.018 (-0.021, 0.058) | -0.003 (-0.018, 0.013) | 0.050\* (0.000, 0.100) | -0.027 (-0.070, 0.016) | -0.002 (-0.026, 0.021) | -0.020 (-0.057, 0.017) |
| Immigrant 5-10 years | -0.021 (-0.361, 0.320) | 0.031 (-0.199, 0.261) | -0.009 (-0.083, 0.065) | -0.002 (-0.500, 0.497) | -0.047 (-0.197, 0.104) | -0.008 (-0.142, 0.126) | 0.075 (-0.062, 0.211) | -0.020\*\*\* (-0.030, -0.010) | -0.008 (-0.117, 0.100) | 0.062 (-0.041, 0.164) | 0.004 (-0.054, 0.061) | -0.057 (-0.134, 0.021) |
| Immigrant 10-15 years | -0.130 (-0.393, 0.134) | 0.060 (-0.101, 0.222) | 0.070 (-0.022, 0.162) | -0.001 (-0.365, 0.363) | 0.028 (-0.109, 0.165) | -0.088\* (-0.181, 0.005) | 0.074 (-0.032, 0.180) | -0.014 (-0.126, 0.098) | 0.027 (-0.071, 0.125) | -0.031 (-0.103, 0.041) | 0.039 (-0.023, 0.101) | -0.035 (-0.103, 0.034) |
| Immigrant 15-20 years | 0.045 (-0.314, 0.403) | -0.051 (-0.279, 0.178) | 0.008 (-0.067, 0.083) | -0.002 (-0.600, 0.596) | 0.041 (-0.077, 0.159) | -0.126\*\*\* (-0.207, -0.045) | 0.103\*\* (0.009, 0.197) | -0.018 (-0.056, 0.020) | 0.101\*\* (0.006, 0.196) | -0.058\* (-0.127, 0.010) | 0.030 (-0.022, 0.082) | -0.072\*\* (-0.136, -0.008) |
| Immigrant 20+ years | 0.011 (-0.346, 0.368) | -0.018 (-0.267, 0.231) | 0.008 (-0.065, 0.082) | -0.002 (-0.600, 0.596) | 0.116\* (-0.017, 0.249) | -0.110\*\* (-0.206, -0.013) | 0.002 (-0.066, 0.070) | -0.009 (-0.123, 0.106) | -0.072 (-0.176, 0.032) | -0.034 (-0.106, 0.038) | -0.017 (-0.059, 0.025) | 0.123\*\* (0.017, 0.229) |
| Sec. (no sec.) | 0.008 (-0.410, 0.426) | -0.011 (-0.268, 0.245) | 0.002 (-0.053, 0.056) | 0.002 (-0.718, 0.721) | 0.002 (-0.050, 0.054) | -0.011 (-0.060, 0.038) | 0.002 (-0.023, 0.026) | 0.007 (-0.005, 0.020) | 0.028 (-0.022, 0.078) | -0.014 (-0.055, 0.026) | -0.021 (-0.047, 0.006) | 0.007 (-0.033, 0.047) |
| Some post-sec. (sec.) | -0.012 (-0.522, 0.498) | -0.001 (-0.313, 0.311) | 0.016 (-0.050, 0.082) | -0.003 (-0.881, 0.875) | 0.038 (-0.019, 0.095) | -0.047\* (-0.098, 0.004) | 0.017 (-0.016, 0.049) | -0.008 (-0.023, 0.007) | -0.046 (-0.107, 0.015) | 0.009 (-0.037, 0.054) | 0.017 (-0.011, 0.045) | 0.020 (-0.028, 0.069) |
| Post-sec. (some post-sec) | 0.001 (-0.192, 0.194) | -0.006 (-0.125, 0.113) | 0.004 (-0.037, 0.044) | 0.001 (-0.333, 0.335) | 0.018 (-0.030, 0.066) | -0.007 (-0.047, 0.033) | -0.016 (-0.046, 0.015) | 0.004 (-0.007, 0.016) | 0.064\*\* (0.015, 0.113) | -0.026 (-0.063, 0.012) | -0.014 (-0.039, 0.011) | -0.024 (-0.063, 0.015) |
| Ethnicity - Other minority | 0.036 (-0.219, 0.291) | -0.028 (-0.159, 0.104) | -0.009 (-0.050, 0.031) | 0.001 (-0.384, 0.386) | 0.026 (-0.039, 0.091) | -0.012 (-0.072, 0.048) | -0.021 (-0.052, 0.011) | 0.007 (-0.021, 0.035) | 0.064\*\* (0.007, 0.121) | -0.030 (-0.072, 0.013) | 0.009 (-0.017, 0.034) | -0.043\*\* (-0.084, -0.002) |
| Ethnicity - Aboriginal | -0.029 (-0.285, 0.227) | 0.007 (-0.162, 0.177) | 0.023 (-0.027, 0.073) | -0.002 (-0.433, 0.430) | -0.029 (-0.114, 0.057) | 0.020 (-0.058, 0.098) | 0.000 (-0.044, 0.045) | 0.008 (-0.014, 0.030) | 0.075\*\* (0.014, 0.136) | -0.010 (-0.058, 0.037) | -0.021\* (-0.045, 0.002) | -0.044\* (-0.088, 0.001) |
| Belong SS (VS) | -0.012 (-0.073, 0.049) | 0.014 (-0.032, 0.059) | -0.002 (-0.022, 0.019) | 0.000 (-0.080, 0.080) | -0.035\* (-0.076, 0.006) | 0.059\*\*\* (0.022, 0.097) | -0.019 (-0.041, 0.004) | -0.006 (-0.020, 0.008) | 0.027 (-0.011, 0.064) | -0.024 (-0.059, 0.011) | 0.005 (-0.014, 0.023) | -0.008 (-0.036, 0.021) |
| Belong SW (SS) | -0.022 (-0.197, 0.154) | 0.032 (-0.062, 0.127) | -0.010 (-0.041, 0.022) | -0.001 (-0.290, 0.288) | -0.037\*\* (-0.071, -0.003) | 0.021 (-0.011, 0.053) | 0.012 (-0.006, 0.029) | 0.004 (-0.007, 0.016) | -0.008 (-0.041, 0.025) | 0.006 (-0.020, 0.033) | 0.000 (-0.016, 0.016) | 0.001 (-0.024, 0.027) |
| Belong VW (SW) | -0.019 (-0.063, 0.025) | 0.017 (-0.025, 0.059) | 0.001 (-0.017, 0.019) | 0.000 (-0.036, 0.037) | 0.015 (-0.034, 0.063) | -0.035 (-0.077, 0.008) | 0.024 (-0.008, 0.056) | -0.005 (-0.017, 0.007) | -0.031 (-0.076, 0.014) | -0.017 (-0.050, 0.017) | 0.005 (-0.015, 0.025) | 0.043\*\* (0.004, 0.082) |
| ***Enabling Resources*** |  |  |  |  |  |  |  |  |  |  |  |  |
| Doctor | 0.030 (-0.072, 0.133) | -0.014 (-0.064, 0.037) | -0.020\*\*\* (-0.032, -0.007) | 0.003 (-0.132, 0.138) | 0.037\*\* (0.003, 0.072) | -0.007 (-0.040, 0.026) | -0.026\*\*\* (-0.040, -0.012) | -0.005 (-0.012, 0.002) | 0.050\*\*\* (0.017, 0.082) | 0.007 (-0.021, 0.034) | -0.027\*\*\* (-0.036, -0.017) | -0.030\*\*\* (-0.052, -0.008) |
| Physician Density | 0.016 (-0.174, 0.207) | -0.014 (-0.117, 0.089) | -0.003 (-0.028, 0.021) | 0.001 (-0.311, 0.313) | 0.005 (-0.021, 0.031) | 0.008 (-0.018, 0.033) | -0.006 (-0.018, 0.007) | -0.007\* (-0.016, 0.001) | 0.026\*\* (0.002, 0.050) | -0.013 (-0.032, 0.007) | -0.008 (-0.019, 0.003) | -0.006 (-0.024, 0.012) |
| Specialist Density | -0.037 (-0.104, 0.030) | 0.039\*\* (0.008, 0.071) | -0.002 (-0.015, 0.011) | 0.000 (-0.092, 0.092) | -0.032\*\* (-0.059, -0.006) | 0.016 (-0.010, 0.041) | 0.008 (-0.007, 0.022) | 0.009 (-0.006, 0.024) | -0.023\* (-0.047, 0.002) | 0.010 (-0.010, 0.030) | 0.010 (-0.004, 0.024) | 0.003 (-0.016, 0.021) |
| HH inc increase 5k-10k | -0.187 (-1.719, 1.346) | 0.203 (-0.197, 0.602) | -0.010 (-0.214, 0.194) | -0.006 (-2.113, 2.102) | 0.086 (-0.069, 0.241) | -0.027 (-0.171, 0.116) | -0.072 (-0.207, 0.063) | 0.013 (-0.017, 0.043) | -0.086 (-0.225, 0.052) | 0.073 (-0.038, 0.183) | -0.005 (-0.093, 0.083) | 0.019 (-0.074, 0.112) |
| HH inc increase 10k-15k | 0.040 (-0.186, 0.265) | -0.033 (-0.175, 0.110) | -0.007 (-0.046, 0.032) | 0.000 (-0.367, 0.368) | 0.012 (-0.081, 0.104) | -0.022 (-0.111, 0.067) | -0.005 (-0.056, 0.046) | 0.014 (-0.015, 0.044) | -0.023 (-0.111, 0.065) | -0.016 (-0.083, 0.050) | -0.018 (-0.071, 0.034) | 0.058\* (-0.011, 0.126) |
| HH inc increase 15k-20k | -0.006 (-0.229, 0.217) | 0.000 (-0.151, 0.150) | 0.007 (-0.036, 0.049) | -0.001 (-0.383, 0.382) | 0.036 (-0.044, 0.115) | -0.025 (-0.093, 0.044) | 0.009 (-0.040, 0.058) | -0.020 (-0.045, 0.005) | 0.062 (-0.014, 0.138) | 0.001 (-0.057, 0.060) | -0.017 (-0.054, 0.019) | -0.046 (-0.108, 0.016) |
| HH inc increase 20k-30k | -0.044 (-0.244, 0.156) | 0.056 (-0.110, 0.221) | -0.013 (-0.053, 0.027) | 0.001 (-0.377, 0.379) | -0.016 (-0.083, 0.052) | 0.002 (-0.060, 0.064) | 0.008 (-0.036, 0.051) | 0.006 (-0.008, 0.020) | -0.002 (-0.066, 0.062) | 0.002 (-0.049, 0.052) | 0.014 (-0.021, 0.050) | -0.014 (-0.062, 0.033) |
| HH inc increase 30k-40k | 0.017 (-0.036, 0.071) | -0.031 (-0.085, 0.023) | 0.015 (-0.011, 0.040) | 0.000 (-0.053, 0.052) | 0.006 (-0.051, 0.063) | 0.031 (-0.021, 0.083) | -0.035\* (-0.072, 0.001) | -0.002 (-0.016, 0.012) | -0.026 (-0.082, 0.030) | 0.029 (-0.014, 0.073) | 0.001 (-0.031, 0.033) | -0.004 (-0.045, 0.037) |
| HH inc increase 40k-50k | 0.008 (-0.118, 0.134) | -0.005 (-0.099, 0.089) | -0.003 (-0.036, 0.030) | 0.000 (-0.212, 0.211) | -0.033 (-0.093, 0.027) | 0.018 (-0.040, 0.075) | 0.018 (-0.013, 0.050) | -0.003 (-0.019, 0.013) | -0.006 (-0.061, 0.048) | -0.030 (-0.073, 0.014) | -0.008 (-0.035, 0.020) | 0.044\* (-0.001, 0.088) |
| HH inc increase 50k-60k | 0.006 (-0.458, 0.468) | -0.018 (-0.307, 0.271) | 0.006 (-0.077, 0.089) | 0.007 (-0.813, 0.826) | 0.027 (-0.038, 0.091) | -0.030 (-0.090, 0.029) | 0.001 (-0.036, 0.038) | 0.003 (-0.013, 0.018) | 0.024 (-0.036, 0.083) | 0.013 (-0.030, 0.055) | 0.007 (-0.025, 0.040) | -0.044\* (-0.091, 0.003) |
| HH inc increase 60k-80k | 0.030 (-0.206, 0.265) | -0.005 (-0.168, 0.158) | -0.019 (-0.076, 0.038) | -0.005 (-0.442, 0.432) | -0.003 (-0.062, 0.057) | 0.019 (-0.035, 0.073) | -0.013 (-0.046, 0.020) | -0.004 (-0.016, 0.009) | -0.017 (-0.070, 0.037) | 0.005 (-0.036, 0.047) | -0.010 (-0.040, 0.021) | 0.021 (-0.019, 0.062) |
| HH inc increase 80k + | -0.027 (-0.234, 0.180) | 0.031 (-0.090, 0.152) | -0.003 (-0.035, 0.029) | -0.001 (-0.342, 0.339) | -0.024 (-0.069, 0.020) | 0.020 (-0.021, 0.061) | -0.003 (-0.028, 0.023) | 0.007 (-0.007, 0.021) | -0.005 (-0.048, 0.039) | 0.011 (-0.024, 0.047) | -0.014 (-0.033, 0.005) | 0.008 (-0.027, 0.042) |
| Rural | -0.011 (-0.045, 0.023) | 0.004 (-0.029, 0.038) | 0.007 (-0.011, 0.026) | 0.000 (-0.041, 0.041) | -0.030 (-0.067, 0.006) | 0.034\* (-0.001, 0.068) | -0.002 (-0.022, 0.018) | -0.001 (-0.011, 0.008) | -0.005 (-0.040, 0.030) | 0.004 (-0.025, 0.034) | -0.002 (-0.019, 0.016) | 0.002 (-0.025, 0.029) |
| Province – NL | -0.035 (-0.516, 0.446) | 0.022 (-0.278, 0.323) | 0.015 (-0.063, 0.093) | -0.002 (-0.834, 0.829) | 0.019 (-0.083, 0.122) | -0.056 (-0.134, 0.023) | 0.046 (-0.016, 0.109) | -0.010 (-0.082, 0.062) | -0.039 (-0.124, 0.046) | 0.037 (-0.025, 0.100) | 0.010 (-0.029, 0.048) | -0.008 (-0.080, 0.064) |
| Province – PEI | 0.049 (-0.437, 0.535) | -0.036 (-0.333, 0.260) | -0.011 (-0.088, 0.067) | -0.002 (-0.834, 0.829) | -0.121 (-0.313, 0.071) | 0.085 (-0.095, 0.265) | 0.028 (-0.051, 0.107) | 0.008 (-0.286, 0.302) | 0.111\*\* (0.018, 0.203) | -0.072\*\* (-0.138, -0.006) | -0.004 (-0.042, 0.034) | -0.035 (-0.107, 0.037) |
| Province – NS | 0.041 (-0.441, 0.523) | -0.055 (-0.348, 0.238) | 0.017 (-0.056, 0.089) | -0.002 (-0.834, 0.829) | 0.021 (-0.064, 0.107) | -0.040 (-0.116, 0.037) | 0.030 (-0.014, 0.073) | -0.011 (-0.049, 0.027) | 0.022 (-0.046, 0.090) | -0.016 (-0.073, 0.040) | 0.034\* (-0.006, 0.074) | -0.039 (-0.089, 0.011) |
| Province – NB | -0.002 (-0.481, 0.477) | 0.039 (-0.257, 0.334) | -0.034 (-0.106, 0.038) | -0.002 (-0.834, 0.829) | 0.083\*\* (0.011, 0.154) | -0.089\*\*\* (-0.144, -0.035) | 0.013 (-0.034, 0.060) | -0.007 (-0.047, 0.034) | -0.009 (-0.078, 0.060) | 0.028 (-0.030, 0.086) | 0.006 (-0.025, 0.037) | -0.025 (-0.077, 0.028) |
| Province – QC | 0.054 (-0.427, 0.535) | -0.044 (-0.332, 0.245) | -0.008 (-0.078, 0.062) | -0.002 (-0.834, 0.829) | 0.038\* (-0.002, 0.079) | -0.050\*\* (-0.090, -0.009) | 0.018 (-0.006, 0.041) | -0.006 (-0.014, 0.002) | 0.023 (-0.017, 0.064) | -0.006 (-0.038, 0.026) | 0.014 (-0.005, 0.034) | -0.031\*\* (-0.062, 0.000) |
| Province – MB | -0.006 (-0.281, 0.269) | -0.012 (-0.173, 0.150) | 0.017 (-0.051, 0.085) | 0.001 (-0.481, 0.483) | -0.046 (-0.115, 0.024) | 0.015 (-0.048, 0.078) | 0.041\*\* (0.002, 0.080) | -0.010 (-0.043, 0.022) | -0.014 (-0.080, 0.052) | 0.035 (-0.025, 0.096) | 0.012 (-0.023, 0.047) | -0.034 (-0.077, 0.010) |
| Province – SK | -0.054 (-0.198, 0.089) | 0.063\* (-0.004, 0.129) | -0.008 (-0.041, 0.025) | 0.000 (-0.181, 0.182) | -0.130\*\*\* (-0.216, -0.044) | 0.088\*\* (0.008, 0.168) | 0.005 (-0.039, 0.049) | 0.037 (-0.008, 0.083) | -0.099\*\*\* (-0.165, -0.032) | 0.102\*\*\* (0.043, 0.160) | -0.010 (-0.047, 0.026) | 0.007 (-0.049, 0.063) |
| Province – AB | 0.007 (-0.316, 0.331) | -0.020 (-0.230, 0.190) | 0.012 (-0.035, 0.059) | 0.001 (-0.566, 0.567) | -0.048\* (-0.105, 0.009) | -0.018 (-0.070, 0.034) | 0.046\*\*\* (0.011, 0.080) | 0.021 (-0.010, 0.052) | -0.045 (-0.098, 0.009) | 0.032 (-0.014, 0.077) | 0.011 (-0.012, 0.034) | 0.002 (-0.043, 0.047) |
| Province – BC | -0.013 (-0.116, 0.091) | 0.033 (-0.031, 0.096) | -0.021 (-0.053, 0.011) | 0.001 (-0.158, 0.160) | -0.032 (-0.093, 0.029) | -0.011 (-0.066, 0.045) | 0.001 (-0.029, 0.030) | 0.041 (-0.018, 0.101) | -0.045 (-0.099, 0.009) | 0.023 (-0.023, 0.069) | 0.030\*\* (0.003, 0.057) | -0.007 (-0.050, 0.035) |
| ***Need*** |  |  |  |  |  |  |  |  |  |  |  |  |
| HS fair (poor) | 0.012 (-0.407, 0.432) | 0.001 (-0.249, 0.250) | -0.010 (-0.089, 0.069) | -0.003 (-0.738, 0.733) | -0.032 (-0.097, 0.033) | 0.026 (-0.033, 0.084) | 0.002 (-0.041, 0.045) | 0.004 (-0.011, 0.019) | 0.005 (-0.055, 0.065) | 0.021 (-0.028, 0.069) | -0.010 (-0.043, 0.023) | -0.015 (-0.061, 0.030) |
| HS good (fair) | -0.039 (-0.195, 0.117) | 0.039 (-0.043, 0.122) | 0.000 (-0.029, 0.029) | 0.000 (-0.247, 0.246) | 0.002 (-0.042, 0.047) | 0.012 (-0.031, 0.055) | -0.012 (-0.041, 0.016) | -0.002 (-0.014, 0.011) | -0.009 (-0.049, 0.032) | 0.014 (-0.020, 0.048) | -0.004 (-0.026, 0.018) | -0.001 (-0.033, 0.031) |
| HS vgood (good) | 0.005 (-0.099, 0.109) | 0.009 (-0.064, 0.082) | -0.015 (-0.034, 0.005) | 0.001 (-0.175, 0.177) | -0.005 (-0.041, 0.031) | 0.032\* (-0.002, 0.066) | -0.020\* (-0.040, 0.000) | -0.007 (-0.019, 0.006) | 0.014 (-0.021, 0.048) | -0.001 (-0.029, 0.026) | -0.003 (-0.019, 0.014) | -0.010 (-0.038, 0.018) |
| HS excellent (v. good) | 0.003 (-0.127, 0.133) | 0.004 (-0.089, 0.096) | -0.006 (-0.032, 0.020) | 0.000 (-0.224, 0.223) | 0.024 (-0.022, 0.069) | -0.010 (-0.052, 0.032) | -0.018\* (-0.039, 0.003) | 0.005 (-0.009, 0.018) | -0.023 (-0.066, 0.020) | 0.033\* (-0.002, 0.068) | -0.011 (-0.031, 0.009) | 0.001 (-0.033, 0.034) |
| Asthma | 0.014 (-0.273, 0.300) | -0.031 (-0.173, 0.112) | 0.013 (-0.042, 0.067) | 0.005 (-0.468, 0.477) | 0.047\*\* (0.006, 0.088) | -0.032 (-0.070, 0.006) | -0.013 (-0.034, 0.007) | -0.002 (-0.014, 0.010) | 0.016 (-0.025, 0.058) | -0.016 (-0.047, 0.016) | 0.023 (-0.005, 0.050) | -0.023\* (-0.051, 0.004) |
| Diabetes | -0.016 (-0.078, 0.045) | 0.016 (-0.045, 0.077) | 0.000 (-0.029, 0.029) | 0.001 (-0.046, 0.047) | 0.033 (-0.031, 0.097) | -0.036 (-0.093, 0.022) | -0.003 (-0.044, 0.039) | 0.005 (-0.011, 0.022) | 0.016 (-0.048, 0.080) | -0.037 (-0.084, 0.010) | 0.017 (-0.022, 0.055) | 0.004 (-0.045, 0.054) |
| Heart | -0.043 (-0.146, 0.061) | 0.023 (-0.048, 0.095) | 0.020 (-0.014, 0.053) | 0.000 (-0.120, 0.120) | -0.007 (-0.072, 0.058) | 0.015 (-0.050, 0.080) | -0.010 (-0.044, 0.024) | 0.003 (-0.010, 0.015) | -0.004 (-0.063, 0.056) | -0.024 (-0.067, 0.020) | 0.000 (-0.030, 0.031) | 0.027 (-0.026, 0.080) |
| Arthritis | 0.009 (-0.128, 0.146) | -0.025 (-0.118, 0.069) | 0.017 (-0.009, 0.043) | -0.001 (-0.237, 0.235) | 0.013 (-0.025, 0.052) | -0.029 (-0.064, 0.006) | 0.014 (-0.010, 0.037) | 0.002 (-0.009, 0.013) | 0.026 (-0.012, 0.064) | -0.021 (-0.050, 0.009) | 0.006 (-0.014, 0.026) | -0.011 (-0.040, 0.017) |
| High BP | 0.025 (-0.072, 0.122) | -0.024 (-0.104, 0.056) | 0.000 (-0.025, 0.024) | 0.000 (-0.173, 0.173) | -0.024 (-0.071, 0.024) | 0.002 (-0.046, 0.049) | 0.022 (-0.013, 0.056) | 0.001 (-0.011, 0.012) | 0.060\*\*\* (0.021, 0.099) | -0.016 (-0.048, 0.016) | -0.016\* (-0.034, 0.001) | -0.028\* (-0.056, 0.000) |
| Other Condition | -0.003 (-0.136, 0.130) | -0.002 (-0.088, 0.085) | 0.004 (-0.023, 0.031) | 0.001 (-0.228, 0.230) | 0.005 (-0.031, 0.040) | -0.019 (-0.053, 0.016) | 0.010 (-0.012, 0.031) | 0.005 (-0.010, 0.019) | 0.048\*\*\* (0.014, 0.082) | -0.033\*\*\* (-0.057, -0.008) | 0.006 (-0.011, 0.023) | -0.021\* (-0.046, 0.004) |
| Smk occ. (daily) | 0.021 (-0.129, 0.170) | -0.001 (-0.112, 0.110) | -0.019 (-0.051, 0.014) | -0.001 (-0.249, 0.247) | 0.018 (-0.046, 0.082) | 0.002 (-0.054, 0.058) | -0.018 (-0.047, 0.012) | -0.003 (-0.030, 0.025) | 0.010 (-0.045, 0.065) | -0.024 (-0.069, 0.021) | 0.010 (-0.020, 0.040) | 0.004 (-0.037, 0.044) |
| Smk never (occ.) | -0.017 (-0.329, 0.296) | -0.008 (-0.213, 0.196) | 0.023 (-0.029, 0.075) | 0.002 (-0.547, 0.550) | -0.013 (-0.074, 0.048) | -0.023 (-0.078, 0.032) | 0.028\* (0.000, 0.056) | 0.008 (-0.020, 0.036) | -0.020 (-0.074, 0.034) | 0.021 (-0.022, 0.065) | -0.010 (-0.041, 0.021) | 0.009 (-0.029, 0.047) |
| Smk never (daily) | 0.004 (-0.169, 0.177) | -0.009 (-0.118, 0.099) | 0.005 (-0.024, 0.034) | 0.001 (-0.300, 0.302) | 0.005 (-0.028, 0.037) | -0.020 (-0.050, 0.009) | 0.010 (-0.008, 0.028) | 0.006 (-0.004, 0.014) | -0.010 (-0.042, 0.022) | -0.003 (-0.028, 0.023) | -0.001 (-0.015, 0.014) | 0.013 (-0.011, 0.036) |
| Alc occ. (daily) | -0.079 (-0.175, 0.018) | 0.072\*\*\* (0.019, 0.124) | 0.007 (-0.019, 0.033) | 0.000 (-0.091, 0.091) | 0.042 (-0.020, 0.103) | -0.027 (-0.084, 0.031) | -0.003 (-0.041, 0.034) | -0.012 (-0.042, 0.019) | 0.058\*\* (0.005, 0.112) | -0.059\*\* (-0.110, -0.008) | 0.006 (-0.019, 0.031) | -0.005 (-0.048, 0.037) |
| Alc none (occ.) | 0.018 (-0.642, 0.677) | -0.013 (-0.439, 0.412) | -0.009 (-0.095, 0.077) | 0.004 (-1.162, 1.171) | 0.041\*\* (0.001, 0.082) | -0.018 (-0.056, 0.020) | -0.023\*\* (-0.042, -0.004) | -0.001 (-0.010, 0.008) | -0.004 (-0.047, 0.040) | -0.027\* (-0.057, 0.003) | 0.002 (-0.018, 0.022) | 0.028 (-0.010, 0.066) |
| Alc none (daily) | -0.061 (-0.649, 0.527) | 0.058 (-0.366, 0.483) | -0.001 (-0.088, 0.086) | 0.004 (-1.083, 1.090) | 0.083\*\* (0.014, 0.151) | -0.044 (-0.109, 0.020) | -0.026 (-0.065, 0.012) | -0.012 (-0.043, 0.018) | 0.055\* (-0.007, 0.116) | -0.086\*\*\* (-0.142, -0.030) | 0.008 (-0.021, 0.037) | 0.023 (-0.031, 0.077) |
| Mod. active vs active | -0.005 (-0.243, 0.234) | 0.026 (-0.119, 0.171) | -0.020 (-0.064, 0.024) | -0.001 (-0.417, 0.414) | 0.019 (-0.022, 0.059) | 0.002 (-0.034, 0.038) | -0.008 (-0.029, 0.013) | -0.013\* (-0.028, 0.002) | 0.011 (-0.029, 0.051) | -0.008 (-0.037, 0.022) | -0.004 (-0.022, 0.015) | 0.000 (-0.031, 0.032) |
| Inactive vs mod. active | 0.005 (-0.238, 0.248) | -0.015 (-0.163, 0.134) | 0.007 (-0.030, 0.044) | 0.002 (-0.419, 0.423) | -0.046\*\*\* (-0.081, -0.011) | 0.013 (-0.019, 0.044) | 0.026\*\*\* (0.007, 0.044) | 0.008\* (-0.001, 0.017) | -0.050\*\*\* (-0.084, -0.016) | 0.039\*\*\* (0.013, 0.065) | 0.010 (-0.006, 0.026) | 0.000 (-0.027, 0.028) |
| Inactive vs active | 0.001 (-0.033, 0.034) | 0.011 (-0.021, 0.044) | -0.012 (-0.032, 0.007) | 0.001 (-0.015, 0.016) | -0.028 (-0.064, 0.009) | 0.015 (-0.017, 0.047) | 0.018\* (-0.002, 0.038) | -0.005 (-0.020, 0.010) | -0.039\*\* (-0.074, -0.003) | 0.031\*\* (0.004, 0.059) | 0.007 (-0.009, 0.022) | 0.001 (-0.028, 0.030) |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | 2010 |  |  |  | 2014 |  |  |  |
|  | system | personal | both | other | system | personal | both | other |
| ***Predisposing Characteristics*** |  |  |  |  |  |  |  |  |
| Female | 0.040\* (-0.006, 0.085) | -0.040\*\* (-0.071, -0.009) | -0.009 (-0.027, 0.009) | 0.010 (-0.025, 0.044) | 0.019 (-0.031, 0.069) | -0.028 (-0.070, 0.013) | 0.000 (-0.024, 0.023) | 0.010 (-0.025, 0.044) |
| Age | 0.032\*\* (0.001, 0.062) | -0.026\*\*\* (-0.043, -0.009) | -0.013\*\* (-0.024, -0.003) | 0.008 (-0.019, 0.034) | 0.030\* (-0.004, 0.064) | -0.042\*\*\* (-0.065, -0.019) | 0.002 (-0.014, 0.018) | 0.010 (-0.017, 0.037) |
| MS marries | 0.060\* (-0.001, 0.121) | -0.021 (-0.064, 0.022) | -0.011 (-0.034, 0.012) | -0.028 (-0.075, 0.020) | -0.027 (-0.088, 0.034) | 0.033 (-0.017, 0.083) | 0.011 (-0.016, 0.038) | -0.017 (-0.064, 0.030) |
| MS widowed | -0.064 (-0.190, 0.062) | 0.058 (-0.047, 0.162) | -0.002 (-0.054, 0.051) | 0.008 (-0.104, 0.121) | -0.061 (-0.188, 0.068) | 0.019 (-0.066, 0.105) | -0.019 (-0.057, 0.019) | 0.060 (-0.052, 0.172) |
| MS sep./div. | -0.021 (-0.105, 0.063) | 0.036 (-0.034, 0.105) | 0.013 (-0.025, 0.052) | -0.028 (-0.084, 0.028) | -0.012 (-0.094, 0.070) | 0.011 (-0.048, 0.071) | 0.011 (-0.031, 0.053) | -0.010 (-0.066, 0.047) |
| HH size | 0.015 (-0.015, 0.045) | -0.009 (-0.029, 0.011) | -0.008 (-0.018, 0.002) | 0.002 (-0.022, 0.026) | 0.015 (-0.013, 0.044) | -0.005 (-0.024, 0.015) | 0.001 (-0.012, 0.015) | -0.012 (-0.035, 0.011) |
| Immigrant 0-5 years | 0.025 (-0.069, 0.119) | -0.061\*\* (-0.117, -0.004) | 0.003 (-0.029, 0.036) | 0.032 (-0.047, 0.112) | -0.030 (-0.123, 0.063) | 0.009 (-0.066, 0.085) | 0.042 (-0.013, 0.097) | -0.021 (-0.087, 0.045) |
| Immigrant 5-10 years | -0.059 (-0.309, 0.191) | -0.002 (-0.162, 0.157) | -0.050\*\*\* (-0.074, -0.027) | 0.112 (-0.146, 0.370) | -0.052 (-0.778, 0.674) | -0.076 (-0.240, 0.088) | 0.061 (-0.529, 0.652) | 0.067 (-0.814, 0.947) |
| Immigrant 10-15 years | 0.041 (-0.439, 0.522) | -0.055 (-0.166, 0.056) | 0.038 (-0.183, 0.259) | -0.025 (-0.484, 0.435) | 0.014 (-0.192, 0.221) | -0.017 (-0.167, 0.133) | 0.115 (-0.067, 0.298) | -0.113\* (-0.228, 0.002) |
| Immigrant 15-20 years | -0.002 (-0.196, 0.193) | -0.066 (-0.146, 0.014) | -0.021 (-0.148, 0.106) | 0.089 (-0.073, 0.250) | -0.051 (-0.242, 0.140) | -0.113\*\*\* (-0.192, -0.033) | 0.059 (-0.053, 0.171) | 0.105 (-0.060, 0.270) |
| Immigrant 20+ years | 0.118 (-0.089, 0.324) | -0.080 (-0.213, 0.053) | -0.041 (-0.156, 0.075) | 0.003 (-0.154, 0.160) | 0.003 (-0.223, 0.229) | -0.129\*\*\* (-0.191, -0.067) | 0.086 (-0.160, 0.333) | 0.040 (-0.113, 0.193) |
| Sec. (no sec.) | 0.029 (-0.063, 0.121) | 0.002 (-0.060, 0.064) | -0.002 (-0.043, 0.039) | -0.029 (-0.101, 0.043) | -0.044 (-0.133, 0.046) | 0.007 (-0.056, 0.070) | 0.008 (-0.039, 0.055) | 0.028 (-0.039, 0.095) |
| Some post-sec. (sec.) | 0.031 (-0.067, 0.129) | -0.009 (-0.079, 0.062) | -0.012 (-0.050, 0.025) | -0.010 (-0.085, 0.065) | -0.003 (-0.121, 0.116) | 0.082 (-0.022, 0.185) | -0.048 (-0.125, 0.029) | -0.031 (-0.108, 0.046) |
| Post-sec. (some post-sec) | -0.026 (-0.104, 0.051) | 0.010 (-0.044, 0.064) | 0.012 (-0.015, 0.039) | 0.004 (-0.056, 0.064) | 0.082 (-0.032, 0.196) | -0.109\*\* (-0.210, -0.008) | 0.024 (-0.043, 0.090) | 0.004 (-0.061, 0.069) |
| Ethnicity - Other minority | 0.072 (-0.028, 0.172) | -0.011 (-0.085, 0.063) | 0.026 (-0.013, 0.066) | -0.088\*\*\* (-0.146, -0.029) | 0.048 (-0.036, 0.133) | 0.020 (-0.049, 0.089) | -0.014 (-0.049, 0.020) | -0.054\* (-0.117, 0.008) |
| Ethnicity - Aboriginal | -0.010 (-0.128, 0.108) | 0.080 (-0.039, 0.198) | 0.005 (-0.048, 0.058) | -0.075\*\*\* (-0.128, -0.022) | -0.056 (-0.173, 0.060) | -0.035 (-0.096, 0.026) | 0.008 (-0.075, 0.091) | 0.084 (-0.024, 0.192) |
| Belong SS (VS) | 0.027 (-0.042, 0.095) | -0.051 (-0.113, 0.011) | 0.012 (-0.015, 0.039) | 0.012 (-0.038, 0.063) | -0.055 (-0.123, 0.014) | 0.064\*\* (0.015, 0.113) | 0.038\*\* (0.007, 0.069) | -0.047\* (-0.099, 0.004) |
| Belong SW (SS) | 0.032 (-0.021, 0.085) | 0.001 (-0.035, 0.037) | -0.004 (-0.027, 0.018) | -0.028 (-0.067, 0.011) | -0.013 (-0.067, 0.042) | -0.021 (-0.069, 0.027) | -0.017 (-0.043, 0.010) | 0.051\*\* (0.010, 0.091) |
| Belong VW (SW) | -0.015 (-0.089, 0.060) | -0.033 (-0.077, 0.011) | 0.004 (-0.024, 0.032) | 0.044 (-0.019, 0.106) | -0.002 (-0.082, 0.078) | -0.038 (-0.094, 0.019) | 0.016 (-0.018, 0.051) | 0.023 (-0.038, 0.084) |
| ***Enabling Resources*** |  |  |  |  |  |  |  |  |
| Doctor | -0.057\* (-0.117, 0.002) | 0.031 (-0.015, 0.077) | -0.019\*\*\* (-0.033, -0.005) | 0.044\* (-0.008, 0.097) | 0.000 (-0.059, 0.060) | -0.010 (-0.054, 0.034) | -0.023\*\* (-0.042, -0.005) | 0.033 (-0.019, 0.084) |
| Physician Density | 0.025 (-0.011, 0.061) | 0.025\* (-0.001, 0.052) | -0.005 (-0.017, 0.008) | -0.045\*\*\* (-0.072, -0.018) | -0.022 (-0.060, 0.015) | 0.001 (-0.025, 0.027) | 0.000 (-0.017, 0.016) | 0.021 (-0.008, 0.051) |
| Specialist Density | -0.019 (-0.061, 0.023) | -0.021\* (-0.043, 0.002) | 0.007 (-0.012, 0.026) | 0.033 (-0.007, 0.073) | -0.005 (-0.047, 0.037) | 0.002 (-0.026, 0.030) | 0.004 (-0.015, 0.023) | -0.002 (-0.032, 0.029) |
| HH inc increase 5k-10k | -0.025 (-0.415, 0.366) | 0.069 (-0.188, 0.327) | 0.036 (-0.164, 0.235) | -0.080 (-0.409, 0.248) | 0.039 (-0.351, 0.430) | 0.108 (-0.246, 0.462) | -0.073 (-0.381, 0.235) | -0.075 (-0.332, 0.183) |
| HH inc increase 10k-15k | 0.061 (-0.091, 0.212) | -0.036 (-0.125, 0.052) | -0.025 (-0.109, 0.059) | 0.001 (-0.116, 0.119) | -0.008 (-0.249, 0.233) | 0.054 (-0.132, 0.239) | -0.088 (-0.215, 0.039) | 0.042 (-0.080, 0.164) |
| HH inc increase 15k-20k | -0.075 (-0.182, 0.032) | 0.080\* (-0.004, 0.164) | 0.002 (-0.028, 0.031) | -0.007 (-0.094, 0.081) | -0.040 (-0.224, 0.144) | 0.011 (-0.153, 0.174) | 0.080 (-0.028, 0.187) | -0.051 (-0.160, 0.058) |
| HH inc increase 20k-30k | 0.042 (-0.061, 0.145) | -0.037 (-0.123, 0.048) | 0.010 (-0.021, 0.042) | -0.015 (-0.102, 0.073) | 0.076 (-0.059, 0.211) | -0.023 (-0.136, 0.089) | -0.070 (-0.176, 0.035) | 0.017 (-0.063, 0.098) |
| HH inc increase 30k-40k | -0.008 (-0.091, 0.075) | 0.008 (-0.050, 0.066) | 0.019 (-0.022, 0.060) | -0.019 (-0.078, 0.040) | -0.004 (-0.122, 0.113) | -0.028 (-0.121, 0.066) | 0.042\* (-0.005, 0.090) | -0.010 (-0.078, 0.057) |
| HH inc increase 40k-50k | -0.011 (-0.104, 0.082) | -0.007 (-0.078, 0.065) | -0.004 (-0.055, 0.047) | 0.021 (-0.041, 0.083) | 0.041 (-0.064, 0.145) | -0.033 (-0.106, 0.040) | -0.006 (-0.064, 0.051) | -0.002 (-0.066, 0.063) |
| HH inc increase 50k-60k | -0.070 (-0.180, 0.041) | 0.039 (-0.046, 0.124) | 0.001 (-0.049, 0.051) | 0.029 (-0.058, 0.117) | -0.068 (-0.170, 0.034) | 0.035 (-0.042, 0.112) | 0.031 (-0.034, 0.096) | 0.002 (-0.068, 0.072) |
| HH inc increase 60k-80k | -0.037 (-0.147, 0.072) | 0.024 (-0.065, 0.113) | 0.006 (-0.036, 0.048) | 0.007 (-0.082, 0.097) | 0.009 (-0.091, 0.109) | -0.018 (-0.092, 0.056) | -0.040 (-0.099, 0.020) | 0.049 (-0.029, 0.127) |
| HH inc increase 80k + | 0.080\*\* (0.010, 0.151) | -0.060\*\* (-0.118, -0.002) | -0.008 (-0.040, 0.024) | -0.012 (-0.068, 0.044) | -0.017 (-0.086, 0.051) | 0.019 (-0.029, 0.067) | -0.001 (-0.037, 0.035) | -0.001 (-0.057, 0.055) |
| Rural | 0.008 (-0.044, 0.059) | 0.012 (-0.029, 0.054) | 0.026 (-0.006, 0.058) | -0.046\*\*\* (-0.077, -0.015) | 0.055\*\* (0.002, 0.109) | -0.021 (-0.060, 0.019) | -0.005 (-0.032, 0.021) | -0.029 (-0.066, 0.007) |
| Province – NL | -0.018 (-0.134, 0.097) | 0.014 (-0.073, 0.101) | -0.005 (-0.068, 0.057) | 0.010 (-0.068, 0.087) | 0.017 (-0.169, 0.203) | 0.098 (-0.025, 0.221) | -0.022 (-0.195, 0.151) | -0.093\*\* (-0.166, -0.019) |
| Province – PEI | 0.137 (-0.106, 0.379) | -0.112\* (-0.230, 0.006) | -0.028 (-0.284, 0.227) | 0.004 (-0.101, 0.109) | 0.014 (-0.187, 0.215) | 0.087 (-0.087, 0.262) | -0.020 (-0.155, 0.116) | -0.082 (-0.191, 0.028) |
| Province – NS | -0.178\*\* (-0.345, -0.012) | 0.024 (-0.079, 0.127) | -0.017 (-0.239, 0.204) | 0.172\*\* (0.025, 0.319) | -0.015 (-0.118, 0.088) | 0.063 (-0.033, 0.159) | -0.005 (-0.055, 0.046) | -0.043 (-0.104, 0.018) |
| Province – NB | -0.030 (-0.173, 0.112) | -0.077\*\*\* (-0.133, -0.021) | 0.015 (-0.150, 0.181) | 0.092 (-0.029, 0.213) | -0.063 (-0.189, 0.063) | 0.079 (-0.036, 0.194) | -0.011 (-0.056, 0.035) | -0.006 (-0.102, 0.091) |
| Province – QC | 0.039 (-0.023, 0.100) | -0.041\* (-0.085, 0.002) | -0.013 (-0.039, 0.013) | 0.015 (-0.033, 0.064) | 0.019 (-0.043, 0.081) | -0.003 (-0.052, 0.046) | 0.002 (-0.027, 0.032) | -0.018 (-0.068, 0.032) |
| Province – MB | 0.028 (-0.072, 0.127) | -0.017 (-0.085, 0.052) | -0.039\*\*\* (-0.067, -0.011) | 0.028 (-0.058, 0.113) | -0.062 (-0.182, 0.059) | 0.006 (-0.083, 0.094) | 0.000 (-0.068, 0.068) | 0.056 (-0.030, 0.143) |
| Province – SK | -0.016 (-0.118, 0.086) | -0.050 (-0.114, 0.014) | -0.034\* (-0.070, 0.002) | 0.100\*\* (0.013, 0.188) | -0.035 (-0.153, 0.083) | 0.039 (-0.054, 0.132) | -0.020 (-0.080, 0.040) | 0.016 (-0.070, 0.102) |
| Province – AB | 0.000 (-0.081, 0.082) | -0.022 (-0.081, 0.038) | -0.008 (-0.045, 0.029) | 0.030 (-0.029, 0.088) | 0.022 (-0.077, 0.120) | 0.007 (-0.061, 0.074) | -0.019 (-0.059, 0.021) | -0.009 (-0.078, 0.059) |
| Province – BC | -0.034 (-0.125, 0.056) | 0.000 (-0.062, 0.061) | -0.029\* (-0.059, 0.002) | 0.063 (-0.013, 0.140) | 0.033 (-0.046, 0.113) | 0.012 (-0.045, 0.069) | 0.006 (-0.031, 0.043) | -0.051\* (-0.108, 0.006) |
| ***Need*** |  |  |  |  |  |  |  |  |
| HS fair (poor) | -0.034 (-0.134, 0.066) | 0.007 (-0.050, 0.063) | 0.021 (-0.022, 0.064) | 0.006 (-0.079, 0.091) | -0.004 (-0.112, 0.104) | 0.025 (-0.058, 0.108) | 0.012 (-0.039, 0.062) | -0.032 (-0.103, 0.039) |
| HS good (fair) | 0.046 (-0.028, 0.120) | 0.021 (-0.018, 0.060) | -0.023 (-0.057, 0.012) | -0.045 (-0.106, 0.017) | -0.015 (-0.092, 0.061) | 0.016 (-0.052, 0.084) | -0.004 (-0.040, 0.031) | 0.003 (-0.044, 0.051) |
| HS vgood (good) | -0.036 (-0.092, 0.020) | 0.025 (-0.017, 0.066) | -0.013 (-0.034, 0.009) | 0.024 (-0.020, 0.069) | 0.001 (-0.061, 0.064) | 0.013 (-0.031, 0.056) | -0.003 (-0.032, 0.026) | -0.011 (-0.055, 0.034) |
| HS excellent (v. good) | 0.027 (-0.051, 0.104) | -0.011 (-0.062, 0.041) | 0.018 (-0.015, 0.051) | -0.034 (-0.091, 0.023) | 0.016 (-0.065, 0.097) | 0.006 (-0.054, 0.065) | -0.006 (-0.046, 0.034) | -0.016 (-0.077, 0.045) |
| Asthma | 0.041 (-0.024, 0.105) | 0.008 (-0.040, 0.056) | -0.009 (-0.032, 0.015) | -0.040\* (-0.081, 0.001) | 0.019 (-0.057, 0.094) | -0.021 (-0.076, 0.034) | 0.011 (-0.029, 0.050) | -0.008 (-0.051, 0.035) |
| Diabetes | 0.050 (-0.031, 0.132) | -0.026 (-0.081, 0.029) | -0.002 (-0.031, 0.028) | -0.022 (-0.082, 0.037) | -0.029 (-0.124, 0.066) | -0.005 (-0.072, 0.063) | 0.010 (-0.049, 0.070) | 0.023 (-0.037, 0.083) |
| Heart | -0.041 (-0.132, 0.050) | -0.025 (-0.072, 0.023) | 0.039 (-0.018, 0.095) | 0.027 (-0.044, 0.098) | 0.071\* (-0.013, 0.156) | -0.058\* (-0.119, 0.003) | -0.006 (-0.058, 0.046) | -0.008 (-0.067, 0.052) |
| Arthritis | 0.049 (-0.010, 0.108) | -0.014 (-0.056, 0.028) | -0.014 (-0.032, 0.004) | -0.021 (-0.060, 0.019) | 0.025 (-0.038, 0.087) | -0.012 (-0.065, 0.041) | -0.001 (-0.031, 0.029) | -0.012 (-0.054, 0.030) |
| High BP | 0.017 (-0.048, 0.083) | -0.015 (-0.061, 0.030) | -0.007 (-0.026, 0.012) | 0.005 (-0.044, 0.054) | 0.018 (-0.047, 0.082) | -0.001 (-0.053, 0.051) | -0.017 (-0.046, 0.011) | 0.000 (-0.048, 0.048) |
| Other Condition | 0.026 (-0.032, 0.084) | 0.007 (-0.037, 0.051) | 0.009 (-0.017, 0.036) | -0.043\*\* (-0.080, -0.005) | 0.017 (-0.043, 0.076) | -0.028 (-0.067, 0.011) | 0.002 (-0.032, 0.035) | 0.010 (-0.037, 0.056) |
| Smk occ. (daily) | -0.010 (-0.110, 0.091) | 0.022 (-0.040, 0.083) | 0.017 (-0.033, 0.066) | -0.028 (-0.113, 0.056) | -0.033 (-0.153, 0.086) | -0.079\*\* (-0.148, -0.010) | 0.001 (-0.064, 0.067) | 0.111\*\* (0.009, 0.213) |
| Smk never (occ.) | 0.023 (-0.076, 0.122) | 0.005 (-0.057, 0.067) | -0.015 (-0.061, 0.030) | -0.012 (-0.092, 0.067) | 0.081 (-0.032, 0.195) | 0.051 (-0.011, 0.113) | -0.025 (-0.088, 0.037) | -0.107\*\* (-0.206, -0.007) |
| Smk never (daily) | 0.013 (-0.046, 0.072) | 0.027 (-0.006, 0.059) | 0.002 (-0.021, 0.024) | -0.041 (-0.094, 0.012) | 0.048 (-0.016, 0.112) | -0.028 (-0.076, 0.019) | -0.024 (-0.062, 0.014) | 0.004 (-0.038, 0.047) |
| Alc occ. (daily) | -0.002 (-0.095, 0.090) | -0.010 (-0.080, 0.061) | -0.002 (-0.045, 0.041) | 0.014 (-0.046, 0.074) | 0.068 (-0.015, 0.151) | -0.068\* (-0.145, 0.010) | 0.009 (-0.031, 0.048) | -0.009 (-0.073, 0.055) |
| Alc none (occ.) | 0.004 (-0.053, 0.061) | -0.031\* (-0.065, 0.002) | 0.007 (-0.025, 0.038) | 0.021 (-0.026, 0.067) | -0.047 (-0.111, 0.018) | 0.005 (-0.045, 0.054) | -0.012 (-0.042, 0.017) | 0.054\* (-0.002, 0.110) |
| Alc none (daily) | 0.002 (-0.102, 0.105) | -0.041 (-0.115, 0.034) | 0.004 (-0.046, 0.055) | 0.035 (-0.036, 0.106) | 0.021 (-0.075, 0.118) | -0.063 (-0.151, 0.025) | -0.004 (-0.049, 0.041) | 0.045 (-0.032, 0.122) |
| Mod. active vs active | 0.007 (-0.055, 0.069) | -0.016 (-0.053, 0.021) | 0.011 (-0.011, 0.032) | -0.001 (-0.051, 0.048) | 0.017 (-0.043, 0.076) | -0.033 (-0.077, 0.010) | -0.008 (-0.040, 0.023) | 0.025 (-0.022, 0.071) |
| Inactive vs mod. active | -0.041 (-0.093, 0.011) | 0.029 (-0.008, 0.065) | 0.009 (-0.014, 0.032) | 0.004 (-0.036, 0.043) | -0.035 (-0.095, 0.026) | 0.045\*\* (0.000, 0.091) | -0.004 (-0.032, 0.024) | -0.007 (-0.052, 0.038) |
| Inactive vs active | -0.034 (-0.091, 0.023) | 0.013 (-0.025, 0.050) | 0.019 (-0.004, 0.042) | 0.002 (-0.043, 0.047) | -0.018 (-0.078, 0.042) | 0.012 (-0.036, 0.061) | -0.012 (-0.040, 0.015) | 0.018 (-0.023, 0.059) |

## Table A10 – Sensitivity Analysis with Wait-Related System Barriers in Other

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | 2001 |  |  |  | 2003 |  |  |  | 2005 |  |  |  |
|  | system | personal | both | other | system | personal | both | other | system | personal | both | other |
| ***Predisposing Characteristics*** |  |  |  |  |  |  |  |  |  |  |  |  |
| Female | 0.044\*\*\* (0.020, 0.068) | -0.037\*\*\* (-0.062, -0.013) | -0.004 (-0.014, 0.007) | -0.003 (-0.022, 0.016) | 0.074\*\*\* (0.045, 0.103) | -0.095\*\*\* (-0.123, -0.066) | 0.012 (-0.002, 0.027) | 0.008 (-0.016, 0.032) | 0.034\*\* (0.004, 0.064) | -0.042\*\*\* (-0.065, -0.019) | -0.011\* (-0.023, 0.000) | 0.019 (-0.010, 0.048) |
| Age | 0.038\*\*\* (0.020, 0.057) | -0.026\*\*\* (-0.044, -0.008) | -0.005 (-0.012, 0.002) | -0.007 (-0.019, 0.004) | 0.062\*\*\* (0.042, 0.082) | -0.046\*\*\* (-0.062, -0.031) | -0.007 (-0.016, 0.002) | -0.009 (-0.027, 0.009) | 0.033\*\*\* (0.014, 0.053) | -0.038\*\*\* (-0.050, -0.025) | -0.002 (-0.009, 0.005) | 0.006 (-0.013, 0.025) |
| MS marries | 0.060\*\*\* (0.024, 0.096) | -0.040\*\* (-0.079, -0.001) | 0.004 (-0.012, 0.019) | -0.024\* (-0.049, 0.002) | 0.029 (-0.011, 0.068) | -0.024 (-0.058, 0.010) | 0.006 (-0.012, 0.023) | -0.010 (-0.046, 0.026) | 0.064\*\*\* (0.026, 0.101) | -0.044\*\*\* (-0.074, -0.014) | 0.002 (-0.012, 0.015) | -0.021 (-0.056, 0.013) |
| MS widowed | -0.040 (-0.103, 0.023) | -0.014 (-0.088, 0.060) | 0.009 (-0.023, 0.042) | 0.045 (-0.010, 0.099) | -0.064 (-0.143, 0.014) | 0.123\*\*\* (0.035, 0.211) | 0.004 (-0.038, 0.045) | -0.062\*\*\* (-0.107, -0.017) | 0.019 (-0.052, 0.089) | -0.014 (-0.072, 0.045) | 0.000 (-0.039, 0.038) | -0.005 (-0.070, 0.061) |
| MS sep./div. | -0.005 (-0.048, 0.039) | -0.021 (-0.065, 0.024) | 0.007 (-0.012, 0.025) | 0.019 (-0.009, 0.047) | 0.004 (-0.045, 0.053) | -0.026 (-0.073, 0.021) | 0.013 (-0.015, 0.040) | 0.010 (-0.031, 0.051) | 0.051\*\* (0.002, 0.100) | -0.040\* (-0.082, 0.001) | 0.002 (-0.018, 0.022) | -0.013 (-0.056, 0.031) |
| HH size | -0.028\*\*\* (-0.046, -0.009) | 0.018\*\* (0.000, 0.036) | -0.004 (-0.010, 0.002) | 0.013\* (0.000, 0.026) | -0.018\* (-0.038, 0.001) | 0.017\*\* (0.000, 0.034) | 0.000 (-0.009, 0.009) | 0.001 (-0.015, 0.018) | -0.016\* (-0.034, 0.002) | 0.004 (-0.012, 0.019) | -0.002 (-0.007, 0.004) | 0.014 (-0.003, 0.031) |
| Immigrant 0-5 years | 0.011 (-0.036, 0.058) | -0.016 (-0.063, 0.031) | 0.009 (-0.017, 0.035) | -0.004 (-0.037, 0.029) | -0.023 (-0.080, 0.034) | 0.002 (-0.054, 0.059) | 0.007 (-0.026, 0.039) | 0.014 (-0.034, 0.062) | 0.047\* (-0.004, 0.098) | -0.033 (-0.074, 0.009) | 0.005 (-0.015, 0.026) | -0.020 (-0.068, 0.028) |
| Immigrant 5-10 years | 0.021 (-0.208, 0.250) | -0.100 (-0.251, 0.051) | -0.015 (-0.318, 0.289) | 0.093 (-0.060, 0.247) | 0.028 (-0.135, 0.191) | 0.027 (-0.116, 0.170) | 0.037 (-0.145, 0.219) | -0.091\*\* (-0.167, -0.015) | 0.044 (-0.072, 0.161) | 0.028 (-0.077, 0.132) | 0.008 (-0.093, 0.109) | -0.080\* (-0.171, 0.011) |
| Immigrant 10-15 years | -0.057 (-0.166, 0.051) | 0.081 (-0.032, 0.194) | 0.039 (-0.045, 0.124) | -0.063\*\* (-0.112, -0.013) | 0.085 (-0.140, 0.309) | -0.077 (-0.185, 0.032) | 0.020 (-0.312, 0.352) | -0.028 (-0.132, 0.076) | 0.046 (-0.072, 0.164) | -0.034 (-0.104, 0.037) | 0.009 (-0.094, 0.111) | -0.021 (-0.115, 0.073) |
| Immigrant 15-20 years | 0.047 (-0.052, 0.147) | -0.039 (-0.136, 0.058) | -0.003 (-0.052, 0.047) | -0.006 (-0.069, 0.058) | 0.007 (-0.120, 0.133) | -0.103\*\* (-0.184, -0.021) | 0.090\* (-0.011, 0.191) | 0.006 (-0.100, 0.112) | 0.071 (-0.044, 0.185) | -0.037 (-0.107, 0.034) | 0.016 (-0.024, 0.055) | -0.050 (-0.147, 0.047) |
| Immigrant 20+ years | 0.002 (-0.143, 0.147) | -0.004 (-0.134, 0.126) | 0.005 (-0.126, 0.137) | -0.003 (-0.073, 0.066) | 0.133\*\* (0.010, 0.256) | -0.080\* (-0.174, 0.015) | 0.000 (-0.065, 0.065) | -0.053 (-0.130, 0.023) | -0.028 (-0.133, 0.077) | -0.057\* (-0.123, 0.009) | -0.011 (-0.079, 0.056) | 0.097\* (-0.012, 0.206) |
| Sec. (no sec.) | 0.041\* (-0.002, 0.084) | -0.021 (-0.062, 0.020) | 0.008 (-0.008, 0.024) | -0.028\* (-0.060, 0.004) | 0.041 (-0.010, 0.092) | -0.011 (-0.060, 0.038) | 0.007 (-0.014, 0.028) | -0.037\* (-0.080, 0.006) | 0.026 (-0.026, 0.077) | -0.016 (-0.055, 0.024) | -0.013 (-0.033, 0.007) | 0.003 (-0.047, 0.052) |
| Some post-sec. (sec.) | -0.007 (-0.055, 0.041) | 0.012 (-0.031, 0.056) | 0.010 (-0.010, 0.031) | -0.015 (-0.046, 0.015) | 0.010 (-0.048, 0.068) | -0.044\* (-0.093, 0.006) | -0.005 (-0.034, 0.024) | 0.039\* (-0.004, 0.082) | -0.073\*\* (-0.133, -0.014) | 0.022 (-0.021, 0.066) | 0.019\* (-0.003, 0.041) | 0.032 (-0.023, 0.087) |
| Post-sec. (some post-sec) | 0.004 (-0.037, 0.045) | -0.008 (-0.046, 0.031) | 0.003 (-0.017, 0.024) | 0.000 (-0.025, 0.025) | 0.028 (-0.022, 0.077) | -0.012 (-0.051, 0.027) | 0.005 (-0.020, 0.029) | -0.020 (-0.061, 0.021) | 0.100\*\*\* (0.050, 0.151) | -0.037\* (-0.076, 0.001) | -0.010 (-0.032, 0.012) | -0.053\*\* (-0.100, -0.005) |
| Ethnicity - Other minority | 0.007 (-0.060, 0.074) | -0.011 (-0.076, 0.054) | -0.003 (-0.033, 0.028) | 0.006 (-0.036, 0.049) | -0.006 (-0.075, 0.062) | -0.029 (-0.087, 0.029) | -0.013 (-0.042, 0.017) | 0.048\* (-0.004, 0.101) | 0.039 (-0.022, 0.099) | -0.027 (-0.070, 0.016) | 0.011 (-0.012, 0.035) | -0.023 (-0.079, 0.032) |
| Ethnicity - Aboriginal | -0.033 (-0.104, 0.038) | 0.006 (-0.067, 0.078) | 0.030\* (-0.004, 0.064) | -0.003 (-0.044, 0.038) | -0.025 (-0.105, 0.056) | 0.022 (-0.053, 0.097) | 0.003 (-0.044, 0.050) | 0.000 (-0.060, 0.059) | 0.028 (-0.039, 0.095) | -0.012 (-0.057, 0.033) | -0.007 (-0.030, 0.016) | -0.009 (-0.068, 0.050) |
| Belong SS (VS) | -0.018 (-0.056, 0.021) | 0.019 (-0.017, 0.055) | 0.001 (-0.014, 0.017) | -0.003 (-0.030, 0.025) | -0.049\*\* (-0.093, -0.005) | 0.053\*\*\* (0.018, 0.088) | -0.013 (-0.033, 0.007) | 0.009 (-0.026, 0.043) | 0.019 (-0.019, 0.056) | -0.017 (-0.051, 0.017) | 0.009 (-0.007, 0.024) | -0.010 (-0.047, 0.026) |
| Belong SW (SS) | -0.033\*\* (-0.062, -0.004) | 0.022 (-0.008, 0.053) | -0.008 (-0.021, 0.006) | 0.019\* (-0.003, 0.040) | -0.038\*\* (-0.072, -0.003) | 0.029\* (-0.003, 0.060) | 0.005 (-0.010, 0.020) | 0.004 (-0.024, 0.032) | -0.022 (-0.056, 0.012) | 0.006 (-0.018, 0.031) | -0.001 (-0.014, 0.012) | 0.017 (-0.015, 0.049) |
| Belong VW (SW) | -0.016 (-0.054, 0.022) | 0.005 (-0.034, 0.044) | -0.001 (-0.016, 0.013) | 0.012 (-0.014, 0.037) | -0.011 (-0.055, 0.033) | -0.037\* (-0.079, 0.004) | 0.023 (-0.006, 0.051) | 0.026 (-0.013, 0.064) | -0.024 (-0.070, 0.021) | -0.006 (-0.040, 0.028) | 0.003 (-0.014, 0.019) | 0.027 (-0.016, 0.071) |
| ***Enabling Resources*** |  |  |  |  |  |  |  |  |  |  |  |  |
| Doctor | -0.004 (-0.039, 0.031) | 0.018 (-0.016, 0.052) | 0.012 (-0.005, 0.028) | -0.025\*\*\* (-0.044, -0.007) | 0.032\* (-0.004, 0.068) | 0.017 (-0.017, 0.050) | -0.021\*\*\* (-0.033, -0.010) | -0.027\*\* (-0.053, -0.001) | -0.015 (-0.050, 0.020) | 0.009 (-0.018, 0.036) | -0.019\*\*\* (-0.026, -0.011) | 0.025 (-0.010, 0.060) |
| Physician Density | 0.010 (-0.011, 0.031) | -0.004 (-0.024, 0.017) | -0.004 (-0.013, 0.005) | -0.002 (-0.017, 0.012) | 0.004 (-0.021, 0.028) | 0.006 (-0.018, 0.030) | -0.008 (-0.019, 0.004) | -0.002 (-0.022, 0.018) | 0.024\* (0.000, 0.048) | -0.010 (-0.028, 0.009) | -0.004 (-0.013, 0.004) | -0.010 (-0.032, 0.012) |
| Specialist Density | -0.048\*\*\* (-0.068, -0.027) | 0.025\*\* (0.003, 0.047) | -0.003 (-0.012, 0.006) | 0.025\*\*\* (0.008, 0.042) | -0.035\*\*\* (-0.058, -0.011) | 0.017 (-0.007, 0.040) | 0.009 (-0.005, 0.023) | 0.009 (-0.012, 0.029) | -0.042\*\*\* (-0.066, -0.018) | 0.009 (-0.010, 0.028) | -0.002 (-0.012, 0.008) | 0.035\*\*\* (0.012, 0.058) |
| HH inc increase 5k-10k | -0.221\*\*\* (-0.345, -0.096) | 0.206\*\*\* (0.105, 0.307) | -0.025 (-0.088, 0.038) | 0.040 (-0.044, 0.123) | -0.025 (-0.178, 0.129) | 0.002 (-0.147, 0.150) | -0.094 (-0.244, 0.057) | 0.117\*\* (0.014, 0.220) | -0.065 (-0.219, 0.088) | 0.037 (-0.069, 0.144) | 0.037 (-0.062, 0.136) | -0.009 (-0.155, 0.137) |
| HH inc increase 10k-15k | 0.073\*\* (0.009, 0.137) | -0.042 (-0.108, 0.025) | -0.003 (-0.027, 0.020) | -0.028 (-0.077, 0.021) | 0.030 (-0.065, 0.125) | -0.029 (-0.119, 0.060) | -0.025 (-0.068, 0.017) | 0.025 (-0.053, 0.103) | -0.025 (-0.107, 0.058) | 0.010 (-0.054, 0.073) | -0.033 (-0.080, 0.014) | 0.048 (-0.037, 0.133) |
| HH inc increase 15k-20k | -0.004 (-0.064, 0.056) | -0.006 (-0.070, 0.058) | 0.011 (-0.013, 0.034) | 0.000 (-0.053, 0.052) | 0.022 (-0.053, 0.097) | -0.013 (-0.081, 0.055) | 0.026 (-0.010, 0.062) | -0.035 (-0.103, 0.033) | 0.094\*\* (0.017, 0.171) | -0.003 (-0.062, 0.056) | -0.007 (-0.028, 0.013) | -0.084\*\* (-0.164, -0.004) |
| HH inc increase 20k-30k | -0.013 (-0.068, 0.042) | 0.058\* (-0.002, 0.118) | -0.008 (-0.031, 0.016) | -0.038 (-0.086, 0.011) | 0.002 (-0.070, 0.074) | -0.008 (-0.071, 0.055) | 0.003 (-0.035, 0.041) | 0.003 (-0.059, 0.064) | -0.010 (-0.079, 0.059) | -0.004 (-0.054, 0.045) | 0.017 (-0.006, 0.039) | -0.002 (-0.066, 0.061) |
| HH inc increase 30k-40k | 0.034 (-0.011, 0.080) | -0.019 (-0.063, 0.026) | 0.012 (-0.007, 0.031) | -0.028 (-0.063, 0.007) | 0.042 (-0.014, 0.097) | 0.038 (-0.014, 0.091) | -0.028\* (-0.057, 0.002) | -0.053\* (-0.106, 0.001) | 0.004 (-0.049, 0.057) | 0.035 (-0.009, 0.078) | 0.004 (-0.019, 0.028) | -0.043 (-0.095, 0.010) |
| HH inc increase 40k-50k | 0.019 (-0.034, 0.071) | -0.036 (-0.087, 0.015) | -0.001 (-0.023, 0.020) | 0.019 (-0.019, 0.057) | 0.026 (-0.033, 0.085) | -0.002 (-0.057, 0.054) | 0.018 (-0.009, 0.045) | -0.042 (-0.092, 0.008) | 0.020 (-0.035, 0.075) | -0.035 (-0.079, 0.009) | 0.000 (-0.022, 0.023) | 0.015 (-0.040, 0.070) |
| HH inc increase 50k-60k | 0.022 (-0.034, 0.078) | 0.016 (-0.037, 0.068) | -0.006 (-0.029, 0.017) | -0.032 (-0.071, 0.008) | 0.012 (-0.050, 0.073) | -0.031 (-0.088, 0.026) | 0.011 (-0.025, 0.047) | 0.009 (-0.040, 0.057) | 0.040 (-0.020, 0.099) | 0.013 (-0.030, 0.055) | 0.005 (-0.021, 0.031) | -0.057\*\* (-0.113, -0.001) |
| HH inc increase 60k-80k | 0.035 (-0.017, 0.087) | -0.026 (-0.073, 0.021) | -0.001 (-0.020, 0.019) | -0.008 (-0.043, 0.026) | -0.003 (-0.064, 0.058) | 0.026 (-0.026, 0.077) | -0.009 (-0.043, 0.024) | -0.013 (-0.064, 0.037) | -0.021 (-0.071, 0.028) | 0.005 (-0.036, 0.046) | -0.007 (-0.030, 0.017) | 0.023 (-0.027, 0.073) |
| HH inc increase 80k + | -0.023 (-0.065, 0.020) | 0.037\* (-0.004, 0.078) | -0.002 (-0.019, 0.016) | -0.013 (-0.042, 0.017) | 0.018 (-0.031, 0.066) | 0.015 (-0.025, 0.054) | -0.010 (-0.033, 0.014) | -0.023 (-0.062, 0.017) | 0.038\* (-0.006, 0.082) | 0.005 (-0.030, 0.039) | -0.004 (-0.020, 0.013) | -0.039\* (-0.078, 0.001) |
| Rural | -0.008 (-0.037, 0.020) | 0.007 (-0.022, 0.036) | 0.012 (-0.004, 0.027) | -0.010 (-0.031, 0.010) | -0.022 (-0.057, 0.012) | 0.035\* (0.000, 0.069) | -0.001 (-0.018, 0.016) | -0.011 (-0.039, 0.016) | -0.014 (-0.047, 0.019) | 0.005 (-0.023, 0.033) | -0.002 (-0.015, 0.011) | 0.011 (-0.023, 0.046) |
| Province – NL | 0.006 (-0.068, 0.079) | -0.007 (-0.077, 0.063) | 0.011 (-0.026, 0.048) | -0.010 (-0.063, 0.043) | 0.074 (-0.022, 0.170) | -0.023 (-0.093, 0.047) | 0.056 (-0.012, 0.125) | -0.107\*\*\* (-0.165, -0.048) | 0.026 (-0.061, 0.113) | 0.033 (-0.030, 0.096) | 0.031 (-0.010, 0.071) | -0.090\*\* (-0.167, -0.012) |
| Province – PEI | 0.083\*\* (0.005, 0.162) | -0.025 (-0.102, 0.052) | -0.006 (-0.036, 0.024) | -0.052\*\* (-0.097, -0.008) | -0.027 (-0.173, 0.119) | 0.049 (-0.090, 0.188) | -0.019 (-0.205, 0.168) | -0.003 (-0.133, 0.127) | 0.150\*\*\* (0.052, 0.247) | -0.066\*\* (-0.130, -0.002) | 0.005 (-0.032, 0.042) | -0.089\* (-0.181, 0.003) |
| Province – NS | 0.070\*\* (0.011, 0.129) | -0.058\*\* (-0.113, -0.004) | 0.019 (-0.007, 0.044) | -0.030 (-0.070, 0.009) | 0.032 (-0.047, 0.110) | 0.005 (-0.062, 0.072) | 0.018 (-0.018, 0.054) | -0.054\* (-0.112, 0.004) | 0.074\*\* (0.003, 0.145) | -0.027 (-0.081, 0.026) | 0.028 (-0.007, 0.063) | -0.075\*\* (-0.132, -0.018) |
| Province – NB | 0.010 (-0.049, 0.069) | -0.026 (-0.083, 0.031) | -0.019\*\* (-0.038, 0.000) | 0.035 (-0.015, 0.086) | 0.108\*\*\* (0.040, 0.176) | -0.073\*\*\* (-0.128, -0.018) | 0.011 (-0.035, 0.058) | -0.046\* (-0.097, 0.005) | -0.005 (-0.077, 0.066) | 0.013 (-0.039, 0.066) | 0.011 (-0.018, 0.040) | -0.019 (-0.088, 0.051) |
| Province – QC | 0.106\*\*\* (0.066, 0.147) | -0.058\*\*\* (-0.096, -0.021) | 0.011 (-0.008, 0.031) | -0.059\*\*\* (-0.084, -0.035) | 0.104\*\*\* (0.060, 0.148) | -0.013 (-0.052, 0.025) | 0.023\*\* (0.004, 0.043) | -0.114\*\*\* (-0.145, -0.083) | 0.096\*\*\* (0.055, 0.136) | -0.013 (-0.043, 0.018) | 0.020\*\* (0.002, 0.038) | -0.103\*\*\* (-0.140, -0.066) |
| Province – MB | 0.034 (-0.024, 0.093) | -0.011 (-0.065, 0.042) | 0.029\*\* (0.005, 0.054) | -0.052\*\*\* (-0.089, -0.016) | 0.002 (-0.075, 0.078) | 0.032 (-0.028, 0.091) | 0.038\*\* (0.003, 0.073) | -0.071\*\*\* (-0.117, -0.025) | 0.035 (-0.031, 0.100) | 0.041 (-0.020, 0.102) | 0.014 (-0.020, 0.047) | -0.090\*\*\* (-0.142, -0.037) |
| Province – SK | -0.036 (-0.092, 0.020) | 0.045 (-0.012, 0.102) | -0.003 (-0.023, 0.017) | -0.006 (-0.047, 0.035) | -0.148\*\*\* (-0.226, -0.069) | 0.120\*\*\* (0.041, 0.199) | -0.008 (-0.032, 0.017) | 0.035 (-0.046, 0.116) | -0.079\*\*\* (-0.136, -0.023) | 0.092\*\*\* (0.036, 0.149) | -0.004 (-0.035, 0.027) | -0.009 (-0.072, 0.053) |
| Province – AB | -0.031 (-0.071, 0.010) | -0.018 (-0.060, 0.023) | 0.013 (-0.008, 0.034) | 0.036\*\* (0.002, 0.069) | -0.123\*\*\* (-0.177, -0.068) | 0.021 (-0.030, 0.073) | 0.036\*\* (0.005, 0.068) | 0.065\*\* (0.012, 0.118) | -0.044\* (-0.097, 0.008) | 0.028 (-0.017, 0.072) | 0.008 (-0.009, 0.025) | 0.009 (-0.044, 0.061) |
| Province – BC | -0.073\*\*\* (-0.115, -0.031) | 0.006 (-0.038, 0.050) | -0.013 (-0.030, 0.004) | 0.080\*\*\* (0.043, 0.117) | -0.149\*\*\* (-0.203, -0.095) | 0.038 (-0.016, 0.091) | -0.003 (-0.027, 0.020) | 0.114\*\*\* (0.055, 0.174) | -0.096\*\*\* (-0.145, -0.047) | 0.035 (-0.010, 0.080) | 0.008 (-0.009, 0.025) | 0.053\*\* (0.000, 0.106) |
| ***Need*** |  |  |  |  |  |  |  |  |  |  |  |  |
| HS fair (poor) | 0.042\* (-0.007, 0.091) | 0.003 (-0.043, 0.050) | -0.008 (-0.032, 0.016) | -0.038\*\* (-0.073, -0.002) | -0.077\*\* (-0.144, -0.010) | 0.016 (-0.043, 0.074) | 0.016 (-0.016, 0.048) | 0.046\*\* (0.007, 0.084) | 0.015 (-0.047, 0.077) | 0.023 (-0.025, 0.070) | -0.003 (-0.026, 0.021) | -0.035 (-0.095, 0.025) |
| HS good (fair) | -0.044\*\* (-0.081, -0.006) | 0.042\*\* (0.007, 0.077) | 0.009 (-0.007, 0.026) | -0.008 (-0.032, 0.017) | -0.008 (-0.053, 0.038) | 0.002 (-0.039, 0.043) | -0.002 (-0.025, 0.021) | 0.008 (-0.026, 0.041) | -0.014 (-0.052, 0.024) | 0.012 (-0.020, 0.045) | -0.001 (-0.017, 0.016) | 0.002 (-0.037, 0.041) |
| HS vgood (good) | -0.001 (-0.031, 0.029) | 0.013 (-0.017, 0.044) | -0.016\*\* (-0.030, -0.002) | 0.003 (-0.018, 0.025) | -0.009 (-0.047, 0.029) | 0.023 (-0.010, 0.056) | -0.014 (-0.032, 0.004) | 0.000 (-0.030, 0.029) | 0.017 (-0.020, 0.055) | 0.012 (-0.015, 0.039) | 0.003 (-0.010, 0.015) | -0.032\* (-0.067, 0.003) |
| HS excellent (v. good) | 0.016 (-0.024, 0.055) | -0.002 (-0.043, 0.039) | -0.001 (-0.016, 0.014) | -0.013 (-0.042, 0.016) | 0.018 (-0.028, 0.064) | -0.003 (-0.044, 0.039) | -0.019\*\* (-0.036, -0.002) | 0.004 (-0.036, 0.043) | -0.041\* (-0.085, 0.004) | 0.020 (-0.016, 0.055) | -0.004 (-0.022, 0.014) | 0.025 (-0.017, 0.067) |
| Asthma | 0.010 (-0.025, 0.046) | -0.027 (-0.062, 0.009) | 0.014 (-0.005, 0.032) | 0.003 (-0.021, 0.025) | 0.042\* (-0.001, 0.086) | -0.034\* (-0.071, 0.003) | 0.005 (-0.017, 0.026) | -0.013 (-0.045, 0.019) | 0.014 (-0.028, 0.056) | -0.013 (-0.043, 0.017) | 0.032\*\* (0.005, 0.059) | -0.033\* (-0.068, 0.002) |
| Diabetes | -0.024 (-0.077, 0.029) | 0.024 (-0.035, 0.084) | -0.013 (-0.030, 0.005) | 0.013 (-0.028, 0.052) | 0.064\* (0.000, 0.128) | -0.074\*\*\* (-0.123, -0.025) | 0.016 (-0.028, 0.060) | -0.006 (-0.050, 0.038) | 0.031 (-0.033, 0.095) | -0.032 (-0.078, 0.014) | 0.023 (-0.016, 0.061) | -0.022 (-0.075, 0.031) |
| Heart | 0.011 (-0.048, 0.070) | 0.043 (-0.021, 0.106) | 0.005 (-0.020, 0.030) | -0.059\*\*\* (-0.082, -0.035) | -0.018 (-0.080, 0.044) | -0.026 (-0.083, 0.032) | -0.007 (-0.031, 0.017) | 0.051\* (-0.008, 0.109) | 0.009 (-0.051, 0.069) | -0.017 (-0.070, 0.037) | -0.011 (-0.029, 0.007) | 0.019 (-0.043, 0.080) |
| Arthritis | 0.016 (-0.017, 0.048) | -0.025 (-0.056, 0.006) | 0.015 (-0.004, 0.034) | -0.006 (-0.029, 0.017) | -0.015 (-0.052, 0.022) | -0.009 (-0.046, 0.027) | 0.003 (-0.016, 0.021) | 0.022 (-0.013, 0.057) | 0.010 (-0.029, 0.048) | -0.015 (-0.045, 0.015) | -0.002 (-0.017, 0.013) | 0.006 (-0.031, 0.043) |
| High BP | 0.034\* (-0.004, 0.072) | -0.023 (-0.059, 0.013) | -0.001 (-0.018, 0.016) | -0.010 (-0.035, 0.015) | -0.029 (-0.073, 0.015) | 0.005 (-0.041, 0.051) | 0.017 (-0.013, 0.047) | 0.007 (-0.030, 0.044) | 0.076\*\*\* (0.036, 0.116) | -0.021 (-0.053, 0.011) | -0.012\*\* (-0.024, -0.001) | -0.043\*\* (-0.079, -0.007) |
| Other Condition | -0.015 (-0.047, 0.016) | 0.004 (-0.029, 0.038) | -0.006 (-0.019, 0.007) | 0.017 (-0.007, 0.041) | -0.015 (-0.050, 0.021) | -0.014 (-0.048, 0.019) | 0.006 (-0.013, 0.025) | 0.023 (-0.011, 0.056) | 0.047\*\* (0.011, 0.083) | -0.022\* (-0.045, 0.002) | -0.002 (-0.014, 0.010) | -0.023 (-0.056, 0.009) |
| Smk occ. (daily) | -0.018 (-0.074, 0.039) | 0.013 (-0.048, 0.074) | -0.009 (-0.030, 0.012) | 0.014 (-0.026, 0.054) | 0.019 (-0.044, 0.081) | 0.017 (-0.037, 0.071) | -0.022\*\* (-0.042, -0.001) | -0.015 (-0.071, 0.042) | -0.014 (-0.076, 0.047) | -0.025 (-0.069, 0.019) | 0.017 (-0.012, 0.045) | 0.023 (-0.031, 0.077) |
| Smk never (occ.) | 0.018 (-0.035, 0.071) | -0.011 (-0.068, 0.047) | 0.012 (-0.008, 0.032) | -0.019 (-0.059, 0.020) | -0.006 (-0.066, 0.055) | -0.020 (-0.074, 0.033) | 0.030\*\*\* (0.010, 0.050) | -0.004 (-0.056, 0.048) | 0.003 (-0.054, 0.060) | 0.021 (-0.021, 0.064) | -0.015 (-0.044, 0.014) | -0.009 (-0.061, 0.043) |
| Smk never (daily) | 0.000 (-0.027, 0.027) | 0.002 (-0.026, 0.030) | 0.003 (-0.008, 0.015) | -0.006 (-0.025, 0.014) | 0.013 (-0.020, 0.047) | -0.003 (-0.031, 0.025) | 0.008 (-0.007, 0.023) | -0.019 (-0.047, 0.009) | -0.012 (-0.044, 0.021) | -0.003 (-0.029, 0.022) | 0.001 (-0.009, 0.012) | 0.014 (-0.015, 0.042) |
| Alc occ. (daily) | -0.063\*\* (-0.115, -0.012) | 0.080\*\*\* (0.031, 0.130) | 0.009 (-0.011, 0.029) | -0.026 (-0.068, 0.017) | 0.007 (-0.054, 0.067) | -0.043 (-0.099, 0.014) | -0.006 (-0.039, 0.028) | 0.041\* (-0.004, 0.086) | 0.073\*\*\* (0.021, 0.124) | -0.036 (-0.086, 0.013) | 0.003 (-0.018, 0.024) | -0.039 (-0.094, 0.016) |
| Alc none (occ.) | 0.012 (-0.024, 0.049) | -0.026 (-0.061, 0.010) | -0.009 (-0.022, 0.004) | 0.022\* (-0.001, 0.046) | 0.002 (-0.040, 0.043) | -0.021 (-0.059, 0.016) | -0.024\*\*\* (-0.040, -0.008) | 0.044\*\* (0.006, 0.081) | -0.009 (-0.053, 0.035) | -0.029\* (-0.060, 0.001) | 0.003 (-0.014, 0.019) | 0.035 (-0.009, 0.080) |
| Alc none (daily) | -0.051\* (-0.112, 0.010) | 0.054\* (-0.003, 0.112) | 0.000 (-0.022, 0.022) | -0.003 (-0.049, 0.042) | 0.009 (-0.060, 0.077) | -0.064\*\* (-0.127, -0.001) | -0.030\* (-0.064, 0.005) | 0.085\*\*\* (0.033, 0.138) | 0.064\*\* (0.002, 0.126) | -0.066\*\* (-0.122, -0.010) | 0.006 (-0.019, 0.030) | -0.004 (-0.073, 0.066) |
| Mod. active vs active | -0.018 (-0.053, 0.017) | 0.026 (-0.009, 0.061) | -0.020\*\* (-0.036, -0.005) | 0.012 (-0.014, 0.038) | 0.004 (-0.034, 0.042) | 0.001 (-0.034, 0.036) | -0.002 (-0.018, 0.015) | -0.003 (-0.036, 0.030) | 0.012 (-0.029, 0.053) | 0.006 (-0.022, 0.034) | -0.008 (-0.023, 0.006) | -0.010 (-0.047, 0.028) |
| Inactive vs mod. active | 0.012 (-0.018, 0.041) | -0.008 (-0.036, 0.020) | 0.012\*\* (0.000, 0.023) | -0.015 (-0.036, 0.006) | -0.033\* (-0.069, 0.004) | 0.011 (-0.020, 0.042) | 0.018\*\* (0.002, 0.035) | 0.003 (-0.025, 0.032) | -0.044\*\* (-0.079, -0.010) | 0.036\*\*\* (0.010, 0.061) | 0.007 (-0.005, 0.018) | 0.002 (-0.031, 0.035) |
| Inactive vs active | -0.006 (-0.037, 0.024) | 0.018 (-0.013, 0.049) | -0.008 (-0.024, 0.007) | -0.003 (-0.025, 0.019) | -0.029\* (-0.064, 0.006) | 0.012 (-0.018, 0.042) | 0.017\*\* (0.000, 0.033) | 0.000 (-0.032, 0.033) | -0.032\* (-0.068, 0.003) | 0.042\*\*\* (0.016, 0.068) | -0.002 (-0.015, 0.011) | -0.008 (-0.042, 0.026) |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | 2010 |  |  |  | 2014 |  |  |  |
|  | system | personal | both | other | system | personal | both | other |
| ***Predisposing Characteristics*** |  |  |  |  |  |  |  |  |
| Female | 0.044\* (-0.003, 0.092) | -0.041\*\* (-0.073, -0.010) | -0.007 (-0.024, 0.010) | 0.004 (-0.036, 0.044) | 0.000 (-0.052, 0.052) | -0.037\* (-0.079, 0.005) | 0.008 (-0.012, 0.028) | 0.030 (-0.017, 0.075) |
| Age | 0.052\*\*\* (0.022, 0.081) | -0.032\*\*\* (-0.049, -0.015) | -0.008 (-0.018, 0.003) | -0.012 (-0.039, 0.014) | 0.034\* (-0.001, 0.069) | -0.040\*\*\* (-0.064, -0.015) | -0.001 (-0.015, 0.013) | 0.007 (-0.027, 0.041) |
| MS marries | 0.072\*\* (0.009, 0.136) | -0.017 (-0.061, 0.026) | -0.016 (-0.039, 0.008) | -0.040 (-0.099, 0.020) | 0.040 (-0.024, 0.105) | 0.023 (-0.028, 0.075) | 0.020 (-0.004, 0.043) | -0.083\*\* (-0.146, -0.020) |
| MS widowed | -0.056 (-0.176, 0.065) | 0.073 (-0.034, 0.179) | -0.016 (-0.062, 0.030) | -0.001 (-0.117, 0.115) | 0.028 (-0.082, 0.138) | 0.002 (-0.082, 0.085) | -0.004 (-0.044, 0.036) | -0.026 (-0.129, 0.078) |
| MS sep./div. | 0.022 (-0.063, 0.107) | 0.032 (-0.038, 0.101) | 0.012 (-0.027, 0.051) | -0.065\* (-0.131, 0.000) | 0.047 (-0.043, 0.137) | 0.007 (-0.053, 0.068) | 0.013 (-0.024, 0.050) | -0.067\* (-0.142, 0.008) |
| HH size | 0.023 (-0.009, 0.055) | -0.011 (-0.030, 0.009) | -0.007 (-0.016, 0.003) | -0.006 (-0.033, 0.022) | -0.013 (-0.043, 0.017) | 0.000 (-0.020, 0.020) | -0.003 (-0.015, 0.009) | 0.016 (-0.012, 0.045) |
| Immigrant 0-5 years | 0.034 (-0.062, 0.130) | -0.059\*\* (-0.117, -0.001) | -0.001 (-0.030, 0.029) | 0.025 (-0.058, 0.108) | -0.001 (-0.092, 0.089) | 0.030 (-0.049, 0.109) | 0.022 (-0.022, 0.067) | -0.051 (-0.130, 0.029) |
| Immigrant 5-10 years | -0.035 (-0.255, 0.186) | -0.008 (-0.167, 0.151) | -0.044\*\*\* (-0.068, -0.020) | 0.087 (-0.125, 0.300) | -0.058 (-0.503, 0.387) | -0.076 (-0.235, 0.082) | 0.061 (-0.797, 0.919) | 0.073 (-0.320, 0.467) |
| Immigrant 10-15 years | 0.091 (-0.147, 0.329) | -0.040 (-0.152, 0.071) | 0.022 (-0.159, 0.204) | -0.073 (-0.255, 0.109) | 0.029 (-0.165, 0.223) | -0.015 (-0.164, 0.134) | 0.109 (-0.060, 0.278) | -0.123\* (-0.249, 0.004) |
| Immigrant 15-20 years | 0.029 (-0.142, 0.200) | -0.073\* (-0.153, 0.006) | -0.016 (-0.144, 0.113) | 0.060 (-0.097, 0.217) | 0.013 (-0.169, 0.196) | -0.091\* (-0.186, 0.005) | 0.031 (-0.057, 0.118) | 0.047 (-0.125, 0.218) |
| Immigrant 20+ years | 0.188\* (-0.008, 0.383) | -0.093 (-0.213, 0.027) | -0.036 (-0.140, 0.068) | -0.059 (-0.214, 0.096) | -0.163 (-0.397, 0.071) | -0.122\*\*\* (-0.197, -0.046) | 0.064 (-0.361, 0.489) | 0.220 (-0.071, 0.512) |
| Sec. (no sec.) | 0.011 (-0.079, 0.101) | -0.015 (-0.080, 0.049) | 0.016 (-0.019, 0.051) | -0.012 (-0.092, 0.067) | -0.078\* (-0.170, 0.014) | -0.006 (-0.070, 0.058) | 0.024 (-0.020, 0.068) | 0.060 (-0.021, 0.141) |
| Some post-sec. (sec.) | -0.015 (-0.122, 0.091) | 0.000 (-0.074, 0.074) | -0.022 (-0.058, 0.014) | 0.037 (-0.060, 0.134) | -0.016 (-0.124, 0.093) | 0.082 (-0.020, 0.184) | -0.046 (-0.123, 0.031) | -0.020 (-0.119, 0.078) |
| Post-sec. (some post-sec) | 0.025 (-0.064, 0.115) | 0.009 (-0.048, 0.065) | 0.013 (-0.011, 0.038) | -0.047 (-0.131, 0.036) | 0.094\* (-0.007, 0.195) | -0.099\* (-0.199, 0.001) | 0.012 (-0.054, 0.077) | -0.007 (-0.092, 0.079) |
| Ethnicity - Other minority | 0.061 (-0.042, 0.164) | -0.008 (-0.084, 0.068) | 0.025 (-0.012, 0.063) | -0.078\* (-0.159, 0.002) | 0.039 (-0.056, 0.135) | 0.011 (-0.059, 0.081) | -0.009 (-0.041, 0.023) | -0.041 (-0.128, 0.046) |
| Ethnicity - Aboriginal | -0.034 (-0.142, 0.074) | 0.072 (-0.048, 0.192) | 0.014 (-0.042, 0.070) | -0.052 (-0.152, 0.048) | 0.025 (-0.084, 0.134) | -0.020 (-0.088, 0.048) | -0.016 (-0.063, 0.031) | 0.011 (-0.102, 0.124) |
| Belong SS (VS) | 0.004 (-0.065, 0.073) | -0.049 (-0.111, 0.013) | 0.008 (-0.019, 0.034) | 0.037 (-0.020, 0.095) | -0.018 (-0.091, 0.055) | 0.075\*\*\* (0.027, 0.124) | 0.027\* (-0.005, 0.059) | -0.084\*\* (-0.153, -0.016) |
| Belong SW (SS) | 0.038 (-0.017, 0.093) | 0.001 (-0.036, 0.039) | -0.005 (-0.025, 0.016) | -0.035 (-0.080, 0.011) | -0.007 (-0.063, 0.050) | -0.021 (-0.069, 0.027) | -0.018 (-0.042, 0.007) | 0.046\* (-0.006, 0.098) |
| Belong VW (SW) | -0.090\*\* (-0.167, -0.014) | -0.038\* (-0.082, 0.007) | 0.008 (-0.018, 0.035) | 0.120\*\*\* (0.049, 0.190) | -0.027 (-0.107, 0.053) | -0.025 (-0.083, 0.033) | 0.005 (-0.024, 0.035) | 0.047 (-0.028, 0.121) |
| ***Enabling Resources*** |  |  |  |  |  |  |  |  |
| Doctor | -0.095\*\*\* (-0.151, -0.038) | 0.025 (-0.020, 0.070) | -0.017\*\* (-0.030, -0.004) | 0.086\*\*\* (0.027, 0.146) | -0.032 (-0.096, 0.033) | -0.012 (-0.056, 0.032) | -0.021\*\* (-0.039, -0.003) | 0.064\* (-0.003, 0.131) |
| Physician Density | 0.034\* (-0.005, 0.072) | 0.024\* (-0.003, 0.051) | -0.003 (-0.014, 0.009) | -0.055\*\*\* (-0.089, -0.021) | 0.001 (-0.038, 0.040) | 0.005 (-0.021, 0.031) | -0.003 (-0.018, 0.013) | -0.004 (-0.041, 0.033) |
| Specialist Density | -0.051\*\* (-0.093, -0.009) | -0.019 (-0.042, 0.004) | 0.003 (-0.013, 0.019) | 0.067\*\*\* (0.022, 0.112) | -0.022 (-0.066, 0.022) | -0.001 (-0.029, 0.027) | 0.006 (-0.013, 0.025) | 0.017 (-0.026, 0.061) |
| HH inc increase 5k-10k | -0.183 (-0.519, 0.153) | 0.078 (-0.186, 0.343) | 0.031 (-0.242, 0.304) | 0.074 (-0.248, 0.395) | -0.098 (-0.666, 0.469) | 0.089 (-0.130, 0.309) | -0.043 (-0.793, 0.708) | 0.052 (-0.262, 0.365) |
| HH inc increase 10k-15k | 0.137 (-0.038, 0.312) | -0.033 (-0.127, 0.060) | -0.027 (-0.222, 0.168) | -0.076 (-0.255, 0.102) | -0.118 (-0.319, 0.084) | 0.053 (-0.128, 0.233) | -0.081 (-0.208, 0.046) | 0.146 (-0.037, 0.330) |
| HH inc increase 15k-20k | -0.086 (-0.203, 0.031) | 0.070 (-0.016, 0.156) | 0.009 (-0.021, 0.038) | 0.007 (-0.111, 0.125) | 0.054 (-0.084, 0.193) | 0.052 (-0.109, 0.213) | 0.038 (-0.046, 0.122) | -0.145\* (-0.292, 0.003) |
| HH inc increase 20k-30k | 0.063 (-0.046, 0.171) | -0.035 (-0.122, 0.054) | 0.006 (-0.026, 0.038) | -0.034 (-0.155, 0.086) | 0.033 (-0.101, 0.167) | -0.056 (-0.175, 0.062) | -0.040 (-0.119, 0.040) | 0.063 (-0.068, 0.194) |
| HH inc increase 30k-40k | 0.034 (-0.064, 0.132) | 0.029 (-0.036, 0.092) | 0.000 (-0.029, 0.028) | -0.062 (-0.152, 0.028) | 0.016 (-0.096, 0.129) | -0.008 (-0.105, 0.089) | 0.023 (-0.015, 0.061) | -0.031 (-0.140, 0.078) |
| HH inc increase 40k-50k | -0.044 (-0.148, 0.060) | -0.031 (-0.108, 0.047) | 0.018 (-0.025, 0.061) | 0.056 (-0.041, 0.154) | 0.115\*\* (0.012, 0.219) | -0.039 (-0.120, 0.042) | 0.000 (-0.044, 0.043) | -0.076\* (-0.165, 0.013) |
| HH inc increase 50k-60k | -0.007 (-0.122, 0.108) | 0.045 (-0.042, 0.133) | -0.004 (-0.052, 0.045) | -0.035 (-0.141, 0.072) | -0.050 (-0.157, 0.057) | 0.020 (-0.061, 0.102) | 0.042 (-0.021, 0.105) | -0.012 (-0.105, 0.080) |
| HH inc increase 60k-80k | -0.010 (-0.113, 0.093) | 0.020 (-0.070, 0.111) | 0.008 (-0.033, 0.049) | -0.018 (-0.113, 0.077) | 0.036 (-0.066, 0.137) | -0.025 (-0.099, 0.050) | -0.032 (-0.092, 0.028) | 0.021 (-0.070, 0.113) |
| HH inc increase 80k + | 0.127\*\*\* (0.057, 0.197) | -0.058\* (-0.116, 0.001) | -0.010 (-0.041, 0.022) | -0.060\* (-0.125, 0.005) | -0.012 (-0.090, 0.065) | 0.023 (-0.026, 0.071) | -0.002 (-0.036, 0.032) | -0.008 (-0.075, 0.059) |
| Rural | 0.026 (-0.027, 0.080) | 0.022 (-0.021, 0.066) | 0.014 (-0.011, 0.039) | -0.063\*\*\* (-0.103, -0.022) | 0.017 (-0.045, 0.078) | -0.020 (-0.061, 0.021) | -0.006 (-0.029, 0.017) | 0.009 (-0.048, 0.067) |
| Province – NL | -0.002 (-0.127, 0.123) | 0.008 (-0.080, 0.096) | 0.002 (-0.063, 0.066) | -0.008 (-0.111, 0.096) | 0.036 (-0.137, 0.209) | 0.084 (-0.039, 0.207) | -0.005 (-0.180, 0.169) | -0.114 (-0.296, 0.067) |
| Province – PEI | 0.230 (-0.060, 0.520) | -0.115\*\* (-0.220, -0.010) | -0.027 (-0.384, 0.330) | -0.089 (-0.232, 0.055) | -0.003 (-0.162, 0.156) | 0.064 (-0.105, 0.233) | -0.003 (-0.151, 0.145) | -0.058 (-0.212, 0.096) |
| Province – NS | -0.094 (-0.216, 0.027) | 0.045 (-0.059, 0.149) | -0.042 (-0.170, 0.087) | 0.091 (-0.029, 0.211) | 0.062 (-0.044, 0.168) | 0.047 (-0.050, 0.144) | 0.012 (-0.099, 0.124) | -0.121\*\*\* (-0.208, -0.034) |
| Province – NB | 0.022 (-0.173, 0.218) | -0.085\*\*\* (-0.147, -0.024) | 0.028 (-0.283, 0.340) | 0.035 (-0.126, 0.195) | 0.017 (-0.112, 0.145) | 0.070 (-0.044, 0.184) | 0.000 (-0.046, 0.045) | -0.087 (-0.203, 0.029) |
| Province – QC | 0.141\*\*\* (0.078, 0.203) | -0.042\* (-0.087, 0.002) | -0.013 (-0.039, 0.012) | -0.085\*\*\* (-0.140, -0.031) | 0.147\*\*\* (0.081, 0.213) | -0.008 (-0.057, 0.042) | 0.009 (-0.019, 0.037) | -0.148\*\*\* (-0.210, -0.087) |
| Province – MB | 0.112\*\* (0.008, 0.216) | -0.019 (-0.088, 0.050) | -0.037\*\* (-0.065, -0.008) | -0.057 (-0.151, 0.038) | 0.044 (-0.068, 0.156) | -0.005 (-0.095, 0.086) | 0.011 (-0.053, 0.075) | -0.051 (-0.148, 0.047) |
| Province – SK | -0.033 (-0.145, 0.080) | -0.052 (-0.120, 0.016) | -0.034\*\* (-0.068, -0.001) | 0.119\*\* (0.010, 0.228) | 0.035 (-0.084, 0.153) | 0.031 (-0.066, 0.128) | -0.014 (-0.129, 0.102) | -0.052 (-0.158, 0.054) |
| Province – AB | 0.007 (-0.077, 0.090) | -0.025 (-0.086, 0.037) | -0.007 (-0.043, 0.028) | 0.025 (-0.043, 0.094) | 0.014 (-0.084, 0.112) | 0.015 (-0.059, 0.088) | -0.026 (-0.057, 0.005) | -0.002 (-0.099, 0.094) |
| Province – BC | -0.100\*\* (-0.187, -0.013) | -0.006 (-0.069, 0.057) | -0.028\* (-0.058, 0.002) | 0.134\*\*\* (0.045, 0.223) | 0.067 (-0.018, 0.152) | 0.009 (-0.048, 0.066) | 0.009 (-0.026, 0.043) | -0.084\*\* (-0.165, -0.003) |
| ***Need*** |  |  |  |  |  |  |  |  |
| HS fair (poor) | -0.073 (-0.170, 0.024) | 0.005 (-0.050, 0.061) | 0.027 (-0.017, 0.071) | 0.041 (-0.043, 0.125) | -0.012 (-0.123, 0.100) | 0.038 (-0.043, 0.119) | -0.007 (-0.063, 0.050) | -0.020 (-0.121, 0.082) |
| HS good (fair) | 0.025 (-0.046, 0.095) | 0.021 (-0.019, 0.061) | -0.025 (-0.058, 0.009) | -0.021 (-0.084, 0.042) | -0.019 (-0.093, 0.056) | 0.020 (-0.046, 0.086) | -0.006 (-0.037, 0.026) | 0.005 (-0.059, 0.068) |
| HS vgood (good) | -0.036 (-0.093, 0.022) | 0.025 (-0.017, 0.067) | -0.014 (-0.034, 0.007) | 0.025 (-0.029, 0.078) | -0.019 (-0.081, 0.043) | 0.001 (-0.043, 0.045) | 0.010 (-0.017, 0.036) | 0.009 (-0.045, 0.062) |
| HS excellent (v. good) | 0.062 (-0.018, 0.141) | -0.014 (-0.066, 0.038) | 0.023 (-0.009, 0.054) | -0.071\*\* (-0.139, -0.002) | 0.034 (-0.048, 0.117) | 0.022 (-0.042, 0.085) | -0.020 (-0.053, 0.014) | -0.037 (-0.114, 0.041) |
| Asthma | 0.057 (-0.011, 0.125) | 0.008 (-0.042, 0.059) | -0.010 (-0.030, 0.011) | -0.056\*\* (-0.108, -0.003) | -0.010 (-0.086, 0.065) | -0.002 (-0.063, 0.058) | -0.010 (-0.039, 0.019) | 0.022 (-0.039, 0.083) |
| Diabetes | 0.015 (-0.075, 0.105) | -0.028 (-0.083, 0.027) | 0.000 (-0.029, 0.029) | 0.013 (-0.064, 0.090) | -0.044 (-0.139, 0.051) | -0.008 (-0.075, 0.059) | 0.011 (-0.047, 0.069) | 0.041 (-0.038, 0.119) |
| Heart | -0.039 (-0.124, 0.047) | -0.023 (-0.073, 0.027) | 0.032 (-0.021, 0.085) | 0.030 (-0.051, 0.111) | 0.100\* (-0.010, 0.210) | -0.059\* (-0.120, 0.003) | -0.005 (-0.056, 0.047) | -0.037 (-0.131, 0.058) |
| Arthritis | 0.041 (-0.025, 0.106) | -0.013 (-0.056, 0.031) | -0.016\* (-0.032, 0.001) | -0.012 (-0.062, 0.038) | -0.003 (-0.068, 0.063) | -0.005 (-0.060, 0.049) | -0.007 (-0.033, 0.019) | 0.015 (-0.047, 0.077) |
| High BP | 0.017 (-0.047, 0.081) | -0.018 (-0.063, 0.027) | -0.006 (-0.023, 0.012) | 0.007 (-0.052, 0.065) | 0.005 (-0.064, 0.074) | -0.013 (-0.066, 0.040) | -0.007 (-0.037, 0.023) | 0.015 (-0.055, 0.085) |
| Other Condition | 0.012 (-0.047, 0.070) | 0.011 (-0.035, 0.057) | 0.006 (-0.018, 0.029) | -0.029 (-0.079, 0.022) | 0.018 (-0.051, 0.086) | -0.021 (-0.062, 0.020) | -0.005 (-0.032, 0.023) | 0.008 (-0.056, 0.072) |
| Smk occ. (daily) | -0.003 (-0.105, 0.099) | 0.009 (-0.051, 0.069) | 0.031 (-0.022, 0.083) | -0.037 (-0.126, 0.054) | 0.012 (-0.108, 0.132) | -0.073\*\* (-0.146, -0.001) | -0.011 (-0.073, 0.050) | 0.073 (-0.044, 0.190) |
| Smk never (occ.) | 0.009 (-0.092, 0.109) | 0.016 (-0.045, 0.077) | -0.028 (-0.077, 0.021) | 0.004 (-0.082, 0.089) | 0.080 (-0.031, 0.191) | 0.045 (-0.019, 0.109) | -0.015 (-0.072, 0.042) | -0.109\* (-0.222, 0.003) |
| Smk never (daily) | 0.006 (-0.051, 0.062) | 0.025 (-0.008, 0.058) | 0.002 (-0.019, 0.023) | -0.033 (-0.084, 0.019) | 0.091\*\*\* (0.033, 0.150) | -0.029 (-0.076, 0.019) | -0.026 (-0.066, 0.013) | -0.037 (-0.090, 0.017) |
| Alc occ. (daily) | -0.013 (-0.106, 0.080) | -0.008 (-0.079, 0.063) | -0.005 (-0.046, 0.036) | 0.026 (-0.045, 0.096) | 0.057 (-0.023, 0.136) | -0.065 (-0.144, 0.014) | 0.007 (-0.030, 0.043) | 0.002 (-0.081, 0.084) |
| Alc none (occ.) | -0.022 (-0.077, 0.034) | -0.033\* (-0.067, 0.001) | 0.009 (-0.021, 0.039) | 0.046\* (-0.007, 0.098) | 0.001 (-0.062, 0.063) | -0.008 (-0.058, 0.042) | 0.000 (-0.030, 0.030) | 0.007 (-0.055, 0.069) |
| Alc none (daily) | -0.035 (-0.138, 0.069) | -0.041 (-0.115, 0.034) | 0.004 (-0.044, 0.052) | 0.071\* (-0.011, 0.154) | 0.057 (-0.031, 0.145) | -0.073 (-0.161, 0.016) | 0.007 (-0.036, 0.050) | 0.009 (-0.081, 0.098) |
| Mod. active vs active | 0.043 (-0.025, 0.111) | -0.013 (-0.051, 0.026) | 0.007 (-0.013, 0.027) | -0.038 (-0.099, 0.024) | 0.019 (-0.039, 0.078) | -0.036 (-0.080, 0.008) | -0.007 (-0.037, 0.023) | 0.025 (-0.035, 0.084) |
| Inactive vs mod. active | -0.065\*\* (-0.120, -0.010) | 0.028 (-0.009, 0.065) | 0.010 (-0.012, 0.032) | 0.027 (-0.022, 0.076) | -0.041 (-0.102, 0.021) | 0.053\*\* (0.008, 0.098) | -0.010 (-0.037, 0.016) | -0.002 (-0.059, 0.056) |
| Inactive vs active | -0.022 (-0.084, 0.041) | 0.016 (-0.023, 0.054) | 0.017 (-0.006, 0.039) | -0.011 (-0.066, 0.045) | -0.022 (-0.081, 0.037) | 0.017 (-0.033, 0.066) | -0.018 (-0.045, 0.010) | 0.023 (-0.031, 0.077) |