**Supplementary table 2: Percentage of all migraineurs and migraineurs stratified by age reporting selected characteristics from the SLNCC**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **OVERALL**  **(N=949)** | **AGE** | | | |
| Group 1  15 to 34 years (N=138) | Group 2  35 to 64 years (N=659) | Group 3  65+ years (N=152) |  |
| Proportion (%)  (95% CI)\* | Proportion (%)  (95% CI)\* | Proportion (%)  (95% CI)\* | Proportion (%)  (95% CI)\* | Odds ratio (OR)  (95% CI) |
| **Demographics** |  |  |  |  |  |
| Mean age (years) | 43.4 (41.6-45.2) | **27.3 (25.6-29.0)**  **Reference group** | **47.3 (46.0-48.5)** | **71.9 (70.5-73.2)** | **N/A** |
| **N/A** |
| Sex |  |  |  |  |  |
| Male | 18.0 (13.3-22.7) | 10.5 (1.8-19.1)  Reference group | 21.2 (15.4-27.0) | 16.8 (7.7-26.0) | 2.30 (0.97-5.44)  Group 2 |
| 1.73 (0.61-4.89)  Group 3 |
| Female | 82.0 (77.3-86.7) | 89.5 (80.9-98.2)  Reference group | 78.8 (73.0-84.6) | 83.2 (74.0-92.3) | 0.44 (0.18-1.03)  Group 2 |
| 0.58 (0.20-1.64)  Group 3 |
| Education |  |  |  |  |  |
| High school graduation or  less | 41.0 (34.0-48.0) | 55.8 (40.9-70.7) | **32.7 (24.8-40.5)** | **67.0 (54.6-79.4)**  **Reference group** | 0.62 (0.27-1.46)  Group 1 |
| **0.24 (0.12-0.47)**  **Group 2** |
| Completed certificate/  diploma or degree above  high school | 59.0 (52.0-66.0) | 44.2 (29.3-59.1) | **67.3 (59.5-75.2)** | **33.0 (20.6-45.4)**  **Reference group** | 1.61 (0.69-3.77)  Group 1 |
| **4.18 (2.12-8.26)**  **Group 2** |
| **Diagnosis** |  |  |  |  |  |
| Headaches |  |  |  |  |  |
| Nauseated | 90.7 (87.2-94.3) | **92.3 (84.5-100.2)** | **92.1 (87.9-96.3)** | **67.8 (55.1-80.6)**  **Reference group** | **5.71 (1.84-17.72)**  **Group 1** |
| **5.54 (2.32-13.19)**  **Group 2** |
| Light sensitive | 92.5 (89.6-95.3) | 89.6 (82.4-96.9) | **94.5 (91.3-97.6)** | **83.2 (74.4-92.0)**  **Reference group** | 1.75 (0.64-4.81)  Group 1 |
| **3.45 (1.50-7.93)**  **Group 2** |
| Limited ability to  work/study/other | 84.1 (79.3-88.8) | **87.6 (77.6-97.5)** | **84.6 (79.0-90.2)** | **62.1 (47.8-76.4)**  **Reference group** | **4.30 (1.11-16.65)**  **Group 1** |
| **3.36 (1.57-7.19)**  **Group 2** |
| Mean age – 1st diagnosed (years) | 26.5 (25.1-27.8) | **20.3 (18.7-22.0)**  **Reference group** | **28.1 (26.4-29.8)** | **37.6 (32.4-42.8)** | **N/A** |
| Mean age – 1st symptoms (years) | 23.1 (21.7-24.4) | **18.8 (17.0-20.5)**  **Reference group** | **24.3 (22.5-26.1)** | **28.8 (23.2-34.5)** | **N/A** |
| Compared to when 1st diagnosed: |  |  |  |  |  |
| Much better/Somewhat  better now | 51.1 (43.9-58.4) | **51.5 (36.0-67.1)** | **49.2 (41.0-57.5)** | **74.0 (60.6-87.5)**  **Reference group** | **0.37 (0.14-0.99)**  **Group 1** |
| **0.34 (0.15-0.75)**  **Group 2** |
| About the same | 25.3 (19.2-31.4) | 27.6 (14.5-40.8) | 24.8 (17.6-32.0) | 19.7 (6.8-32.7)  Reference group | 1.55 (0.46-5.24)  Group 1 |
| 1.34 (0.51-3.49)  Group 2 |
| Much worse/Somewhat  worse now | 23.6 (17.3-29.9) | 20.9 (6.4-35.3) | **26.0 (18.8-33.2)** | **6.2 (0.2-12.3)**  **Reference group** | 3.96 (0.94-16.70)  Group 1 |
| **5.28 (1.73-16.09)**  **Group 2** |
| Reason why migraine is better now (among those who reported their migraine to be better): |  |  |  |  |  |
| Medication | 44.2 (34.0-54.3) | 59.1 (38.6-79.7)  Reference group | 36.8 (26.0-47.5) | 51.3 (31.3-71.2) | 0.40 (0.16-1.01)  Group 2 |
| 0.73 (0.22-2.45)  Group 3 |
| Surgery | 1.0 (0.2-1.8) | N/A | 0.7 (0.0-1.5) | N/A | N/A |
| In remission | 4.5 (1.8-7.1) | N/A  Reference group | 4.5 (1.0-8.0) | 14.6 (2.9-26.4) | N/A |
| Complementary/alternative  treatment | 8.8 (2.6-14.9) | N/A | 13.5 (3.8-23.2) | N/A | N/A |
| Rehabilitation therapy | 3.2 (-0.3-6.7) | N/A | 5.0 (-0.5-10.5) | N/A | N/A |
| Other medical treatment | 1.0 (-1.1-3.1) | N/A | 0.2 (0.0-0.4) | N/A | N/A |
| Coping strategy | 33.9 (24.8-42.9) | 33.3 (15.6-51.1)  Reference group | 35.2 (23.8-46.6) | 25.0 (9.2-40.8) | 1.09 (0.43-2.76)  Group 2 |
| 0.67 (0.16-2.79)  Group 3 |
| Other | 30.9 (22.1-39.7) | **12.8 (1.4-24.2)**  **Reference group** | **38.0 (25.9-50.1)** | **37.5 (20.9-54.1)** | **4.17 (1.25-13.90)**  **Group 2** |
| **4.08 (1.15-14.51)**  **Group 3** |
| **General health (self-perceived)** |  |  |  |  |  |
| Poor/Fair | 20.0 (15.3-24.7) | **14.4 (4.8-24.1)**  Reference group | 20.8 (15.2-26.4) | **35.8 (21.8-49.9)** | 1.56 (0.63-3.85)  Group 2 |
| **3.31 (1.22-8.98)**  **Group 3** |
| Good/Very good/Excellent | **80.0 (75.3-84.7)** | **85.6 (75.9-95.2)**  **Reference group** | 79.2 (73.6-84.8) | **64.2 (50.1-78.2)** | 0.64 (0.26-1.59)  Group 2 |
| **0.30 (0.11-0.82)**  **Group 3** |
| **General health compared to one year ago (self-perceived)** |  |  |  |  |  |
| Much better/Somewhat  better | 23.1 (17.3-28.8) | 26.1 (13.7-38.4)  Reference group | 22.2 (15.7-28.6) | 19.6 (8.8-30.3) | 0.81 (0.34-1.90)  Group 2 |
| 0.69 (0.21-2.22)  Group 3 |
| About the same | 60.2 (53.4-66.9) | 61.0 (46.5-75.5)  Reference group | 60.8 (53.2-68.3) | 50.2 (36.0-64.3) | 0.99 (0.49-1.99)  Group 2 |
| 0.64 (0.26-1.59)  Group 3 |
| Much worse/Somewhat  worse | 16.8 (11.6-21.9) | 12.9 (2.8-23.1)  Reference group | 17.1 (11.0-23.1) | 30.3 (16.4-44.1) | 1.39 (0.51-3.75)  Group 2 |
| 2.92 (0.98-8.70)  Group 3 |
| **Amount of stress in life (self-perceived)** |  |  |  |  |  |
| Not at all/Not very/ A bit  stressful | 63.2 (56.8-69.7) | **77.7 (65.8-89.6)**  **Reference group** | **56.8 (48.7-64.9)** | 69.5  (56.1-82.9) | **0.38 (0.17-0.84)**  **Group 2** |
| 0.66 (0.25-1.72)  Group 3 |
| Quite a bit/Extremely  stressful | 36.8 (30.3-43.2) | **22.3 (10.4-34.2)**  **Reference group** | **43.2 (35.1-51.3)** | 30.5  (17.1-43.9) | **2.64 (1.19-5.89)**  **Group 2** |
| 1.53 (0.58-4.01)  Group 3 |
| **Health utility index (mean)** | 0.8 (0.8-0.8) | **0.9 (0.8-0.9)**  **Reference group** | **0.8 (0.7-0.8)** | **0.6 (0.5-0.7)** | **N/A** |
| **Chronic conditions** |  |  |  |  |  |
| Any of the chronic conditions mentioned below | 40.2 (33.5-46.9) | **28.4 (15.3-41.5)**  **Reference group** | 42.5 (34.4-50.5) | **66.9 (53.7-80.0)** | 1.86 (0.91-3.82)  Group 2 |
| **5.07 (1.91-13.47)**  **Group 3** |
| Heart disease | 5.6 (3.3-7.9) | N/A  Reference group | 5.8 (2.6-9.0) | 22.6 (10.9-34.3) | N/A |
| High blood pressure | 22.6 (17.8-27.4) | **9.2 (2.5-16.0)**  **Reference group** | **25.3 (18.7-31.8)** | **52.5 (38.9-66.0)** | **3.33 (1.22-9.07)**  **Group 2** |
| **10.85 (3.63-32.38)**  **Group 3** |
| Diabetes | 5.7 (3.1-8.3) | N/A  Reference group | 6.4  (2.8-10.1) | 8.6  (2.5-14.6) | N/A |
| Mood disorder (depression,  bipolar disorder, mania, or  dysthymia) | 24.8 (19.2-30.5) | 22.4 (10.4-34.3)  Reference group | 26.0 (19.5-32.6) | 22.9 (11.9-34.0) | 1.22 (0.57-2.64)  Group 2 |
| 1.03 (0.39-2.71)  Group 3 |
| **Medication Use** |  |  |  |  |  |
| Took prescription medications | 45.7 (39.1-52.3) | **33.5 (20.2-46.8)**  Reference group | 48.5 (40.8-56.1) | **69.4 (55.4-83.3)** | 1.87 (0.95-3.68)  Group 2 |
| **4.50 (1.74-11.62)**  **Group 3** |
| Experienced side effects  (among those who took  medications) | 27.0 (20.4-33.6) | **12.9 (0.3-25.4)**  **Reference group** | **31.0 (22.7-39.3)** | 26.7 (11.1-42.2) | **3.04 (1.01-9.15)**  **Group 2** |
| 2.46 (0.65-9.32)  Group 3 |
| Not at all/A little bit | 58.5 (45.7-71.4) | 37.9 (2.3-73.5)  Reference group | 58.8 (43.7-73.9) | 77.9 (53.1-102.7) | 2.33 (0.39-13.97)  Group 2 |
| 5.76 (0.75-44.21)  Group 3 |
| Moderately/ Quite a  bit/Extremely | 41.5 (28.6-54.3) | 62.1 (26.5-97.7)  Reference group | 41.2 (26.1-56.3) | 22.1 (-2.7-46.9) | 0.43 (0.07-2.57)  Group 2 |
| 0.17 (0.02-1.33)  Group 3 |
| **Depression (PHQ-9 cut point of 10)** | 21.9 (16.5-27.3) | 18.7 (8.3-29.0)  Reference group | 23.4 (16.8-30.0) | 19.2 (7.7-30.7) | 1.33 (0.56-3.16)  Group 2 |
| 1.03 (0.35-3.09)  Group 3 |
| **Stigma (self-perceived)** |  |  |  |  |  |
| “People seemed uncomfortable with me” |  |  |  |  |  |
| Never/Rarely | 82.5 (77.7-87.4) | 83.9 (73.6-94.3)  Reference group | 82.2 (76.3-88.2) | 79.4 (66.9-91.9) | 0.88 (0.31-2.50)  Group 2 |
| 0.74 (0.20-2.75)  Group 3 |
| Sometimes/Often/Always | 17.5 (12.6-22.3) | 16.1 (5.7-26.4)  Reference group | 17.8 (11.8-23.7) | 20.6 (8.1-33.1) | 1.13 (0.40-3.20)  Group 2 |
| 1.36 (0.36-5.05)  Group 3 |
| “People avoided me” |  |  |  |  |  |
| Never/Rarely | 91.6 (88.7-94.4) | **98.5 (96.4-100.6)**  **Reference group** | **89.4 (85.4-93.3)** | **84.0 (73.0-95.1)** | **0.13 (0.04-0.39)**  **Group 2** |
| **0.08 (0.02-0.33)**  **Group 3** |
| Sometimes/Often/Always | 8.4 (5.6-11.3) | **1.5 (-0.6-3.6)**  **Reference group** | **10.6 (6.7-14.6)** | **16.0 (4.9-27.0)** | **7.84 (2.58-23.84)**  **Group 2** |
| **12.55 (2.99-52.64)**  **Group 3** |
| “I felt left out of things” |  |  |  |  |  |
| Never/Rarely | 71.0 (64.3-77.7) | 76.7 (62.9-90.5)  Reference group | 68.5 (60.6-76.5) | 73.5 (59.3-87.7) | 0.66 (0.30-1.48)  Group 2 |
| 0.84 (0.31-2.31)  Group 3 |
| Sometimes/Often/Always | 29.0 (22.3-35.7) | 23.3 (9.5-37.1)  Reference group | 31.5 (23.5-39.4) | 26.5 (12.3-40.7) | 1.51 (0.68-3.39)  Group 2 |
| 1.19 (0.43-3.27)  Group 3 |
| “I felt embarrassed” |  |  |  |  |  |
| Never/Rarely | 83.0 (77.7-88.3) | 84.8 (74.7-95.0)  Reference group | 82.9 (76.3-89.4) | 76.0 (61.2-90.7) | 0.87 (0.34-2.23)  Group 2 |
| 0.57 (0.17-1.92)  Group 3 |
| Sometimes/Often/Always | 17.0 (11.7-22.3) | 15.2 (5.0-25.3)  Reference group | 17.1 (10.6-23.7) | 24.0 (9.3-38.8) | 1.15 (0.45-2.98)  Group 2 |
| 1.77 (0.52-5.98)  Group 3 |
| **Availability of social support if needed** |  |  |  |  |  |
| Someone to confide in or talk to about yourself or your problems |  |  |  |  |  |
| None/A little of the time | 10.1 (6.3-13.9) | 8.4 (-1.4-18.2)  Reference group | 10.4 (6.2-14.6) | 14.8 (5.0-24.7) | 1.26 (0.08-19.82)  Group 2 |
| 1.90 (0.11-31.84)  Group 3 |
| Some/Most/All of the time | 89.9 (86.1-93.7) | 91.6 (81.8-101.4)  Reference group | 89.6 (85.4-93.8) | 85.2 (75.3-95.0) | 0.79 (0.05-12.45)  Group 2 |
| 0.53 (0.03-8.85)  Group 3 |
| Someone to do something enjoyable with |  |  |  |  |  |
| None/A little of the time | 7.1 (4.3-9.9) | 3.3 (-1.6-8.2)  Reference group | 8.1. (4.4-11.9) | 13.1 (5.3-20.8) | 2.59 (0.18-38.31)  Group 2 |
| 4.41 (0.27-72.04)  Group 3 |
| Some/Most/All of the time | 92.9 (90.1-95.7) | 96.7 (91.8-101.6)  Reference group | 91.9 (88.1-95.6) | 86.9 (79.2-94.7) | 0.39 (0.03-5.71)  Group 2 |
| 0.23 (0.01-3.70)  Group 3 |
| Someone to take you to the doctor |  |  |  |  |  |
| None/A little of the time | 4.4 (2.3-6.5) | 1.9 (-2.5-6.2)  Reference group | 5.1 (2.5-7.8) | 8.0 (0.5-15.6) | 2.84 (0.59-13.62)  Group 2 |
| 4.60 (0.77-27.45)  Group 3 |
| Some/Most/All of the time | 95.6 (93.5-97.7) | 98.1 (93.8-102.5)  Reference group | 94.9 (92.2-97.5) | 92.0 (84.4-99.5) | 0.35 (0.07-1.69)  Group 2 |
| 0.22 (0.04-1.30)  Group 3 |
| Someone to turn to for help in an emergency |  |  |  |  |  |
| None/A little of the time | 2.5 (1.1-3.8) | N/A  Reference group | 3.3 (1.2-5.3) | 3.3 (0.0-6.5) | N/A |
| Some/Most/All of the time | 97.5 (96.2-98.9) | N/A  Reference group | 96.7 (94.7-98.8) | 96.7 (93.5-100.0) | N/A |
| **Formal assistance** |  |  |  |  |  |
| Formal assistance received (past 12 mo.) | 2.6 (1.5-3.7) | **0.7 (-1.2-2.6)**  **Reference group** | 2.4 (1.1-3.7) | **13.2 (5.5-21.0)** | N/A |
| **Informal assistance** |  |  |  |  |  |
| Informal assistance received (past 12 mo.) | 35.7 (29.4-42.0) | **51.0 (36.2-65.8)**  **Reference group** | **29.2 (22.4-36.0)** | 38.4 (25.3-51.6) | **0.40 (0.20-0.79)**  **Group 2** |
| 0.60 (0.26-1.38)  Group 3 |
| **Restriction of activities** |  |  |  |  |  |
| Condition limited educational opportunities |  |  |  |  |  |
| Not at all/A little bit | 82.8 (78.2-87.3) | 75.3 (63.4-87.3)  Reference group | 85.9 (81.7-90.2) | 81.1 (71.0-91.2) | 2.00 (0.92-4.35)  Group 2 |
| 1.40 (0.55-3.60)  Group 3 |
| Moderately/Quite a  bit/Extremely | 17.2 (12.7-21.8) | 24.7 (12.7-36.6)  Reference group | 14.1 (9.8-18.3) | 18.9 (8.8-29.0) | 0.50 (0.23-1.09)  Group 2 |
| 0.71 (0.28-1.82)  Group 3 |
| Condition limited job opportunities |  |  |  |  |  |
| Not at all/A little bit | 81.1 (76.6-85.5) | 83.7 (74.7-92.7)  Reference group | 80.3 (74.9-85.7) | 77.8 (67.2-88.5) | 0.79 (0.38-1.66)  Group 2 |
| 0.68 (0.29-1.63)  Group 3 |
| Moderately/Quite a  bit/Extremely | 18.9 (14.5-23.4) | 16.3 (7.3-25.3)  Reference group | 19.7 (14.3-25.1) | 22.2 (11.5-32.8) | 1.26 (0.60-2.64)  Group 2 |
| 1.46 (0.61-3.49)  Group 3 |
| Condition limited a good night’s sleep |  |  |  |  |  |
| Not at all/A little bit | 54.8 (47.7-61.9) | 54.5 (38.5-70.6)  Reference group | 55.4 (47.6-63.1) | 49.7 (34.6-64.9) | 1.03 (0.51-2.10)  Group 2 |
| 0.82 (0.33-2.06)  Group 3 |
| Moderately/Quite a  bit/Extremely | 45.2 (38.1-52.3) | 45.5 (29.4-61.5)  Reference group | 44.6 (36.9-52.4) | 50.3 (35.1-65.4) | 0.97 (0.48-1.97)  Group 2 |
| 1.21 (0.49-3.02)  Group 3 |
| Overall, how much condition affects life |  |  |  |  |  |
| Not at all/A little bit | 57.8 (51.1-64.4) | 51.5 (37.0-65.9)  Reference group | 60.9 (53.4-68.4) | 50.5 (35.9-65.2) | 1.47 (0.77-2.81)  Group 2 |
| 0.96 (0.42-2.19)  Group 3 |
| Moderately/Quite a bit/  Extremely | 42.2 (35.6-48.9) | 48.5 (34.1-63.0)  Reference group | 39.1 (31.6-46.6) | 49.5 (34.8-64.1) | 0.68 (0.36-1.30)  Group 2 |
| 1.04 (0.46-2.36)  Group 3 |
| Limitation in usual activities (all) |  |  |  |  |  |
| Limited in at least 1 usual  activity | 92.6 (89.3-96.0) | 94.5 (87.0-102.0)  Reference group | 92.2 (88.1-96.3) | 88.6 (79.5-97.7) | 0.69 (0.10-4.93)  Group 2 |
| 0.45 (0.06-3.26)  Group 3 |
| Did not experience any  limitation | 7.4 (4.0-10.7) | 5.5 (-2.0-13.0)  Reference group | 7.8 (3.7-11.9) | 11.4 (2.3-20.5) | 1.45 (0.20-10.35)  Group 2 |
| 2.21 (0.31-15.86)  Group 3 |
| **Work activities** |  |  |  |  |  |
| Working status |  |  |  |  |  |
| Part-time | 17.2 (11.0-23.4) | 31.5 (15.6-47.4) | 11.1 (5.1-17.0) | N/A  Reference group | N/A |
| Full-time | 82.8 (76.6-89.0) | 68.5 (52.6-84.4) | 88.9 (83.0-94.9) | N/A  Reference group | N/A |
| Working status past week |  |  |  |  |  |
| Did not have a job/  permanently unable to work | 33.4 (27.4-39.4) | **28.2 (15.0-41.5)** | **31.4 (24.8-38.0)** | **94.0 (81.4-106.7)**  **Reference group** | **0.03 (0.00-0.41)**  **Group 1** |
| **0.03 (0.00-0.45)**  **Group 2** |
| Worked at job or business/  Had a job but was absent | 66.6 (60.6-72.6) | **71.8 (58.5-85.0)** | **68.6 (62.0-75.2)** | **6.0 (-6.7-18.6)**  **Reference group** | N/A |
| **Out-of-pocket expenses** |  |  |  |  |  |
| Medication | 55.5 (49.0-62.0) | 52.0 (37.7-66.3)  Reference group | 56.3 (48.7-64.0) | 61.7 (49.4-74.1) | 1.19 (0.62-2.31)  Group 2 |
| 1.49 (0.68-3.28)  Group 3 |
| Assistive devices | 2.6 (1.3-3.8) | **0.7 (-0.5-1.9)**  **Reference group** | 2.6 (1.0-4.2) | **10.5 (3.4-17.5)** | 3.94 (1.00-15.55)  Group 2 |
| **17.22 (4.04-73.35)**  **Group 3** |
| Rehabilitation therapy | 16.2 (11.3-21.1) | **6.8 (0.9-12.7)**  **Reference group** | **20.0 (13.3-26.7)** | 16.3 (6.1-26.5) | **3.43 (1.15-10.22)**  **Group 2** |
| 2.67 (0.63-11.40)  Group 3 |
| Home care services | 1.2 (0.5-1.8) | N/A  Reference group | 0.9 (0.2-1.7) | 8.1 (1.4-14.9) | N/A |
| **Income** |  |  |  |  |  |
| Total household income (before taxes and deductions) |  |  |  |  |  |
| Less than $60, 000 | 40.2 (33.2-47.2) | **38.0 (24.2-51.9)**  **Reference group** | 38.1 (29.8-46.4) | **82.5 (72.1-93.0)** | 1.00 (0.51-1.99)  Group 2 |
| **7.68 (2.43-24.25)**  **Group 3** |
| $60,000 and more | 59.8 (52.8-66.8) | **62.0 (48.1-75.8)**  **Reference group** | 61.9 (53.6-70.2) | **17.5 (7.0-27.9)** | 1.00 (0.50-1.97)  Group 2 |
| **0.13 (0.04-0.41)**  **Group 3** |

PHQ=Patient Health Questionnaire

**BOLD** indicates significance at p<0.05

\*Proportion is reported unless otherwise specified

Logistic regression was used to generate odds ratios.