

## Supplementary Tables

**Table 1: Distribution according to socio-demographic characteristics of respondents in the national WHO Stepwise survey, Senegal 2015**

|  | n                 | %    | 95%CI           | N    |
|--|-------------------|------|-----------------|------|
| <b>GLOBAL CONTEXT: ENVIRONMENT</b>   |                   |      |                 |      |
| <b>Environment</b>   |                   |      |                 | 5343 |
| Rural  | 3103              | 58.1 | [56.73 ; 59.40] |      |
| Urban  | 2240              | 41.9 | [40.59 ; 43.26] |      |
| <b>LIVING ENVIRONMENTS: FAMILY</b>   |                   |      |                 |      |
| <b>Number of people over the age of eighteen living in the household under your care</b> |                   |      |                 |      |
| Mean (Standard Deviation)  | 4.37 (2.88)       | -    | [4.29 ; 4.44]   |      |
| Median [Min, Max]  | 4.00 [1.00, 30.0] | -    | -               |      |
| <b>INDIVIDUAL CHARACTERISTICS OF SOCIODEMOGRAPHIC ECONOMIC ORDER</b>                     |                   |      |                 |      |
| <b>Sex</b>   |                   |      |                 | 5343 |
| Male   | 1958              | 36.6 | [35.35 ; 37.95] |      |
| Women  | 3385              | 63.4 | [62.04 ; 64.64] |      |
| <b>Age in class</b>  |                   |      |                 | 5343 |
| 18-23 years old  | 1009              | 18.9 | [17.84 ; 19.96] |      |
| 24-29 years old  | 806               | 15.1 | [14.14 ; 16.07] |      |
| 30-34 years old  | 700               | 13.1 | [12.21 ; 14.04] |      |
| 35-39 years old  | 627               | 11.7 | [10.89 ; 12.63] |      |
| 40-44 years old  | 603               | 11.3 | [10.45 ; 12.17] |      |
| 45-49 years old  | 454               | 8.5  | [7.76 ; 9.28]   |      |
| 50-54 years old  | 380               | 7.1  | [6.44 ; 7.84]   |      |
| 55-59 years old  | 329               | 6.2  | [5.53 ; 6.84]   |      |
| 60-64 years old  | 244               | 4.6  | [4.03 ; 5.16]   |      |
| 65-70 years old  | 191               | 3.6  | [3.10 ; 4.11]   |      |
| <b>Number of years to study</b>  |                   |      |                 | 5272 |
| Mean (Standard Deviation)  | 4.17 (5.35)       | -    | [4.02 ; 4.32]   |      |
| Median [Min, Max]  | 1.00 [0, 30.0]    | -    | -               |      |
| <b>Highest level of education attained</b>   |                   |      |                 | 5337 |
| Refusal to answer  | 4                 | 0.1  | [0.02 ; 0.20]   |      |
| No official instructions   | 2952              | 55.3 | [53.96 ; 56.65] |      |
| Less than primary school   | 614               | 11.5 | [10.66 ; 12.39] |      |
| End of primary school  | 787               | 14.7 | [13.81 ; 15.73] |      |
| End of secondary school  | 480               | 9.0  | [8.24 ; 9.80]   |      |
| End of high school or equivalent   | 247               | 4.6  | [4.08 ; 5.23]   |      |
| College, University  | 196               | 3.7  | [3.19 ; 4.22]   |      |
| Post-graduate diploma obtained   | 57                | 1.1  | [0.81 ; 1.39]   |      |
| <b>Marital status</b>  |                   |      |                 | 5343 |
| Cohabitation   | 6                 | 0.1  | [0.04 ; 0.25]   |      |
| Divorced   | 130               | 2.4  | [2.04 ; 2.89]   |      |
| Never married  | 949               | 17.8 | [16.75 ; 18.81] |      |
| Bride  | 3937              | 73.7 | [72.47 ; 74.85] |      |
| Refusal to answer  | 7                 | 0.1  | [0.05 ; 0.28]   |      |
| Separated  | 36                | 0.7  | [0.47 ; 0.94]   |      |
| Widowed  | 278               | 5.2  | [4.63 ; 5.84]   |      |
| <b>Socio-professional activity</b>   |                   |      |                 | 5343 |
| Volunteer  | 46                | 0.9  | [0.63 ; 1.15]   |      |
| Unemployed   | 311               | 5.8  | [5.21 ; 6.49]   |      |
| Private employee   | 307               | 5.7  | [5.14 ; 6.41]   |      |
| State employee   | 130               | 2.4  | [2.04 ; 2.89]   |      |
| Student)   | 363               | 6.8  | [6.14 ; 7.50]   |      |
| Self-employed (including farmer, breeder, fisherman)                                     | 2565              | 48.0 | [46.65 ; 49.35] |      |

|  |      |      |                 |      |
|--|------|------|-----------------|------|
| Invalid                                  | 4    | 0.1  | [0.02 ; 0.20]   | 2217 |
| Housewife                                | 1522 | 28.5 | [27.28 ; 29.72] |      |
| Refusal to answer                        | 11   | 0.2  | [0.10 ; 0.38]   |      |
| Retirement                               | 84   | 1.6  | [1.26 ; 1.95]   |      |
| <b>Estimated annual household income</b> |      |      |                 |      |
| Refusal to answer                        | 90   | 4.1  | [3.29 ; 4.98]   |      |
| Do not know                              | 1074 | 48.4 | [46.34 ; 50.54] |      |
| Less than 60,000 CFA                     | 239  | 10.8 | [9.53 ; 12.16]  |      |
| Between 60,000 and 100,000 CFA           | 130  | 5.9  | [4.93 ; 6.94]   |      |
| Between 100,000 and 150,000 CFA          | 126  | 5.7  | [4.77 ; 6.75]   |      |
| Between 150,000 and 225,000 CFA          | 144  | 6.5  | [5.52 ; 7.62]   |      |
| More than 225,000 CFA                    | 414  | 18.7 | [17.08 ; 20.37] |      |

**Table 2: Distribution according to variables relating to smoked tobacco in the national WHO Stepwise survey, Senegal 2015**

|   | n                 | %    | 95%CI           | N           |
|---|-------------------|------|-----------------|-------------|
| <b>SMOKING ACTIVE SMOKING</b>   |                   |      |                 |             |
| <b>Current consumption of smoked tobacco</b>  |                   |      |                 | <b>5321</b> |
| No  | 5008              | 94.1 | [93.44 ; 94.72] |             |
| Yes   | 313               | 5.9  | [5.27 ; 6.55]   |             |
| <b>Daily consumption of smoked tobacco</b>  |                   |      |                 | <b>313</b>  |
| No  | 36                | 11.5 | [8.28 ; 15.69]  |             |
| Yes   | 277               | 88.5 | [84.30 ; 91.71] |             |
| <b>The duration of the daily consumption of smoked tobacco in terms of age of onset</b> |                   |      |                 | <b>295</b>  |
| Mean (Standard Deviation)   | 19.4 (5.78)       | -    | [18.69 ; 20.02] |             |
| Median [Min, Max]   | 19.0 [8.00, 46.0] | -    | -               |             |
| <b>The average amount of daily industrial cigarette consumption</b>                     |                   |      |                 | <b>269</b>  |
| Mean (Standard Deviation)   | 5.32 (6.16)       | -    | [4.58 ; 6.05]   |             |
| Median [Min, Max]   | 4.00 [0, 25.0]    | -    | -               |             |
| <b>The average amount of daily consumption of rolled cigarettes</b>                     |                   |      |                 | <b>264</b>  |
| Mean (Standard Deviation)   | 2.34 (5.00)       | -    | [1.73 ; 2.95]   |             |
| Median [Min, Max]   | 0 [0, 30.0]       | -    | -               |             |
| <b>The average amount of daily pipe consumption</b>                                     |                   |      |                 | <b>268</b>  |
| Mean (Standard Deviation)   | 1.18 (4.05)       | -    | [0.69 ; 1.67]   |             |
| Median [Min, Max]   | 0 [0, 30.0]       | -    | -               |             |
| <b>The average amount of daily consumption of cigars, cigarillons</b>                   |                   |      |                 | <b>272</b>  |
| Mean (Standard Deviation)   | 0.0110 (0.182)    | -    | [0.010 ; 0.032] |             |
| Median [Min, Max]   | 0 [0, 3.00]       | -    | -               |             |
| <b>The average amount of weekly industrial cigarette consumption</b>                    |                   |      |                 | <b>79</b>   |
| Mean (Standard Deviation)   | 5.63 (18.6)       | -    | [1.45 ; 9.80]   |             |
| Median [Min, Max]   | 0 [0, 140]        | -    | -               |             |
| <b>The average amount of weekly consumption of rolled cigarettes</b>                    |                   |      |                 | <b>131</b>  |
| Mean (Standard Deviation)   | 0.664 (4.07)      | -    | [0.039 ; 1.36]  |             |
| Median [Min, Max]   | 0 [0, 35.0]       | -    | -               |             |
| <b>The average amount of weekly pipe consumption</b>                                    |                   |      |                 | <b>148</b>  |
| Mean (Standard Deviation)   | 0.0473 (0.294)    | -    | [0.00039;0.094] |             |
| Median [Min, Max]   | 0 [0, 2.00]       | -    | -               |             |
| <b>The average amount of weekly consumption of cigars, cigarillons</b>                  |                   |      |                 | <b>153</b>  |
| Mean (Standard Deviation)   | 0.0392 (0.485)    | -    | [0.038 ; 0.11]  |             |
| Median [Min, Max]   | 0 [0, 6.00]       | -    | -               |             |
| <b>Past smoking</b>   |                   |      |                 | <b>4995</b> |
| No  | 4722              | 94.5 | [93.85 ; 95.14] |             |
| Yes   | 273               | 5.5  | [4.85 ; 6.14]   |             |
| <b>Daily consumption in the past</b>  |                   |      |                 | <b>307</b>  |
| No  | 61                | 19.9 | [15.64 ; 24.86] |             |
| Yes   | 246               | 80.1 | [75.13 ; 84.35] |             |
| <b>The age of smoking cessation in terms of the age at which you stopped</b>            |                   |      |                 | <b>266</b>  |
| Mean (Standard Deviation)   | 30.2 (12.1)       | -    | [28.71 ; 31.62] |             |
| Median [Min, Max]   | 28.5 [8.00, 64.0] | -    | -               |             |
| <b>Smoking cessation attempt in the last 12 months</b>                                  |                   |      |                 | <b>311</b>  |
| No  | 123               | 39.5 | [34.11 ; 45.24] |             |
| Yes   | 188               | 60.5 | [54.75 ; 65.88] |             |
| <b>PASSIVE SMOKING</b>  |                   |      |                 |             |

|   |                |      |                 |             |
|---|----------------|------|-----------------|-------------|
| <b>Exposure to second-hand tobacco smoke in the past 30 days at home</b>                      |                |      |                 | <b>5305</b> |
| No  | 4262           | 80.3 | [79.23 ; 81.39] |             |
| Yes   | 1043           | 19.7 | [18.60 ; 20.76] |             |
| <b>Exposure to second-hand tobacco smoke in the last 30 years in an enclosed area at work</b> |                |      |                 | <b>5304</b> |
| Do not work in a closed environment   | 1933           | 36.4 | [35.14 ; 37.75] |             |
| No  | 3026           | 57.1 | [55.70 ; 58.38] |             |
| Yes   | 345            | 6.5  | [5.86 ; 7.21]   |             |
| <b>Exposure to second-hand tobacco smoke both at home and at work</b>                         |                |      |                 | <b>5305</b> |
| No  | 5068           | 95.5 | [94.93 ; 96.06] |             |
| Yes   | 237            | 4.5  | [3.93 ; 5.06]   |             |
| <b>Exposure to second-hand tobacco smoke at home and/or work</b>                              |                |      |                 | <b>5304</b> |
| No  | 4153           | 78.3 | [77.16 ; 79.39] |             |
| Yes   | 1151           | 21.7 | [20.60 ; 22.83] |             |
| <b>NON-SMOKED SMOKING</b>   |                |      |                 |             |
| <b>Current use of smokeless tobacco</b>   |                |      |                 | <b>5303</b> |
| No  | 5279           | 99.5 | [99.31 ; 99.70] |             |
| Yes   | 24             | 0.5  | [0.29 ; 0.68]   |             |
| <b>Daily consumption of smokeless tobacco</b>   |                |      |                 | <b>23</b>   |
| No  | 5              | 21.7 | [8.29 ; 44.20]  |             |
| Yes   | 18             | 78.3 | [55.79 ; 91.70] |             |
| <b>Daily frequency of sucking tobacco use</b>   |                |      |                 | <b>17</b>   |
| Mean (Standard Deviation)   | 5.71 (5.47)    | -    | [2.89 ; 8.52]   |             |
| Median [Min, Max]   | 7.00 [0, 20.0] | -    | -               |             |
| <b>Daily frequency of snuff use</b>   |                |      |                 | <b>17</b>   |
| Mean (Standard Deviation)   | 0.29 (1.21)    | -    | -               |             |
| Median [Min, Max]   | 0 [0, 5.00]    | -    | -               |             |
| <b>Daily frequency of chewing tobacco use</b>   |                |      |                 | <b>16</b>   |
| Mean (Standard Deviation)   | 1.12 (2.13)    | -    | [0.0074 ; 2.25] |             |
| Median [Min, Max]   | 0 [0, 7.00]    | -    | -               |             |
| <b>Daily frequency of hemp consumption</b>  |                |      |                 | <b>16</b>   |
| Mean (Standard Deviation)   | 0 (0)          | -    | -               |             |
| Median [Min, Max]   | 0 [0, 0]       | -    | -               |             |
| <b>Weekly frequency of snuff tobacco use</b>  |                |      |                 | <b>5</b>    |
| Mean (Standard Deviation)   | 0 (0)          | -    | -               |             |
| Median [Min, Max]   | 0 [0, 0]       | -    | -               |             |
| <b>Weekly frequency of snuff use</b>  |                |      |                 | <b>16</b>   |
| Mean (Standard Deviation)   | 0 (0)          | -    | -               |             |
| Median [Min, Max]   | 0 [0, 0]       | -    | -               |             |
| <b>Weekly frequency of chewing tobacco consumption</b>  |                |      |                 | <b>10</b>   |
| Mean (Standard Deviation)   | 0.300 (0.675)  | -    | [0.18 ; 0.78]   |             |
| Median [Min, Max]   | 0 [0, 2.00]    | -    | -               |             |
| <b>Weekly frequency of hemp consumption</b>   |                |      |                 | <b>16</b>   |
| Mean (Standard Deviation)   | 0 (0)          | -    | -               |             |
| Median [Min, Max]   | 0 [0, 0]       | -    | -               |             |
| <b>The former consumption of non-smoked tobacco</b>   |                |      |                 | <b>5281</b> |
| No  | 5263           | 99.7 | [99.45 ; 99.79] |             |
| Yes   | 18             | 0.3  | [0.20 ; 0.54]   |             |
| <b>Former daily consumption of non-smoked tobacco</b>   |                |      |                 | <b>24</b>   |
| No  | 15             | 62.5 | [40.75 ; 80.44] |             |
| Yes   | 9              | 37.5 | [19.55 ; 59.24] |             |

**Table 3: Distribution according to alcohol consumption over the last 12 months and last 30 days preceding the national WHO Stepwise survey, Senegal 2015.**

|  | n                 | %    | 95% CI          | N    |
|--|-------------------|------|-----------------|------|
| <b>ALCOHOL CONSUMPTION OVER THE LAST 12 MONTHS AND LAST 30 DAYS PRIOR TO THE SURVEY</b>  |                   |      |                 |      |
| <b>Naiveness in relation to alcohol consumption</b>  |                   |      |                 | 5302 |
| No   | 5124              | 96.6 | [96.11 ; 97.10] |      |
| Yes  | 178               | 3.4  | [2.89 ; 3.88]   |      |
| <b>Alcohol consumption in the past 12 months</b>   |                   |      |                 | 175  |
| No   | 67                | 38.3 | [31.13 ; 45.95] |      |
| Yes  | 108               | 61.7 | [54.04 ; 68.86] |      |
| <b>Alcohol consumption over the past 30 days</b>   |                   |      |                 | 108  |
| No   | 38                | 35.2 | [26.40 ; 45.03] |      |
| Yes  | 70                | 64.8 | [54.96 ; 73.59] |      |
| <b>FREQUENCY AND QUANTITY OF ALCOHOL CONSUMPTION OVER THE LAST 12 MONTHS AND LAST 30 DAYS PRIOR TO THE SURVEY</b>  |                   |      |                 |      |
| <b>Frequency of alcohol consumption over the past 12 months</b>  |                   |      |                 | 107  |
| Less than once a month   | 50                | 46.7 | [37.10 ; 56.58] |      |
| 1-3 days per month   | 20                | 18.7 | [12.05 ; 27.63] |      |
| 1-2 days a week  | 15                | 14.0 | [8.31 ; 22.38]  |      |
| 3-4 days a week  | 3                 | 2.80 | [0.72 ; 8.57]   |      |
| 5-6 days a week  | 4                 | 3.74 | [1.20 ; 9.85]   |      |
| Daily  | 15                | 14.0 | [8.31 ; 22.38]  |      |
| <b>Frequency of alcohol consumption over the past 30 days:</b>   |                   |      |                 | 65   |
| <b>Number of occasions of alcohol consumption of at least 1 standard drink</b>   |                   |      |                 |      |
| Mean (Standard Deviation)  | 3.97 (6.03)       | -    | [2.47 ; 5.46]   |      |
| Median [Min, Max]  | 2.00 [1.00, 30.0] | -    | -               |      |
| <b>The average number of standard drinks of alcohol drunk per drinking occasion in the past 30 days</b>  |                   |      |                 |      |
| Mean (Standard Deviation)  | 4.22 (6.86)       | -    | [2.51 ; 5.91]   |      |
| Median [Min, Max]  | 2.00 [1.00, 45.0] | -    | -               |      |
| <b>Most standard drinks of alcohol drunk at one time in the past 30 days</b>   |                   |      |                 | 62   |
| Mean (Standard Deviation)  | 3.98 (6.41)       | -    | [2.35 ; 5.61]   |      |
| Median [Min, Max]  | 3.00 [1.00, 50.0] | -    | -               |      |
| <b>During the past 30 days, how often did you have six or more standard drinks of alcohol on one occasion? Heavy alcohol consumption in the past 30 days</b> |                   |      |                 | 63   |
| Mean (Standard Deviation)  | 2.11 (2.96)       | -    | [1.36 ; 2.85]   |      |
| Median [Min, Max]  | 1.00 [0, 15.0]    | -    | -               |      |
| <b>FREQUENCY OF ALCOHOL CONSUMPTION IN THE 7 DAYS OF THE LAST WEEK PRIOR TO THE SURVEY</b>   |                   |      |                 |      |
| <b>The number of standard drinks of alcohol drunk on each of the 7 days in the last week</b>   |                   |      |                 |      |
| <b>Monday</b>  |                   |      |                 | 54   |
| Mean (Standard Deviation)  | 1.24 (5.48)       | -    | [0.25 ; 2.73]   |      |
| Median [Min, Max]  | 0 [0, 40.0]       | -    | -               |      |
| <b>Tuesday</b>   |                   |      |                 | 53   |
| Mean (Standard Deviation)  | 1.32 (5.55)       | -    | [0.20 ; 2.85]   |      |
| Median [Min, Max]  | 0 [0, 40.0]       | -    | -               |      |
| <b>Wednesday</b>   |                   |      |                 | 53   |
| Mean (Standard Deviation)  | 1.34 (5.58)       | -    | [0.19 ; 2.87]   |      |
| Median [Min, Max]  | 0 [0, 40.0]       | -    | -               |      |
| <b>THURSDAY</b>  |                   |      |                 | 54   |
| Mean (Standard Deviation)  | 1.28 (5.55)       | -    | [0.23 ; 2.79]   |      |
| Median [Min, Max]  | 0 [0, 40.0]       | -    | -               |      |
| <b>Friday</b>  |                   |      |                 | 55   |
| Mean (Standard Deviation)  | 1.33 (5.48)       | -    | [0.15 ; 2.80]   |      |

|  |                 |      |   |             |
|--|-----------------|------|---|-------------|
| Median [Min, Max]  | 0 [0, 40.0]     | -    |   |             |
| <b>SATURDAY</b>  |                 |      |   | <b>54</b>   |
| Mean (Standard Deviation)  | 1.87 (5.57)     | -    | [0.35 ; 3.39]                                     |             |
| Median [Min, Max]  | 0.500 [0, 40.0] | -    | -   |             |
| <b>Sunday</b>  |                 |      |   | <b>56</b>   |
| Mean (Standard Deviation)  | 1.98 (5.71)     | -    | [0.45 ; 3.51]                                     |             |
| Median [Min, Max]  | 0 [0, 40.0]     | -    | -   |             |
| <b>DEPENDENCY AND NEGATIVE CONSEQUENCES DUE TO ALCOHOL CONSUMPTION IN THE LAST 12 MONTHS</b>   |                 |      |   |             |
| <b>Dependence on alcohol consumption in the past 12 months: In the past 12 months, how often have you noticed that you were no longer able to stop drinking after you started?</b>                                   |                 |      |   | <b>70</b>   |
| Never  | 50              | 71.4 | [59.20 ; 81.28]                                   |             |
| Less than once a month   | 5               | 7.1  | [2.65 ; 16.56]                                    |             |
| Once a month   | 4               | 5.7  | [1.84 ; 14.73]                                    |             |
| Once a week  | 4               | 5.7  | [1.84 ; 14.73]                                    |             |
| Daily or Almost  | 7               | 10.0 | [4.45 ; 20.10]                                    |             |
| <b>Dependence on alcohol consumption in the past 12 months: In the past 12 months, how often, after a period of heavy drinking, did you have to drink alcohol first thing in the morning to get back into shape?</b> |                 |      |   | <b>108</b>  |
| Never  | 85              | 78.7 | [69.56 ; 85.75]                                   |             |
| Less than once a month   | 7               | 6.5  | [2.86 ; 13.36]                                    |             |
| Once a month   | 1               | 0.9  | [0.48 ; 5.79]                                     |             |
| Once a week  | 9               | 8.3  | [4.12 ; 15.64]                                    |             |
| Daily or Almost  | 6               | 5.6  | [2.27 ; 12.18]                                    |             |
| <b>Negative consequences of drinking alcohol in the past 12 months: In the past 12 months, how often did drinking alcohol prevent you from doing what you were normally expected of you?</b>                         |                 |      |   | <b>108</b>  |
| Never  | 94              | 87.0 | [78.87 ; 92.47]                                   |             |
| Less than once a month   | 5               | 4.6  | [1.71 ; 10.99]                                    |             |
| Once a month   | 1               | 0.9  | [0.48 ; 5.79]                                     |             |
| Once a week  | 6               | 5.6  | [2.27 ; 12.18]                                    |             |
| Daily or Almost  | 2               | 1.9  | [0.32 ; 7.18]                                     |             |
| <b>The negative consequences of drinking alcohol in the past 12 months: In the past 12 months, have you had problems with your family or with your partner because of someone else's drinking ?</b>                  |                 |      |   | <b>5267</b> |
| No   | 5206            | 98.8 | [98.50 ; 99.10]                                   |             |
| Yes, once or twice   | 32              | 0.6  | [0.42 ; 0.86]                                     |             |
| Yes, several times but less than once a month  | 6               | 0.1  | [0.04 ; 0.26]                                     |             |
| Yes, every month   | 1               | 0.02 | [9.91 x10 <sup>-6</sup> ; 1.23x10 <sup>-3</sup> ] |             |
| Yes, more than once a month  | 22              | 0.4  | [0.26 ; 0.64]                                     |             |
| <b>STOP ALCOHOL CONSUMPTION FOR HEALTH REASONS</b>   |                 |      |   |             |
| <b>Stopping alcohol consumption for health reasons</b>   |                 |      |   | <b>64</b>   |
| No   | 45              | 70.3 | [57.41 ; 80.75]                                   |             |
| Yes  | 19              | 29.7 | [19.24 ; 42.58]                                   |             |
| <b>CONSUMPTION OF TAX-FREE ALCOHOL AS BRAZE AT HOME IN THE LAST 7 DAYS</b>   |                 |      |   |             |
| <b>Consumption of tax-free alcohol such as brazed at home in the past 7 days</b>   |                 |      |   | <b>70</b>   |
| No   | 51              | 72.9 | [60.70 ; 82.47]                                   |             |
| Yes  | 19              | 27.1 | [17.52 ; 39.29]                                   |             |
| <b>Amount of tax-exempt alcohol consumption as home brewed in the last 7 days: Liquor brewed at home</b>   |                 |      |   | <b>14</b>   |
| Mean (Standard Deviation)  | 1.07 (1.69)     | -    | [0.098 ; 2.04]                                    |             |
| Median [Min, Max]  | 0.500 [0, 6.00] | -    | -   |             |
| <b>Quantity of tax-exempt alcohol consumption as home-brewed in the last 7 days: Beer or Wine home-brewed</b>  |                 |      |   | <b>16</b>   |
| Mean (Standard Deviation)  | 2.63 (2.03)     | -    | [1.54 ; 3.70]                                     |             |
| Median [Min, Max]  | 2.00 [0, 7.00]  | -    | -   |             |

|   |                |   |                      |           |
|---|----------------|---|----------------------|-----------|
| <b>Amount of consumption of tax-exempt alcohol as home-brewed in the last 7 days: Alcohol imported from another country</b> |                |   |                      | <b>15</b> |
| Mean (Standard Deviation)   | 0.733 (1.10)   | - | <b>[0.12 ; 1.34]</b> |           |
| Median [Min, Max]   | 0 [0, 4.00]    | - | -                    |           |
| <b>Amount of tax-exempt alcohol consumption as home-brewed in the last 7 days: Alcohol not intended for consumption</b>     |                |   |                      | <b>11</b> |
| Mean (Standard Deviation)   | 0.364 (1.21)   | - |                      |           |
| Median [Min, Max]   | 0 [0, 4.00]    | - |                      |           |
| <b>Amount of tax-exempt alcohol consumption as home-brewed in the last 7 days: Other tax-exempt alcohol</b>                 |                |   |                      | <b>12</b> |
| Mean (Standard Deviation)   | 0.0833 (0.289) | - |                      |           |
| Median [Min, Max]   | 0 [0, 1.00]    | - |                      |           |

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**Table 4: Distribution according to fruit and vegetable consumption in the WHO national Stepwise survey, Senegal 2015.**

|   | n                 | %    | 95%CI           | N           |
|---|-------------------|------|-----------------|-------------|
| <b>FRUIT AND VEGETABLE CONSUMPTION</b>  |                   |      |                 |             |
| <b>The frequency of fruit consumption in terms of number of days per week</b>                         |                   |      |                 | <b>5187</b> |
| Mean (Standard Deviation)   | 2.39 (2.27)       | -    | [2.32 ; 2.45]   |             |
| Median [Min, Max]   | 2.00 [0, 7.00]    | -    | -               |             |
| <b>The amount of fruit consumption in terms of portions consumed in a consumption day</b>             |                   |      |                 | <b>3971</b> |
| Mean (Standard Deviation)   | 1.91 (1.38)       | -    | [1.86 ; 1.95]   |             |
| Median [Min, Max]   | 2.00 [1.00, 20.0] | -    | -               |             |
| <b>The frequency of vegetable consumption in terms of number of days per week</b>                     |                   |      |                 | <b>5253</b> |
| Mean (Standard Deviation)   | 4.93 (2.52)       | -    | [4.86 ; 5.00]   |             |
| Median [Min, Max]   | 7.00 [0, 7.00]    | -    | -               |             |
| <b>The amount of vegetable consumption in terms of servings consumed in a consumption day</b>         |                   |      |                 | <b>4747</b> |
| Mean (Standard Deviation)   | 3.99 (2.86)       | -    | [3.90 ; 4.06]   |             |
| Median [Min, Max]   | 3.00 [1.00, 20.0] | -    | -               |             |
| <b>Consumption of uncooked vegetables</b>   |                   |      |                 | <b>4831</b> |
| No  | 3285              | 68.0 | [66.65 ; 69.30] |             |
| Yes   | 1546              | 32.0 | [30.69 ; 33.34] |             |
| <b>The frequency in days per week of the consumption of uncooked vegetables</b>                       |                   |      |                 | <b>1538</b> |
| Mean (Standard Deviation)   | 2.25 (1.86)       | -    | [2.15 ; 2.34]   |             |
| Median [Min, Max]   | 2.00 [1.00, 20.0] | -    | -               |             |
| <b>SALT CONSUMPTION</b>   |                   |      |                 |             |
| <b>The frequency of adding salt or a salty sauce or a salty seasoning to the meal after cooking</b>   |                   |      |                 | <b>5292</b> |
| Do not know   | 62                | 1.17 | [0.90 ; 1.50]   |             |
| Never   | 3342              | 63.2 | [61.83 ; 64.45] |             |
| Rarely  | 474               | 8.96 | [8.20 ; 9.76]   |             |
| Sometimes   | 296               | 5.59 | [4.99 ; 6.25]   |             |
| Often   | 477               | 9.01 | [8.26 ; 9.82]   |             |
| Always  | 641               | 12.1 | [11.25 ; 13.02] |             |
| <b>The frequency of adding salt or a salty sauce or salty seasoning when cooking the meal at home</b> |                   |      |                 | <b>5292</b> |
| Do not know   | 84                | 1.59 | [1.27 ; 1.97]   |             |
| Never   | 784               | 14.8 | [13.87 ; 15.80] |             |
| Rarely  | 374               | 7.07 | [6.39 ; 7.79]   |             |
| Sometimes   | 277               | 5.23 | [4.65 ; 5.87]   |             |
| Often   | 383               | 7.24 | [6.56 ; 7.97]   |             |
| Always  | 3390              | 64.1 | [62.74 ; 65.35] |             |
| <b>The frequency of eating foods high in salt (pre-packaged salty snacks, canned food, fast food)</b> |                   |      |                 | <b>5290</b> |
| Do not know   | 140               | 2.65 | [2.23 ; 3.12]   |             |
| Never   | 2433              | 46.0 | [44.64 ; 47.34] |             |
| Rarely  | 1320              | 25.0 | [23.79 ; 26.14] |             |
| Sometimes   | 640               | 12.1 | [11.23 ; 13.01] |             |
| Often   | 553               | 10.5 | [9.64 ; 11.31]  |             |
| Always  | 204               | 3.86 | [3.36 ; 4.41]   |             |
| <b>The degree of personal perception of the importance of reducing consumption</b>                    |                   |      |                 | <b>5294</b> |
| Do not know   | 111               | 2.10 | [1.73 ; 2.52]   |             |
| Not important at all  | 214               | 4.04 | [3.53 ; 4.61]   |             |
| Rather important  | 1012              | 19.1 | [18.07 ; 20.20] |             |
| Very important  | 3957              | 74.7 | [73.54 ; 75.90] |             |



|  |      |      |   |             |
|--|------|------|---|-------------|
| <b>The knowledge that high salt consumption can cause health problems</b>  |      |      |   | <b>5295</b> |
| Yes  | 4696 | 88.7 |   |             |
| No   | 445  | 8.40 |   |             |
| Do not know  | 154  | 2.91 |   |             |
| <b>Regular attitude taken to control your salt intake: Limit the consumption of salty ready meals</b>                          |      |      |   | <b>5294</b> |
| No   | 1744 | 32.9 | [31.68 ; 34.23]                                 |             |
| Yes  | 3550 | 67.1 | [65.76 ; 68.31]                                 |             |
| <b>Regular attitude taken to control your salt intake: Check the salt content indicated on the labels</b>                      |      |      |   | <b>5294</b> |
| No   | 4448 | 84.0 | [82.99 ; 84.99]                                 |             |
| Yes  | 846  | 16.0 | [15.00 ; 17.00]                                 |             |
| <b>Regular attitude taken to control your salt intake: Buy salt and/or sodium substitutes</b>                                  |      |      |   | <b>5294</b> |
| No   | 3230 | 61.0 | [59.68 ; 62.32]                                 |             |
| Yes  | 2064 | 39.0 | [37.67 ; 40.31]                                 |             |
| <b>Regular attitude taken to control your salt intake: Use spices other than salt in the preparation of dishes</b>             |      |      |   | <b>5294</b> |
| No   | 2618 | 49.5 | [48.09 ; 50.80]                                 |             |
| Yes  | 2676 | 50.5 | [49.19 ; 51.90]                                 |             |
| <b>Regular attitude taken to control your salt intake: Avoid eating meals prepared elsewhere than at home</b>                  |      |      |   | <b>5294</b> |
| No   | 2822 | 53.3 | [51.95 ; 54.65]                                 |             |
| Yes  | 2472 | 46.7 | [45.34 ; 48.04]                                 |             |
| <b>Regular attitude taken to control your salt intake: Any other measure intended specifically to control your salt intake</b> |      |      |   | <b>5294</b> |
| No   | 5264 | 99.4 | [99.18 ; 99.61]                                 |             |
| Yes  | 30   | 0.57 | [0.38 ; 0.81]                                   |             |
| <b>FAST SUGAR CONSUMPTION</b>  |      |      |   |             |
| <b>Sugar consumption in cubes</b>  |      |      |   | <b>5298</b> |
| No   | 87   | 1.6  | [1.32 ; 2.03]                                   |             |
| Yes  | 5211 | 98.4 | [97.96 ; 98.67]                                 |             |
| <b>Consumption of sugary drinks</b>  |      |      |   | <b>5297</b> |
| No   | 902  | 17.0 | [16.03 ; 18.07]                                 |             |
| Yes  | 4395 | 83.0 | [81.92 ; 83.96]                                 |             |
| <b>The type of sugary drink consumed</b>   |      |      |   | <b>4395</b> |
| Other  | 2247 | 51.1 | [49.63 ; 52.61]                                 |             |
| Commercial fruit juice   | 572  | 13.0 | [12.04 ; 14.05]                                 |             |
| Traditional juices   | 927  | 21.1 | [19.90 ; 22.33]                                 |             |
| Canned or bottled sodas  | 649  | 14.8 | [13.73 ; 15.85]                                 |             |
| <b>The amount of refined sugar cubes used for breakfast</b>  |      |      |   | <b>4394</b> |
| 1 block  | 368  | 8.38 | [7.58 ; 9.24]                                   |             |
| 2 blocks   | 2231 | 50.8 | [49.28 ; 52.26]                                 |             |
| 3 blocks   | 1020 | 23.2 | [21.97 ; 24.49]                                 |             |
| 4 or more blocks   | 775  | 17.6 | [16.52 ; 18.80]                                 |             |
| <b>FAT CONSUMPTION</b>   |      |      |   |             |
| <b>The type of fat used most often for the preparation of meals at home</b>  |      |      |   | <b>5295</b> |
| None used  | 8    | 0.2  | [0.07 ; 0.31]                                   |             |
| None in particular   | 22   | 0.4  | [0.26 ; 0.63]                                   |             |
| Vegetable oil  | 5113 | 96.6 | [96.02 ; 97.02]                                 |             |
| Bacon or fat   | 77   | 1.5  | [1.15 ; 1.82]                                   |             |
| Butter or light butter   | 7    | 0.1  | [0.05 ; 0.28]                                   |             |
| Margarine  | 4    | 0.1  | [0.02 ; 0.20]                                   |             |
| Others   | 1    | 0.02 | [9.85x10 <sup>-6</sup> ;1.22x10 <sup>-3</sup> ] |             |
| Do not know  | 63   | 1.2  | [0.92 ; 1.52]                                   |             |
| <b>Palm oil consumption</b>  |      |      |   | <b>5295</b> |
| No   | 1103 | 20.8 | [19.74 ; 21.95]                                 |             |
| Yes  | 4192 | 79.2 | [78.04 ; 80.25]                                 |             |

|  |             |      |                 |             |
|--|-------------|------|-----------------|-------------|
| <b>The frequency of palm oil consumption</b>                           |             |      |                 | <b>4192</b> |
| Less than once a week - every 15 days                                  | 2524        | 60.2 | [58.70 ; 61.69] |             |
| Once a week  | 976         | 23.3 | [22.01 ; 24.59] |             |
| More than once a week  | 692         | 16.5 | [15.40 ; 17.67] |             |
| <b>How do you eat at home?</b>   |             |      |                 | <b>5272</b> |
| Senegalese style   | 5173        | 98.1 | [97.70 ; 98.46] |             |
| European style   | 29          | 0.55 | [0.37 ; 0.80]   |             |
| Do not know  | 3           | 0.06 | [0.01 ; 0.18]   |             |
| A mixture of both  | 67          | 1.27 | [0.99 ; 1.62]   |             |
| <b>The average number of meals eaten per week not prepared at home</b> |             |      |                 | <b>5149</b> |
| Mean (Standard Deviation)  | 1.03 (2.39) | -    | [0.96 ; 1.09]   |             |
| Median [Min, Max]  | 0 [0, 21.0] | -    | -               |             |

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**Table 5: Distribution according to intense physical activity at work in the national WHO Stepwise survey, Senegal 2015**

|   | n                 | %    | 95%CI           | N           |
|---|-------------------|------|-----------------|-------------|
| <b>INTENSE PHYSICAL ACTIVITY AT WORK</b>  |                   |      |                 |             |
| <b>Does your job include strenuous physical activity, for at least 10 minutes at a time?</b>  |                   |      |                 | <b>5299</b> |
| No  | 4206              | 79.4 | [78.25 ; 80.45] |             |
| Yes   | 1093              | 20.6 | [19.54 ; 21.74] |             |
| <b>The number of days per week that you do vigorous physical activity as part of your job</b>   |                   |      |                 | <b>1083</b> |
| Mean (Standard Deviation)   | 5.37 (2.11)       | -    | [5.24 ; 5.49]   |             |
| Median [Min, Max]   | 7.00 [1.00, 7.00] | -    | -               |             |
| <b>The total time spent on a typical day during which you perform intense physical activities of at least ten consecutive minutes? In hour</b>  |                   |      |                 | <b>1070</b> |
| Mean (Standard Deviation)   | 4.29 (3.52)       | -    | [4.07 ; 4.49]   |             |
| Median [Min, Max]   | 4.00 [0, 16.0]    | -    | -               |             |
| <b>MODERATE PHYSICAL ACTIVITY AT WORK</b>   |                   |      |                 |             |
| <b>Does your work include moderate physical activity for at least 10 minutes at a time?</b>   |                   |      |                 | <b>5299</b> |
| No  | 2930              | 55.3 | [53.94 ; 56.63] |             |
| Yes   | 2369              | 44.7 | [43.36 ; 46.05] |             |
| <b>The frequency in number of days per week that you do moderate physical activity as part of your job</b>                                      |                   |      |                 | <b>2357</b> |
| Mean (Standard Deviation)   | 5.72 (1.90)       | -    | [5.64 ; 5.79]   |             |
| Median [Min, Max]   | 7.00 [1.00, 7.00] | -    | -               |             |
| <b>The total time spent on a typical day during which you perform moderate physical activities of at least ten consecutive minutes? In hour</b> |                   |      |                 | <b>2322</b> |
| Mean (Standard Deviation)   | 4.40 (3.17)       | -    | [4.27 ; 4.53]   |             |
| Median [Min, Max]   | 4.00 [0, 16.0]    | -    | -               |             |
| <b>PHYSICAL ACTIVITY DURING TRANSPORTATION AND MOVING FROM ONE PLACE TO ANOTHER</b>   |                   |      |                 |             |
| <b>Do you make trips of at least 10 minutes on foot or by bike?</b>   |                   |      |                 | <b>5299</b> |
| NO  | 714               | 13.5 | [12.57 ; 14.47] |             |
| YES   | 4585              | 86.5 | [85.57 ; 87.42] |             |
| <b>The frequency in number of days per week that you make trips of at least 10 minutes on foot or by bike?</b>                                  |                   |      |                 | <b>4565</b> |
| Mean (Standard Deviation)   | 5.71 (1.86)       | -    | [5.65 ; 5.76]   |             |
| Median [Min, Max]   | 7.00 [1.00, 7.00] | -    | -               |             |
| <b>The total time spent on a typical day walking or cycling for at least ten consecutive minutes? In hour</b>                                   |                   |      |                 | <b>4397</b> |
| Mean (Standard Deviation)   | 1.08 (1.73)       | -    | [1.03 ; 1.13]   |             |
| Median [Min, Max]   | 1.00 [0, 15.0]    | -    | -               |             |
| <b>INTENSE PHYSICAL ACTIVITY DURING LEISURE TIME, LEISURE</b>   |                   |      |                 |             |
| <b>Do you ever do intense physical activity for at least 10 minutes in a row during your free time, leisure?</b>                                |                   |      |                 | <b>5299</b> |
| No  | 4721              | 89.1 | [88.21 ; 89.91] |             |
| Yes   | 578               | 10.9 | [10.08 ; 11.78] |             |
| <b>The frequency in number of days per week that you do intense physical activity during your free time?</b>                                    |                   |      |                 | <b>574</b>  |
| Mean (Standard Deviation)   | 4.18 (2.32)       | -    | [3.99 ; 4.37]   |             |
| Median [Min, Max]   | 4.00 [1.00, 7.00] | -    | -               |             |
| <b>PRESENCE OF ANY INTENSE OR MODERATE PHYSICAL ACTIVITY</b>  |                   |      |                 |             |
| <b>Intense activity only</b>  |                   |      |                 | <b>5299</b> |
| No  | 5294              | 99.9 | [99.76 ; 99.96] |             |
| Yes   | 5                 | 0.1  | [0.03 ; 0.23]   |             |
| <b>Moderate activity only</b>   |                   |      |                 | <b>5299</b> |
| No  | 5284              | 99.7 | [99.52 ; 99.83] |             |

|   |                |      |                 |             |
|---|----------------|------|-----------------|-------------|
| Yes   | 15             | 0.3  | [0.16 ; 0.47]   |             |
| <b>PRESENCE OF PHYSICAL ACTIVITY ONLY AT WORK OR WHEN TRAVELING OR DURING LEISURE, LEISURE TIME</b> |                |      |                 |             |
| <b>Work activity only</b>   |                |      |                 | <b>5299</b> |
| No  | 5232           | 98.7 | [98.38 ; 99.01] |             |
| Yes   | 67             | 1.26 | [0.98 ; 1.61]   |             |
| <b>Travel activity only</b>   |                |      |                 | <b>5299</b> |
| No  | 3445           | 65.0 | [63.70 ; 66.29] |             |
| Yes   | 1854           | 35.0 | [33.70 ; 36.29] |             |
| <b>Recreational activity only</b>   |                |      |                 | <b>5298</b> |
| No  | 5291           | 99.9 | [99.71 ; 99.94] |             |
| Yes   | 7              | 0.13 | [0.05 ; 0.28]   |             |
| <b>SEDENTARY BEHAVIOR</b>   |                |      |                 |             |
| <b>How much time do you spend sitting or lying down on a typical day in hours</b>                   |                |      |                 | <b>5201</b> |
| Mean (Standard Deviation)   | 4.23 (3.23)    | -    | [4.13 ; 4.31]   |             |
| Median [Min, Max]   | 3.00 [0, 16.0] | -    | -               |             |

**Table 6: Distribution by history of hypertension, diabetes, dyslipidemia and cardiovascular diseases in the WHO national Stepwise survey, Senegal 2015**

|   | n    | %    | 95%CI           | N           |
|---|------|------|-----------------|-------------|
| <b>HISTORY OF HYPERTENSION</b>  |      |      |                 |             |
| <b>Knowledge of a hypertensive condition diagnosed by a health professional</b> |      |      |                 | <b>3208</b> |
| No  | 2421 | 75.5 | [73.93 ; 76.94] |             |
| Yes   | 787  | 24.5 | [23.05 ; 26.06] |             |
| <b>The seniority of this state of hypertension greater than 12 months</b>       |      |      |                 | <b>787</b>  |
| No  | 297  | 37.7 | [34.35 ; 41.24] |             |
| Yes   | 490  | 62.3 | [58.75 ; 65.64] |             |
| <b>HISTORY OF DIABETES SUGAR</b>  |      |      |                 |             |
| <b>Knowledge of a diabetic condition diagnosed by a healthcare professional</b> |      |      |                 | <b>1095</b> |
| No  | 991  | 90.5 | [88.57 ; 92.14] |             |
| Yes   | 104  | 9.5  | [7.85 ; 11.42]  |             |
| <b>The seniority of this diabetic state greater than 12 months</b>              |      |      |                 | <b>104</b>  |
| No  | 44   | 42.3 | [32.80 ; 52.38] |             |
| Yes   | 60   | 57.7 | [47.61 ; 67.19] |             |
| <b>HISTORY OF DYSLIPIDEMIA</b>  |      |      |                 |             |
| <b>Knowledge of a state of dyslipidemia diagnosed by a health professional</b>  |      |      |                 | <b>228</b>  |
| No  | 156  | 68.4 | [61.89 ; 74.31] |             |
| Yes   | 72   | 31.6 | [25.68 ; 38.10] |             |
| <b>The duration of this state of dyslipidemia greater than 12 months</b>        |      |      |                 | <b>72</b>   |
| No  | 36   | 50.0 | [38.74 ; 61.25] |             |
| Yes   | 36   | 50.0 | [38.74 ; 61.25] |             |
| <b>HISTORY OF CARDIOVASCULAR DISEASES</b>                                       |      |      |                 |             |
| <b>History of heart attack, chest pain, stroke</b>                              |      |      |                 | <b>5298</b> |
| No  | 5095 | 96.2 | [95.60 ; 96.66] |             |
| Yes   | 203  | 3.8  | [3.33 ; 4.39]   |             |

**Table 7: Distribution according to heart rate, waist size, body mass index in the national WHO Stepwise survey, Senegal 2015**

|  | <b>n</b>         | <b>%</b> | <b>95%CI</b>      | <b>N</b>    |
|--|------------------|----------|-------------------|-------------|
| <b>HEART RATE</b>  |                  |          |                   |             |
| <b>Individual average of the 3 heart rate measurements</b> |                  |          |                   | <b>5208</b> |
| Mean (Standard Deviation)                                  | 80.5 (13.1)      | -        | [80.16 ; 80.87]   |             |
| Median [Min, Max]  | 80.2 [30, 145]   | -        | -                 |             |
| <b>Heart rate above 80 beats per minute</b>                |                  |          |                   | <b>5208</b> |
| No   | 2550             | 49.0     | [47.59 ; 50.33]   |             |
| Yes  | 2658             | 51.0     | [49.66 ; 52.40]   |             |
| <b>WAIST SIZE</b>  |                  |          |                   |             |
| <b>Waist size</b>  |                  |          |                   | <b>5173</b> |
| Mean (Standard Deviation)                                  | 77.3 (13.7)      | -        | [76.93 ; 77.68]   |             |
| Median [Min, Max]  | 75.0 [7.00, 200] | -        | -                 |             |
| <b>Abdominal obesity in men</b>                            |                  |          |                   | <b>1878</b> |
| No   | 1765             | 94.0     | [92.78 ; 94.99]   |             |
| Yes  | 113              | 6.0      | [5.00 ; 7.21]     |             |
| <b>Abdominal obesity in women</b>                          |                  |          |                   | <b>3295</b> |
| No   | 1917             | 58.2     | [56.47 ; 59.86]   |             |
| Yes  | 1378             | 41.8     | [40.13 ; 43.52]   |             |
| <b>WEIGHT, HEIGHT, BODY MASS INDEX</b>                     |                  |          |                   |             |
| <b>Weight (Kg)</b>   |                  |          |                   | <b>5180</b> |
| Mean (Standard Deviation)                                  | 62.8 (14.8)      | -        | [62.35 ; 63.16]   |             |
| Median [Min, Max]  | 60.0 [28.0, 350] | -        | -                 |             |
| <b>Size (cm)</b>   |                  |          |                   | <b>5186</b> |
| Mean (Standard Deviation)                                  | 167 (9.60)       | -        | [167.06 ; 167.59] |             |
| Median [Min, Max]  | 167 [100, 270]   | -        | -                 |             |
| <b>BMI (Kg/m2)</b>   |                  |          |                   | <b>5180</b> |
| Mean (Standard Deviation)                                  | 22.5 (6.01)      | -        | [22.35 ; 22.68]   |             |
| Median [Min, Max]  | 21.4 [8.09, 159] | -        | -                 |             |
| <b>BMI classes</b>   |                  |          |                   | <b>5180</b> |
| Thinness   | 834              | 16.1     | [15.11 ; 17.13]   |             |
| Normal   | 3089             | 59.6     | [58.28 ; 60.97]   |             |
| Overweight   | 857              | 16.5     | [15.54 ; 17.59]   |             |
| Obesity I  | 279              | 5.4      | [4.79 ; 6.04]     |             |
| Obesity II   | 84               | 1.6      | [1.30 ; 2.01]     |             |
| Obesity III  | 37               | 0.7      | [0.51 ; 0.99]     |             |
| <b>BMI ≥ 25Kg/m2</b>                                       |                  |          |                   | <b>5180</b> |
| No   | 3923             | 75.7     | [74.53 ; 76.89]   |             |
| Yes  | 1257             | 24.3     | [23.10 ; 25.46]   |             |
| <b>BMI ≥ 30Kg/m2</b>                                       |                  |          |                   | <b>5180</b> |
| No   | 4780             | 92.3     | [91.50 ; 92.98]   |             |
| Yes  | 400              | 7.7      | [7.01 ; 8.49]     |             |

**Table 8: Distribution according to blood pressure in the national WHO Stepwise survey, Senegal 2015**

|   | <b>n</b>         | <b>%</b> | <b>95% CI</b>     | <b>N</b>    |
|---|------------------|----------|-------------------|-------------|
| <b>Individual average of the 3 SBP</b>  |                  |          |                   | <b>5207</b> |
| Mean (Standard Deviation)   | 127 (19.8)       | -        | [126.14 ; 127.22] |             |
| Median [Min, Max]   | 123 [73.0, 243]  | -        | -                 |             |
| <b>Individual average of the 3 DBP</b>  |                  |          |                   | <b>5208</b> |
| Mean (Standard Deviation)   | 83.1 (12.4)      | -        | [82.77 ; 83.44]   |             |
| Median [Min, Max]   | 81.7 [47.3, 145] | -        | -                 |             |
| <b>Systolic hypertension according to average of the 3 SBP</b>                        |                  |          |                   | <b>5207</b> |
| No  | 4225             | 81.1     | [80.04 ; 82.18]   |             |
| Yes   | 982              | 18.9     | [17.81 ; 19.95]   |             |
| <b>Diastolic hypertension according to average of the 3 DBP</b>                       |                  |          |                   | <b>5208</b> |
| No  | 3946             | 75.8     | [74.57 ; 76.92]   |             |
| Yes   | 1262             | 24.2     | [23.07 ; 25.42]   |             |
| <b>SBP classes according to the average of the 3 SBP</b>                              |                  |          |                   | <b>5207</b> |
| Low   | 1                | 0.02     | -                 |             |
| Optimal   | 2118             | 40.7     | -                 |             |
| Normal  | 1285             | 24.7     | -                 |             |
| Normal High   | 821              | 15.8     | -                 |             |
| Grade I   | 633              | 12.2     | -                 |             |
| Grade II  | 224              | 4.30     | -                 |             |
| Grade III   | 125              | 2.40     | -                 |             |
| <b>Classes of DBP according to the average of the 3 DBP</b>                           |                  |          |                   | <b>5194</b> |
| Optimal   | 2238             | 43.1     | -                 |             |
| Normal  | 983              | 18.9     | -                 |             |
| Normal High   | 725              | 14.0     | -                 |             |
| Grade I   | 785              | 15.1     | -                 |             |
| Grade II  | 294              | 5.66     | -                 |             |
| Grade III   | 169              | 3.25     | -                 |             |
| <b>Systolic and/or diastolic hypertension according to average of 3 SBP and 3 DBP</b> |                  |          |                   | <b>5207</b> |
| No  | 3701             | 71.1     | [69.82 ; 72.30]   |             |
| Yes   | 1506             | 28.9     | [27.69 ; 30.17]   |             |
| <b>Newly diagnosed systolic and/or diastolic hypertension</b>                         |                  |          |                   | <b>2361</b> |
| No  | 1798             | 76.2     | [74.37 ; 77.85]   |             |
| Yes   | 563              | 23.8     | [22.14 ; 25.62]   |             |
| <b>High blood pressure prevalence Senegal</b>   |                  |          |                   | <b>5343</b> |
| No  | 4089             | 76.5     | [75.36 ; 77.65]   |             |
| Yes   | 1254             | 23.5     | [22.34 ; 24.63]   |             |
| <b>Prevalence of known hypertensives who had elevated BP</b>                          |                  |          |                   | <b>778</b>  |
| No  | 335              | 43.1     | [39.55 ; 46.62]   |             |
| Yes   | 443              | 56.9     | [53.37 ; 60.44]   |             |

**Table 9: Distribution according to fasting blood glucose in the WHO national Stepwise survey, Senegal 2015**

|  | n                    | %    | 95%CI           | N    |
|--|----------------------|------|-----------------|------|
| <b>FASTING GLYCAEMIA</b>                                 |                      |      |                 |      |
| <b>Fasting blood sugar in g/l</b>                        |                      |      |                 | 4694 |
| Mean (Standard Deviation)                                | 0.68 (0.27)          | -    | [0.67 ; 0.69]   |      |
| Median [Min, Max]  | 0.66 [0.2, 6]        | -    | -               |      |
| <b>Classes according to fasting blood glucose in g/L</b> |                      |      |                 | 4694 |
| Hypoglycemia   | 2840                 | 60.5 | [59.08 ; 61.90] |      |
| Normo-glycemic   | 1674                 | 35.7 | [34.29 ; 37.05] |      |
| Glucose intolerance                                      | 91                   | 1.9  | [1.57 ; 2.38]   |      |
| Diabetes   | 89                   | 1.9  | [1.53 ; 2.33]   |      |
| <b>Diabetes</b>  |                      |      |                 | 4694 |
| No   | 4601                 | 98.0 | [97.56 ; 98.38] |      |
| Yes  | 93                   | 2.0  | [1.61 ; 2.43]   |      |
| <b>Newly Diagnosed Diabetes</b>                          |                      |      |                 | 872  |
| No   | 857                  | 98.3 | [97.11 ; 98.99] |      |
| Yes  | 15                   | 1.7  | [1.00 ; 2.88]   |      |
| <b>Diabetes prevalence Senegal</b>                       |                      |      |                 | 5343 |
| No   | 5227                 | 97.8 | [97.39 ; 98.19] |      |
| Yes  | 116                  | 2.2  | [1.80 ; 2.60]   |      |
| <b>TOTAL CHOLESTEROLEMIA AND HDL CHOLESTEROLEMIA</b>     |                      |      |                 |      |
| <b>Total cholesterol</b>                                 |                      |      |                 | 4755 |
| Mean (Standard Deviation)                                | 1.56 (0.454)         | -    | [1.54 ; 1.57]   |      |
| Median [Min, Max]  | 1.50 [0.260, 4.00]   | -    | -               |      |
| <b>Total hypercholesterolemia</b>                        |                      |      |                 | 4755 |
| No   | 3976                 | 83.6 | [82.52 ; 84.65] |      |
| Yes  | 779                  | 16.4 | [15.34 ; 17.47] |      |
| <b>Newly diagnosed total hypercholesterolemia</b>        |                      |      |                 | 137  |
| No   | 107                  | 78.1 | [70.06 ; 84.52] |      |
| Yes  | 30                   | 21.9 | [15.47 ; 29.93] |      |
| <b>Total hypercholesterolemia prevalence Senegal</b>     |                      |      |                 | 5343 |
| No   | 5244                 | 98.1 | [97.73 ; 98.48] |      |
| Yes  | 99                   | 1.9  | [1.51 ; 2.26]   |      |
| <b>Badly controlled cholesterol</b>                      |                      |      |                 | 65   |
| No   | 40                   | 61.5 | [48.61 ; 73.08] |      |
| Yes  | 25                   | 38.5 | [26.91 ; 51.38] |      |
| <b>HDL-Cholesterol</b>                                   |                      |      |                 | 4718 |
| Mean (Standard Deviation)                                | 0.39 (0.15)          | -    | [0.39 ; 0.40]   |      |
| Median [Min, Max]  | 0.360 [0.0300, 1.00] | -    | -               |      |
| <b>Hypo HDL-Cholesterol</b>                              |                      |      |                 | 4718 |
| No   | 1082                 | 22.9 | [21.74 ; 24.16] |      |
| Yes  | 3636                 | 77.1 | [75.83 ; 78.25] |      |



**Table 10: Distribution according to the presence or not of advice received in the last 3 years for a change in behavior in the national WHO Stepwise survey, Senegal 2015**

|   | n    | %    | 95%CI           | N           |
|---|------|------|-----------------|-------------|
| <b>ADVICE RECEIVED IN THE LAST 3 YEARS FOR A CHANGE IN BEHAVIOR</b>   |      |      |                 |             |
| <b>Advice received over the past 3 years to stop or not start smoking</b>   |      |      |                 | <b>5299</b> |
| No  | 5150 | 97.2 | [96.69 ; 97.60] |             |
| Yes   | 149  | 2.8  | [2.39 ; 3.30]   |             |
| <b>Advice received for smoking cessation in the last 12 months from a health professional</b>                             |      |      |                 | <b>311</b>  |
| No  | 175  | 56.3 | [50.55 ; 61.83] |             |
| Yes   | 54   | 17.4 | [13.41 ; 22.13] |             |
| No visits in the last 12 months   | 82   | 26.4 | [21.62 ; 31.69] |             |
| <b>Advice received over the past 3 years to reduce your salt intake</b>   |      |      |                 | <b>5299</b> |
| No  | 4609 | 87.0 | [86.03 ; 87.86] |             |
| Yes   | 690  | 13.0 | [12.13 ; 13.96] |             |
| <b>Advice received during the last 12 months to reduce the amount of sugar in the diet</b>                                |      |      |                 | <b>5296</b> |
| No  | 4892 | 92.4 | [91.61 ; 93.06] |             |
| Yes   | 404  | 7.6  | [6.93 ; 8.38]   |             |
| <b>Yes depending on the nature of the advisor</b>   |      |      |                 | <b>403</b>  |
| Personal health   | 287  | 71.2 | -               |             |
| Other   | 116  | 28.8 | -               |             |
| <b>Advice received over the last 3 years to Eat at least 5 servings of fruit and/or vegetables a day</b>                  |      |      |                 | <b>5300</b> |
| No  | 4633 | 87.4 | [86.48 ; 88.29] |             |
| Yes   | 667  | 12.6 | [11.70 ; 13.51] |             |
| <b>Advice received over the past 3 years to reduce your fat consumption</b>   |      |      |                 | <b>5299</b> |
| No  | 4860 | 91.7 | [90.93 ; 92.43] |             |
| Yes   | 439  | 8.3  | [7.56 ; 9.06]   |             |
| <b>Advice received in the last 3 years to start or do more physical activity</b>  |      |      |                 | <b>5299</b> |
| No  | 4752 | 89.7 | [88.81 ; 90.47] |             |
| Yes   | 547  | 10.3 | [9.52 ; 11.18]  |             |
| <b>Advice received in the last 3 years to maintain a healthy weight or lose weight</b>                                    |      |      |                 | <b>5299</b> |
| No  | 5028 | 94.9 | [94.24 ; 95.45] |             |
| Yes   | 271  | 5.1  | [4.54 ; 5.75]   |             |
| <b>Request received to change your diet since you were told you had diabetes</b>  |      |      |                 | <b>104</b>  |
| No  | 18   | 17.3 | [10.84 ; 26.24] |             |
| Yes   | 86   | 82.7 | [73.75 ; 89.15] |             |
| <b>MONITORING OF HIS BIOLOGICAL PARAMETERS AND HIS BLOOD PRESSURE</b>   |      |      |                 |             |
| <b>Having already had your blood pressure taken by a doctor at least once in your life</b>                                |      |      |                 | <b>5298</b> |
| No  | 2090 | 39.4 | [38.13 ; 40.78] |             |
| Yes   | 3208 | 60.6 | [59.21 ; 61.86] |             |
| <b>The fact of having already had your blood sugar taken by a health professional at least once in your life</b>          |      |      |                 | <b>5298</b> |
| No  | 4203 | 79.3 | [78.21 ; 80.40] |             |
| Yes   | 1095 | 20.7 | [19.59 ; 21.78] |             |
| <b>The fact of having already had their cholesterol levels taken by a health professional at least once in their life</b> |      |      |                 | <b>5298</b> |
| No  | 5070 | 95.7 | [95.10 ; 96.21] |             |
| Yes   | 228  | 4.3  | [3.78 ; 4.89]   |             |

Table 11: Results of multivariate analyzes

|  | aOR       | 95%CI         | p-Value          |
|--|-----------|---------------|------------------|
| <b>HYPERTENSION IN SENEGAL</b>   |           |               |                  |
| <b>(Intercept)</b>   | 0.10      | [0.05 ; 0.19] | <b>&lt;0.001</b> |
| <b>The presence of at least one blood pressure measurement in his life</b>                               |           |               | <b>&lt;0.001</b> |
| No   | Reference | —             |                  |
| Yes  | 3.22      | [2.02 ; 5.24] | <b>&lt;0.001</b> |
| <b>Advice received over the past 3 years to reduce your salt intake</b>                                  |           |               | 0.01             |
| No   | Reference | —             |                  |
| Yes  | 2.13      | [1.20 ; 3.77] | <b>0.009</b>     |
| <b>BMI classes</b>   |           |               | <b>&lt;0.001</b> |
| Normal   | Reference | —             |                  |
| Thinness   | 2.25      | [1.30 ; 3.85] | <b>0.003</b>     |
| Overweight   | 2.17      | [1.33 ; 3.55] | <b>0.002</b>     |
| Obesity I  | 0.87      | [0.38 ; 1.93] | 0.7              |
| Obesity II   | 5.88      | [0.90 ; 41.0] | 0.059            |
| Obesity III  | 10.2      | [1.41 ; 216]  | <b>0.047</b>     |
| <b>Age in class</b>  |           |               | 0.003            |
| 18-23 years old  | Reference | —             |                  |
| 24-29 years old  | 1.03      | [0.53 ; 1.99] | >0.9             |
| 30-34 years old  | 0.47      | [0.20 ; 1.05] | 0.075            |
| 35-39 years old  | 2.24      | [1.12 ; 4.47] | <b>0.022</b>     |
| 40-44 years old  | 1.57      | [0.78 ; 3.15] | 0.2              |
| 45-49 years old  | 1.06      | [0.45 ; 2.44] | 0.9              |
| 50-54 years old  | 1.96      | [0.84 ; 4.53] | 0.11             |
| 55-59 years old  | 1.64      | [0.65 ; 4.08] | 0.3              |
| 60-64 years old  | 2.74      | [0.92 ; 8.12] | 0.067            |
| 65-70 years old  | 3.05      | [1.14 ; 8.19] | <b>0.026</b>     |
| <b>Regular attitude taken to control your salt intake Check the salt content indicated on the labels</b> |           |               | 0.005            |
| No   | Reference | —             |                  |
| Yes  | 0.48      | [0.28 ; 0.80] | <b>0.007</b>     |
| <b>Advice received during the last 12 months to reduce the amount of sugar in the diet</b>               |           |               | 0.033            |
| No   | Reference | —             |                  |
| Yes  | 2.19      | [1.06 ; 4.46] | <b>0.032</b>     |
| <b>History of heart attack, chest pain, stroke</b>   |           |               | 0.097            |
| No   | Reference | —             |                  |
| Yes  | 2.05      | [0.88 ; 4.71] | 0.092            |
| <b>The frequency of consuming foods high in salt (pre-packaged salty snacks, canned food, fast food)</b> |           |               | 0.012            |
| Never  | Reference | —             |                  |
| Rarely   | 0.70      | [0.43 ; 1.14] | 0.2              |
| Sometimes  | 1.44      | [0.82 ; 2.53] | 0.2              |
| Often  | 0.41      | [0.21 ; 0.78] | <b>0.008</b>     |
| Always   | 1.14      | [0.24 ; 4.03] | 0.9              |
| Do not know  | 0.50      | [0.15 ; 1.36] | 0.2              |
| <b>Presence of at least one cholesterolemia intake in his life</b>                                       |           |               | 0.032            |
| No   | Reference | —             |                  |
| Yes  | 2.40      | [1.08 ; 5.39] | <b>0.032</b>     |
| <b>Current use of smoked tobacco</b>   |           |               | 0.066            |
| No   | Reference | —             |                  |
| Yes  | 0.35      | [0.09 ; 1.06] | 0.091            |

|  |           |               |              |
|--|-----------|---------------|--------------|
| How much time do you spend sitting or lying down on a typical day in hours                                     | 0.95      | [0.90 ; 1.01] | 0.12         |
| <b>Heart rate above 100 bpm</b>  |           |               | 0.124        |
| No   | Reference | —             |              |
| Yes  | 0.53      | [0.22 ; 1.18] | 0.14         |
| <b>Presence of moderate physical activity for at least 10 minutes in a row during your free time, leisure?</b> |           |               | 0.094        |
| No   | Reference | —             |              |
| Yes  | 0.56      | [0.26 ; 1.10] | 0.11         |
| <b>Frequency of fruit consumption in number of days per week</b>   | 1.07      | [0.98 ; 1.17] | 0.2          |
| <b>KNOWN POORLY CONTROLLED ARTERIAL HYPERTENSION IN SENEGAL</b>  |           |               |              |
| (Intercept)  | 0.17      | [0.00, 12.3]  | 0.4          |
| <b>The degree of personal perception of the importance of reducing salt intake</b>                             |           |               |              |
| Rather important   | Reference | —             |              |
| Very important   | 21.7      | [2.49, 601]   | <b>0.018</b> |
| <b>Physical activity while traveling only</b>  |           |               |              |
| No   | Reference | —             |              |
| Yes  | 0.11      | [0.02, 0.58]  | <b>0.015</b> |
| <b>Advice received over the past 3 years to reduce your salt intake</b>  |           |               |              |
| No   | Reference | —             |              |
| Yes  | 12.1      | [1.81, 144]   | <b>0.023</b> |
| <b>Regular attitude taken to control your salt intake: Limit the consumption of salty ready meals</b>          |           |               |              |
| No   | Reference | —             |              |
| Yes  | 0.04      | [0.00, 0.57]  | <b>0.046</b> |
| <b>Body mass index</b>   | 1.04      | [0.99, 1.14]  | 0.2          |
| <b>The frequency of fruit consumption in number of days per week</b>   | 1.28      | [0.91, 1.94]  | 0.2          |
| <b>NEWLY DIAGNOSED HYPERTENSION IN SENEGAL</b>   |           |               |              |
| (Intercept)  | 0.14      | [0.04 ; 0.45] | <b>0.001</b> |
| <b>Average number of meals eaten per week not prepared at home (breakfast, lunch and dinner</b>                | 0.85      | [0.74 ; 0.97] | <b>0.024</b> |
| <b>Check the salt content indicated on the labels</b>  |           |               |              |
| No   | Reference | —             |              |
| Yes  | 0.29      | [0.12 ; 0.64] | <b>0.004</b> |
| <b>History of heart attack, chest pain, stroke</b>   |           |               |              |
| No   | Reference | —             |              |
| Yes  | 6.47      | [1.50 ; 30.1] | <b>0.013</b> |
| <b>Resting heart rate greater than 80 bpm</b>  |           |               |              |
| No   | Reference | —             |              |
| Yes  | 2.09      | [1.20 ; 3.70] | <b>0.010</b> |
| <b>Sex</b>   |           |               |              |
| Male   | Reference | —             |              |
| Women  | 0.43      | [0.24 ; 0.79] | <b>0.006</b> |
| <b>Palm oil consumption</b>  |           |               |              |
| No   | Reference | —             |              |
| Yes  | 2.65      | [1.09 ; 7.63] | <b>0.047</b> |
| <b>Fasting blood glucose in g/L</b>  | 2.66      | [1.10 ; 6.61] | <b>0.025</b> |
| <b>Moderate physical activity for at least 10 minutes in a row during your free time, leisure</b>              |           |               |              |
| No   | Reference | —             |              |
| Yes  | 0.42      | [0.15 ; 1.04] | 0.081        |
| <b>Time spent sitting or lying down on a typical day in hours</b>  | 0.93      | [0.85 ; 1.02] | 0.12         |