**S2 Table: Fagerström Dependence Variable Participant Response Rate and Scoring**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Fagerström Dependence Variables** | **Category** | **Lung Cases** **No. (%)** | **HNC Cases** **No. (%)** | **Controls** **No. (%)** |
| **Total number of participants administered FTND questionnaires**  | 1130 | 680 | 604 |
| **1. How soon after you wake up do you smoke your first cigarette?**  | After 60 minutes |  270 (25) |  180 (28) |  355 (62) |
| 31-60 minutes |  197 (18) |  102 (16) |  94 (16) |
| 6-30 minutes |  356 (33) |  224 (34) |  85 (15) |
| Within 5 minutes  |  253 (24) |  148 (23) |  39 (7) |
|  | Missing | 54 | 26 | 31 |
| **2. Do you find it difficult to refrain from smoking in places where it is forbidden?** | No |  797 (75) |  534 (80) |  524 (88) |
| Yes |  272 (25) |  137 (20) |  72 (12) |
| Missing | 61 | 9 | 8 |
| **3. Which cigarette would you hate most to give up?** | Any other |  461 (48) |  270 (47) |  380 (75) |
| The first in the morning  |  502 (52) |  302 (53) |  126 (25) |
|  | Missing | 167 | 108 | 98 |
|  |  |  |  |  |
| **4. How many cigarettes per day do you smokea?** | 10 or less |  202 (18) |  315 (26) |  279 (47) |
| 11-20 |  483 (44) |  590 (48) |  206 (35) |
| 21-30 |  293 (27) |  224 (18) |  71 (12) |
| 31 or more  |  115 (11) |  101 (8) |  38 (6) |
|  | Missing | 37 | 0 | 10 |
|  |  |  |  |  |
| **5. Do you smoke more frequently during the first hours after awakening than during the rest of the day?** | No  |  752 (73) |  465 (73) |  542 (92) |
| Yes |  282 (27) |  176 (27) |  44 (8) |
| Missing | 96 | 39 | 18 |
| **6. Do you smoke even if you are so ill that you are in bed most of the day?** | No  |  803 (76) |  524 (82) |  494 (84) |
| Yes |  251 (24) |  113 (18) |  93 (16) |
| Missing | 76 | 43 | 17 |
| **Modified Fagerströmb****(Item 1 & Item 4)** | Low Dependence |  | 277 (42) | 433 (76) |
| High Dependence |  | 377 (58) | 134 (24) |
| **Total** |  | ***654*** | ***567*** |
|  |  |  |  |  |
| **Overall Total Fagerström Score**(Clinical Categoriesc) | 0 to 3 (Low dependence) | 346 (40) | 222 (42) | 360 (75) |
| 4 to 6 (Moderate dependence) | 336 (39) | 209 (39) | 83 (17) |
| 7 to 10 (High dependence) | 181 (21) | 99 (19) | 37 (8) |
|  |  ***Total*** | ***863*** | ***530*** | ***480*** |
|  **Overall Completion** | All 6 FTND questions answered | 1873 (78) |

a Information of Item 4 was collected from the participants at the study onset, whereas the full FTND questionnaires were started to be administered 2 years after the study onset. bModified Fagerström was used for the HNC analysis to accommodate the incomplete Fagerström questionnaires. cClinical Categories: used in nicotine replacement therapies to prescribe dosage of nicotine patches or gum [40].