**Additional file 1: Factors associated with compliance rate among population in developed and developing countries**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Compliance to hand washing (%)****N=394** | **Compliance to wearing mask (%)****N= 394** | **Compliance to keeping safe distance (%)****N=394** | **Compliance to decreasing frequency of going out (%)****N=394** |
| **Demographics**  |
| **Gender**MaleFemale*P value* | 183 (46.4)120 (30.5)0.265 | 200 (50.8)141 (35.8)0.812 | 185 (46.9)119 (30.2)0.144 | 187 (47.5)130 (32.9)0.93 |
| **Age (years)***Youth (18-24)**Adults (25-64)**Seniors (>64)**P value* | 146 (37.1)151 (38.3)6 (1.52)0.179 | 163 (41.4)169 (42.9)9 (2.30)0.668 | 135 (34.3)162 (41.2)7 (1.77)**0.003** | 148 (37.6)158 (40.1)11 (2.79)0.126 |
| **Countries***Developed**Developing**P value*  | 124 (31.5)179 (45.4)0.240 | 141 (35.8)200 (50.8)**0.038** | 139 (35.3)165 (41.9)**<0.001** | 134 (34.0)183 (46.4)**0.016** |
| **Developed countries (N=155)** |
| **Income***< Rs.200,000/USD 4500**Rs.200,000-400,000/ USD 4500-5500**> Rs.400,000/USD 5,500**P value* | 75 (48.4)15 (9.68)34 (21.9)0.413 | 88 (56.8)17 (11.0)36 (22.3)0.606 | 86 (55.5)17 (11.0)36 (22.3)0.684 | 85 (54.8)15 (9.68)34 (21.9)0.273 |
| **Education** *High school**College degree**Post-graduation**P value* | 22 (14.2)58 (37.4)44 (28.4)0.976 | 28 (18.1)65 (41.9)48 (31.0)0.156 | 26 (16.8)63 (40.6)50 (32.3)0.684 | 23 (14.8) 64 (41.3)47 (30.3)0.654 |
| **Self-COVID-19 positivity***Yes**No**P value* |  11 (7.10)113 (72.9)0.664 | 11 (7.10)130 (83.9)0.404 | 11 (7.10)128 (82.6)0.531 | 10 (6.45)124 (80.0)0.294 |
| **Self-Comorbidities present***Yes**No**P value* | 34 (21.9)90 (58.1)0.593 | 38 (24.5)103 (66.5)0.208 | 39 (25.2)100 (64.5)0.789 | 38 (24.5)96 (61.9)0.984 |
| **Family members contracted COVID-19***Yes**No**P value* | 36 (23.2)88 (56.8)0.473 | 40 (25.8)101 (65.2)0.580 | 37 (23.9)102 (65.8)0.357 | 40 (25.8)94 (60.6)0.139 |
| **Family members with comorbidities***Yes**No**P value* | 19 (12.3)105 (67.7)0.072 | 17 (11.0)124 (80.0)0.318 | 19 (12.3)120 (77.4)0.402 | 18 (11.6)116 (74.8)0.619 |
| **Developing countries (N=239)** |
| **Income***< Rs.200,000/USD 4500**Rs.200,000-400,000/ USD 4500-5500**> Rs.400,000/USD 5,500**P value* | 103 (43.1)39 (25.2)37 (15.5)0.301 | 117 (50.0)43 (18.0)40 (16.7)0.426 | 99 (41.4)35 (14.6)31 (13.0)0.986 | 106 (44.4)41 (17.2)36 (15.1)0.404 |
| **Education** *High school**College degree**Post-graduation**P value* | 69 (29.0)61 (25.5)49 (20.5)0.597 | 75 (31.4)68 (28.5)57 (23.8)0.512 | 57 (23.8)57 (23.8)51 (21.3)0.225 | 66 (27.6)66 (27.6)51 (21.3)0.908 |
| **Self-COVID-19 positivity***Yes**No**P value* |  33 (13.8)146 (61.1)0.064 | 36 (15.1)164 (68.6)**0.044** | 31 (13.0)134 (56.1)0.068 | 25 (10.5)158 (66.1)0.087 |
| **Self-Comorbidities present***Yes**No**P value* | 92 (38.5)87 (36.4)0.280 | 102 (42.7)98 (41.0)0.254 | 82 (34.3)83 (34.7) 0.881 | 85 (35.6)98 (41.0)0.102 |
| **Family members contracted COVID-19***Yes**No**P value* | 57 (23.8)122 (51.0)0.831 | 66 (27.6)134 (56.1)0.558 | 55 (23.0)110 (46.0)0.582 | 55 (23.0)128 (53.6)0.196 |
| **Family members with comorbidities***Yes**No**P value* | 74 (31.0)104 (43.5)**0.035** | 82 (34.3)118 (49.4)**0.035** | 64 (26.8)101 (42.3)0.735 | 68 (28.5)115 (48.1)0.598 |