|  |  |  |  |
| --- | --- | --- | --- |
|  | Baseline compliance (T1)  | Final compliance (T8)  | ∆ T1-T8 |
|  | proportion compliant(% compliance) [95% CI] \* | proportion compliant(% compliance) [95% CI] \* | difference score in % [95% CI] \*\* |
| Overall  |  |  |  |
| *compliant with protocol*  | **102/240 (42.5) [36.4 – 48.8]** | **197/240 (82.1) [76.7 – 86.4]** | **39.6 [31.7 – 47.5]** |
|  *no rings* | 211/240 (87.9) [83.2 – 91.5] | 237/240 (98.8) [96.4 – 99.6] | 10.8 [6.5 – 15.2] |
|  *no wristwatches*  | 200/240 (83.3) [78.1 – 87.5] | 233/240 (97.1) [94.1 – 98.5] | 13.8 [8.6 – 18.9] |
|  *no long sleeves* | 191/240 (79.6) [74.0 – 84.2] | 227/240 (94.6) [91.0 – 96.8] | 15.0 [9.2 – 20.9] |
|  *uniform* | 167/240 (69.6) [63.5 – 75.1] | 226 /240 (94.2) [90.4 – 96.5] | 24.6 [18.1 – 31.1] |
|  *no long nails*  | 234/240 (97.5) [94.7 – 98.8] | 240/240 (100) [98.4 – 100] | 2.5 [0.5 – 4.5] |
|  *long hair up* | 217/240 (90.4) [86.0 – 93.5] | 231/240 (96.3) [93.0 – 98.0] | 5.8 [1.4 – 10.3] |
|  *no long beard*  | 240/240 (100) [98.4 – 100] | 240/240 (100) [98.4 – 100] | - |
|  |  |  |  |
| Physicians |  |  |  |
| *compliant with protocol*  | **31/80 (38.8) [28.8 – 49.7]** | **62/80 (77.5) [67.2 – 85.3]** | **38.8 [24.7 – 52.8]** |
|  *no rings* | 74/80 (92.5) [84.6 – 96.5] | 79/80 (98.8) [93.3 – 99.8] | 6.3 [-0.01 – 12.5] |
|  *no wristwatches*  | 66/ 80 (82.5) [72.7 – 89.3] | 78/80 (97.5) [91.3 – 99.3] | 15.0 [6.0 – 24.0] |
|  *no long sleeves* | 49/80 (61.3) [50.3 – 71.2] | 72/80 (90) [81.5 – 94.8] | 28.8 [16.2 – 41.3] |
|  *uniform* | 62/80 (77.5) [67.2 – 85.3] | 74/80 (92.5) [84.6 – 95.5] | 15.0 [4.2 – 25.8] |
|  *no long nails*  | 80/80 (100) [95.4 – 100] | 80/80 (100) [95.4 – 100] | - |
|  *long hair up* | 73/80 (91.3) [83.0 – 95.7] | 76/80 (95) [87.8 – 98.0] | 3.8 [-4.1 – 11.6] |
|  *no long beard*  | 80/80 (100) [95.4 – 100] | 80/80 (100) [95.4 – 100] | - |
|  |  |  |  |
| *Nurses*  |  |  |  |
| *compliant with protocol* | **48/80 (60.00) [49.0 – 70.0]** | **70/80 (87.5) [78.5 – 93.1]** | **27.5 [14.6 – 40.5]** |
|  *no rings* | 71/80 (88.8) [80.0 – 94.0] | 80/80 (100) [95.4 – 100] | 11.3 [4.3 – 18.2] |
|  *no wristwatches*  | 71/80 (88.8) [80.0 – 94.0] | 79/80 (98.8) [93.3 – 99.8] | 10.0 [2.7 – 17.3] |
|  *no long sleeves* | 78/80 (97.5) [91.3 – 99.3] | 80/80 (100) [95.4 – 100] | 2.5 [-0.9 – 5.9] |
|  *uniform* | 66/80 (82.5) [72.7 – 89.3] | 75/80 (93.8) [86.2 – 97.3] | 11.3 [1.4 – 21.1] |
|  *no long nails*  | 78/80 (97.5) [91.3 – 99.3] | 80/80 (100) [95.4 – 100] | 2.5 [-0.9 – 5.9] |
|  *long hair up* | 72/80 (90) [81.5 – 94.8] | 76/80 (95) [87.8 – 98.0] | 5.0 [-3.1 – 13.1] |
|  *no long beard*  | 80/80 (100) [95.4 – 100] | 80/80 (100) [95.4 – 100] | - |
|  |  |  |  |
| Other HCW\*\*\* |  |  |  |
| *compliant with protocol* | **23/80 (28.8) [20.0 – 39.5]** | **65/80 (81.3) [71.3 – 88.3]** | **52.5 [39.4 – 65.6]** |
|  *no rings* | 66/80 (82.5) [72.7 – 89.3] | 78/80 (97.5) [91.3 – 99.3] | 15 [6.0 – 24.0] |
|  *no wristwatches*  | 63/80 (78.8) [68.6 – 86.3] | 76/80 (95) [87.8 – 98.0] | 16.3 [6.1 – 26.4] |
|  *no long sleeves* | 64/80 (80) [70.0 – 87.3] | 75/80 (93.8) [86.2 – 97.3] | 13.8 [3.5 – 24.0] |
|  *uniform* | 39/80(48.8) [38.1 – 59.5] | 77/80 (96.3) [89.5 – 98.7] | 47.5 [35.8 – 59.2] |
|  *no long nails*  | 76/80 (95) [87.8 – 98.0]  | 80/80 (100) [95.4 – 100] | 5.0 [0.2 – 9.8] |
|  *long hair up* | 72/80 (90) [81.5 – 94.8]  | 79/80 (98.8) [93.3 – 99.8] | 8.8 [1.7 – 15.8] |
|  *no long beard*  | 80/80 (100) [95.4 – 100] | 80/80 (100) [95.4 – 100] | - |

***Table 3: Baseline and final compliance overall, per item and per group of health care workers***

*\*  95% confidence intervals were calculated using Wilsons’ score*

*\*\*  95% confidence intervals were calculated using Taylor series
\*\*\* health care workers*