Statistical analysis report

SD e-Learning

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### Table 1: Background characteristics of the participants

(n = 570)

| **Background characteristics** | **Overall**N = 570*1* | **Medical**N = 204*1* | **Nurse**N = 366*1* | **p-value***2* |
| --- | --- | --- | --- | --- |
| **Gender** |  |  |  | **<0.001** |
| Male | 130 (22.8%) | 110 (53.9%) | 20 (5.5%) |  |
| Female | 433 (76.0%) | 92 (45.1%) | 341 (93.2%) |  |
| Not specified | 7 (1.2%) | 2 (1.0%) | 5 (1.4%) |  |
| **Age (years)** | 21 (21, 22) | 23 (22, 23) | 21 (20, 21) | **<0.001** |
| **Place of origin (Region)** |  |  |  | **<0.001** |
| Bangkok and perimeters | 222 (38.9%) | 131 (64.2%) | 91 (24.9%) |  |
| North | 63 (11.1%) | 4 (2.0%) | 59 (16.1%) |  |
| Central | 83 (14.6%) | 33 (16.2%) | 50 (13.7%) |  |
| East | 31 (5.4%) | 6 (2.9%) | 25 (6.8%) |  |
| Northeast | 72 (12.6%) | 12 (5.9%) | 60 (16.4%) |  |
| West | 25 (4.4%) | 3 (1.5%) | 22 (6.0%) |  |
| South | 72 (12.6%) | 15 (7.4%) | 57 (15.6%) |  |
| Not specified | 2 (0.4%) | 0 (0.0%) | 2 (0.5%) |  |
| **University** |  |  |  | **<0.001** |
| Pramongkutklao Hospital | 385 (67.5%) | 198 (97.1%) | 187 (51.1%) |  |
| Ramathibodi Hospital | 185 (32.5%) | 6 (2.9%) | 179 (48.9%) |  |
| **Year of study (early or final clinical year)** |  |  |  | **0.040** |
| Early clinical years | 371 (65.1%) | 144 (70.6%) | 227 (62.0%) |  |
| Final clinical year | 199 (34.9%) | 60 (29.4%) | 139 (38.0%) |  |
| **2.5 Have you ever been tested for HIV?** |  |  |  | **<0.001** |
| Yes | 148 (26.0%) | 45 (22.1%) | 103 (28.1%) |  |
| No | 287 (50.4%) | 124 (60.8%) | 163 (44.5%) |  |
| Not sure | 135 (23.7%) | 35 (17.2%) | 100 (27.3%) |  |
| **2.1 Have you ever contacted/taken care of HIV patients?** |  |  |  | **<0.001** |
| Yes | 192 (33.7%) | 118 (57.8%) | 74 (20.2%) |  |
| No | 378 (66.3%) | 86 (42.2%) | 292 (79.8%) |  |
| **HIV knowledge** | 6.2 (3, 9) | 6.3 (3, 9) | 6.2 (3, 9) | 0.12 |
| **Standard precaution on HIV knowledge** | 9.3 (4, 12) | 9.1 (5, 12) | 9.3 (4, 12) | **0.036** |
| *1*n (%); Median (Q1, Q3); Mean (Min, Max) | | | | |
| *2*Fisher's exact test; Wilcoxon rank sum test; Pearson's Chi-squared test | | | | |

### Table 2: Contact with people living with HIV

(n = 570)

|  | **Overall**N = 570*1* | **Medical**N = 204*1* | **Nurse**N = 366*1* | **p-value***2* |
| --- | --- | --- | --- | --- |
| **2.1 Contact/take care** |  |  |  | **<0.001** |
| Yes | 192 (33.7%) | 118 (57.8%) | 74 (20.2%) |  |
| No | 378 (66.3%) | 86 (42.2%) | 292 (79.8%) |  |
| **2.1.1 Wear double gloves when taking care PLHIV** |  |  |  | **0.022** |
| Yes | 118 (61.5%) | 65 (55.1%) | 53 (71.6%) |  |
| No | 74 (38.5%) | 53 (44.9%) | 21 (28.4%) |  |
| **2.1.2 Wear double gloves when taking care other patients** |  |  |  | 0.4 |
| Yes | 58 (30.2%) | 33 (28.0%) | 25 (33.8%) |  |
| No | 134 (69.8%) | 85 (72.0%) | 49 (66.2%) |  |
| **2.1.3 Use special infection control when taking care PLHIV** |  |  |  | 0.2 |
| Yes | 183 (95.3%) | 110 (93.2%) | 73 (98.6%) |  |
| No | 9 (4.7%) | 8 (6.8%) | 1 (1.4%) |  |
| **2.1.4 Use special infection control when taking care other patients** |  |  |  | **0.003** |
| Yes | 123 (64.1%) | 66 (55.9%) | 57 (77.0%) |  |
| No | 69 (35.9%) | 52 (44.1%) | 17 (23.0%) |  |
| *1*n (%) | | | | |
| *2*Pearson's Chi-squared test; Fisher's exact test | | | | |

### Table 3A: Worried about getting HIV infection

(n = 570)

| **How worried when ….** | **Overall**N = 570*1* | **Medical**N = 204*1* | **Nurse**N = 366*1* | **p-value***2* |
| --- | --- | --- | --- | --- |
| **2.2.1 Worried would you be about getting HIV infection if you have to touch the clothing, bedding or belongings** |  |  |  | **0.007** |
| Very worried | 30 (5.3%) | 11 (5.4%) | 19 (5.2%) |  |
| Somewhat worried | 145 (25.4%) | 46 (22.5%) | 99 (27.0%) |  |
| A little worried | 292 (51.2%) | 95 (46.6%) | 197 (53.8%) |  |
| Not at all worried | 103 (18.1%) | 52 (25.5%) | 51 (13.9%) |  |
| **Score** | Sum:1,242 Mean:2.2 (±0.8) | Sum:424 Mean:2.1 (±0.8) | Sum:818 Mean:2.2 (±0.8) | **0.026** |
| **2.3.1 Worried would you be about getting HIV infection if you have to dress the wounds of HIV/AIDS patients** |  |  |  | **0.004** |
| Very worried | 76 (13.3%) | 21 (10.3%) | 55 (15.0%) |  |
| Somewhat worried | 217 (38.1%) | 67 (32.8%) | 150 (41.0%) |  |
| A little worried | 234 (41.1%) | 92 (45.1%) | 142 (38.8%) |  |
| Not at all worried | 43 (7.5%) | 24 (11.8%) | 19 (5.2%) |  |
| **Score** | Sum:1,466 Mean:2.6 (±0.8) | Sum:493 Mean:2.4 (±0.8) | Sum:973 Mean:2.7 (±0.8) | **<0.001** |
| **2.4.1 Worried would you be about getting HIV infection if you have to draw blood** |  |  |  | **<0.001** |
| Very worried | 117 (20.5%) | 38 (18.6%) | 79 (21.6%) |  |
| Somewhat worried | 220 (38.6%) | 78 (38.2%) | 142 (38.8%) |  |
| A little worried | 197 (34.6%) | 63 (30.9%) | 134 (36.6%) |  |
| Not at all worried | 36 (6.3%) | 25 (12.3%) | 11 (3.0%) |  |
| **Score** | Sum:1,558 Mean:2.7 (±0.9) | Sum:537 Mean:2.6 (±0.9) | Sum:1,021 Mean:2.8 (±0.8) | **0.043** |
| *1*n (%); Sum:Sum Mean:Mean (±SD) | | | | |
| *2*Pearson's Chi-squared test; Welch Two Sample t-test | | | | |

### Table 3B: Worried about discriminated against if getting HIV testing

(n = 148)

| **How worried when ….** | **Overall**N = 148*1* | **Medical**N = 45*1* | **Nurse**N = 103*1* | **p-value***2* |
| --- | --- | --- | --- | --- |
| **2.6 If you were tested, how worried were you that you might be treated differently or discriminated against if you were to test positive** |  |  |  | >0.9 |
| Very worried | 14 (9.5%) | 5 (11.1%) | 9 (8.8%) |  |
| Somewhat worried | 34 (23.1%) | 11 (24.4%) | 23 (22.5%) |  |
| A little worried | 53 (36.1%) | 16 (35.6%) | 37 (36.3%) |  |
| Not at all worried | 46 (31.3%) | 13 (28.9%) | 33 (32.4%) |  |
| **Score** | Sum:310 Mean:2.1 (±1.0) | Sum:98 Mean:2.2 (±1.0) | Sum:212 Mean:2.1 (±1.0) | 0.6 |
| **2.7 If your test was positive, how worried were you that you might be treated differently or discriminated against if you were to test positive** |  |  |  | >0.9 |
| Very worried | 47 (32.0%) | 14 (31.1%) | 33 (32.4%) |  |
| Somewhat worried | 58 (39.5%) | 18 (40.0%) | 40 (39.2%) |  |
| A little worried | 32 (21.8%) | 10 (22.2%) | 22 (21.6%) |  |
| Not at all worried | 10 (6.8%) | 3 (6.7%) | 7 (6.9%) |  |
| **Score** | Sum:436 Mean:3.0 (±0.9) | Sum:133 Mean:3.0 (±0.9) | Sum:303 Mean:3.0 (±0.9) | >0.9 |
| *1*n (%); Sum:Sum Mean:Mean (±SD) | | | | |
| *2*Fisher's exact test; Welch Two Sample t-test | | | | |

### Table 4: Professional behaviors - Q3a: How worried

(n = 570)

| **How worried when ….** | **Overall**N = 570*1* | **Medical**N = 204*1* | **Nurse**N = 366*1* | **p-value***2* |
| --- | --- | --- | --- | --- |
| **3.1 drawing blood** |  |  |  | **0.007** |
| Very worried | 104 (18.2%) | 37 (18.1%) | 67 (18.3%) |  |
| Somewhat worried | 222 (38.9%) | 76 (37.3%) | 146 (39.9%) |  |
| A little worried | 211 (37.0%) | 70 (34.3%) | 141 (38.5%) |  |
| Not at all worried | 33 (5.8%) | 21 (10.3%) | 12 (3.3%) |  |
| **Score** | Sum:1,537 Mean:2.7 (±0.8) | Sum:537 Mean:2.6 (±0.9) | Sum:1,000 Mean:2.7 (±0.8) | 0.2 |
| **3.2 staring IV fluid** |  |  |  | 0.5 |
| Very worried | 68 (11.9%) | 24 (11.8%) | 44 (12.0%) |  |
| Somewhat worried | 228 (40.0%) | 80 (39.2%) | 148 (40.4%) |  |
| A little worried | 234 (41.1%) | 81 (39.7%) | 153 (41.8%) |  |
| Not at all worried | 40 (7.0%) | 19 (9.3%) | 21 (5.7%) |  |
| **Score** | Sum:1,464 Mean:2.6 (±0.8) | Sum:517 Mean:2.5 (±0.8) | Sum:947 Mean:2.6 (±0.8) | 0.5 |
| **3.3 dressing wound** |  |  |  | 0.093 |
| Very worried | 64 (11.2%) | 22 (10.8%) | 42 (11.5%) |  |
| Somewhat worried | 228 (40.0%) | 76 (37.3%) | 152 (41.5%) |  |
| A little worried | 228 (40.0%) | 80 (39.2%) | 148 (40.4%) |  |
| Not at all worried | 50 (8.8%) | 26 (12.7%) | 24 (6.6%) |  |
| **Score** | Sum:1,446 Mean:2.5 (±0.8) | Sum:502 Mean:2.5 (±0.9) | Sum:944 Mean:2.6 (±0.8) | 0.10 |
| **3.4 assisting in OR, LR** |  |  |  | **0.046** |
| Very worried | 95 (16.7%) | 35 (17.2%) | 60 (16.4%) |  |
| Somewhat worried | 243 (42.6%) | 79 (38.7%) | 164 (44.8%) |  |
| A little worried | 199 (34.9%) | 71 (34.8%) | 128 (35.0%) |  |
| Not at all worried | 33 (5.8%) | 19 (9.3%) | 14 (3.8%) |  |
| **Score** | Sum:1,540 Mean:2.7 (±0.8) | Sum:538 Mean:2.6 (±0.9) | Sum:1,002 Mean:2.7 (±0.8) | 0.2 |
| **3.5 performing chest auscultation** |  |  |  | 0.077 |
| Very worried | 16 (2.8%) | 8 (3.9%) | 8 (2.2%) |  |
| Somewhat worried | 37 (6.5%) | 17 (8.3%) | 20 (5.5%) |  |
| A little worried | 193 (33.9%) | 57 (27.9%) | 136 (37.2%) |  |
| Not at all worried | 324 (56.8%) | 122 (59.8%) | 202 (55.2%) |  |
| **Score** | Sum:885 Mean:1.6 (±0.7) | Sum:319 Mean:1.6 (±0.8) | Sum:566 Mean:1.5 (±0.7) | 0.8 |
| **3.6 performing /assisting in ascetic tap** |  |  |  | **0.008** |
| Very worried | 54 (9.5%) | 20 (9.8%) | 34 (9.3%) |  |
| Somewhat worried | 223 (39.1%) | 64 (31.4%) | 159 (43.4%) |  |
| A little worried | 246 (43.2%) | 95 (46.6%) | 151 (41.3%) |  |
| Not at all worried | 47 (8.2%) | 25 (12.3%) | 22 (6.0%) |  |
| **Score** | Sum:1,424 Mean:2.5 (±0.8) | Sum:487 Mean:2.4 (±0.8) | Sum:937 Mean:2.6 (±0.7) | **0.014** |
| **3.7 taking blood pressure** |  |  |  | 0.13 |
| Very worried | 10 (1.8%) | 5 (2.5%) | 5 (1.4%) |  |
| Somewhat worried | 28 (4.9%) | 15 (7.4%) | 13 (3.6%) |  |
| A little worried | 112 (19.6%) | 42 (20.6%) | 70 (19.1%) |  |
| Not at all worried | 420 (73.7%) | 142 (69.6%) | 278 (76.0%) |  |
| **Score** | Sum:768 Mean:1.3 (±0.7) | Sum:291 Mean:1.4 (±0.7) | Sum:477 Mean:1.3 (±0.6) | **0.042** |
| **3.8 Administering an injection** |  |  |  | 0.079 |
| Very worried | 26 (4.6%) | 14 (6.9%) | 12 (3.3%) |  |
| Somewhat worried | 145 (25.4%) | 59 (28.9%) | 86 (23.5%) |  |
| A little worried | 298 (52.3%) | 99 (48.5%) | 199 (54.4%) |  |
| Not at all worried | 101 (17.7%) | 32 (15.7%) | 69 (18.9%) |  |
| **Score** | Sum:1,236 Mean:2.2 (±0.8) | Sum:463 Mean:2.3 (±0.8) | Sum:773 Mean:2.1 (±0.7) | **0.022** |
| **3.9 performing /assisting lumbar puncture** |  |  |  | 0.2 |
| Very worried | 65 (11.4%) | 21 (10.3%) | 44 (12.0%) |  |
| Somewhat worried | 203 (35.6%) | 68 (33.3%) | 135 (36.9%) |  |
| A little worried | 244 (42.8%) | 87 (42.6%) | 157 (42.9%) |  |
| Not at all worried | 58 (10.2%) | 28 (13.7%) | 30 (8.2%) |  |
| **Score** | Sum:1,415 Mean:2.5 (±0.8) | Sum:490 Mean:2.4 (±0.9) | Sum:925 Mean:2.5 (±0.8) | 0.087 |
| **3.10 doing urine catheterization** |  |  |  | **0.001** |
| Very worried | 37 (6.5%) | 12 (5.9%) | 25 (6.8%) |  |
| Somewhat worried | 151 (26.5%) | 50 (24.5%) | 101 (27.6%) |  |
| A little worried | 256 (44.9%) | 78 (38.2%) | 178 (48.6%) |  |
| Not at all worried | 126 (22.1%) | 64 (31.4%) | 62 (16.9%) |  |
| **Score** | Sum:1,239 Mean:2.2 (±0.8) | Sum:418 Mean:2.0 (±0.9) | Sum:821 Mean:2.2 (±0.8) | **0.011** |
| *1*n (%); Sum:Sum Mean:Mean (±SD) | | | | |
| *2*Pearson's Chi-squared test; Welch Two Sample t-test; Fisher's exact test | | | | |

### Table 5: Professional behaviors - Q3b: Intent to discriminate

(n = 570)

| **Intent to discriminate when ….** | **Overall**N = 570*1* | **Medical**N = 204*1* | **Nurse**N = 366*1* | **p-value***2* |
| --- | --- | --- | --- | --- |
| **3.1 drawing blood** |  |  |  | **<0.001** |
| Refused | 4 (0.7%) | 4 (2.0%) | 0 (0.0%) |  |
| Do, but avoid touching | 29 (5.1%) | 16 (7.8%) | 13 (3.6%) |  |
| Do, with extra-precaution | 462 (81.1%) | 151 (74.0%) | 311 (85.0%) |  |
| Do as I would with any other | 75 (13.2%) | 33 (16.2%) | 42 (11.5%) |  |
| **Score** | Sum:1,102 Mean:1.9 (±0.5) | Sum:399 Mean:2.0 (±0.6) | Sum:703 Mean:1.9 (±0.4) | 0.4 |
| **3.2 staring IV fluid** |  |  |  | **<0.001** |
| Refused | 4 (0.7%) | 4 (2.0%) | 0 (0.0%) |  |
| Do, but avoid touching | 33 (5.8%) | 22 (10.8%) | 11 (3.0%) |  |
| Do, with extra-precaution | 457 (80.2%) | 146 (71.6%) | 311 (85.0%) |  |
| Do as I would with any other | 76 (13.3%) | 32 (15.7%) | 44 (12.0%) |  |
| **Score** | Sum:1,105 Mean:1.9 (±0.5) | Sum:406 Mean:2.0 (±0.6) | Sum:699 Mean:1.9 (±0.4) | 0.079 |
| **3.3 dressing wound** |  |  |  | **<0.001** |
| Refused | 4 (0.7%) | 4 (2.0%) | 0 (0.0%) |  |
| Do, but avoid touching | 48 (8.4%) | 30 (14.7%) | 18 (4.9%) |  |
| Do, with extra-precaution | 440 (77.2%) | 129 (63.2%) | 311 (85.0%) |  |
| Do as I would with any other | 78 (13.7%) | 41 (20.1%) | 37 (10.1%) |  |
| **Score** | Sum:1,118 Mean:2.0 (±0.5) | Sum:405 Mean:2.0 (±0.7) | Sum:713 Mean:1.9 (±0.4) | 0.5 |
| **3.4 assisting in OR, LR** |  |  |  | **<0.001** |
| Refused | 8 (1.4%) | 7 (3.4%) | 1 (0.3%) |  |
| Do, but avoid touching | 40 (7.0%) | 27 (13.2%) | 13 (3.6%) |  |
| Do, with extra-precaution | 463 (81.2%) | 141 (69.1%) | 322 (88.0%) |  |
| Do as I would with any other | 59 (10.4%) | 29 (14.2%) | 30 (8.2%) |  |
| **Score** | Sum:1,137 Mean:2.0 (±0.5) | Sum:420 Mean:2.1 (±0.6) | Sum:717 Mean:2.0 (±0.4) | **0.041** |
| **3.5 performing chest auscultation** |  |  |  | **0.050** |
| Refused | 2 (0.4%) | 2 (1.0%) | 0 (0.0%) |  |
| Do, but avoid touching | 30 (5.3%) | 14 (6.9%) | 16 (4.4%) |  |
| Do, with extra-precaution | 224 (39.3%) | 70 (34.3%) | 154 (42.1%) |  |
| Do as I would with any other | 314 (55.1%) | 118 (57.8%) | 196 (53.6%) |  |
| **Score** | Sum:860 Mean:1.5 (±0.6) | Sum:308 Mean:1.5 (±0.7) | Sum:552 Mean:1.5 (±0.6) | >0.9 |
| **3.6 performing /assisting in ascetic tap** |  |  |  | **<0.001** |
| Refused | 6 (1.1%) | 6 (2.9%) | 0 (0.0%) |  |
| Do, but avoid touching | 29 (5.1%) | 18 (8.8%) | 11 (3.0%) |  |
| Do, with extra-precaution | 453 (79.5%) | 139 (68.1%) | 314 (85.8%) |  |
| Do as I would with any other | 82 (14.4%) | 41 (20.1%) | 41 (11.2%) |  |
| **Score** | Sum:1,099 Mean:1.9 (±0.5) | Sum:397 Mean:1.9 (±0.6) | Sum:702 Mean:1.9 (±0.4) | 0.6 |
| **3.7 taking blood pressure** |  |  |  | **0.018** |
| Refused | 2 (0.4%) | 2 (1.0%) | 0 (0.0%) |  |
| Do, but avoid touching | 30 (5.3%) | 17 (8.3%) | 13 (3.6%) |  |
| Do, with extra-precaution | 167 (29.3%) | 56 (27.5%) | 111 (30.3%) |  |
| Do as I would with any other | 371 (65.1%) | 129 (63.2%) | 242 (66.1%) |  |
| **Score** | Sum:803 Mean:1.4 (±0.6) | Sum:300 Mean:1.5 (±0.7) | Sum:503 Mean:1.4 (±0.6) | 0.088 |
| **3.8 Administering an injection** |  |  |  | **<0.001** |
| Refused | 5 (0.9%) | 5 (2.5%) | 0 (0.0%) |  |
| Do, but avoid touching | 29 (5.1%) | 17 (8.3%) | 12 (3.3%) |  |
| Do, with extra-precaution | 401 (70.4%) | 132 (64.7%) | 269 (73.5%) |  |
| Do as I would with any other | 135 (23.7%) | 50 (24.5%) | 85 (23.2%) |  |
| **Score** | Sum:1,044 Mean:1.8 (±0.5) | Sum:385 Mean:1.9 (±0.6) | Sum:659 Mean:1.8 (±0.5) | 0.093 |
| **3.9 performing /assisting lumbar puncture** |  |  |  | **<0.001** |
| Refused | 9 (1.6%) | 8 (3.9%) | 1 (0.3%) |  |
| Do, but avoid touching | 31 (5.4%) | 19 (9.3%) | 12 (3.3%) |  |
| Do, with extra-precaution | 447 (78.4%) | 137 (67.2%) | 310 (84.7%) |  |
| Do as I would with any other | 83 (14.6%) | 40 (19.6%) | 43 (11.7%) |  |
| **Score** | Sum:1,106 Mean:1.9 (±0.5) | Sum:403 Mean:2.0 (±0.7) | Sum:703 Mean:1.9 (±0.4) | 0.3 |
| **3.10 doing urine catheterization** |  |  |  | **<0.001** |
| Refused | 5 (0.9%) | 4 (2.0%) | 1 (0.3%) |  |
| Do, but avoid touching | 27 (4.7%) | 19 (9.3%) | 8 (2.2%) |  |
| Do, with extra-precaution | 369 (64.7%) | 107 (52.5%) | 262 (71.6%) |  |
| Do as I would with any other | 169 (29.6%) | 74 (36.3%) | 95 (26.0%) |  |
| **Score** | Sum:1,008 Mean:1.8 (±0.6) | Sum:361 Mean:1.8 (±0.7) | Sum:647 Mean:1.8 (±0.5) | >0.9 |
| *1*n (%); Sum:Sum Mean:Mean (±SD) | | | | |
| *2*Fisher's exact test; Welch Two Sample t-test | | | | |

### Table 6: Professional community norms

(n = 570)

|  | **Overall**N = 570*1* | **Medical**N = 204*1* | **Nurse**N = 366*1* | **p-value***2* |
| --- | --- | --- | --- | --- |
| **4.1 How many would share dishes or glasses with a person with HIV?** |  |  |  | **0.028** |
| No one | 466 (81.8%) | 155 (76.0%) | 311 (85.0%) |  |
| Some | 79 (13.9%) | 37 (18.1%) | 42 (11.5%) |  |
| Most | 25 (4.4%) | 12 (5.9%) | 13 (3.6%) |  |
| All | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) |  |
| **Score** | Sum:2,151 Mean:3.8 (±0.5) | Sum:755 Mean:3.7 (±0.6) | Sum:1,396 Mean:3.8 (±0.5) | **0.017** |
| **4.2 How many would be comfortable having a person with HIV cooking for them?** |  |  |  | 0.5 |
| No one | 159 (27.9%) | 64 (31.4%) | 95 (26.0%) |  |
| Some | 266 (46.7%) | 87 (42.6%) | 179 (48.9%) |  |
| Most | 122 (21.4%) | 45 (22.1%) | 77 (21.0%) |  |
| All | 23 (4.0%) | 8 (3.9%) | 15 (4.1%) |  |
| **Score** | Sum:1,701 Mean:3.0 (±0.8) | Sum:615 Mean:3.0 (±0.8) | Sum:1,086 Mean:3.0 (±0.8) | 0.5 |
| **4.3 How many would avoid visiting the homes of people with HIV?** |  |  |  | 0.8 |
| No one | 297 (52.1%) | 104 (51.0%) | 193 (52.7%) |  |
| Some | 219 (38.4%) | 78 (38.2%) | 141 (38.5%) |  |
| Most | 46 (8.1%) | 18 (8.8%) | 28 (7.7%) |  |
| All | 8 (1.4%) | 4 (2.0%) | 4 (1.1%) |  |
| **Score** | Sum:905 Mean:1.6 (±0.7) | Sum:330 Mean:1.6 (±0.7) | Sum:575 Mean:1.6 (±0.7) | 0.5 |
| **Total score 4.1 - 4.3** | Sum:4,757 Mean:8.3 (±1.2) | Sum:1,700 Mean:8.3 (±1.2) | Sum:3,057 Mean:8.4 (±1.2) | 0.9 |
| **4.4 How many think that if someone has HIV. It’s due to having engaged in bad behaviors** |  |  |  | 0.6 |
| No one | 200 (35.1%) | 71 (34.8%) | 129 (35.2%) |  |
| Some | 292 (51.2%) | 100 (49.0%) | 192 (52.5%) |  |
| Most | 67 (11.8%) | 28 (13.7%) | 39 (10.7%) |  |
| All | 11 (1.9%) | 5 (2.5%) | 6 (1.6%) |  |
| **Score** | Sum:1,029 Mean:1.8 (±0.7) | Sum:375 Mean:1.8 (±0.7) | Sum:654 Mean:1.8 (±0.7) | 0.4 |
| **4.5 How many think that people with HIV deserve their disease** |  |  |  | **0.026** |
| No one | 418 (73.3%) | 137 (67.2%) | 281 (76.8%) |  |
| Some | 144 (25.3%) | 62 (30.4%) | 82 (22.4%) |  |
| Most | 7 (1.2%) | 4 (2.0%) | 3 (0.8%) |  |
| All | 1 (0.2%) | 1 (0.5%) | 0 (0.0%) |  |
| **Score** | Sum:731 Mean:1.3 (±0.5) | Sum:277 Mean:1.4 (±0.5) | Sum:454 Mean:1.2 (±0.4) | **0.009** |
| **4.6 How many think that people with HIV should feel guilty about their infection** |  |  |  | 0.3 |
| No one | 329 (57.7%) | 110 (53.9%) | 219 (59.8%) |  |
| Some | 189 (33.2%) | 77 (37.7%) | 112 (30.6%) |  |
| Most | 42 (7.4%) | 13 (6.4%) | 29 (7.9%) |  |
| All | 10 (1.8%) | 4 (2.0%) | 6 (1.6%) |  |
| **Score** | Sum:873 Mean:1.5 (±0.7) | Sum:319 Mean:1.6 (±0.7) | Sum:554 Mean:1.5 (±0.7) | 0.4 |
| **4.7 How many think that people with HIV have brought shame upon their families** |  |  |  | 0.4 |
| No one | 322 (56.5%) | 110 (53.9%) | 212 (57.9%) |  |
| Some | 206 (36.1%) | 74 (36.3%) | 132 (36.1%) |  |
| Most | 35 (6.1%) | 17 (8.3%) | 18 (4.9%) |  |
| All | 7 (1.2%) | 3 (1.5%) | 4 (1.1%) |  |
| **Score** | Sum:867 Mean:1.5 (±0.7) | Sum:321 Mean:1.6 (±0.7) | Sum:546 Mean:1.5 (±0.6) | 0.2 |
| **Total score 4.4 - 4.7** | Sum:3,500 Mean:6.1 (±2.0) | Sum:1,292 Mean:6.3 (±2.2) | Sum:2,208 Mean:6.0 (±2.0) | 0.10 |
| *1*n (%); Sum:Sum Mean:Mean (±SD) | | | | |
| *2*Fisher's exact test; Welch Two Sample t-test; Pearson's Chi-squared test | | | | |

### Table 7: Healthcare policies

(n = 570)

|  | **Overall**N = 570*1* | **Medical**N = 204*1* | **Nurse**N = 366*1* | **p-value***2* |
| --- | --- | --- | --- | --- |
| **5.1 Healthcare workers should be able to refuse to treat a person with HIV.** |  |  |  | 0.8 |
| Strongly disagree | 323 (56.7%) | 118 (57.8%) | 205 (56.0%) |  |
| Disagree | 199 (34.9%) | 67 (32.8%) | 132 (36.1%) |  |
| Agree | 32 (5.6%) | 13 (6.4%) | 19 (5.2%) |  |
| Strongly agree | 16 (2.8%) | 6 (2.9%) | 10 (2.7%) |  |
| **Score** | Sum:881 Mean:1.5 (±0.7) | Sum:315 Mean:1.5 (±0.7) | Sum:566 Mean:1.5 (±0.7) | >0.9 |
| **5.2 People with HIV should have the right to decide whether or not to disclose their HIV status to their healthcare providers.** |  |  |  | 0.2 |
| Strongly disagree | 256 (44.9%) | 92 (45.1%) | 164 (44.8%) |  |
| Disagree | 131 (23.0%) | 50 (24.5%) | 81 (22.1%) |  |
| Agree | 71 (12.5%) | 30 (14.7%) | 41 (11.2%) |  |
| Strongly agree | 112 (19.6%) | 32 (15.7%) | 80 (21.9%) |  |
| **Score** | Sum:1,671 Mean:2.9 (±1.2) | Sum:610 Mean:3.0 (±1.1) | Sum:1,061 Mean:2.9 (±1.2) | 0.4 |
| **5.3 Employers should not be able to fire a worker living with HIV.** |  |  |  | **0.022** |
| Strongly disagree | 65 (11.4%) | 34 (16.7%) | 31 (8.5%) |  |
| Disagree | 88 (15.4%) | 32 (15.7%) | 56 (15.3%) |  |
| Agree | 180 (31.6%) | 56 (27.5%) | 124 (33.9%) |  |
| Strongly agree | 237 (41.6%) | 82 (40.2%) | 155 (42.3%) |  |
| **Score** | Sum:1,121 Mean:2.0 (±1.0) | Sum:426 Mean:2.1 (±1.1) | Sum:695 Mean:1.9 (±1.0) | **0.040** |
| **5.4 Women with the HIV infection should NOT be allowed to marry.** |  |  |  | 0.6 |
| Strongly disagree | 403 (70.7%) | 140 (68.6%) | 263 (71.9%) |  |
| Disagree | 132 (23.2%) | 48 (23.5%) | 84 (23.0%) |  |
| Agree | 19 (3.3%) | 9 (4.4%) | 10 (2.7%) |  |
| Strongly agree | 16 (2.8%) | 7 (3.4%) | 9 (2.5%) |  |
| **Score** | Sum:788 Mean:1.4 (±0.7) | Sum:291 Mean:1.4 (±0.7) | Sum:497 Mean:1.4 (±0.7) | 0.3 |
| **5.5 Men with the HIV infection should NOT be allowed to marry.** |  |  |  | 0.3 |
| Strongly disagree | 400 (70.2%) | 136 (66.7%) | 264 (72.1%) |  |
| Disagree | 135 (23.7%) | 51 (25.0%) | 84 (23.0%) |  |
| Agree | 23 (4.0%) | 12 (5.9%) | 11 (3.0%) |  |
| Strongly agree | 12 (2.1%) | 5 (2.5%) | 7 (1.9%) |  |
| **Score** | Sum:787 Mean:1.4 (±0.7) | Sum:294 Mean:1.4 (±0.7) | Sum:493 Mean:1.3 (±0.6) | 0.12 |
| **5.6 A landlord should not have the right to refuse to rent a room to a person with HIV.** |  |  |  | **<0.001** |
| Strongly disagree | 110 (19.3%) | 52 (25.5%) | 58 (15.8%) |  |
| Disagree | 129 (22.6%) | 52 (25.5%) | 77 (21.0%) |  |
| Agree | 126 (22.1%) | 29 (14.2%) | 97 (26.5%) |  |
| Strongly agree | 205 (36.0%) | 71 (34.8%) | 134 (36.6%) |  |
| **Score** | Sum:1,284 Mean:2.3 (±1.1) | Sum:493 Mean:2.4 (±1.2) | Sum:791 Mean:2.2 (±1.1) | **0.013** |
| **5.7 A man with HIV should have the right to decide whether or not to disclose his HIV status to his wife.** |  |  |  | **0.047** |
| Strongly disagree | 272 (47.7%) | 112 (54.9%) | 160 (43.7%) |  |
| Disagree | 184 (32.3%) | 61 (29.9%) | 123 (33.6%) |  |
| Agree | 65 (11.4%) | 19 (9.3%) | 46 (12.6%) |  |
| Strongly agree | 49 (8.6%) | 12 (5.9%) | 37 (10.1%) |  |
| **Score** | Sum:1,819 Mean:3.2 (±0.9) | Sum:681 Mean:3.3 (±0.9) | Sum:1,138 Mean:3.1 (±1.0) | **0.004** |
| **5.8 A woman with HIV should have the right to decide whether or not to disclose her HIV status to her husband.** |  |  |  | 0.081 |
| Strongly disagree | 267 (46.8%) | 109 (53.4%) | 158 (43.2%) |  |
| Disagree | 188 (33.0%) | 63 (30.9%) | 125 (34.2%) |  |
| Agree | 68 (11.9%) | 20 (9.8%) | 48 (13.1%) |  |
| Strongly agree | 47 (8.2%) | 12 (5.9%) | 35 (9.6%) |  |
| **Score** | Sum:1,815 Mean:3.2 (±0.9) | Sum:677 Mean:3.3 (±0.9) | Sum:1,138 Mean:3.1 (±1.0) | **0.009** |
| **5.9 All female sex workers should be required to be tested for HIV.** |  |  |  | **<0.001** |
| Strongly disagree | 22 (3.9%) | 14 (6.9%) | 8 (2.2%) |  |
| Disagree | 19 (3.3%) | 12 (5.9%) | 7 (1.9%) |  |
| Agree | 55 (9.6%) | 23 (11.3%) | 32 (8.7%) |  |
| Strongly agree | 474 (83.2%) | 155 (76.0%) | 319 (87.2%) |  |
| **Score** | Sum:729 Mean:1.3 (±0.7) | Sum:293 Mean:1.4 (±0.9) | Sum:436 Mean:1.2 (±0.6) | **<0.001** |
| **5.10 Women with HIV should have the right to have children.** |  |  |  | **<0.001** |
| Strongly disagree | 65 (11.4%) | 20 (9.8%) | 45 (12.3%) |  |
| Disagree | 166 (29.1%) | 45 (22.1%) | 121 (33.1%) |  |
| Agree | 208 (36.5%) | 67 (32.8%) | 141 (38.5%) |  |
| Strongly agree | 131 (23.0%) | 72 (35.3%) | 59 (16.1%) |  |
| **Score** | Sum:1,305 Mean:2.3 (±0.9) | Sum:421 Mean:2.1 (±1.0) | Sum:884 Mean:2.4 (±0.9) | **<0.001** |
| **5.11 People with HIV should have the right to decide whether or not to disclose their HIV status to their family (other than their spouse).** |  |  |  | 0.3 |
| Strongly disagree | 66 (11.6%) | 28 (13.7%) | 38 (10.4%) |  |
| Disagree | 124 (21.8%) | 38 (18.6%) | 86 (23.5%) |  |
| Agree | 225 (39.5%) | 86 (42.2%) | 139 (38.0%) |  |
| Strongly agree | 155 (27.2%) | 52 (25.5%) | 103 (28.1%) |  |
| **Score** | Sum:1,241 Mean:2.2 (±1.0) | Sum:450 Mean:2.2 (±1.0) | Sum:791 Mean:2.2 (±1.0) | 0.6 |
| **5.12 Children with HIV should have the right to attend school.** |  |  |  | **<0.001** |
| Strongly disagree | 17 (3.0%) | 13 (6.4%) | 4 (1.1%) |  |
| Disagree | 24 (4.2%) | 16 (7.8%) | 8 (2.2%) |  |
| Agree | 97 (17.0%) | 32 (15.7%) | 65 (17.8%) |  |
| Strongly agree | 432 (75.8%) | 143 (70.1%) | 289 (79.0%) |  |
| **Score** | Sum:766 Mean:1.3 (±0.7) | Sum:307 Mean:1.5 (±0.9) | Sum:459 Mean:1.3 (±0.5) | **<0.001** |
| **5.13 All patients undergoing surgery should be required to be tested for HIV.** |  |  |  | **0.026** |
| Strongly disagree | 27 (4.7%) | 15 (7.4%) | 12 (3.3%) |  |
| Disagree | 48 (8.4%) | 23 (11.3%) | 25 (6.8%) |  |
| Agree | 160 (28.1%) | 50 (24.5%) | 110 (30.1%) |  |
| Strongly agree | 335 (58.8%) | 116 (56.9%) | 219 (59.8%) |  |
| **Score** | Sum:907 Mean:1.6 (±0.8) | Sum:345 Mean:1.7 (±0.9) | Sum:562 Mean:1.5 (±0.8) | **0.044** |
| **5.14 All medical personnel who perform surgery should be required to be tested for HIV regularly.** |  |  |  | **<0.001** |
| Strongly disagree | 24 (4.2%) | 13 (6.4%) | 11 (3.0%) |  |
| Disagree | 67 (11.8%) | 36 (17.6%) | 31 (8.5%) |  |
| Agree | 189 (33.2%) | 68 (33.3%) | 121 (33.1%) |  |
| Strongly agree | 290 (50.9%) | 87 (42.6%) | 203 (55.5%) |  |
| **Score** | Sum:1,885 Mean:3.3 (±0.8) | Sum:637 Mean:3.1 (±0.9) | Sum:1,248 Mean:3.4 (±0.8) | **<0.001** |
| **5.15 A patient who has HIV should have a clearly visible label on their medical files, identifying their infection.** |  |  |  | **<0.001** |
| Strongly disagree | 78 (13.7%) | 40 (19.6%) | 38 (10.4%) |  |
| Disagree | 130 (22.8%) | 60 (29.4%) | 70 (19.1%) |  |
| Agree | 170 (29.8%) | 49 (24.0%) | 121 (33.1%) |  |
| Strongly agree | 192 (33.7%) | 55 (27.0%) | 137 (37.4%) |  |
| **Score** | Sum:1,616 Mean:2.8 (±1.0) | Sum:527 Mean:2.6 (±1.1) | Sum:1,089 Mean:3.0 (±1.0) | **<0.001** |
| **5.16 Other patients in the ward have the right to know if a patient is infected with HIV.** |  |  |  | **0.004** |
| Strongly disagree | 205 (36.0%) | 72 (35.3%) | 133 (36.3%) |  |
| Disagree | 255 (44.7%) | 78 (38.2%) | 177 (48.4%) |  |
| Agree | 82 (14.4%) | 43 (21.1%) | 39 (10.7%) |  |
| Strongly agree | 28 (4.9%) | 11 (5.4%) | 17 (4.6%) |  |
| **Score** | Sum:1,073 Mean:1.9 (±0.8) | Sum:401 Mean:2.0 (±0.9) | Sum:672 Mean:1.8 (±0.8) | 0.083 |
| **5.17 PLHIV should have the right to marry other PLHIV.** |  |  |  | 0.12 |
| Strongly disagree | 315 (55.3%) | 117 (57.4%) | 198 (54.1%) |  |
| Disagree | 181 (31.8%) | 54 (26.5%) | 127 (34.7%) |  |
| Agree | 54 (9.5%) | 25 (12.3%) | 29 (7.9%) |  |
| Strongly agree | 20 (3.5%) | 8 (3.9%) | 12 (3.3%) |  |
| **Score** | Sum:1,931 Mean:3.4 (±0.8) | Sum:688 Mean:3.4 (±0.8) | Sum:1,243 Mean:3.4 (±0.8) | 0.7 |
| **5.18 Blood test for HIV without a patient acknowledgement or consent is acceptable.** |  |  |  | **0.003** |
| Strongly disagree | 246 (43.2%) | 76 (37.3%) | 170 (46.4%) |  |
| Disagree | 198 (34.7%) | 66 (32.4%) | 132 (36.1%) |  |
| Agree | 96 (16.8%) | 45 (22.1%) | 51 (13.9%) |  |
| Strongly agree | 30 (5.3%) | 17 (8.3%) | 13 (3.6%) |  |
| **Score** | Sum:1,050 Mean:1.8 (±0.9) | Sum:411 Mean:2.0 (±1.0) | Sum:639 Mean:1.7 (±0.8) | **<0.001** |
| **5.19 There are adequate supplies in the hospital where you train to help reduce your risk of becoming infected with HIV.** |  |  |  | **<0.001** |
| Strongly disagree | 21 (3.7%) | 17 (8.3%) | 4 (1.1%) |  |
| Disagree | 47 (8.2%) | 24 (11.8%) | 23 (6.3%) |  |
| Agree | 192 (33.7%) | 72 (35.3%) | 120 (32.8%) |  |
| Strongly agree | 310 (54.4%) | 91 (44.6%) | 219 (59.8%) |  |
| **Score** | Sum:919 Mean:1.6 (±0.8) | Sum:375 Mean:1.8 (±0.9) | Sum:544 Mean:1.5 (±0.7) | **<0.001** |
| **5.20 Most of PLHIV do not care that they could infect other people.** |  |  |  | **0.031** |
| Strongly disagree | 123 (21.6%) | 44 (21.6%) | 79 (21.6%) |  |
| Disagree | 307 (53.9%) | 101 (49.5%) | 206 (56.3%) |  |
| Agree | 120 (21.1%) | 46 (22.5%) | 74 (20.2%) |  |
| Strongly agree | 20 (3.5%) | 13 (6.4%) | 7 (1.9%) |  |
| **Score** | Sum:1,177 Mean:2.1 (±0.8) | Sum:436 Mean:2.1 (±0.8) | Sum:741 Mean:2.0 (±0.7) | 0.10 |
| **5.21 PLHIV should be shamed about their HIV status.** |  |  |  | **0.038** |
| Strongly disagree | 272 (47.7%) | 89 (43.6%) | 183 (50.0%) |  |
| Disagree | 223 (39.1%) | 78 (38.2%) | 145 (39.6%) |  |
| Agree | 66 (11.6%) | 31 (15.2%) | 35 (9.6%) |  |
| Strongly agree | 9 (1.6%) | 6 (2.9%) | 3 (0.8%) |  |
| **Score** | Sum:952 Mean:1.7 (±0.7) | Sum:362 Mean:1.8 (±0.8) | Sum:590 Mean:1.6 (±0.7) | **0.016** |
| **5.22 People get infected with HIV because they engage in irresponsible or immoral behaviors.** |  |  |  | 0.3 |
| Strongly disagree | 251 (44.0%) | 85 (41.7%) | 166 (45.4%) |  |
| Disagree | 258 (45.3%) | 93 (45.6%) | 165 (45.1%) |  |
| Agree | 57 (10.0%) | 23 (11.3%) | 34 (9.3%) |  |
| Strongly agree | 4 (0.7%) | 3 (1.5%) | 1 (0.3%) |  |
| **Score** | Sum:954 Mean:1.7 (±0.7) | Sum:352 Mean:1.7 (±0.7) | Sum:602 Mean:1.6 (±0.7) | 0.2 |
| **5.23 Women living with HIV should be allowed to have babies if they wish.** |  |  |  | **0.040** |
| Strongly disagree | 58 (10.2%) | 19 (9.3%) | 39 (10.7%) |  |
| Disagree | 130 (22.8%) | 39 (19.1%) | 91 (24.9%) |  |
| Agree | 234 (41.1%) | 79 (38.7%) | 155 (42.3%) |  |
| Strongly agree | 148 (26.0%) | 67 (32.8%) | 81 (22.1%) |  |
| **Score** | Sum:1,238 Mean:2.2 (±0.9) | Sum:418 Mean:2.0 (±0.9) | Sum:820 Mean:2.2 (±0.9) | **0.020** |
| *1*n (%); Sum:Sum Mean:Mean (±SD) | | | | |
| *2*Pearson's Chi-squared test; Welch Two Sample t-test; Fisher's exact test | | | | |

### Table 8: Caring for different populations

(n = 570)

| **How comfortable would you be caring for people, like those seen in this picture, in the hospital? …** | **Overall**N = 570*1* | **Medical**N = 204*1* | **Nurse**N = 366*1* | **p-value***2* |
| --- | --- | --- | --- | --- |
| **6.1 Visual of Red light district** |  |  |  | 0.5 |
| Very uncomfortable | 6 (1.1%) | 3 (1.5%) | 3 (0.8%) |  |
| Somewhat uncomfortable | 32 (5.6%) | 14 (6.9%) | 18 (4.9%) |  |
| Somewhat comfortable | 212 (37.2%) | 79 (38.7%) | 133 (36.3%) |  |
| Very comfortable | 320 (56.1%) | 108 (52.9%) | 212 (57.9%) |  |
| **Score** | Sum:864 Mean:1.5 (±0.7) | Sum:320 Mean:1.6 (±0.7) | Sum:544 Mean:1.5 (±0.6) | 0.2 |
| **6.2 Visual of Anonymous Patients** |  |  |  | 0.8 |
| Very uncomfortable | 3 (0.5%) | 2 (1.0%) | 1 (0.3%) |  |
| Somewhat uncomfortable | 27 (4.7%) | 9 (4.4%) | 18 (4.9%) |  |
| Somewhat comfortable | 177 (31.1%) | 64 (31.4%) | 113 (30.9%) |  |
| Very comfortable | 363 (63.7%) | 129 (63.2%) | 234 (63.9%) |  |
| **Score** | Sum:810 Mean:1.4 (±0.6) | Sum:292 Mean:1.4 (±0.6) | Sum:518 Mean:1.4 (±0.6) | 0.8 |
| **6.3 Visual of Transgenders** |  |  |  | **0.013** |
| Very uncomfortable | 2 (0.4%) | 1 (0.5%) | 1 (0.3%) |  |
| Somewhat uncomfortable | 6 (1.1%) | 4 (2.0%) | 2 (0.5%) |  |
| Somewhat comfortable | 94 (16.5%) | 44 (21.6%) | 50 (13.7%) |  |
| Very comfortable | 468 (82.1%) | 155 (76.0%) | 313 (85.5%) |  |
| **Score** | Sum:682 Mean:1.2 (±0.4) | Sum:259 Mean:1.3 (±0.5) | Sum:423 Mean:1.2 (±0.4) | **0.007** |
| **6.4 Visual of Homeless** |  |  |  | **<0.001** |
| Very uncomfortable | 2 (0.4%) | 1 (0.5%) | 1 (0.3%) |  |
| Somewhat uncomfortable | 33 (5.8%) | 18 (8.8%) | 15 (4.1%) |  |
| Somewhat comfortable | 192 (33.7%) | 87 (42.6%) | 105 (28.7%) |  |
| Very comfortable | 343 (60.2%) | 98 (48.0%) | 245 (66.9%) |  |
| **Score** | Sum:834 Mean:1.5 (±0.6) | Sum:330 Mean:1.6 (±0.7) | Sum:504 Mean:1.4 (±0.6) | **<0.001** |
| **6.5 Visual of Injecting Drug Users** |  |  |  | 0.065 |
| Very uncomfortable | 22 (3.9%) | 11 (5.4%) | 11 (3.0%) |  |
| Somewhat uncomfortable | 150 (26.3%) | 64 (31.4%) | 86 (23.5%) |  |
| Somewhat comfortable | 220 (38.6%) | 69 (33.8%) | 151 (41.3%) |  |
| Very comfortable | 178 (31.2%) | 60 (29.4%) | 118 (32.2%) |  |
| **Score** | Sum:1,156 Mean:2.0 (±0.9) | Sum:434 Mean:2.1 (±0.9) | Sum:722 Mean:2.0 (±0.8) | **0.043** |
| **6.6 Visual of Truck drivers** |  |  |  | **0.010** |
| Very uncomfortable | 2 (0.4%) | 1 (0.5%) | 1 (0.3%) |  |
| Somewhat uncomfortable | 8 (1.4%) | 5 (2.5%) | 3 (0.8%) |  |
| Somewhat comfortable | 113 (19.8%) | 52 (25.5%) | 61 (16.7%) |  |
| Very comfortable | 447 (78.4%) | 146 (71.6%) | 301 (82.2%) |  |
| **Score** | Sum:705 Mean:1.2 (±0.5) | Sum:269 Mean:1.3 (±0.5) | Sum:436 Mean:1.2 (±0.4) | **0.004** |
| **6.7 Visual of Two men hugging suggestively** |  |  |  | **0.010** |
| Very uncomfortable | 2 (0.4%) | 1 (0.5%) | 1 (0.3%) |  |
| Somewhat uncomfortable | 13 (2.3%) | 9 (4.4%) | 4 (1.1%) |  |
| Somewhat comfortable | 105 (18.4%) | 45 (22.1%) | 60 (16.4%) |  |
| Very comfortable | 450 (78.9%) | 149 (73.0%) | 301 (82.2%) |  |
| **Score** | Sum:707 Mean:1.2 (±0.5) | Sum:270 Mean:1.3 (±0.6) | Sum:437 Mean:1.2 (±0.4) | **0.006** |
| **6.8 Visual of Immigrant workers** |  |  |  | **0.049** |
| Very uncomfortable | 3 (0.5%) | 2 (1.0%) | 1 (0.3%) |  |
| Somewhat uncomfortable | 12 (2.1%) | 6 (2.9%) | 6 (1.6%) |  |
| Somewhat comfortable | 145 (25.4%) | 62 (30.4%) | 83 (22.7%) |  |
| Very comfortable | 410 (71.9%) | 134 (65.7%) | 276 (75.4%) |  |
| **Score** | Sum:748 Mean:1.3 (±0.5) | Sum:284 Mean:1.4 (±0.6) | Sum:464 Mean:1.3 (±0.5) | **0.012** |
| *1*n (%); Sum:Sum Mean:Mean (±SD) | | | | |
| *2*Fisher's exact test; Welch Two Sample t-test; Pearson's Chi-squared test | | | | |

### Table 10: HIV Transmission

(n = 570)

|  | **Overall**N = 570*1* | **Medical**N = 204*1* | **Nurse**N = 366*1* | **p-value***2* |
| --- | --- | --- | --- | --- |
| **7.1 HIV is unlikely to be transmitted by having sex with PLHIV and using a condom.** |  |  |  | **<0.001** |
| True | 337 (59.1%) | 89 (43.6%) | 248 (67.8%) |  |
| False | 233 (40.9%) | 115 (56.4%) | 118 (32.2%) |  |
| **Score** | Sum:337 Mean:0.6 (±0.5) | Sum:89 Mean:0.4 (±0.5) | Sum:248 Mean:0.7 (±0.5) | **<0.001** |
| **7.2 HIV can be transmitted by getting an injection with a sterilized syringe and needle.** |  |  |  | 0.2 |
| True | 542 (95.1%) | 191 (93.6%) | 351 (95.9%) |  |
| False | 28 (4.9%) | 13 (6.4%) | 15 (4.1%) |  |
| **Score** | Sum:28 Mean:0.0 (±0.2) | Sum:13 Mean:0.1 (±0.2) | Sum:15 Mean:0.0 (±0.2) | 0.3 |
| **7.3 HIV can be transmitted by having sex with PLHIV without using a condom.** |  |  |  | **<0.001** |
| True | 201 (35.3%) | 98 (48.0%) | 103 (28.1%) |  |
| False | 369 (64.7%) | 106 (52.0%) | 263 (71.9%) |  |
| **Score** | Sum:201 Mean:0.4 (±0.5) | Sum:98 Mean:0.5 (±0.5) | Sum:103 Mean:0.3 (±0.5) | **<0.001** |
| **7.4 HIV can be transmitted by sharing drug injection needles with PLHIV.** |  |  |  | **0.012** |
| True | 561 (98.4%) | 197 (96.6%) | 364 (99.5%) |  |
| False | 9 (1.6%) | 7 (3.4%) | 2 (0.5%) |  |
| **Score** | Sum:561 Mean:1.0 (±0.1) | Sum:197 Mean:1.0 (±0.2) | Sum:364 Mean:1.0 (±0.1) | **0.032** |
| **7.5 HIV can be transmitted by sharing a glass of drinking water with PLHIV.** |  |  |  | **<0.001** |
| True | 225 (39.5%) | 55 (27.0%) | 170 (46.4%) |  |
| False | 345 (60.5%) | 149 (73.0%) | 196 (53.6%) |  |
| **Score** | Sum:345 Mean:0.6 (±0.5) | Sum:149 Mean:0.7 (±0.4) | Sum:196 Mean:0.5 (±0.5) | **<0.001** |
| **7.6 HIV can be transmitted by using a public toilet that was used by PLHIV.** |  |  |  | **0.005** |
| True | 139 (24.4%) | 36 (17.6%) | 103 (28.1%) |  |
| False | 431 (75.6%) | 168 (82.4%) | 263 (71.9%) |  |
| **Score** | Sum:431 Mean:0.8 (±0.4) | Sum:168 Mean:0.8 (±0.4) | Sum:263 Mean:0.7 (±0.5) | **0.003** |
| **7.7 HIV can be transmitted by taking the blood pressure PLHIV without using gloves.** |  |  |  | 0.3 |
| True | 46 (8.1%) | 20 (9.8%) | 26 (7.1%) |  |
| False | 524 (91.9%) | 184 (90.2%) | 340 (92.9%) |  |
| **Score** | Sum:524 Mean:0.9 (±0.3) | Sum:184 Mean:0.9 (±0.3) | Sum:340 Mean:0.9 (±0.3) | 0.3 |
| **7.8 HIV can be transmitted by getting a needle prick from a sharp object that has been used on PLHIV.** |  |  |  | **<0.001** |
| True | 560 (98.2%) | 195 (95.6%) | 365 (99.7%) |  |
| False | 10 (1.8%) | 9 (4.4%) | 1 (0.3%) |  |
| **Score** | Sum:560 Mean:1.0 (±0.1) | Sum:195 Mean:1.0 (±0.2) | Sum:365 Mean:1.0 (±0.1) | **0.005** |
| **7.9 HIV can be transmitted by getting HIV-infected blood splashed onto skin with cuts.** |  |  |  | **<0.001** |
| True | 563 (98.8%) | 197 (96.6%) | 366 (100.0%) |  |
| False | 7 (1.2%) | 7 (3.4%) | 0 (0.0%) |  |
| **Score** | Sum:563 Mean:1.0 (±0.1) | Sum:197 Mean:1.0 (±0.2) | Sum:366 Mean:1.0 (±0.0) | **0.008** |
| **HIV knowledge** | Sum:3,550 Mean:6.2 (±1.1) | Sum:1,290 Mean:6.3 (±1.1) | Sum:2,260 Mean:6.2 (±1.1) | 0.12 |
| *1*n (%); Sum:Sum Mean:Mean (±SD) | | | | |
| *2*Pearson's Chi-squared test; Welch Two Sample t-test; Fisher's exact test | | | | |

### Table 11a: Standard precaution knowledge

(n = 570)

|  | **Overall**N = 570*1* | **Medical**N = 204*1* | **Nurse**N = 366*1* | **p-value***2* |
| --- | --- | --- | --- | --- |
| **8.1 Washing hands before and after treating a patient is a standard precaution.** |  |  |  | **0.024** |
| True | 564 (98.9%) | 199 (97.5%) | 365 (99.7%) |  |
| False | 6 (1.1%) | 5 (2.5%) | 1 (0.3%) |  |
| **Score** | Sum:564 Mean:1.0 (±0.1) | Sum:199 Mean:1.0 (±0.2) | Sum:365 Mean:1.0 (±0.1) | 0.053 |
| **8.2 Minimizing contact with bodily fluids by wearing Personal Protective Equipment (PPE) is a standard precaution.** |  |  |  | 0.7 |
| True | 402 (70.5%) | 142 (69.6%) | 260 (71.0%) |  |
| False | 168 (29.5%) | 62 (30.4%) | 106 (29.0%) |  |
| **Score** | Sum:402 Mean:0.7 (±0.5) | Sum:142 Mean:0.7 (±0.5) | Sum:260 Mean:0.7 (±0.5) | 0.7 |
| **8.3 Wearing single gloves for procedures that require contact with bodily fluids is a standard precaution.** |  |  |  | 0.093 |
| True | 431 (75.6%) | 146 (71.6%) | 285 (77.9%) |  |
| False | 139 (24.4%) | 58 (28.4%) | 81 (22.1%) |  |
| **Score** | Sum:431 Mean:0.8 (±0.4) | Sum:146 Mean:0.7 (±0.5) | Sum:285 Mean:0.8 (±0.4) | 0.10 |
| **8.4 Wearing double gloves for procedures that require contact with bodily fluids is a standard precaution.** |  |  |  | **<0.001** |
| True | 339 (59.5%) | 149 (73.0%) | 190 (51.9%) |  |
| False | 231 (40.5%) | 55 (27.0%) | 176 (48.1%) |  |
| **Score** | Sum:231 Mean:0.4 (±0.5) | Sum:55 Mean:0.3 (±0.4) | Sum:176 Mean:0.5 (±0.5) | **<0.001** |
| **8.5 Sterilizing instruments after use is a standard precaution.** |  |  |  | **0.044** |
| True | 553 (97.0%) | 194 (95.1%) | 359 (98.1%) |  |
| False | 17 (3.0%) | 10 (4.9%) | 7 (1.9%) |  |
| **Score** | Sum:553 Mean:1.0 (±0.2) | Sum:194 Mean:1.0 (±0.2) | Sum:359 Mean:1.0 (±0.1) | 0.076 |
| **8.6 Using disposable syringes and needles is a standard precaution.** |  |  |  | 0.2 |
| True | 557 (97.7%) | 197 (96.6%) | 360 (98.4%) |  |
| False | 13 (2.3%) | 7 (3.4%) | 6 (1.6%) |  |
| **Score** | Sum:557 Mean:1.0 (±0.1) | Sum:197 Mean:1.0 (±0.2) | Sum:360 Mean:1.0 (±0.1) | 0.2 |
| **8.7 Using bleaching powder/sodium hypochlorite to disinfect soiled linen and contaminated waste exposed to bodily fluids is a standard precaution.** |  |  |  | 0.3 |
| True | 463 (81.2%) | 170 (83.3%) | 293 (80.1%) |  |
| False | 107 (18.8%) | 34 (16.7%) | 73 (19.9%) |  |
| **Score** | Sum:463 Mean:0.8 (±0.4) | Sum:170 Mean:0.8 (±0.4) | Sum:293 Mean:0.8 (±0.4) | 0.3 |
| **8.8 Disposing sharp instruments and objects into a specific container is a standard precaution.** |  |  |  | 0.6 |
| True | 557 (97.7%) | 198 (97.1%) | 359 (98.1%) |  |
| False | 13 (2.3%) | 6 (2.9%) | 7 (1.9%) |  |
| **Score** | Sum:557 Mean:1.0 (±0.1) | Sum:198 Mean:1.0 (±0.2) | Sum:359 Mean:1.0 (±0.1) | 0.5 |
| **8.9 Separating medical and infectious waste from other waste for disposal is a standard precaution.** |  |  |  | 0.7 |
| True | 563 (98.8%) | 201 (98.5%) | 362 (98.9%) |  |
| False | 7 (1.2%) | 3 (1.5%) | 4 (1.1%) |  |
| **Score** | Sum:563 Mean:1.0 (±0.1) | Sum:201 Mean:1.0 (±0.1) | Sum:362 Mean:1.0 (±0.1) | 0.7 |
| **8.10 Being careful handling sharp instruments is a standard precaution.** |  |  |  | 0.3 |
| True | 534 (93.7%) | 194 (95.1%) | 340 (92.9%) |  |
| False | 36 (6.3%) | 10 (4.9%) | 26 (7.1%) |  |
| **Score** | Sum:534 Mean:0.9 (±0.2) | Sum:194 Mean:1.0 (±0.2) | Sum:340 Mean:0.9 (±0.3) | 0.3 |
| **8.11 Making the patients dispose of their own hazardous waste is a standard precaution.** |  |  |  | 0.14 |
| True | 480 (84.2%) | 178 (87.3%) | 302 (82.5%) |  |
| False | 90 (15.8%) | 26 (12.7%) | 64 (17.5%) |  |
| **Score** | Sum:90 Mean:0.2 (±0.4) | Sum:26 Mean:0.1 (±0.3) | Sum:64 Mean:0.2 (±0.4) | 0.12 |
| **Standard precaution on HIV knowledge** | Sum:5,276 Mean:9.3 (±1.3) | Sum:1,855 Mean:9.1 (±1.3) | Sum:3,421 Mean:9.3 (±1.2) | **0.021** |
| *1*n (%); Sum:Sum Mean:Mean (±SD) | | | | |
| *2*Fisher's exact test; Welch Two Sample t-test; Pearson's Chi-squared test | | | | |

### Table 11b: Standard precaution knowledge

(n = 570)

| **How important is it for healthcare workers to follow standard precautions …** | **Overall**N = 570*1* | **Medical**N = 204*1* | **Nurse**N = 366*1* | **p-value***2* |
| --- | --- | --- | --- | --- |
| **8.12 when they are exposed to body fluids such as blood of patients who have heart disease.** |  |  |  | 0.2 |
| Very important | 401 (70.4%) | 147 (72.1%) | 254 (69.4%) |  |
| Somewhat important | 117 (20.5%) | 45 (22.1%) | 72 (19.7%) |  |
| Not very important | 45 (7.9%) | 10 (4.9%) | 35 (9.6%) |  |
| Not important at all | 7 (1.2%) | 2 (1.0%) | 5 (1.4%) |  |
| **Score** | Sum:2,052 Mean:3.6 (±0.7) | Sum:745 Mean:3.7 (±0.6) | Sum:1,307 Mean:3.6 (±0.7) | 0.2 |
| **8.13 when they are exposed to body fluids such as blood of patients who have suspected infections.** |  |  |  | **0.006** |
| Very important | 515 (90.4%) | 174 (85.3%) | 341 (93.2%) |  |
| Somewhat important | 50 (8.8%) | 28 (13.7%) | 22 (6.0%) |  |
| Not very important | 5 (0.9%) | 2 (1.0%) | 3 (0.8%) |  |
| Not important at all | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) |  |
| **Score** | Sum:2,220 Mean:3.9 (±0.3) | Sum:784 Mean:3.8 (±0.4) | Sum:1,436 Mean:3.9 (±0.3) | **0.011** |
| **8.14 when they are exposed to body fluids such as blood of patients who have diabetes.** |  |  |  | **0.001** |
| Very important | 344 (60.4%) | 141 (69.1%) | 203 (55.5%) |  |
| Somewhat important | 141 (24.7%) | 47 (23.0%) | 94 (25.7%) |  |
| Not very important | 71 (12.5%) | 12 (5.9%) | 59 (16.1%) |  |
| Not important at all | 14 (2.5%) | 4 (2.0%) | 10 (2.7%) |  |
| **Score** | Sum:1,955 Mean:3.4 (±0.8) | Sum:733 Mean:3.6 (±0.7) | Sum:1,222 Mean:3.3 (±0.8) | **<0.001** |
| **8.15 when they are exposed to body fluids such as blood of patients who have HIV.** |  |  |  | **<0.001** |
| Very important | 528 (92.6%) | 176 (86.3%) | 352 (96.2%) |  |
| Somewhat important | 40 (7.0%) | 26 (12.7%) | 14 (3.8%) |  |
| Not very important | 2 (0.4%) | 2 (1.0%) | 0 (0.0%) |  |
| Not important at all | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) |  |
| **Score** | Sum:2,236 Mean:3.9 (±0.3) | Sum:786 Mean:3.9 (±0.4) | Sum:1,450 Mean:4.0 (±0.2) | **<0.001** |
| **8.16 when they are exposed to body fluids such as blood of patients who have TB.** |  |  |  | 0.4 |
| Very important | 467 (81.9%) | 165 (80.9%) | 302 (82.5%) |  |
| Somewhat important | 81 (14.2%) | 34 (16.7%) | 47 (12.8%) |  |
| Not very important | 18 (3.2%) | 4 (2.0%) | 14 (3.8%) |  |
| Not important at all | 4 (0.7%) | 1 (0.5%) | 3 (0.8%) |  |
| **Score** | Sum:2,151 Mean:3.8 (±0.5) | Sum:771 Mean:3.8 (±0.5) | Sum:1,380 Mean:3.8 (±0.6) | 0.8 |
| *1*n (%); Sum:Sum Mean:Mean (±SD) | | | | |
| *2*Fisher's exact test; Welch Two Sample t-test; Pearson's Chi-squared test | | | | |

### Table 12: Protective measures

(n = 570)

|  | **Overall**N = 570*1* | **Medical**N = 204*1* | **Nurse**N = 366*1* | **p-value***2* |
| --- | --- | --- | --- | --- |
| **9.1 Washing hands before and after physically examining a patient will prevent you from becoming infected with HIV when caring for PLHIV.** |  |  |  | **0.029** |
| Very uncertain | 21 (3.7%) | 12 (5.9%) | 9 (2.5%) |  |
| Somewhat uncertain | 81 (14.2%) | 35 (17.2%) | 46 (12.6%) |  |
| Somewhat certain | 262 (46.0%) | 95 (46.6%) | 167 (45.6%) |  |
| Very certain | 206 (36.1%) | 62 (30.4%) | 144 (39.3%) |  |
| **Score** | Sum:1,057 Mean:1.9 (±0.8) | Sum:405 Mean:2.0 (±0.8) | Sum:652 Mean:1.8 (±0.8) | **0.004** |
| **9.2 Wearing single gloves when drawing a patient’s blood will prevent you from becoming infected with HIV when caring for PLHIV.** |  |  |  | 0.3 |
| Very uncertain | 53 (9.3%) | 16 (7.8%) | 37 (10.1%) |  |
| Somewhat uncertain | 163 (28.6%) | 55 (27.0%) | 108 (29.5%) |  |
| Somewhat certain | 232 (40.7%) | 94 (46.1%) | 138 (37.7%) |  |
| Very certain | 122 (21.4%) | 39 (19.1%) | 83 (22.7%) |  |
| **Score** | Sum:1,563 Mean:2.7 (±0.9) | Sum:564 Mean:2.8 (±0.9) | Sum:999 Mean:2.7 (±0.9) | 0.6 |
| **9.3 Using sterilization equipment such as autoclave on instruments after use will prevent you from becoming infected with HIV when caring for PLHIV.** |  |  |  | **0.023** |
| Very uncertain | 8 (1.4%) | 5 (2.5%) | 3 (0.8%) |  |
| Somewhat uncertain | 45 (7.9%) | 22 (10.8%) | 23 (6.3%) |  |
| Somewhat certain | 230 (40.4%) | 88 (43.1%) | 142 (38.8%) |  |
| Very certain | 287 (50.4%) | 89 (43.6%) | 198 (54.1%) |  |
| **Score** | Sum:1,936 Mean:3.4 (±0.7) | Sum:669 Mean:3.3 (±0.8) | Sum:1,267 Mean:3.5 (±0.7) | **0.004** |
| **9.4 Using disposable syringes and needles will prevent you from becoming infected with HIV when caring for PLHIV.** |  |  |  | **<0.001** |
| Very uncertain | 11 (1.9%) | 5 (2.5%) | 6 (1.6%) |  |
| Somewhat uncertain | 32 (5.6%) | 17 (8.3%) | 15 (4.1%) |  |
| Somewhat certain | 182 (31.9%) | 84 (41.2%) | 98 (26.8%) |  |
| Very certain | 345 (60.5%) | 98 (48.0%) | 247 (67.5%) |  |
| **Score** | Sum:2,001 Mean:3.5 (±0.7) | Sum:683 Mean:3.3 (±0.7) | Sum:1,318 Mean:3.6 (±0.6) | **<0.001** |
| **9.5 Disposing sharp instruments and objects into a specific container will prevent you from becoming infected with HIV when caring for PLHIV.** |  |  |  | **<0.001** |
| Very uncertain | 7 (1.2%) | 5 (2.5%) | 2 (0.5%) |  |
| Somewhat uncertain | 30 (5.3%) | 17 (8.3%) | 13 (3.6%) |  |
| Somewhat certain | 198 (34.7%) | 84 (41.2%) | 114 (31.1%) |  |
| Very certain | 335 (58.8%) | 98 (48.0%) | 237 (64.8%) |  |
| **Score** | Sum:2,001 Mean:3.5 (±0.7) | Sum:683 Mean:3.3 (±0.7) | Sum:1,318 Mean:3.6 (±0.6) | **<0.001** |
| **9.6 Separating medical and infectious waste from other waste for disposal will prevent you from becoming infected with HIV when caring for PLHIV.** |  |  |  | **<0.001** |
| Very uncertain | 6 (1.1%) | 4 (2.0%) | 2 (0.5%) |  |
| Somewhat uncertain | 25 (4.4%) | 17 (8.3%) | 8 (2.2%) |  |
| Somewhat certain | 192 (33.7%) | 81 (39.7%) | 111 (30.3%) |  |
| Very certain | 347 (60.9%) | 102 (50.0%) | 245 (66.9%) |  |
| **Score** | Sum:2,020 Mean:3.5 (±0.6) | Sum:689 Mean:3.4 (±0.7) | Sum:1,331 Mean:3.6 (±0.6) | **<0.001** |
| **9.7 PEP (Post Exposure Prophylaxis) drugs after a needle prick will prevent you from becoming infected with HIV when caring for PLHIV.** |  |  |  | 0.5 |
| Very uncertain | 18 (3.2%) | 6 (2.9%) | 12 (3.3%) |  |
| Somewhat uncertain | 89 (15.6%) | 26 (12.7%) | 63 (17.2%) |  |
| Somewhat certain | 249 (43.7%) | 95 (46.6%) | 154 (42.1%) |  |
| Very certain | 214 (37.5%) | 77 (37.7%) | 137 (37.4%) |  |
| **Score** | Sum:1,799 Mean:3.2 (±0.8) | Sum:651 Mean:3.2 (±0.8) | Sum:1,148 Mean:3.1 (±0.8) | 0.4 |
| *1*n (%); Sum:Sum Mean:Mean (±SD) | | | | |
| *2*Pearson's Chi-squared test; Welch Two Sample t-test; Fisher's exact test | | | | |

### Table 13: Confidence

(n = 570)

| **How confident are you that you can carry out each one of these behaviors ….** | **Overall**N = 570*1* | **Medical**N = 204*1* | **Nurse**N = 366*1* | **p-value***2* |
| --- | --- | --- | --- | --- |
| **10.1 I can notice when someone at my hospital discriminates against PLHIV.** |  |  |  | **0.008** |
| I definitely can | 106 (18.6%) | 39 (19.1%) | 67 (18.3%) |  |
| I think I can | 340 (59.6%) | 114 (55.9%) | 226 (61.7%) |  |
| Don't think I can | 95 (16.7%) | 46 (22.5%) | 49 (13.4%) |  |
| I definitely cannot | 29 (5.1%) | 5 (2.5%) | 24 (6.6%) |  |
| **Score** | Sum:1,663 Mean:2.9 (±0.7) | Sum:595 Mean:2.9 (±0.7) | Sum:1,068 Mean:2.9 (±0.8) | >0.9 |
| **10.2 I can talk with other students when they make discriminatory comments about PLHIV.** |  |  |  | **<0.001** |
| I definitely can | 170 (29.8%) | 55 (27.0%) | 115 (31.4%) |  |
| I think I can | 328 (57.5%) | 107 (52.5%) | 221 (60.4%) |  |
| Don't think I can | 62 (10.9%) | 40 (19.6%) | 22 (6.0%) |  |
| I definitely cannot | 10 (1.8%) | 2 (1.0%) | 8 (2.2%) |  |
| **Score** | Sum:1,798 Mean:3.2 (±0.7) | Sum:623 Mean:3.1 (±0.7) | Sum:1,175 Mean:3.2 (±0.6) | **0.010** |
| **10.3 I can speak with PLHIV without feeling fear.** |  |  |  | **<0.001** |
| I definitely can | 367 (64.4%) | 127 (62.3%) | 240 (65.6%) |  |
| I think I can | 170 (29.8%) | 51 (25.0%) | 119 (32.5%) |  |
| Don't think I can | 26 (4.6%) | 22 (10.8%) | 4 (1.1%) |  |
| I definitely cannot | 7 (1.2%) | 4 (2.0%) | 3 (0.8%) |  |
| **Score** | Sum:2,037 Mean:3.6 (±0.6) | Sum:709 Mean:3.5 (±0.8) | Sum:1,328 Mean:3.6 (±0.6) | **0.012** |
| **10.4 I can listen to PLHIV without being judgmental.** |  |  |  | **<0.001** |
| I definitely can | 393 (68.9%) | 125 (61.3%) | 268 (73.2%) |  |
| I think I can | 147 (25.8%) | 57 (27.9%) | 90 (24.6%) |  |
| Don't think I can | 23 (4.0%) | 18 (8.8%) | 5 (1.4%) |  |
| I definitely cannot | 7 (1.2%) | 4 (2.0%) | 3 (0.8%) |  |
| **Score** | Sum:2,066 Mean:3.6 (±0.6) | Sum:711 Mean:3.5 (±0.7) | Sum:1,355 Mean:3.7 (±0.5) | **<0.001** |
| **10.5 I can touch PLHIV at the hospital without worrying about becoming infected.** |  |  |  | 0.13 |
| I definitely can | 155 (27.2%) | 62 (30.4%) | 93 (25.4%) |  |
| I think I can | 330 (57.9%) | 110 (53.9%) | 220 (60.1%) |  |
| Don't think I can | 76 (13.3%) | 26 (12.7%) | 50 (13.7%) |  |
| I definitely cannot | 9 (1.6%) | 6 (2.9%) | 3 (0.8%) |  |
| **Score** | Sum:1,771 Mean:3.1 (±0.7) | Sum:636 Mean:3.1 (±0.7) | Sum:1,135 Mean:3.1 (±0.6) | 0.8 |
| **10.6 I can draw blood from PLHIV without becoming infected with HIV.** |  |  |  | **0.038** |
| I definitely can | 135 (23.7%) | 50 (24.5%) | 85 (23.2%) |  |
| I think I can | 380 (66.7%) | 125 (61.3%) | 255 (69.7%) |  |
| Don't think I can | 44 (7.7%) | 23 (11.3%) | 21 (5.7%) |  |
| I definitely cannot | 11 (1.9%) | 6 (2.9%) | 5 (1.4%) |  |
| **Score** | Sum:1,779 Mean:3.1 (±0.6) | Sum:627 Mean:3.1 (±0.7) | Sum:1,152 Mean:3.1 (±0.6) | 0.2 |
| **10.7 I can dress a wound for PLHIV without becoming infected with HIV.** |  |  |  | **0.039** |
| I definitely can | 147 (25.8%) | 54 (26.5%) | 93 (25.4%) |  |
| I think I can | 363 (63.7%) | 119 (58.3%) | 244 (66.7%) |  |
| Don't think I can | 53 (9.3%) | 27 (13.2%) | 26 (7.1%) |  |
| I definitely cannot | 7 (1.2%) | 4 (2.0%) | 3 (0.8%) |  |
| **Score** | Sum:1,790 Mean:3.1 (±0.6) | Sum:631 Mean:3.1 (±0.7) | Sum:1,159 Mean:3.2 (±0.6) | 0.2 |
| *1*n (%); Sum:Sum Mean:Mean (±SD) | | | | |
| *2*Pearson's Chi-squared test; Welch Two Sample t-test; Fisher's exact test | | | | |

### Table 14: Factor associated with intention to discriminate while performing invasive procedures

(n = 570)

|  | **Intention to discriminate** | | | **Univariate** | | | **Multivariate** | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Characteristic** | **Overall**N = 570*1* | **Score < 2**N = 209*1* | **Score >= 2**N = 361*1* | **OR** | **95% CI** | **p-value** | **OR** | **95% CI** | **p-value** |
| **Gender** |  |  |  |  |  | **0.12** |  |  |  |
| Male | 130 (23%) | 51 (24%) | 79 (22%) | — | — |  |  |  |  |
| Female | 433 (76%) | 153 (73%) | 280 (78%) | 1.18 | 0.79, 1.76 |  |  |  |  |
| Not specified | 7 (1.2%) | 5 (2.4%) | 2 (0.6%) | 0.26 | 0.04, 1.25 |  |  |  |  |
| **Place of origin (Region)** |  |  |  |  |  | 0.5 |  |  |  |
| Bangkok and perimeters | 222 (39%) | 90 (43%) | 132 (37%) | — | — |  |  |  |  |
| North | 63 (11%) | 20 (9.6%) | 43 (12%) | 1.47 | 0.82, 2.70 |  |  |  |  |
| Central | 83 (15%) | 24 (11%) | 59 (16%) | 1.68 | 0.98, 2.93 |  |  |  |  |
| East | 31 (5.4%) | 13 (6.2%) | 18 (5.0%) | 0.94 | 0.44, 2.06 |  |  |  |  |
| Northeast | 72 (13%) | 29 (14%) | 43 (12%) | 1.01 | 0.59, 1.75 |  |  |  |  |
| West | 25 (4.4%) | 10 (4.8%) | 15 (4.2%) | 1.02 | 0.44, 2.45 |  |  |  |  |
| South | 72 (13%) | 22 (11%) | 50 (14%) | 1.55 | 0.89, 2.78 |  |  |  |  |
| Not specified | 2 (0.4%) | 1 (0.5%) | 1 (0.3%) | 0.68 | 0.03, 17.4 |  |  |  |  |
| **Age (years)** | 21.5 (19, 30) | 21.4 (19, 30) | 21.5 (19, 26) | 1.03 | 0.90, 1.19 | 0.6 |  |  |  |
| **Type** |  |  |  |  |  | 0.3 |  |  |  |
| Medical | 204 (36%) | 81 (39%) | 123 (34%) | — | — |  |  |  |  |
| Nurse | 366 (64%) | 128 (61%) | 238 (66%) | 1.22 | 0.86, 1.74 |  |  |  |  |
| **Year of study (early or final clinical year)** |  |  |  |  |  | **<0.001** |  |  | **<0.001** |
| Early clinical years | 371 (65%) | 156 (75%) | 215 (60%) | — | — |  | — | — |  |
| Final clinical year | 199 (35%) | 53 (25%) | 146 (40%) | 2.00 | 1.38, 2.93 |  | 2.16 | 1.43, 3.30 |  |
| **Have you ever contacted/taken care of HIV patients?** |  |  |  |  |  | >0.9 |  |  |  |
| Yes | 192 (34%) | 71 (34%) | 121 (34%) | — | — |  |  |  |  |
| No | 378 (66%) | 138 (66%) | 240 (66%) | 1.02 | 0.71, 1.46 |  |  |  |  |
| **Have you ever been tested for HIV?** |  |  |  |  |  | 0.6 |  |  |  |
| Yes | 148 (26%) | 52 (25%) | 96 (27%) | — | — |  |  |  |  |
| No | 287 (50%) | 111 (53%) | 176 (49%) | 0.86 | 0.57, 1.29 |  |  |  |  |
| Not sure | 135 (24%) | 46 (22%) | 89 (25%) | 1.05 | 0.64, 1.71 |  |  |  |  |
| **HIV knowledge** | 6.2 (3, 9) | 6.4 (3, 9) | 6.1 (3, 9) | 0.84 | 0.71, 0.98 | **0.024** | 0.83 | 0.69, 0.99 | **0.035** |
| **Standard precaution on HIV knowledge** | 9.3 (4, 12) | 9.2 (5, 12) | 9.3 (4, 12) | 1.02 | 0.89, 1.16 | 0.8 |  |  |  |
| **Worried for invasive procedures** | 19.8 (8, 32) | 16.9 (8, 31) | 21.5 (8, 32) | 1.22 | 1.17, 1.28 | **<0.001** | 1.22 | 1.17, 1.28 | **<0.001** |
| **Worried about getting HIV infection** | 8.8 (3, 20) | 7.7 (3, 16) | 9.5 (3, 20) | 1.22 | 1.15, 1.30 | **<0.001** |  |  |  |
| *1*n (%); Mean (Min, Max) | | | | | | | | | |
| Abbreviations: CI = Confidence Interval, OR = Odds Ratio | | | | | | | | | |

|  | **Intention to discriminate** | | | **Univariate** | | | **Multivariate** | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Characteristic** | **Overall**N = 570*1* | **Score <= 2**N = 495*1* | **Score > 2**N = 75*1* | **OR** | **95% CI** | **p-value** | **OR** | **95% CI** | **p-value** |
| **Gender** |  |  |  |  |  | **0.009** |  |  |  |
| Male | 130 (23%) | 102 (21%) | 28 (37%) | — | — |  |  |  |  |
| Female | 433 (76%) | 387 (78%) | 46 (61%) | 0.43 | 0.26, 0.73 |  |  |  |  |
| Not specified | 7 (1.2%) | 6 (1.2%) | 1 (1.3%) | 0.61 | 0.03, 3.76 |  |  |  |  |
| **Place of origin (Region)** |  |  |  |  |  | **0.035** |  |  |  |
| Bangkok and perimeters | 222 (39%) | 187 (38%) | 35 (47%) | — | — |  |  |  |  |
| North | 63 (11%) | 61 (12%) | 2 (2.7%) | 0.18 | 0.03, 0.60 |  |  |  |  |
| Central | 83 (15%) | 68 (14%) | 15 (20%) | 1.18 | 0.59, 2.26 |  |  |  |  |
| East | 31 (5.4%) | 28 (5.7%) | 3 (4.0%) | 0.57 | 0.13, 1.73 |  |  |  |  |
| Northeast | 72 (13%) | 64 (13%) | 8 (11%) | 0.67 | 0.28, 1.45 |  |  |  |  |
| West | 25 (4.4%) | 24 (4.8%) | 1 (1.3%) | 0.22 | 0.01, 1.11 |  |  |  |  |
| South | 72 (13%) | 62 (13%) | 10 (13%) | 0.86 | 0.39, 1.78 |  |  |  |  |
| Not specified | 2 (0.4%) | 1 (0.2%) | 1 (1.3%) | 5.34 | 0.21, 137 |  |  |  |  |
| **Age (years)** | 21.5 (19, 30) | 21.4 (19, 30) | 22.0 (20, 26) | 1.41 | 1.17, 1.71 | **<0.001** |  |  |  |
| **Type** |  |  |  |  |  | **<0.001** |  |  | **<0.001** |
| Medical | 204 (36%) | 158 (32%) | 46 (61%) | — | — |  | — | — |  |
| Nurse | 366 (64%) | 337 (68%) | 29 (39%) | 0.30 | 0.18, 0.49 |  | 0.25 | 0.14, 0.42 |  |
| **Year of study (early or final clinical year)** |  |  |  |  |  | 0.2 |  |  |  |
| Early clinical years | 371 (65%) | 327 (66%) | 44 (59%) | — | — |  |  |  |  |
| Final clinical year | 199 (35%) | 168 (34%) | 31 (41%) | 1.37 | 0.83, 2.24 |  |  |  |  |
| **Have you ever contacted/taken care of HIV patients?** |  |  |  |  |  | 0.3 |  |  |  |
| Yes | 192 (34%) | 163 (33%) | 29 (39%) | — | — |  |  |  |  |
| No | 378 (66%) | 332 (67%) | 46 (61%) | 0.78 | 0.47, 1.30 |  |  |  |  |
| **Have you ever been tested for HIV?** |  |  |  |  |  | 0.2 |  |  |  |
| Yes | 148 (26%) | 127 (26%) | 21 (28%) | — | — |  |  |  |  |
| No | 287 (50%) | 245 (49%) | 42 (56%) | 1.04 | 0.59, 1.85 |  |  |  |  |
| Not sure | 135 (24%) | 123 (25%) | 12 (16%) | 0.59 | 0.27, 1.23 |  |  |  |  |
| **HIV knowledge** | 6.2 (3, 9) | 6.2 (3, 9) | 6.2 (4, 9) | 1.01 | 0.81, 1.27 | >0.9 |  |  |  |
| **Standard precaution on HIV knowledge** | 9.3 (4, 12) | 9.3 (4, 12) | 9.2 (6, 12) | 0.96 | 0.80, 1.17 | 0.7 |  |  |  |
| **Worried for invasive procedures** | 19.8 (8, 32) | 19.3 (8, 32) | 23.4 (14, 32) | 1.17 | 1.11, 1.23 | **<0.001** | 1.18 | 1.12, 1.24 | **<0.001** |
| **Worried about getting HIV infection** | 8.8 (3, 20) | 8.6 (3, 20) | 10.1 (3, 20) | 1.14 | 1.06, 1.22 | **<0.001** |  |  |  |
| *1*n (%); Mean (Min, Max) | | | | | | | | | |
| Abbreviations: CI = Confidence Interval, OR = Odds Ratio | | | | | | | | | |

### Table 15: Factors associated with students attitudes towards endorsement of coercive policies related to HIV stigma (q5.1 - q5.23)

(n = 570)

|  | **Attitude** | | | **Univariate** | | | **Multivariate** | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Characteristic** | **Overall**N = 570*1* | **Score < 2**N = 173*1* | **Score >= 2**N = 397*1* | **OR** | **95% CI** | **p-value** | **OR** | **95% CI** | **p-value** |
| **Gender** |  |  |  |  |  | 0.8 |  |  |  |
| Male | 130 (23%) | 38 (22%) | 92 (23%) | — | — |  |  |  |  |
| Female | 433 (76%) | 132 (76%) | 301 (76%) | 0.94 | 0.61, 1.44 |  |  |  |  |
| Not specified | 7 (1.2%) | 3 (1.7%) | 4 (1.0%) | 0.55 | 0.12, 2.91 |  |  |  |  |
| **Type** |  |  |  |  |  | **0.13** |  |  |  |
| Medical | 204 (36%) | 54 (31%) | 150 (38%) | — | — |  |  |  |  |
| Nurse | 366 (64%) | 119 (69%) | 247 (62%) | 0.75 | 0.51, 1.09 |  |  |  |  |
| **Year of study (early or final clinical year)** |  |  |  |  |  | **0.010** |  |  | **0.009** |
| Early clinical years | 371 (65%) | 99 (57%) | 272 (69%) | — | — |  | — | — |  |
| Final clinical year | 199 (35%) | 74 (43%) | 125 (31%) | 0.61 | 0.43, 0.89 |  | 0.60 | 0.41, 0.88 |  |
| **Have you ever contacted/taken care of HIV patients?** |  |  |  |  |  | **0.14** |  |  |  |
| Yes | 192 (34%) | 66 (38%) | 126 (32%) | — | — |  |  |  |  |
| No | 378 (66%) | 107 (62%) | 271 (68%) | 1.33 | 0.91, 1.92 |  |  |  |  |
| **Have you ever been tested for HIV?** |  |  |  |  |  | 0.8 |  |  |  |
| Yes | 148 (26%) | 45 (26%) | 103 (26%) | — | — |  |  |  |  |
| No | 287 (50%) | 84 (49%) | 203 (51%) | 1.06 | 0.68, 1.62 |  |  |  |  |
| Not sure | 135 (24%) | 44 (25%) | 91 (23%) | 0.90 | 0.55, 1.49 |  |  |  |  |
| **HIV knowledge** | 6.2 (3, 9) | 6.5 (3, 9) | 6.1 (3, 9) | 0.69 | 0.57, 0.82 | **<0.001** | 0.69 | 0.57, 0.82 | **<0.001** |
| **Standard precaution on HIV knowledge** | 9.3 (4, 12) | 9.4 (5, 12) | 9.2 (4, 12) | 0.85 | 0.73, 0.98 | **0.024** | 0.84 | 0.72, 0.98 | **0.027** |
| *1*n (%); Mean (Min, Max) | | | | | | | | | |
| Abbreviations: CI = Confidence Interval, OR = Odds Ratio | | | | | | | | | |

|  | **Attitude** | | | **Univariate** | | | **Multivariate** | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Characteristic** | **Overall**N = 570*1* | **Score <= 2**N = 205*1* | **Score > 2**N = 365*1* | **OR** | **95% CI** | **p-value** | **OR** | **95% CI** | **p-value** |
| **Gender** |  |  |  |  |  | 0.8 |  |  |  |
| Male | 130 (23%) | 44 (21%) | 86 (24%) | — | — |  |  |  |  |
| Female | 433 (76%) | 158 (77%) | 275 (75%) | 0.89 | 0.59, 1.34 |  |  |  |  |
| Not specified | 7 (1.2%) | 3 (1.5%) | 4 (1.1%) | 0.68 | 0.14, 3.59 |  |  |  |  |
| **Type** |  |  |  |  |  | 0.2 |  |  |  |
| Medical | 204 (36%) | 67 (33%) | 137 (38%) | — | — |  |  |  |  |
| Nurse | 366 (64%) | 138 (67%) | 228 (62%) | 0.81 | 0.56, 1.16 |  |  |  |  |
| **Year of study (early or final clinical year)** |  |  |  |  |  | **0.003** |  |  | **0.002** |
| Early clinical years | 371 (65%) | 117 (57%) | 254 (70%) | — | — |  | — | — |  |
| Final clinical year | 199 (35%) | 88 (43%) | 111 (30%) | 0.58 | 0.41, 0.83 |  | 0.57 | 0.39, 0.81 |  |
| **Have you ever contacted/taken care of HIV patients?** |  |  |  |  |  | 0.2 |  |  |  |
| Yes | 192 (34%) | 76 (37%) | 116 (32%) | — | — |  |  |  |  |
| No | 378 (66%) | 129 (63%) | 249 (68%) | 1.26 | 0.88, 1.81 |  |  |  |  |
| **Have you ever been tested for HIV?** |  |  |  |  |  | 0.6 |  |  |  |
| Yes | 148 (26%) | 56 (27%) | 92 (25%) | — | — |  |  |  |  |
| No | 287 (50%) | 97 (47%) | 190 (52%) | 1.19 | 0.79, 1.80 |  |  |  |  |
| Not sure | 135 (24%) | 52 (25%) | 83 (23%) | 0.97 | 0.60, 1.57 |  |  |  |  |
| **HIV knowledge** | 6.2 (3, 9) | 6.5 (3, 9) | 6.1 (3, 9) | 0.70 | 0.59, 0.83 | **<0.001** | 0.71 | 0.59, 0.83 | **<0.001** |
| **Standard precaution on HIV knowledge** | 9.3 (4, 12) | 9.4 (5, 12) | 9.2 (4, 12) | 0.82 | 0.71, 0.95 | **0.007** | 0.82 | 0.71, 0.95 | **0.007** |
| *1*n (%); Mean (Min, Max) | | | | | | | | | |
| Abbreviations: CI = Confidence Interval, OR = Odds Ratio | | | | | | | | | |

### Table 16: Factors associated with students attitudes towards endorsement of coercive policies related to HIV stigma (q5.1 - q5.19)

(n = 570)

|  | **Attitude** | | | **Univariate** | | | **Multivariate** | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Characteristic** | **Overall**N = 570*1* | **Score < 2**N = 168*1* | **Score >= 2**N = 402*1* | **OR** | **95% CI** | **p-value** | **OR** | **95% CI** | **p-value** |
| **Gender** |  |  |  |  |  | 0.8 |  |  |  |
| Male | 130 (23%) | 35 (21%) | 95 (24%) | — | — |  |  |  |  |
| Female | 433 (76%) | 131 (78%) | 302 (75%) | 0.85 | 0.54, 1.31 |  |  |  |  |
| Not specified | 7 (1.2%) | 2 (1.2%) | 5 (1.2%) | 0.92 | 0.19, 6.64 |  |  |  |  |
| **Type** |  |  |  |  |  | **0.050** |  |  | 0.083 |
| Medical | 204 (36%) | 50 (30%) | 154 (38%) | — | — |  | — | — |  |
| Nurse | 366 (64%) | 118 (70%) | 248 (62%) | 0.68 | 0.46, 1.00 |  | 0.70 | 0.47, 1.05 |  |
| **Year of study (early or final clinical year)** |  |  |  |  |  | **0.011** |  |  | **0.014** |
| Early clinical years | 371 (65%) | 96 (57%) | 275 (68%) | — | — |  | — | — |  |
| Final clinical year | 199 (35%) | 72 (43%) | 127 (32%) | 0.62 | 0.43, 0.89 |  | 0.62 | 0.42, 0.91 |  |
| **Have you ever contacted/taken care of HIV patients?** |  |  |  |  |  | 0.2 |  |  |  |
| Yes | 192 (34%) | 63 (38%) | 129 (32%) | — | — |  |  |  |  |
| No | 378 (66%) | 105 (63%) | 273 (68%) | 1.27 | 0.87, 1.85 |  |  |  |  |
| **Have you ever been tested for HIV?** |  |  |  |  |  | 0.7 |  |  |  |
| Yes | 148 (26%) | 47 (28%) | 101 (25%) | — | — |  |  |  |  |
| No | 287 (50%) | 80 (48%) | 207 (51%) | 1.20 | 0.78, 1.85 |  |  |  |  |
| Not sure | 135 (24%) | 41 (24%) | 94 (23%) | 1.07 | 0.64, 1.77 |  |  |  |  |
| **HIV knowledge** | 6.2 (3, 9) | 6.5 (3, 9) | 6.1 (3, 9) | 0.74 | 0.62, 0.88 | **<0.001** | 0.74 | 0.62, 0.88 | **<0.001** |
| **Standard precaution on HIV knowledge** | 9.3 (4, 12) | 9.5 (5, 12) | 9.2 (4, 12) | 0.80 | 0.69, 0.93 | **0.004** | 0.81 | 0.69, 0.94 | **0.007** |
| *1*n (%); Mean (Min, Max) | | | | | | | | | |
| Abbreviations: CI = Confidence Interval, OR = Odds Ratio | | | | | | | | | |

|  | **Attitude** | | | **Univariate** | | | **Multivariate** | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Characteristic** | **Overall**N = 570*1* | **Score <= 2**N = 206*1* | **Score > 2**N = 364*1* | **OR** | **95% CI** | **p-value** | **OR** | **95% CI** | **p-value** |
| **Gender** |  |  |  |  |  | 0.8 |  |  |  |
| Male | 130 (23%) | 44 (21%) | 86 (24%) | — | — |  |  |  |  |
| Female | 433 (76%) | 159 (77%) | 274 (75%) | 0.88 | 0.58, 1.33 |  |  |  |  |
| Not specified | 7 (1.2%) | 3 (1.5%) | 4 (1.1%) | 0.68 | 0.14, 3.59 |  |  |  |  |
| **Type** |  |  |  |  |  | **0.075** |  |  | 0.11 |
| Medical | 204 (36%) | 64 (31%) | 140 (38%) | — | — |  | — | — |  |
| Nurse | 366 (64%) | 142 (69%) | 224 (62%) | 0.72 | 0.50, 1.03 |  | 0.74 | 0.51, 1.07 |  |
| **Year of study (early or final clinical year)** |  |  |  |  |  | **0.010** |  |  | **0.013** |
| Early clinical years | 371 (65%) | 120 (58%) | 251 (69%) | — | — |  | — | — |  |
| Final clinical year | 199 (35%) | 86 (42%) | 113 (31%) | 0.63 | 0.44, 0.90 |  | 0.63 | 0.44, 0.91 |  |
| **Have you ever contacted/taken care of HIV patients?** |  |  |  |  |  | 0.2 |  |  |  |
| Yes | 192 (34%) | 76 (37%) | 116 (32%) | — | — |  |  |  |  |
| No | 378 (66%) | 130 (63%) | 248 (68%) | 1.25 | 0.87, 1.79 |  |  |  |  |
| **Have you ever been tested for HIV?** |  |  |  |  |  | 0.3 |  |  |  |
| Yes | 148 (26%) | 55 (27%) | 93 (26%) | — | — |  |  |  |  |
| No | 287 (50%) | 96 (47%) | 191 (52%) | 1.18 | 0.78, 1.78 |  |  |  |  |
| Not sure | 135 (24%) | 55 (27%) | 80 (22%) | 0.86 | 0.53, 1.39 |  |  |  |  |
| **HIV knowledge** | 6.2 (3, 9) | 6.5 (3, 9) | 6.1 (3, 9) | 0.73 | 0.62, 0.86 | **<0.001** | 0.73 | 0.62, 0.86 | **<0.001** |
| **Standard precaution on HIV knowledge** | 9.3 (4, 12) | 9.4 (5, 12) | 9.1 (4, 12) | 0.82 | 0.71, 0.95 | **0.006** | 0.83 | 0.71, 0.96 | **0.011** |
| *1*n (%); Mean (Min, Max) | | | | | | | | | |
| Abbreviations: CI = Confidence Interval, OR = Odds Ratio | | | | | | | | | |