

Table 1 Good knowledge (correct responses) of health care providers about MERS-CoV infection before and after the health education intervention, Mecca, Saudi Arabia

| Knowledge questions | Correct responses | | Fisher exact value | P-value ¹ |
|--|-----------------------|------------------------|--------------------|----------------------|
| | Pre-test (n = 281) | Post-test (n = 188) | | |
| | No. (%) | No. (%) | | |
| Causative agent | 264 (94.0) | 178 (94.7) | 0.11 | 0.841 |
| Reservoir of infection | 142 (50.5) | 132 (70.2) | 179 | < 0.001 |
| Source of infection | 259 (92.2) | 179 (95.2) | 1.05 | 0.335 |
| Transmission from an infected person to another | 264 (94.0) | 180 (95.7) | 0.72 | 0.530 |
| Methods of transmission | 194 (69.0) | 154 (81.9) | 9.78 | 0.008 |
| Transmission through renal dialysis | 116 (41.3) | 111 (59.0) | 14.23 | < 0.001 |
| Characteristics of infected cases in Saudi Arabia | 180 (64.0) | 148 (78.7) | 12.37 | 0.002 |
| Incubation period in humans | 166 (59.1) | 139 (73.9) | 10.94 | 0.001 |
| Disease manifestations in humans | 163 (58.0) | 149 (79.3) | 29.10 | < 0.001 |
| Risk level among health care providers | 259 (92.2) | 181 (96.3) | 3.27 | 0.080 |
| Risk of death if delay in seeking treatment | 265 (94.3) | 179 (95.2) | 0.18 | 0.834 |
| Isolation of suspected cases in the emergency department | 238 (84.7) | 174 (92.6) | 6.51 | 0.014 |
| Recommendations when admitting suspected/confirmed cases at hospital | 150 (53.4) | 128 (68.1) | 10.09 | 0.006 |
| Recommendations for contact of confirmed cases at home | 202 (71.9) | 158 (84.0) | 10.08 | 0.006 |
| Diagnosis of disease in humans | 213 (75.8) | 159 (84.6) | 8.01 | 0.018 |
| Availability of vaccine | 208 (74.0) | 166 (88.3) | 14.21 | < 0.001 |
| Protection by seasonal influenza vaccine | 167 (59.4) | 137 (72.9) | 8.93 | 0.003 |
| WHO travel ban to Saudi Arabia | 158 (56.2) | 137 (72.9) | 13.37 | < 0.001 |
| Methods of providing health care to patients | 138 (49.1) | 129 (68.6) | 17.73 | < 0.001 |
| Possible cure from infection | 231 (82.2) | 165 (87.8) | 2.65 | 0.119 |
| Time to return to daily activities if cured | 86 (30.6) | 122 (64.9) | 53.66 | < 0.001 |

¹*Boldface indicates statistically significant difference.*