|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Characteristics** | **The Number of the Participants for the Results of *P. Jirovecii* Real-Time PCR (%)** | | | | | | | |
| **General Adult Population (n=100)** | | **Health Care Workers (n=100)** | | **Immunocompromised Individuals (n=50)** | | **Total (n=250)** | |
|  | **Positive** | **Negative** | **Positive** | **Negative** | **Positive** | **Negative** | **Positive** | **Negative** |
| **Gender** | | | | | | | | |
| Female | 11 | 45 | 16 | 63 | 7 | 16 | 34 (21.5) | 124 (78.5) |
| Male | 10 | 34 | 6 | 15 | 7 | 20 | 23 (25.0) | 69 (75.0) |
| p# | 0.707 | | 0.413 | | 0.723 | | 0.527 | |
| **Age (year)** | | | | | | | | |
| <30 | 3 | 12 | 12 | 32 | 1 | 3 | 16 (25.4) | 47 (74.6) |
| 30-49 | 15 | 41 | 8 | 44 | 1 | 4 | 24 (21.2) | 89 (78.8) |
| ≥50 | 3 | 26 | 2 | 2 | 12 | 29 | 17 (23.0) | 57 (77.0) |
| *p#* 0.819 | | | | | | | | |
| **Chronic Lung Disease\*** | | | | | | | | |
| Yes | 2 | 7 | 1 | 5 | 2 | 5 | 5 (22.7) | 17 (77.3) |
| No | 19 | 72 | 21 | 73 | 12 | 31 | 52 (22.8) | 176 (77.2) |
| p# | 0.808 | | 0.745 | | 0.514 | | 0.993 | |
| **Antibiotic Treatment\*\*** | | | | | | | | |
| Yes | 4 | 10 | 6 | 17 | 7 | 11 | 17 (30.9) | 38 (69.1) |
| No | 17 | 69 | 16 | 61 | 7 | 25 | 40 (20.5) | 155 (79.5) |
| p# | 0.453 | | 0.59 | | 0.136 | | 0.105 | |
| **Smoking** | | | | | | | | |
| Yes | 6 | 24 | 6 | 27 | 3 | 3 | 15 (21.7) | 54 (78.3) |
| No | 15 | 55 | 16 | 51 | 11 | 33 | 42 (23.2) | 139 (76.8) |
| p# | 0.872 | | 0.518 | | 0.201 | | 0.805 | |
| **Alcohol Intake (>40g/day)** | | | | | | | | |
| Yes | 0 | 4 | 4 | 10 | 1 | 1 | 5 (25.0) | 15 (75.0) |
| No | 21 | 75 | 18 | 68 | 13 | 35 | 52 (22.6) | 178 (77.4) |
| p# | 0.576 | | 0.522 | | 0.479 | | 0.807 | |
| **Immunosuppressive Treatment\*\*\*** | | | | | | | | |
| Yes | 2 | 3 | 3 | 4 | 13 | 35 | 18 (30.0) | 42 (70.0) |
| No | 19 | 76 | 19 | 74 | 1 | 1 | 39 (20.5) | 151 (79.5) |
| p# | 0.282 | | 0.167 | | 0.675 | | 0.127 | |
| **Total** | **21** | **79** | **22** | **78** | **14** | **36** | **57** | **193** |

#Analyzed by Pearson chi square test.

\*Chronic bronchitis, emphysema, bronchial asthma.

\*\*In last three months for any reason.

\*\*\*Corticosteroid or any immunosuppressive drug treatment in last six months for any reason.

**Table 1:** The characteristics of participant and their relations with *P. jirovecii* colonization.