

Table 2 Association between ABO blood groups and demographic and socioeconomic characteristics, Mashad, 2017

| Characteristic | Blood group | | | | Total | Rh+ | Rh- | P-value ^a | P-value ^b |
|------------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|----------------------|----------------------|
| | A | B | AB | O | | | | | |
| | No. (%) | No. (%) | No. (%) | No. (%) | No. (%) | No. (%) | No. (%) | | |
| Sex | | | | | | | | | |
| Male | 869 (39.6) | 822 (40.8) | 204 (34.1) | 987 (40.2) | 2882 (39.7) | 2543 (39.6) | 339 (39.6) | 0.02 | 0.99 |
| Female | 1327 (60.4) | 1194 (59.2) | 395 (65.9) | 1470 (59.8) | 4386 (60.3) | 3870 (60.4) | 516 (60.4) | | |
| Education | | | | | | | | | |
| Illiterate | 326 (14.9) | 280 (13.9) | 81 (13.7) | 326 (13.3) | 1013 (14.0) | 897 (14.0) | 116 (13.7) | 0.07 | 0.73 |
| Elementary | 910 (41.7) | 796 (39.6) | 250 (42.2) | 1043 (42.6) | 2999 (41.5) | 2667 (41.8) | 333 (39.3) | | |
| Diploma | 738 (33.8) | 703 (35.1) | 204 (34.4) | 790 (32.2) | 2435 (33.7) | 2128 (36.1) | 306 (33.3) | | |
| Bachelor degree | 184 (8.4) | 205 (10.2) | 53 (8.9) | 254 (10.3) | 696 (9.6) | 373 (5.8) | 53 (6.2) | | |
| Masters/PhD | 20 (0.9) | 22 (1.1) | 5 (0.9) | 34 (1.3) | 81 (1.1) | 72 (1.1) | 9 (1.0) | | |
| Religious education | 4 (0.2) | 2 (0.1) | 0 (0.0) | 3 (0.1) | 9 (0.1) | 9 (0.1) | 0 (0.0) | | |
| Job status | | | | | | | | | |
| Student | 4 (0.2) | 2 (0.1) | 0 (0.0) | 0 (0.0) | 6 (0.1) | 4 (0.1) | 2 (0.2) | 0.23 | 0.15 |
| Employed | 770 (35.1) | 725 (36.0) | 206 (34.4) | 860 (35.1) | 2561 (35.3) | 2257 (35.2) | 303 (35.5) | | |
| Unemployed | 1208 (55.1) | 1072 (53.2) | 344 (57.5) | 1364 (55.6) | 3988 (55.0) | 3535 (55.2) | 454 (53.2) | | |
| Retired | 210 (9.6) | 215 (10.7) | 48 (8.8) | 229 (9.3) | 702 (9.7) | 607 (9.5) | 95 (11.1) | | |
| Be current smoker | 500 (22.8) | 446 (22.1) | 132 (22.1) | 516 (21.0) | 702 (9.7) | 1409 (22.0) | 186 (21.8) | 0.52 | 0.87 |
| | Mean (SD) | Mean (SD) | Mean (SD) | Mean (SD) | Mean (SD) | Mean (SD) | Mean (SD) | | |
| No. of family members | 4.5 (1.5) | 4.4 (1.5) | 4.5 (1.5) | 4.5 (2.5) | 4.5 (1.9) | 4.5 (1.9) | 4.4 (1.5) | 0.59 | 0.12 |

Independent samples t-test and ANOVA were used for comparing demographic characteristics between Rh groups and ABO blood groups, respectively.
SD = standard deviation.

P-value^a: difference in anthropometric parameters between ABO blood groups; P-value^b: difference in anthropometric parameters between Rh groups.