**Table 1**. Entry characteristics and performance (grades) of module Trop 938 participants stratified by programme

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **TOTAL (N=89)****N (%)** | **MTID (N=49)** **N (%)** | **MTP (N=40)** **N (%)** |  |
| **Male sex** | 42 (47) | 26 (53) | 16 (40) |  |
| **Age groups, years:** <2525-3435-44>45  | 2 (2)66 (74)15 (17)6 (7) | 038 (78)10 (20)1 (2) | 2 (5)28 (70)5 (12)5 (12) |  |
| **Enrolment, year:**20102011201220132014  | 19 (21)19 (21)14 (16)22 (25)15 (17) | 9 (18)10 (20)7 (14)13 (27)10 (20) | 10 (25)9 (22)7 (18)9 (22)5 (12) |  |
| **Medical degree awarded in *(n=88):***UKOther European countryAfrican countriesOther countries | 17 (19)19 (22)31 (35)21 (24) | 9 (18)9 (18)14 (29)17 (35) | 8 (20)10 (26)17 (44)4 (10) |  |
| **Time since medical degree, years ago *(n=72)*:** |  |  |  |  |
| < 2 2- 45-9>10 | 3 (4)23 (32)32 (44)14 (19) | 1 (3)16 (41)15 (38)7 (18) | 2 (6)7 (21)17 (52)7 (21) |  |
| **Module grades, first sit (*n=88)*:** |  |  |  |  |
| DistinctionMeritPassFail | 47 (53)23 (26)13 (15)5 (6) | 26 (54)11 (23)7 (15)4 (8) | 21 (52)12 (30)6 (15)1 (2) |  |
| **English language skill (*n=60)***Majority EnglishIELTS Other test | 21 (35)25 (42)14 (23) | 13 (37)16 (46)6 (17) | 8 (32)9 (36)8 (32) |  |
|  |  |  |  |  |

MTID: MSc in Tropical and Infectious Diseases; MTP: MSc in Tropical Paediatrics; IELTS: International English language testing system; Grades (marks): Distinction (>70%), Merit (60-69%), Pass (50-59%), Fail (<50%); Majority English: Student comes from a country where the majority of the population speaks English

**Table 2**. Univariate analysis: Student’s t-test and one-way analysis of variance (ANOVA) for differences in mean module marks between categories of participant entry characteristics (N=88).

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Characteristic** | **N** | **Mean (SD)** **Module mark** | **Test statistic** **(Degrees of freedom)**  |  | **P** | **Effect size** |
| **Programme**MTID MTP | 4840 | 68.4 (11.5)70.0 (10.3) | *t* = -0.696 (86)  |  | 0.49 |  |
| **Sex**Female Male | 4741 | 69.8 (10.3)68.3 (11.6) | *t* = -0.637 (86)  |  | 0.53 |  |
| **Enrolment, year:**20102011201220132014  | 1918142215 | 70.3 (9.7)66.6 (9.6)69.8 (7.6)71.5 (12.5)66.8 (13.8) | *F*= 0.73 (4, 83) |  | 0.58 |  |
|  **Medical degree awarded in** ***(n=87):***UKOther European countryAfrican countries Other countries | 16193121  | 79.4 (5.5)71.3 (6.9)67.8 (10.0)61.9 (12.2) | *F*= 15.66 (3, 44)† |  | <0.0001 | ϖ2 = 0.336 |
| **English language skill (*n=59):***Majority English IELTS Other test | 202514  | 72.6 (14.2)69.0 (8.9)68.5 (11.9) | *F*= 0.7 (2, 58) |  | 0.50 |  |

† Welch F-ratio reported where variances are unequal.

Adjusted omega squared formula (ϖ2) for effect size for Welch F.

**Table 3.** Multivariable analysis: Multiple linear regression (backward stepwise) for the outcome module mark (N= 56)

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Exploratory variables B SE β R2adj

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Model 5 0.32

Time since medical degree -0.61 0.22 -0.28a

Place of medical degree -4.57 1.04 -0.44b

Model 1 0.30

Enrollment -0.26 1.39 -0.02

Sex 1.84 2.69 0.08

Programme 1.15 2.81 0.05

Time since medical degree -0.66 0.27 -0.32c

Place of medical degree -4.83 1.54 -0.45d

English language skill 0.71 1.30 0.07

ap=0.007, bp=0.000, cp=0.019, dp=0.003

B- unstandardized beta regression coefficient (slope of the regression equation) indicating best fit of linear regression line; SE- standard error of B; β- weighted beta, showing relative importance of the explanatory variable for the outcome and indicating how much the outcome changes per unit change of the explanatory variable; R2adj – coefficient of determination, indicating how much variance in the outcome variable is explained by the explanatory variables in the model, accounting for the number of explanatory variables. Significance level of 95% applies. Data for models 2,3 and 4 are not shown.