

Supplementary File 2
University Applicants from Refugee Backgrounds and Dropout from Pre-Study Programs: A Mixed Methods Study
Table 1: Effects on the intention to dropout from pre-study programs (hierarchical logistic regression models)

| | M1 baseline | M2 adaptation | M3 ed & sociodemo | M4 complete |
|---|-----------------------------|-----------------------------|------------------------------|------------------------------|
| migration channel | | | | |
| refugee students (vs. internationals) | 0.09 (0.03) | 0.07 (0.04) | 0.01 (0.04) | 0.00 (0.04) |
| language integration | | | | |
| competence mostly German (vs. mostly other) | | - (0.02) | | 0.01 (0.02) |
| half/half (vs. mostly other) | | 0.06 (0.04) | | -0.06 (0.03) |
| perceived exclusion | | | | |
| worries about expulsion | | 0.04 (0.01) | | 0.02 (0.01) |
| worries about xenophobia | | 0.01 (0.01) | | 0.00 (0.00) |
| mental adjustment | | | | |
| WHO 5 Scale <= 28 | | 0.11 (0.03) | | 0.08 (0.03) |
| resilient coping | | - (0.02) | | -0.01 (0.02) |
| higher ed. social integration | | | | |
| social contacts with university experience (vs. none) | | | -0.03 (0.03) | -0.03 (0.03) |
| belonging to the course | | | -0.07 (0.02) | -0.06 (0.02) |
| higher ed. academic integration | | | | |
| student self-identification | | | -0.01 (0.01) | -0.01 (0.01) |
| perceived competence convergent subject preferences (vs. divergent) | | | -0.04 (0.02) | -0.04 (0.02) |
| study abroad (vs. none) | | | -0.07 (0.03) | -0.06 (0.03) |
| sociodemographics | | | | |
| female (vs. male) | | | 0.00 (0.03) | 0.00 (0.03) |
| age in years | | | 0.01 (0.00) | 0.01 (0.00) |
| parents with HE-degree (vs. none) | | | -0.01 (0.03) | -0.01 (0.03) |

| | | | | |
|---------------------------|-----|-----|-----------------------------|-----------------------------|
| finances | | | | |
| migration dept (vs. none) | | | 0.07 (0.03) | 0.06 (0.03) |
| financing problems | | | 0.03 (0.01) | 0.03 (0.01) |
| N | 954 | 954 | 954 | 954 |

Source: Study Preparation Survey (Project WeGe), own calculation. Notes: Average marginal effects with standard errors in parentises. **Bolt faces** indicate significance at p-value < 0.05, **Bolt italic** at p-value < 0.1. All models control for course typ (language course vs. ‘Studienkolleg’) and student composition (share of refugee students). Based on multiple imputed data.

Supplementary file 2, Table 2: Decomposition of the migration channel effect conditional on the reference group (Fairlie Decomposition)

| | refugee students | | international students | |
|---|----------------------------|------------------|----------------------------|------------------|
| | explained effect component | share in percent | explained effect component | share in percent |
| language integration | | 0.35 | | -0.03 |
| competence | 0.00 | 0.03 | 0.00 | -0.02 |
| mostly German (vs. mostly other) | 0.05 | 0.32 | 0.00 | -0.01 |
| half/half (vs. mostly other) | 0.02 | | 0.00 | |
| perceived exclusion | | -0.09 | | -0.14 |
| worries about expulsion | -0.01 | -0.07 | -0.03 | -0.22 |
| worries about xenophobia | 0.00 | -0.02 | 0.01 | 0.08 |
| mental adjustment | | 0.01 | | -0.05 |
| WHO 5 Scale <= 28 | -0.01 | -0.05 | -0.01 | -0.05 |
| resilient coping | 0.01 | 0.06 | 0.00 | 0.00 |
| higher ed. social integration | | -0.05 | | -0.14 |
| social contacts with university experience (vs. none) | 0.00 | -0.03 | -0.01 | -0.12 |
| belonging to the course | 0.00 | -0.02 | 0.00 | -0.02 |
| higher ed. academic integration | | 0.15 | | -0.12 |
| student self-idenification | 0.01 | 0.06 | -0.02 | -0.13 |
| perceived competence | 0.00 | 0.00 | 0.00 | 0.00 |
| convergent subject preferences (vs. divergent) | -0.01 | -0.11 | -0.01 | -0.06 |
| study abroad (vs. none) | 0.02 | 0.20 | 0.01 | 0.07 |
| sociodemographics | | -0.02 | | -0.99 |
| female (vs. male) | 0.03 | 0.25 | -0.02 | -0.13 |
| age in years | -0.03 | -0.22 | -0.10 | -0.82 |

| | | | | |
|--------------------------------------|-------|--------------|-------|--------------|
| parents with HE-degree (vs. none) | -0.01 | -0.05 | 0.00 | -0.04 |
| finances | | -0.35 | | -0.06 |
| migration dept (vs. none) | -0.03 | -0.26 | 0.00 | 0.00 |
| financing problems | -0.01 | -0.09 | -0.01 | -0.06 |

Source: Study Preparation Survey (Project WeGe), own calculation. Notes: Ratios of the effect of the refugee background explained by groups of variables (in percent) using the M4 complete model with all covariates. N=954 with multiple imputed data. *left column* = reference group refugee students; *right column* = reference group international students).