

Table 3 Meta-regression analysis for assessing the effect of suspected variables on the pooled 1-, 3-, 5- and 10-year's survival rate for women with breast cancer in the Eastern Mediterranean Region, 1946–2018

| Survival | Variable | Univariable model | | | Multivariable model | | |
|----------|-----------------|-------------------|------|---------|---------------------|------|---------|
| | | β | SE | P-value | β | SE | P-value |
| 1-year | Sample size | 2.7 | 2.4 | 0.281 | -0.7 | 2.3 | 0.761 |
| | HDI | 3.1 | 4.8 | 0.525 | 11.8 | 5.2 | 0.032 |
| | Decade of study | 3.1 | 3.0 | 0.763 | -5.9 | 3.2 | 0.091 |
| | Ethnicity | 4.4 | 2.2 | 0.068 | 9.7 | 3.1 | 0.007 |
| 3-year | Sample size | -1.9 | 4.6 | 0.612 | -1.3 | 4.3 | 0.752 |
| | HDI | 11.8 | 4.8 | 0.028 | 11.0 | 7.5 | 0.154 |
| | Decade of study | 4.0 | 5.0 | 0.482 | 1.5 | 6.0 | 0.823 |
| | Ethnicity | -4.2 | 4.1 | 0.329 | -0.6 | 5.9 | 0.914 |
| 5-year | Sample size | 3.6 | 3.1 | 0.234 | 3.0 | 2.9 | 0.325 |
| | HDI | 9.0 | 3.6 | 0.012 | 8.1 | 3.7 | 0.036 |
| | Decade of study | 8.2 | 3.9 | 0.048 | 5.4 | 4.1 | 0.179 |
| | Ethnicity | 2.9 | 3.0 | 0.397 | 2.2 | 9.9 | 0.425 |
| 10-year | Sample size | -2.7 | 9.2 | 0.752 | -0.6 | 11.0 | 0.981 |
| | HDI | -1.0 | 10.3 | 0.952 | -3.0 | 11.0 | 0.834 |
| | Decade of study | 10.5 | 12.1 | 0.443 | 11.0 | 20.0 | 0.516 |
| | Ethnicity | 5.5 | 9.6 | 0.526 | -0.3 | 37.7 | 0.327 |

SE = standard error.

HDI = Human Development Index.