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| Table 1:   The distribution of the research variables among Jewish women and among Muslim Arab women. | | | | |
|  |  | Jewish  (N=743,090) | Muslim Arab  (N=74,355) | p |
| Age | | 39.08(5.66) | 37.99(5.90) | <0.001 |
| Number of children | | 4.87(3.54) | 2.45 (1.95) | <0.001 |
| Country of Origin | Asia/Africa | 33.4% | 4.0% | <0.001 |
| Europe/America | 44.0% | 1.4% |
| Israel | 22.6% | 94.6% |
| Settlement Size | Small | 84.6% | 55.3% | <0.001 |
|  | Large |  |  |  |
| Socio-economic status | Low | 23.7% | 84.7% | <0.001 |
| Medium | 43.2% | 11.8% |
| High | 33.1% | 3.6% |

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| Table 2:  Breast cancer mortality rate by research variables among study population (N = 817,455). | | | | |
|  |  | Breast cancer mortality per 10,000 women | AHR (Age-adjusted Hazard Ratio), 99%CI | p |
| Ethnicity | Jewish | 105.40 | 1.00 |  |
| Muslim Arab | 84.33 | 0.866  (0.778-0.964 | <0.001 |
| Number of children | 0-3 | 106.54 | 1.00 |  |
| >3 | 95.19 | 0.902  (0.845-0.962) | <0.001 |
| Country of Origin | Asia/Africa | 96.47 | 1.00 |  |
| Israel | 105.06 | 1.068  (0.997-1.143) | 0.013 |
| Europe/America | 107.59 | 1.109  (1.031-1.192) | <0.001 |
| Settlement Size | Small | 84.30 | 1.00 |  |
| Large | 107.70 | 1.229  )1.136-1.330( | <0.001 |
| Socio-economic status | Low | 99.96 | 1.00 |  |
| Medium | 111.94 | 1.179  )1.101-1.262( | <0.001 |
| High | 97.27 | 1.019  (0.945-1.098) | 0.526` |

Graph 1 - Mortality rates from all causes and breast cancer among the entire study population of 817,455 women.

Jewish women (blue line) and Muslim Arab women (Red line).

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| Mortality rates from all causes | |
| Kaplan Meier  Survivor curve | Age adjusted HR  (99% CI) |
|  | 1.658  (1.612-1.704) |
| Breast cancer mortality |  |
| Kaplan Meier  Survivor curve | Age adjusted HR  (99% CI) |
|  | 0.866  (0.778-0.964) |

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| Table 3:  Multivariate Cox models for breast cancer mortality prediction among study population  (N = 817,455). | | | | |
|  |  | Model 1 | Model 2 | Model 3 |
|  |  | HR CI99% | HR CI99% | HR CI99% |
| Ethnicity | Jewish | 1.00 | 1.00 | 1.00 |
| Muslim Arab | .815(0.722-.920) | 0.849(0.752-.960) | 0.904 (0.793-1.031) |
| Number of children | 0-3 | 1.00 | 1.00 | 1.00 |
| >3 | 0.925(0.963-0.992) | 0.938(0.875-1.007) | 0.924(0.861-0.992) |
| Country of Origin | Asia/Africa | 1.00 | 1.00 | 1.00 |
| Israel | 1.044(0.972-1.120) | 1.046(0.974-1.123) | 1.060(0.985-1.140) |
| Europe/America | 1.166(1.078-1.260) | 1.181(1.092-1.277) | 1.173(1.083-1.270) |
| Settlement Size | Small |  | 1.00 | 1.00 |
| Large |  | 1.219 (1.124-1.322) | 1.189 (1.095-1.291) |
| Socio-economic status | Low |  |  | 1.00 |
| Medium |  |  | 1.140 (1.060-1.227) |
| High |  |  | 0.970 (0.893-1.364) |

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| Table 4:  Breast cancer mortality rate by research variables among Jewish women (N = 743,090) and among Muslim Arab women (N = 74,355). | | | |
|  |  | Model A : Jewish  (N = 743,090) | Model B: Muslim Arab  (N = 74,355) |
|  |  | Age adjusted HR  CI99ֵֵ% | Age adjusted HR  CI99ֵֵ% |
| Number of children | 0-3 | 1.00 | 1.00 |
|  | >3 | 0.960(0.896-1.028) | 0.751 (0.609-0.927) |
|  | Asia/Africa | 1.00 | 1.00 |
| Israel | 1.08 (1.001-1.146) | 0.651 (0.159-4.466) |
| Europe/America | 1.185(1.096-1.282) | 0.703(0.373-1.326) |
| Settlement Size | Small | 1.00 | 1.00 |
| Large | 1.217  )1.115-1.329( | 1.177 (0.954-1.451) |
| Socio-economic status | Low | 1.00 | 1.00 |
| Medium | 1.146  (1.064-1.235) | 1.309(1.015-1.796) |
| High | 0.988(0.912-1.071) | 1.591(1.052 -2.613) |

Graph 2 - Breast cancer mortality by number of children among Jewish and Muslim Arab women as separate groups:

0-3 children (blue line) and >3 children (Red line).

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| - Breast cancer mortality by number of children among Jewish women (N = 743,090) | |
| Kaplan Meier  Survivor curve | Age adjusted HR  (99% CI) |
|  | 0.960  (0.896-1.028) |
| Breast cancer mortality by number of children among Muslim Arab women (N = 74,355). |  |
| Kaplan Meier  Survivor curve | Age adjusted HR  (99% CI) |
|  | 0.751  (0.609-0.927) |

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Graph 3 - Breast cancer by socio-economic status among Jewish and Muslim Arab women as separate groups:

Low Socioeconomic status (blue line) , Medium Socioeconomic status (Red line) and High Socioeconomic status (green line)

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| **- Breast cancer mortality by socioeconomic status among Jewish women (N = 743,090)** | |
| Kaplan Meier  Survivor curve | Age adjusted HR  (99% CI) |
|  | Low -1.00  Medium- 1.146 (1.064-1.235)  High -0.988 (0.912-1.071) |
| **Breast cancer mortality by socioeconomic status among Muslim Arab women (N = 74,355).** | |
| Kaplan Meier  Survivor curve | Age adjusted HR  (99% CI) |
|  | Low- 1.00  Medium- 1.309 (1.015-1.796)  High -1.591 (1.052 -2.613) |