**Supplementary Table 2.** Complex interactions between factors on overall survival.

|  |  |  |  |
| --- | --- | --- | --- |
| **Interactions** | **HR** | **95% CI** | **P-value** |
| Insurance and age group |   |   |   |   |
|  Insured with age ≥ 60 | 0.91 | 0.38 | 2.20 | 0.839 |
|  Uninsured with age < 60 | 3.69 | 1.53 | 8.92 | \*0.004 |
|  Uninsured with age ≥ 60 | 2.11 | 0.85 | 5.26 | 0.108 |
| Sex and Insurance |   |   |   |   |
|  Female with Uninsured  | 2.78 | 1.32 | 5.83 | \*0.007 |
|  Male with Insured | 0.83 | 0.30 | 2.27 | 0.71 |
|  Male with Uninsured | 2.60 | 0.86 | 7.84 | 0.09 |
| Sex and employment |   |   |   |   |
|  Female and Employment  | 2.21 | 1.03 | 4.72 | \*0.041 |
|  Male and Unemployment | 2.09 | 0.84 | 5.20 | 0.113 |
|  Male and Employment | 0.30 | 0.04 | 2.29 | 0.243 |
| Language and insurance  |   |   |   |   |
|  English with Uninsured | 2.75 | 1.19 | 6.37 | \*0.018 |
|  Spanish with Insured | 0.89 | 0.36 | 2.17 | 0.791 |
|  Spanish with Uninsured | 2.82 | 1.11 | 7.16 | \*0.029 |
| Marital status and religion  |   |   |   |   |
|  In a relationship with no religious  | 0.66 | 0.08 | 5.31 | 0.699 |
|  Not in a relationship with a religious | 1.44 | 0.64 | 3.24 | 0.384 |
|  Not in a relationship with no religious | 2.90 | 1.05 | 8.00 | \*0.04 |
| Insurance and marital status  |   |   |   |   |
|  Insured with not in a relationship  | 1.00 | 0.42 | 2.42 | 0.995 |
|  Uninsured with not in a relationship  | 3.05 | 1.36 | 6.84 | \*0.007 |
| Insurance and Employment  |   |   |   |   |
|  Insured and employed  | 1.75 | 0.71 | 4.27 | 0.222 |
|  Uninsured and unemployed | 3.85 | 1.55 | 9.58 | \*0.004 |
|  Uninsured and employed | 4.08 | 1.41 | 11.76 | \*0.009 |
| Insurance and religion  |   |   |   |   |
|  Insured and not religious  | 2.24 | 0.81 | 6.18 | 0.118 |
|  Uninsured and religious | 3.54 | 1.71 | 7.34 | \*0.001 |
|  Uninsured and not religious | 2.84 | 0.82 | 9.81 | 0.099 |

Data are presented as a hazard ratio (HR) with 95% confidence interval (CI) and P-value. Significant associations are indicated with asterisks (\*).