**Supplementary Table 3.** Complex interactions between social determinants of health factors and clinical factors on overall survival.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **With 6mwd** | | | | **With mPAP** | | | | **With CO** | | | | **With WHO-FC** | | | |
| **HR** | **95%CI** | | **p-value** | **HR** | **95%CI** | | **p-value** | **HR** | **95%CI** | | **p-value** | **HR** | **95%CI** | | **p-value** |
| **Age** | | | | | | | | | | | | | | | | |
| Age < 60 | 0.99 | 0.99 | 1.00 | <0.001 | 1.03 | 1.00 | 1.05 | 0.018 | 0.73 | 0.56 | 0.95 | 0.017 | 13.34 | 1.82 | 98.04 | 0.011 |
| Age ≥ 60 | 0.99 | 0.99 | 0.99 | <0.001 | 1.03 | 1.00 | 1.06 | 0.028 | 0.69 | 0.52 | 0.90 | 0.006 | 11.44 | 1.56 | 83.96 | 0.017 |
| **Sex** | | | | | | | | | | | | | | | | |
| Female | 0.99 | 0.99 | 1.00 | <0.001 | 1.03 | 1.01 | 1.06 | 0.015 | 0.68 | 0.52 | 0.89 | 0.005 | 12.74 | 1.74 | 93.08 | 0.012 |
| Male | 0.99 | 0.99 | 1.00 | <0.001 | 1.03 | 1.00 | 1.06 | 0.031 | 0.74 | 0.57 | 0.96 | 0.022 | 11.93 | 1.60 | 89.07 | 0.016 |
| **Language** | | | | | | | | | | | | | | | | |
| English | 0.99 | 0.99 | 1.00 | <0.001 | 1.03 | 1.00 | 1.06 | 0.021 | 0.72 | 0.55 | 0.94 | 0.016 | 12.39 | 1.69 | 90.71 | 0.013 |
| Spanish | 0.99 | 0.99 | 0.99 | <0.001 | 1.03 | 1.00 | 1.05 | 0.03 | 0.70 | 0.54 | 0.90 | 0.007 | 12.29 | 1.67 | 90.67 | 0.014 |
| **Marital Status** | | | | | | | | | | | | | | | | |
| Relationship | 0.99 | 0.99 | 0.99 | <0.001 | 1.02 | 1.00 | 1.05 | 0.108 | 0.61 | 0.44 | 0.83 | 0.002 | 10.15 | 1.36 | 75.81 | 0.024 |
| Not relationship | 0.99 | 0.99 | 1.00 | <0.001 | 1.03 | 1.00 | 1.05 | 0.018 | 0.75 | 0.59 | 0.96 | 0.022 | 13.32 | 1.82 | 97.30 | 0.011 |
| **Insurance** | | | | | | | | | | | | | | | | |
| Insured | 0.99 | 0.99 | 0.99 | <0.001 | 1.02 | 0.99 | 1.04 | 0.249 | 0.62 | 0.48 | 0.81 | <0.001 | 9.45 | 1.27 | 70.08 | 0.028 |
| Uninsured | 0.99 | 0.99 | 1.00 | <0.001 | 1.03 | 1.01 | 1.06 | 0.006 | 0.85 | 0.67 | 1.08 | 0.181 | 14.74 | 2.02 | 107.70 | 0.008 |
| **Employment** | | | | | | | | | | | | | | | | |
| Unemployed | 0.99 | 0.99 | 0.99 | <0.001 | 1.03 | 1.00 | 1.05 | 0.049 | 0.71 | 0.55 | 0.91 | 0.008 | 11.80 | 1.61 | 86.61 | 0.015 |
| Employed | 0.99 | 0.99 | 1.00 | <0.001 | 1.03 | 1.01 | 1.05 | 0.015 | 0.71 | 0.54 | 0.93 | 0.013 | 13.11 | 1.78 | 96.34 | 0.011 |
| **Religious** | | | | | | | | | | | | | | | | |
| Religious | 0.99 | 0.99 | 0.99 | <0.001 | 1.03 | 1.00 | 1.05 | 0.029 | 0.71 | 0.55 | 0.90 | 0.006 | 11.83 | 1.61 | 86.84 | 0.015 |
| Not religious | 0.99 | 0.99 | 1.00 | <0.001 | 1.03 | 1.01 | 1.06 | 0.016 | 0.75 | 0.52 | 1.08 | 0.119 | 13.36 | 1.80 | 98.86 | 0.011 |

Data are presented as a hazard ratio (HR) with 95% confidence interval (CI) and p-value. WHO-FC: World Health Organization Functional Classification; 6mwd: six-minute walk distance; mPAP: mean pulmonary pressure; CO: cardiac output.