Appendix Table 1: Usage of informal and formal caregiving, by Race and Heart Failure Status, 2010 Health and Retirement Study (%)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Total population (n=19,762) | | | | | | Non-Hispanic white (n=12,849) | | | | | | Non-Hispanic black (n=3,744) | | | | | |
| Without heart failure  (n=18,819) | | With heart failure  (n=943) | | *P*-value | | Without heart failure  (n=12,213) | | With heart failure  (n=636) | | *P*-value | | Without heart failure  (n=3,540) | | With heart failure  (n=204) | | *P*-value | |
| Informal Caregiving |  | |  | |  | |  | |  | |  | |  | |  | |  | |
| Utilization (%) | 8.6 | | 33.0 | | <0.001 | | 7.7 | | 30.0 | | <0.001 | | 12.7 | | 37.9 | | <0.001 | |
| Weekly hours | 2.2 | | 10.7 | | <0.001 | | 1.8 | | 9.2 | | <0.001 | | 4.0 | | 16.3 | | <0.001 | |
| Number of caregivers | 0.2 | | 0.7 | | <0.001 | | 0.1 | | 0.6 | | <0.001 | | 0.3 | | 1.0 | | <0.001 | |
| Weekly hours per caregiver | 1.4 | | 6.5 | | <0.001 | | 1.2 | | 5.9 | | <0.001 | | 2.0 | | 8.2 | | <0.001 | |
| Within Utilization | (n=2,398) | |  | |  | | (n=1,368) | |  | |  | | (n=552) | |  | |  | |
| Weekly hours | 25.1 | | 32.4 | | .002 | | 23.1 | | 30.6 | | .023 | | 31.3 | | 43.2 | | .027 | |
| Number of caregivers | 1.7 | | 1.9 | | .007 | | 1.6 | | 1.7 | | .037 | | 2.1 | | 2.5 | | .234 | |
| Weekly hours per caregiver | 16.4 | | 19.6 | | .046 | | 15.7 | | 19.8 | | .096 | | 15.8 | | 21.5 | | .095 | |
| Formal Caregiving |  |  | |  | |  | |  | |  | |  | |  | |  | |
| Utilization (%) | 1.5 | | 9.1 | | <0.001 | | 1.3 | | 7.5 | | <0.001 | | 2.9 | | 13.8 | | <0.001 | |
| Weekly hours | 0.4 | | 2.8 | | .003 | | 0.4 | | 2.6 | | .028 | | 0.6 | | 3.2 | | .017 | |
| Number of caregivers | 0.02 | | 0.1 | | <0.001 | | 0.02 | | 0.1 | | <0.001 | | 0.03 | | 0.2 | | .009 | |
| Weekly hours per caregiver | 0.3 | | 1.8 | | .001 | | 0.3 | | 1.6 | | .020 | | 0.5 | | 2.9 | | .024 | |
| Within Utilization | (n=427) | |  | |  | | (n=239) | |  | |  | | (n=111) | |  | |  | |
| Weekly hours | 29.1 | | 31.1 | | .783 | | 33.0 | | 35.1 | | .852 | | 20.7 | | 23.0 | | .788 | |
| Number of caregivers | 1.2 | | 1.4 | | .172 | | 1.3 | | 1.4 | | .467 | | 1.2 | | 1.3 | | .305 | |
| Weekly hours per caregiver | 21.7 | | 20.5 | | .790 | | 22.9 | | 21.2 | | .768 | | 18.1 | | 21.1 | | .730 | |

Notes: All statistics are properly weighted.

Appendix Table 2: Effect of heart failure on informal caregiving hours from two-part model, 2010 Health and Retirement Study

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | | Total population (n=19,762) | | Non-Hispanic white (n=12,849) | | Non-Hispanic black (n=3,744) | |
| Marginal Effect | Std. Err. | Marginal Effect | Std. Err. | Marginal Effect | Std. Err. |
| Heart failure | | 1.625\*\* | 0.315 | 1.359\*\* | 0.331 | 3.866\*\* | 1.180 |
| Races/ ethnicities | Non-Hispanic black | 1.841\*\* | 0.202 | - |  | - |  |
| Hispanic | 1.021\*\* | 0.280 | - |  | - |  |
| Other | 1.694\*\* | 0.622 | - |  | - |  |
| Gender | Female | 0.364 | 0.207 | 0.272 | 0.228 | -0.149 | 0.658 |
| Age | 65-74 | -0.205 | 0.248 | -0.409 | 0.298 | -0.291 | 0.708 |
| 75-84 | 1.208\*\* | 0.289 | 0.855\*\* | 0.283 | 2.165 | 1.108 |
| 85 over | 3.353\*\* | 0.353 | 2.397\*\* | 0.286 | 7.242\*\* | 0.898 |
| Married | | 1.404\*\* | 0.328 | 1.227\*\* | 0.274 | 1.857 | 1.073 |
| Education | High school graduate | -1.129\*\* | 0.358 | -0.768\* | 0.355 | -3.608\*\* | 1.389 |
| Some college | -1.752\*\* | 0.313 | -1.401\*\* | 0.289 | -3.682\*\* | 1.288 |
| College and more | -2.434\*\* | 0.383 | -1.900\*\* | 0.298 | -5.008\* | 2.277 |
| Self-reported chronic conditions | Hypertension | 0.692\* | 0.274 | 0.575\* | 0.243 | 0.280 | 1.282 |
| Diabetes | 0.804\*\* | 0.255 | 0.653\*\* | 0.199 | 1.926 | 1.035 |
| Cancer | 0.003 | 0.218 | 0.236 | 0.209 | -1.297 | 0.755 |
| Chronic lung disease | 1.500\*\* | 0.349 | 1.322\*\* | 0.350 | 1.117 | 0.920 |
| Stroke | 2.026\*\* | 0.264 | 1.638\*\* | 0.274 | 3.934\*\* | 0.576 |
| Psychiatric disorders | 1.784\*\* | 0.247 | 1.306\*\* | 0.241 | 3.974\*\* | 0.737 |
| Arthritis | 0.623\*\* | 0.228 | 0.632\* | 0.313 | 1.238 | 0.983 |
| Formal caregiving utilization | | 4.802\*\* | 0.461 | 4.618\*\* | 0.449 | 5.129\*\* | 1.125 |

Notes: \*\*p<0.01, \*p<0.05.