**Table 4**

**BMI Classification Interacted with Sex and Race**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **Female** | **Male** | **White** | **Hispanic** | **Black** |
| **Normal BMI** | -0.0972\*\* | REF | REF | 0.0352 | 0.2376\*\*\* |
|  | (0.0300) | (0.0416) | (0.0370) |
| **Overweight BMI** | -0.0535 | 0.0283 | 0.0770\* | 0.0682 | 0.2198\*\*\* |
|  | (0.0344) | (0.0272) | (0.0300) | (0.0446) | (0.0395) |
| **Obese BMI** | 0.0284 | 0.1015\*\* | 0.1393\*\*\* | 0.1323\*\* | 0.3272\*\*\* |
|  | (0.0357) | (0.0356) | (0.0376) | (0.0485) | (0.0418) |

\*\*\* denotes significance at 0.1%, \*\* denotes significance at 1%, and \* denotes significance at 5%. Columns one and two are part of one estimate while columns three, four, and five are part of a separate estimate. Other coefficients are available upon request.

**Table 3**

**Duration model with job and labor market factors**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **Parametric** | **Parametric – Lagged** | **Cox PH** | **Parametric** | **Parametric - Lagged** |
| Overweight | 0.0340 | 0.0557\*\* | -0.0398 | 0.0354 | 0.0498\* |
|  | (0.0206) | (0.0204) | (0.0226) | (0.0204) | (0.0202) |
| Obese | 0.1195\*\*\* | 0.1000\*\*\* | -0.1031\*\*\* | 0.1142\*\*\* | 0.0932\*\*\* |
|  | (0.0250) | (0.0250) | (0.0253) | (0.0248) | (0.0248) |
| Female | -0.0829\*\*\* | -0.0779\*\*\* | 0.0666\*\* | -0.0874\*\*\* | -0.0819\*\*\* |
|  | (0.0233) | (0.0234) | (0.0221) | (0.0235) | (0.0236) |
| Age | 0.0247\*\*\* | 0.0305\*\*\* | -0.0411\*\*\* | 0.0271\*\*\* | 0.0335\*\*\* |
|  | (0.0043) | (0.0044) | (0.0048) | (0.0043) | (0.0044) |
| Married | -0.0405 | -0.0424 | 0.0504 | -0.0388 | -0.0416 |
|  | (0.0278) | (0.0278) | (0.0306) | (0.0276) | (0.0276) |
| Separated | 0.0734 | 0.0589 | -0.0409 | 0.0644 | 0.0471 |
|  | (0.0493) | (0.0492) | (0.0544) | (0.0492) | (0.0490) |
| Black | 0.2053\*\*\* | 0.2026\*\*\* | -0.1748\*\*\* | 0.2005\*\*\* | 0.1983\*\*\* |
|  | (0.0304) | (0.0305) | (0.0279) | (0.0302) | (0.0303) |
| Hispanic | 0.0155 | 0.0146 | -0.0182 | 0.0137 | 0.0132 |
|  | (0.0323) | (0.0324) | (0.0299) | (0.0321) | (0.0321) |
| Child6 | 0.0053 | 0.0076 | -0.0062 | 0.0070 | 0.0095 |
|  | (0.0116) | (0.0116) | (0.0132) | (0.0115) | (0.0115) |
| GFinc | -0.0109\*\*\* | -0.0118\*\*\* | 0.0141\*\*\* | -0.0121\*\*\* | -0.0132\*\*\* |
|  | (0.0032) | (0.0032) | (0.0038) | (0.0032) | (0.0032) |
| HS | -0.0849\*\* | -0.0704\* | 0.0757\* | -0.0870\*\* | -0.0729\* |
|  | (0.0293) | (0.0294) | (0.0301) | (0.0290) | (0.0292) |
| SomeCol | -0.1300\*\*\* | -0.1412\*\*\* | 0.1447\*\*\* | -0.1322\*\*\* | -0.1443\*\*\* |
|  | (0.0344) | (0.0346) | (0.0354) | (0.0342) | (0.0344) |
| CollegePlus | -0.1172\*\*\* | -0.1467\*\*\* | 0.1353\*\*\* | -0.1091\*\*\* | -0.1413\*\*\* |
|  | (0.0318) | (0.0324) | (0.0335) | (0.0316) | (0.0321) |
| Score | -0.0054\*\*\* | -0.0050\*\*\* | 0.0046\*\*\* | -0.0054\*\*\* | -0.0050\*\*\* |
|  | (0.0005) | (0.0005) | (0.0005) | (0.0005) | (0.0005) |
| Ten | 0.0010\*\*\* | 0.0010\*\*\* | 0.0002 | -0.0004\* | -0.0005\* |
|  | (0.0002) | (0.0002) | (0.0002) | (0.0002) | (0.0002) |
| Exp | 0.0001 | 0.0001 | 0.0004\*\*\* | 0.0000 | -0.0000 |
|  | (0.0001) | (0.0001) | (0.0001) | (0.0001) | (0.0001) |
| Average | -0.0101 | -0.0078 | -0.0071 | -0.0104 | -0.0078 |
|  | (0.0178) | (0.0179) | (0.0208) | (0.0177) | (0.0178) |
| Poor | -0.0525 | -0.0499 | 0.0054 | -0.0566\* | -0.0545\* |
|  | (0.0272) | (0.0273) | (0.0313) | (0.0271) | (0.0271) |
| NorCen | -0.1154\*\* | -0.1190\*\* | 0.1234\*\*\* | -0.1130\*\* | -0.1168\*\* |
|  | (0.0360) | (0.0362) | (0.0344) | (0.0357) | (0.0359) |
| South | -0.1197\*\*\* | -0.1184\*\*\* | 0.1346\*\*\* | -0.1180\*\*\* | -0.1166\*\*\* |
|  | (0.0326) | (0.0328) | (0.0312) | (0.0324) | (0.0325) |
| West | -0.1972\*\*\* | -0.1929\*\*\* | 0.2330\*\*\* | -0.1998\*\*\* | -0.1950\*\*\* |
|  | (0.0368) | (0.0370) | (0.0355) | (0.0365) | (0.0367) |
| URATE | 0.0736\*\*\* | 0.0691\*\*\* | -0.0785\*\*\* | 0.0753\*\*\* | 0.0706\*\*\* |
|  | (0.0054) | (0.0055) | (0.0066) | (0.0054) | (0.0054) |
| UNION | 0.0490 | 0.0131 | 0.0180 | -0.0087 | -0.0496 |
|  | (0.0534) | (0.0534) | (0.0663) | (0.0546) | (0.0548) |
| SearchCT | 0.0472\*\*\* | 0.0458\*\*\* | -0.0566\*\*\* | 0.0446\*\*\* | 0.0432\*\*\* |
|  | (0.0040) | (0.0040) | (0.0047) | (0.0040) | (0.0040) |
| Forced | 0.4636\*\*\* | 0.4478\*\*\* | -0.2450\* | 0.2467\*\* | 0.2278\*\* |
|  | (0.0809) | (0.0807) | (0.1038) | (0.0825) | (0.0823) |
| Ended | 0.4108\*\*\* | 0.4177\*\*\* | -0.2022\*\*\* | 0.2042\*\*\* | 0.2048\*\*\* |
|  | (0.0444) | (0.0444) | (0.0581) | (0.0474) | (0.0474) |
| Illness | 0.1187 | 0.1448 | 0.2224 | -0.1435 | -0.1287 |
|  | (0.2125) | (0.2150) | (0.2739) | (0.2109) | (0.2128) |
| Quit | 0.3093\*\*\* | 0.3086\*\*\* | -0.1273\* | 0.0936\* | 0.0916\* |
|  | (0.0436) | (0.0436) | (0.0566) | (0.0461) | (0.0461) |
| Log(scale) | -0.3270\*\*\* | -0.3318\*\*\* |  | -0.3336\*\*\* | -0.3385\*\*\* |
|  | (0.0067) | (0.0067) |  | (0.0067) | (0.0067) |
| (Intercept) | 1.6167\*\*\* | 1.5126\*\*\* |  | 1.7502\*\*\* | 1.6504\*\*\* |
|  | (0.0924) | (0.0936) |  | (0.2278) | (0.2272) |
| Industry FE | NO | NO | YES | YES | YES |
| Occupation FE | NO | NO | YES | YES | YES |
| AIC | 107644.9211 | 106140.5574 | 279300.5577 | 107505.6264 | 105994.7576 |
| BIC | 132135.5496 | 130375.5881 |  | 132088.7167 | 130300.9573 |
| Log Likelihood | -50639.1241 | -49914.4060 |  | -50557.4584 | -49832.2385 |
| Num. obs. | 16210 | 15984 | 16210 | 16210 | 15984 |

\*\*\* denotes significance at 0.1%, \*\* denotes significance at 1%, and \* denotes significance at 5%.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Table 2: Models of Unemployment Duration with only BMI Classifications** | | | | |
|  | (1) | (2) | (3) | (4) |
| Overweight | -0.1161\*\*\* | -0.1102\*\*\* | 0.1538\*\*\* | 0.1417\*\*\* |
|  | (0.0189) | (0.0228) | (0.0231) | (0.0281) |
| Obese | -0.2086\*\*\* | -0.1368\*\*\* | 0.2990\*\*\* | 0.2039\*\*\* |
|  | (0.0194) | (0.0233) | (0.0255) | (0.03) |
| Num. obs. | 16,210 | 11,218 | 16,210 | 11,218 |
| AIC | 281732 | 186757.70 | 280616.70 | 185932.90 |
| BIC | 281747.40 | 186772.40 | 293503.60 | 195019.60 |
| LogLik | -140864.00 | -93376.85 | -140925.50 | -93398.52 |
| Intercept SD |  |  | 0.4520 | 0.4704 |
| Significance Levels: ^=10%, \*=5%, \*\*=2.5%, \*\*\* 1%. Frailty modeled with Gaussian distribution and models estimated with *coxph* and *coxme* command in R. Standard errors in parathesis and intercept SD indicates the standard deviation of the mixed effect constant terms estimated according to frailty across individual respondent (ID). | | | | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Table 3: Models of Unemployment Duration with BMI Classifications and Controls** | | | | |
|  | (1) | (2) | (3) | (4) |
| Overweight | -0.0481 \* | -0.0457 \* | -0.0406 ^ | -0.0409 ^ |
|  | (0.0191) | (0.0228) | (0.0226) | (0.0226) |
| Obese | -0.1049 \*\*\* | -0.1049 \*\*\* | -0.1131 \*\*\* | -0.106 \*\*\* |
|  | (0.0203) | (0.0257) | (0.0254) | (0.0253) |
| Female | 0.0541 \*\* | 0.0541 \*\*\* | 0.0638 \*\* | 0.0672 \*\* |
|  | (0.0167) | (0.0219) | (0.0216) | (0.0221) |
| Age | -0.0672 \*\*\* | -0.0672 \*\*\* | -0.0409 \*\*\* | -0.0444 \*\*\* |
|  | (0.0037) | (0.0044) | (0.0049) | (0.0049) |
| Black | -0.1577 \*\*\* | -0.1577 \*\*\* | -0.181 \*\*\* | -0.1785 \*\*\* |
|  | (0.0211) | (0.0282) | (0.0279) | (0.0278) |
| Hispanic | -0.0128 | -0.0128 | -0.0233 | -0.0205 |
|  | (0.0231) | (0.0304) | (0.0299) | (0.0298) |
| Married | 0.0563 \* | 0.0563 ^ | 0.0499 | 0.0517 ^ |
|  | (0.0259) | (0.0309) | (0.0306) | (0.0306) |
| Separated | -0.0548 | -0.0548 | -0.0514 | -0.0389 |
|  | (0.0456) | (0.0547) | (0.0544) | (0.0544) |
| Child6 | -0.0025 | -0.0025 | -0.0044 | -0.0058 |
|  | (0.0112) | (0.0132) | (0.0132) | (0.0131) |
| FamIncome | 0.0094 \*\* | 0.0094 \*\* | 0.0116 \*\* | 0.0133 \*\*\* |
|  | (0.0033) | (0.0038) | (0.0038) | (0.0038) |
| HS | 0.0669 \*\* | 0.0669 \*\* | 0.0869 \*\* | 0.0984 \*\*\* |
|  | (0.0228) | (0.0285) | (0.0283) | (0.0282) |
| SomeCol | 0.1701 \*\*\* | 0.1701 \*\*\* | 0.2035 \*\*\* | 0.2135 \*\*\* |
|  | (0.0248) | (0.0314) | (0.0311) | (0.031) |
| CollegeGrad | 0.1136 \*\* | 0.1136 \* | 0.1151 \* | 0.1448 \*\* |
|  | (0.0383) | (0.0465) | (0.0461) | (0.0466) |
| CollegePlus | 0.0137 | 0.0137 | 0.0054 | 0.0011 |
|  | (0.0613) | (0.0726) | (0.0721) | (0.0729) |
| Score | 0.0036 \*\*\* | 0.0036 \*\*\* | 0.0045 \*\*\* | 0.0044 \*\*\* |
|  | (0.0004) | (0.0005) | (0.0005) | (0.0005) |
| Tenure | -0.0012 \*\*\* | -0.0012 \*\*\* | -0.0013 \*\*\* | 0.0002 |
|  | (0.0002) | (0.0002) | (0.0002) | (0.0002) |
| Experience | 0.0004 \*\*\* | 0.0004 | 0.0003 \*\* | 0.0004 \*\*\* |
|  | (0.0001) | (0.0001) | (0.0001) | (0.0001) |
| AvgHealth | -0.0256 | -0.0256 | -0.0086 | -0.0089 |
|  | (0.0181) | (0.0209) | (0.0207) | (0.0207) |
| PoorHealth | -0.0334 | -0.0334 | 0.0026 | 0.0035 |
|  | (0.0268) | (0.0315) | (0.0313) | (0.0312) |
| NorthCentral | -0.0604 \* | -0.0604 ^ | -0.099 \*\* | -0.1044 \*\* |
|  | (0.0251) | (0.0326) | (0.0324) | (0.0323) |
| NorthEast | -0.1224 \*\*\* | -0.1224 \*\*\* | -0.2209 \*\*\* | -0.2241 \*\*\* |
|  | (0.0274) | (0.0356) | (0.0356) | (0.0355) |
| South | -0.0254 | -0.0254 | -0.0888 \*\* | -0.0931 \*\* |
|  | (0.0227) | (0.0295) | (0.0295) | (0.0294) |
| UnempRate | - | - | -0.074 \*\*\* | -0.0762 \*\*\* |
|  | (0.0066) | (0.0066) |
| SearchCount | - | - | -0.0591 \*\*\* | -0.0564 \*\*\* |
|  | (0.0047) | (0.0047) |
| Forced | - | - | -0.4774 \*\*\* | -0.2479 \* |
|  | (0.101) | (0.1036) |
| Ended | - | - | -0.4172 \*\*\* | -0.204 \*\*\* |
|  | (0.0545) | (0.0582) |
| Illness | - | - | -0.043 | 0.2133 |
|  | (0.2734) | (0.2753) |
| Quit | - | - | -0.3432 \*\*\* | -0.123 \* |
|  | (0.0533) | (0.0565) |
| Union | - | - | - | 0.0197 |
|  | (0.0663) |
| Occupation | No | No | No | Yes |
| Industry | No | No | No | Yes |
| Num. obs. | 16,210 | 16,210 | 16,210 | 16,210 |
| AIC | 280525.50 | 279727.70 | 279379.30 | 279276.20 |
| BIC | 280694.70 | 291123.30 | 290285.70 | 290173.60 |
| LogLik | -140240.70 | -140925.50 | -140925.50 | -138221.70 |
| Intercept SD | - | 0.4011 | 0.3852 | 0.3776 |
| Significance Levels: ^=10%, \*=5%, \*\*=2.5%, \*\*\* 1%. Frailty modeled with Gaussian distribution and models estimated with *coxph* and *coxme* command in R. Standard errors in parathesis and intercept SD indicates the standard deviation of the mixed effect constant terms estimated according to frailty across individual respondent (ID). | | | | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Table 4: Models of Unemployment Duration by Sex with Racial Interactions** | | | | |
|  | Female | | Male | |
|  | w/o Interactions | w/ Interactions | w/o Interactions | w/ Interactions |
| Overweight | -0.0442 | -0.1241 \* | -0.0307 | -0.0466 |
| (0.0342) | (0.0526) | (0.0305) | (0.0432) |
| Obese | -0.1295 \*\*\* | -0.1964 \*\*\* | -0.0703 ^ | -0.0436 |
| (0.0352) | (0.054) | (0.0372) | (0.0547) |
| Age | -0.033 \*\*\* | -0.0337 \*\*\* | -0.0567 \*\*\* | -0.057 \*\*\* |
| (0.0071) | (0.0071) | (0.007) | (0.007) |
| Black | -0.2108 \*\*\* | -0.2858 \*\*\* | -0.1494 \*\*\* | -0.1574 \*\* |
| (0.0401) | (0.0525) | (0.0392) | (0.05) |
| Black X Overweight | - | 0.1647 \* | - | 0.0561 |
| (0.0763) | (0.0679) |
| Black X Obese | - | 0.1294 ^  (0.076) | - | -0.0429 |
| (0.082) |
| Hispanic | -0.0217  (0.0434) | -0.0678  (0.0572) | -0.0245 | -0.0071 |
| (0.0415) | (0.0599) |
| Hispanic X Overweight | - | 0.0988 | - | -0.0119 |
|  | (0.092) | (0.0818) |
| Hispanic X Obese | - | 0.1018  (0.0919) | - | -0.0548 |
|  | (0.0934) |
| Married | 0.0198  (0.0405) | 0.0205  (0.0404) | 0.072 | 0.0727 |
| (0.0483) | (0.0483) |
| Separated | -0.1194 ^ | -0.1102 | 0.0388 | 0.0369 |
| (0.0698) | (0.0697) | (0.0894) | (0.0894) |
| Child6 | -0.013 | -0.0112 | 0.0073 | 0.0073 |
| (0.0171) | (0.0171) | (0.0214) | (0.0214) |
| FamIncome | 0.0262 \*\*\* | 0.026 \*\*\* | 0.003 | 0.003 |
| (0.0059) | (0.0059) | (0.0049) | (0.0049) |
| HS | 0.0845 \* | 0.08 ^ | 0.1206 \*\* | 0.1199 \*\* |
| (0.0424) | (0.0424) | (0.0381) | (0.0381) |
| SomeCol | 0.1902 \*\*\* | 0.1862 \*\*\* | 0.2445 \*\*\* | 0.2433 \*\*\* |
| (0.0447) | (0.0447) | (0.0438) | (0.0438) |
| CollegeGrad | 0.1178 ^ | 0.1133 ^ | 0.1801 \*\* | 0.1809 \*\* |
| (0.0654) | (0.0654) | (0.068) | (0.068) |
| CollegePlus | -0.088 | -0.0999 | 0.1285 | 0.1303 |
| (0.0989) | (0.099) | (0.1101) | (0.1102) |
| Score | 0.0049 \*\*\* | 0.0049 \*\*\* | 0.0039 \*\*\* | 0.0039 \*\*\* |
| (0.0007) | (0.0007) | (0.0006) | (0.0006) |
| Tenure | 0.0004 | 0.0004 | 0.0001 | 0.0001 |
| (0.0003) | (0.0003) | (0.0003) | (0.0003) |
| Experience | 0.0002 | 0.0002 | 0.0006 \*\*\* | 0.0006 \*\*\* |
| (0.0002) | (0.0002) | (0.0001) | (0.0001) |
| AvgHealth | 0.002 | 0.0019 | -0.0128 | -0.0128 |
| (0.0292) | (0.0291) | (0.0297) | (0.0297) |
| PoorHealth | 0.0443 | 0.0424 | -0.0438 | -0.0435 |
| (0.043) | (0.043) | (0.046) | (0.046) |
| NorthCentral | -0.0489 | -0.0497 | -0.148 \*\*\* | -0.1477 \*\*\* |
| (0.0476) | (0.0475) | (0.0443) | (0.0443) |
| NorthEast | -0.1972 \*\*\* | -0.197 \*\*\* | -0.2408 \*\*\* | -0.2411 \*\*\* |
| (0.0521) | (0.052) | (0.0488) | (0.0488) |
| South | -0.0411 | -0.0416 | -0.132 \*\* | -0.1318 \*\* |
| (0.0426) | (0.0425) | (0.0412) | (0.0412) |
| UnempRate | -0.0736 \*\*\* | -0.0739 \*\*\* | -0.0806 \*\*\* | -0.0806 \*\*\* |
| (0.0096) | (0.0096) | (0.0091) | (0.0091) |
| SearchCount | -0.0627 \*\*\* | -0.0629 \*\*\* | -0.0505 \*\*\* | -0.0504 \*\*\* |
| (0.0069) | (0.0069) | (0.0065) | (0.0065) |
| Forced | 0.009 | 0.0194 | -0.4354 \*\* | -0.4284 \*\* |
| (0.1478) | (0.1478) | (0.1465) | (0.1465) |
| Ended | -0.1815 ^ | -0.1775 ^ | -0.2343 \*\* | -0.2331 \*\* |
| (0.0945) | (0.0944) | (0.0747) | (0.0747) |
| Illness | 0.1652 | 0.1571 | 0.1614 | 0.1602 |
| (0.3999) | (0.3998) | (0.3875) | (0.3872) |
| Quit | -0.1448 ^ | -0.1412 ^ | -0.1135 | -0.1126 |
| (0.0855) | (0.0854) | (0.0765) | (0.0765) |
| Union | 0.0574 | 0.0563 | -0.0025 | -0.003 |
| (0.112) | (0.112) | (0.0829) | (0.0829) |
| Num. obs. | 7,902 | 7,902 | 8,308 | 8,308 |
| AIC | 124792.20 | 124796.10 | 132073.70 | 132078.90 |
| BIC | 129835.60 | 129823.80 | 137389.70 | 137405.90 |
| LogLik | -61673.00 | -61677.25 | -65280.12 | -65281.18 |
| Intercept SD | 0.3805 | 0.3781 | 0.3780 | 0.3774 |
| Significance Levels: ^=10%, \*=5%, \*\*=2.5%, \*\*\* 1%. Frailty modeled with Gaussian distribution and models estimated with *coxph* and *coxme* command in R. Standard errors in parathesis and intercept SD indicates the standard deviation of the mixed effect constant terms estimated according to frailty across individual respondent (ID). Industry and occupation fixed effects used in all estimations. | | | | |