|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Table 3: F15-1 Sad\_4scale** | | | | | | | | | | |
| Sample | All Twins | | |  | MZ Twins | | | | | |
| Model | OLS | OLS | OLS |  | OLS | OLS | OLS | FE | FE | FE |
|  | (1) | (2) | (3) |  | (4) | (5) | (6) | (7) | (8) | (9) |
| Smoke | -0.0193 | -0.0248\* | -0.0251\* |  | -0.0230 | -0.0235 | -0.0243 | 0.0686\*\* | 0.0757\*\* | 0.0755\*\* |
|  | (0.0149) | (0.0147) | (0.0146) |  | (0.0206) | (0.0200) | (0.0199) | (0.0318) | (0.0310) | (0.0312) |
| Age/10 | -0.0541 | -0.335\*\* | -0.328\*\* |  | -0.127 | -0.459\*\* | -0.440\*\* |  |  |  |
|  | (0.128) | (0.144) | (0.144) |  | (0.178) | (0.204) | (0.204) |  |  |  |
| Age2/100 | 0.0173 | 0.0493\*\*\* | 0.0489\*\*\* |  | 0.0324 | 0.0691\*\*\* | 0.0677\*\*\* |  |  |  |
|  | (0.0172) | (0.0185) | (0.0185) |  | (0.0237) | (0.0258) | (0.0257) |  |  |  |
| Male | 0.179\*\*\* | 0.173\*\*\* | 0.172\*\*\* |  | 0.211\*\*\* | 0.195\*\*\* | 0.193\*\*\* |  |  |  |
|  | (0.0447) | (0.0446) | (0.0445) |  | (0.0621) | (0.0625) | (0.0622) |  |  |  |
| Birth Weight | 0.0100 | -0.00347 | -0.00345 |  | -0.0166 | -0.0316 | -0.0308 | -0.0569 | -0.0425 | -0.0430 |
|  | (0.0285) | (0.0278) | (0.0278) |  | (0.0393) | (0.0378) | (0.0378) | (0.0723) | (0.0723) | (0.0718) |
| Early Disease | -0.197 | -0.139 | -0.138 |  | -0.0384 | -0.0124 | -0.0136 | -0.130 | -0.154 | -0.146 |
|  | (0.145) | (0.140) | (0.140) |  | (0.219) | (0.217) | (0.217) | (0.222) | (0.225) | (0.223) |
| Log(Income) |  | 0.0601\*\* | 0.0557\*\* |  |  | 0.0737\* | 0.0670\* |  | 0.00476 | 0.0115 |
|  |  | (0.0256) | (0.0261) |  |  | (0.0383) | (0.0389) |  | (0.0573) | (0.0583) |
| Married |  | 0.252\*\*\* | 0.251\*\*\* |  |  | 0.289\*\*\* | 0.284\*\*\* |  | 0.208\*\* | 0.214\*\* |
|  |  | (0.0477) | (0.0478) |  |  | (0.0722) | (0.0720) |  | (0.0885) | (0.0886) |
| Health |  | 0.130\*\*\* | 0.130\*\*\* |  |  | 0.116\*\*\* | 0.115\*\*\* |  | 0.0720 | 0.0726 |
|  |  | (0.0235) | (0.0235) |  |  | (0.0324) | (0.0323) |  | (0.0452) | (0.0452) |
| Working overtime |  |  | 0.0405 |  |  |  | 0.0690 |  |  | -0.0586 |
|  |  |  | (0.0350) |  |  |  | (0.0496) |  |  | (0.0702) |
| Twin pairs |  |  |  |  | 660 | 660 | 660 | 660 | 660 | 660 |
| Observations | 2,635 | 2,635 | 2,635 |  | 1,320 | 1,320 | 1,320 | 660 | 660 | 660 |
| R-squared | 0.016 | 0.049 | 0.049 |  | 0.032 | 0.065 | 0.066 | 0.008 | 0.020 | 0.021 |
|  | | | | | | | | | | |

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Table 3: F15-2 Scared\_4scale** | | | | | | | | | | |
| Sample | All Twins | | |  | MZ Twins | | | | | |
| Model | OLS | OLS | OLS |  | OLS | OLS | OLS | FE | FE | FE |
|  | (1) | (2) | (3) |  | (4) | (5) | (6) | (7) | (8) | (9) |
| Smoke | 0.00851 | 0.00731 | 0.00715 |  | -0.00563 | -0.00532 | -0.00542 | 0.0161 | 0.0193 | 0.0184 |
|  | (0.0136) | (0.0135) | (0.0135) |  | (0.0197) | (0.0195) | (0.0196) | (0.0268) | (0.0267) | (0.0274) |
| Age/10 | 0.206 | 0.176 | 0.179 |  | 0.152 | 0.0961 | 0.0981 |  |  |  |
|  | (0.126) | (0.137) | (0.137) |  | (0.181) | (0.195) | (0.197) |  |  |  |
| Age2/100 | -0.0141 | -0.00965 | -0.00984 |  | -0.000719 | 0.00619 | 0.00603 |  |  |  |
|  | (0.0167) | (0.0176) | (0.0176) |  | (0.0238) | (0.0250) | (0.0251) |  |  |  |
| Male | 0.0244 | 0.0178 | 0.0170 |  | 0.0714 | 0.0668 | 0.0665 |  |  |  |
|  | (0.0427) | (0.0429) | (0.0428) |  | (0.0613) | (0.0624) | (0.0623) |  |  |  |
| Birth Weight | 0.00285 | -0.00306 | -0.00305 |  | -0.00271 | -0.00958 | -0.00950 | -0.0919 | -0.0924 | -0.0941 |
|  | (0.0285) | (0.0282) | (0.0282) |  | (0.0402) | (0.0398) | (0.0399) | (0.0653) | (0.0651) | (0.0641) |
| Early Disease | -0.217\* | -0.190 | -0.189 |  | 0.0142 | 0.0246 | 0.0244 | 0.145 | 0.151 | 0.177 |
|  | (0.125) | (0.125) | (0.125) |  | (0.180) | (0.175) | (0.176) | (0.282) | (0.279) | (0.261) |
| Log(Income) |  | -0.000967 | -0.00317 |  |  | -0.00776 | -0.00849 |  | 0.00811 | 0.0297 |
|  |  | (0.0236) | (0.0239) |  |  | (0.0337) | (0.0339) |  | (0.0445) | (0.0449) |
| Married |  | 0.0517 | 0.0511 |  |  | 0.0706 | 0.0701 |  | 0.0556 | 0.0754 |
|  |  | (0.0438) | (0.0438) |  |  | (0.0612) | (0.0614) |  | (0.0622) | (0.0608) |
| Health |  | 0.0840\*\*\* | 0.0839\*\*\* |  |  | 0.0826\*\*\* | 0.0825\*\*\* |  | 0.0577 | 0.0595 |
|  |  | (0.0218) | (0.0218) |  |  | (0.0301) | (0.0302) |  | (0.0373) | (0.0374) |
| Working overtime |  |  | 0.0200 |  |  |  | 0.00754 |  |  | -0.187\*\*\* |
|  |  |  | (0.0334) |  |  |  | (0.0489) |  |  | (0.0593) |
| Twin pairs |  |  |  |  | 660 | 660 | 660 | 660 | 660 | 660 |
| Observations | 2,635 | 2,635 | 2,635 |  | 1,320 | 1,320 | 1,320 | 660 | 660 | 660 |
| R-squared | 0.021 | 0.029 | 0.029 |  | 0.036 | 0.044 | 0.044 | 0.004 | 0.008 | 0.022 |

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Table 3: F15-3 Happiness\_4scale** | | | | | | | | | | |
| Sample | All Twins | | |  | MZ Twins | | | | | |
| Model | OLS | OLS | OLS |  | OLS | OLS | OLS | FE | FE | FE |
|  | (1) | (2) | (3) |  | (4) | (5) | (6) | (7) | (8) | (9) |
| Smoke | 0.00507 | 0.000456 | 0.000823 |  | 0.0121 | 0.0133 | 0.0141 | -0.0290 | -0.0234 | -0.0237 |
|  | (0.0134) | (0.0131) | (0.0131) |  | (0.0172) | (0.0169) | (0.0169) | (0.0316) | (0.0315) | (0.0314) |
| Age/10 | -0.127 | -0.295\*\* | -0.303\*\* |  | -0.201 | -0.287\* | -0.305\* |  |  |  |
|  | (0.116) | (0.126) | (0.126) |  | (0.156) | (0.174) | (0.174) |  |  |  |
| Age2/100 | 0.0114 | 0.0316\* | 0.0321\* |  | 0.0235 | 0.0344 | 0.0359 |  |  |  |
|  | (0.0157) | (0.0164) | (0.0165) |  | (0.0210) | (0.0224) | (0.0224) |  |  |  |
| Male | -0.117\*\*\* | -0.139\*\*\* | -0.138\*\*\* |  | -0.120\*\* | -0.164\*\*\* | -0.161\*\*\* |  |  |  |
|  | (0.0408) | (0.0406) | (0.0406) |  | (0.0540) | (0.0541) | (0.0542) |  |  |  |
| Birth Weight | 0.00119 | -0.0164 | -0.0164 |  | 0.0358 | 0.0160 | 0.0153 | 0.00855 | -0.00885 | -0.00939 |
|  | (0.0265) | (0.0257) | (0.0257) |  | (0.0359) | (0.0333) | (0.0333) | (0.0708) | (0.0668) | (0.0665) |
| Early Disease | 0.0677 | 0.146 | 0.145 |  | 0.166 | 0.231 | 0.232 | 0.000737 | 0.0390 | 0.0472 |
|  | (0.101) | (0.0936) | (0.0939) |  | (0.141) | (0.141) | (0.141) | (0.233) | (0.241) | (0.241) |
| Log(Income) |  | 0.118\*\*\* | 0.123\*\*\* |  |  | 0.122\*\*\* | 0.129\*\*\* |  | 0.0932\* | 0.1000\*\* |
|  |  | (0.0211) | (0.0215) |  |  | (0.0286) | (0.0290) |  | (0.0475) | (0.0473) |
| Married |  | 0.144\*\*\* | 0.146\*\*\* |  |  | 0.0834 | 0.0880 |  | 0.0924 | 0.0986 |
|  |  | (0.0418) | (0.0418) |  |  | (0.0610) | (0.0609) |  | (0.0716) | (0.0723) |
| Health |  | 0.112\*\*\* | 0.112\*\*\* |  |  | 0.114\*\*\* | 0.116\*\*\* |  | 0.135\*\*\* | 0.136\*\*\* |
|  |  | (0.0200) | (0.0200) |  |  | (0.0272) | (0.0272) |  | (0.0376) | (0.0375) |
| Working overtime |  |  | -0.0481 |  |  |  | -0.0696\* |  |  | -0.0584 |
|  |  |  | (0.0307) |  |  |  | (0.0420) |  |  | (0.0554) |
| Twin pairs |  |  |  |  | 660 | 660 | 660 | 660 | 660 | 660 |
| Observations | 2,635 | 2,635 | 2,635 |  | 1,320 | 1,320 | 1,320 | 660 | 660 | 660 |
| R-squared | 0.015 | 0.051 | 0.052 |  | 0.018 | 0.056 | 0.058 | 0.002 | 0.030 | 0.032 |
|  | | | | | | | | | | |

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Table 3: F15-4 Angry\_4scale** | | | | | | | | | | |
| Sample | All Twins | | |  | MZ Twins | | | | | |
| Model | OLS | OLS | OLS |  | OLS | OLS | OLS | FE | FE | FE |
|  | (1) | (2) | (3) |  | (4) | (5) | (6) | (7) | (8) | (9) |
| Smoke | -0.0370\*\*\* | -0.0375\*\*\* | -0.0377\*\*\* |  | -0.0639\*\*\* | -0.0632\*\*\* | -0.0631\*\*\* | -0.0600\* | -0.0552\* | -0.0553\* |
|  | (0.0140) | (0.0140) | (0.0140) |  | (0.0196) | (0.0197) | (0.0197) | (0.0308) | (0.0304) | (0.0305) |
| Age/10 | -0.0726 | -0.0545 | -0.0502 |  | -0.165 | -0.189 | -0.191 |  |  |  |
|  | (0.130) | (0.144) | (0.144) |  | (0.188) | (0.207) | (0.208) |  |  |  |
| Age2/100 | 0.0191 | 0.0185 | 0.0182 |  | 0.0317 | 0.0356 | 0.0358 |  |  |  |
|  | (0.0178) | (0.0189) | (0.0189) |  | (0.0256) | (0.0271) | (0.0272) |  |  |  |
| Male | -0.0126 | -0.0211 | -0.0221 |  | 0.0300 | 0.0169 | 0.0171 |  |  |  |
|  | (0.0424) | (0.0426) | (0.0426) |  | (0.0598) | (0.0609) | (0.0609) |  |  |  |
| Birth Weight | 0.0117 | 0.00605 | 0.00606 |  | -0.0558 | -0.0665\* | -0.0665\* | -0.212\*\* | -0.216\*\* | -0.216\*\* |
|  | (0.0299) | (0.0294) | (0.0294) |  | (0.0405) | (0.0387) | (0.0387) | (0.103) | (0.104) | (0.104) |
| Early Disease | -0.0796 | -0.0518 | -0.0515 |  | 0.209 | 0.233 | 0.233 | 0.367 | 0.390\* | 0.394\* |
|  | (0.140) | (0.139) | (0.138) |  | (0.193) | (0.186) | (0.186) | (0.225) | (0.213) | (0.215) |
| Log(Income) |  | -0.0137 | -0.0165 |  |  | 0.00191 | 0.00256 |  | -0.0212 | -0.0182 |
|  |  | (0.0230) | (0.0233) |  |  | (0.0331) | (0.0337) |  | (0.0510) | (0.0517) |
| Married |  | 0.0190 | 0.0183 |  |  | 0.0525 | 0.0530 |  | 0.0234 | 0.0262 |
|  |  | (0.0433) | (0.0433) |  |  | (0.0618) | (0.0616) |  | (0.0745) | (0.0750) |
| Health |  | 0.0926\*\*\* | 0.0925\*\*\* |  |  | 0.114\*\*\* | 0.114\*\*\* |  | 0.119\*\*\* | 0.119\*\*\* |
|  |  | (0.0225) | (0.0225) |  |  | (0.0329) | (0.0329) |  | (0.0447) | (0.0448) |
| Working overtime |  |  | 0.0253 |  |  |  | -0.00675 |  |  | -0.0265 |
|  |  |  | (0.0333) |  |  |  | (0.0472) |  |  | (0.0625) |
| Twin pairs |  |  |  |  | 660 | 660 | 660 | 660 | 660 | 660 |
| Observations | 2,635 | 2,635 | 2,635 |  | 1,320 | 1,320 | 1,320 | 660 | 660 | 660 |
| R-squared | 0.020 | 0.029 | 0.029 |  | 0.036 | 0.049 | 0.049 | 0.021 | 0.034 | 0.034 |
|  | | | | | | | | | | |

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Table 3: F15-5 Hateful\_4scale** | | | | | | | | | | | |
| Sample | All Twins | | | |  | MZ Twins | | | | | |
| Model | OLS | OLS | OLS | |  | OLS | OLS | OLS | FE | FE | FE |
|  | (1) | (2) | | (3) |  | (4) | (5) | (6) | (7) | (8) | (9) |
| Smoke | 0.00270 | -0.000281 | | -0.000566 |  | -0.00120 | -0.00108 | -0.00114 | -0.0232 | -0.0149 | -0.0149 |
|  | (0.0147) | (0.0147) | | (0.0146) |  | (0.0209) | (0.0207) | (0.0207) | (0.0348) | (0.0345) | (0.0345) |
| Age/10 | 0.0422 | -0.0994 | | -0.0931 |  | -0.123 | -0.297 | -0.296 |  |  |  |
|  | (0.127) | (0.142) | | (0.141) |  | (0.177) | (0.202) | (0.202) |  |  |  |
| Age2/100 | 0.00969 | 0.0265 | | 0.0262 |  | 0.0322 | 0.0525\*\* | 0.0524\*\* |  |  |  |
|  | (0.0171) | (0.0184) | | (0.0183) |  | (0.0235) | (0.0258) | (0.0258) |  |  |  |
| Male | -0.0920\*\* | -0.0939\*\* | | -0.0954\*\* |  | -0.0904 | -0.0930 | -0.0932 |  |  |  |
|  | (0.0440) | (0.0442) | | (0.0442) |  | (0.0628) | (0.0635) | (0.0635) |  |  |  |
| Birth Weight | 0.00255 | -0.00565 | | -0.00563 |  | -0.0230 | -0.0347 | -0.0346 | -0.0302 | -0.0239 | -0.0239 |
|  | (0.0299) | (0.0295) | | (0.0296) |  | (0.0421) | (0.0418) | (0.0417) | (0.0680) | (0.0699) | (0.0700) |
| Early Disease | -0.139 | -0.102 | | -0.102 |  | 0.185 | 0.196 | 0.196 | 0.272 | 0.270 | 0.270 |
|  | (0.150) | (0.145) | | (0.144) |  | (0.206) | (0.200) | (0.200) | (0.290) | (0.279) | (0.278) |
| Log(Income) |  | -0.00906 | | -0.0132 |  |  | -0.0190 | -0.0194 |  | 0.0141 | 0.0141 |
|  |  | (0.0234) | | (0.0237) |  |  | (0.0339) | (0.0343) |  | (0.0550) | (0.0557) |
| Married |  | 0.157\*\*\* | | 0.156\*\*\* |  |  | 0.188\*\*\* | 0.187\*\*\* |  | 0.184\*\* | 0.184\*\* |
|  |  | (0.0462) | | (0.0461) |  |  | (0.0707) | (0.0708) |  | (0.0862) | (0.0861) |
| Health |  | 0.131\*\*\* | | 0.131\*\*\* |  |  | 0.149\*\*\* | 0.149\*\*\* |  | 0.124\*\*\* | 0.124\*\*\* |
|  |  | (0.0224) | | (0.0223) |  |  | (0.0312) | (0.0311) |  | (0.0477) | (0.0476) |
| Working overtime |  |  | | 0.0373 |  |  |  | 0.00503 |  |  | 0.000498 |
|  |  |  | | (0.0350) |  |  |  | (0.0507) |  |  | (0.0642) |
| Twin pairs |  |  | |  |  | 660 | 660 | 660 | 660 | 660 | 660 |
| Observations | 2,635 | 2,635 | | 2,635 |  | 1,320 | 1,320 | 1,320 | 660 | 660 | 660 |
| R-squared | 0.028 | 0.048 | | 0.048 |  | 0.034 | 0.060 | 0.060 | 0.003 | 0.022 | 0.022 |
|  | | | | | | | | | | | |

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Table 3: F16-1 Sad\_hide\_4scale** | | | | | | | | | | |
| Sample | All Twins | | |  | MZ Twins | | | | | |
| Model | OLS | OLS | OLS |  | OLS | OLS | OLS | FE | FE | FE |
|  | (1) | (2) | (3) |  | (4) | (5) | (6) | (7) | (8) | (9) |
| Smoke | -0.0196 | -0.0174 | -0.0171 |  | -0.0299 | -0.0313 | -0.0304 | -0.0852\* | -0.0854\* | -0.0853\* |
|  | (0.0193) | (0.0191) | (0.0191) |  | (0.0279) | (0.0278) | (0.0278) | (0.0452) | (0.0452) | (0.0452) |
| Age/10 | -0.491\*\*\* | -0.434\*\* | -0.439\*\* |  | -0.585\*\* | -0.636\*\* | -0.655\*\* |  |  |  |
|  | (0.168) | (0.182) | (0.182) |  | (0.243) | (0.261) | (0.262) |  |  |  |
| Age2/100 | 0.0592\*\*\* | 0.0515\*\* | 0.0518\*\* |  | 0.0678\*\* | 0.0718\*\* | 0.0733\*\* |  |  |  |
|  | (0.0225) | (0.0235) | (0.0235) |  | (0.0320) | (0.0333) | (0.0334) |  |  |  |
| Male | 0.00513 | 0.0201 | 0.0213 |  | 0.147\* | 0.182\*\* | 0.185\*\* |  |  |  |
|  | (0.0579) | (0.0582) | (0.0582) |  | (0.0836) | (0.0851) | (0.0849) |  |  |  |
| Birth Weight | -0.0390 | -0.0282 | -0.0282 |  | -0.0462 | -0.0320 | -0.0327 | -0.175\* | -0.167\* | -0.166\* |
|  | (0.0400) | (0.0398) | (0.0398) |  | (0.0546) | (0.0543) | (0.0542) | (0.0923) | (0.0907) | (0.0908) |
| Early Disease | -0.0277 | -0.0751 | -0.0755 |  | 0.00774 | -0.0441 | -0.0428 | -0.0365 | -0.0499 | -0.0522 |
|  | (0.188) | (0.191) | (0.191) |  | (0.285) | (0.289) | (0.287) | (0.336) | (0.342) | (0.342) |
| Log(Income) |  | -0.0524 | -0.0490 |  |  | -0.0744 | -0.0674 |  | -0.0485 | -0.0504 |
|  |  | (0.0322) | (0.0329) |  |  | (0.0461) | (0.0471) |  | (0.0721) | (0.0738) |
| Married |  | -0.0622 | -0.0613 |  |  | 0.0267 | 0.0316 |  | -0.00956 | -0.0113 |
|  |  | (0.0569) | (0.0570) |  |  | (0.0839) | (0.0840) |  | (0.103) | (0.104) |
| Health |  | -0.0847\*\*\* | -0.0845\*\*\* |  |  | -0.0875\*\* | -0.0862\*\* |  | -0.0167 | -0.0169 |
|  |  | (0.0305) | (0.0305) |  |  | (0.0435) | (0.0434) |  | (0.0659) | (0.0660) |
| Working overtime |  |  | -0.0302 |  |  |  | -0.0729 |  |  | 0.0163 |
|  |  |  | (0.0462) |  |  |  | (0.0683) |  |  | (0.0927) |
| Twin pairs |  |  |  |  | 660 | 660 | 660 | 660 | 660 | 660 |
| Observations | 2,635 | 2,635 | 2,635 |  | 1,320 | 1,320 | 1,320 | 660 | 660 | 660 |
| R-squared | 0.018 | 0.024 | 0.024 |  | 0.031 | 0.039 | 0.040 | 0.010 | 0.011 | 0.011 |
|  | | | | | | | | | | |

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Table 3: F16-2 Scared\_hide\_4scale** | | | | | | | | | | |
| Sample | All Twins | | |  | MZ Twins | | | | | |
| Model | OLS | OLS | OLS |  | OLS | OLS | OLS | FE | FE | FE |
|  | (1) | (2) | (3) |  | (4) | (5) | (6) | (7) | (8) | (9) |
| Smoke | 0.00671 | 0.00728 | 0.00762 |  | -0.000487 | -0.00146 | 6.35e-05 | -0.0327 | -0.0299 | -0.0301 |
|  | (0.0208) | (0.0207) | (0.0207) |  | (0.0294) | (0.0294) | (0.0293) | (0.0478) | (0.0485) | (0.0484) |
| Age/10 | -0.223 | -0.280 | -0.289 |  | -0.581\*\* | -0.670\*\* | -0.703\*\* |  |  |  |
|  | (0.188) | (0.203) | (0.204) |  | (0.276) | (0.300) | (0.301) |  |  |  |
| Age2/100 | 0.0181 | 0.0231 | 0.0236 |  | 0.0589 | 0.0678\* | 0.0705\* |  |  |  |
|  | (0.0249) | (0.0261) | (0.0261) |  | (0.0359) | (0.0379) | (0.0379) |  |  |  |
| Male | -0.206\*\*\* | -0.184\*\*\* | -0.182\*\*\* |  | -0.108 | -0.0821 | -0.0772 |  |  |  |
|  | (0.0652) | (0.0659) | (0.0659) |  | (0.0929) | (0.0948) | (0.0944) |  |  |  |
| Birth Weight | -0.0631 | -0.0538 | -0.0539 |  | -0.0497 | -0.0428 | -0.0441 | -0.167\* | -0.158 | -0.158 |
|  | (0.0438) | (0.0436) | (0.0436) |  | (0.0612) | (0.0611) | (0.0607) | (0.101) | (0.0997) | (0.1000) |
| Early Disease | 0.132 | 0.0912 | 0.0910 |  | 0.112 | 0.0765 | 0.0787 | 0.292 | 0.280 | 0.288 |
|  | (0.207) | (0.208) | (0.209) |  | (0.312) | (0.311) | (0.308) | (0.187) | (0.191) | (0.191) |
| Log(Income) |  | -0.0615\* | -0.0564 |  |  | -0.0628 | -0.0508 |  | -0.0359 | -0.0294 |
|  |  | (0.0345) | (0.0350) |  |  | (0.0481) | (0.0486) |  | (0.0713) | (0.0732) |
| Married |  | 0.0451 | 0.0466 |  |  | 0.0764 | 0.0846 |  | 0.0579 | 0.0639 |
|  |  | (0.0626) | (0.0628) |  |  | (0.0925) | (0.0938) |  | (0.0962) | (0.0975) |
| Health |  | -0.0455 | -0.0452 |  |  | -0.0171 | -0.0148 |  | 0.0302 | 0.0307 |
|  |  | (0.0333) | (0.0332) |  |  | (0.0472) | (0.0471) |  | (0.0662) | (0.0660) |
| Working overtime |  |  | -0.0473 |  |  |  | -0.124\* |  |  | -0.0562 |
|  |  |  | (0.0515) |  |  |  | (0.0743) |  |  | (0.0860) |
| Twin pairs |  |  |  |  | 660 | 660 | 660 | 660 | 660 | 660 |
| Observations | 2,635 | 2,635 | 2,635 |  | 1,320 | 1,320 | 1,320 | 660 | 660 | 660 |
| R-squared | 0.017 | 0.020 | 0.021 |  | 0.026 | 0.028 | 0.031 | 0.006 | 0.008 | 0.008 |
|  | | | | | | | | | | |

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Table 3: F16-3 Happiness\_hide\_4scale** | | | | | | | | | | |
| Sample | All Twins | | |  | MZ Twins | | | | | |
| Model | OLS | OLS | OLS |  | OLS | OLS | OLS | FE | FE | FE |
|  | (1) | (2) | (3) |  | (4) | (5) | (6) | (7) | (8) | (9) |
| Smoke | 0.0133 | 0.0137 | 0.0135 |  | 0.00344 | 0.00403 | 0.00379 | -0.0186 | -0.0212 | -0.0209 |
|  | (0.0200) | (0.0200) | (0.0200) |  | (0.0292) | (0.0292) | (0.0291) | (0.0407) | (0.0405) | (0.0406) |
| Age/10 | -0.324\* | -0.246 | -0.241 |  | -0.158 | -0.0974 | -0.0922 |  |  |  |
|  | (0.186) | (0.203) | (0.203) |  | (0.275) | (0.300) | (0.303) |  |  |  |
| Age2/100 | 0.0329 | 0.0248 | 0.0245 |  | 0.0121 | 0.00561 | 0.00519 |  |  |  |
|  | (0.0247) | (0.0261) | (0.0262) |  | (0.0365) | (0.0386) | (0.0388) |  |  |  |
| Male | -0.0861 | -0.104\* | -0.105\* |  | -0.112 | -0.137 | -0.138 |  |  |  |
|  | (0.0614) | (0.0619) | (0.0619) |  | (0.0876) | (0.0897) | (0.0897) |  |  |  |
| Birth Weight | -0.0891\*\* | -0.0944\*\* | -0.0944\*\* |  | -0.142\*\* | -0.146\*\*\* | -0.146\*\*\* | -0.125 | -0.151 | -0.151 |
|  | (0.0410) | (0.0409) | (0.0409) |  | (0.0562) | (0.0559) | (0.0560) | (0.110) | (0.108) | (0.108) |
| Early Disease | -0.0102 | 0.0140 | 0.0144 |  | 0.110 | 0.142 | 0.142 | -0.315 | -0.266 | -0.274 |
|  | (0.204) | (0.203) | (0.203) |  | (0.320) | (0.316) | (0.315) | (0.454) | (0.449) | (0.445) |
| Log(Income) |  | 0.0778\*\* | 0.0744\*\* |  |  | 0.0882\* | 0.0863\* |  | 0.0748 | 0.0683 |
|  |  | (0.0331) | (0.0337) |  |  | (0.0489) | (0.0497) |  | (0.0700) | (0.0708) |
| Married |  | -0.0868 | -0.0877 |  |  | -0.0724 | -0.0737 |  | -0.112 | -0.118 |
|  |  | (0.0618) | (0.0618) |  |  | (0.0934) | (0.0938) |  | (0.115) | (0.115) |
| Health |  | -0.0252 | -0.0254 |  |  | -0.0306 | -0.0310 |  | 0.0270 | 0.0265 |
|  |  | (0.0309) | (0.0309) |  |  | (0.0442) | (0.0442) |  | (0.0625) | (0.0627) |
| Working overtime |  |  | 0.0315 |  |  |  | 0.0195 |  |  | 0.0556 |
|  |  |  | (0.0498) |  |  |  | (0.0746) |  |  | (0.0986) |
| Twin pairs |  |  |  |  | 660 | 660 | 660 | 660 | 660 | 660 |
| Observations | 2,635 | 2,635 | 2,635 |  | 1,320 | 1,320 | 1,320 | 660 | 660 | 660 |
| R-squared | 0.029 | 0.033 | 0.033 |  | 0.032 | 0.036 | 0.036 | 0.004 | 0.008 | 0.009 |
|  | | | | | | | | | | |

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Table 3: F16-4 Angry\_hide\_4scale** | | | | | | | | | | |
| Sample | All Twins | | |  | MZ Twins | | | | | |
| Model | OLS | OLS | OLS |  | OLS | OLS | OLS | FE | FE | FE |
|  | (1) | (2) | (3) |  | (4) | (5) | (6) | (7) | (8) | (9) |
| Smoke | -0.0137 | -0.0136 | -0.0135 |  | -0.0139 | -0.0148 | -0.0136 | -0.0599 | -0.0574 | -0.0567 |
|  | (0.0185) | (0.0185) | (0.0185) |  | (0.0270) | (0.0271) | (0.0270) | (0.0437) | (0.0441) | (0.0439) |
| Age/10 | -0.211 | -0.248 | -0.252 |  | -0.371 | -0.438 | -0.464\* |  |  |  |
|  | (0.171) | (0.187) | (0.187) |  | (0.251) | (0.271) | (0.271) |  |  |  |
| Age2/100 | 0.0205 | 0.0234 | 0.0236 |  | 0.0402 | 0.0464 | 0.0485 |  |  |  |
|  | (0.0230) | (0.0243) | (0.0243) |  | (0.0335) | (0.0352) | (0.0352) |  |  |  |
| Male | -0.0969\* | -0.0886 | -0.0878 |  | -0.0732 | -0.0599 | -0.0561 |  |  |  |
|  | (0.0566) | (0.0573) | (0.0573) |  | (0.0825) | (0.0848) | (0.0846) |  |  |  |
| Birth Weight | -0.0165 | -0.0119 | -0.0119 |  | -0.0319 | -0.0254 | -0.0264 | -0.0995 | -0.0895 | -0.0882 |
|  | (0.0403) | (0.0405) | (0.0405) |  | (0.0570) | (0.0571) | (0.0568) | (0.0863) | (0.0855) | (0.0850) |
| Early Disease | 0.0456 | 0.0235 | 0.0233 |  | 0.135 | 0.114 | 0.116 | -0.182 | -0.197 | -0.217 |
|  | (0.182) | (0.184) | (0.184) |  | (0.281) | (0.281) | (0.282) | (0.409) | (0.407) | (0.405) |
| Log(Income) |  | 0.0151 | 0.0176 |  |  | -0.00662 | 0.00279 |  | -0.0291 | -0.0455 |
|  |  | (0.0320) | (0.0326) |  |  | (0.0477) | (0.0487) |  | (0.0666) | (0.0664) |
| Married |  | 0.00133 | 0.00199 |  |  | 0.0367 | 0.0432 |  | 0.0662 | 0.0511 |
|  |  | (0.0557) | (0.0558) |  |  | (0.0801) | (0.0806) |  | (0.104) | (0.103) |
| Health |  | -0.0767\*\* | -0.0765\*\* |  |  | -0.0609 | -0.0591 |  | 0.0197 | 0.0183 |
|  |  | (0.0299) | (0.0299) |  |  | (0.0439) | (0.0438) |  | (0.0632) | (0.0636) |
| Working overtime |  |  | -0.0221 |  |  |  | -0.0972 |  |  | 0.142 |
|  |  |  | (0.0459) |  |  |  | (0.0667) |  |  | (0.0883) |
| Twin pairs |  |  |  |  | 660 | 660 | 660 | 660 | 660 | 660 |
| Observations | 2,635 | 2,635 | 2,635 |  | 1,320 | 1,320 | 1,320 | 660 | 660 | 660 |
| R-squared | 0.018 | 0.021 | 0.021 |  | 0.023 | 0.025 | 0.027 | 0.005 | 0.006 | 0.010 |
|  | | | | | | | | | | |

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Table 3: F16-5 Hateful\_hide\_4scale** | | | | | | | | | | |
| Sample | All Twins | | |  | MZ Twins | | | | | |
| Model | OLS | OLS | OLS |  | OLS | OLS | OLS | FE | FE | FE |
|  | (1) | (2) | (3) |  | (4) | (5) | (6) | (7) | (8) | (9) |
| Smoke | -0.00183 | -0.00137 | -0.000736 |  | 0.00190 | 0.00186 | 0.00407 | -0.0316 | -0.0280 | -0.0280 |
|  | (0.0188) | (0.0188) | (0.0187) |  | (0.0273) | (0.0273) | (0.0271) | (0.0436) | (0.0442) | (0.0442) |
| Age/10 | -0.313\* | -0.328\* | -0.342\* |  | -0.537\*\* | -0.535\* | -0.584\*\* |  |  |  |
|  | (0.180) | (0.197) | (0.197) |  | (0.260) | (0.285) | (0.286) |  |  |  |
| Age2/100 | 0.0339 | 0.0347 | 0.0355 |  | 0.0589\* | 0.0585 | 0.0624\* |  |  |  |
|  | (0.0241) | (0.0255) | (0.0255) |  | (0.0346) | (0.0365) | (0.0366) |  |  |  |
| Male | -0.0988\* | -0.0924 | -0.0894 |  | -0.0464 | -0.0455 | -0.0385 |  |  |  |
|  | (0.0592) | (0.0603) | (0.0602) |  | (0.0851) | (0.0881) | (0.0876) |  |  |  |
| Birth Weight | -0.0546 | -0.0506 | -0.0506 |  | -0.0573 | -0.0566 | -0.0585 | -0.129 | -0.130 | -0.130 |
|  | (0.0409) | (0.0410) | (0.0409) |  | (0.0541) | (0.0544) | (0.0538) | (0.0911) | (0.0911) | (0.0911) |
| Early Disease | 0.0884 | 0.0694 | 0.0683 |  | 0.192 | 0.191 | 0.194 | 0.0201 | 0.0337 | 0.0335 |
|  | (0.198) | (0.199) | (0.201) |  | (0.313) | (0.314) | (0.317) | (0.332) | (0.324) | (0.323) |
| Log(Income) |  | 0.00205 | 0.0106 |  |  | -0.000419 | 0.0171 |  | -0.0216 | -0.0217 |
|  |  | (0.0318) | (0.0322) |  |  | (0.0459) | (0.0463) |  | (0.0721) | (0.0730) |
| Married |  | -0.00642 | -0.00405 |  |  | -0.00416 | 0.00792 |  | 0.0213 | 0.0212 |
|  |  | (0.0591) | (0.0593) |  |  | (0.0899) | (0.0910) |  | (0.104) | (0.105) |
| Health |  | -0.0547\* | -0.0543\* |  |  | -0.00715 | -0.00380 |  | 0.0835 | 0.0835 |
|  |  | (0.0311) | (0.0311) |  |  | (0.0454) | (0.0450) |  | (0.0618) | (0.0618) |
| Working overtime |  |  | -0.0780\* |  |  |  | -0.181\*\*\* |  |  | 0.00109 |
|  |  |  | (0.0464) |  |  |  | (0.0677) |  |  | (0.0874) |
| Twin pairs |  |  |  |  | 660 | 660 | 660 | 660 | 660 | 660 |
| Observations | 2,635 | 2,635 | 2,635 |  | 1,320 | 1,320 | 1,320 | 660 | 660 | 660 |
| R-squared | 0.018 | 0.020 | 0.021 |  | 0.031 | 0.031 | 0.037 | 0.003 | 0.007 | 0.007 |
|  | | | | | | | | | | |

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Table 3: F17-1 Sad\_control\_4scale** | | | | | | | | | | |
| Sample | All Twins | | |  | MZ Twins | | | | | |
| Model | OLS | OLS | OLS |  | OLS | OLS | OLS | FE | FE | FE |
|  | (1) | (2) | (3) |  | (4) | (5) | (6) | (7) | (8) | (9) |
| Smoke | -0.00113 | 0.000840 | 0.000620 |  | -0.00246 | -0.00272 | -0.00350 | 0.0561\* | 0.0572\* | 0.0573\* |
|  | (0.0158) | (0.0157) | (0.0158) |  | (0.0224) | (0.0224) | (0.0224) | (0.0339) | (0.0343) | (0.0343) |
| Age/10 | -0.265\* | -0.170 | -0.165 |  | -0.254 | -0.187 | -0.170 |  |  |  |
|  | (0.140) | (0.157) | (0.157) |  | (0.189) | (0.210) | (0.212) |  |  |  |
| Age2/100 | 0.0249 | 0.0142 | 0.0139 |  | 0.0198 | 0.0120 | 0.0106 |  |  |  |
|  | (0.0187) | (0.0201) | (0.0201) |  | (0.0246) | (0.0262) | (0.0264) |  |  |  |
| Male | -0.0921\*\* | -0.0890\* | -0.0902\* |  | -0.0852 | -0.0712 | -0.0736 |  |  |  |
|  | (0.0465) | (0.0471) | (0.0472) |  | (0.0637) | (0.0644) | (0.0645) |  |  |  |
| Birth Weight | -0.0386 | -0.0336 | -0.0336 |  | -0.0323 | -0.0248 | -0.0241 | 0.0133 | 0.00775 | 0.00796 |
|  | (0.0330) | (0.0327) | (0.0326) |  | (0.0422) | (0.0413) | (0.0412) | (0.100) | (0.100) | (0.100) |
| Early Disease | 0.117 | 0.0964 | 0.0968 |  | -0.0903 | -0.111 | -0.112 | -0.206 | -0.185 | -0.188 |
|  | (0.146) | (0.145) | (0.145) |  | (0.158) | (0.157) | (0.159) | (0.267) | (0.273) | (0.273) |
| Log(Income) |  | -0.0341 | -0.0374 |  |  | -0.0410 | -0.0472 |  | -0.0253 | -0.0279 |
|  |  | (0.0252) | (0.0256) |  |  | (0.0344) | (0.0350) |  | (0.0487) | (0.0495) |
| Married |  | -0.0782 | -0.0791 |  |  | -0.0623 | -0.0665 |  | -0.0502 | -0.0526 |
|  |  | (0.0507) | (0.0508) |  |  | (0.0716) | (0.0720) |  | (0.0858) | (0.0857) |
| Health |  | -0.0317 | -0.0318 |  |  | -0.0499 | -0.0511 |  | 0.0573 | 0.0571 |
|  |  | (0.0244) | (0.0244) |  |  | (0.0344) | (0.0344) |  | (0.0497) | (0.0497) |
| Working overtime |  |  | 0.0296 |  |  |  | 0.0636 |  |  | 0.0228 |
|  |  |  | (0.0379) |  |  |  | (0.0534) |  |  | (0.0714) |
| Twin pairs |  |  |  |  | 660 | 660 | 660 | 660 | 660 | 660 |
| Observations | 2,635 | 2,635 | 2,635 |  | 1,320 | 1,320 | 1,320 | 660 | 660 | 660 |
| R-squared | 0.016 | 0.019 | 0.020 |  | 0.025 | 0.030 | 0.031 | 0.005 | 0.009 | 0.009 |
|  | | | | | | | | | | |

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Table 3: F17-2 Scared\_control\_4scale** | | | | | | | | | | |
| Sample | All Twins | | |  | MZ Twins | | | | | |
| Model | OLS | OLS | OLS |  | OLS | OLS | OLS | FE | FE | FE |
|  | (1) | (2) | (3) |  | (4) | (5) | (6) | (7) | (8) | (9) |
| Smoke | 0.0195 | 0.0194 | 0.0187 |  | 0.0366 | 0.0363 | 0.0352 | 0.0529\* | 0.0553\* | 0.0554\* |
|  | (0.0179) | (0.0179) | (0.0180) |  | (0.0248) | (0.0248) | (0.0249) | (0.0307) | (0.0307) | (0.0307) |
| Age/10 | -0.256 | -0.300\* | -0.283 |  | -0.304 | -0.318 | -0.295 |  |  |  |
|  | (0.166) | (0.182) | (0.182) |  | (0.229) | (0.250) | (0.252) |  |  |  |
| Age2/100 | 0.0217 | 0.0259 | 0.0249 |  | 0.0264 | 0.0275 | 0.0256 |  |  |  |
|  | (0.0221) | (0.0234) | (0.0234) |  | (0.0297) | (0.0314) | (0.0315) |  |  |  |
| Male | -0.202\*\*\* | -0.193\*\*\* | -0.197\*\*\* |  | -0.168\*\* | -0.161\*\* | -0.164\*\* |  |  |  |
|  | (0.0564) | (0.0567) | (0.0567) |  | (0.0781) | (0.0794) | (0.0794) |  |  |  |
| Birth Weight | -0.0789\*\* | -0.0760\*\* | -0.0758\*\* |  | -0.0407 | -0.0372 | -0.0363 | -0.0544 | -0.0670 | -0.0669 |
|  | (0.0378) | (0.0378) | (0.0376) |  | (0.0478) | (0.0474) | (0.0472) | (0.0724) | (0.0743) | (0.0743) |
| Early Disease | 0.238 | 0.223 | 0.225 |  | 0.117 | 0.106 | 0.104 | 0.204 | 0.235 | 0.234 |
|  | (0.194) | (0.195) | (0.195) |  | (0.205) | (0.203) | (0.206) | (0.235) | (0.243) | (0.244) |
| Log(Income) |  | -0.0130 | -0.0235 |  |  | -0.0121 | -0.0204 |  | 0.0317 | 0.0308 |
|  |  | (0.0288) | (0.0293) |  |  | (0.0404) | (0.0409) |  | (0.0523) | (0.0540) |
| Married |  | 0.0311 | 0.0284 |  |  | 0.00544 | -0.000294 |  | -0.00208 | -0.00286 |
|  |  | (0.0565) | (0.0565) |  |  | (0.0788) | (0.0792) |  | (0.0857) | (0.0865) |
| Health |  | -0.0222 | -0.0229 |  |  | -0.0267 | -0.0283 |  | 0.0854\* | 0.0854\* |
|  |  | (0.0273) | (0.0273) |  |  | (0.0387) | (0.0387) |  | (0.0505) | (0.0505) |
| Working overtime |  |  | 0.0946\*\* |  |  |  | 0.0857 |  |  | 0.00729 |
|  |  |  | (0.0435) |  |  |  | (0.0604) |  |  | (0.0649) |
| Twin pairs |  |  |  |  | 660 | 660 | 660 | 660 | 660 | 660 |
| Observations | 2,635 | 2,635 | 2,635 |  | 1,320 | 1,320 | 1,320 | 660 | 660 | 660 |
| R-squared | 0.034 | 0.034 | 0.036 |  | 0.035 | 0.035 | 0.037 | 0.005 | 0.011 | 0.011 |
|  | | | | | | | | | | |

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Table 3: F17-3 Happiness\_control\_4scale** | | | | | | | | | | |
| Sample | All Twins | | |  | MZ Twins | | | | | |
| Model | OLS | OLS | OLS |  | OLS | OLS | OLS | FE | FE | FE |
|  | (1) | (2) | (3) |  | (4) | (5) | (6) | (7) | (8) | (9) |
| Smoke | 0.0117 | 0.0136 | 0.0130 |  | 0.0229 | 0.0229 | 0.0223 | 0.101\*\*\* | 0.0991\*\*\* | 0.0992\*\*\* |
|  | (0.0174) | (0.0174) | (0.0174) |  | (0.0240) | (0.0240) | (0.0241) | (0.0361) | (0.0365) | (0.0365) |
| Age/10 | -0.337\*\* | -0.239 | -0.225 |  | -0.307 | -0.185 | -0.172 |  |  |  |
|  | (0.157) | (0.177) | (0.178) |  | (0.211) | (0.238) | (0.240) |  |  |  |
| Age2/100 | 0.0223 | 0.0113 | 0.0106 |  | 0.0201 | 0.00649 | 0.00547 |  |  |  |
|  | (0.0208) | (0.0226) | (0.0226) |  | (0.0274) | (0.0297) | (0.0299) |  |  |  |
| Male | -0.0652 | -0.0620 | -0.0651 |  | -0.0904 | -0.0769 | -0.0787 |  |  |  |
|  | (0.0519) | (0.0526) | (0.0526) |  | (0.0685) | (0.0700) | (0.0698) |  |  |  |
| Birth Weight | -0.0422 | -0.0374 | -0.0373 |  | -0.0442 | -0.0365 | -0.0360 | 0.0892 | 0.0736 | 0.0738 |
|  | (0.0369) | (0.0366) | (0.0365) |  | (0.0487) | (0.0476) | (0.0477) | (0.0980) | (0.0984) | (0.0987) |
| Early Disease | -0.0578 | -0.0778 | -0.0766 |  | -0.342\*\*\* | -0.362\*\*\* | -0.363\*\*\* | -0.619\*\* | -0.570\*\* | -0.572\*\* |
|  | (0.152) | (0.151) | (0.152) |  | (0.112) | (0.120) | (0.121) | (0.259) | (0.263) | (0.262) |
| Log(Income) |  | -0.0390 | -0.0481\* |  |  | -0.0522 | -0.0569 |  | -0.0778 | -0.0800 |
|  |  | (0.0266) | (0.0273) |  |  | (0.0383) | (0.0394) |  | (0.0583) | (0.0591) |
| Married |  | -0.0776 | -0.0800 |  |  | -0.103 | -0.107 |  | -0.228\*\* | -0.230\*\* |
|  |  | (0.0604) | (0.0603) |  |  | (0.0829) | (0.0830) |  | (0.102) | (0.102) |
| Health |  | -0.0249 | -0.0253 |  |  | -0.0459 | -0.0468 |  | 0.0653 | 0.0651 |
|  |  | (0.0266) | (0.0265) |  |  | (0.0372) | (0.0371) |  | (0.0564) | (0.0564) |
| Working overtime |  |  | 0.0821\* |  |  |  | 0.0479 |  |  | 0.0187 |
|  |  |  | (0.0433) |  |  |  | (0.0600) |  |  | (0.0751) |
| Twin pairs |  |  |  |  | 660 | 660 | 660 | 660 | 660 | 660 |
| Observations | 2,635 | 2,635 | 2,635 |  | 1,320 | 1,320 | 1,320 | 660 | 660 | 660 |
| R-squared | 0.040 | 0.043 | 0.044 |  | 0.042 | 0.047 | 0.048 | 0.019 | 0.033 | 0.033 |
|  | | | | | | | | | | |

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Table 3: F17-4 Angry\_control\_4scale** | | | | | | | | | | |
| Sample | All Twins | | |  | MZ Twins | | | | | |
| Model | OLS | OLS | OLS |  | OLS | OLS | OLS | FE | FE | FE |
|  | (1) | (2) | (3) |  | (4) | (5) | (6) | (7) | (8) | (9) |
| Smoke | 0.0105 | 0.0117 | 0.0119 |  | 0.0203 | 0.0211 | 0.0216 | 0.0419 | 0.0377 | 0.0376 |
|  | (0.0174) | (0.0173) | (0.0173) |  | (0.0244) | (0.0243) | (0.0242) | (0.0331) | (0.0329) | (0.0329) |
| Age/10 | -0.334\*\* | -0.280 | -0.285\* |  | -0.430\*\* | -0.252 | -0.263 |  |  |  |
|  | (0.152) | (0.172) | (0.172) |  | (0.207) | (0.231) | (0.232) |  |  |  |
| Age2/100 | 0.0259 | 0.0194 | 0.0197 |  | 0.0384 | 0.0193 | 0.0202 |  |  |  |
|  | (0.0201) | (0.0218) | (0.0219) |  | (0.0268) | (0.0289) | (0.0290) |  |  |  |
| Male | -0.0809 | -0.0789 | -0.0778 |  | -0.0416 | -0.0538 | -0.0521 |  |  |  |
|  | (0.0522) | (0.0527) | (0.0528) |  | (0.0718) | (0.0732) | (0.0733) |  |  |  |
| Birth Weight | -0.0539 | -0.0503 | -0.0503 |  | -0.0252 | -0.0247 | -0.0252 | -0.00432 | -0.0194 | -0.0198 |
|  | (0.0350) | (0.0350) | (0.0351) |  | (0.0435) | (0.0439) | (0.0440) | (0.104) | (0.106) | (0.105) |
| Early Disease | 0.0874 | 0.0714 | 0.0710 |  | -0.0845 | -0.0691 | -0.0684 | -0.202 | -0.175 | -0.170 |
|  | (0.146) | (0.146) | (0.146) |  | (0.155) | (0.155) | (0.153) | (0.270) | (0.259) | (0.258) |
| Log(Income) |  | -0.00186 | 0.00136 |  |  | 0.0181 | 0.0223 |  | 0.0210 | 0.0252 |
|  |  | (0.0290) | (0.0294) |  |  | (0.0416) | (0.0423) |  | (0.0628) | (0.0638) |
| Married |  | -0.0592 | -0.0583 |  |  | -0.155\*\* | -0.152\* |  | -0.132 | -0.128 |
|  |  | (0.0569) | (0.0569) |  |  | (0.0786) | (0.0787) |  | (0.0812) | (0.0816) |
| Health |  | -0.0505\* | -0.0503\* |  |  | -0.0296 | -0.0288 |  | -0.0234 | -0.0231 |
|  |  | (0.0261) | (0.0261) |  |  | (0.0363) | (0.0363) |  | (0.0504) | (0.0505) |
| Working overtime |  |  | -0.0292 |  |  |  | -0.0433 |  |  | -0.0365 |
|  |  |  | (0.0408) |  |  |  | (0.0567) |  |  | (0.0721) |
| Twin pairs |  |  |  |  | 660 | 660 | 660 | 660 | 660 | 660 |
| Observations | 2,635 | 2,635 | 2,635 |  | 1,320 | 1,320 | 1,320 | 660 | 660 | 660 |
| R-squared | 0.031 | 0.034 | 0.034 |  | 0.047 | 0.051 | 0.052 | 0.003 | 0.007 | 0.007 |
|  | | | | | | | | | | |

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Table 3: F17-5 Hateful\_control\_4scale** | | | | | | | | | | |
| Sample | All Twins | | |  | MZ Twins | | | | | |
| Model | OLS | OLS | OLS |  | OLS | OLS | OLS | FE | FE | FE |
|  | (1) | (2) | (3) |  | (4) | (5) | (6) | (7) | (8) | (9) |
| Smoke | -0.00261 | -0.00161 | -0.00178 |  | -0.000303 | -0.000361 | -0.000680 | 0.0695\*\* | 0.0680\* | 0.0682\* |
|  | (0.0163) | (0.0164) | (0.0164) |  | (0.0223) | (0.0224) | (0.0224) | (0.0341) | (0.0350) | (0.0349) |
| Age/10 | -0.243 | -0.242 | -0.238 |  | -0.296 | -0.244 | -0.237 |  |  |  |
|  | (0.157) | (0.176) | (0.177) |  | (0.200) | (0.231) | (0.232) |  |  |  |
| Age2/100 | 0.0177 | 0.0168 | 0.0165 |  | 0.0227 | 0.0168 | 0.0163 |  |  |  |
|  | (0.0206) | (0.0222) | (0.0222) |  | (0.0256) | (0.0282) | (0.0283) |  |  |  |
| Male | -0.0612 | -0.0462 | -0.0470 |  | 0.0264 | 0.0364 | 0.0354 |  |  |  |
|  | (0.0531) | (0.0538) | (0.0539) |  | (0.0697) | (0.0708) | (0.0710) |  |  |  |
| Birth Weight | -0.0564 | -0.0491 | -0.0491 |  | -0.0431 | -0.0389 | -0.0386 | 0.146\* | 0.142\* | 0.142\* |
|  | (0.0362) | (0.0359) | (0.0359) |  | (0.0444) | (0.0442) | (0.0442) | (0.0857) | (0.0847) | (0.0849) |
| Early Disease | 0.0874 | 0.0544 | 0.0548 |  | -0.0844 | -0.0984 | -0.0989 | -0.0917 | -0.0734 | -0.0797 |
|  | (0.158) | (0.159) | (0.159) |  | (0.163) | (0.163) | (0.164) | (0.200) | (0.195) | (0.197) |
| Log(Income) |  | -0.0623\*\* | -0.0650\*\* |  |  | -0.0387 | -0.0413 |  | -0.0562 | -0.0615 |
|  |  | (0.0283) | (0.0287) |  |  | (0.0401) | (0.0408) |  | (0.0677) | (0.0688) |
| Married |  | 0.00533 | 0.00462 |  |  | -0.0404 | -0.0421 |  | -0.122 | -0.127 |
|  |  | (0.0572) | (0.0573) |  |  | (0.0801) | (0.0803) |  | (0.0771) | (0.0779) |
| Health |  | -0.0257 | -0.0258 |  |  | -0.0158 | -0.0163 |  | 0.0172 | 0.0167 |
|  |  | (0.0262) | (0.0262) |  |  | (0.0371) | (0.0371) |  | (0.0547) | (0.0545) |
| Working overtime |  |  | 0.0244 |  |  |  | 0.0260 |  |  | 0.0454 |
|  |  |  | (0.0424) |  |  |  | (0.0583) |  |  | (0.0720) |
| Twin pairs |  |  |  |  | 660 | 660 | 660 | 660 | 660 | 660 |
| Observations | 2,635 | 2,635 | 2,635 |  | 1,320 | 1,320 | 1,320 | 660 | 660 | 660 |
| R-squared | 0.033 | 0.036 | 0.036 |  | 0.055 | 0.056 | 0.056 | 0.010 | 0.015 | 0.016 |
|  | | | | | | | | | | |

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Table 3: F18 Life\_Short** | | | | | | | | | | |
| Sample | All Twins | | |  | MZ Twins | | | | | |
| Model | OLS | OLS | OLS |  | OLS | OLS | OLS | FE | FE | FE |
|  | (1) | (2) | (3) |  | (4) | (5) | (6) | (7) | (8) | (9) |
| Smoke | -0.0187 | -0.0167 | -0.0163 |  | 0.0230 | 0.0211 | 0.0201 | 0.119 | 0.101 | 0.102 |
|  | (0.0350) | (0.0346) | (0.0346) |  | (0.0510) | (0.0505) | (0.0505) | (0.0803) | (0.0810) | (0.0808) |
| Age/10 | 0.629\*\* | 0.671\*\* | 0.663\*\* |  | 0.660 | 0.686 | 0.709 |  |  |  |
|  | (0.298) | (0.326) | (0.326) |  | (0.447) | (0.482) | (0.485) |  |  |  |
| Age2/100 | -0.0361 | -0.0435 | -0.0430 |  | -0.0322 | -0.0390 | -0.0407 |  |  |  |
|  | (0.0398) | (0.0420) | (0.0420) |  | (0.0588) | (0.0612) | (0.0615) |  |  |  |
| Male | -0.177 | -0.168 | -0.166 |  | -0.252 | -0.247 | -0.250 |  |  |  |
|  | (0.108) | (0.108) | (0.109) |  | (0.157) | (0.157) | (0.157) |  |  |  |
| Birth Weight | -0.0141 | -0.00303 | -0.00306 |  | 0.0522 | 0.0747 | 0.0756 | 0.154 | 0.109 | 0.111 |
|  | (0.0646) | (0.0647) | (0.0647) |  | (0.0928) | (0.0931) | (0.0933) | (0.167) | (0.176) | (0.176) |
| Early Disease | -0.618 | -0.672\* | -0.672\* |  | -1.120\*\* | -1.146\*\* | -1.147\*\* | -0.763 | -0.715 | -0.741 |
|  | (0.385) | (0.382) | (0.381) |  | (0.518) | (0.497) | (0.497) | (0.851) | (0.832) | (0.832) |
| Log(Income) |  | 0.0575 | 0.0626 |  |  | 0.121 | 0.113 |  | 0.167 | 0.146 |
|  |  | (0.0599) | (0.0608) |  |  | (0.0844) | (0.0860) |  | (0.112) | (0.111) |
| Married |  | -0.119 | -0.117 |  |  | -0.143 | -0.148 |  | -0.352\*\* | -0.371\*\* |
|  |  | (0.102) | (0.102) |  |  | (0.149) | (0.150) |  | (0.165) | (0.165) |
| Health |  | -0.221\*\*\* | -0.221\*\*\* |  |  | -0.342\*\*\* | -0.343\*\*\* |  | -0.240\*\* | -0.242\*\* |
|  |  | (0.0530) | (0.0530) |  |  | (0.0766) | (0.0765) |  | (0.117) | (0.117) |
| Working overtime |  |  | -0.0465 |  |  |  | 0.0825 |  |  | 0.182 |
|  |  |  | (0.0837) |  |  |  | (0.125) |  |  | (0.147) |
| Twin pairs |  |  |  |  | 660 | 660 | 660 | 660 | 660 | 660 |
| Observations | 2,635 | 2,635 | 2,635 |  | 1,320 | 1,320 | 1,320 | 660 | 660 | 660 |
| R-squared | 0.068 | 0.077 | 0.077 |  | 0.070 | 0.089 | 0.089 | 0.008 | 0.027 | 0.029 |

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Table 3: F19 Future\_decided** | | | | | | | | | | |
| Sample | All Twins | | |  | MZ Twins | | | | | |
| Model | OLS | OLS | OLS |  | OLS | OLS | OLS | FE | FE | FE |
|  | (1) | (2) | (3) |  | (4) | (5) | (6) | (7) | (8) | (9) |
| Smoke | 0.0397 | 0.0375 | 0.0372 |  | 0.103\* | 0.0980\* | 0.0987\* | 0.0912 | 0.0992 | 0.0996 |
|  | (0.0362) | (0.0359) | (0.0359) |  | (0.0538) | (0.0532) | (0.0532) | (0.0782) | (0.0780) | (0.0780) |
| Age/10 | 1.037\*\*\* | 0.597\* | 0.603\* |  | 1.360\*\*\* | 0.957\* | 0.943\* |  |  |  |
|  | (0.311) | (0.344) | (0.345) |  | (0.474) | (0.524) | (0.525) |  |  |  |
| Age2/100 | -0.00619 | 0.0374 | 0.0370 |  | -0.0411 | -0.000994 | 9.91e-05 |  |  |  |
|  | (0.0419) | (0.0446) | (0.0446) |  | (0.0639) | (0.0679) | (0.0680) |  |  |  |
| Male | -0.382\*\*\* | -0.304\*\*\* | -0.305\*\*\* |  | -0.577\*\*\* | -0.476\*\*\* | -0.474\*\*\* |  |  |  |
|  | (0.113) | (0.114) | (0.114) |  | (0.164) | (0.163) | (0.164) |  |  |  |
| Birth Weight | -0.0962 | -0.0707 | -0.0706 |  | -0.0230 | 0.00828 | 0.00773 | -0.0472 | 0.00447 | 0.00525 |
|  | (0.0742) | (0.0736) | (0.0737) |  | (0.108) | (0.106) | (0.106) | (0.177) | (0.183) | (0.183) |
| Early Disease | 0.795\*\*\* | 0.670\*\* | 0.671\*\* |  | 0.631 | 0.487 | 0.488 | -0.333 | -0.424 | -0.436 |
|  | (0.291) | (0.292) | (0.293) |  | (0.441) | (0.439) | (0.440) | (0.536) | (0.533) | (0.542) |
| Log(Income) |  | -0.182\*\*\* | -0.186\*\*\* |  |  | -0.208\*\* | -0.203\*\* |  | -0.140 | -0.149 |
|  |  | (0.0639) | (0.0644) |  |  | (0.0894) | (0.0904) |  | (0.110) | (0.111) |
| Married |  | 0.351\*\*\* | 0.350\*\*\* |  |  | 0.316\* | 0.320\* |  | 0.273 | 0.264 |
|  |  | (0.116) | (0.116) |  |  | (0.175) | (0.175) |  | (0.188) | (0.190) |
| Health |  | -0.109\* | -0.110\* |  |  | -0.140\* | -0.139\* |  | -0.00385 | -0.00465 |
|  |  | (0.0587) | (0.0588) |  |  | (0.0830) | (0.0831) |  | (0.120) | (0.120) |
| Working overtime |  |  | 0.0355 |  |  |  | -0.0514 |  |  | 0.0850 |
|  |  |  | (0.0893) |  |  |  | (0.130) |  |  | (0.137) |
| Twin pairs |  |  |  |  | 660 | 660 | 660 | 660 | 660 | 660 |
| Observations | 2,635 | 2,635 | 2,635 |  | 1,320 | 1,320 | 1,320 | 660 | 660 | 660 |
| R-squared | 0.242 | 0.250 | 0.250 |  | 0.261 | 0.270 | 0.270 | 0.003 | 0.008 | 0.009 |
|  | | | | | | | | | | |