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| **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) |
| Sports | 0.0332\*\*\* | 0.0281\*\* | 0.0292\*\* |  | 0.0381\*\* | 0.0303\* | 0.0322\* | 0.00781 | 0.00211 | 0.00248 |
|  | (0.0123) | (0.0122) | (0.0123) |  | (0.0171) | (0.0169) | (0.0170) | (0.0275) | (0.0275) | (0.0275) |
| Age/10 | 0.0115 | -0.289\*\* | -0.279\* |  | -0.0607 | -0.418\*\* | -0.394\* |  |  |  |
|  | (0.129) | (0.144) | (0.144) |  | (0.182) | (0.207) | (0.207) |  |  |  |
| Age2/100 | 0.00792 | 0.0422\*\* | 0.0415\*\* |  | 0.0220 | 0.0620\*\* | 0.0599\*\* |  |  |  |
|  | (0.0174) | (0.0185) | (0.0185) |  | (0.0243) | (0.0263) | (0.0262) |  |  |  |
| Male | 0.152\*\*\* | 0.138\*\*\* | 0.136\*\*\* |  | 0.175\*\*\* | 0.159\*\*\* | 0.155\*\*\* |  |  |  |
|  | (0.0373) | (0.0372) | (0.0372) |  | (0.0527) | (0.0535) | (0.0533) |  |  |  |
| Birth Weight | 0.0126 | -0.000331 | -0.000145 |  | -0.0145 | -0.0293 | -0.0284 | -0.0625 | -0.0509 | -0.0513 |
|  | (0.0287) | (0.0281) | (0.0281) |  | (0.0388) | (0.0375) | (0.0376) | (0.0716) | (0.0717) | (0.0713) |
| Early Disease | -0.181 | -0.127 | -0.126 |  | -0.0335 | -0.0108 | -0.0121 | -0.119 | -0.145 | -0.136 |
|  | (0.145) | (0.141) | (0.141) |  | (0.219) | (0.219) | (0.218) | (0.229) | (0.232) | (0.230) |
| Log(Income) |  | 0.0591\*\* | 0.0539\*\* |  |  | 0.0710\* | 0.0636 |  | 0.00680 | 0.0137 |
|  |  | (0.0257) | (0.0262) |  |  | (0.0381) | (0.0387) |  | (0.0575) | (0.0584) |
| Married |  | 0.256\*\*\* | 0.255\*\*\* |  |  | 0.294\*\*\* | 0.289\*\*\* |  | 0.196\*\* | 0.203\*\* |
|  |  | (0.0479) | (0.0480) |  |  | (0.0722) | (0.0719) |  | (0.0891) | (0.0892) |
| Health |  | 0.125\*\*\* | 0.125\*\*\* |  |  | 0.108\*\*\* | 0.106\*\*\* |  | 0.0673 | 0.0678 |
|  |  | (0.0237) | (0.0237) |  |  | (0.0325) | (0.0324) |  | (0.0454) | (0.0454) |
| Working overtime |  |  | 0.0462 |  |  |  | 0.0751 |  |  | -0.0601 |
|  |  |  | (0.0354) |  |  |  | (0.0498) |  |  | (0.0701) |
| 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 | 0.051 | 0.052 |  | 0.035 | 0.066 | 0.068 | 0.002 | 0.013 | 0.014 |
|  | | | | | | | | | | |

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| **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) |
| Sports | 0.0166 | 0.0129 | 0.0135 |  | 0.000247 | -0.00585 | -0.00571 | -0.0246 | -0.0288 | -0.0276 |
|  | (0.0114) | (0.0115) | (0.0115) |  | (0.0162) | (0.0164) | (0.0164) | (0.0210) | (0.0213) | (0.0210) |
| Age/10 | 0.259\*\* | 0.207 | 0.213 |  | 0.149 | 0.0832 | 0.0850 |  |  |  |
|  | (0.128) | (0.139) | (0.139) |  | (0.181) | (0.195) | (0.196) |  |  |  |
| Age2/100 | -0.0205 | -0.0137 | -0.0141 |  | -0.00048 | 0.00803 | 0.00787 |  |  |  |
|  | (0.0171) | (0.0179) | (0.0179) |  | (0.0238) | (0.0250) | (0.0251) |  |  |  |
| Male | 0.0513 | 0.0446 | 0.0431 |  | 0.0615 | 0.0562 | 0.0559 |  |  |  |
|  | (0.0355) | (0.0359) | (0.0359) |  | (0.0506) | (0.0520) | (0.0521) |  |  |  |
| Birth Weight | 0.000682 | -0.00442 | -0.00430 |  | -0.00314 | -0.0108 | -0.0108 | -0.0981 | -0.100 | -0.102 |
|  | (0.0285) | (0.0284) | (0.0284) |  | (0.0402) | (0.0400) | (0.0400) | (0.0647) | (0.0644) | (0.0635) |
| Early Disease | -0.209\* | -0.185 | -0.185 |  | 0.0155 | 0.0267 | 0.0266 | 0.131 | 0.136 | 0.162 |
|  | (0.124) | (0.124) | (0.124) |  | (0.180) | (0.176) | (0.176) | (0.283) | (0.281) | (0.262) |
| Log(Income) |  | -0.00419 | -0.00742 |  |  | -0.00715 | -0.00771 |  | 0.00911 | 0.0306 |
|  |  | (0.0237) | (0.0240) |  |  | (0.0336) | (0.0339) |  | (0.0444) | (0.0448) |
| Married |  | 0.0619 | 0.0612 |  |  | 0.0689 | 0.0685 |  | 0.0556 | 0.0754 |
|  |  | (0.0438) | (0.0439) |  |  | (0.0613) | (0.0615) |  | (0.0622) | (0.0609) |
| Health |  | 0.0805\*\*\* | 0.0802\*\*\* |  |  | 0.0844\*\*\* | 0.0843\*\*\* |  | 0.0624\* | 0.0640\* |
|  |  | (0.0221) | (0.0221) |  |  | (0.0305) | (0.0306) |  | (0.0372) | (0.0372) |
| Working overtime |  |  | 0.0286 |  |  |  | 0.00570 |  |  | -0.186\*\*\* |
|  |  |  | (0.0335) |  |  |  | (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 | 0.023 | 0.031 | 0.031 |  | 0.036 | 0.044 | 0.044 | 0.005 | 0.010 | 0.024 |

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| **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) |
| Sports | 0.0605\*\*\* | 0.0543\*\*\* | 0.0536\*\*\* |  | 0.0699\*\*\* | 0.0594\*\*\* | 0.0580\*\*\* | 0.0712\*\*\* | 0.0629\*\*\* | 0.0633\*\*\* |
|  | (0.00986) | (0.00973) | (0.00972) |  | (0.0129) | (0.0128) | (0.0128) | (0.0219) | (0.0213) | (0.0213) |
| Age/10 | -0.0101 | -0.217\* | -0.223\* |  | -0.0456 | -0.176 | -0.193 |  |  |  |
|  | (0.116) | (0.126) | (0.126) |  | (0.158) | (0.176) | (0.176) |  |  |  |
| Age2/100 | -0.00505 | 0.0196 | 0.0200 |  | 0.00134 | 0.0176 | 0.0191 |  |  |  |
|  | (0.0159) | (0.0165) | (0.0165) |  | (0.0215) | (0.0228) | (0.0228) |  |  |  |
| Male | -0.0995\*\*\* | -0.127\*\*\* | -0.126\*\*\* |  | -0.0899\*\* | -0.129\*\*\* | -0.126\*\*\* |  |  |  |
|  | (0.0324) | (0.0326) | (0.0326) |  | (0.0446) | (0.0451) | (0.0450) |  |  |  |
| Birth Weight | 0.00460 | -0.0115 | -0.0117 |  | 0.0440 | 0.0254 | 0.0247 | 0.0245 | 0.00598 | 0.00553 |
|  | (0.0264) | (0.0258) | (0.0258) |  | (0.0349) | (0.0328) | (0.0327) | (0.0737) | (0.0695) | (0.0692) |
| Early Disease | 0.0931 | 0.163\* | 0.163\* |  | 0.162 | 0.219 | 0.220 | 0.0441 | 0.0746 | 0.0833 |
|  | (0.0997) | (0.0936) | (0.0938) |  | (0.137) | (0.140) | (0.140) | (0.237) | (0.244) | (0.244) |
| Log(Income) |  | 0.112\*\*\* | 0.115\*\*\* |  |  | 0.116\*\*\* | 0.122\*\*\* |  | 0.0915\* | 0.0986\*\* |
|  |  | (0.0210) | (0.0214) |  |  | (0.0286) | (0.0290) |  | (0.0468) | (0.0465) |
| Married |  | 0.163\*\*\* | 0.164\*\*\* |  |  | 0.0976 | 0.101\* |  | 0.0896 | 0.0961 |
|  |  | (0.0417) | (0.0417) |  |  | (0.0609) | (0.0608) |  | (0.0707) | (0.0713) |
| Health |  | 0.104\*\*\* | 0.105\*\*\* |  |  | 0.0972\*\*\* | 0.0986\*\*\* |  | 0.124\*\*\* | 0.124\*\*\* |
|  |  | (0.0201) | (0.0201) |  |  | (0.0272) | (0.0273) |  | (0.0365) | (0.0365) |
| Working overtime |  |  | -0.0279 |  |  |  | -0.0541 |  |  | -0.0611 |
|  |  |  | (0.0307) |  |  |  | (0.0418) |  |  | (0.0552) |
| 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 | 0.063 | 0.064 | 0.039 | 0.070 | 0.071 | 0.018 | 0.043 | 0.045 | 0.031 |
|  | | | | | | | | | | |

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| **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) |
| Sports | 0.00297 | -0.00188 | -0.00135 |  | 0.0119 | 0.00274 | 0.00246 | -0.0110 | -0.0186 | -0.0185 |
|  | (0.0121) | (0.0121) | (0.0121) |  | (0.0170) | (0.0170) | (0.0170) | (0.0233) | (0.0234) | (0.0234) |
| Age/10 | -0.105 | -0.0877 | -0.0831 |  | -0.179 | -0.216 | -0.219 |  |  |  |
|  | (0.132) | (0.146) | (0.146) |  | (0.196) | (0.214) | (0.215) |  |  |  |
| Age2/100 | 0.0226 | 0.0224 | 0.0220 |  | 0.0316 | 0.0377 | 0.0381 |  |  |  |
|  | (0.0181) | (0.0193) | (0.0193) |  | (0.0269) | (0.0284) | (0.0285) |  |  |  |
| Male | -0.0765\*\* | -0.0855\*\* | -0.0866\*\* |  | -0.0815 | -0.0948\* | -0.0942\* |  |  |  |
|  | (0.0372) | (0.0376) | (0.0376) |  | (0.0532) | (0.0543) | (0.0543) |  |  |  |
| Birth Weight | 0.00920 | 0.00418 | 0.00427 |  | -0.0597 | -0.0714\* | -0.0715\* | -0.208\*\* | -0.213\*\* | -0.214\*\* |
|  | (0.0306) | (0.0301) | (0.0301) |  | (0.0410) | (0.0393) | (0.0393) | (0.103) | (0.103) | (0.103) |
| Early Disease | -0.0770 | -0.0518 | -0.0514 |  | 0.224 | 0.248 | 0.248 | 0.355 | 0.373\* | 0.377\* |
|  | (0.140) | (0.139) | (0.139) |  | (0.193) | (0.186) | (0.187) | (0.223) | (0.210) | (0.212) |
| Log(Income) |  | -0.0168 | -0.0193 |  |  | 0.00232 | 0.00341 |  | -0.0224 | -0.0196 |
|  |  | (0.0230) | (0.0234) |  |  | (0.0331) | (0.0337) |  | (0.0513) | (0.0520) |
| Married |  | 0.0130 | 0.0124 |  |  | 0.0482 | 0.0489 |  | 0.0332 | 0.0358 |
|  |  | (0.0436) | (0.0436) |  |  | (0.0616) | (0.0614) |  | (0.0755) | (0.0760) |
| Health |  | 0.0924\*\*\* | 0.0921\*\*\* |  |  | 0.114\*\*\* | 0.115\*\*\* |  | 0.126\*\*\* | 0.126\*\*\* |
|  |  | (0.0227) | (0.0227) |  |  | (0.0331) | (0.0331) |  | (0.0449) | (0.0450) |
| Working overtime |  |  | 0.0225 |  |  |  | -0.0111 |  |  | -0.0246 |
|  |  |  | (0.0338) |  |  |  | (0.0476) |  |  | (0.0622) |
| 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 | 0.026 | 0.026 |  | 0.028 | 0.041 | 0.041 | 0.016 | 0.030 | 0.030 |
|  | | | | | | | | | | |

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| **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) |
| Sports | 0.0130 | 0.00784 | | 0.00893 |  | 0.0226 | 0.0131 | 0.0133 | -0.00563 | -0.0148 | -0.0148 |
|  | (0.0124) | (0.0123) | | (0.0123) |  | (0.0168) | (0.0164) | (0.0164) | (0.0235) | (0.0235) | (0.0236) |
| Age/10 | 0.0732 | -0.0834 | | -0.0740 |  | -0.0756 | -0.274 | -0.272 |  |  |  |
|  | (0.130) | (0.144) | | (0.144) |  | (0.180) | (0.204) | (0.204) |  |  |  |
| Age2/100 | 0.00567 | 0.0244 | | 0.0237 |  | 0.0254 | 0.0490\* | 0.0487\* |  |  |  |
|  | (0.0176) | (0.0187) | | (0.0187) |  | (0.0240) | (0.0262) | (0.0262) |  |  |  |
| Male | -0.0819\*\* | -0.088\*\* | | -0.090\*\* |  | -0.0899\* | -0.0923\* | -0.0928\* |  |  |  |
|  | (0.0375) | (0.0377) | | (0.0377) |  | (0.0528) | (0.0541) | (0.0542) |  |  |  |
| Birth Weight | 0.00410 | -0.00352 | | -0.00333 |  | -0.0208 | -0.0330 | -0.0328 | -0.0288 | -0.0251 | -0.0251 |
|  | (0.0304) | (0.0301) | | (0.0301) |  | (0.0421) | (0.0420) | (0.0420) | (0.0685) | (0.0703) | (0.0704) |
| Early Disease | -0.134 | -0.101 | | -0.0999 |  | 0.185 | 0.194 | 0.194 | 0.267 | 0.259 | 0.259 |
|  | (0.149) | (0.144) | | (0.144) |  | (0.206) | (0.201) | (0.200) | (0.292) | (0.281) | (0.281) |
| Log(Income) |  | -0.0113 | | -0.0164 |  |  | -0.0202 | -0.0210 |  | 0.0139 | 0.0138 |
|  |  | (0.0235) | | (0.0238) |  |  | (0.0338) | (0.0342) |  | (0.0552) | (0.0560) |
| Married |  | 0.160\*\*\* | | 0.159\*\*\* |  |  | 0.190\*\*\* | 0.190\*\*\* |  | 0.188\*\* | 0.188\*\* |
|  |  | (0.0464) | | (0.0463) |  |  | (0.0707) | (0.0707) |  | (0.0873) | (0.0872) |
| Health |  | 0.129\*\*\* | | 0.129\*\*\* |  |  | 0.145\*\*\* | 0.145\*\*\* |  | 0.127\*\*\* | 0.127\*\*\* |
|  |  | (0.0225) | | (0.0225) |  |  | (0.0313) | (0.0312) |  | (0.0477) | (0.0477) |
| Working overtime |  |  | | 0.0456 |  |  |  | 0.00825 |  |  | 0.00149 |
|  |  |  | | (0.0353) |  |  |  | (0.0505) |  |  | (0.0645) |
| 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 | 0.048 | | 0.049 |  | 0.036 | 0.060 | 0.060 | 0.002 | 0.023 | 0.023 |
|  | | | | | | | | | | | |

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| **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) |
| Sports | -0.00921 | -0.00410 | -0.00485 |  | -0.0381\* | -0.0291 | -0.0313 | -0.0659\*\* | -0.0659\*\* | -0.0661\*\* |
|  | (0.0159) | (0.0158) | (0.0159) |  | (0.0219) | (0.0220) | (0.0220) | (0.0326) | (0.0328) | (0.0328) |
| Age/10 | -0.527\*\*\* | -0.451\*\* | -0.457\*\* |  | -0.68\*\*\* | -0.702\*\*\* | -0.728\*\*\* |  |  |  |
|  | (0.171) | (0.185) | (0.185) |  | (0.245) | (0.262) | (0.263) |  |  |  |
| Age2/100 | 0.0640\*\*\* | 0.0540\*\* | 0.0545\*\* |  | 0.0811\*\* | 0.0811\*\* | 0.0834\*\* |  |  |  |
|  | (0.0230) | (0.0240) | (0.0240) |  | (0.0322) | (0.0335) | (0.0336) |  |  |  |
| Male | -0.0284 | -0.00985 | -0.00822 |  | 0.0894 | 0.121\* | 0.125\* |  |  |  |
|  | (0.0489) | (0.0493) | (0.0493) |  | (0.0687) | (0.0698) | (0.0696) |  |  |  |
| Birth Weight | -0.0376 | -0.0271 | -0.0273 |  | -0.0525 | -0.0386 | -0.0397 | -0.178\* | -0.169\* | -0.169\* |
|  | (0.0406) | (0.0404) | (0.0404) |  | (0.0542) | (0.0541) | (0.0540) | (0.0928) | (0.0908) | (0.0909) |
| Early Disease | -0.0325 | -0.0779 | -0.0784 |  | 0.0153 | -0.0320 | -0.0306 | -0.0856 | -0.0984 | -0.101 |
|  | (0.187) | (0.190) | (0.190) |  | (0.285) | (0.288) | (0.287) | (0.327) | (0.330) | (0.330) |
| Log(Income) |  | -0.0522 | -0.0487 |  |  | -0.0713 | -0.0631 |  | -0.0497 | -0.0522 |
|  |  | (0.0323) | (0.0330) |  |  | (0.0461) | (0.0471) |  | (0.0711) | (0.0726) |
| Married |  | -0.0684 | -0.0675 |  |  | 0.0179 | 0.0230 |  | 0.00938 | 0.00715 |
|  |  | (0.0570) | (0.0571) |  |  | (0.0836) | (0.0837) |  | (0.105) | (0.106) |
| Health |  | -0.0848\*\*\* | -0.0844\*\*\* |  |  | -0.0786\* | -0.0765\* |  | 0.00139 | 0.00121 |
|  |  | (0.0307) | (0.0307) |  |  | (0.0438) | (0.0437) |  | (0.0655) | (0.0657) |
| Working overtime |  |  | -0.0311 |  |  |  | -0.0830 |  |  | 0.0210 |
|  |  |  | (0.0468) |  |  |  | (0.0686) |  |  | (0.0929) |
| 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 | 0.023 | 0.023 |  | 0.033 | 0.039 | 0.040 | 0.011 | 0.012 | 0.012 |
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| **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) |
| Sports | 0.00694 | 0.0117 | 0.0106 |  | -0.0194 | -0.0157 | -0.0190 | -0.0206 | -0.0232 | -0.0229 |
|  | (0.0178) | (0.0177) | (0.0177) |  | (0.0250) | (0.0250) | (0.0250) | (0.0351) | (0.0349) | (0.0350) |
| Age/10 | -0.217 | -0.272 | -0.282 |  | -0.623\*\* | -0.698\*\* | -0.737\*\* |  |  |  |
|  | (0.191) | (0.205) | (0.206) |  | (0.280) | (0.303) | (0.304) |  |  |  |
| Age2/100 | 0.0171 | 0.0213 | 0.0221 |  | 0.0649\* | 0.0722\* | 0.0757\*\* |  |  |  |
|  | (0.0253) | (0.0264) | (0.0264) |  | (0.0366) | (0.0384) | (0.0384) |  |  |  |
| Male | -0.192\*\*\* | -0.169\*\*\* | -0.167\*\*\* |  | -0.111 | -0.0877 | -0.0805 |  |  |  |
|  | (0.0550) | (0.0558) | (0.0559) |  | (0.0786) | (0.0804) | (0.0803) |  |  |  |
| Birth Weight | -0.0622 | -0.0534 | -0.0537 |  | -0.0518 | -0.0451 | -0.0468 | -0.168\* | -0.159 | -0.159 |
|  | (0.0443) | (0.0442) | (0.0441) |  | (0.0611) | (0.0611) | (0.0607) | (0.101) | (0.0996) | (0.0999) |
| Early Disease | 0.132 | 0.0937 | 0.0932 |  | 0.112 | 0.0791 | 0.0814 | 0.276 | 0.263 | 0.271 |
|  | (0.207) | (0.209) | (0.209) |  | (0.313) | (0.311) | (0.309) | (0.188) | (0.193) | (0.192) |
| Log(Income) |  | -0.0576\* | -0.0525 |  |  | -0.0613 | -0.0486 |  | -0.0363 | -0.0300 |
|  |  | (0.0346) | (0.0352) |  |  | (0.0482) | (0.0488) |  | (0.0713) | (0.0731) |
| Married |  | 0.0481 | 0.0494 |  |  | 0.0728 | 0.0808 |  | 0.0645 | 0.0703 |
|  |  | (0.0627) | (0.0629) |  |  | (0.0925) | (0.0937) |  | (0.0960) | (0.0972) |
| Health |  | -0.0492 | -0.0486 |  |  | -0.0127 | -0.00937 |  | 0.0366 | 0.0370 |
|  |  | (0.0334) | (0.0334) |  |  | (0.0469) | (0.0467) |  | (0.0648) | (0.0646) |
| Working overtime |  |  | -0.0462 |  |  |  | -0.128\* |  |  | -0.0546 |
|  |  |  | (0.0521) |  |  |  | (0.0744) |  |  | (0.0864) |
| 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 |  | 0.027 | 0.029 | 0.032 | 0.006 | 0.008 | 0.008 |
|  | | | | | | | | | | |

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| **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) |
| Sports | 0.00365 | 0.00254 | 0.00326 |  | -0.00381 | -0.00485 | -0.00437 | -0.0818\*\* | -0.0838\*\* | -0.0842\*\* |
|  | (0.0167) | (0.0169) | (0.0169) |  | (0.0236) | (0.0241) | (0.0241) | (0.0328) | (0.0333) | (0.0332) |
| Age/10 | -0.320\* | -0.254 | -0.248 |  | -0.164 | -0.104 | -0.0981 |  |  |  |
|  | (0.187) | (0.203) | (0.204) |  | (0.278) | (0.302) | (0.305) |  |  |  |
| Age2/100 | 0.0330 | 0.0263 | 0.0258 |  | 0.0131 | 0.00675 | 0.00623 |  |  |  |
|  | (0.0250) | (0.0263) | (0.0264) |  | (0.0371) | (0.0390) | (0.0392) |  |  |  |
| Male | -0.0668 | -0.0835 | -0.0850 |  | -0.106 | -0.131\* | -0.132\* |  |  |  |
|  | (0.0535) | (0.0541) | (0.0541) |  | (0.0766) | (0.0784) | (0.0784) |  |  |  |
| Birth Weight | -0.0800\* | -0.0848\*\* | -0.0847\*\* |  | -0.142\*\* | -0.146\*\*\* | -0.146\*\*\* | -0.138 | -0.165 | -0.165 |
|  | (0.0415) | (0.0414) | (0.0415) |  | (0.0562) | (0.0560) | (0.0560) | (0.107) | (0.106) | (0.107) |
| Early Disease | -0.0127 | 0.00932 | 0.00987 |  | 0.109 | 0.142 | 0.141 | -0.369 | -0.319 | -0.327 |
|  | (0.204) | (0.204) | (0.203) |  | (0.320) | (0.315) | (0.315) | (0.425) | (0.417) | (0.413) |
| Log(Income) |  | 0.0760\*\* | 0.0726\*\* |  |  | 0.0886\* | 0.0868\* |  | 0.0756 | 0.0686 |
|  |  | (0.0332) | (0.0338) |  |  | (0.0489) | (0.0497) |  | (0.0692) | (0.0701) |
| Married |  | -0.0783 | -0.0792 |  |  | -0.0732 | -0.0743 |  | -0.101 | -0.107 |
|  |  | (0.0622) | (0.0622) |  |  | (0.0937) | (0.0940) |  | (0.115) | (0.114) |
| Health |  | -0.0265 | -0.0268 |  |  | -0.0293 | -0.0298 |  | 0.0450 | 0.0445 |
|  |  | (0.0313) | (0.0313) |  |  | (0.0449) | (0.0449) |  | (0.0628) | (0.0630) |
| Working overtime |  |  | 0.0300 |  |  |  | 0.0187 |  |  | 0.0601 |
|  |  |  | (0.0504) |  |  |  | (0.0748) |  |  | (0.0990) |
| 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 | 0.032 | 0.032 |  | 0.032 | 0.036 | 0.036 | 0.014 | 0.018 | 0.019 |
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| **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) |
| Sports | 0.0129 | 0.0172 | 0.0167 |  | -0.00901 | -0.00341 | -0.00596 | -0.0417 | -0.0442 | -0.0451 |
|  | (0.0153) | (0.0154) | (0.0153) |  | (0.0214) | (0.0217) | (0.0215) | (0.0325) | (0.0327) | (0.0326) |
| Age/10 | -0.226 | -0.250 | -0.255 |  | -0.399 | -0.451\* | -0.482\* |  |  |  |
|  | (0.171) | (0.187) | (0.187) |  | (0.251) | (0.270) | (0.270) |  |  |  |
| Age2/100 | 0.0220 | 0.0231 | 0.0235 |  | 0.0437 | 0.0480 | 0.0508 |  |  |  |
|  | (0.0231) | (0.0244) | (0.0244) |  | (0.0335) | (0.0351) | (0.0351) |  |  |  |
| Male | -0.116\*\* | -0.108\*\* | -0.106\*\* |  | -0.0989 | -0.0869 | -0.0813 |  |  |  |
|  | (0.0482) | (0.0489) | (0.0489) |  | (0.0705) | (0.0726) | (0.0723) |  |  |  |
| Birth Weight | -0.0124 | -0.00791 | -0.00802 |  | -0.0340 | -0.0271 | -0.0284 | -0.101 | -0.0914 | -0.0903 |
|  | (0.0409) | (0.0411) | (0.0411) |  | (0.0571) | (0.0574) | (0.0571) | (0.0867) | (0.0857) | (0.0851) |
| Early Disease | 0.0513 | 0.0295 | 0.0291 |  | 0.139 | 0.118 | 0.120 | -0.214 | -0.230 | -0.251 |
|  | (0.181) | (0.184) | (0.184) |  | (0.280) | (0.280) | (0.281) | (0.399) | (0.396) | (0.395) |
| Log(Income) |  | 0.0138 | 0.0165 |  |  | -0.00613 | 0.00375 |  | -0.0299 | -0.0467 |
|  |  | (0.0321) | (0.0328) |  |  | (0.0480) | (0.0489) |  | (0.0658) | (0.0656) |
| Married |  | -0.00333 | -0.00266 |  |  | 0.0347 | 0.0409 |  | 0.0789 | 0.0634 |
|  |  | (0.0559) | (0.0559) |  |  | (0.0801) | (0.0805) |  | (0.104) | (0.103) |
| Health |  | -0.079\*\*\* | -0.079\*\*\* |  |  | -0.0596 | -0.0571 |  | 0.0318 | 0.0306 |
|  |  | (0.0300) | (0.0300) |  |  | (0.0442) | (0.0441) |  | (0.0632) | (0.0635) |
| Working overtime |  |  | -0.0238 |  |  |  | -0.0997 |  |  | 0.145 |
|  |  |  | (0.0464) |  |  |  | (0.0665) |  |  | (0.0892) |
| 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 | 0.007 | 0.011 |
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| **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) |
| Sports | 0.0111 | 0.0142 | 0.0123 | -0.00804 | -0.00769 | -0.0124 | 0.0111 | -0.0704\* | -0.0765\*\* | -0.0765\*\* |
|  | (0.0165) | (0.0164) | (0.0165) | (0.0237) | (0.0239) | (0.0239) | (0.0165) | (0.0360) | (0.0360) | (0.0361) |
| Age/10 | -0.311\* | -0.321 | -0.337\* | -0.553\*\* | -0.547\* | -0.604\*\* | -0.311\* |  |  |  |
|  | (0.182) | (0.198) | (0.198) | (0.263) | (0.286) | (0.287) | (0.182) |  |  |  |
| Age2/100 | 0.0334 | 0.0334 | 0.0346 | 0.0613\* | 0.0606\* | 0.0656\* | 0.0334 |  |  |  |
|  | (0.0243) | (0.0256) | (0.0256) | (0.0350) | (0.0367) | (0.0368) | (0.0243) |  |  |  |
| Male | -0.0991\*\* | -0.0918\* | -0.0878\* | -0.0440 | -0.0437 | -0.0335 | -0.0991\*\* |  |  |  |
|  | (0.0505) | (0.0516) | (0.0516) | (0.0722) | (0.0749) | (0.0746) | (0.0505) |  |  |  |
| Birth Weight | -0.0504 | -0.0466 | -0.0469 | -0.0579 | -0.0575 | -0.0599 | -0.0504 | -0.138 | -0.141 | -0.141 |
|  | (0.0413) | (0.0413) | (0.0413) | (0.0542) | (0.0545) | (0.0538) | (0.0413) | (0.0909) | (0.0906) | (0.0907) |
| Early Disease | 0.0919 | 0.0733 | 0.0719 | 0.192 | 0.191 | 0.194 | 0.0919 | -0.0275 | -0.0153 | -0.0160 |
|  | (0.198) | (0.199) | (0.201) | (0.313) | (0.313) | (0.317) | (0.198) | (0.320) | (0.311) | (0.310) |
| Log(Income) |  | 0.00308 | 0.0118 |  | 0.000294 | 0.0185 |  |  | -0.0211 | -0.0217 |
|  |  | (0.0319) | (0.0323) |  | (0.0461) | (0.0465) |  |  | (0.0710) | (0.0719) |
| Married |  | -0.00675 | -0.00461 |  | -0.00572 | 0.00568 |  |  | 0.0330 | 0.0324 |
|  |  | (0.0594) | (0.0596) |  | (0.0901) | (0.0911) |  |  | (0.104) | (0.104) |
| Health |  | -0.0574\* | -0.0565\* |  | -0.00500 | -0.000319 |  |  | 0.100\* | 0.100\* |
|  |  | (0.0312) | (0.0312) |  | (0.0454) | (0.0450) |  |  | (0.0609) | (0.0609) |
| Working overtime |  |  | -0.0772 |  |  | -0.183\*\*\* |  |  |  | 0.00533 |
|  |  |  | (0.0469) |  |  | (0.0677) |  |  |  | (0.0872) |
| 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 | 0.011 | 0.016 | 0.016 |
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| **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) |
| Sports | -0.0196 | -0.0185 | -0.0179 |  | -0.054\*\*\* | -0.051\*\*\* | -0.0495\*\*\* | -0.0217 | -0.0246 | -0.0247 |
|  | (0.0130) | (0.0131) | (0.0131) |  | (0.0166) | (0.0170) | (0.0170) | (0.0226) | (0.0229) | (0.0230) |
| Age/10 | -0.292\*\* | -0.184 | -0.179 |  | -0.370\* | -0.277 | -0.262 |  |  |  |
|  | (0.141) | (0.158) | (0.158) |  | (0.190) | (0.210) | (0.213) |  |  |  |
| Age2/100 | 0.0289 | 0.0169 | 0.0165 |  | 0.0366 | 0.0259 | 0.0245 |  |  |  |
|  | (0.0189) | (0.0203) | (0.0203) |  | (0.0248) | (0.0265) | (0.0267) |  |  |  |
| Male | -0.0986\*\* | -0.0935\*\* | -0.0947\*\* |  | -0.0959\* | -0.0858 | -0.0887 |  |  |  |
|  | (0.0403) | (0.0408) | (0.0408) |  | (0.0538) | (0.0544) | (0.0542) |  |  |  |
| Birth Weight | -0.0402 | -0.0358 | -0.0357 |  | -0.0381 | -0.0321 | -0.0314 | 0.00367 | -0.00363 | -0.00346 |
|  | (0.0333) | (0.0329) | (0.0329) |  | (0.0416) | (0.0409) | (0.0408) | (0.100) | (0.101) | (0.101) |
| Early Disease | 0.108 | 0.0902 | 0.0907 |  | -0.0890 | -0.103 | -0.104 | -0.215 | -0.194 | -0.197 |
|  | (0.145) | (0.145) | (0.145) |  | (0.159) | (0.159) | (0.161) | (0.272) | (0.277) | (0.277) |
| Log(Income) |  | -0.0320 | -0.0347 |  |  | -0.0362 | -0.0412 |  | -0.0233 | -0.0259 |
|  |  | (0.0254) | (0.0258) |  |  | (0.0344) | (0.0350) |  | (0.0489) | (0.0496) |
| Married |  | -0.0845\* | -0.0852\* |  |  | -0.0737 | -0.0769 |  | -0.0561 | -0.0585 |
|  |  | (0.0508) | (0.0508) |  |  | (0.0712) | (0.0716) |  | (0.0850) | (0.0848) |
| Health |  | -0.0271 | -0.0274 |  |  | -0.0354 | -0.0367 |  | 0.0590 | 0.0588 |
|  |  | (0.0247) | (0.0247) |  |  | (0.0348) | (0.0348) |  | (0.0501) | (0.0501) |
| Working overtime |  |  | 0.0235 |  |  |  | 0.0511 |  |  | 0.0230 |
|  |  |  | (0.0382) |  |  |  | (0.0535) |  |  | (0.0713) |
| 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 | 0.020 |  | 0.034 | 0.037 | 0.038 | 0.002 | 0.006 | 0.006 |
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| **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) |
| Sports | -0.0204 | -0.0188 | -0.0168 |  | -0.052\*\*\* | -0.0509\*\*\* | -0.0489\*\* | -0.0095 | -0.0145 | -0.0145 |
|  | (0.0145) | (0.0146) | (0.0146) |  | (0.0191) | (0.0196) | (0.0196) | (0.0248) | (0.0257) | (0.0258) |
| Age/10 | -0.288\* | -0.313\* | -0.295 |  | -0.392\* | -0.389 | -0.366 |  |  |  |
|  | (0.167) | (0.183) | (0.184) |  | (0.233) | (0.254) | (0.256) |  |  |  |
| Age2/100 | 0.0264 | 0.0287 | 0.0273 |  | 0.0403 | 0.0397 | 0.0376 |  |  |  |
|  | (0.0223) | (0.0237) | (0.0236) |  | (0.0304) | (0.0321) | (0.0323) |  |  |  |
| Male | -0.166\*\*\* | -0.160\*\*\* | -0.165\*\*\* |  | -0.110\* | -0.106 | -0.110\* |  |  |  |
|  | (0.0485) | (0.0488) | (0.0488) |  | (0.0652) | (0.0664) | (0.0663) | -0.0615 | -0.0762 | -0.0762 |
| Birth Weight | -0.0800\*\* | -0.0778\*\* | -0.0773\*\* |  | -0.0431 | -0.0412 | -0.0402 | (0.0721) | (0.0743) | (0.0744) |
|  | (0.0379) | (0.0379) | (0.0378) |  | (0.0478) | (0.0476) | (0.0474) | 0.202 | 0.232 | 0.231 |
| Early Disease | 0.232 | 0.221 | 0.223 |  | 0.109 | 0.104 | 0.102 | (0.239) | (0.247) | (0.248) |
|  | (0.192) | (0.194) | (0.193) |  | (0.205) | (0.204) | (0.207) |  | 0.0334 | 0.0326 |
| Log(Income) |  | -0.00845 | -0.0180 |  |  | -0.00760 | -0.0152 |  | (0.0529) | (0.0546) |
|  |  | (0.0289) | (0.0294) |  |  | (0.0404) | (0.0409) |  | -0.00870 | -0.00944 |
| Married |  | 0.0184 | 0.0162 |  |  | -0.00298 | -0.00773 |  | (0.0849) | (0.0855) |
|  |  | (0.0566) | (0.0566) |  |  | (0.0782) | (0.0786) |  | 0.0852 | 0.0852 |
| Health |  | -0.0202 | -0.0213 |  |  | -0.0130 | -0.0149 |  | (0.0520) | (0.0521) |
|  |  | (0.0275) | (0.0275) |  |  | (0.0395) | (0.0395) |  |  | 0.00702 |
| Working overtime |  |  | 0.0843\* |  |  |  | 0.0763 |  |  | (0.0654) |
|  |  |  | (0.0438) |  |  |  | (0.0604) |  |  | (0.0650) |
| 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 |  | 0.039 | 0.039 | 0.040 | 0.002 | 0.008 | 0.008 |
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| **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) | |
| Sports | -0.0300\*\* | -0.0292\*\* | -0.028\*\* |  | -0.055\*\*\* | -0.0508\*\*\* | -0.049\*\*\* | -0.0711\*\*\* | -0.0732\*\*\* | -0.0733\*\*\* |
|  | (0.0136) | (0.0137) | (0.0137) |  | (0.0187) | (0.0190) | (0.0189) | (0.0260) | (0.0258) | (0.0258) |
| Age/10 | -0.380\*\* | -0.270 | -0.257 |  | -0.407\* | -0.263 | -0.251 |  |  |  |
|  | (0.157) | (0.177) | (0.178) |  | (0.212) | (0.239) | (0.240) |  |  |  |
| Age2/100 | 0.0293 | 0.0171 | 0.0161 |  | 0.0353 | 0.0193 | 0.0183 |  |  |  |
|  | (0.0209) | (0.0227) | (0.0227) |  | (0.0278) | (0.0301) | (0.0303) |  |  |  |
| Male | -0.0509 | -0.0459 | -0.0492 |  | -0.0562 | -0.0459 | -0.0480 |  |  |  |
|  | (0.0439) | (0.0447) | (0.0447) |  | (0.0590) | (0.0603) | (0.0602) |  |  |  |
| Birth Weight | -0.0407 | -0.0365 | -0.0362 |  | -0.0479 | -0.0416 | -0.0411 | 0.0659 | 0.0480 | 0.0482 |
|  | (0.0373) | (0.0369) | (0.0369) |  | (0.0487) | (0.0479) | (0.0479) | (0.0952) | (0.0961) | (0.0964) |
| Early Disease | -0.0714 | -0.0881 | -0.0869 |  | -0.347\*\*\* | -0.361\*\*\* | -0.361\*\*\* | -0.657\*\* | -0.603\*\* | -0.606\*\* |
|  | (0.152) | (0.151) | (0.152) |  | (0.119) | (0.125) | (0.126) | (0.259) | (0.263) | (0.262) |
| Log(Income) |  | -0.0357 | -0.0431 |  |  | -0.0476 | -0.0513 |  | -0.0739 | -0.0763 |
|  |  | (0.0267) | (0.0274) |  |  | (0.0382) | (0.0393) |  | (0.0589) | (0.0598) |
| Married |  | -0.0839 | -0.0858 |  |  | -0.113 | -0.115 |  | -0.235\*\* | -0.238\*\* |
|  |  | (0.0602) | (0.0601) |  |  | (0.0826) | (0.0828) |  | (0.104) | (0.104) |
| Health |  | -0.0209 | -0.0217 |  |  | -0.0319 | -0.0329 |  | 0.0744 | 0.0743 |
|  |  | (0.0267) | (0.0267) |  |  | (0.0376) | (0.0375) |  | (0.0567) | (0.0567) |
| Working overtime |  |  | 0.0661 |  |  |  | 0.0373 |  |  | 0.0205 |
|  |  |  | (0.0436) |  |  |  | (0.0591) |  |  | (0.0746) |
| 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 | 0.042 | 0.044 | 0.045 |  | 0.048 | 0.052 | 0.053 | 0.019 | 0.034 | 0.034 | |
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| **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) |
| Sports | -0.0257\* | -0.0239\* | -0.0248\* |  | -0.0510\*\*\* | -0.0523\*\*\* | -0.0537\*\*\* | -0.0255 | -0.0231 | -0.0229 |
|  | (0.0135) | (0.0136) | (0.0136) |  | (0.0184) | (0.0187) | (0.0186) | (0.0265) | (0.0271) | (0.0273) |
| Age/10 | -0.365\*\* | -0.302\* | -0.309\* |  | -0.526\*\* | -0.333 | -0.350 |  |  |  |
|  | (0.153) | (0.172) | (0.172) |  | (0.209) | (0.234) | (0.234) |  |  |  |
| Age2/100 | 0.0310 | 0.0235 | 0.0241 |  | 0.0529\* | 0.0326 | 0.0341 |  |  |  |
|  | (0.0203) | (0.0220) | (0.0220) |  | (0.0273) | (0.0294) | (0.0295) |  |  |  |
| Male | -0.0645 | -0.0620 | -0.0601 |  | -0.0118 | -0.0264 | -0.0234 |  |  |  |
|  | (0.0441) | (0.0448) | (0.0449) |  | (0.0610) | (0.0623) | (0.0624) |  |  |  |
| Birth Weight | -0.0521 | -0.0491 | -0.0493 |  | -0.0289 | -0.0302 | -0.0309 | -0.0132 | -0.0283 | -0.0285 |
|  | (0.0355) | (0.0355) | (0.0356) |  | (0.0434) | (0.0437) | (0.0439) | (0.103) | (0.105) | (0.105) |
| Early Disease | 0.0760 | 0.0636 | 0.0629 |  | -0.0885 | -0.0670 | -0.0661 | -0.215 | -0.185 | -0.180 |
|  | (0.146) | (0.145) | (0.145) |  | (0.158) | (0.159) | (0.157) | (0.273) | (0.262) | (0.260) |
| Log(Income) |  | 0.000919 | 0.00523 |  |  | 0.0229 | 0.0283 |  | 0.0224 | 0.0265 |
|  |  | (0.0291) | (0.0296) |  |  | (0.0416) | (0.0423) |  | (0.0629) | (0.0639) |
| Married |  | -0.0621 | -0.0610 |  |  | -0.165\*\* | -0.162\*\* |  | -0.136\* | -0.132 |
|  |  | (0.0569) | (0.0570) |  |  | (0.0780) | (0.0781) |  | (0.0811) | (0.0814) |
| Health |  | -0.0451\* | -0.0447\* |  |  | -0.0152 | -0.0138 |  | -0.0209 | -0.0206 |
|  |  | (0.0263) | (0.0263) |  |  | (0.0366) | (0.0366) |  | (0.0514) | (0.0515) |
| Working overtime |  |  | -0.0383 |  |  |  | -0.0549 |  |  | -0.0360 |
|  |  |  | (0.0413) |  |  |  | (0.0564) |  |  | (0.0724) |
| 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 | 0.032 | 0.034 | 0.034 |  | 0.053 | 0.057 | 0.058 | 0.002 | 0.006 | 0.007 |
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| **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) |
| Sports | -0.0266\* | -0.0241\* | -0.0236\* |  | -0.041\*\* | -0.0398\*\* | -0.0393\*\* | -0.0290 | -0.0289 | -0.0291 |
|  | (0.0138) | (0.0139) | (0.0139) |  | (0.0183) | (0.0185) | (0.0185) | (0.0254) | (0.0259) | (0.0259) |
| Age/10 | -0.283\* | -0.267 | -0.263 |  | -0.382\* | -0.313 | -0.308 |  |  |  |
|  | (0.159) | (0.177) | (0.178) |  | (0.203) | (0.232) | (0.234) |  |  |  |
| Age2/100 | 0.0240 | 0.0213 | 0.0210 |  | 0.0352 | 0.0277 | 0.0273 |  |  |  |
|  | (0.0209) | (0.0224) | (0.0224) |  | (0.0261) | (0.0285) | (0.0287) |  |  |  |
| Male | -0.0660 | -0.0505 | -0.0513 |  | 0.0211 | 0.0281 | 0.0272 |  |  |  |
|  | (0.0452) | (0.0460) | (0.0461) |  | (0.0598) | (0.0608) | (0.0609) |  |  |  |
| Birth Weight | -0.0526 | -0.0459 | -0.0458 |  | -0.0473 | -0.0444 | -0.0442 | 0.134 | 0.128 | 0.129 |
|  | (0.0364) | (0.0361) | (0.0361) |  | (0.0443) | (0.0442) | (0.0443) | (0.0867) | (0.0858) | (0.0859) |
| Early Disease | 0.0756 | 0.0462 | 0.0466 |  | -0.0838 | -0.0927 | -0.0930 | -0.105 | -0.0838 | -0.0903 |
|  | (0.157) | (0.158) | (0.158) |  | (0.166) | (0.167) | (0.168) | (0.200) | (0.195) | (0.197) |
| Log(Income) |  | -0.0611\*\* | -0.0632\*\* |  |  | -0.0350 | -0.0366 |  | -0.0539 | -0.0592 |
|  |  | (0.0284) | (0.0288) |  |  | (0.0401) | (0.0409) |  | (0.0674) | (0.0687) |
| Married |  | -0.00101 | -0.00149 |  |  | -0.0492 | -0.0502 |  | -0.129\* | -0.134\* |
|  |  | (0.0569) | (0.0569) |  |  | (0.0796) | (0.0799) |  | (0.0775) | (0.0783) |
| Health |  | -0.0205 | -0.0207 |  |  | -0.00449 | -0.00490 |  | 0.0191 | 0.0187 |
|  |  | (0.0265) | (0.0264) |  |  | (0.0374) | (0.0373) |  | (0.0554) | (0.0552) |
| Working overtime |  |  | 0.0181 |  |  |  | 0.0161 |  |  | 0.0456 |
|  |  |  | (0.0427) |  |  |  | (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 |  | 0.059 | 0.060 | 0.060 | 0.006 | 0.012 | 0.012 |
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| **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) |
| Sports | -0.0279 | -0.0178 | -0.0188 |  | -0.0794\* | -0.0576 | -0.0558 | -0.0316 | -0.0146 | -0.0157 |
|  | (0.0302) | (0.0303) | (0.0304) |  | (0.0439) | (0.0440) | (0.0441) | (0.0690) | (0.0678) | (0.0680) |
| Age/10 | 0.555\* | 0.618\* | 0.610\* |  | 0.506 | 0.596 | 0.618 |  |  |  |
|  | (0.301) | (0.328) | (0.329) |  | (0.447) | (0.481) | (0.483) |  |  |  |
| Age2/100 | -0.0260 | -0.0363 | -0.0356 |  | -0.00905 | -0.0243 | -0.0262 |  |  |  |
|  | (0.0402) | (0.0423) | (0.0423) |  | (0.0588) | (0.0612) | (0.0614) |  |  |  |
| Male | -0.215\*\* | -0.204\*\* | -0.202\*\* |  | -0.221\* | -0.220\* | -0.224\* |  |  |  |
|  | (0.0905) | (0.0910) | (0.0911) |  | (0.132) | (0.132) | (0.132) |  |  |  |
| Birth Weight | -0.00370 | 0.00647 | 0.00630 |  | 0.0459 | 0.0685 | 0.0694 | 0.136 | 0.0950 | 0.0963 |
|  | (0.0651) | (0.0653) | (0.0653) |  | (0.0924) | (0.0933) | (0.0935) | (0.164) | (0.174) | (0.174) |
| Early Disease | -0.628 | -0.677\* | -0.678\* |  | -1.125\*\* | -1.143\*\* | -1.144\*\* | -0.773 | -0.714 | -0.740 |
|  | (0.385) | (0.382) | (0.382) |  | (0.517) | (0.498) | (0.498) | (0.845) | (0.825) | (0.824) |
| Log(Income) |  | 0.0619 | 0.0666 |  |  | 0.126 | 0.119 |  | 0.170 | 0.150 |
|  |  | (0.0605) | (0.0616) |  |  | (0.0847) | (0.0864) |  | (0.112) | (0.112) |
| Married |  | -0.121 | -0.120 |  |  | -0.154 | -0.158 |  | -0.365\*\* | -0.384\*\* |
|  |  | (0.103) | (0.103) |  |  | (0.149) | (0.150) |  | (0.163) | (0.164) |
| Health |  | -0.224\*\*\* | -0.224\*\*\* |  |  | -0.326\*\*\* | -0.328\*\*\* |  | -0.243\*\* | -0.244\*\* |
|  |  | (0.0533) | (0.0533) |  |  | (0.0770) | (0.0768) |  | (0.117) | (0.117) |
| Working overtime |  |  | -0.0421 |  |  |  | 0.0702 |  |  | 0.181 |
|  |  |  | (0.0846) |  |  |  | (0.126) |  |  | (0.148) |
| 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 | 0.073 | 0.091 | 0.091 | 0.005 | 0.024 | 0.026 | 0.034 |

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| **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) |
| Sports | -0.0849\*\*\* | -0.0704\*\* | -0.0700\*\* |  | -0.169\*\*\* | -0.151\*\*\* | -0.154\*\*\* | 0.0466 | 0.0459 | 0.0453 |
|  | (0.0298) | (0.0300) | (0.0301) |  | (0.0410) | (0.0417) | (0.0419) | (0.0601) | (0.0602) | (0.0604) |
| Age/10 | 0.894\*\*\* | 0.491 | 0.495 |  | 1.065\*\* | 0.741 | 0.716 |  |  |  |
|  | (0.324) | (0.355) | (0.355) |  | (0.493) | (0.542) | (0.544) |  |  |  |
| Age2/100 | 0.0151 | 0.0538 | 0.0535 |  | 0.00507 | 0.0359 | 0.0381 |  |  |  |
|  | (0.0439) | (0.0463) | (0.0463) |  | (0.0671) | (0.0710) | (0.0712) |  |  |  |
| Male | -0.324\*\*\* | -0.250\*\* | -0.251\*\* |  | -0.416\*\*\* | -0.331\*\* | -0.327\*\* |  |  |  |
|  | (0.0970) | (0.0976) | (0.0979) |  | (0.137) | (0.138) | (0.138) |  |  |  |
| Birth Weight | -0.0941 | -0.0707 | -0.0706 |  | -0.0322 | -0.00450 | -0.00557 | -0.0480 | 0.00177 | 0.00237 |
|  | (0.0741) | (0.0736) | (0.0736) |  | (0.106) | (0.105) | (0.105) | (0.180) | (0.186) | (0.186) |
| Early Disease | 0.765\*\*\* | 0.649\*\* | 0.650\*\* |  | 0.610 | 0.484 | 0.485 | -0.296 | -0.386 | -0.398 |
|  | (0.292) | (0.293) | (0.293) |  | (0.434) | (0.436) | (0.438) | (0.539) | (0.536) | (0.545) |
| Log(Income) |  | -0.180\*\*\* | -0.182\*\*\* |  |  | -0.195\*\* | -0.187\*\* |  | -0.138 | -0.147 |
|  |  | (0.0638) | (0.0644) |  |  | (0.0882) | (0.0895) |  | (0.110) | (0.111) |
| Married |  | 0.344\*\*\* | 0.343\*\*\* |  |  | 0.290\* | 0.296\* |  | 0.254 | 0.246 |
|  |  | (0.116) | (0.117) |  |  | (0.172) | (0.172) |  | (0.188) | (0.190) |
| Health |  | -0.103\* | -0.103\* |  |  | -0.0994 | -0.0973 |  | -0.0187 | -0.0194 |
|  |  | (0.0594) | (0.0594) |  |  | (0.0848) | (0.0850) |  | (0.121) | (0.121) |
| Working overtime |  |  | 0.0190 |  |  |  | -0.0817 |  |  | 0.0810 |
|  |  |  | (0.0897) |  |  |  | (0.129) |  |  | (0.138) |
| 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 | 0.243 | 0.251 | 0.251 |  | 0.270 | 0.276 | 0.277 | 0.002 | 0.007 | 0.007 |
|  | | | | | | | | | | |