|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **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) |
| Education level | 0.0257 | 0.0144 | 0.0173 |  | 0.0391 | 0.0168 | 0.0216 | 0.0877\* | 0.0862\* | 0.0852\* |
|  | (0.0172) | (0.0181) | (0.0182) |  | (0.0245) | (0.0262) | (0.0263) | (0.0486) | (0.0510) | (0.0510) |
| Age/10 | -0.0778 | -0.359\*\* | -0.351\*\* |  | -0.158 | -0.476\*\* | -0.458\*\* |  |  |  |
|  | (0.127) | (0.143) | (0.143) |  | (0.179) | (0.204) | (0.204) |  |  |  |
| Age2/100 | 0.0208 | 0.0524\*\*\* | 0.0521\*\*\* |  | 0.0374 | 0.0715\*\*\* | 0.0704\*\*\* |  |  |  |
|  | (0.0172) | (0.0184) | (0.0184) |  | (0.0240) | (0.0259) | (0.0258) |  |  |  |
| Male | 0.148\*\*\* | 0.133\*\*\* | 0.131\*\*\* |  | 0.173\*\*\* | 0.157\*\*\* | 0.153\*\*\* |  |  |  |
|  | (0.0372) | (0.0374) | (0.0373) |  | (0.0529) | (0.0539) | (0.0537) |  |  |  |
| Birth Weight | 0.00861 | -0.00365 | -0.00373 |  | -0.0181 | -0.0327 | -0.0318 | -0.0628 | -0.0483 | -0.0488 |
|  | (0.0283) | (0.0277) | (0.0276) |  | (0.0389) | (0.0376) | (0.0377) | (0.0710) | (0.0708) | (0.0704) |
| Early Disease | -0.187 | -0.136 | -0.135 |  | -0.0162 | -0.00227 | -0.00211 | -0.107 | -0.131 | -0.124 |
|  | (0.148) | (0.142) | (0.142) |  | (0.223) | (0.219) | (0.219) | (0.222) | (0.227) | (0.225) |
| Log(Income) |  | 0.0524\* | 0.0462\* |  |  | 0.0656 | 0.0562 |  | -0.00522 | 0.00154 |
|  |  | (0.0271) | (0.0278) |  |  | (0.0411) | (0.0420) |  | (0.0578) | (0.0588) |
| Married |  | 0.248\*\*\* | 0.247\*\*\* |  |  | 0.287\*\*\* | 0.282\*\*\* |  | 0.195\*\* | 0.201\*\* |
|  |  | (0.0475) | (0.0476) |  |  | (0.0723) | (0.0720) |  | (0.0885) | (0.0887) |
| Health |  | 0.129\*\*\* | 0.128\*\*\* |  |  | 0.116\*\*\* | 0.115\*\*\* |  | 0.0672 | 0.0678 |
|  |  | (0.0235) | (0.0235) |  |  | (0.0324) | (0.0323) |  | (0.0448) | (0.0448) |
| Working overtime |  |  | 0.0442 |  |  |  | 0.0728 |  |  | -0.0573 |
|  |  |  | (0.0353) |  |  |  | (0.0503) |  |  | (0.0703) |
| 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 | 0.047 | 0.048 |  | 0.033 | 0.064 | 0.066 | 0.006 | 0.017 | 0.018 |
|  | | | | | | | | | | |

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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) |
| Education level | -0.00117 | -0.00176 | -0.000274 |  | 0.00373 | 0.00312 | 0.00364 | 0.0869\* | 0.0867\* | 0.0836\* |
|  | (0.0168) | (0.0178) | (0.0178) |  | (0.0234) | (0.0254) | (0.0254) | (0.0462) | (0.0465) | (0.0464) |
| Age/10 | 0.212\* | 0.176 | 0.180 |  | 0.147 | 0.0925 | 0.0945 |  |  |  |
|  | (0.125) | (0.137) | (0.137) |  | (0.180) | (0.195) | (0.196) |  |  |  |
| Age2/100 | -0.0147 | -0.00969 | -0.00985 |  | -5.86e-05 | 0.00668 | 0.00655 |  |  |  |
|  | (0.0167) | (0.0175) | (0.0175) |  | (0.0237) | (0.0248) | (0.0249) |  |  |  |
| Male | 0.0401 | 0.0316 | 0.0307 |  | 0.0617 | 0.0579 | 0.0575 |  |  |  |
|  | (0.0354) | (0.0359) | (0.0359) |  | (0.0507) | (0.0522) | (0.0523) |  |  |  |
| Birth Weight | 0.00489 | -0.000744 | -0.000784 |  | -0.00313 | -0.00988 | -0.00978 | -0.0925 | -0.0916 | -0.0933 |
|  | (0.0285) | (0.0283) | (0.0283) |  | (0.0402) | (0.0398) | (0.0399) | (0.0653) | (0.0652) | (0.0641) |
| Early Disease | -0.217\* | -0.189 | -0.189 |  | 0.0171 | 0.0267 | 0.0267 | 0.164 | 0.168 | 0.193 |
|  | (0.125) | (0.125) | (0.125) |  | (0.180) | (0.175) | (0.176) | (0.280) | (0.278) | (0.260) |
| Log(Income) |  | -0.000668 | -0.00384 |  |  | -0.00925 | -0.0103 |  | -0.00348 | 0.0183 |
|  |  | (0.0251) | (0.0255) |  |  | (0.0367) | (0.0370) |  | (0.0445) | (0.0450) |
| Married |  | 0.0538 | 0.0533 |  |  | 0.0701 | 0.0696 |  | 0.0507 | 0.0705 |
|  |  | (0.0438) | (0.0438) |  |  | (0.0613) | (0.0614) |  | (0.0617) | (0.0602) |
| Health |  | 0.0824\*\*\* | 0.0823\*\*\* |  |  | 0.0827\*\*\* | 0.0826\*\*\* |  | 0.0561 | 0.0579 |
|  |  | (0.0219) | (0.0219) |  |  | (0.0301) | (0.0302) |  | (0.0373) | (0.0373) |
| Working overtime |  |  | 0.0225 |  |  |  | 0.00808 |  |  | -0.185\*\*\* |
|  |  |  | (0.0334) |  |  |  | (0.0487) |  |  | (0.0589) |
| 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 | 0.028 | 0.028 |  | 0.036 | 0.044 | 0.044 | 0.009 | 0.013 | 0.027 |

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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) |
| Education level | 0.0593\*\*\* | 0.0352\*\* | 0.0327\*\* |  | 0.0761\*\*\* | 0.0468\*\* | 0.0431\* | -0.0059 | -0.0209 | -0.0219 |
|  | (0.0161) | (0.0166) | (0.0166) |  | (0.0214) | (0.0226) | (0.0227) | (0.0420) | (0.0437) | (0.0439) |
| Age/10 | -0.119 | -0.299\*\* | -0.305\*\* |  | -0.227 | -0.295\* | -0.309\* |  |  |  |
|  | (0.116) | (0.126) | (0.126) |  | (0.157) | (0.175) | (0.175) |  |  |  |
| Age2/100 | 0.0127 | 0.0333\*\* | 0.0335\*\* |  | 0.0299 | 0.0375\* | 0.0384\* |  |  |  |
|  | (0.0158) | (0.0165) | (0.0166) |  | (0.0213) | (0.0226) | (0.0227) |  |  |  |
| Male | -0.102\*\*\* | -0.131\*\*\* | -0.130\*\*\* |  | -0.0940\*\* | -0.132\*\*\* | -0.129\*\*\* |  |  |  |
|  | (0.0325) | (0.0327) | (0.0327) |  | (0.0448) | (0.0453) | (0.0452) | 0.0114 | -0.00685 | -0.00739 |
| Birth Weight | -0.00332 | -0.0184 | -0.0183 |  | 0.0375 | 0.0194 | 0.0186 | (0.0706) | (0.0664) | (0.0661) |
|  | (0.0269) | (0.0265) | (0.0264) |  | (0.0347) | (0.0329) | (0.0329) | -0.0028 | 0.0331 | 0.0411 |
| Early Disease | 0.0856 | 0.150 | 0.150 |  | 0.196 | 0.239\* | 0.239\* | (0.232) | (0.242) | (0.241) |
|  | (0.101) | (0.0939) | (0.0941) |  | (0.138) | (0.140) | (0.140) |  | 0.0955\*\* | 0.102\*\* |
| Log(Income) |  | 0.101\*\*\* | 0.106\*\*\* |  |  | 0.0988\*\*\* | 0.106\*\*\* |  | (0.0484) | (0.0483) |
|  |  | (0.0218) | (0.0222) |  |  | (0.0298) | (0.0303) |  | 0.0963 | 0.103 |
| Married |  | 0.153\*\*\* | 0.154\*\*\* |  |  | 0.0833 | 0.0873 |  | (0.0716) | (0.0724) |
|  |  | (0.0415) | (0.0416) |  |  | (0.0608) | (0.0608) |  | 0.136\*\*\* | 0.137\*\*\* |
| Health |  | 0.112\*\*\* | 0.112\*\*\* |  |  | 0.114\*\*\* | 0.115\*\*\* |  | (0.0376) | (0.0375) |
|  |  | (0.0200) | (0.0200) |  |  | (0.0272) | (0.0272) |  |  | -0.0587 |
| Working overtime |  |  | -0.0378 |  |  |  | -0.0571 |  |  | (0.0556) |
|  |  |  | (0.0306) |  |  |  | (0.0419) |  |  | (0.0555) |
| 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 | 0.053 | 0.054 |  | 0.030 | 0.059 | 0.060 | 0.000 | 0.029 | 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) |
| Education level | 0.00683 | 0.0102 | 0.0120 |  | 0.00979 | 0.00610 | 0.00543 | 0.00191 | 0.00441 | 0.00399 |
|  | (0.0166) | (0.0178) | (0.0178) |  | (0.0237) | (0.0257) | (0.0257) | (0.0422) | (0.0428) | (0.0429) |
| Age/10 | -0.118 | -0.0924 | -0.0880 |  | -0.208 | -0.222 | -0.225 |  |  |  |
|  | (0.129) | (0.143) | (0.143) |  | (0.190) | (0.209) | (0.209) |  |  |  |
| Age2/100 | 0.0244 | 0.0231 | 0.0229 |  | 0.0362 | 0.0390 | 0.0391 |  |  |  |
|  | (0.0176) | (0.0188) | (0.0188) |  | (0.0259) | (0.0275) | (0.0275) |  |  |  |
| Male | -0.0758\*\* | -0.0840\*\* | -0.0850\*\* |  | -0.0824 | -0.0942\* | -0.0937\* |  |  |  |
|  | (0.0368) | (0.0373) | (0.0373) |  | (0.0533) | (0.0545) | (0.0544) |  |  |  |
| Birth Weight | 0.0103 | 0.00537 | 0.00532 |  | -0.0608 | -0.0715\* | -0.0716\* | -0.206\*\* | -0.210\*\* | -0.210\*\* |
|  | (0.0299) | (0.0294) | (0.0294) |  | (0.0409) | (0.0391) | (0.0391) | (0.104) | (0.104) | (0.104) |
| Early Disease | -0.0751 | -0.0486 | -0.0480 |  | 0.228 | 0.250 | 0.250 | 0.363 | 0.385\* | 0.389\* |
|  | (0.141) | (0.139) | (0.139) |  | (0.193) | (0.186) | (0.187) | (0.222) | (0.209) | (0.211) |
| Log(Income) |  | -0.0204 | -0.0242 |  |  | -0.000441 | 0.000880 |  | -0.0233 | -0.0204 |
|  |  | (0.0244) | (0.0250) |  |  | (0.0356) | (0.0364) |  | (0.0522) | (0.0529) |
| Married |  | 0.0138 | 0.0132 |  |  | 0.0474 | 0.0481 |  | 0.0313 | 0.0340 |
|  |  | (0.0432) | (0.0432) |  |  | (0.0616) | (0.0614) |  | (0.0753) | (0.0758) |
| Health |  | 0.0920\*\*\* | 0.0919\*\*\* |  |  | 0.115\*\*\* | 0.115\*\*\* |  | 0.122\*\*\* | 0.122\*\*\* |
|  |  | (0.0225) | (0.0225) |  |  | (0.0330) | (0.0330) |  | (0.0451) | (0.0452) |
| Working overtime |  |  | 0.0268 |  |  |  | -0.0102 |  |  | -0.0254 |
|  |  |  | (0.0335) |  |  |  | (0.0476) |  |  | (0.0624) |
| 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 | 0.015 | 0.029 |  |
|  | | | | | | | | | | |

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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) |
| Education level | -0.00764 | -0.00610 | | -0.00353 |  | -0.00090 | -0.00211 | -0.00182 | 0.0855\* | 0.0828\* | 0.0829\* |
|  | (0.0168) | (0.0176) | | (0.0177) |  | (0.0237) | (0.0250) | (0.0250) | (0.0483) | (0.0483) | (0.0482) |
| Age/10 | 0.0426 | -0.106 | | -0.0994 |  | -0.123 | -0.297 | -0.296 |  |  |  |
|  | (0.126) | (0.141) | | (0.141) |  | (0.177) | (0.202) | (0.201) |  |  |  |
| Age2/100 | 0.00938 | 0.0270 | | 0.0268 |  | 0.0322 | 0.0524\*\* | 0.0523\*\* |  |  |  |
|  | (0.0171) | (0.0183) | | (0.0183) |  | (0.0236) | (0.0258) | (0.0258) |  |  |  |
| Male | -0.0857\*\* | -0.0932\*\* | | -0.0947\*\* |  | -0.0926\* | -0.0953\* | -0.0955\* |  |  |  |
|  | (0.0372) | (0.0373) | | (0.0373) |  | (0.0527) | (0.0537) | (0.0538) |  |  |  |
| Birth Weight | 0.00474 | -0.00346 | | -0.00353 |  | -0.0231 | -0.0349 | -0.0348 | -0.0267 | -0.0194 | -0.0193 |
|  | (0.0298) | (0.0295) | | (0.0295) |  | (0.0422) | (0.0419) | (0.0419) | (0.0689) | (0.0701) | (0.0702) |
| Early Disease | -0.141 | -0.102 | | -0.102 |  | 0.185 | 0.196 | 0.196 | 0.287 | 0.282 | 0.282 |
|  | (0.149) | (0.144) | | (0.144) |  | (0.206) | (0.200) | (0.200) | (0.293) | (0.280) | (0.280) |
| Log(Income) |  | -0.00694 | | -0.0124 |  |  | -0.0179 | -0.0185 |  | 0.00212 | 0.00173 |
|  |  | (0.0248) | | (0.0252) |  |  | (0.0363) | (0.0367) |  | (0.0554) | (0.0560) |
| Married |  | 0.158\*\*\* | | 0.158\*\*\* |  |  | 0.188\*\*\* | 0.187\*\*\* |  | 0.184\*\* | 0.184\*\* |
|  |  | (0.0460) | | (0.0460) |  |  | (0.0706) | (0.0707) |  | (0.0863) | (0.0863) |
| Health |  | 0.130\*\*\* | | 0.130\*\*\* |  |  | 0.149\*\*\* | 0.149\*\*\* |  | 0.124\*\*\* | 0.124\*\*\* |
|  |  | (0.0224) | | (0.0224) |  |  | (0.0312) | (0.0311) |  | (0.0475) | (0.0475) |
| Working overtime |  |  | | 0.0389 |  |  |  | 0.00446 |  |  | 0.00330 |
|  |  |  | | (0.0351) |  |  |  | (0.0507) |  |  | (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 | 0.028 | 0.047 | | 0.048 |  | 0.034 | 0.060 | 0.060 | 0.007 | 0.026 | 0.026 |
|  | | | | | | | | | | | |

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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) |
| Education level | -0.0183 | -0.00530 | -0.00740 |  | -0.0383 | -0.0193 | -0.0247 | -0.0728 | -0.0669 | -0.0667 |
|  | (0.0228) | (0.0237) | (0.0238) |  | (0.0344) | (0.0363) | (0.0364) | (0.0655) | (0.0650) | (0.0651) |
| Age/10 | -0.505\*\*\* | -0.445\*\* | -0.450\*\* |  | -0.586\*\* | -0.645\*\* | -0.665\*\* |  |  |  |
|  | (0.167) | (0.182) | (0.182) |  | (0.242) | (0.261) | (0.261) |  |  |  |
| Age2/100 | 0.0599\*\*\* | 0.0524\*\* | 0.0526\*\* |  | 0.0659\*\* | 0.0717\*\* | 0.0730\*\* |  |  |  |
|  | (0.0224) | (0.0236) | (0.0236) |  | (0.0318) | (0.0333) | (0.0333) |  |  |  |
| Male | -0.0287 | -0.00889 | -0.00759 |  | 0.0918 | 0.123\* | 0.127\* |  |  |  |
|  | (0.0487) | (0.0494) | (0.0494) |  | (0.0689) | (0.0703) | (0.0701) |  |  |  |
| Birth Weight | -0.0430 | -0.0330 | -0.0330 |  | -0.0490 | -0.0355 | -0.0365 | -0.167\* | -0.159\* | -0.159\* |
|  | (0.0401) | (0.0399) | (0.0399) |  | (0.0542) | (0.0542) | (0.0541) | (0.0917) | (0.0905) | (0.0906) |
| Early Disease | -0.0313 | -0.0743 | -0.0750 |  | -0.00166 | -0.0410 | -0.0412 | -0.0578 | -0.0701 | -0.0722 |
|  | (0.187) | (0.190) | (0.190) |  | (0.285) | (0.287) | (0.286) | (0.329) | (0.334) | (0.334) |
| Log(Income) |  | -0.0507 | -0.0462 |  |  | -0.0645 | -0.0540 |  | -0.0414 | -0.0433 |
|  |  | (0.0336) | (0.0346) |  |  | (0.0489) | (0.0502) |  | (0.0716) | (0.0732) |
| Married |  | -0.0620 | -0.0612 |  |  | 0.0248 | 0.0304 |  | 0.00446 | 0.00277 |
|  |  | (0.0570) | (0.0571) |  |  | (0.0838) | (0.0838) |  | (0.105) | (0.106) |
| Health |  | -0.084\*\*\* | -0.084\*\*\* |  |  | -0.0869\*\* | -0.0854\*\* |  | -0.0115 | -0.0116 |
|  |  | (0.0305) | (0.0305) |  |  | (0.0435) | (0.0434) |  | (0.0653) | (0.0654) |
| Working overtime |  |  | -0.0317 |  |  |  | -0.0818 |  |  | 0.0157 |
|  |  |  | (0.0466) |  |  |  | (0.0686) |  |  | (0.0935) |
| 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 |  | 0.031 | 0.038 | 0.039 | 0.006 | 0.007 | 0.007 |
|  | | | | | | | | | | |

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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) |
| Education level | 0.00280 | 0.0219 | 0.0193 |  | 0.0287 | 0.0513 | 0.0439 | 0.00153 | 0.00608 | 0.00516 |
|  | (0.0251) | (0.0264) | (0.0266) |  | (0.0378) | (0.0401) | (0.0403) | (0.0701) | (0.0700) | (0.0702) |
| Age/10 | -0.212 | -0.275 | -0.283 |  | -0.594\*\* | -0.686\*\* | -0.714\*\* |  |  |  |
|  | (0.187) | (0.203) | (0.203) |  | (0.275) | (0.300) | (0.301) |  |  |  |
| Age2/100 | 0.0170 | 0.0231 | 0.0235 |  | 0.0616\* | 0.0719\* | 0.0736\* |  |  |  |
|  | (0.0249) | (0.0261) | (0.0261) |  | (0.0360) | (0.0381) | (0.0381) |  |  |  |
| Male | -0.192\*\*\* | -0.165\*\*\* | -0.163\*\*\* |  | -0.107 | -0.0751 | -0.0696 |  |  |  |
|  | (0.0547) | (0.0556) | (0.0556) |  | (0.0787) | (0.0804) | (0.0804) |  |  |  |
| Birth Weight | -0.0645 | -0.0551 | -0.0551 |  | -0.0495 | -0.0405 | -0.0419 | -0.164 | -0.154 | -0.155 |
|  | (0.0439) | (0.0437) | (0.0437) |  | (0.0613) | (0.0612) | (0.0609) | (0.101) | (0.0992) | (0.0994) |
| Early Disease | 0.133 | 0.0940 | 0.0935 |  | 0.124 | 0.0897 | 0.0895 | 0.290 | 0.278 | 0.286 |
|  | (0.207) | (0.209) | (0.209) |  | (0.312) | (0.310) | (0.308) | (0.187) | (0.191) | (0.191) |
| Log(Income) |  | -0.0722\*\* | -0.0667\* |  |  | -0.0882\* | -0.0737 |  | -0.0375 | -0.0310 |
|  |  | (0.0362) | (0.0371) |  |  | (0.0508) | (0.0517) |  | (0.0717) | (0.0737) |
| Married |  | 0.0531 | 0.0541 |  |  | 0.0750 | 0.0828 |  | 0.0621 | 0.0680 |
|  |  | (0.0626) | (0.0628) |  |  | (0.0923) | (0.0935) |  | (0.0958) | (0.0970) |
| Health |  | -0.0455 | -0.0453 |  |  | -0.0171 | -0.0150 |  | 0.0319 | 0.0324 |
|  |  | (0.0332) | (0.0332) |  |  | (0.0471) | (0.0470) |  | (0.0661) | (0.0659) |
| Working overtime |  |  | -0.0394 |  |  |  | -0.112 |  |  | -0.0555 |
|  |  |  | (0.0518) |  |  |  | (0.0745) |  |  | (0.0862) |
| 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 | 0.030 | 0.032 | 0.005 | 0.007 | 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) |
| Education level | 0.0347 | 0.0174 | 0.0198 |  | 0.0381 | 0.0195 | 0.0211 | -0.0125 | -0.0225 | -0.0216 |
|  | (0.0234) | (0.0246) | (0.0247) |  | (0.0350) | (0.0371) | (0.0373) | (0.0678) | (0.0673) | (0.0672) |
| Age/10 | -0.310\* | -0.235 | -0.229 |  | -0.173 | -0.101 | -0.0953 |  |  |  |
|  | (0.184) | (0.202) | (0.202) |  | (0.275) | (0.300) | (0.302) |  |  |  |
| Age2/100 | 0.0327 | 0.0243 | 0.0240 |  | 0.0155 | 0.00694 | 0.00654 |  |  |  |
|  | (0.0246) | (0.0261) | (0.0261) |  | (0.0367) | (0.0388) | (0.0389) |  |  |  |
| Male | -0.0587 | -0.0755 | -0.0770 |  | -0.104 | -0.126 | -0.128 |  |  |  |
|  | (0.0532) | (0.0540) | (0.0540) |  | (0.0768) | (0.0789) | (0.0789) |  |  |  |
| Birth Weight | -0.0907\*\* | -0.0945\*\* | -0.0946\*\* |  | -0.141\*\* | -0.145\*\*\* | -0.144\*\*\* | -0.123 | -0.150 | -0.149 |
|  | (0.0412) | (0.0412) | (0.0412) |  | (0.0559) | (0.0557) | (0.0557) | (0.109) | (0.107) | (0.108) |
| Early Disease | 0.00109 | 0.0166 | 0.0173 |  | 0.125 | 0.146 | 0.146 | -0.319 | -0.272 | -0.280 |
|  | (0.205) | (0.204) | (0.204) |  | (0.319) | (0.316) | (0.315) | (0.454) | (0.448) | (0.444) |
| Log(Income) |  | 0.0691\*\* | 0.0639\* |  |  | 0.0785 | 0.0752 |  | 0.0773 | 0.0708 |
|  |  | (0.0348) | (0.0356) |  |  | (0.0519) | (0.0529) |  | (0.0695) | (0.0704) |
| Married |  | -0.0823 | -0.0832 |  |  | -0.0725 | -0.0743 |  | -0.108 | -0.114 |
|  |  | (0.0620) | (0.0620) |  |  | (0.0936) | (0.0939) |  | (0.115) | (0.115) |
| Health |  | -0.0253 | -0.0255 |  |  | -0.0307 | -0.0311 |  | 0.0283 | 0.0278 |
|  |  | (0.0309) | (0.0310) |  |  | (0.0441) | (0.0442) |  | (0.0621) | (0.0624) |
| Working overtime |  |  | 0.0362 |  |  |  | 0.0254 |  |  | 0.0553 |
|  |  |  | (0.0502) |  |  |  | (0.0750) |  |  | (0.0987) |
| 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 | 0.030 | 0.032 | 0.032 |  | 0.034 | 0.036 | 0.036 | 0.004 | 0.008 | 0.008 |
|  | | | | | | | | | | |

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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) |
| Education level | -0.00316 | -0.00569 | -0.00735 |  | -0.00144 | 0.00208 | -0.00443 | -0.0498 | -0.0473 | -0.0449 |
|  | (0.0220) | (0.0232) | (0.0233) |  | (0.0332) | (0.0351) | (0.0352) | (0.0651) | (0.0653) | (0.0648) |
| Age/10 | -0.223 | -0.258 | -0.263 |  | -0.379 | -0.446\* | -0.470\* |  |  |  |
|  | (0.169) | (0.186) | (0.186) |  | (0.251) | (0.271) | (0.271) |  |  |  |
| Age2/100 | 0.0218 | 0.0244 | 0.0246 |  | 0.0408 | 0.0472 | 0.0488 |  |  |  |
|  | (0.0229) | (0.0242) | (0.0242) |  | (0.0337) | (0.0353) | (0.0352) |  |  |  |
| Male | -0.120\*\* | -0.112\*\* | -0.111\*\* |  | -0.0979 | -0.0858 | -0.0810 |  |  |  |
|  | (0.0479) | (0.0487) | (0.0487) |  | (0.0703) | (0.0723) | (0.0721) |  |  |  |
| Birth Weight | -0.0197 | -0.0153 | -0.0153 |  | -0.0331 | -0.0265 | -0.0278 | -0.0941 | -0.0845 | -0.0832 |
|  | (0.0408) | (0.0408) | (0.0408) |  | (0.0571) | (0.0572) | (0.0568) | (0.0853) | (0.0844) | (0.0840) |
| Early Disease | 0.0466 | 0.0243 | 0.0237 |  | 0.138 | 0.118 | 0.118 | -0.197 | -0.211 | -0.231 |
|  | (0.182) | (0.183) | (0.184) |  | (0.281) | (0.280) | (0.282) | (0.411) | (0.408) | (0.406) |
| Log(Income) |  | 0.0166 | 0.0201 |  |  | -0.00749 | 0.00535 |  | -0.0240 | -0.0407 |
|  |  | (0.0336) | (0.0345) |  |  | (0.0506) | (0.0519) |  | (0.0664) | (0.0664) |
| Married |  | 2.86e-05 | 0.000621 |  |  | 0.0354 | 0.0423 |  | 0.0756 | 0.0604 |
|  |  | (0.0557) | (0.0558) |  |  | (0.0800) | (0.0805) |  | (0.103) | (0.103) |
| Health |  | -0.0765\*\* | -0.0764\*\* |  |  | -0.0606 | -0.0588 |  | 0.0232 | 0.0218 |
|  |  | (0.0299) | (0.0299) |  |  | (0.0439) | (0.0438) |  | (0.0627) | (0.0630) |
| Working overtime |  |  | -0.0251 |  |  |  | -0.0994 |  |  | 0.142 |
|  |  |  | (0.0461) |  |  |  | (0.0670) |  |  | (0.0891) |
| 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 |  | 0.022 | 0.025 | 0.026 | 0.003 | 0.004 | 0.008 |
|  | | | | | | | | | | |

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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) |
| Education level | 0.00481 | 0.00614 | 0.00113 |  | 0.0101 | 0.0119 | 0.000137 | -0.0333 | -0.0314 | -0.0314 |
|  | (0.0228) | (0.0241) | (0.0242) |  | (0.0340) | (0.0367) | (0.0367) | (0.0678) | (0.0680) | (0.0681) |
| Age/10 | -0.312\* | -0.331\* | -0.344\* |  | -0.541\*\* | -0.538\* | -0.581\*\* |  |  |  |
|  | (0.179) | (0.196) | (0.197) |  | (0.260) | (0.285) | (0.286) |  |  |  |
| Age2/100 | 0.0339 | 0.0352 | 0.0358 |  | 0.0597\* | 0.0594 | 0.0622\* |  |  |  |
|  | (0.0240) | (0.0255) | (0.0255) |  | (0.0348) | (0.0369) | (0.0368) |  |  |  |
| Male | -0.0998\*\* | -0.0913\* | -0.0883\* |  | -0.0425 | -0.0400 | -0.0312 |  |  |  |
|  | (0.0502) | (0.0514) | (0.0514) |  | (0.0722) | (0.0750) | (0.0747) |  |  |  |
| Birth Weight | -0.0567 | -0.0525 | -0.0524 |  | -0.0570 | -0.0559 | -0.0581 | -0.126 | -0.128 | -0.128 |
|  | (0.0411) | (0.0412) | (0.0410) |  | (0.0542) | (0.0545) | (0.0539) | (0.0905) | (0.0903) | (0.0904) |
| Early Disease | 0.0913 | 0.0710 | 0.0693 |  | 0.196 | 0.193 | 0.193 | 0.0110 | 0.0255 | 0.0254 |
|  | (0.198) | (0.199) | (0.200) |  | (0.313) | (0.314) | (0.317) | (0.335) | (0.326) | (0.325) |
| Log(Income) |  | -0.00151 | 0.00912 |  |  | -0.00634 | 0.0169 |  | -0.0180 | -0.0180 |
|  |  | (0.0336) | (0.0341) |  |  | (0.0495) | (0.0501) |  | (0.0730) | (0.0740) |
| Married |  | -0.00152 | 0.000305 |  |  | -0.00430 | 0.00821 |  | 0.0262 | 0.0261 |
|  |  | (0.0590) | (0.0592) |  |  | (0.0897) | (0.0909) |  | (0.104) | (0.104) |
| Health |  | -0.0549\* | -0.0546\* |  |  | -0.00718 | -0.00389 |  | 0.0853 | 0.0852 |
|  |  | (0.0311) | (0.0311) |  |  | (0.0453) | (0.0450) |  | (0.0616) | (0.0616) |
| Working overtime |  |  | -0.0750 |  |  |  | -0.180\*\*\* |  |  | 0.000620 |
|  |  |  | (0.0466) |  |  |  | (0.0678) |  |  | (0.0880) |
| 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 | 0.036 | 0.003 | 0.007 | 0.007 |
|  | | | | | | | | | | |

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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) |
| Education level | -0.0120 | -0.00486 | -0.00285 |  | -0.0170 | -0.00527 | -0.00115 | -0.0255 | -0.0222 | -0.0219 |
|  | (0.0190) | (0.0203) | (0.0204) |  | (0.0260) | (0.0280) | (0.0283) | (0.0492) | (0.0493) | (0.0494) |
| Age/10 | -0.264\* | -0.169 | -0.164 |  | -0.248 | -0.187 | -0.172 |  |  |  |
|  | (0.139) | (0.156) | (0.156) |  | (0.190) | (0.210) | (0.212) |  |  |  |
| Age2/100 | 0.0243 | 0.0137 | 0.0135 |  | 0.0184 | 0.0117 | 0.0107 |  |  |  |
|  | (0.0187) | (0.0202) | (0.0201) |  | (0.0249) | (0.0265) | (0.0266) |  |  |  |
| Male | -0.0964\*\* | -0.0894\*\* | -0.0906\*\* |  | -0.0905\* | -0.0770 | -0.0801 |  |  |  |
|  | (0.0401) | (0.0407) | (0.0407) |  | (0.0542) | (0.0546) | (0.0545) |  |  |  |
| Birth Weight | -0.0398 | -0.0352 | -0.0352 |  | -0.0327 | -0.0253 | -0.0245 | 0.00729 | 0.000336 | 0.000530 |
|  | (0.0329) | (0.0325) | (0.0325) |  | (0.0418) | (0.0411) | (0.0411) | (0.0995) | (0.0998) | (0.0997) |
| Early Disease | 0.114 | 0.0957 | 0.0964 |  | -0.0971 | -0.112 | -0.112 | -0.206 | -0.183 | -0.185 |
|  | (0.146) | (0.145) | (0.145) |  | (0.159) | (0.157) | (0.159) | (0.271) | (0.276) | (0.276) |
| Log(Income) |  | -0.0317 | -0.0360 |  |  | -0.0384 | -0.0465 |  | -0.0206 | -0.0231 |
|  |  | (0.0270) | (0.0276) |  |  | (0.0373) | (0.0382) |  | (0.0492) | (0.0500) |
| Married |  | -0.0778 | -0.0785 |  |  | -0.0624 | -0.0667 |  | -0.0580 | -0.0602 |
|  |  | (0.0510) | (0.0510) |  |  | (0.0716) | (0.0720) |  | (0.0853) | (0.0852) |
| Health |  | -0.0326 | -0.0328 |  |  | -0.0499 | -0.0510 |  | 0.0542 | 0.0540 |
|  |  | (0.0243) | (0.0243) |  |  | (0.0344) | (0.0344) |  | (0.0499) | (0.0498) |
| Working overtime |  |  | 0.0302 |  |  |  | 0.0630 |  |  | 0.0211 |
|  |  |  | (0.0381) |  |  |  | (0.0539) |  |  | (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 |  | 0.026 | 0.030 | 0.031 | 0.002 | 0.005 | 0.005 |
|  | | | | | | | | | | |

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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) |
| Education level | -0.0151 | -0.0128 | -0.00661 |  | 0.0160 | 0.0229 | 0.0291 | 0.0520 | 0.0481 | 0.0482 |
|  | (0.0216) | (0.0227) | (0.0229) |  | (0.0310) | (0.0327) | (0.0331) | (0.0575) | (0.0580) | (0.0581) |
| Age/10 | -0.228 | -0.275 | -0.258 |  | -0.289 | -0.307 | -0.284 |  |  |  |
|  | (0.164) | (0.181) | (0.181) |  | (0.230) | (0.251) | (0.253) |  |  |  |
| Age2/100 | 0.0179 | 0.0226 | 0.0218 |  | 0.0258 | 0.0276 | 0.0261 |  |  |  |
|  | (0.0219) | (0.0233) | (0.0233) |  | (0.0300) | (0.0318) | (0.0318) |  |  |  |
| Male | -0.168\*\*\* | -0.161\*\*\* | -0.165\*\*\* |  | -0.103 | -0.0920 | -0.0967 |  |  |  |
|  | (0.0482) | (0.0485) | (0.0484) |  | (0.0654) | (0.0661) | (0.0660) |  |  |  |
| Birth Weight | -0.0785\*\* | -0.0762\*\* | -0.0763\*\* |  | -0.0376 | -0.0330 | -0.0318 | -0.0591 | -0.0718 | -0.0717 |
|  | (0.0377) | (0.0377) | (0.0375) |  | (0.0483) | (0.0479) | (0.0478) | (0.0717) | (0.0737) | (0.0738) |
| Early Disease | 0.233 | 0.221 | 0.223 |  | 0.116 | 0.102 | 0.103 | 0.219 | 0.249 | 0.248 |
|  | (0.193) | (0.195) | (0.194) |  | (0.205) | (0.203) | (0.207) | (0.235) | (0.242) | (0.243) |
| Log(Income) |  | -0.00552 | -0.0189 |  |  | -0.0238 | -0.0362 |  | 0.0265 | 0.0255 |
|  |  | (0.0303) | (0.0310) |  |  | (0.0425) | (0.0433) |  | (0.0539) | (0.0556) |
| Married |  | 0.0308 | 0.0286 |  |  | 0.00774 | 0.00106 |  | -0.0113 | -0.0121 |
|  |  | (0.0567) | (0.0567) |  |  | (0.0787) | (0.0790) |  | (0.0844) | (0.0851) |
| Health |  | -0.0246 | -0.0252 |  |  | -0.0274 | -0.0292 |  | 0.0820 | 0.0819 |
|  |  | (0.0273) | (0.0273) |  |  | (0.0388) | (0.0388) |  | (0.0512) | (0.0512) |
| Working overtime |  |  | 0.0946\*\* |  |  |  | 0.0962 |  |  | 0.00778 |
|  |  |  | (0.0438) |  |  |  | (0.0612) |  |  | (0.0653) |
| 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 |  | 0.033 | 0.034 | 0.036 | 0.003 | 0.009 | 0.009 |
|  | | | | | | | | | | |

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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) | |
| Education level | -0.0457\*\* | -0.0421\* | -0.0375\* |  | -0.0262 | -0.0123 | -0.00916 | 0.0278 | 0.0414 | 0.0418 |
|  | (0.0206) | (0.0219) | (0.0220) |  | (0.0291) | (0.0305) | (0.0306) | (0.0596) | (0.0593) | (0.0593) |
| Age/10 | -0.315\*\* | -0.212 | -0.200 |  | -0.282 | -0.170 | -0.159 |  |  |  |
|  | (0.155) | (0.176) | (0.177) |  | (0.212) | (0.238) | (0.240) |  |  |  |
| Age2/100 | 0.0181 | 0.00680 | 0.00632 |  | 0.0164 | 0.00450 | 0.00376 |  |  |  |
|  | (0.0207) | (0.0226) | (0.0226) |  | (0.0277) | (0.0300) | (0.0301) |  |  |  |
| Male | -0.0479 | -0.0455 | -0.0482 |  | -0.0513 | -0.0384 | -0.0407 |  |  |  |
|  | (0.0439) | (0.0448) | (0.0448) |  | (0.0593) | (0.0608) | (0.0606) |  |  |  |
| Birth Weight | -0.0430 | -0.0401 | -0.0402 |  | -0.0426 | -0.0351 | -0.0345 | 0.0792 | 0.0635 | 0.0637 |
|  | (0.0368) | (0.0366) | (0.0366) |  | (0.0486) | (0.0477) | (0.0478) | (0.0971) | (0.0976) | (0.0979) |
| Early Disease | -0.0718 | -0.0831 | -0.0815 |  | -0.359\*\*\* | -0.371\*\*\* | -0.371\*\*\* | -0.606\*\* | -0.552\*\* | -0.555\*\* |
|  | (0.150) | (0.150) | (0.150) |  | (0.114) | (0.121) | (0.122) | (0.266) | (0.270) | (0.270) |
| Log(Income) |  | -0.0179 | -0.0278 |  |  | -0.0464 | -0.0525 |  | -0.0809 | -0.0831 |
|  |  | (0.0283) | (0.0292) |  |  | (0.0399) | (0.0413) |  | (0.0588) | (0.0596) |
| Married |  | -0.0847 | -0.0864 |  |  | -0.101 | -0.105 |  | -0.244\*\* | -0.246\*\* |
|  |  | (0.0602) | (0.0601) |  |  | (0.0831) | (0.0833) |  | (0.104) | (0.104) |
| Health |  | -0.0262 | -0.0264 |  |  | -0.0464 | -0.0472 |  | 0.0595 | 0.0593 |
|  |  | (0.0266) | (0.0265) |  |  | (0.0373) | (0.0372) |  | (0.0576) | (0.0576) |
| Working overtime |  |  | 0.0699 |  |  |  | 0.0472 |  |  | 0.0182 |
|  |  |  | (0.0434) |  |  |  | (0.0600) |  |  | (0.0756) |
| 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 |  | 0.042 | 0.046 | 0.047 | 0.009 | 0.024 | 0.024 | |
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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) |
| Education level | -0.0549\*\*\* | -0.0613\*\*\* | -0.0642\*\*\* |  | -0.0254 | -0.0321 | -0.0354 | 0.0160 | 0.0147 | 0.0141 |
|  | (0.0202) | (0.0211) | (0.0213) |  | (0.0284) | (0.0298) | (0.0299) | (0.0542) | (0.0532) | (0.0533) |
| Age/10 | -0.321\*\* | -0.270 | -0.278 |  | -0.407\*\* | -0.231 | -0.244 |  |  |  |
|  | (0.149) | (0.169) | (0.170) |  | (0.206) | (0.232) | (0.233) |  |  |  |
| Age2/100 | 0.0226 | 0.0164 | 0.0167 |  | 0.0349 | 0.0158 | 0.0166 |  |  |  |
|  | (0.0199) | (0.0217) | (0.0217) |  | (0.0269) | (0.0292) | (0.0292) |  |  |  |
| Male | -0.0675 | -0.0697 | -0.0680 |  | -0.00724 | -0.0223 | -0.0198 |  |  |  |
|  | (0.0436) | (0.0441) | (0.0442) |  | (0.0609) | (0.0620) | (0.0621) |  |  |  |
| Birth Weight | -0.0526 | -0.0511 | -0.0511 |  | -0.0239 | -0.0245 | -0.0251 | -0.0084 | -0.0233 | -0.0236 |
|  | (0.0349) | (0.0349) | (0.0349) |  | (0.0433) | (0.0437) | (0.0438) | (0.102) | (0.105) | (0.104) |
| Early Disease | 0.0711 | 0.0635 | 0.0626 |  | -0.100 | -0.0825 | -0.0826 | -0.196 | -0.169 | -0.164 |
|  | (0.146) | (0.146) | (0.146) |  | (0.155) | (0.154) | (0.152) | (0.273) | (0.262) | (0.260) |
| Log(Income) |  | 0.0269 | 0.0331 |  |  | 0.0338 | 0.0404 |  | 0.0199 | 0.0243 |
|  |  | (0.0303) | (0.0310) |  |  | (0.0438) | (0.0448) |  | (0.0632) | (0.0642) |
| Married |  | -0.0624 | -0.0613 |  |  | -0.153\* | -0.149\* |  | -0.138\* | -0.134\* |
|  |  | (0.0568) | (0.0569) |  |  | (0.0788) | (0.0790) |  | (0.0808) | (0.0812) |
| Health |  | -0.0518\*\* | -0.0516\*\* |  |  | -0.0301 | -0.0291 |  | -0.0256 | -0.0253 |
|  |  | (0.0260) | (0.0260) |  |  | (0.0364) | (0.0364) |  | (0.0507) | (0.0508) |
| Working overtime |  |  | -0.0438 |  |  |  | -0.0510 |  |  | -0.0367 |
|  |  |  | (0.0411) |  |  |  | (0.0570) |  |  | (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 | 0.034 | 0.037 | 0.037 |  | 0.047 | 0.051 | 0.052 | 0.001 | 0.005 | 0.006 |
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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) |
| Education level | -0.0491\*\* | -0.0377\* | -0.0367\* |  | -0.00448 | 0.00710 | 0.00895 | -0.0058 | 0.00322 | 0.00396 |
|  | (0.0206) | (0.0215) | (0.0217) |  | (0.0288) | (0.0304) | (0.0305) | (0.0572) | (0.0560) | (0.0560) |
| Age/10 | -0.246 | -0.245 | -0.243 |  | -0.294 | -0.246 | -0.239 |  |  |  |
|  | (0.156) | (0.175) | (0.175) |  | (0.200) | (0.230) | (0.231) |  |  |  |
| Age2/100 | 0.0164 | 0.0160 | 0.0158 |  | 0.0223 | 0.0174 | 0.0170 |  |  |  |
|  | (0.0205) | (0.0221) | (0.0221) |  | (0.0257) | (0.0282) | (0.0283) |  |  |  |
| Male | -0.0707 | -0.0564 | -0.0570 |  | 0.0256 | 0.0371 | 0.0357 |  |  |  |
|  | (0.0452) | (0.0460) | (0.0461) |  | (0.0599) | (0.0605) | (0.0606) |  |  |  |
| Birth Weight | -0.0560 | -0.0505 | -0.0505 |  | -0.0432 | -0.0385 | -0.0382 | 0.139 | 0.134 | 0.134 |
|  | (0.0359) | (0.0357) | (0.0357) |  | (0.0443) | (0.0443) | (0.0443) | (0.0856) | (0.0847) | (0.0848) |
| Early Disease | 0.0735 | 0.0501 | 0.0504 |  | -0.0863 | -0.0965 | -0.0965 | -0.0873 | -0.0659 | -0.0719 |
|  | (0.157) | (0.158) | (0.158) |  | (0.163) | (0.163) | (0.164) | (0.199) | (0.194) | (0.196) |
| Log(Income) |  | -0.0452 | -0.0474 |  |  | -0.0423 | -0.0459 |  | -0.0548 | -0.0600 |
|  |  | (0.0295) | (0.0300) |  |  | (0.0420) | (0.0429) |  | (0.0673) | (0.0684) |
| Married |  | 0.00179 | 0.00144 |  |  | -0.0406 | -0.0426 |  | -0.132\* | -0.137\* |
|  |  | (0.0569) | (0.0570) |  |  | (0.0801) | (0.0804) |  | (0.0774) | (0.0782) |
| Health |  | -0.0266 | -0.0267 |  |  | -0.0158 | -0.0163 |  | 0.0133 | 0.0129 |
|  |  | (0.0262) | (0.0262) |  |  | (0.0371) | (0.0371) |  | (0.0551) | (0.0549) |
| Working overtime |  |  | 0.0156 |  |  |  | 0.0283 |  |  | 0.0443 |
|  |  |  | (0.0425) |  |  |  | (0.0585) |  |  | (0.0717) |
| 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 | 0.036 | 0.038 | 0.038 |  | 0.055 | 0.056 | 0.057 | 0.004 | 0.010 | 0.010 |
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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) |
| Education level | -0.000794 | -0.0140 | -0.0177 |  | 0.0196 | -4.98e-06 | 0.00559 | -0.154 | -0.177 | -0.174 |
|  | (0.0420) | (0.0439) | (0.0440) |  | (0.0604) | (0.0643) | (0.0646) | (0.118) | (0.120) | (0.119) |
| Age/10 | 0.615\*\* | 0.673\*\* | 0.664\*\* |  | 0.665 | 0.697 | 0.718 |  |  |  |
|  | (0.296) | (0.324) | (0.325) |  | (0.447) | (0.483) | (0.485) |  |  |  |
| Age2/100 | -0.0348 | -0.0443 | -0.0439 |  | -0.0316 | -0.0399 | -0.0413 |  |  |  |
|  | (0.0397) | (0.0420) | (0.0419) |  | (0.0590) | (0.0617) | (0.0619) |  |  |  |
| Male | -0.207\*\* | -0.197\*\* | -0.195\*\* |  | -0.210 | -0.209 | -0.213 |  |  |  |
|  | (0.0898) | (0.0907) | (0.0907) |  | (0.133) | (0.133) | (0.133) |  |  |  |
| Birth Weight | -0.0165 | -0.00601 | -0.00591 |  | 0.0543 | 0.0765 | 0.0776 | 0.140 | 0.0917 | 0.0933 |
|  | (0.0638) | (0.0641) | (0.0641) |  | (0.0923) | (0.0930) | (0.0932) | (0.163) | (0.172) | (0.173) |
| Early Disease | -0.617 | -0.672\* | -0.673\* |  | -1.117\*\* | -1.151\*\* | -1.151\*\* | -0.784 | -0.735 | -0.759 |
|  | (0.385) | (0.381) | (0.381) |  | (0.518) | (0.498) | (0.498) | (0.833) | (0.817) | (0.817) |
| Log(Income) |  | 0.0646 | 0.0725 |  |  | 0.121 | 0.110 |  | 0.195\* | 0.174 |
|  |  | (0.0627) | (0.0639) |  |  | (0.0905) | (0.0925) |  | (0.112) | (0.112) |
| Married |  | -0.129 | -0.128 |  |  | -0.141 | -0.147 |  | -0.362\*\* | -0.381\*\* |
|  |  | (0.102) | (0.102) |  |  | (0.149) | (0.150) |  | (0.162) | (0.162) |
| Health |  | -0.222\*\*\* | -0.222\*\*\* |  |  | -0.342\*\*\* | -0.344\*\*\* |  | -0.245\*\* | -0.246\*\* |
|  |  | (0.0530) | (0.0530) |  |  | (0.0765) | (0.0763) |  | (0.117) | (0.117) |
| Working overtime |  |  | -0.0561 |  |  |  | 0.0855 |  |  | 0.175 |
|  |  |  | (0.0840) |  |  |  | (0.126) |  |  | (0.146) |
| 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 | 0.076 | 0.076 |  | 0.069 | 0.089 | 0.089 | 0.007 | 0.028 | 0.030 |

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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) |
| Education level | -0.196\*\*\* | -0.164\*\*\* | -0.165\*\*\* |  | -0.231\*\*\* | -0.201\*\*\* | -0.208\*\*\* | -0.0122 | 0.00467 | 0.00606 |
|  | (0.0464) | (0.0481) | (0.0483) |  | (0.0691) | (0.0729) | (0.0735) | (0.114) | (0.120) | (0.120) |
| Age/10 | 1.077\*\*\* | 0.636\* | 0.635\* |  | 1.523\*\*\* | 1.068\*\* | 1.044\*\* |  |  |  |
|  | (0.308) | (0.344) | (0.344) |  | (0.472) | (0.526) | (0.527) |  |  |  |
| Age2/100 | -0.0173 | 0.0280 | 0.0280 |  | -0.0683 | -0.0211 | -0.0195 |  |  |  |
|  | (0.0417) | (0.0446) | (0.0446) |  | (0.0640) | (0.0683) | (0.0683) |  |  |  |
| Male | -0.331\*\*\* | -0.270\*\*\* | -0.270\*\*\* |  | -0.409\*\*\* | -0.340\*\* | -0.335\*\* |  |  |  |
|  | (0.0959) | (0.0967) | (0.0968) |  | (0.138) | (0.138) | (0.139) |  |  |  |
| Birth Weight | -0.0861 | -0.0689 | -0.0689 |  | -0.0170 | 0.00693 | 0.00567 | -0.0567 | -0.00690 | -0.00613 |
|  | (0.0734) | (0.0730) | (0.0730) |  | (0.106) | (0.106) | (0.106) | (0.181) | (0.187) | (0.187) |
| Early Disease | 0.736\*\* | 0.649\*\* | 0.649\*\* |  | 0.508 | 0.412 | 0.412 | -0.328 | -0.413 | -0.425 |
|  | (0.290) | (0.290) | (0.290) |  | (0.432) | (0.427) | (0.430) | (0.535) | (0.531) | (0.540) |
| Log(Income) |  | -0.104 | -0.103 |  |  | -0.109 | -0.0966 |  | -0.137 | -0.147 |
|  |  | (0.0660) | (0.0668) |  |  | (0.0938) | (0.0958) |  | (0.115) | (0.116) |
| Married |  | 0.333\*\*\* | 0.333\*\*\* |  |  | 0.329\* | 0.336\* |  | 0.259 | 0.250 |
|  |  | (0.116) | (0.116) |  |  | (0.173) | (0.173) |  | (0.188) | (0.189) |
| Health |  | -0.113\* | -0.113\* |  |  | -0.143\* | -0.141\* |  | -0.00948 | -0.0103 |
|  |  | (0.0586) | (0.0586) |  |  | (0.0827) | (0.0828) |  | (0.120) | (0.120) |
| Working overtime |  |  | -0.00866 |  |  |  | -0.0987 |  |  | 0.0834 |
|  |  |  | (0.0894) |  |  |  | (0.131) |  |  | (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 | 0.249 | 0.255 | 0.255 |  | 0.268 | 0.274 | 0.274 | 0.001 | 0.006 | 0.006 |
|  | | | | | | | | | | |