**Table 1: Assessment of the association between physical aggression, bone lead and individual level confounders: Final model**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Factors  | Mean  | P value  | 95% CI  |  |
| Pb  | 0.1  | 0.352  | -0.099  | 0.274  |
| Age  |   |   |   |   |
| =23 years  | ref  |   |   |   |
| =24 years  | -1.4  | 0.218  | -3.763  | 0.867  |
| Sex  |   |   |   |   |
| Male  | ref  |   |   |   |
| Female  | -1.0  | 0.305  | -2.922  | 0.924  |
| Exposure to family violence  |   |   |   |   |
| Yes  | 2.7 | 0.012\*\*  | 0.606  | 4.750  |
| No  | ref  |   |   |   |
| Exposure to crime and violence  |   |   |   |   |
| Yes  | -1.9  | 0.061\*  | -3.834  | 0.086  |
| No  | ref  |   |   |   |

***\*\*P< 0.05 significant \*p ≤0.08 marginally significant***

**Table 2: Assessment of the association between verbal aggression, bone lead and individual level confounders: Final model**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Factors  | Mean  | P value  | 95% CI  |  |
| Pb  | 0.1  | 0.189  | -0.046  | 0.233  |
| Age  |   |   |   |   |
| =23 years  | ref  |   |   |   |
| =24 years  | 0.03  | 0.967  | -1.665  | 1.735  |
| Sex  |   |   |   |   |
| Male  | ref  |   |   |   |
| Female  | 0.9 | 0.244  | -0.588  | 2.290  |
| Exposure to family violence  |   |   |   |   |
| Yes  | 1.4  | 0.069\*  | -0.116  | 2.987  |
| No  | ref  |   |   |   |
| Attitude toward neighbourhood  |   |   |   |   |
| somewhat unsafe/very unsafe  | -2.8 | 0.003\*\*  | -4.603  | -0.971  |
| Somewhat safe/very safe  | ref  |   |   |   |

***\*\*\*p<0.001 highly significant; \*\*P< 0.05 significant; \*p ≤0.08 marginally significant***

**Table 3: Assessment of the association between hostility, bone lead and individual level confounders: Final model**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Factors  | mean  | P value  | 95% CI |  |
| Pb  | 0.03  | 0.792  | -0.196  | 0.256  |
| Age  |   |   |   |   |
| =23 years  | ref  |   |   |   |
| =24 years  | -2.9  | 0.037\*\*  | -5.675  | -0.183  |
| Sex  |   |   |   |   |
| Male  | ref  |   |   |   |
| Female  | 0.6 | 0.638  | -1.772  | 2.878  |
| Exposure to family violence  |   |   |   |   |
| Yes  | 2.8  | 0.028\*\*  | 0.307  | 5.319  |
| No  | ref  |   |   |   |
| Attitude toward neighbourhood  |   |   |   |   |
| somewhat unsafe/very unsafe  | -3.7  | 0.014\*\*  | -6.646  | -0.778  |
| Somewhat safe/very safe  | ref  |   |   |   |

***\*\*P< 0.05 significant.***

**Table 4: Assessment of the association between total aggression score, bone lead and individual level confounders: Final model**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Factors  | mean  | P value  | 95% CI |  |
| Pb  | 0.4  | 0.108  | -0.942  | 0.934  |
| Age  |   |   |   |   |
| =23 years  | ref  |   |   |   |
| =24 years  | -5.3  | 0.103  | -11.709  | 1.086  |
| Sex  |   |   |   |   |
| Male  | ref  |   |   |   |
| Female  | 1.3  | 0.624  | -3.999  | 6.627  |
| Exposure to family violence  |   |   |   |   |
| Yes  | 11.9  | <0.001\*\*\*  | 6.180  | 17.632  |
| No  | ref  |   |   |   |
| Attitude toward neighbourhood  |   |   |   |   |
| somewhat unsafe/very unsafe  | -11.2  | 0.001\*\*  | -17.979  | -4.481  |
| Somewhat safe/very safe  | ref  |   |   |   |

***\*\*\*p<0.001 highly significant; \*\*P< 0.05- significant***