**Table 5. Association between oral health and mGCIPL thickness in the UK Biobank (n=14,613)**

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| --- | --- | --- |
|  | **Difference in thickness, microns (95% confidence interval)** | ***P-value*** |
| **Any oral health problem\*** | **0.004 (-0.17, 0.17)** | **0.96** |
| Age (years) | -0.15 (-0.16, -0.14) | <0.0001 |
| Gender |  | 0.55 |
|  Female | Reference | -- |
|  Male | -0.05 (-0.22, 0.12) | 0.55 |
| Ethnicity |  | <0.0001 |
|  Caucasian | Reference | -- |
|  Asian | -1.42 (-2.00, -0.85) | <0.0001 |
|  Black | -0.22 (-0.78, 0.33) | 0.44 |
|  Other | 0.53 (-0.02, 1.08) | 0.06 |
| Townsend deprivation index | -0.03 (-0.06, -0.001) | 0.04 |
| Diabetes | -0.73 (-1.11, -0.34) | 0.0002 |
| Alcohol |  | <0.0001 |
|  Never | Reference | -- |
|  1-3 x per month | 0.09 (-0.22, 0.39) | 0.57 |
|  1-2 x per week | 0.11 (-0.15, 0.36) | 0.40 |
|  3-4 x per week | -0.05 (-0.31, 0.20) | 0.68 |
|  Daily or almost  daily | -0.51 (-0.78, -0.25) | 0.0001 |
| Smoker |  | 0.004 |
|  Never | Reference | -- |
|  Former | 0.14 (-0.03, 0.31) | 0.12 |
|  Current | 0.17 (-0.12, 0.47) | 0.25 |
| Systolic blood pressure | -0.005 (-0.009, 0.0002) | 0.06 |
| Body mass index kilogram/meter2 | -0.03 (-0.05, -0.02) | 0.0004 |
| Energy intake (kJ/day) | 0.0002 (-0.00001, 0.00004) | 0.27 |
| Physical activity METS -minutes/week | 0.00002 (-0.00001, 0.00005) | 0.22 |
| Systemic beta blocker use | -0.40 (-0.77, -0.03) | 0.03 |
| MTAG\_PRS | -0.16 (-0.25, -0.07) | 0.0006 |
| **MTAG\_PRS \* Any dental problem** | **0.11 (-0.05, 0.27)** | **0.19\*\*** |

\*Defined as history of painful or bleeding gums, toothache, loose teeth, or denture wear at the time of survey; mGCIPL=macula ganglion cell inner plexiform layer; \*\* This p value represents a p-for-interaction.