**S13 Table: Details of the association statistics of the covariates and global ancestries of hypertension.**

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| Model 1: logistic regression based on covariates |
| variables | estimate | std. error | z | p | df |
| intercept | -5.2619 | 0.5108 | -10.302 | <2×10-16 | 2235 |
| age (at baseline) | 0.0859 | 0.0076 | 11.269 | <2×10-16 |
| bmi | 0.0537 | 0.0092 | 5.812 | 6.17×10-9 |
| Model 2: logistics regression between hypertension and covariates |
| intercept | -5.8251 | 0.5313 | -10.963 | <2×10-16 | 2232 |
| PNS | 0.3842 | 0.2570 | 1.495 | 0.135 |
| EAS | 0.8783 | 0.2053 | 4.277 | 1.89×10-5 |
| AFR | -0.9459 | 1.7337 | -0.546 | 0.585 |
| age (at baseline) | 0.0865 | 0.0077 | 11.296 | <2×10-16 |
| bmi | 0.0584 | 0.0095 | 6.129 | 8.85×10-10 |

Model 1 models the non-genetic covariates according to the heuristic described in the **Methods**. Model 2 then includes global ancestries in addition to the significant covariates.