**Supplemental Table S1: Univariate linear mixed-effect models for LDL-C trends, n = 18,312**

|  | Fixed effects | LDL-C estimates | 95% CI | *P* values |
| --- | --- | --- | --- | --- |
| (a) Overall trend | InterceptTime Time2  | 2.959-0.0670.004 | 2.941 – 2.976-0.083 – -0.0510.001 – 0.008 | <0.001<0.0010.020 |
| (b) Cardiovascular disease | InterceptTimeTime2YesNo | 2.966-0.0670.004-0.1750 | 2.949 – 2.984-0.083 – -0.0510.001 – 0.008-0.235 – -0.116 | <0.001<0.0010.020<0.001 |
| (c) Sex | InterceptTimeTime2FemaleMale | 2.876-0.0670.0040.1340 | 2.853 – 2.899-0.083 – -0.0510.001 – 0.0080.110 – 0.158 | <0.001<0.0010.021<0.001 |
| (d) Age groups, years | InterceptTimeTime218–49 50–59≥6018–49\*time50–59\*time≥60\*time | 2.885-0.0710.0040.1400.14800.028-0.00020 | 2.862 – 2.909-0.088 – -0.0540.001 – 0.0080.096 – 0.1840.114 – 0.1820.10 – 0.160.02 – 0.07 | <0.001<0.0010.024<0.001<0.001<0.0010.977 |
| (e) Ethnicity | InterceptTimeTime2MalayIndianOthersChineseMalay\*timeIndian\*timeOthers\*timeChinese\*timeMalay\*time2Indian\*time2Others\*time2Chinese\*time2 | 2.719-0.1140.0130.3010.2520.16400.0660.027-0.1410-0.012-0.0080.0380 | 2.676 – 2.762-0.154 – -0.0740.004 – 0.0220.252 – 0.3490.192 – 0.312-0.070 – 0.3980.022 – 0.111-0.029 – 0.083-0.349 – 0.067-0.022 – -0.002-0.021 – 0.005-0.011 – 0.087 | <0.001<0.0010.004<0.001<0.0010.1700.0030.3450.1840.0210.2400.128 |
| (f) Duration of diabetes, years | InterceptTimeTime2<5 5–10 >10 | 3.011-0.0680.0040-0.061-0.154 | 2.990 – 3.033-0.084 – -0.0520.001 – 0.008-0.087 – -0.035-0.187 – -0.122 | <0.001<0.0010.019<0.001<0.001 |
| (g) Smoking status | InterceptTimeTime2YesNo | 2.960-0.0670.004-0.0230 | 2.942 – 2.978-0.083 – -0.0510.001 – 0.008-0.074 – 0.028 | <0.001<0.0010.0200.375 |
| (h) Body mass index category | InterceptTimeTime2UnderweightNormalOverweightObese | 2.943-0.0680.004-0.11100.0310.021 | 2.853 – 2.899-0.083 – -0.0510.001 – 0.0080.110 – 0.1580.002 – 0.061-0.011 – 0.052 | <0.001<0.0010.0210.0550.0390.192 |
| (i) Hypertension | InterceptTimeTime2YesNo | 3.075-0.0680.004-0.1370 | 3.043 – 3.107-0.084 – -0.0520.001 – 0.008-0.169 – -0.105 | <0.001<0.0010.018<0.001 |
| (j) Dyslipidaemia | InterceptTimeTime2YesNo | 2.915-0.0670.0040.0550 | 2.886 – 2.944-0.083 – -0.0510.001 – 0.0080.026 – 0.084 | <0.001<0.0010.021<0.001 |
| (k) Nephropathy | InterceptTimeTime2YesNo | 2.962-0.0670.004-0.0530 | 2.945 – 2.980-0.083 – -0.0510.001 – 0.008-0.104 – -0.003 | <0.001<0.0010.0190.040 |
| (l) Retinopathy | InterceptTimeTime2YesNo | 2.962-0.0670.004-0.1140 | 2.945 – 2.980-0.083 – -0.0510.001 – 0.008-0.184 – -0.044 | <0.001<0.0010.0200.001 |
| (m) Foot complication | InterceptTimeTime2YesNo | 2.959-0.0670.004-0.0420 | 2.942 – 2.977-0.083 – -0.0510.001 – 0.008-0.165 – 0.080 | <0.001<0.0010.0200.498 |
| (n) Diabetes treatment modality | InterceptTimeTime2Lifestyle change onlyOHA onlyInsulin onlyOHA & insulin | 2.930-0.0670.0040.11300.1190.081 | 2.911 – 2.950-0.083 – -0.0510.001 – 0.0080.038 – 0.1880.070 – 0.1690.052 – 0.109 | <0.001<0.0010.0210.003<0.001<0.001 |
| (o) Statin  | InterceptTimeTime2Yes No | 2.957-0.0670.0040.0030 | 2.931 – 2.982-0.083 – -0.0510.001 – 0.008-0.023 – 0.029 | <0.001<0.0010.0200.820 |
| (p) Antihypertensive agent | InterceptTimeYes No | 3.043-0.047-0.1020 | 3.013 – 3.073-0.054 – -0.040-0.136 – -0.068 | <0.001<0.001<0.001 |
| (q) Antiplatelet agent | InterceptTimeTime2Yes No | 2.977-0.0670.004-0.0560 | 2.958 – 2.996-0.083 – -0.0510.001 – 0.008-0.082 – -0.031 | <0.001<0.0010.019<0.001 |
| (r) Achieved HbA1c target of <7.0%  | InterceptTimeTime2Yes No | 3.034-0.0650.004-0.1820 | 3.014 – 3.054-0.081 – -0.0490.001 – 0.008-0.206 – -0.158 | <0.001<0.0010.028<0.001 |
| (s) Achieved blood pressure target of <130/80 mmHg  | InterceptTimeTime2Yes No | 2.980-0.0670.004-0.0900 | 2.961 – 2.998-0.083 – -0.0510.001 – 0.008-0.119 – -0.062 | <0.001<0.0010.020<0.001 |