

**eTable 2. Time-varying Association of coronavirus disease 2019 with new-onset diabetes mellitus**

	<b>T0</b> Index date	<b>T1</b> LM-1 month	<b>T2</b> LM-2 months	<b>T3</b> LM-3 months	<b>T4</b> LM-4 months
<b>Total study population (N=315872)</b>					
Hazard ratio, 95% CI for new-onset DM					
Unadjusted	<b>1.16 (1.07-1.27)</b>	<b>1.10 (1.01- 1.20)</b>	1.08 (0.98-1.18)	1.10 (1.00-1.22)	1.09 (0.98-1.21)
Adjusted before multiple imputation <sup>a,b,c</sup>	<b>1.18 (1.08-1.29)</b>	<b>1.10 (1.01 -1.21)</b>	1.07 (0.97-1.18)	1.11 (1.00-1.23)	1.09 (1.00-1.21)
Adjusted after multiple imputation <sup>a,c</sup>	<b>1.19 (1.09-1.29)</b>	<b>1.12 (1.02-1.23)</b>	<b>1.10 (1.01-1.21)</b>	<b>1.13 (1.02-1.24)</b>	<b>1.11 (1.01-1.23)</b>
<b>Non-hospitalized (n=301750)</b>					
Hazard ratio, 95% CI for new-onset DM					
Unadjusted	1.06 (0.97-1.16)	1.04 (0.95-1.15)	1.04 (0.94-1.14)	1.07 (0.97-1.19)	1.07 (0.96-1.19)
Adjusted before multiple imputation <sup>a,b,c</sup>	1.08 (0.98-1.18)	1.06 (0.96-1.17)	1.05 (0.95-1.16)	1.09 (0.98-1.20)	1.07 (0.96-1.2)
Adjusted after multiple imputation <sup>a,c</sup>	1.08 (0.99-1.18)	1.06 (0.97-1.17)	1.05 (0.96-1.16)	1.09 (0.98-1.21)	1.08 (0.97-1.20)
<b>Hospitalized (n=13444)</b>					
Hazard ratio, 95% CI for new-onset DM					
Unadjusted	<b>2.81 (2.12 - 3.72)</b>	<b>2.05 (1.51 - 2.80)</b>	<b>1.89 (1.36 - 2.64)</b>	<b>1.85 (1.31 - 2.59)</b>	<b>1.76 (1.23 - 2.50)</b>
Adjusted before multiple imputation <sup>a,b,c</sup>	<b>2.39 (1.78 - 3.21)</b>	<b>1.80 (1.31 - 2.48)</b>	<b>1.70 (1.20 - 2.40)</b>	<b>1.65 (1.16 - 2.35)</b>	<b>1.57 (1.09 - 2.26)</b>
Adjusted after multiple imputation <sup>a,c</sup>	<b>2.47 (1.86 - 3.29)</b>	<b>1.85 (1.35 - 2.53)</b>	<b>1.73 (1.24 - 2.43)</b>	<b>1.68 (1.19 - 2.37)</b>	<b>1.60 (1.12 - 2.29)</b>
<b>Hospitalized with severe disease (n=3136)</b>					
Hazard ratio (95% CI) for new-onset DM					
Unadjusted	<b>3.64 (2.15 - 6.16)</b>	<b>2.39 (1.30 - 4.40)</b>	<b>2.14 (1.10 - 4.16)</b>	<b>2.04 (1.02 - 4.09)</b>	1.80 (0.86-3.77)
Adjusted before multiple imputation <sup>a,b,c</sup>	<b>2.86 (1.62 - 5.04)</b>	<b>2.05 (1.07 - 3.95)</b>	1.99 (0.98 - 4.04)	1.94 (0.92 - 4.07)	1.80 (0.81-4.01)
Adjusted after multiple imputation <sup>a,c</sup>	<b>3.33 (1.94-5.72)</b>	<b>2.18 (1.16-4.09)</b>	<b>2.02 (1.02-3.99)</b>	1.95 (0.95-3.97)	1.80 (0.84-3.88)
Abbreviations: COVID-19, Coronavirus Disease 2019; DM, diabetes mellitus; LM, landmark					
<sup>a</sup> Variables included: DM (n/y) (dependent variable), Age (years), socio-economic status (low, medium, high), pre-diabetes (n/y: diagnosis of pre diabetes or glucose concentration between 100 to 125 mg/dL or HbA1c between 5.7 to 6.4), diagnosis of hypertension (n/y), diagnosis of dyslipidemia (n/y), diagnosis of polycystic ovary syndrome (n/y), smoking status (current, former/never), BMI (kg/m <sup>2</sup> ), glucose concentration (mg/ dL), LDL cholesterol (mg/dL), HDL cholesterol (mg/dL), triglycerides (mg/dL), and Lipid modifying agents (n/y).					
<sup>b</sup> The following data was missing at index date for COVID-19 patients and for non-COVID-19 controls, respectively: SES: 1765 and 1338, BMI: 1681 and 2595, Smoking status: 1194 and 1740, glucose concentration: 5867 and 8137, HDL cholesterol: 9086 and 12410 LDL cholesterol: 9483 and 12892, triglycerides: 8261 and 11520, and COVID-19 severity: 678 and 0.					
<sup>c</sup> No collinearity between variables was observed (max VIF<1.66)					