

Supplementary Figures and Tables

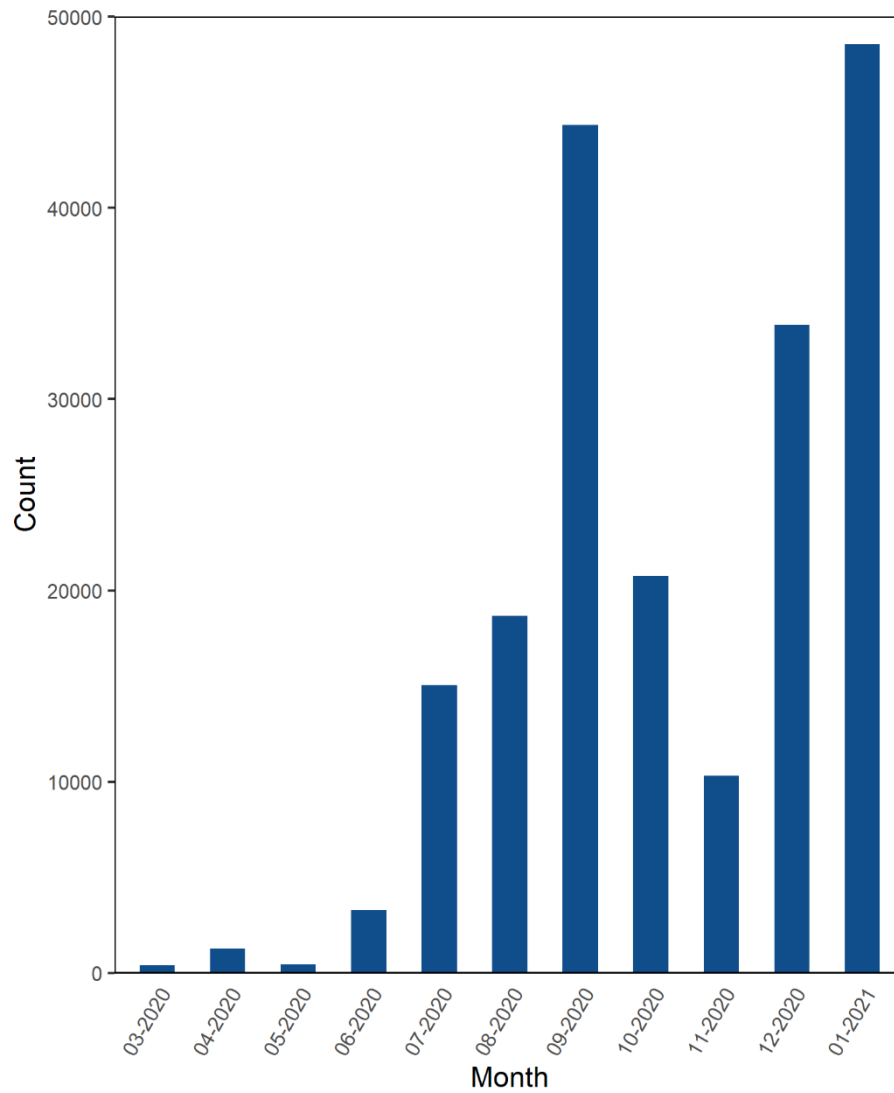


Figure S1. Number of patients with positive PCR in the COVID-19 cohort by month during the study period.

Table S1. ICD-10 codes for cardiac risk factors.

| Diagnosis | ICD-10 code |
|------------------------|--|
| Obesity | E66, E66.01, E66.2, E66.3, E66.9, E67 |
| Diabetes Mellitus | E08.42, E08.65, E08.9, E10.10, E10.29, E10.311, E10.40, E10.65, E10.9, E11.00, E11.21, E11.29, E11.311, E11.40, E11.51, E11.618, E11.641, E11.65, E11.8, E11.9, E13, E13.1, E13.3, E13.31, E13.35, E13.36, E13.4, E13.69, E13.8, E13.9 |
| Hyperlipidemia | E78, E78.0, E78.1, E78.2, E78.4, E78.9 |
| CKD | I12.0, N18, N18.2, N18.3, N18.4, N18.5, N18.6, N18.9, N19 |
| PVD | I73, I73.9 |
| Essential hypertension | I10 |
| ACS | I20.0, I21, I21.0, I21.09, I21.1, I21.11, I21.19, I21.2, I21.29, I21.3, I21.4, I23.0, I24.0, I24.8, I25.1 |
| CVA | G45, G45.0, G45.4, G45.9, I63.019, I63.139, I63.30, I63.40, I63.50, I67.89 |
| Heart failure | I09.81, I50, I50.1, I50.2, I50.21, I50.22, I50.23, I50.3, I50.30, I50.32, I50.33, I50.42, I50.43, I50.9 |

CKD = chronic kidney disease. PVD = peripheral vascular disease. CVA = Cerebrovascular Accident, ACS = acute coronary syndrome. HF = Heart Failure.

Table S2. Crude and adjusted HRs for myocarditis.

| | Univariable model | | Multivariable model | |
|----------------|-------------------------|--------------------|----------------------------|----------------|
| | HR (95% CI) | P Value | aHR (95% CI) | P Value |
| COVID-19 | 1.00 (0.47-2.13) | 1.000 | 1.08 (0.45-2.56) | 0.869 |
| Age | 0.98 (0.96-1.00) | 0.124 | 0.96 (0.93-1.00) | 0.045 * |
| Sex (male) | 4.09 (1.86-8.97) | <0.001 * | 4.42 (1.64-11.96) * | 0.003 * |
| BMI | 1.01 (0.99-1.02) | 0.595 | 1.00 (0.97-1.04) | 0.935 |
| Diabetes | 1.21 (0.47-3.12) | 0.689 | 1.15 (0.26-5.00) | 0.856 |
| Hyperlipidemia | 0.60 (0.27-1.32) | 0.205 | 0.33 (0.08-1.43) | 0.139 |
| Obesity | 1.99 (1.03-3.87) | 0.041 * | 2.31 (0.99-5.41) | 0.053 |
| CKD | 3.53 (1.25-9.99) | 0.017 * | 3.80 (0.82-17.66) | 0.088 |
| Smoking (Now) | 1.59 (0.67-3.78) | 0.295 | 1.62 (0.65-4.06) | 0.304 |
| Smoking (Past) | 1.55 (0.58-4.14) | 0.387 | 1.85 (0.61-5.64) | 0.277 |
| PVD | 4.07 (0.98-16.94) | 0.054 | 1.35 (0.14-12.84) | 0.793 |
| ACS | 2.53 (0.99-6.52) | 0.054 | 3.93 (0.76-20.40) | 0.104 |
| Hypertension | 1.07 (0.47-2.45) | 0.870 | 1.46 (0.36-5.87) | 0.592 |

CKD= chronic kidney disease. PVD= peripheral vascular disease. ACS= acute coronary syndrome. * Statistically significant results are highlighted in bold.

Table S3. Crude and adjusted HRs for pericarditis.

| | Univariable model | | Multivariable model | |
|----------------|--------------------------|--------------------|--------------------------|----------------|
| | HR (95% CI) | P Value | aHR (95% CI) | P Value |
| COVID-19 | 0.63 (0.33-1.22) | 0.171 | 0.53 (0.25-1.13) | 0.100 |
| Age | 1.02 (1.00-1.03) | 0.019 * | 1.01 (0.99-1.03) | 0.537 |
| Sex (male) | 1.89 (1.14-3.14) | 0.014 * | 1.93 (1.09-3.41) | 0.025 * |
| BMI | 1.00 (0.99-1.02) | 0.625 | 1.00 (0.94-1.06) | 0.897 |
| Diabetes | 1.95 (1.06-3.59) | 0.032 * | 0.97 (0.43-2.21) | 0.950 |
| Hyperlipidemia | 1.79 (1.09-2.94) | 0.021 * | 1.13 (0.54-2.38) | 0.749 |
| Obesity | 1.40 (0.83-2.36) | 0.213 | 1.32 (0.64-2.71) | 0.448 |
| CKD | 4.09 (1.95-8.59) | <0.001 * | 1.91 (0.72-5.05) | 0.191 |
| Smoking (Now) | 1.13 (0.56-2.27) | 0.727 | 0.85 (0.42-1.74) | 0.661 |
| Smoking (Past) | 1.23 (0.57-2.63) | 0.597 | 0.73 (0.33-1.63) | 0.439 |
| PVD | 7.23 (3.12-16.78) | <0.001 * | 4.20 (1.50-11.72) | 0.006 * |
| ACS | 3.31 (1.73-6.34) | <0.001 * | 1.52 (0.61-3.80) | 0.366 |
| Hypertension | 1.77 (1.02-3.06) | 0.041 * | 0.88 (0.38-2.06) | 0.770 |

CKD= chronic kidney disease. PVD= peripheral vascular disease. ACS= acute

coronary syndrome. * Statistically significant results are highlighted in bold.