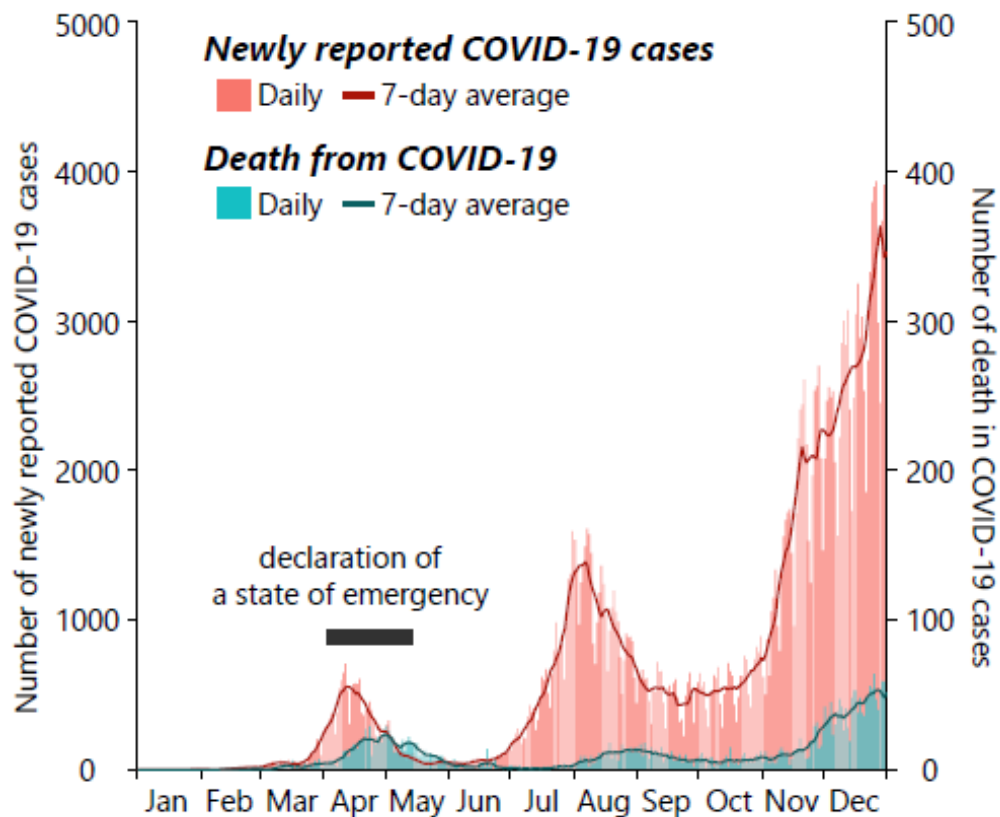


# Nationwide impact of the COVID 19 pandemic on PCI patients: A Report from J-PCI Registry

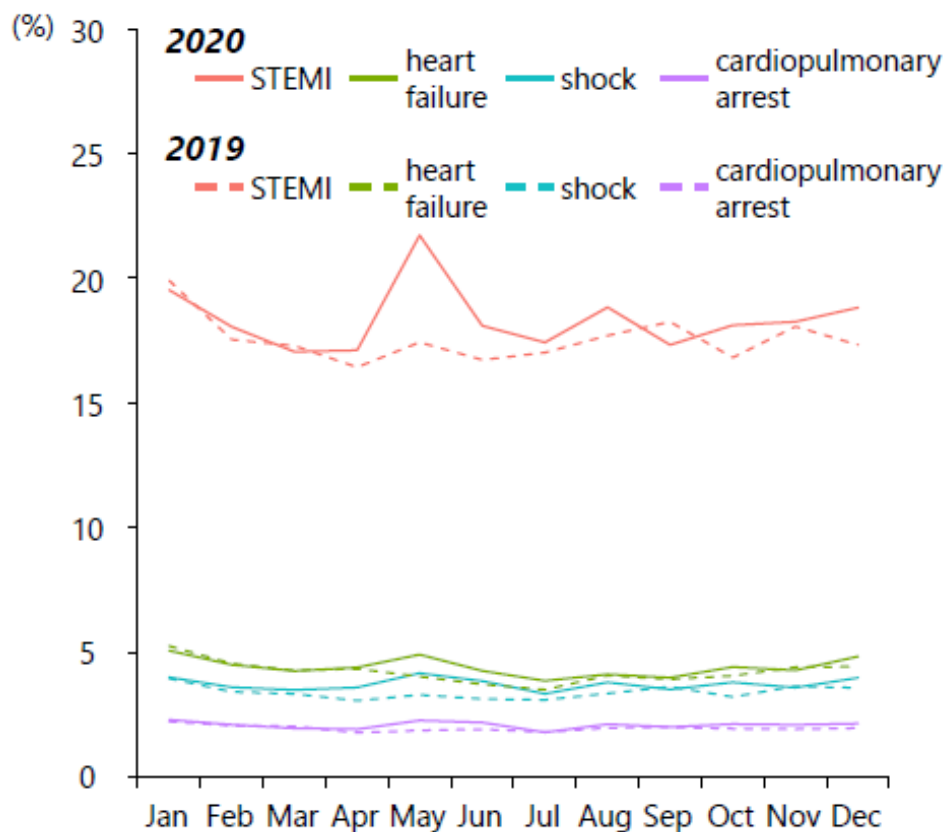
Yuji Ikari, CVIT President, Tetsuya Amano, Registry Committee Chairman,  
Statistical Analysis: Kyohei Yamaji, Registry Practical Subcommittee



This study was designed to explore the impact of the COVID-19 pandemic on patients who underwent percutaneous coronary intervention (PCI).

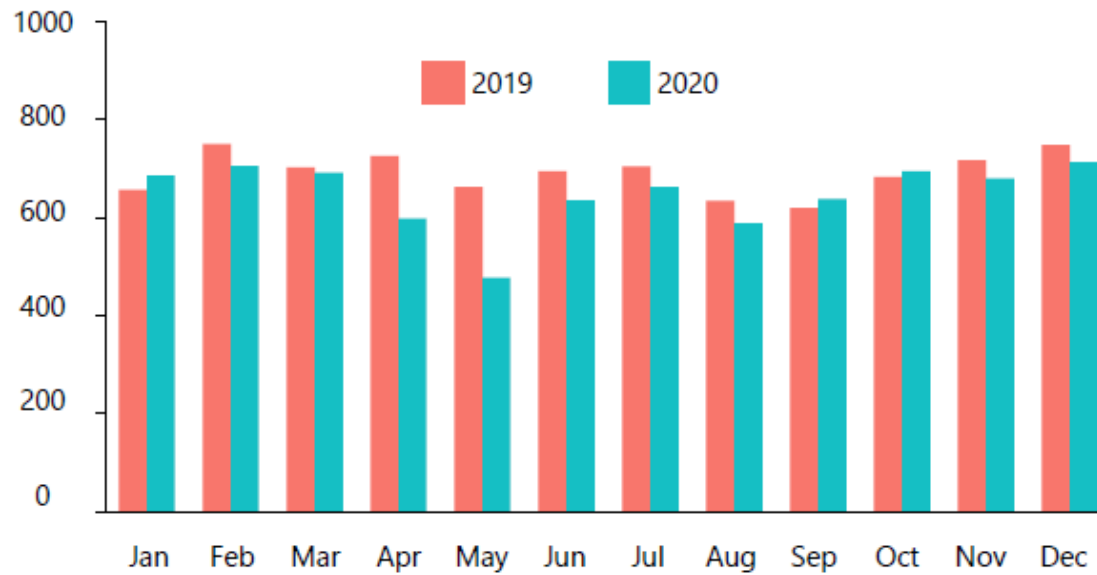
From January 2019 to December 2020, 489,001 patients from 1,068 institutions were registered in J-PCI registry.

### Prevalence of high-risk characteristics



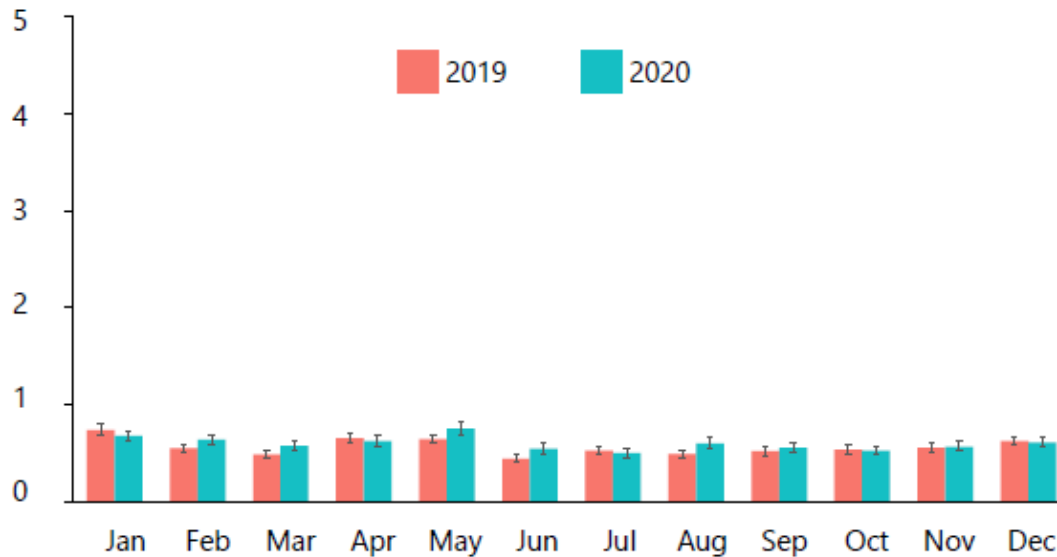
Marked differences in the presentation of PCI patients were observed in 2020 compared to 2019; more patients presented with ST-segment elevation myocardial infarction (18.3% vs. 17.5%;  $p < 0.001$ ), acute heart failure (4.49% vs. 4.30%;  $p = 0.001$ ), cardiogenic shock (3.79% vs. 3.45%;  $p < 0.001$ ), and cardiopulmonary arrest (2.12% vs. 2.00%;  $p = 0.002$ ).

***Daily number of patients who underwent PCI***



***Adjusted in-hospital mortality***

### *Adjusted in-hospital mortality*



The excess adjusted in-hospital mortality rate in patients treated in 2020 relative to those treated in 2019 was marginally significant (adjusted odds ratio, 1.054; 95% CI, 1.004–1.107;  $p= 0.03$ ).