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Insight from the J-PCI OUTCOME Registry



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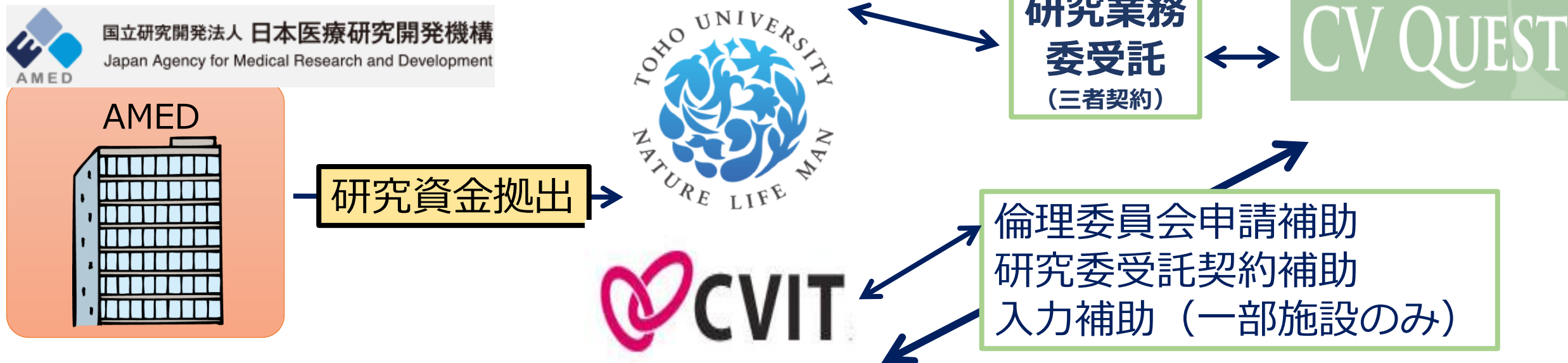
COI Disclosure

Name of First Author :

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③Patent fees:	none
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J-PCI OUTCOME Registry (AMED project)

研究組織概略図

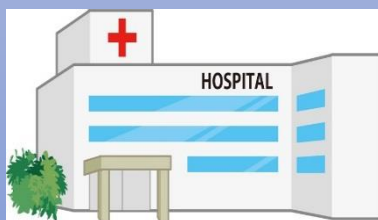


AMED J-PCI 参加施設

A総合病院
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B市立病院



B市立病院
契約担当者、治験管理室



C大学
実質担当者

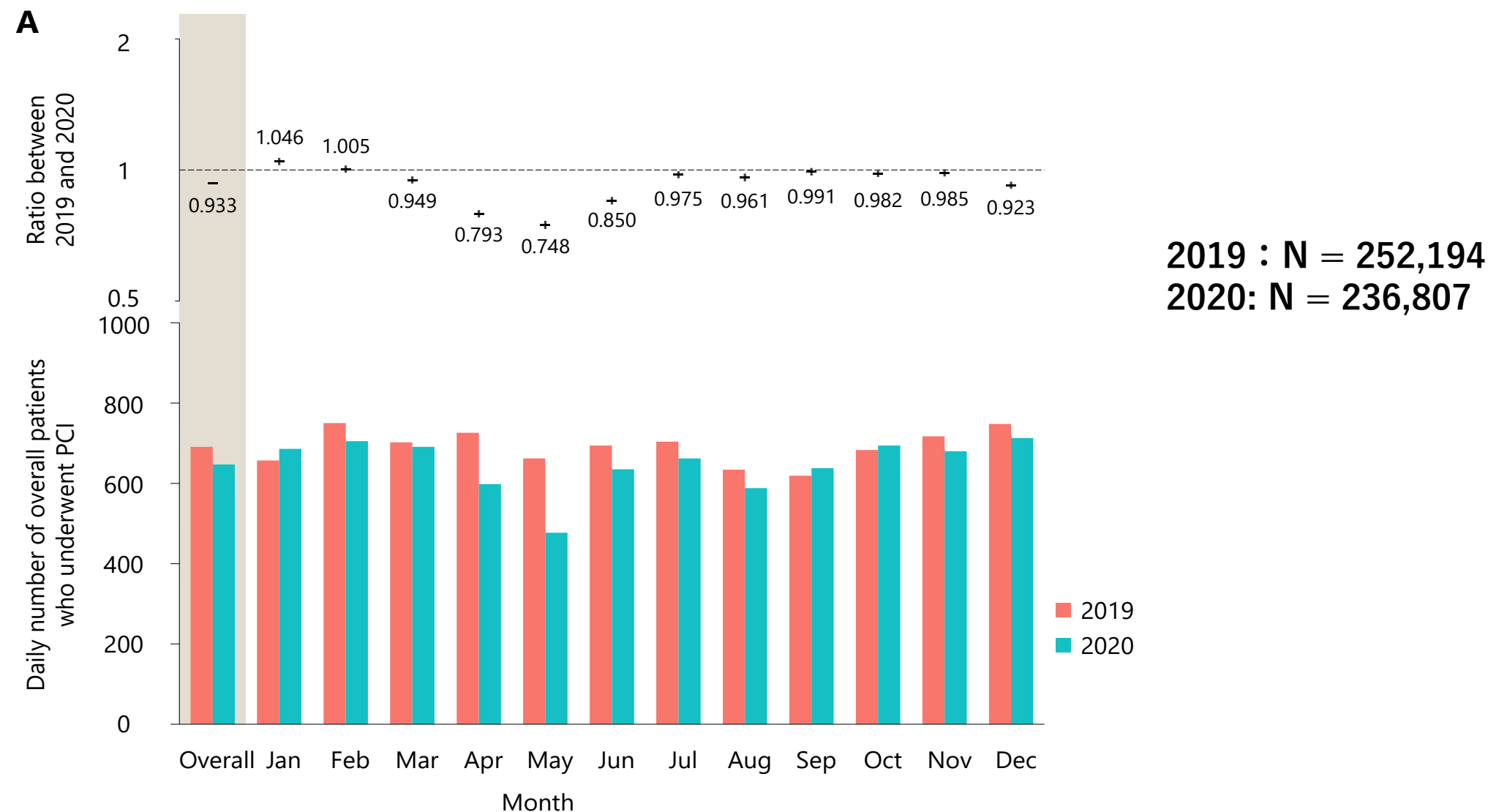


J-PCI OUTCOME Registry (AMED project)

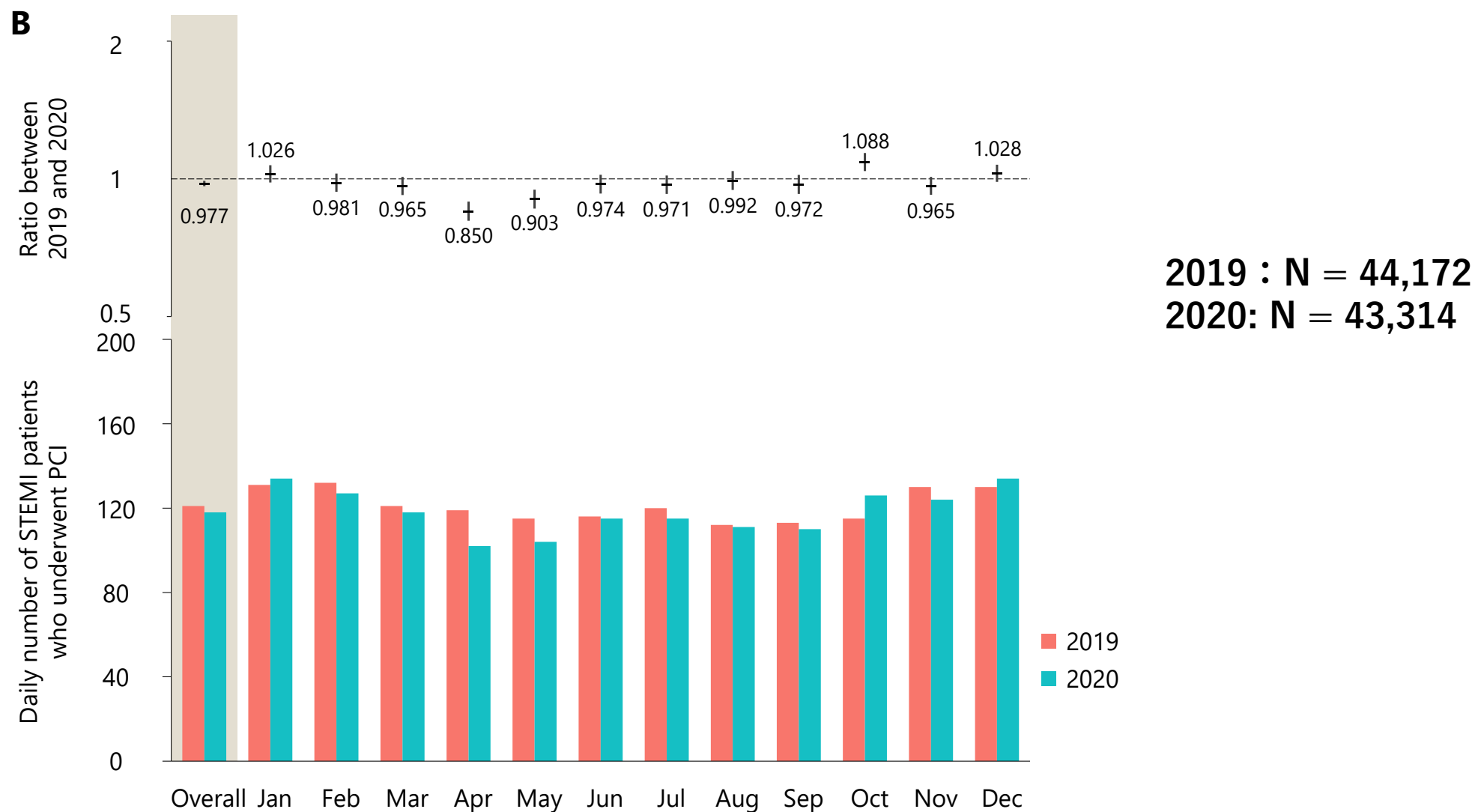
本研究の目的

1. 適正医療の為の、全国レベルの冠動脈疾患診療におけるフィードバック機構の開発
 1. J-PCIデータベースの活用したシステム
 2. フィードバックシステム導入前後での成績変化の評価
-  2. 冠動脈疾患PCI症例の予後調査
 1. フィードバックシステムに反映させ、より堅固なシステム構築

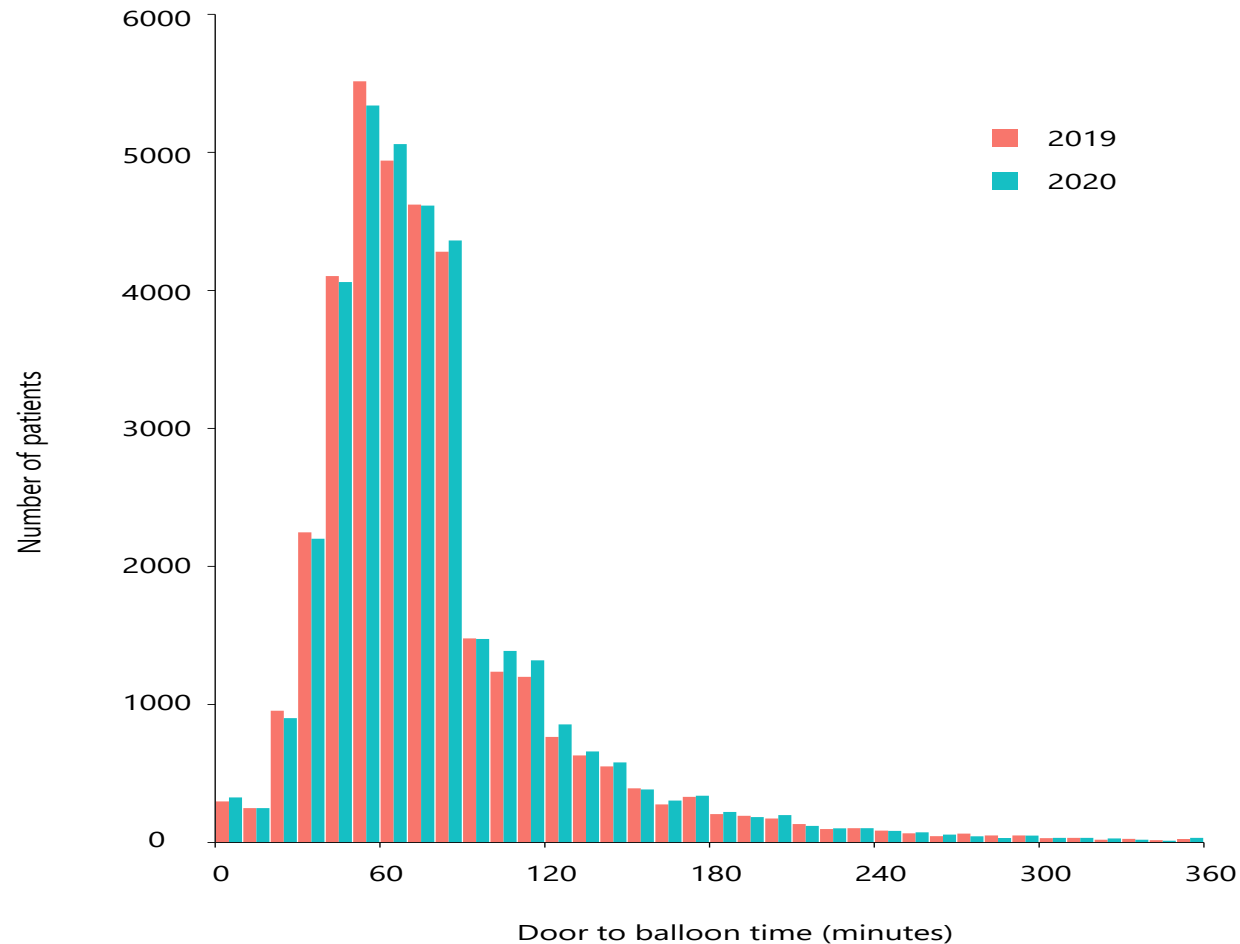
Ratios between 2019 and 2020 for the daily number of patients who underwent PCI in the overall patients



Ratios between 2019 and 2020 for the daily number of patients with STEMI

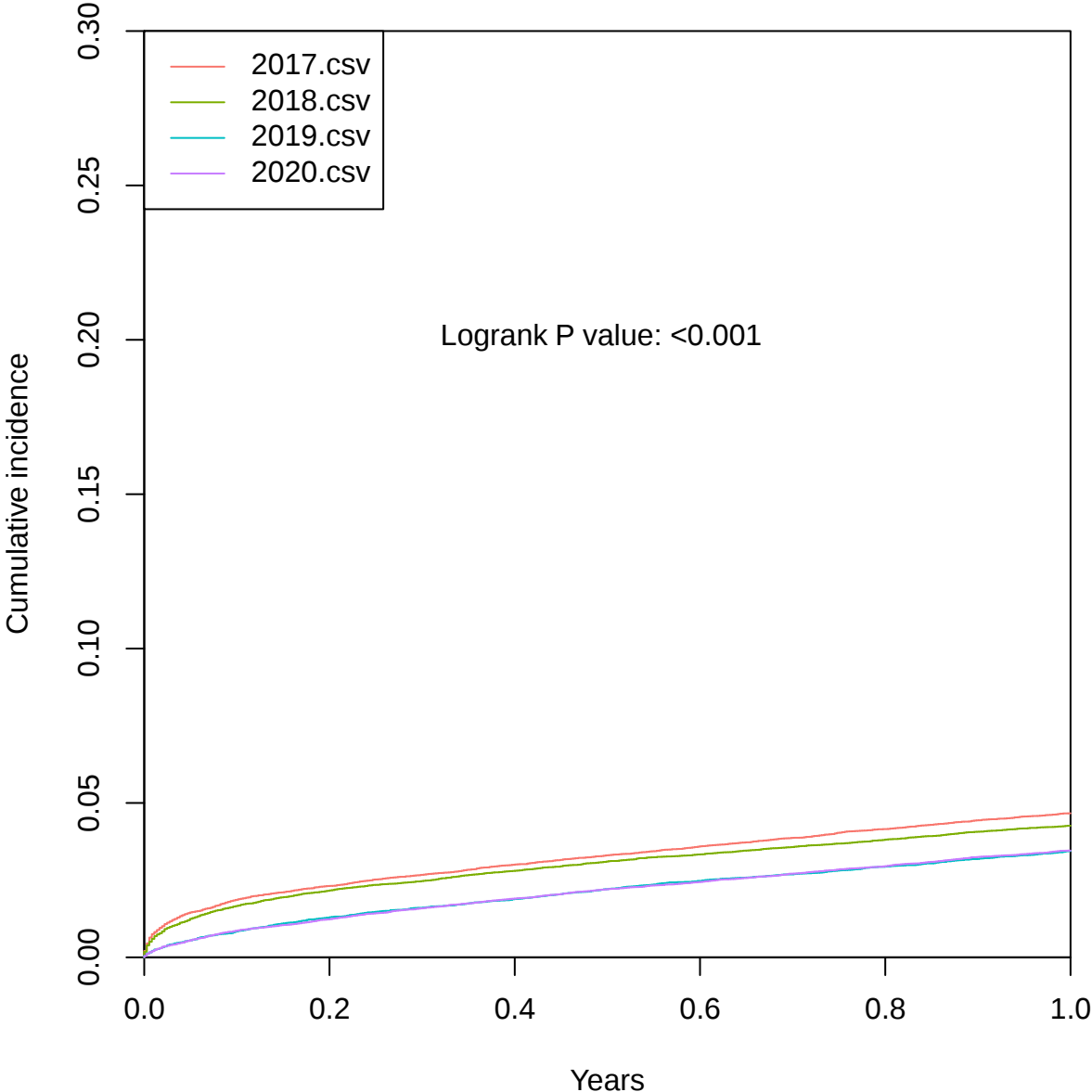


Histogram comparing door-to-balloon time between 2019 and 2020



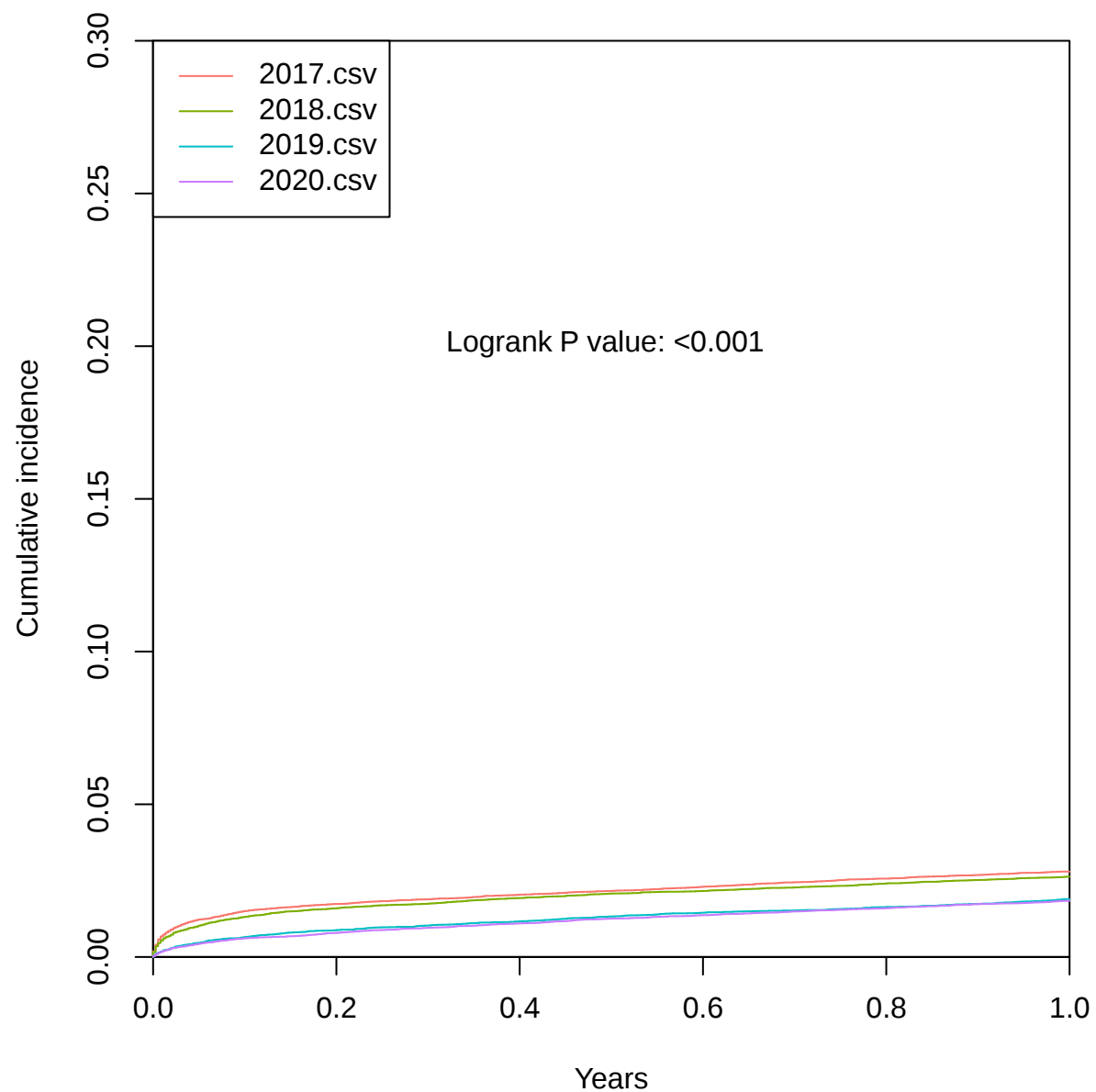
No significant difference in the door-to-balloon time was observed between 2019 (83.2 ± 55.8 min) and 2020 (83.3 ± 53.6 min; $p = 0.78$).

All cause mortality



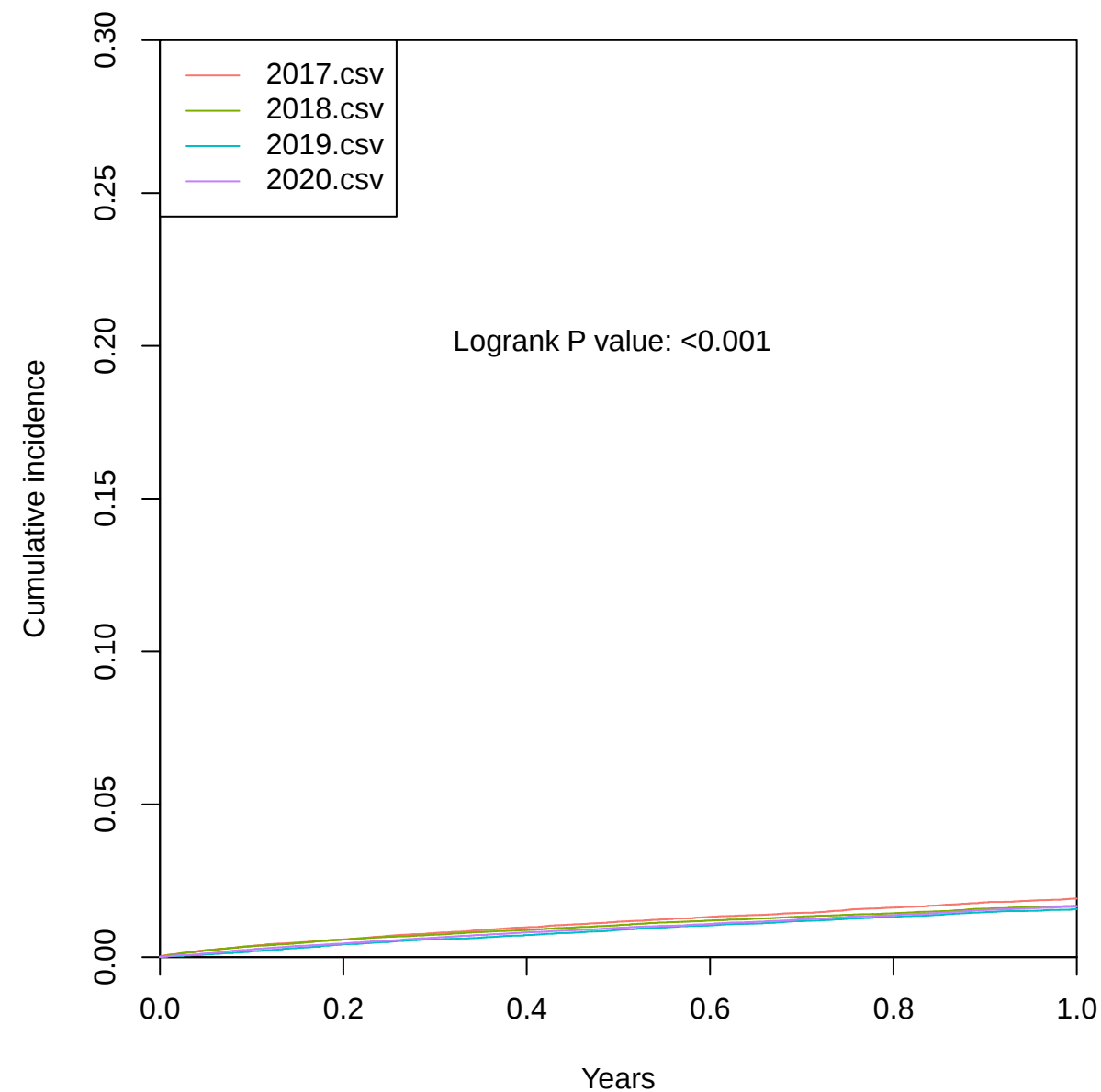
	0	6 months	1 year
2017	80 (0.2%)	1241 (3.3%)	1704 (4.7%)
	38460	34951	28886
2018	77 (0.2%)	1281 (3.1%)	1710 (4.3%)
	42504	38479	30651
2019	15 (0.05%)	590 (2.2%)	883 (3.4%)
	27979	25142	19652
2020	25 (0.04%)	1169 (2.2%)	1768 (3.5%)
	55991	49817	40737

Cardiac death



	0	6 months	1 year
2017	72 (0.2%)	814 (2.2%)	1027 (2.8%)
	38460	34951	28886
2018	69 (0.2%)	859 (2.1%)	1059 (2.6%)
	42504	38479	30651
2019	12 (0.04%)	355 (1.3%)	488 (1.9%)
	27979	25142	19652
2020	20 (0.04%)	667 (1.3%)	942 (1.8%)
	55991	49817	40737

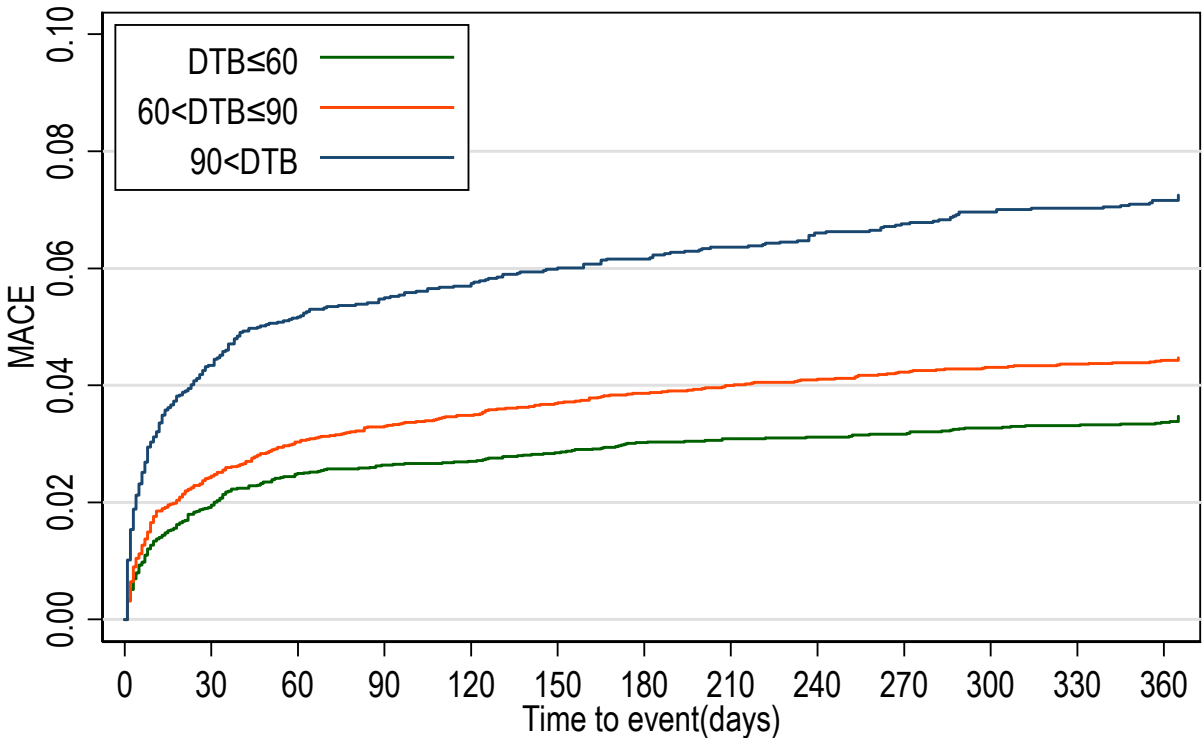
Non-cardiac death



	0	6 months	1 year
2017	8 (0.02%)	425 (1.2%)	674 (1.9%)
	38460	34951	28886
2018	8 (0.02%)	422 (1.0%)	651 (1.7%)
	42504	38479	30651
2019	3 (0.01%)	234 (0.9%)	394 (1.6%)
	27979	25142	19652
2020	5 (0.009%)	501 (1.0%)	825 (1.6%)
	55991	49817	40737

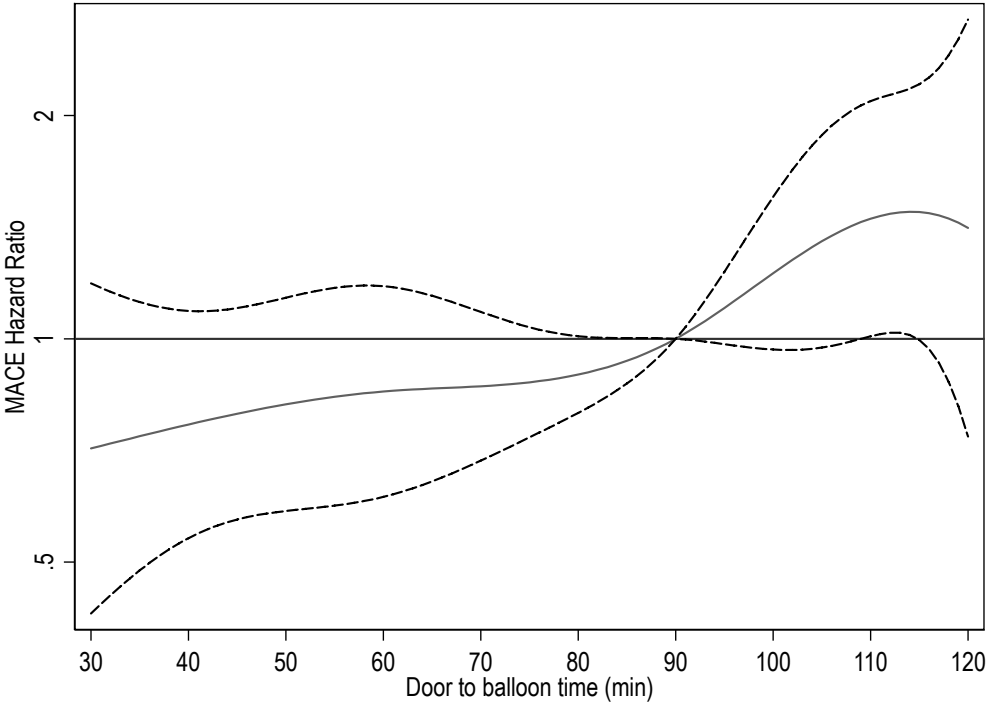
TIME.0	TIME.182.5	TIME.365	ROW_TY
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Association of D2B Time and one-Year Outcomes in hospital survivors of STEMI



Number at risk

DTB≤60	7637	7385	7329	7299	7272
60<DTB≤90	7568	7238	7164	7120	7077
90<DTB	4619	4300	4232	4193	4161



Publications from the J-PCI OUTCOME study

- One-Year Outcome After Percutaneous Coronary Intervention for Acute Coronary Syndrome - An Analysis of 20,042 Patients From a Japanese Nationwide Registry. Sawano M, Kohsaka S, Ishii H, Numasawa Y, Yamaji K, Inohara T, Amano T, Ikari Y, Nakamura M. *Circ J*. 2021 Sep 24;85(10):1756-1767. doi: 10.1253/circj.CJ-21-0098.
- One-year outcome after percutaneous coronary intervention in nonagenarians: Insights from the J-PCI OUTCOME registry. Otowa K, Kohsaka S, Sawano M, Matsuura S, Chikata A, Maruyama M, Usuda K, Watanabe T, Ishii H, Amano T, Nakamura M, Ikari Y. *Am Heart J*. 2022 Apr;246:105-116. doi: 10.1016/j.ahj.2022.01.004.
- Ischemic and Bleeding Outcomes in Patients Who Underwent Percutaneous Coronary Intervention With Chronic Kidney Disease or Dialysis (from a Japanese Nationwide Registry). Tobe A, Sawano M, Kohsaka S, Ishii H, Tanaka A, Numasawa Y, Amano T, Nakamura M, Ikari Y, Murohara T. *Am J Cardiol*. 2023 May 15;195:37-44. doi: 10.1016/j.amjcard.2023.02.027
- One-year outcomes of patients undergoing percutaneous coronary intervention with the revived directional coronary atherectomy catheter: Insights from the J-PCI OUTCOME registry. Numasawa Y, Sawano M, Ishii H, Kohsaka S, Kikuta Y, Matoba T, Amano T, Kozuma K; J-PCI Registry Investigators. *Catheter Cardiovasc Interv*. 2023 Dec;102(7):1229-1237.

Publications from the J-PCI OUTCOME study

- Impact of Sex Differences on Clinical Outcomes in Patients Following Primary Revascularization for Acute Myocardial Infarction - Insights From the Japanese Nationwide Registry. Hoshi T, Sawano M, Kohsaka S, Ishii H, Amano T, Takeuchi T, Takahashi J, Hiraya D, Watabe H, Ishizu T, Kozuma K. *Circ J*. 2024 Apr 27. doi: 10.1253/circj.CJ-23-0966. Online ahead of print.
- Cardiac arrest and post-discharge mortality in patients with myocardial infarction: A large-scale nationwide registry analysis. Ando H, Sawano M, Kohsaka S, Ishii H, Tajima A, Suzuki W, Kunimura A, Nakano Y, Kozuma K, Amano T. *Resusc Plus*. 2024 May 3;18:100647. doi: 10.1016/j.resplu.2024.100647.
- Association of Door-to-Balloon Time and one-Year Outcomes in hospital survivors of ST-elevation myocardial infarction. Sawano M, Kohsaka S, Murugiah K, Ishii H, Yamaji K, Takahashi J, Ozaki K, Amano T, Kozuma K. *J Cardiol*. 2024 Jul 2:S0914-5087(24)00127-8. doi: 10.1016/j.jjcc.2024.06.009