SUMMARY OF J-PCI 2024

J-PCIレジストリー 2024集計結果

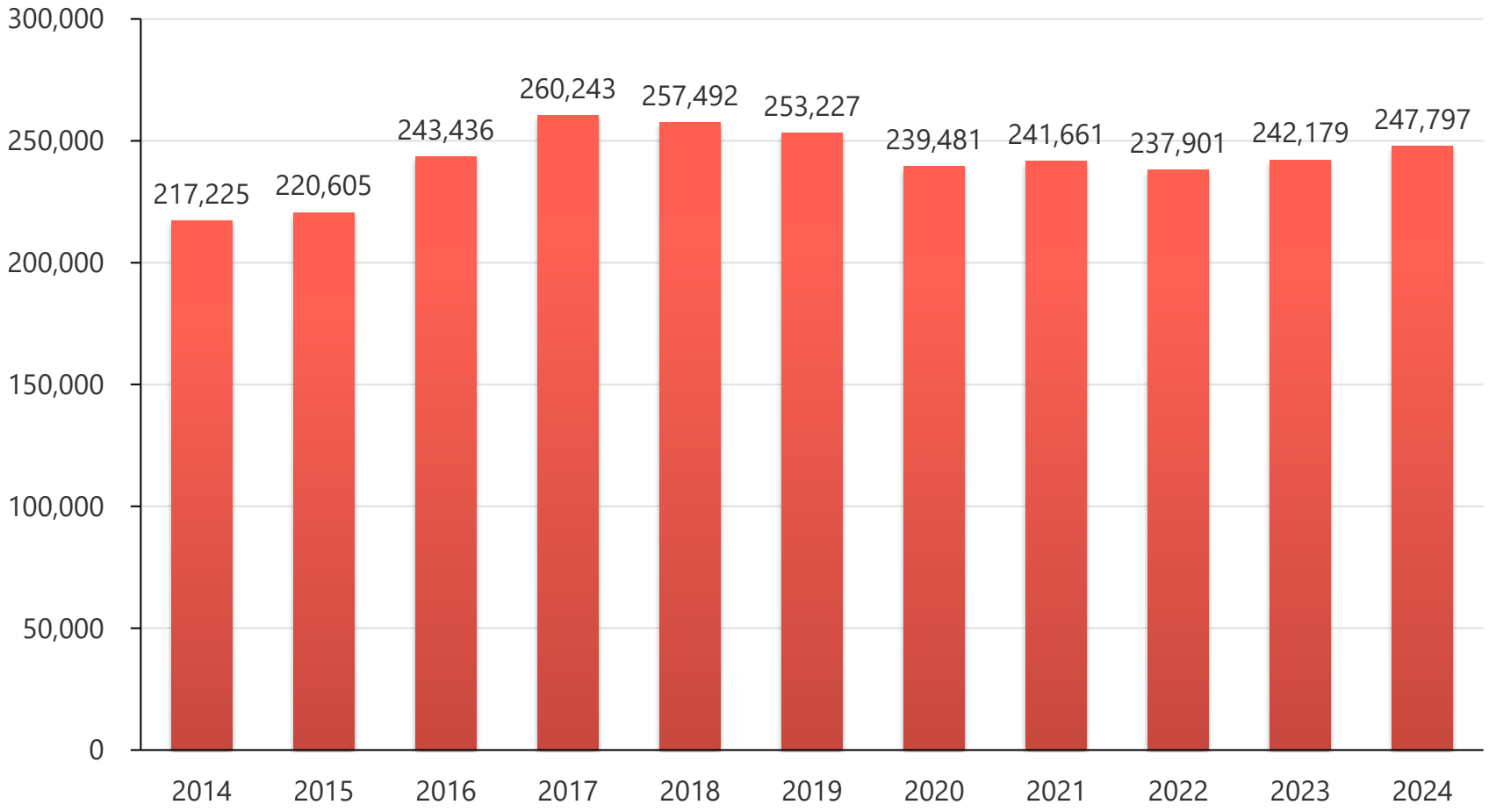
レジストリー委員会
委員長 天野哲也 副委員長 石井秀樹
実務担当 Working Group：
委員長　香坂　俊
山地杏平（J-PCI リーダー；解析担当）
飯田修（J-EVT リーダー）
新家俊郎（J-SHD リーダー）
高原充佳（解析担当）

COI 開示

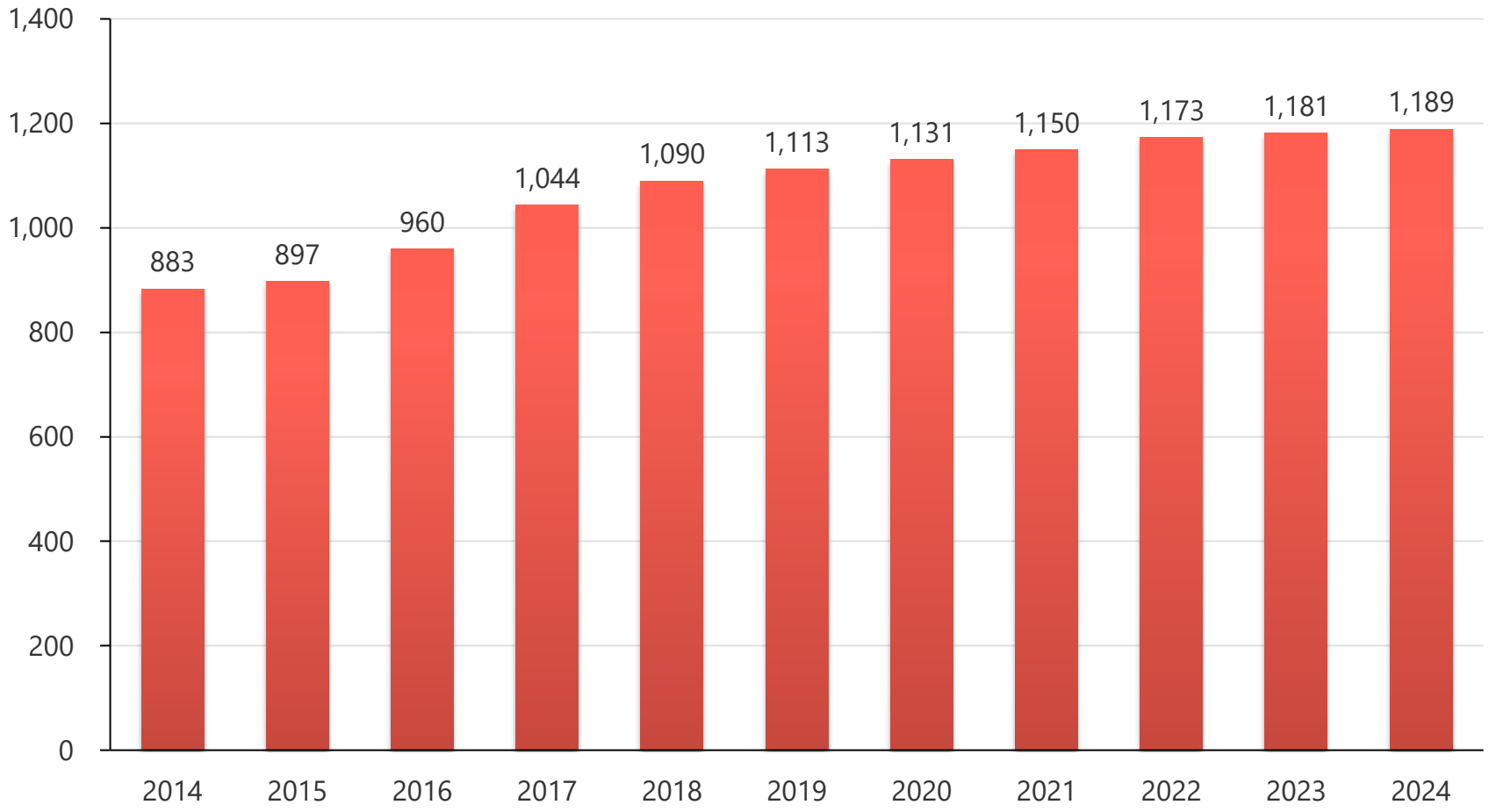
筆頭発表者名：山地 杏平

J-PCI REGISTRY

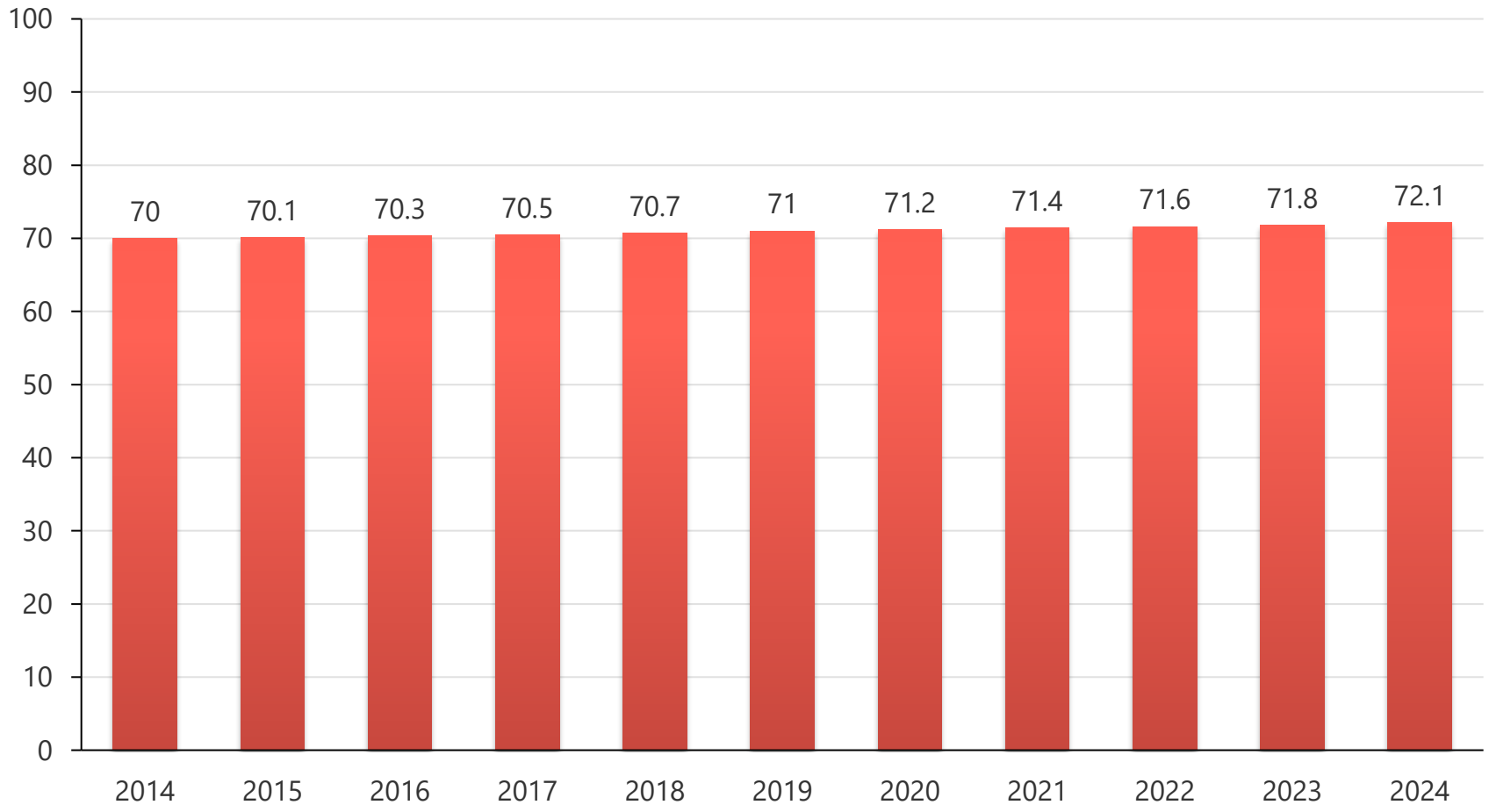
2,413,450 cases



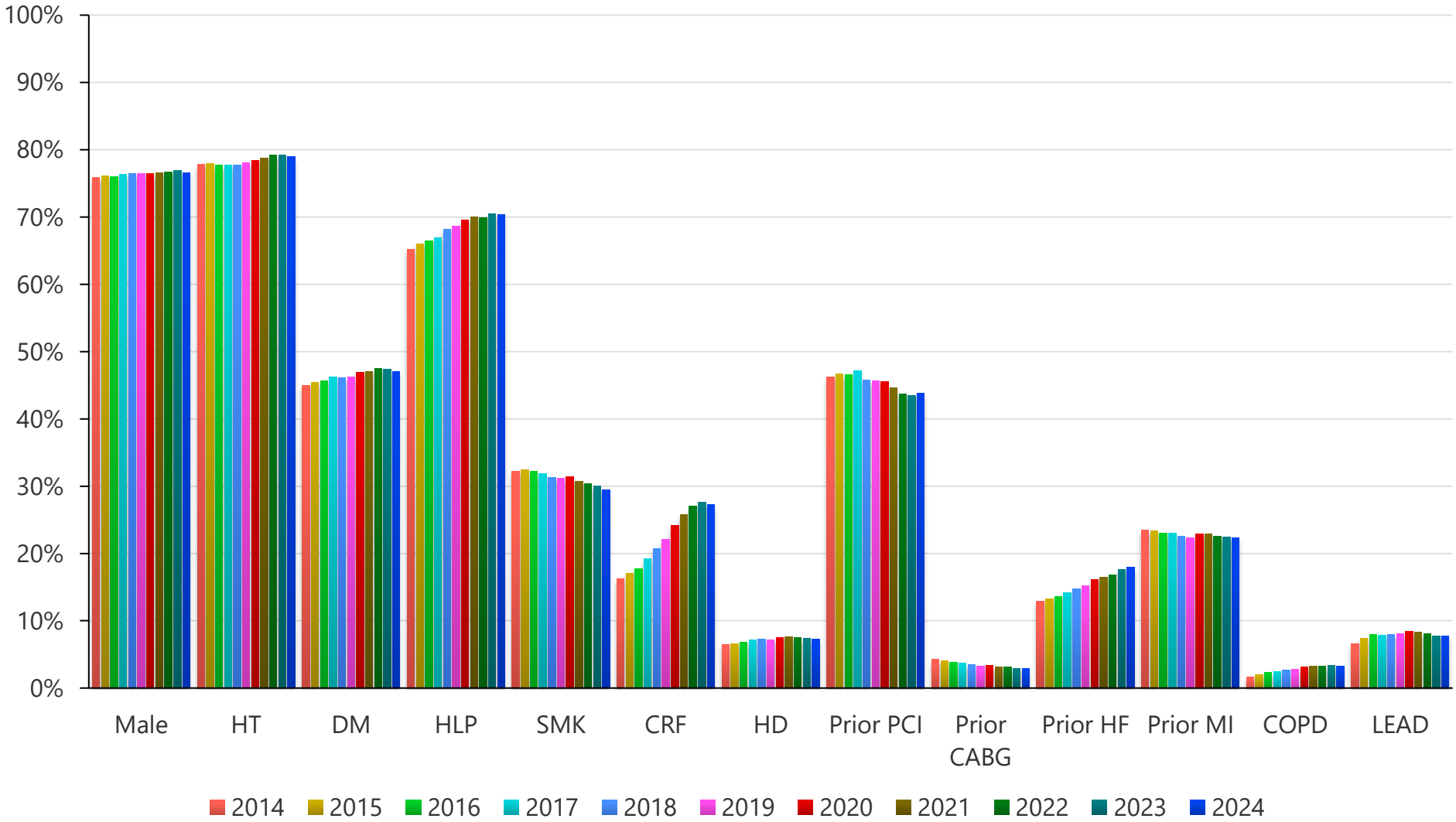
J-PCI INSTITUTES



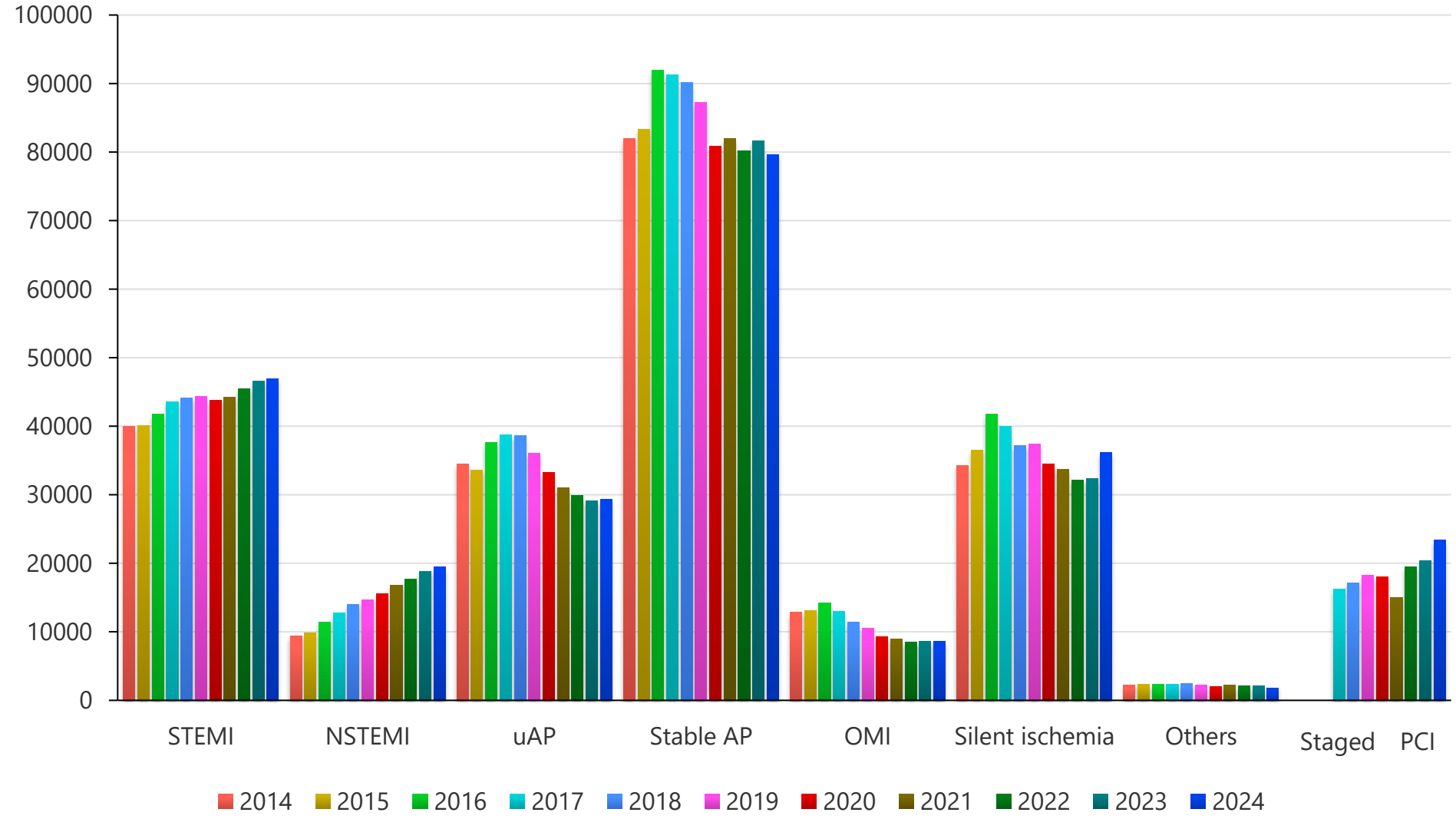
Mean patients' age



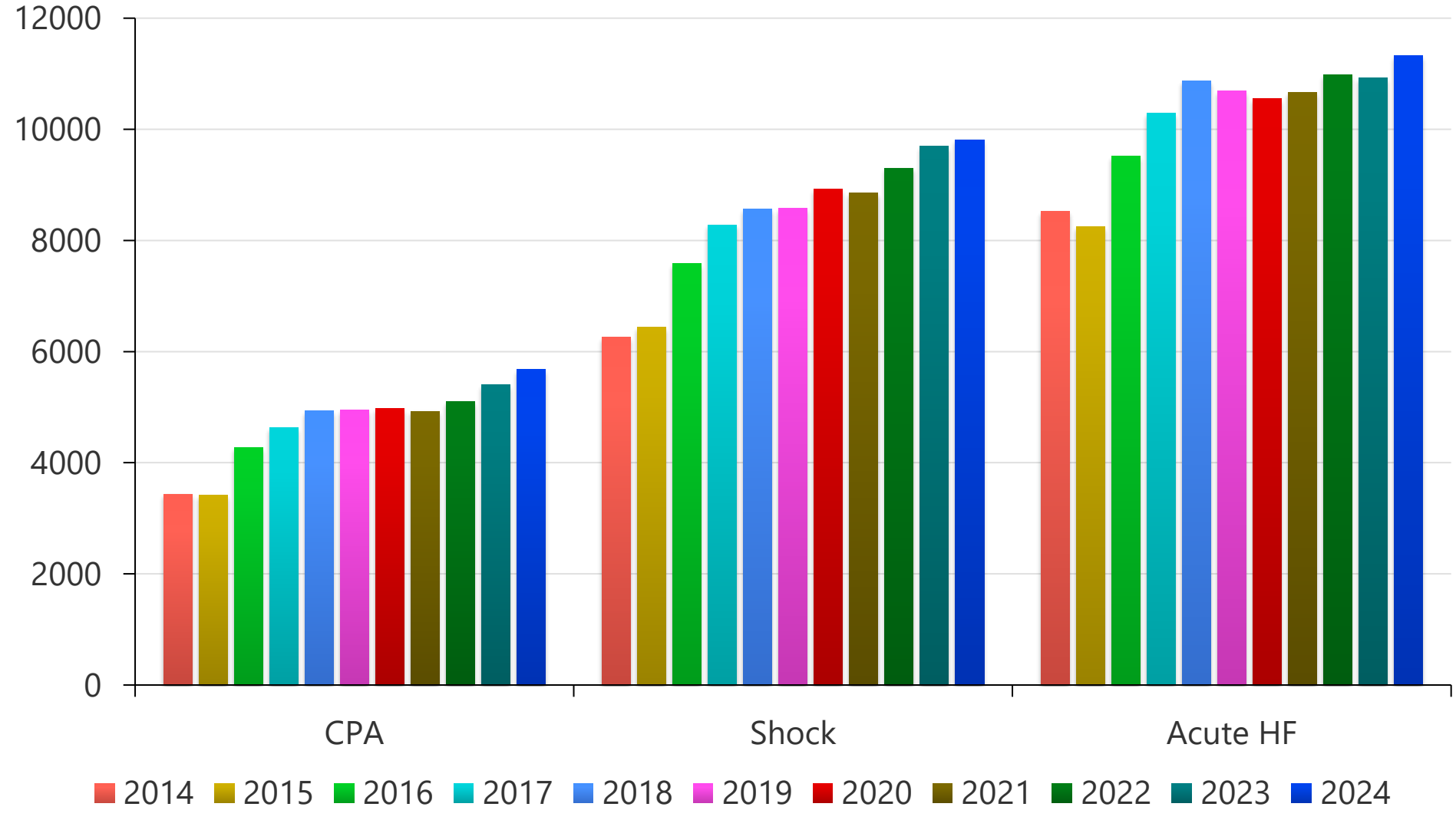
RISK FACTORS



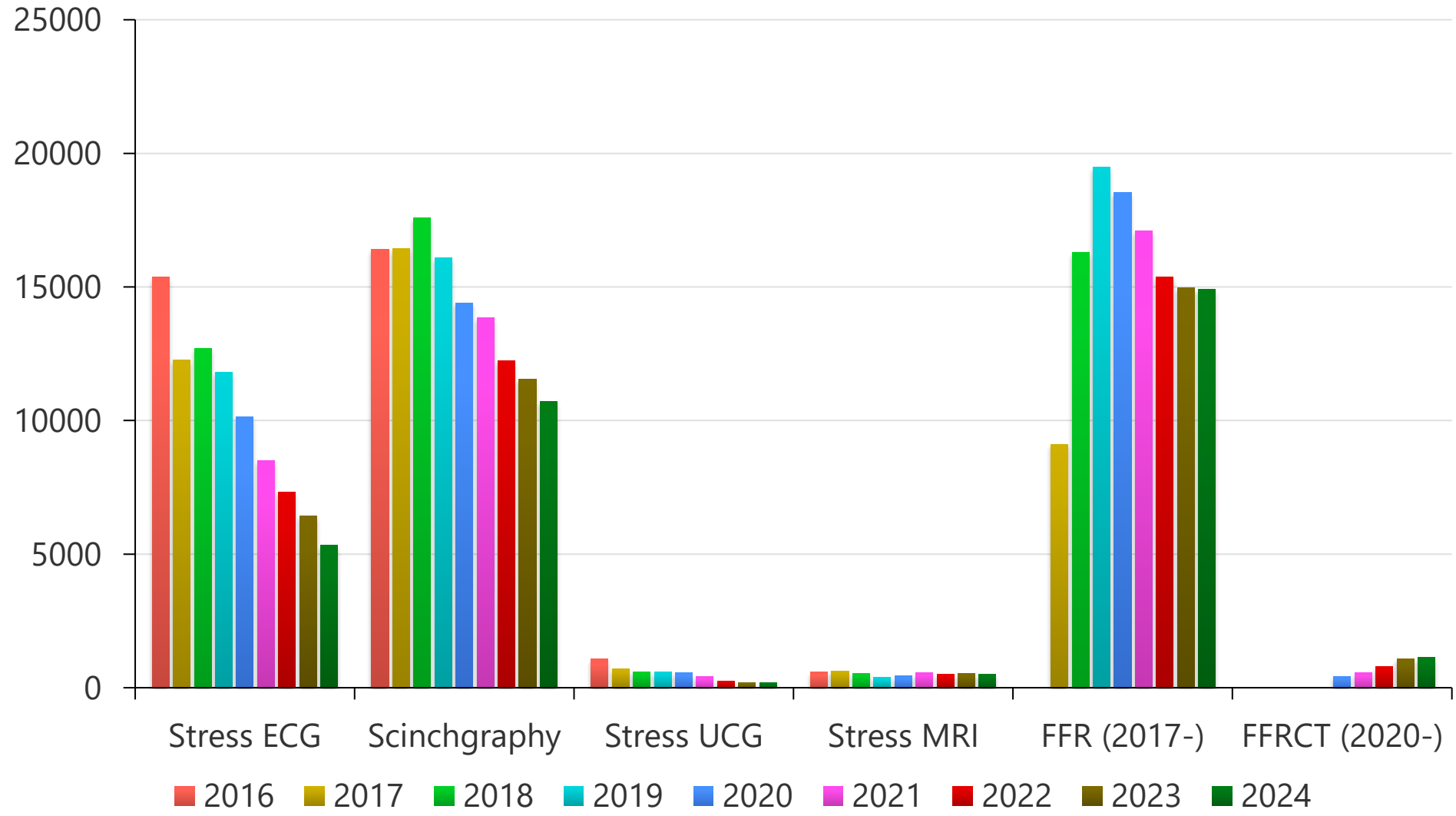
PRESENTATION



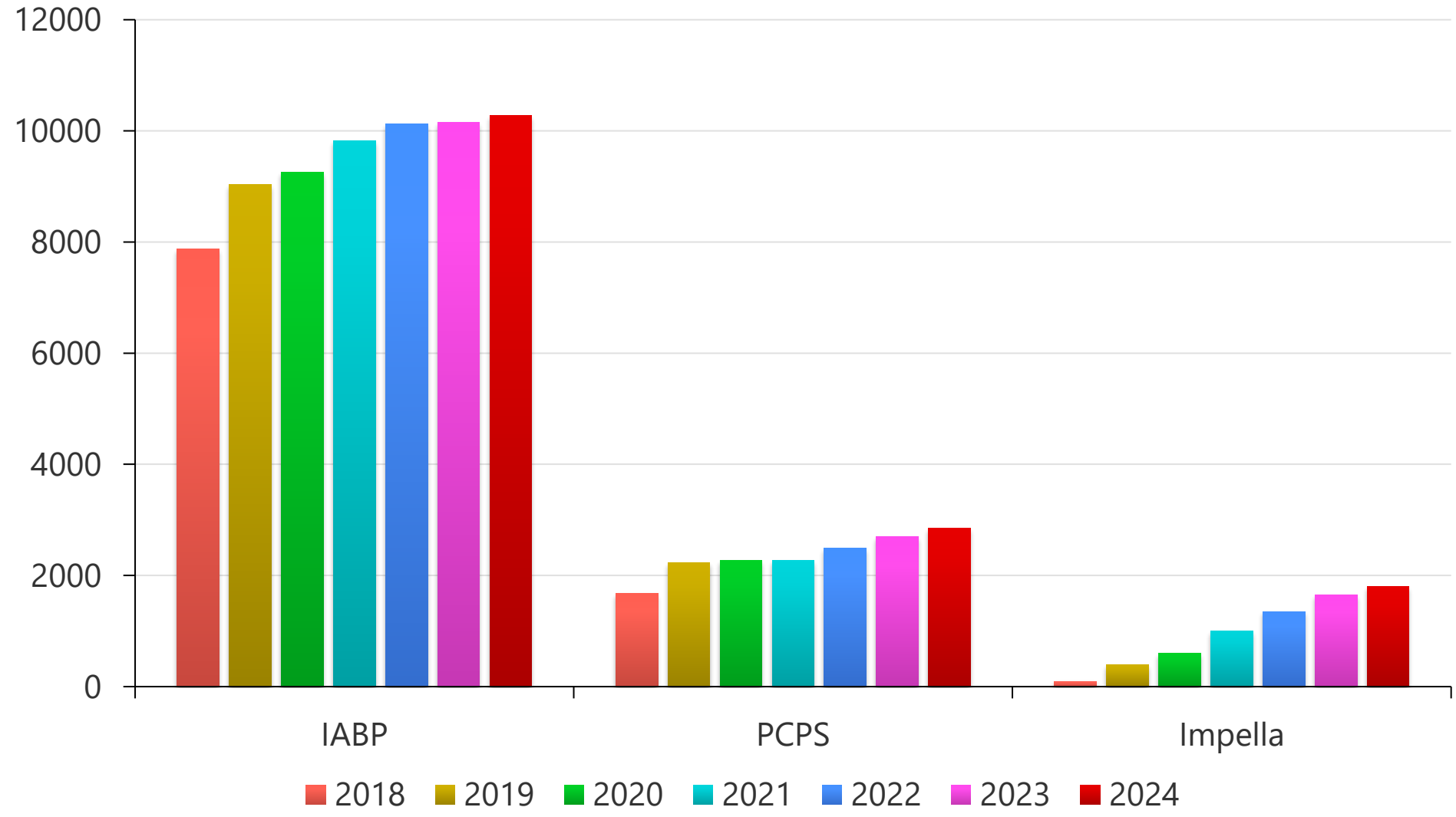
PRESENTATION



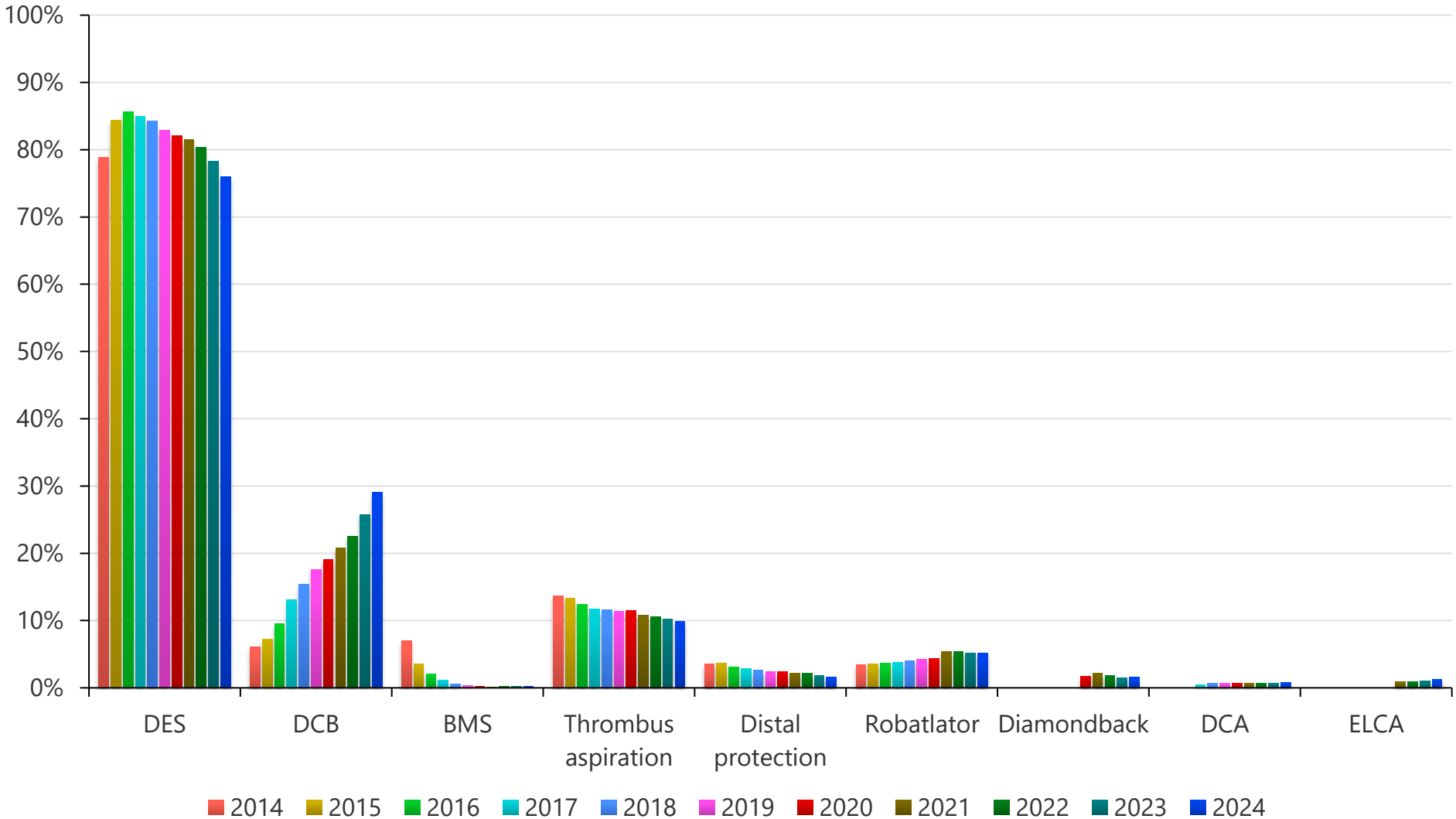
Pre test


25000
20000
15000
10000
5000
0
Stress ECG
Scinchgraphy
Stress UCG
Stress MRI
FFR (2017-)
FFRCT (2020-)
2016
2017
2018
2019
2020
2021
2022
2023
2024

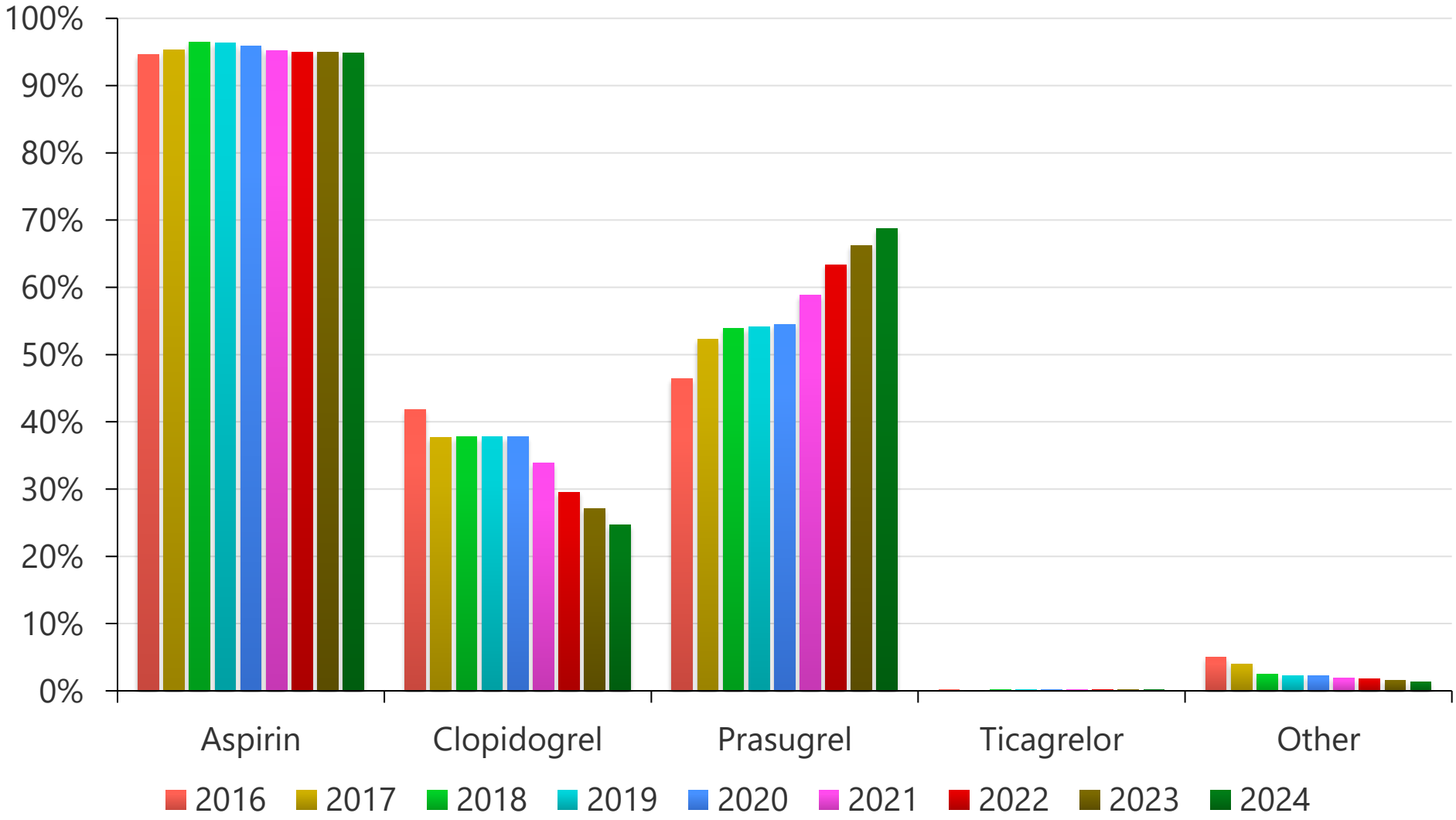
MCS


12000
10000
8000
6000
4000
2000
0
IABP
PCPS
Impella
2018
2019
2020
2021
2022
2023
2024

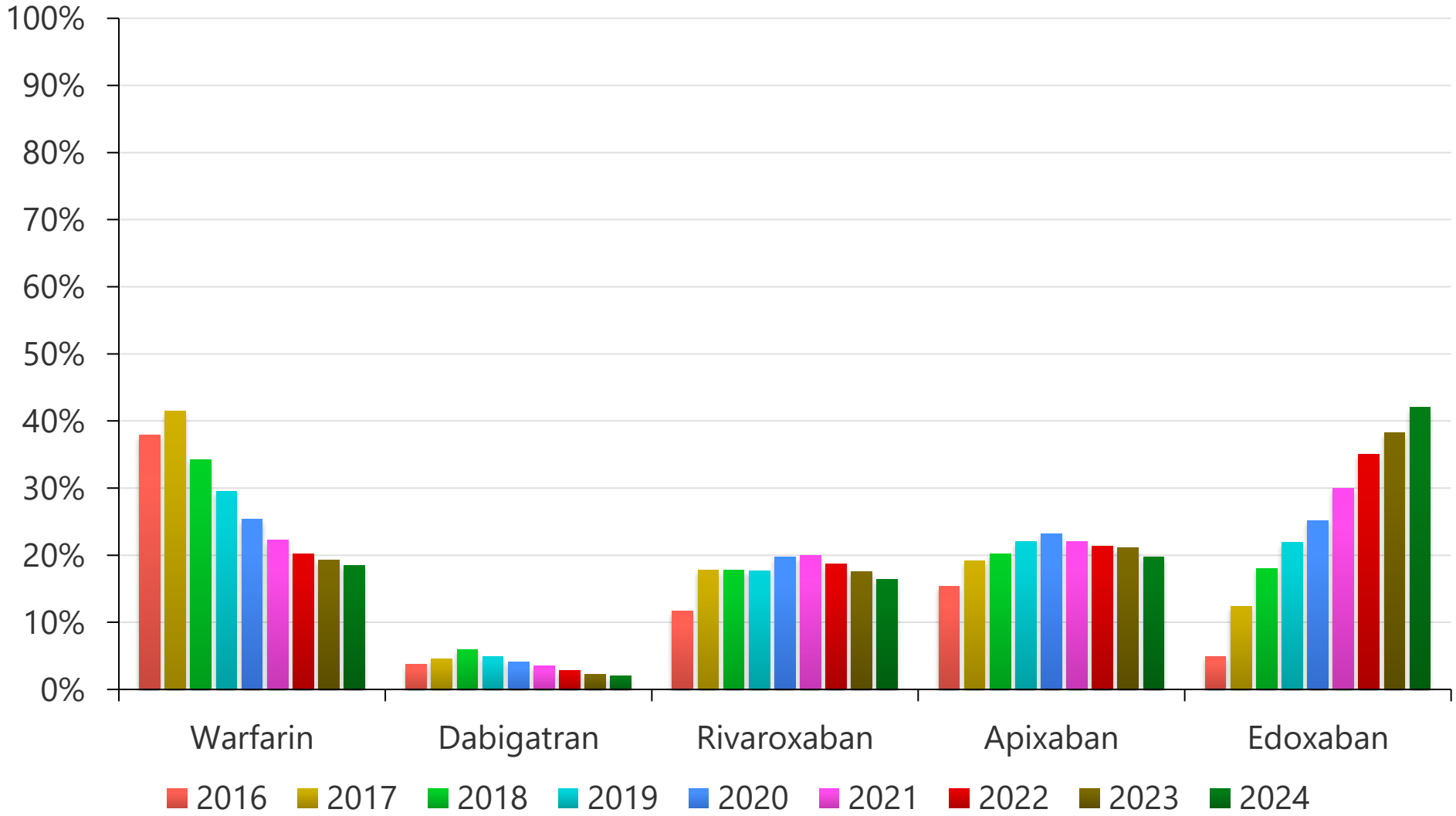
Device used


100%
90%
80%
70%
60%
50%
40%
30%
20%
10%
0%
DES
DCB
BMS
Thrombus aspiration
Distal protection
Robatlator
Diamondback
DCA
ELCA
2014
2015
2016
2017
2018
2019
2020
2021
2022
2023
2024

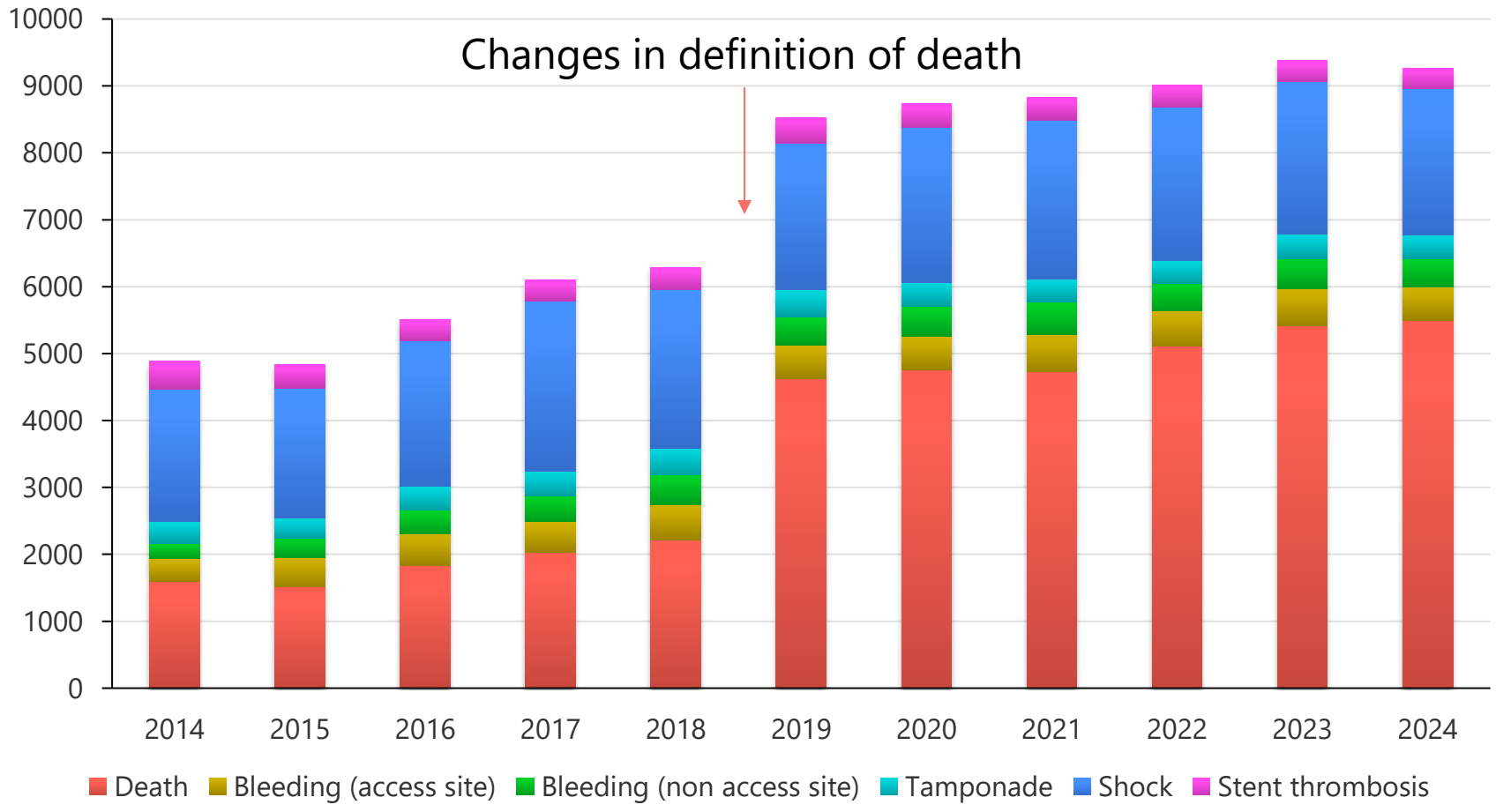
Antiplatelet therapy



ANTICOAGULANTS



COMPLICATIONS



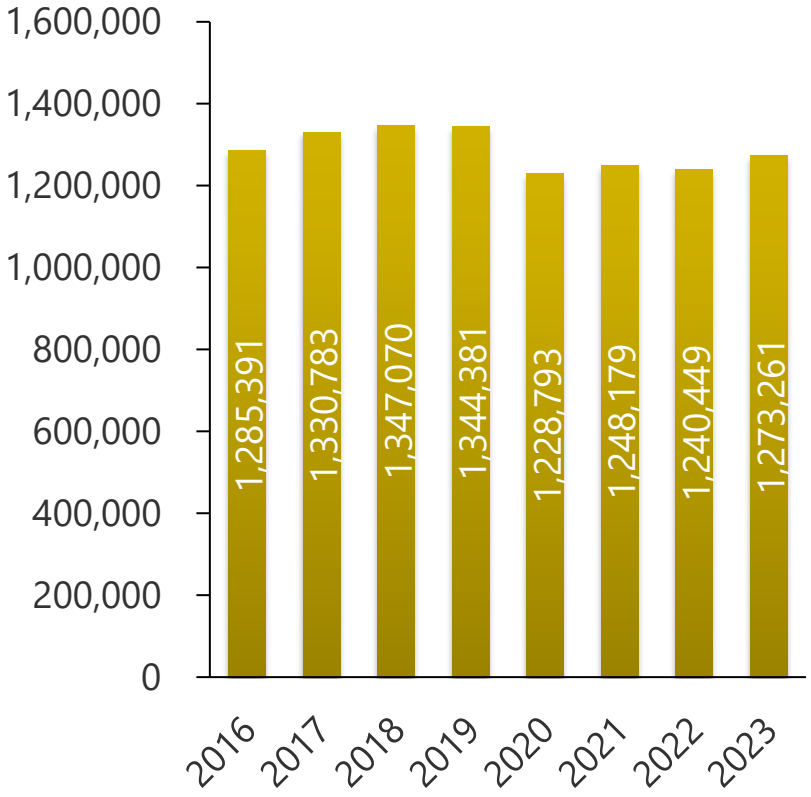
COMPLICATIONS

2024 N=247,179

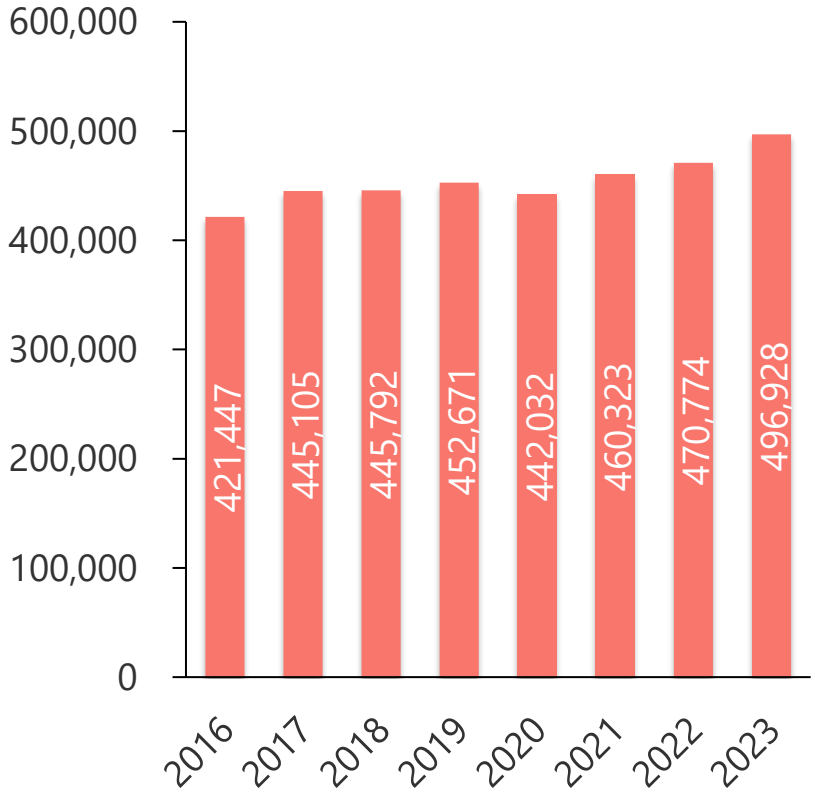
	発生頻度
Death	5492 (2.2%)
Myocardial infarction	1498 (0.6%)
Tamponade	348 (0.1%)
Shock	2192 (0.9%)
Stent thrombosis	303 (0.1%)
Emergency operation	200 (0.1%)
Bleeding (Access site)	505 (0.2%)
Bleeding (Non access site)	423 (0.2%)
Others	1723 (0.7%)

INCREASING TRENDS IN EMERGENCY ADMISSION (DPC)

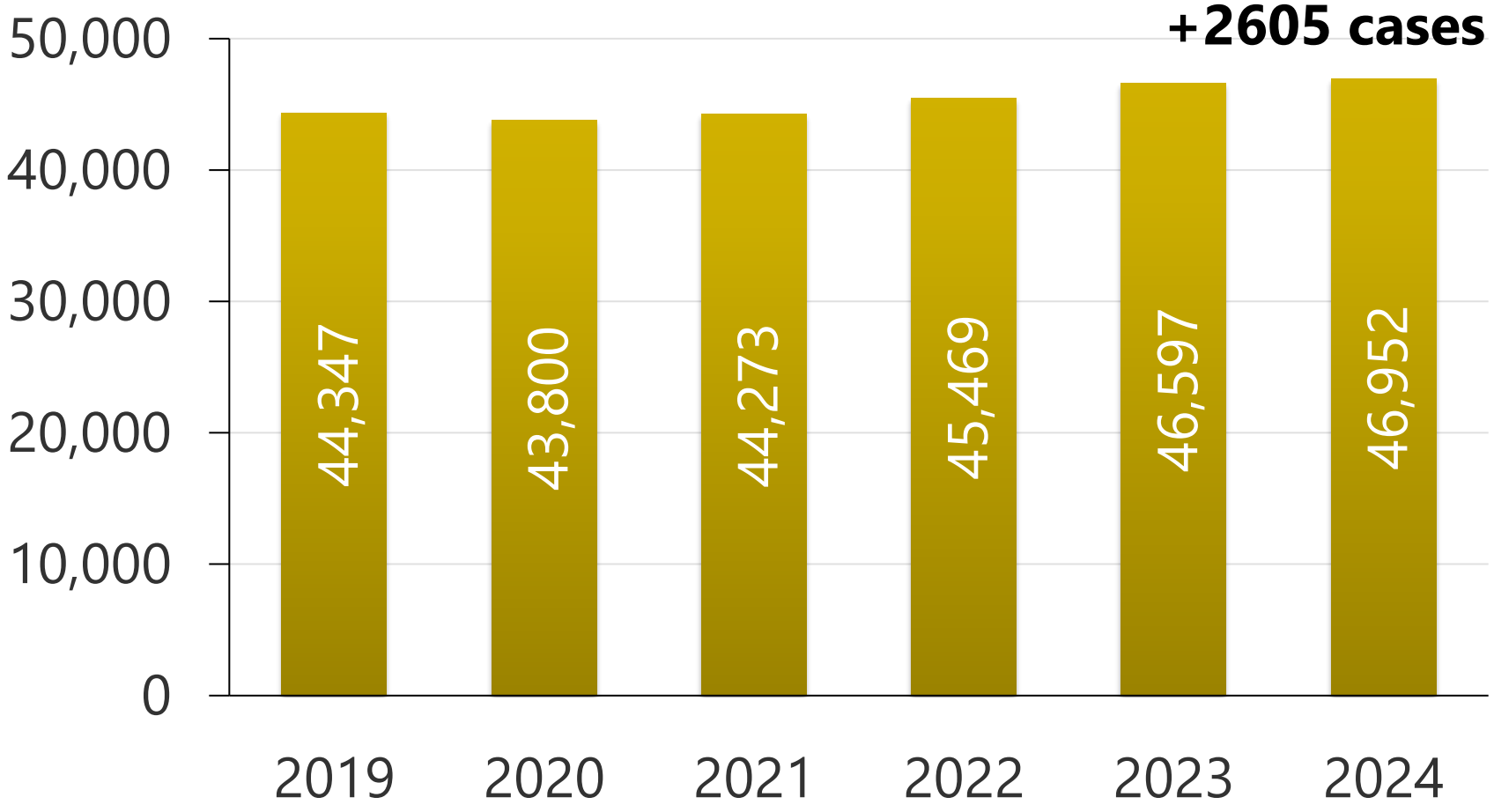
Overall admission



Emergency admission

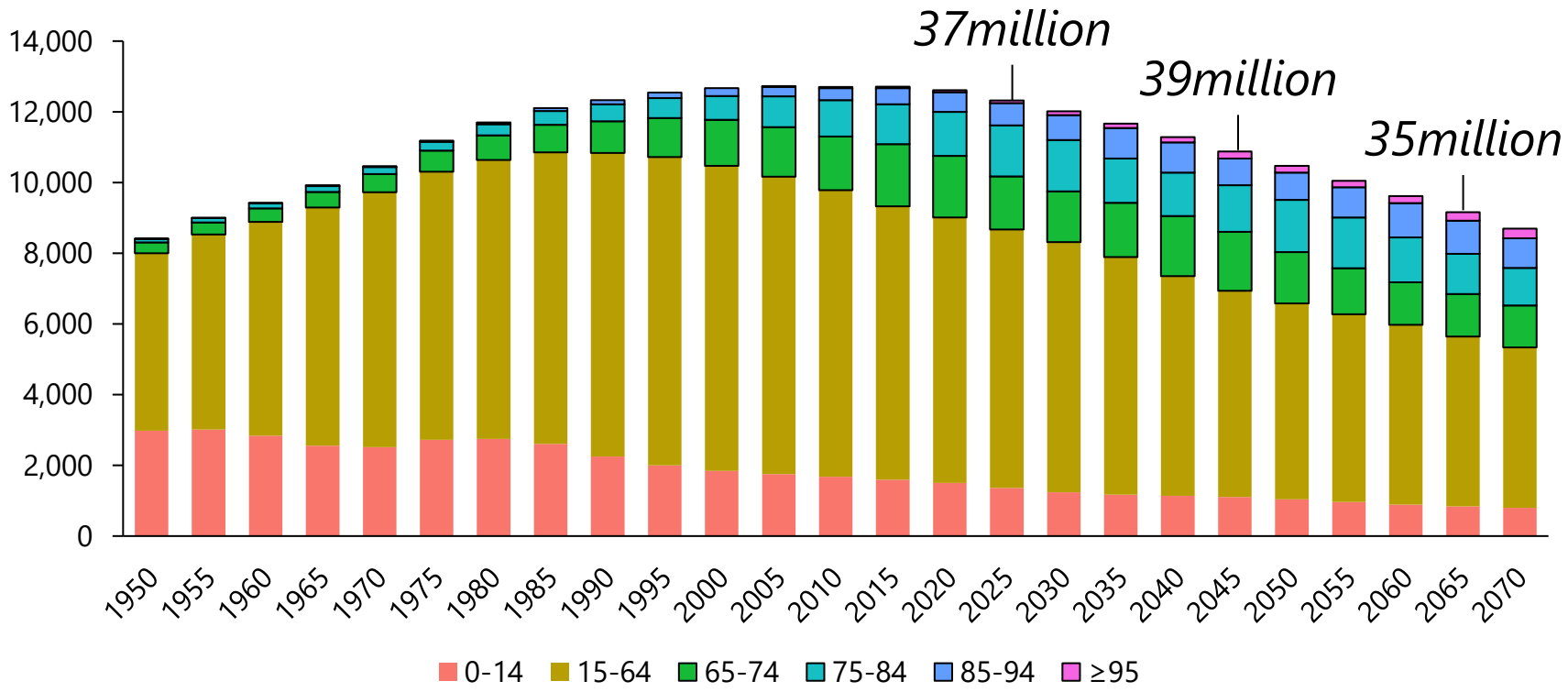


Increasing trends in the incidence of STEMI patients



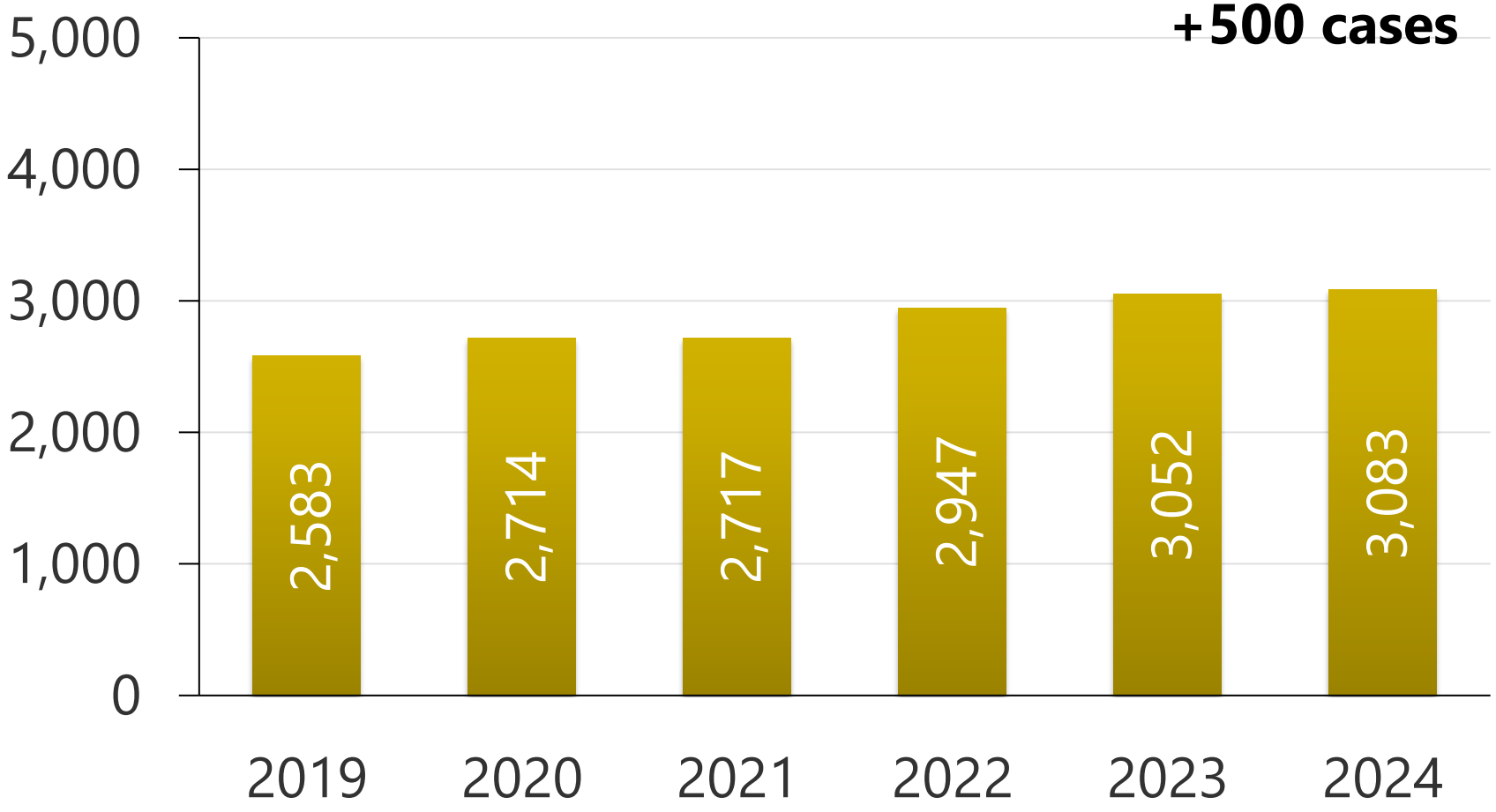
Stable Elderly Population Amid Overall Population Decline

Estimated population aged ≥65



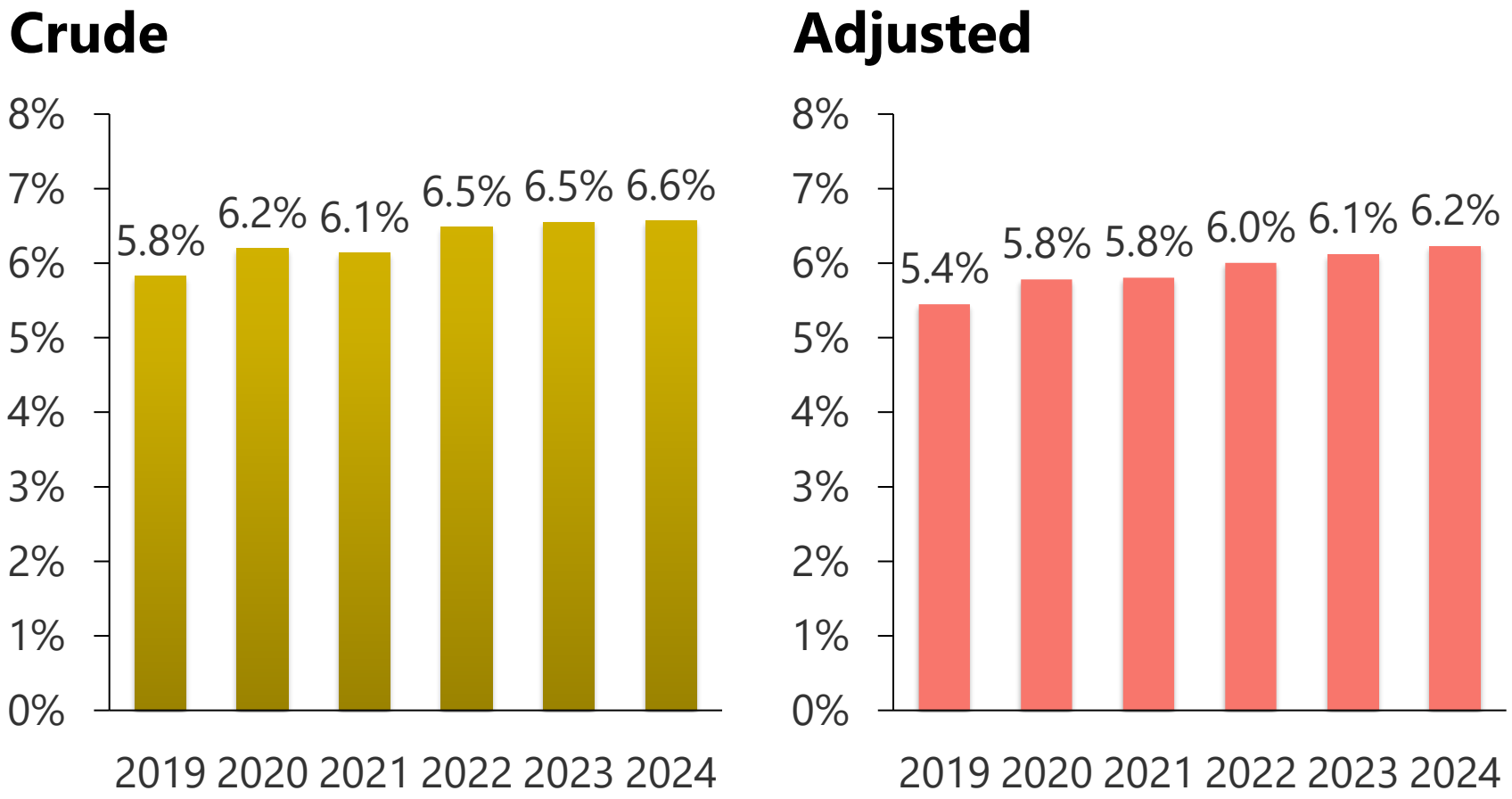
Annual Report on the Ageing Society 2024
(Cabinet Office, Government of Japan)

Increasing Mortality after STEMI PCI



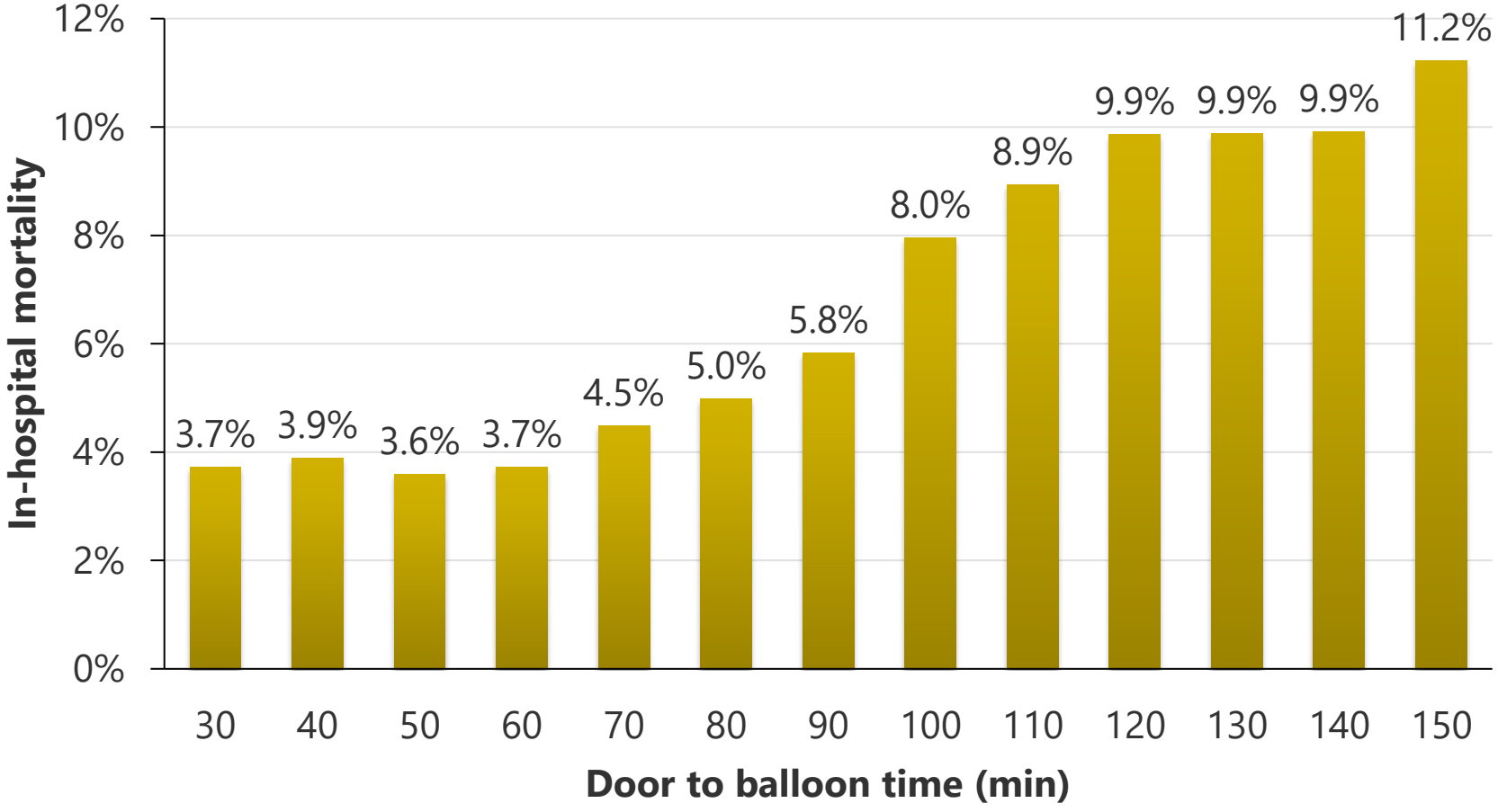
J-PCI registry

INCREASING MORTALITY AFTER STEMI PCI

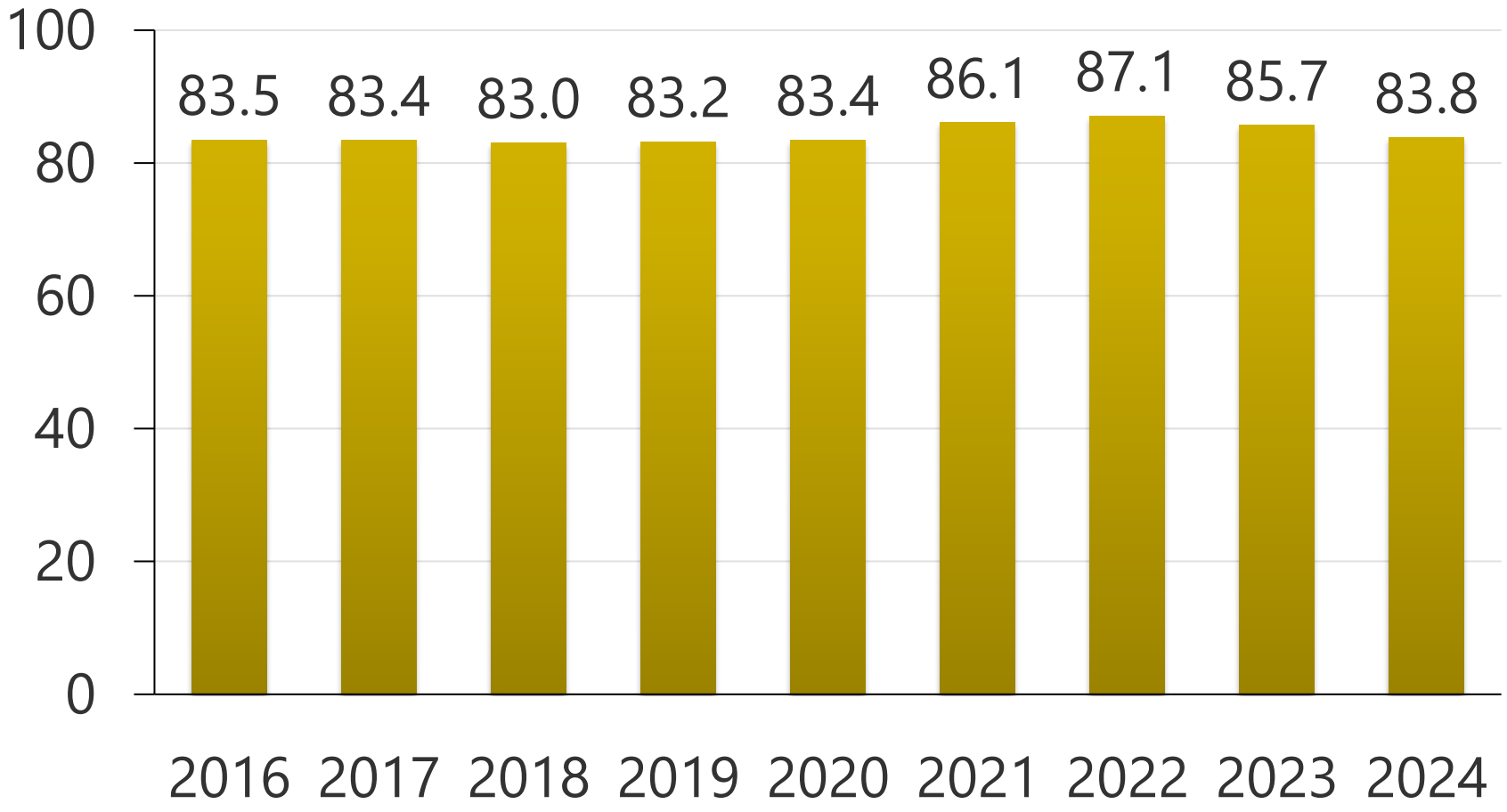


患者年齢、患者性別、糖尿病、高血圧、脂質異常症、喫煙、慢性腎臓病、維持透析、慢性肺疾患、末梢血管障害、心不全の既往、術前24時間以内の心肺停止、術前24時間以内の心原性ショック、術前24時間以内の急性心不全

Door to balloon time and IH-hospital mortality



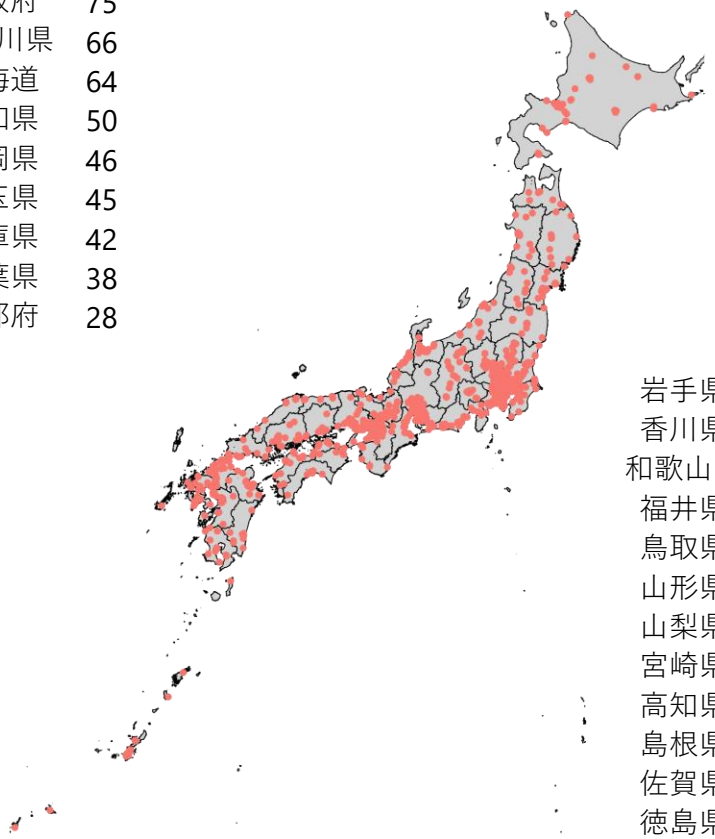
Mean door to ballon time



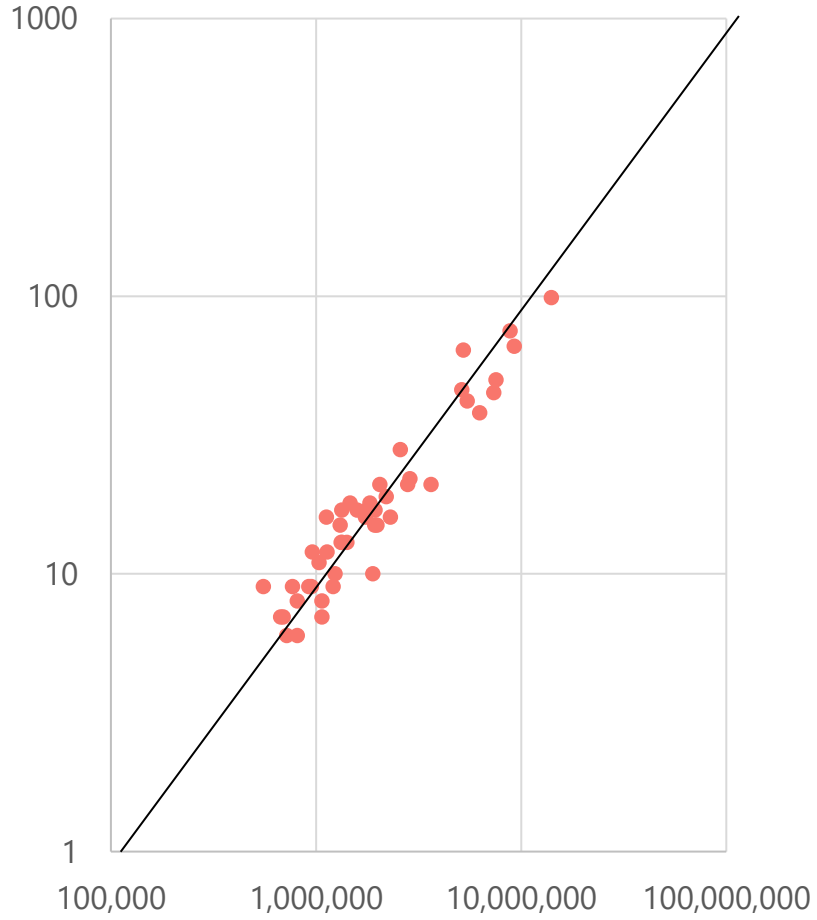
J-PCI registry

Institutes for MI patients (DPC 2023)

東京都	99
大阪府	75
神奈川県	66
北海道	64
愛知県	50
福岡県	46
埼玉県	45
兵庫県	42
千葉県	38
京都府	28

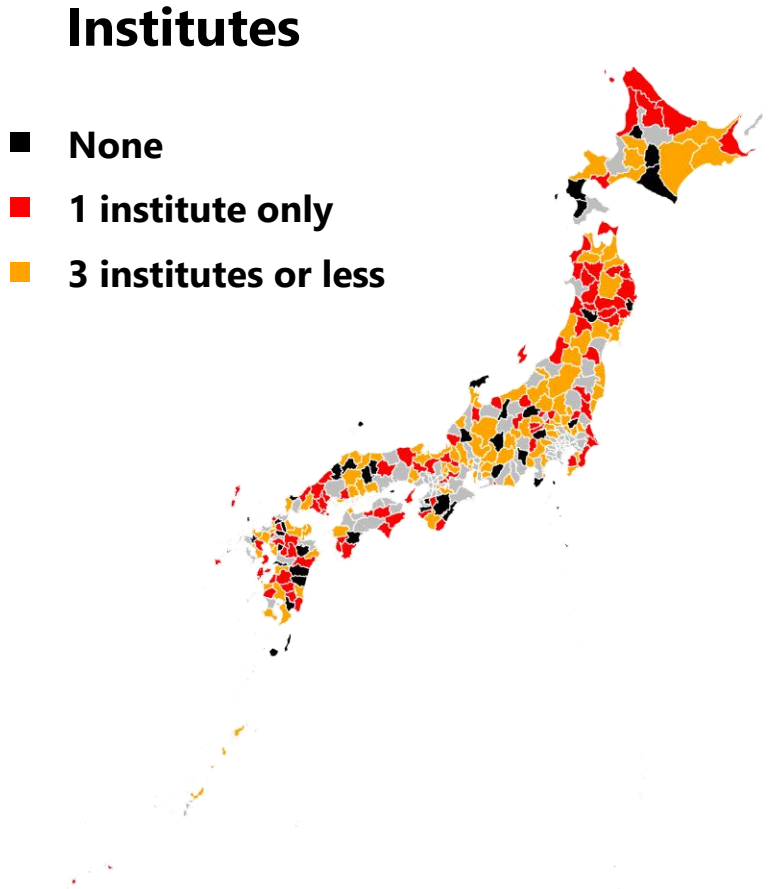


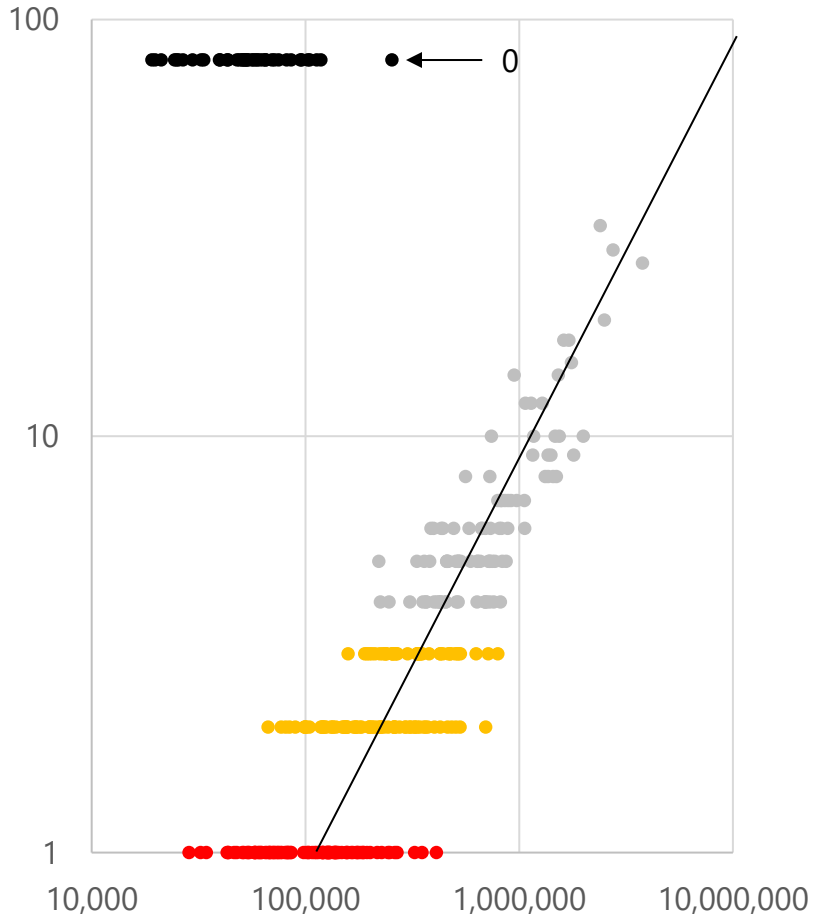
岩手県	9
香川県	9
和歌山県	9
福井県	9
鳥取県	9
山形県	8
山梨県	8
宮崎県	7
高知県	7
島根県	7
佐賀県	6
徳島県	6



1042 MI institutes for a population of 126,146,099 (121,061/institutes)

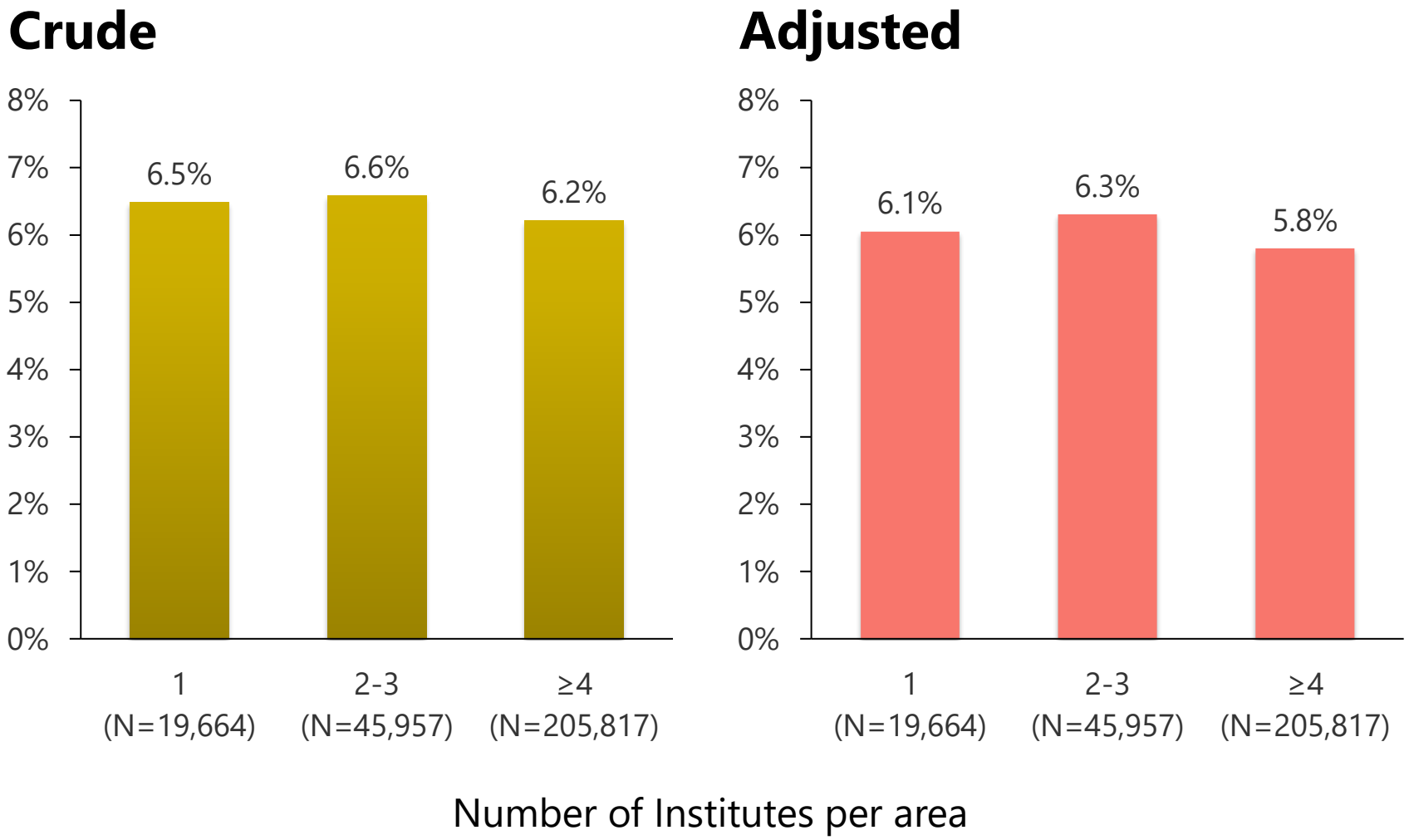
Institutes for MI patients (DPC 2023)



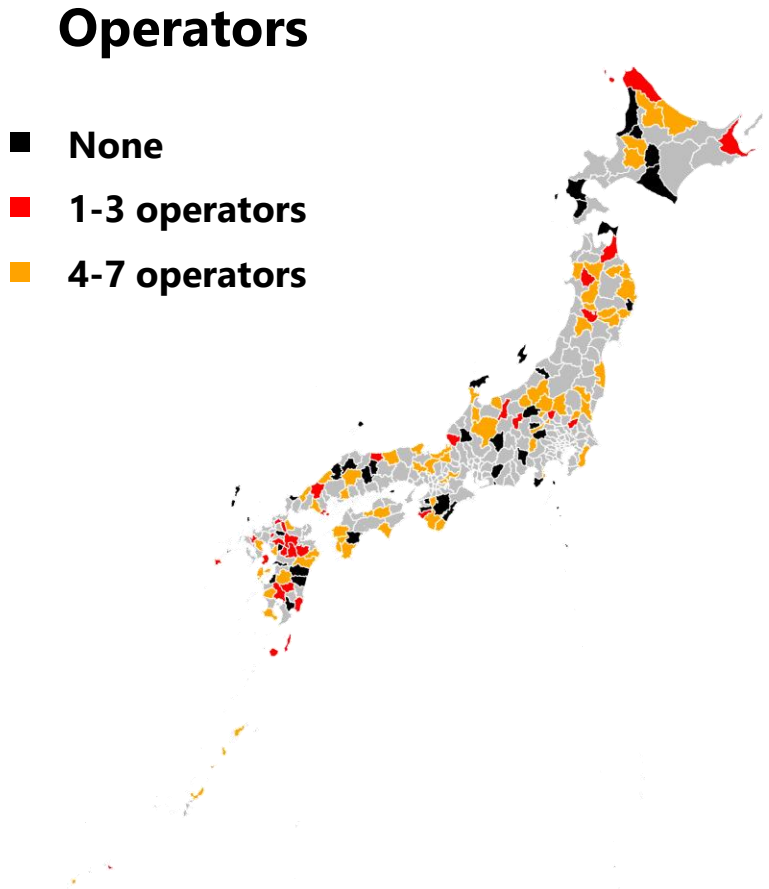


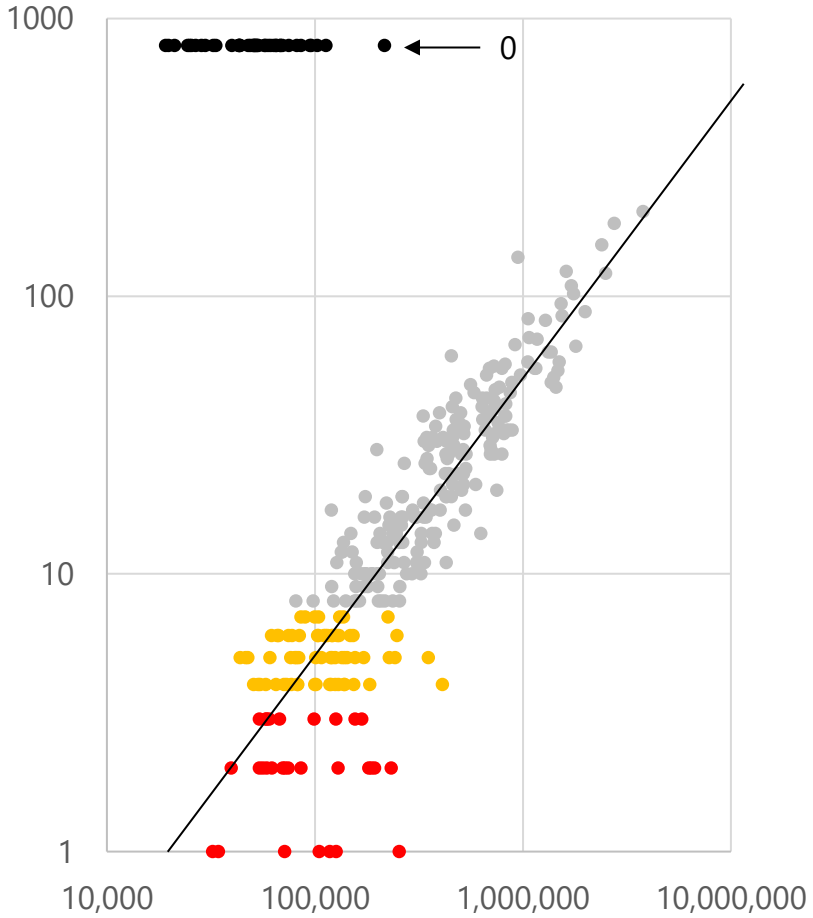
1042 MI institutes for a population of 126,146,099 (121,061/institutes)

No apparent association between mortality and number of institutes per Area



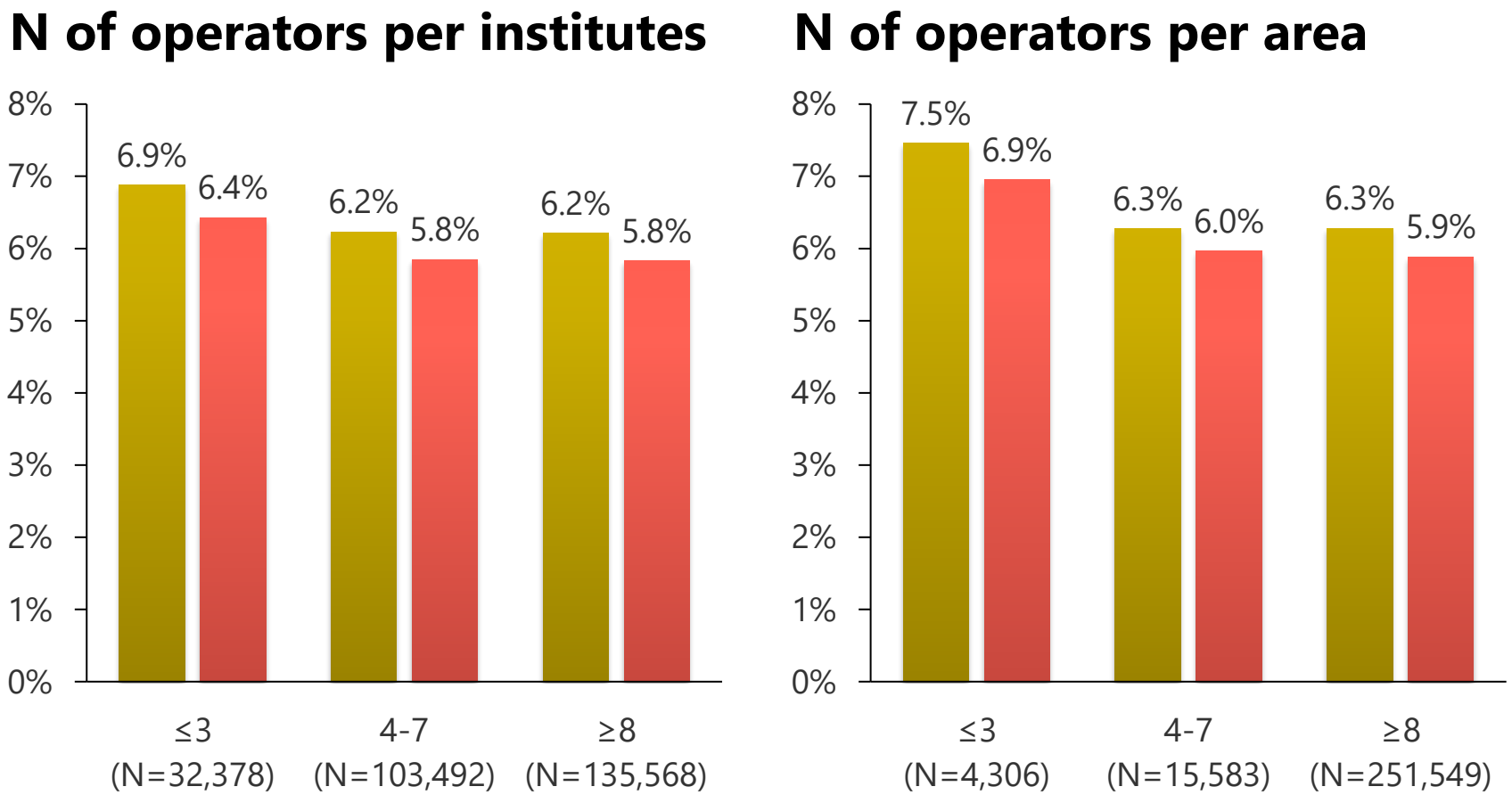
RURAL REGIONS LACK A SUFFICIENT NUMBER OF OPERATORS.





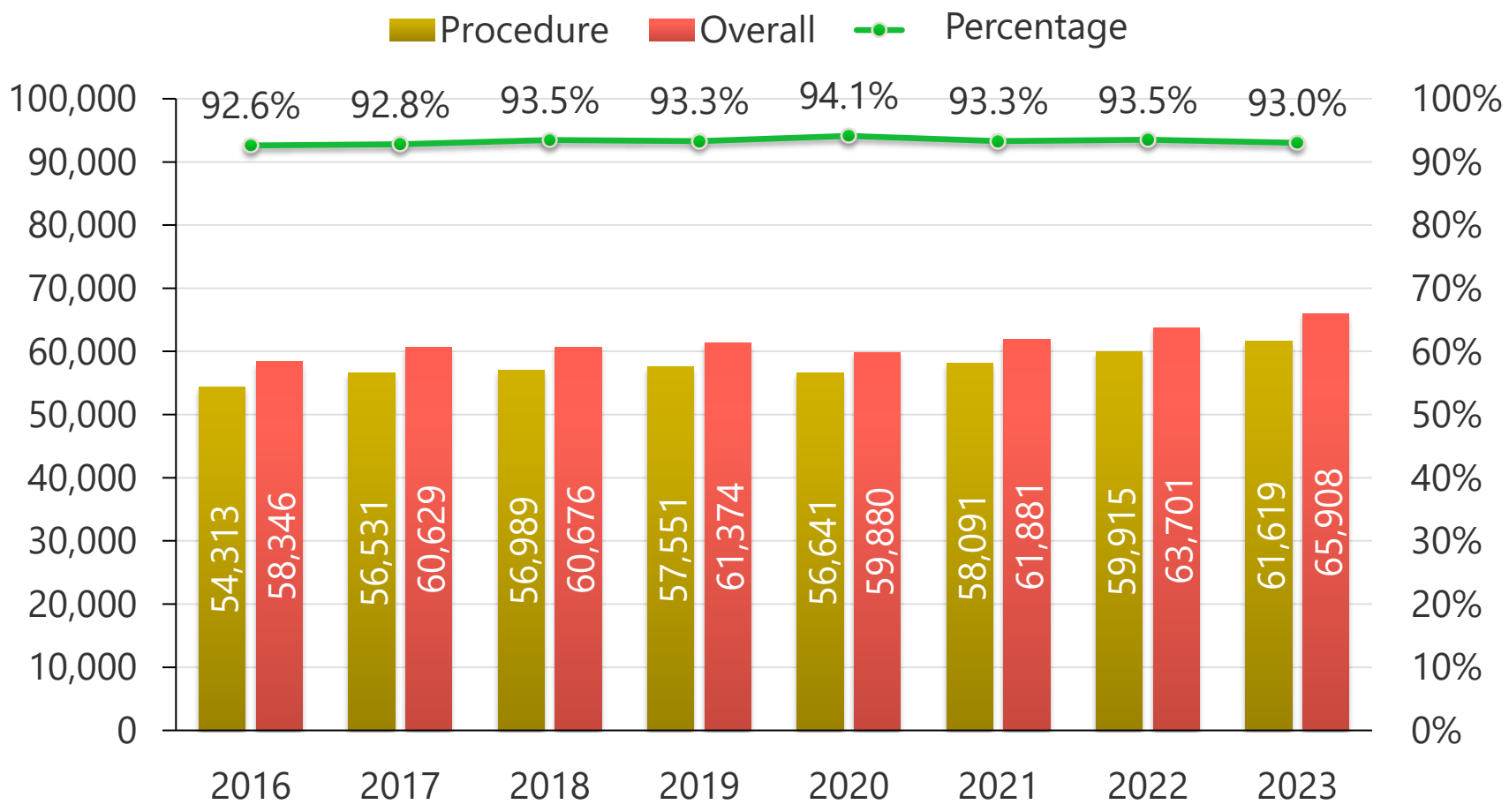
6139 STEMI operators for a population of 126,146,099 (20,548/operators)

HIGHER MORTALITY IN INSTITUTES OR AREAS WITH FEWER OPERATORS



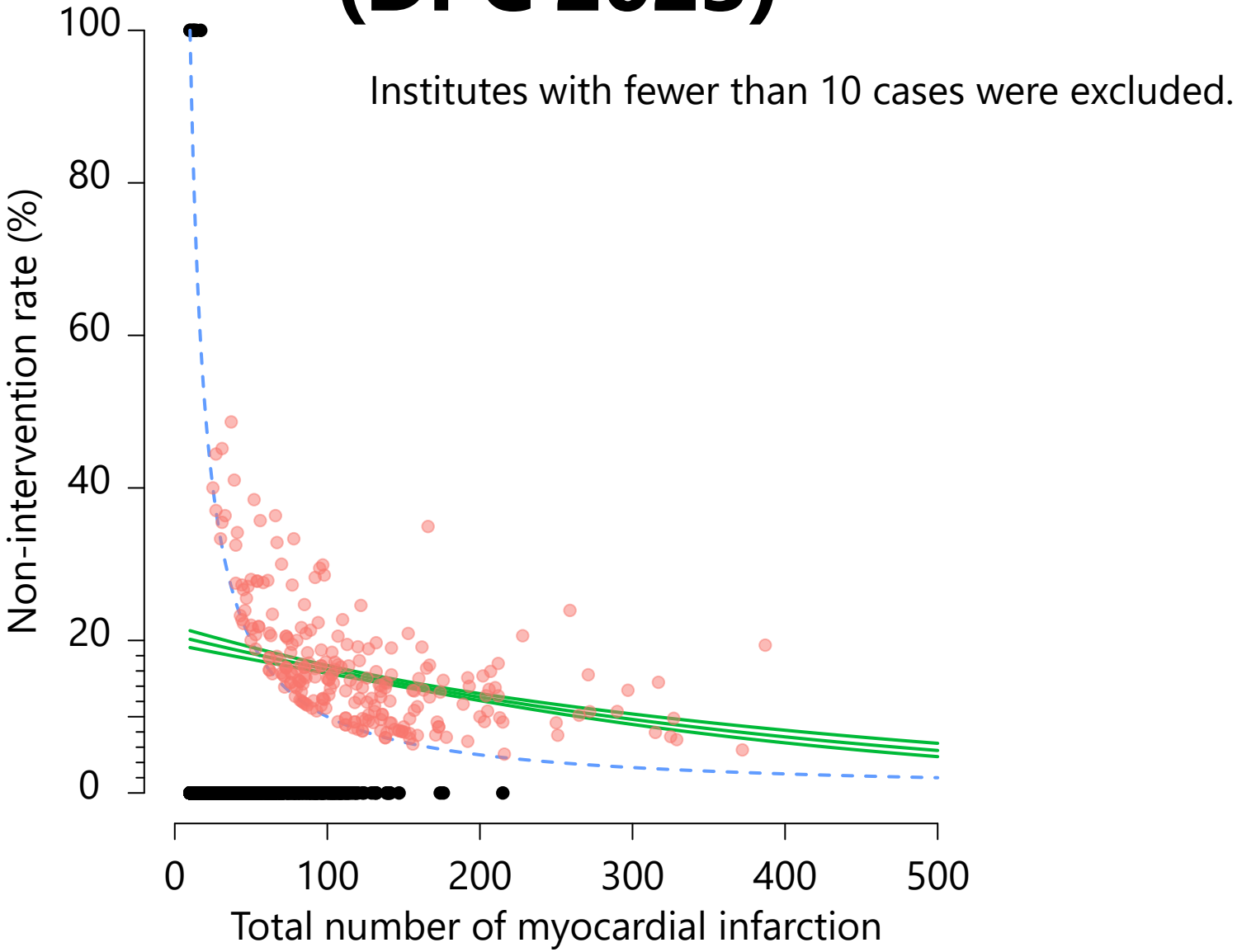
2019-2024

Admission for MI (DPC)

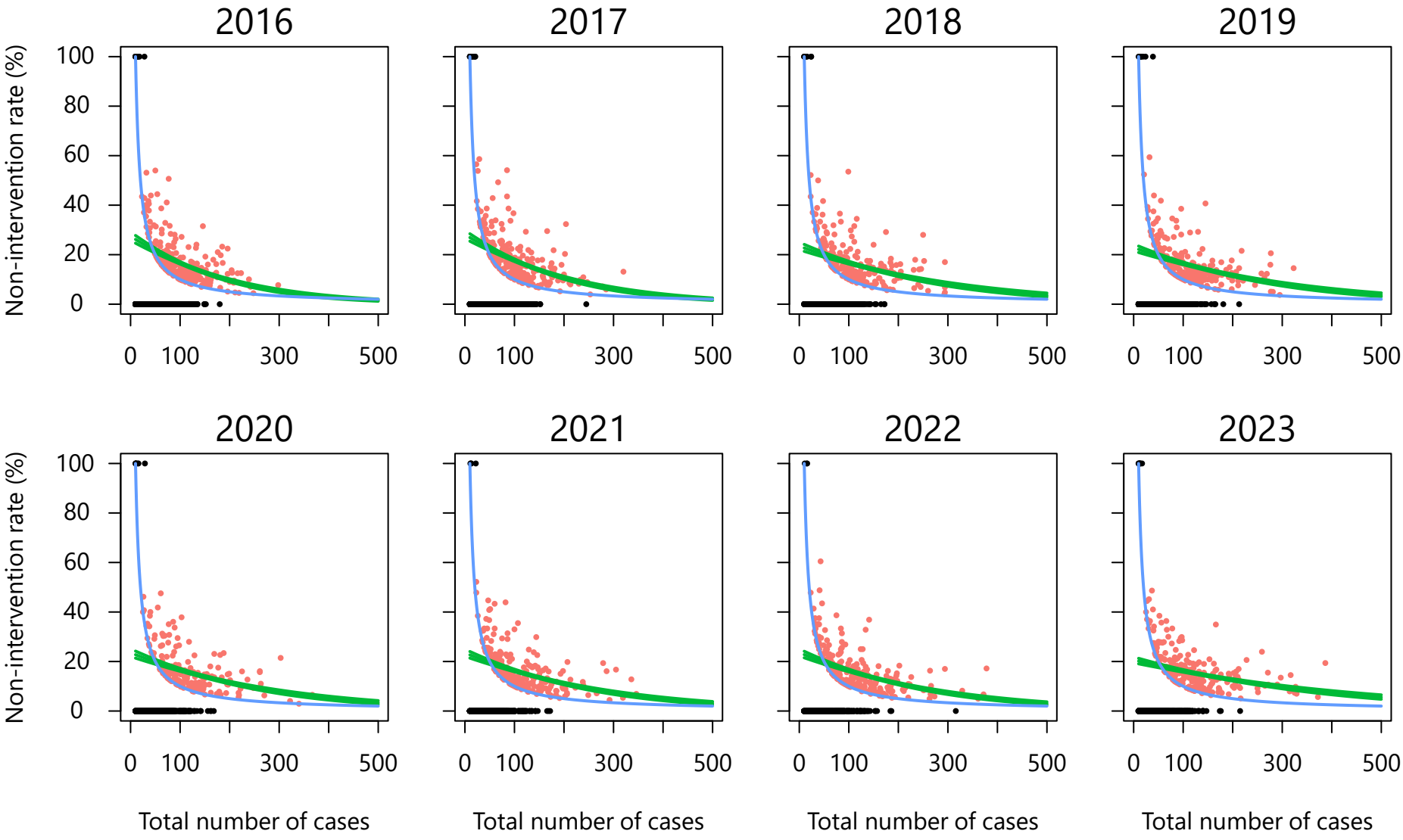


Institutes with fewer than 10 cases were excluded from patient number analyses; those with fewer than 30 cases were excluded from percentage analyses.

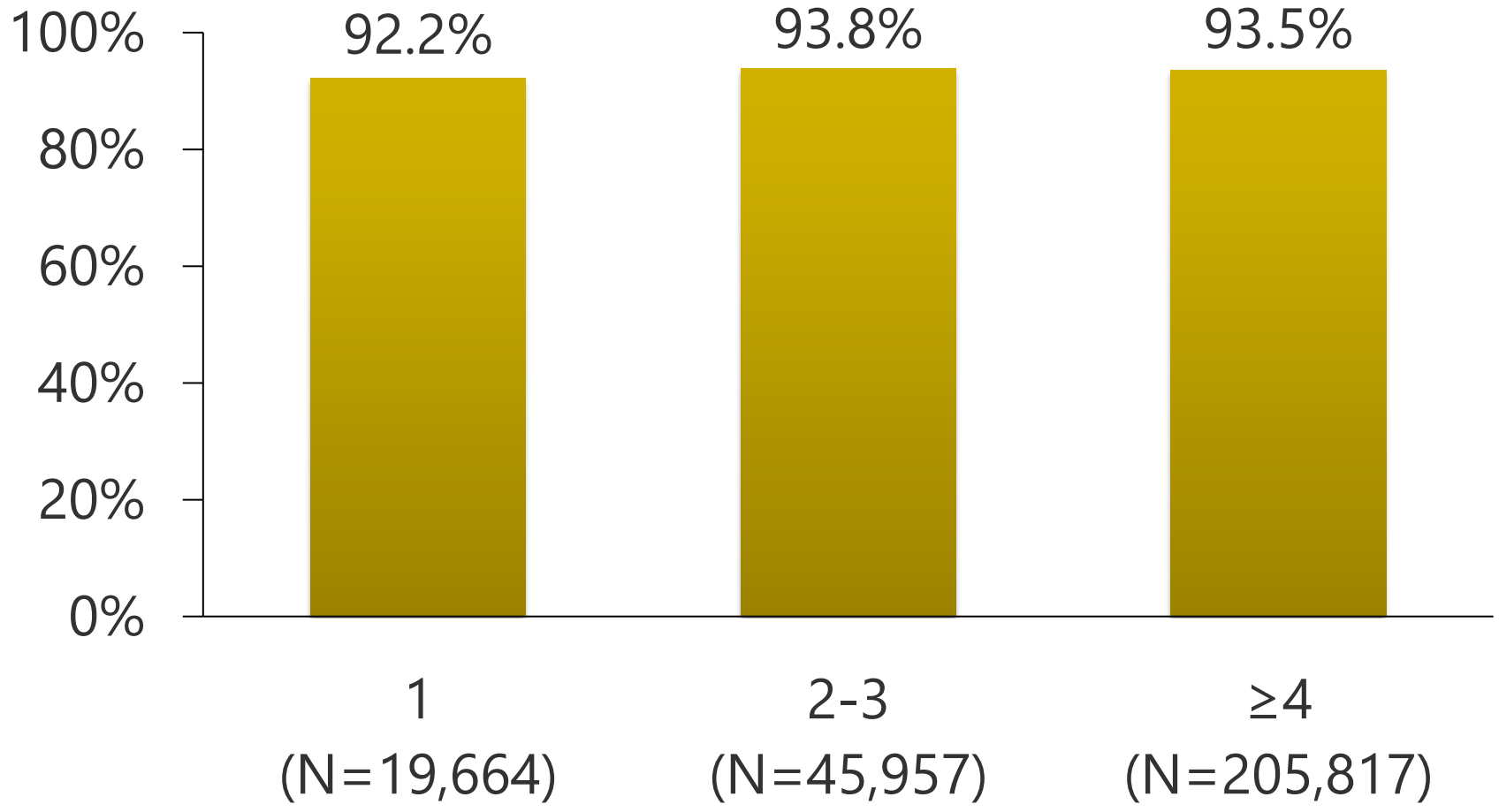
MI AND NON-INTERVENTION (DPC 2023)



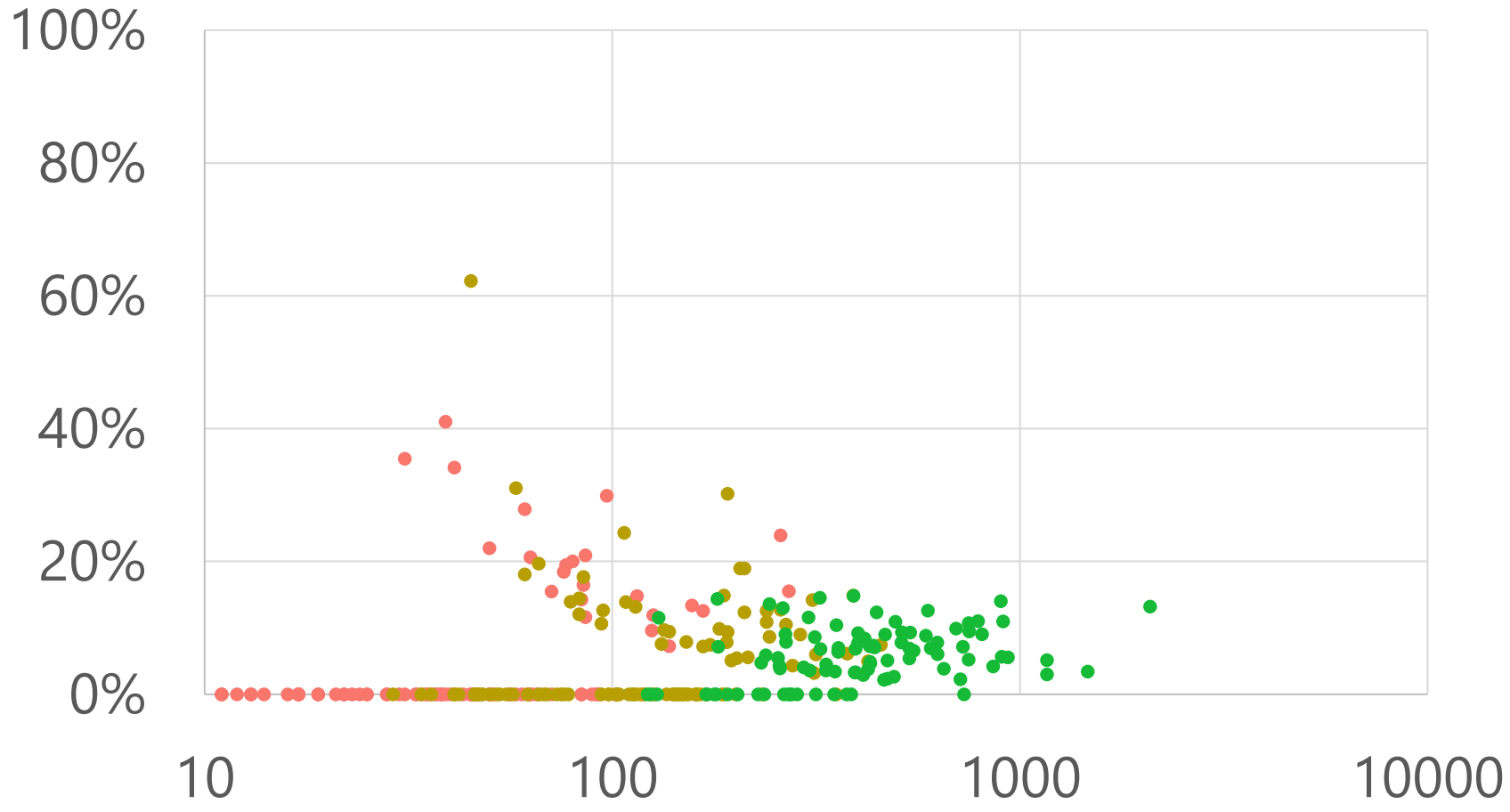
CHANGES IN NON-INTERVENTION RATES



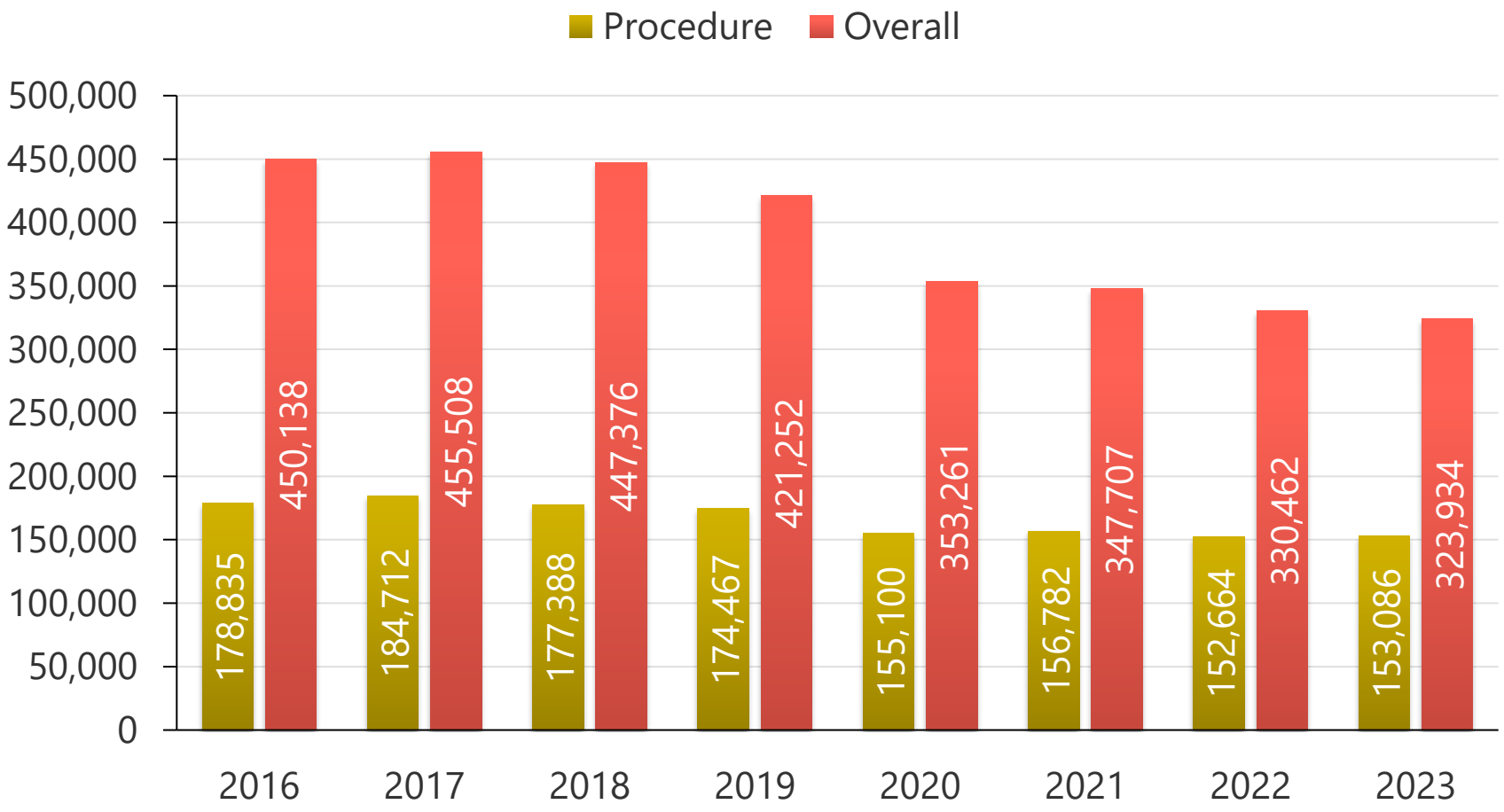
MI AND NON-INTERVENTION AMONG NUMBER OF INSTITUTES PER AREA (DPC 2023)



MI AND NON-INTERVENTION (DPC 2023)

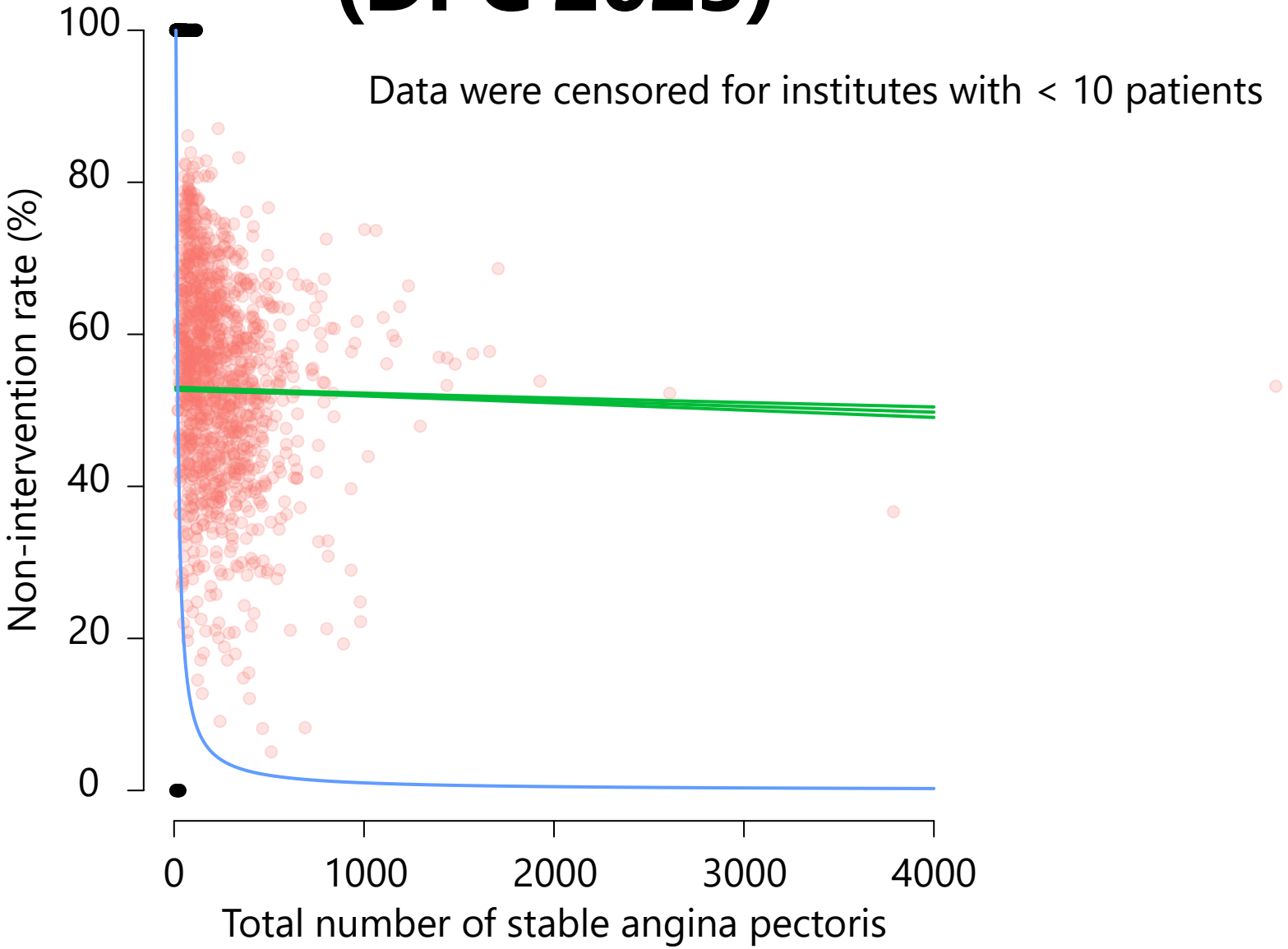


Admission for stable AP (DPC)

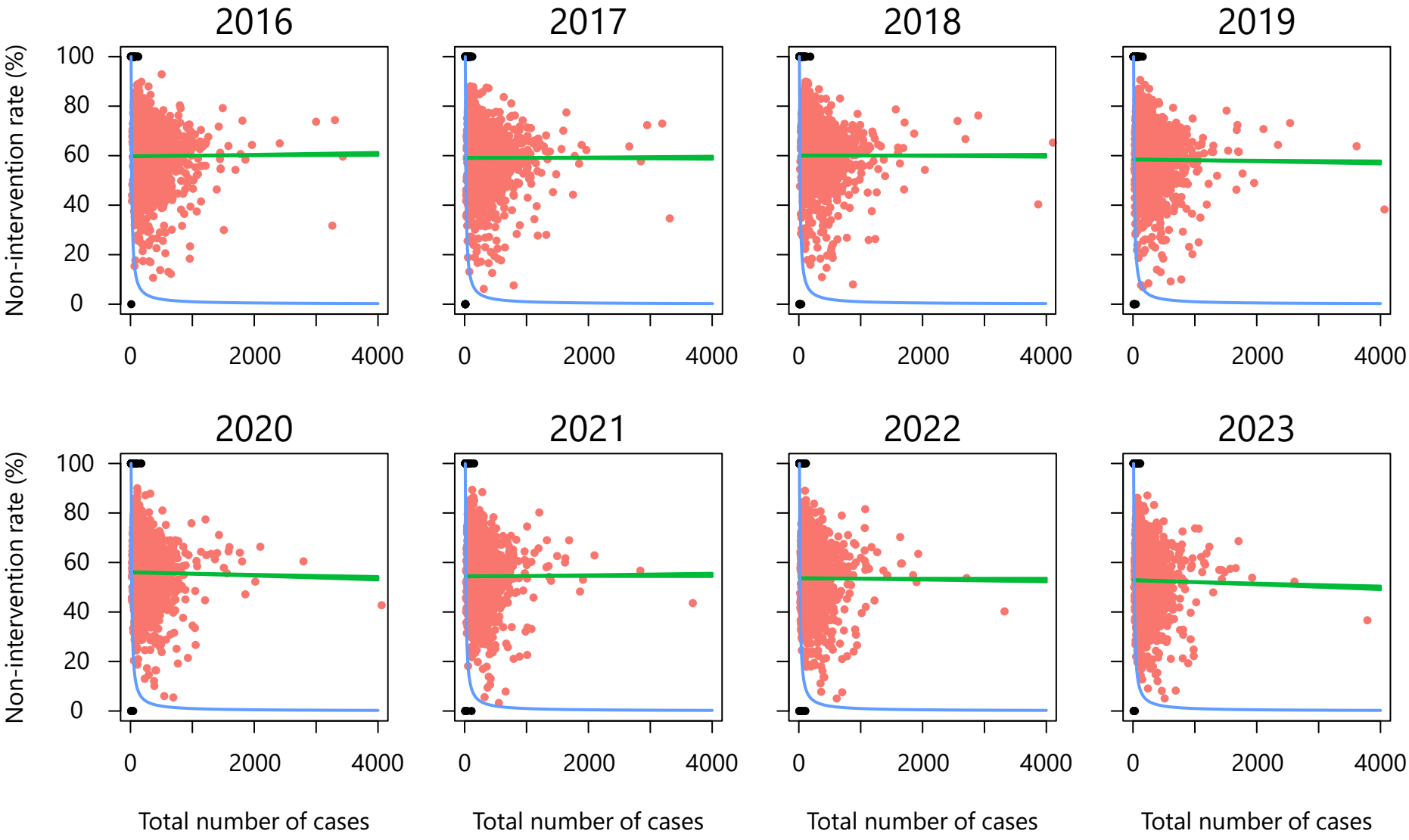


Institutes with fewer than 10 cases were excluded from the analyses.

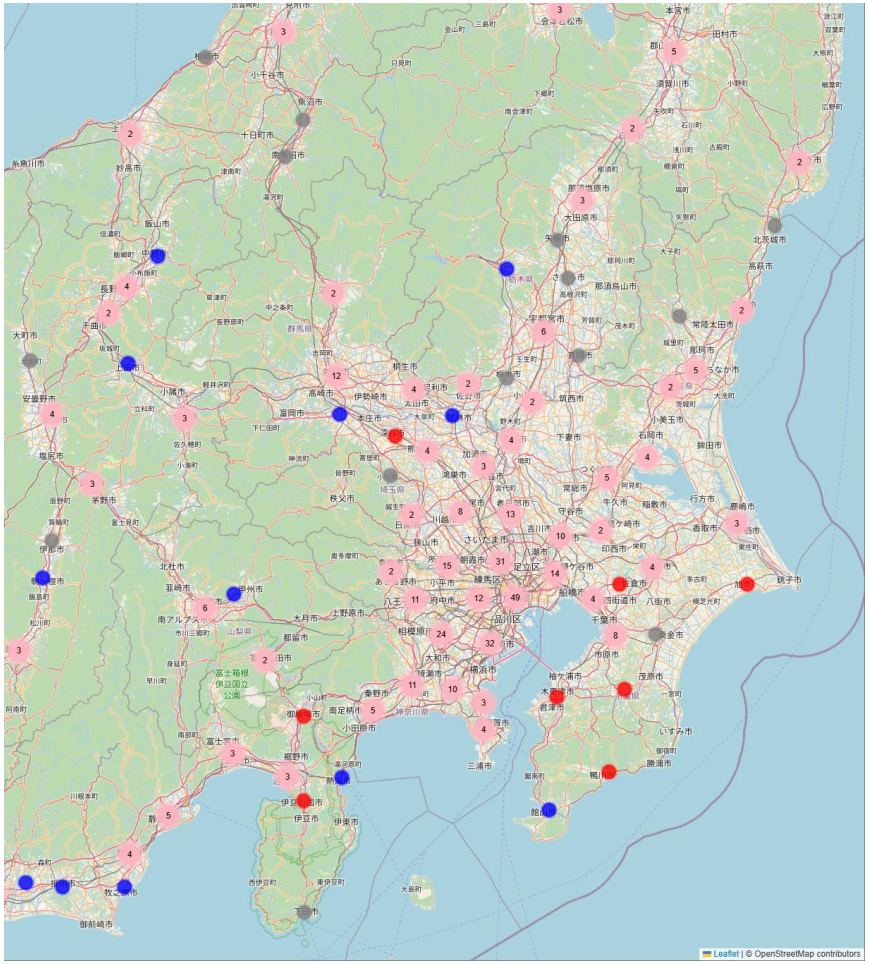
Stable AP and non-intervention (DPC 2023)

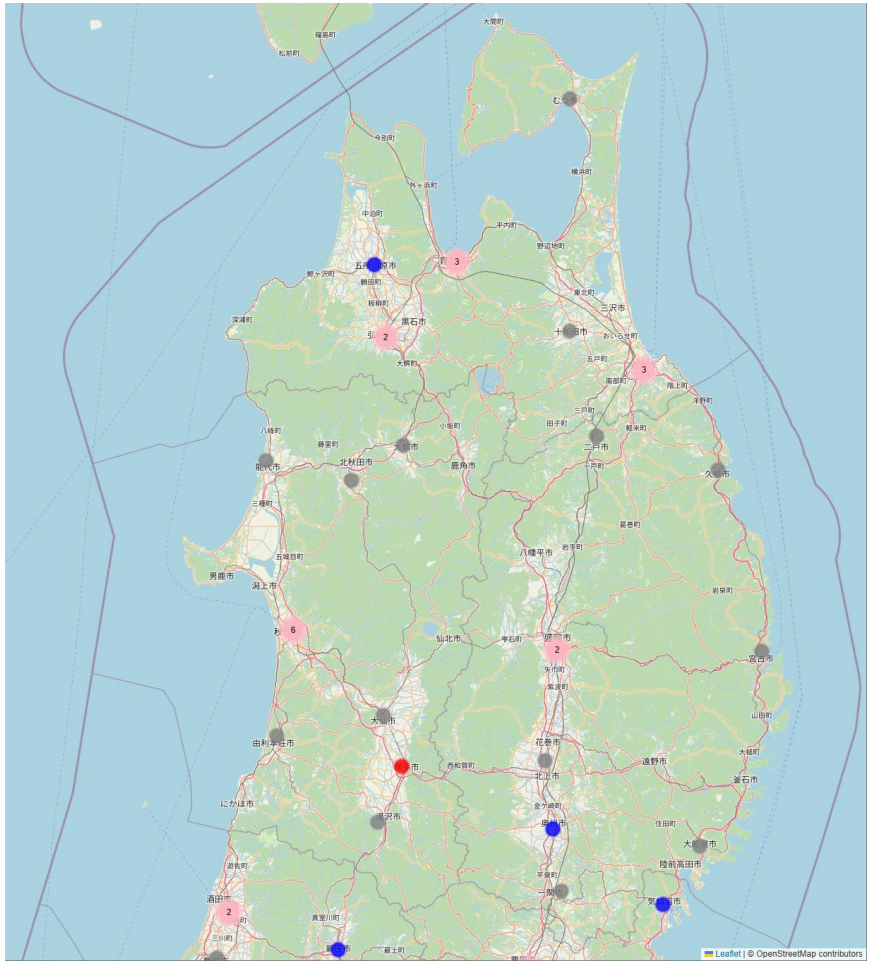


CHANGES IN NON-INTERVENTION RATES



HEART MAP





https://map.cvit.jp/