

# SUMMARY OF J-PCI 2023

## J-PCIレジストリー 2023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)

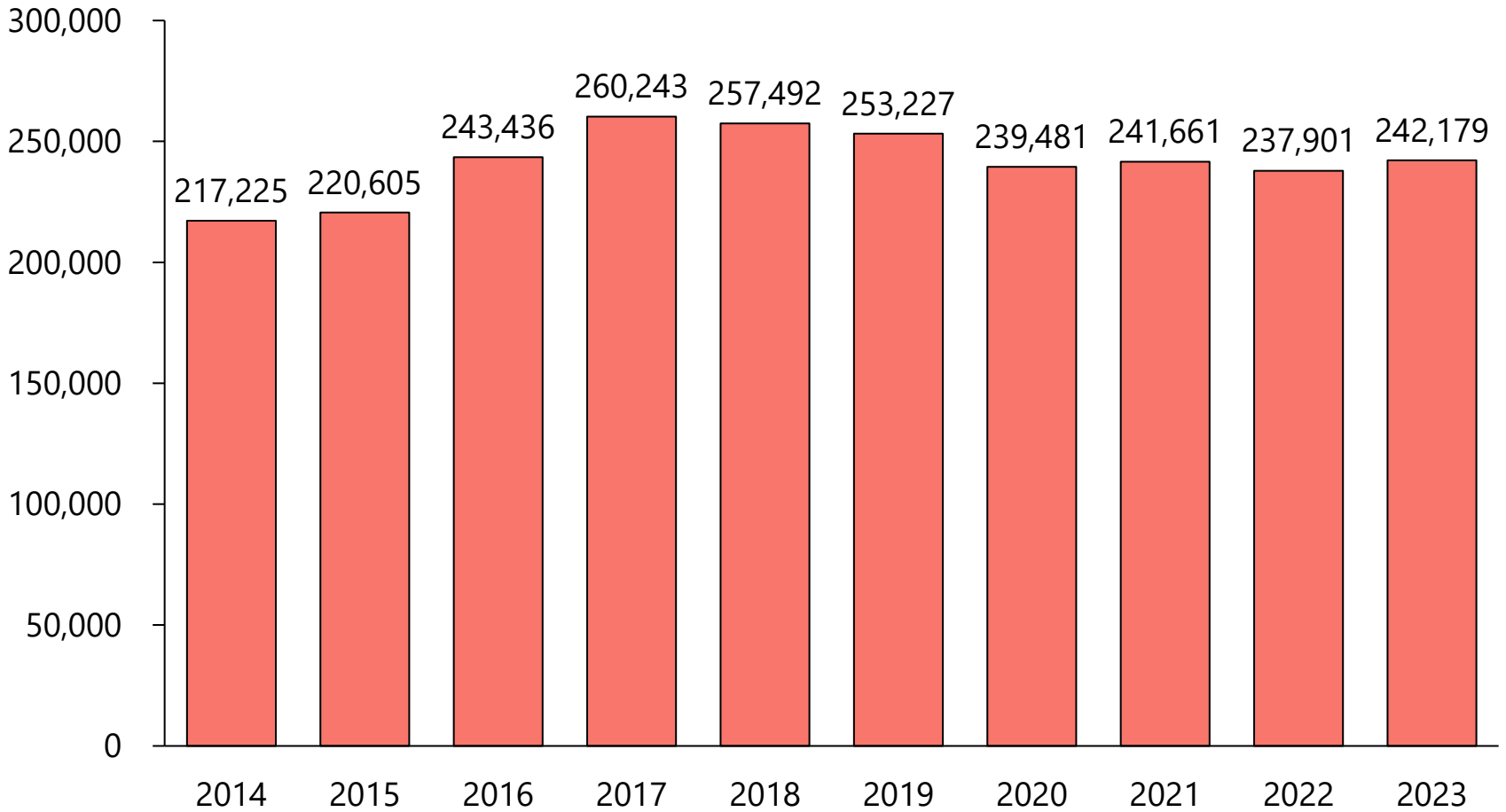


**CVIT COI 開示**

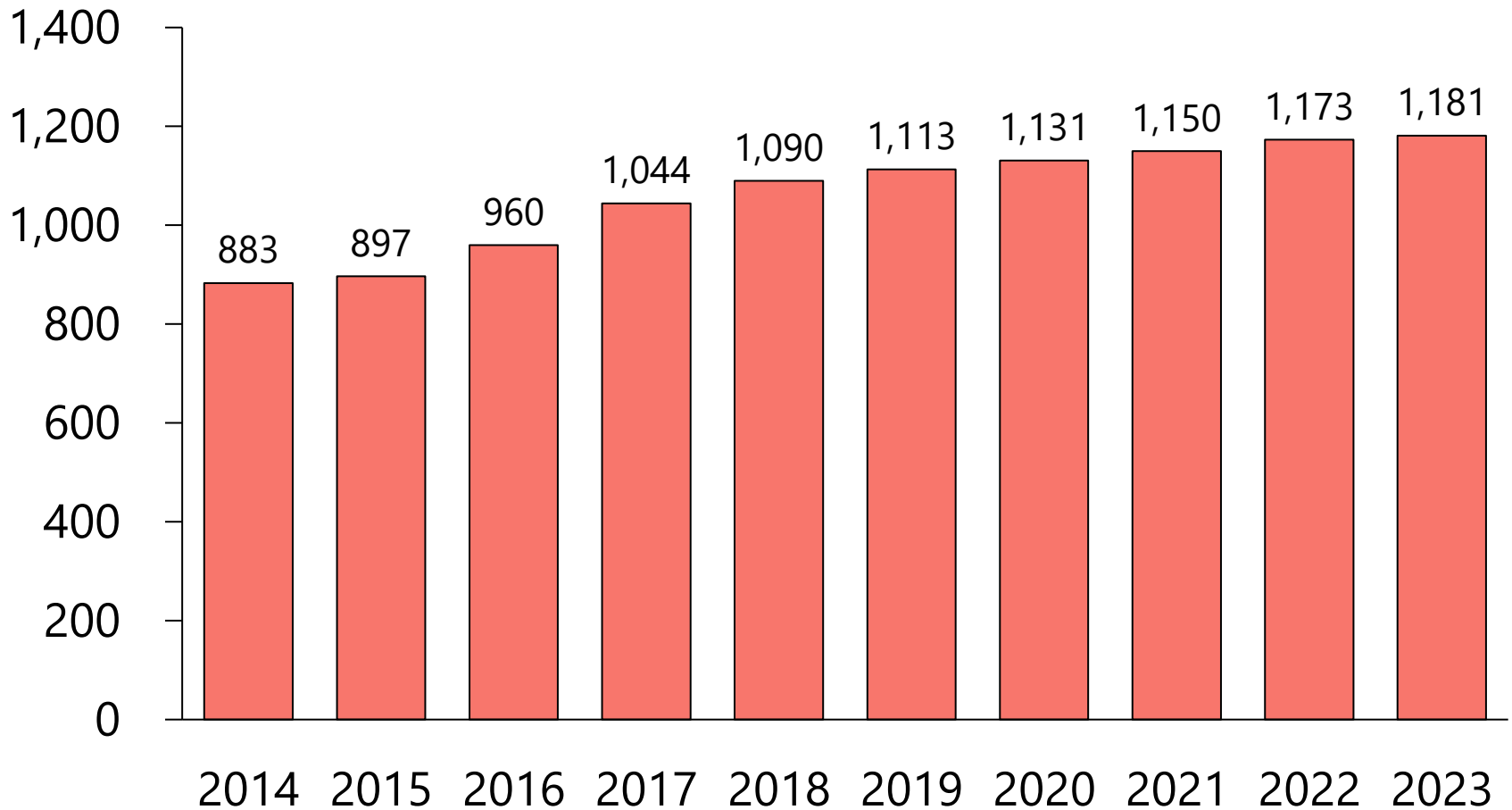
筆頭発表者名：山地 杏平

# J-PCI REGISTRY

***2,413,450 cases***

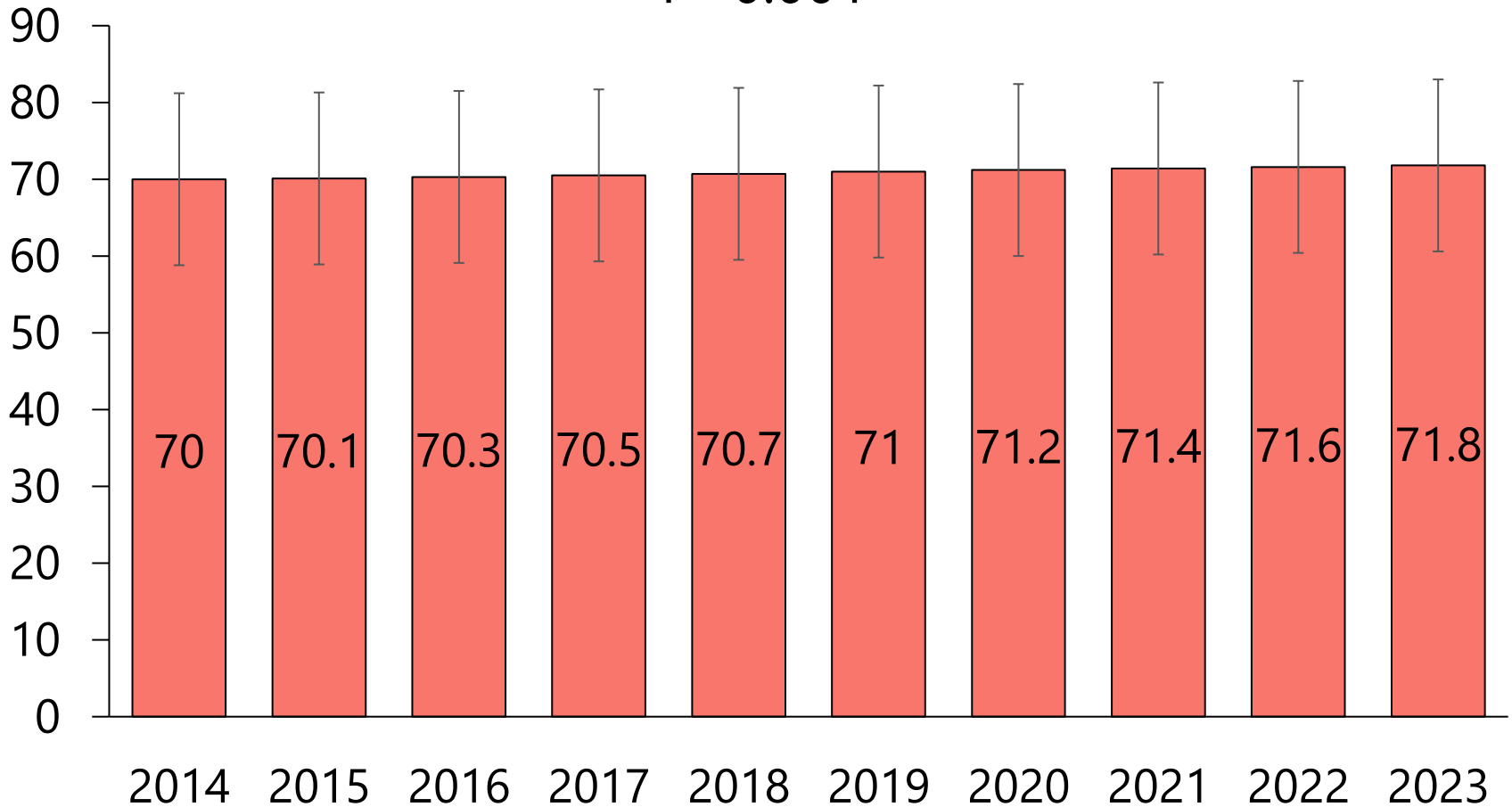


# J-PCI INSTITUTES



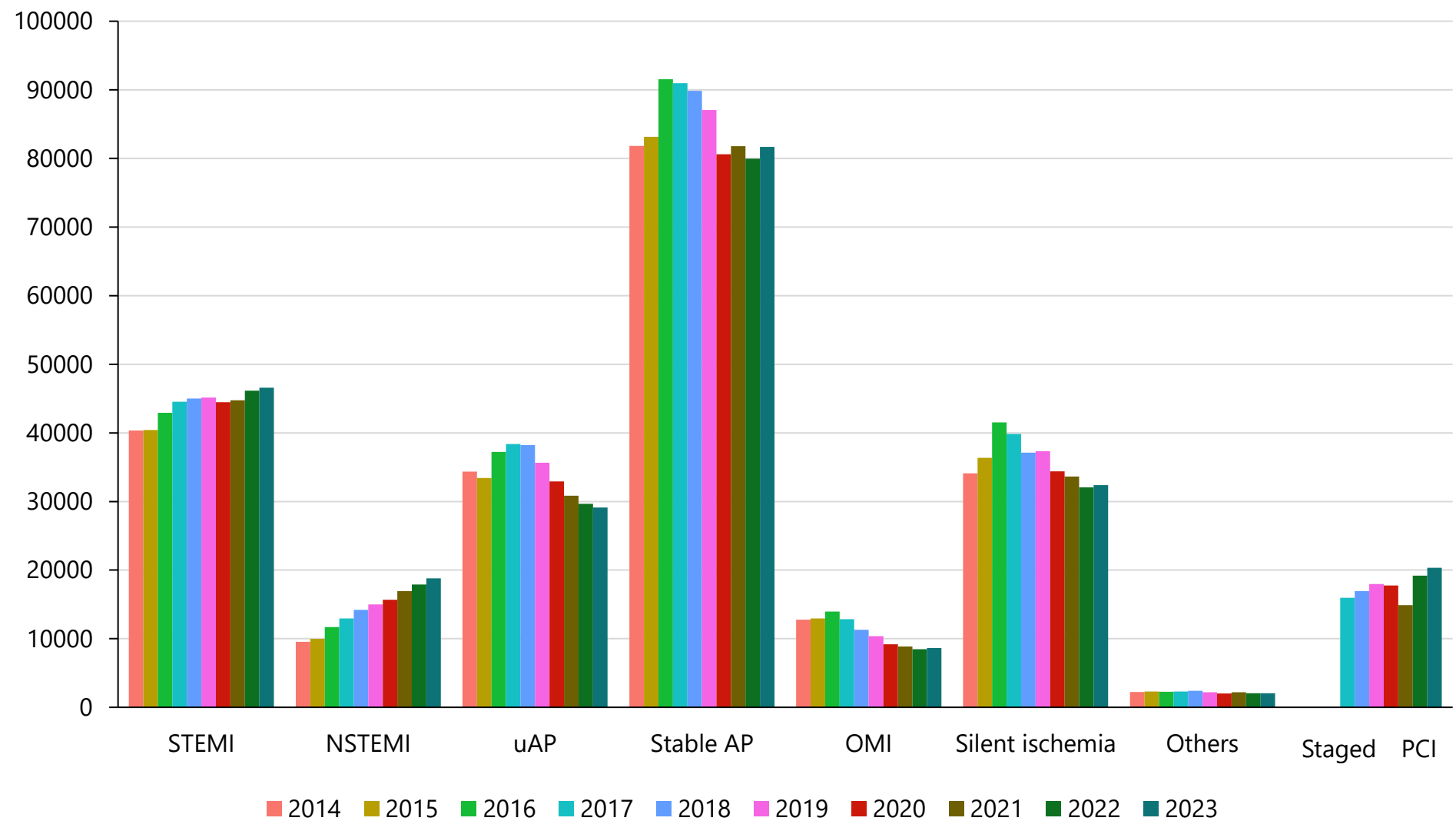
# MEAN PATIENTS' AGE

P < 0.001

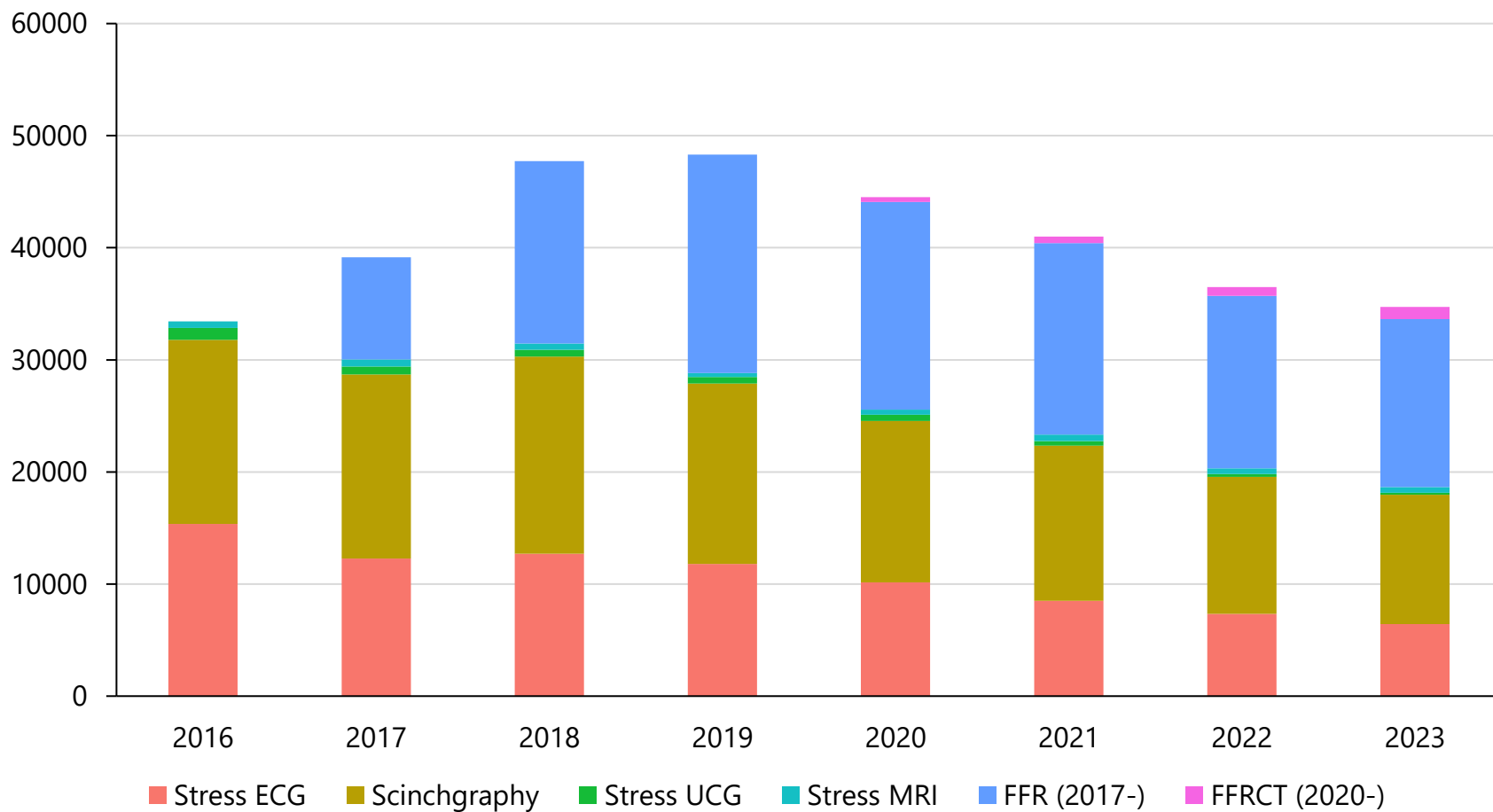




# PRESENTATION

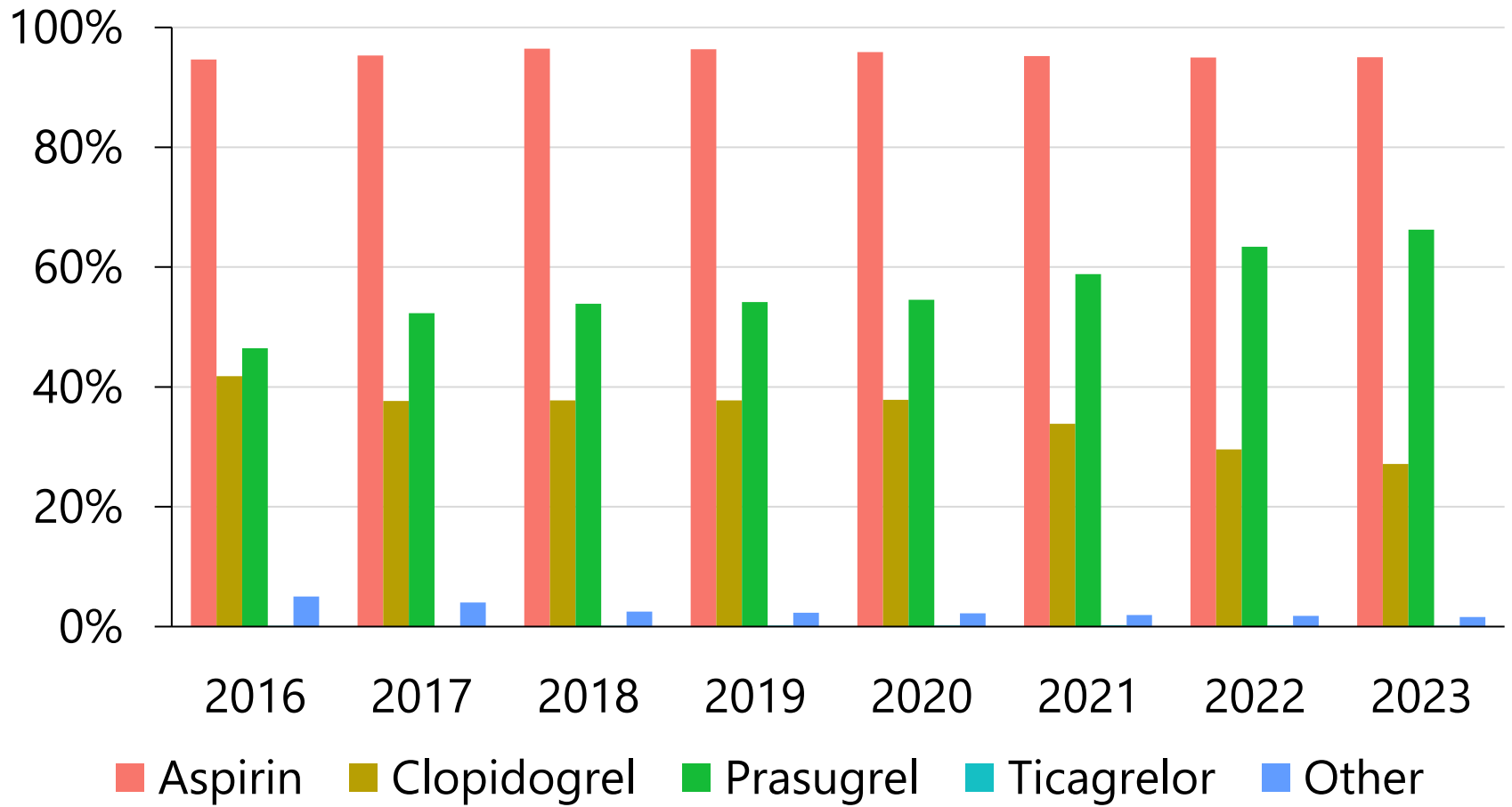


# PRE TEST

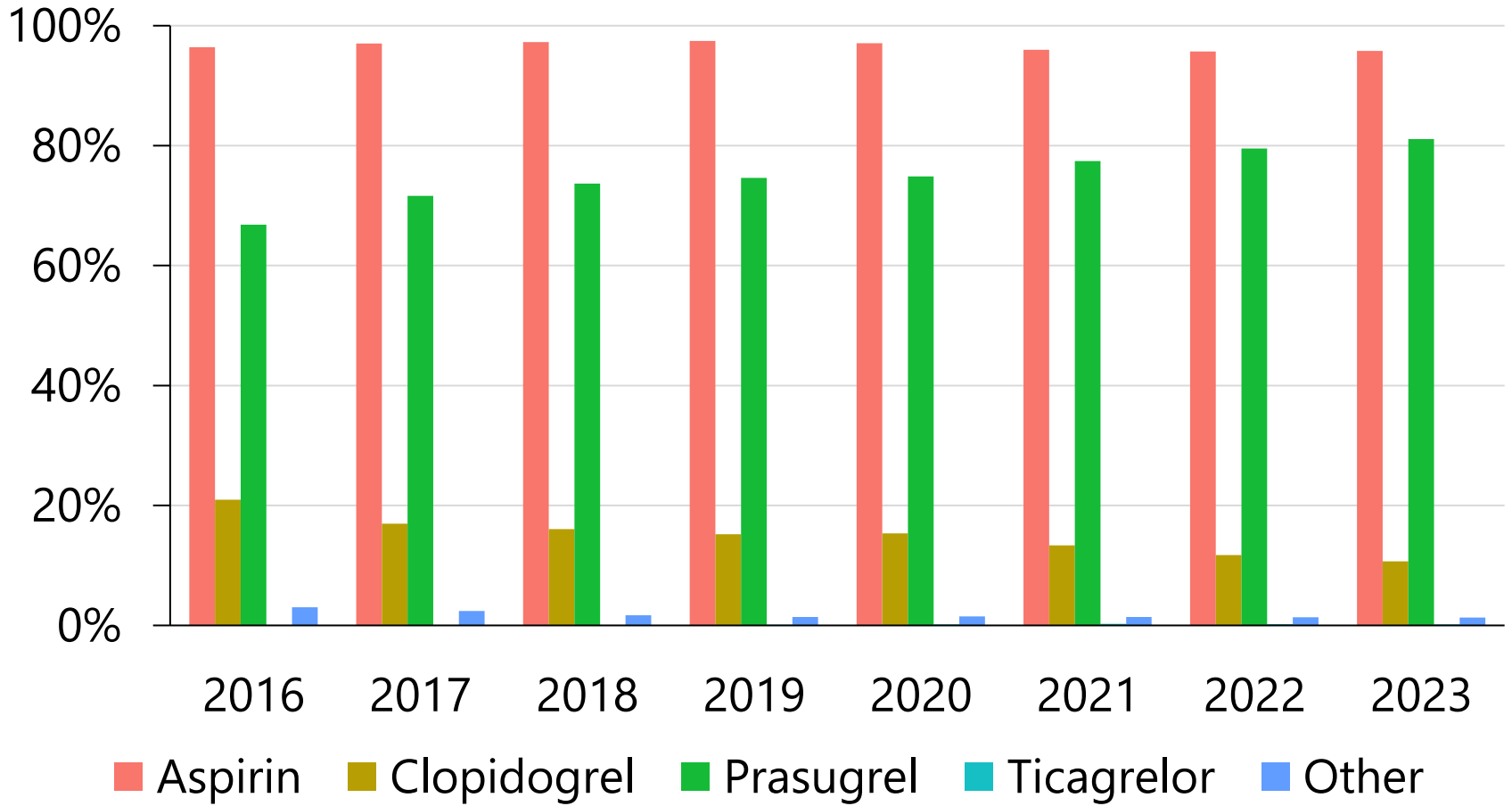




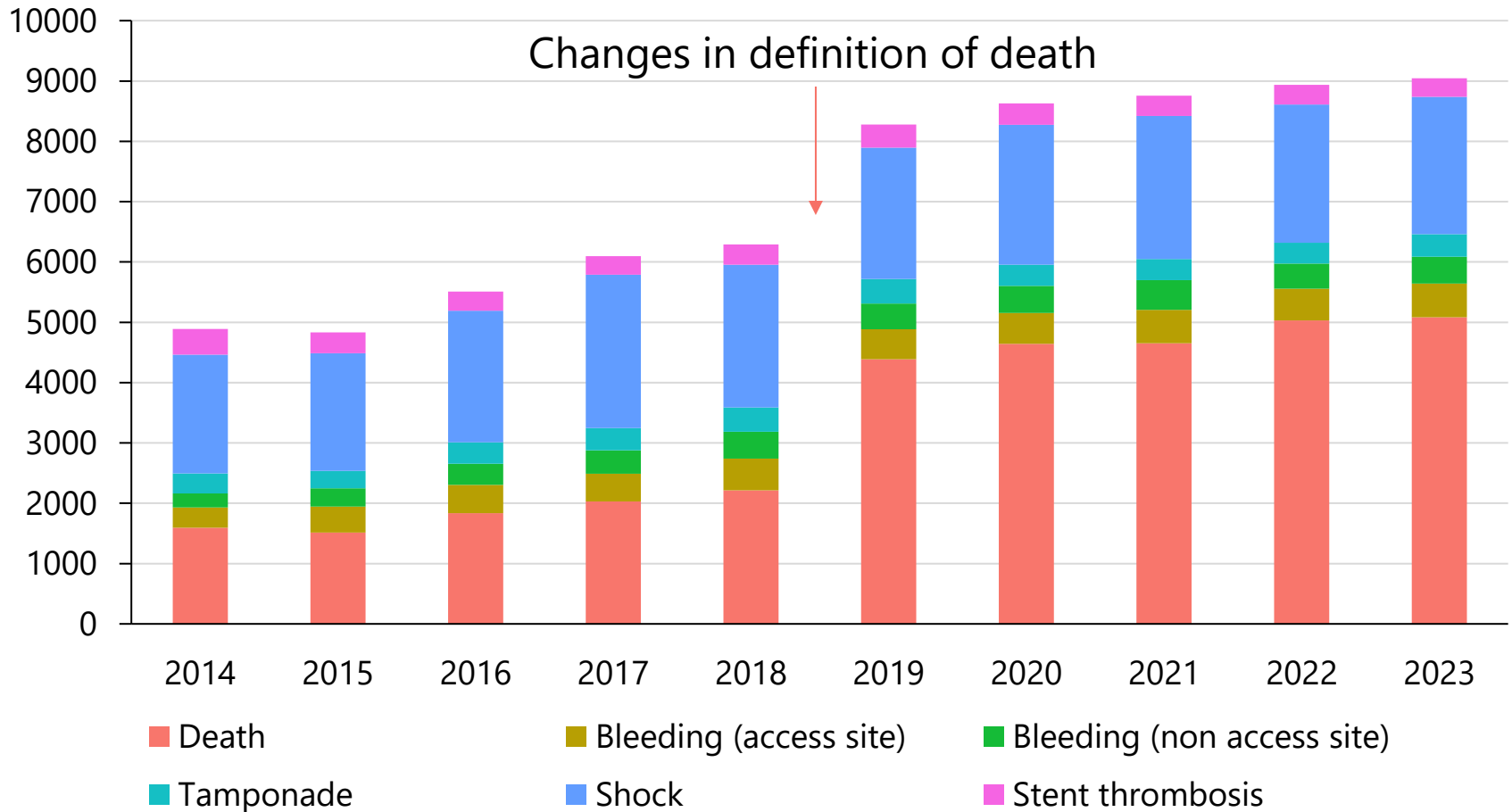
# ANTIPLATELET THERAPY



# ANTIPLATELET THERAPY (MI)



# COMPLICATIONS



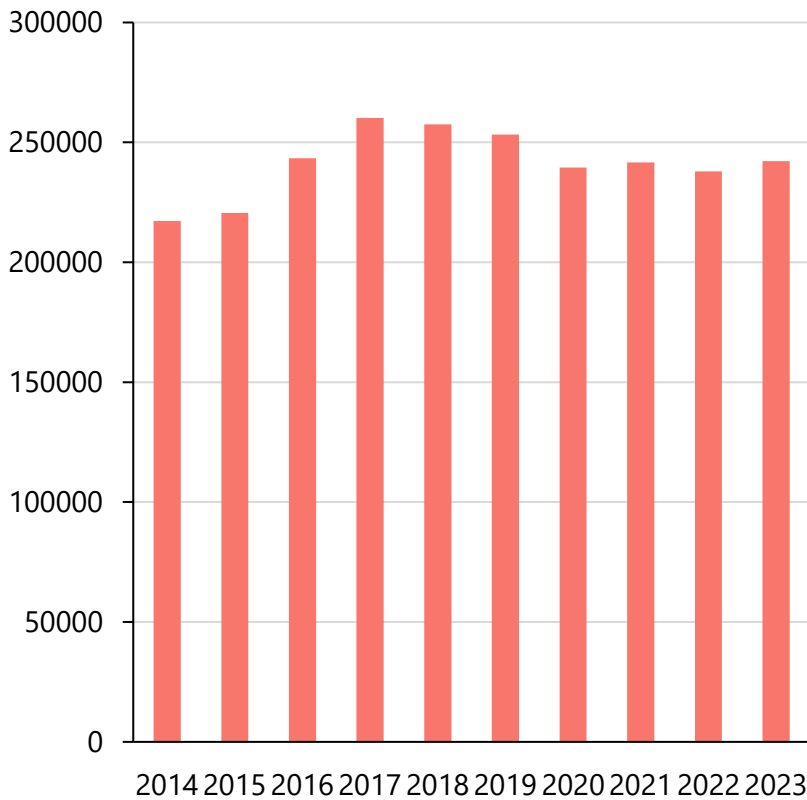
# COMPLICATIONS

2023 N=242,179

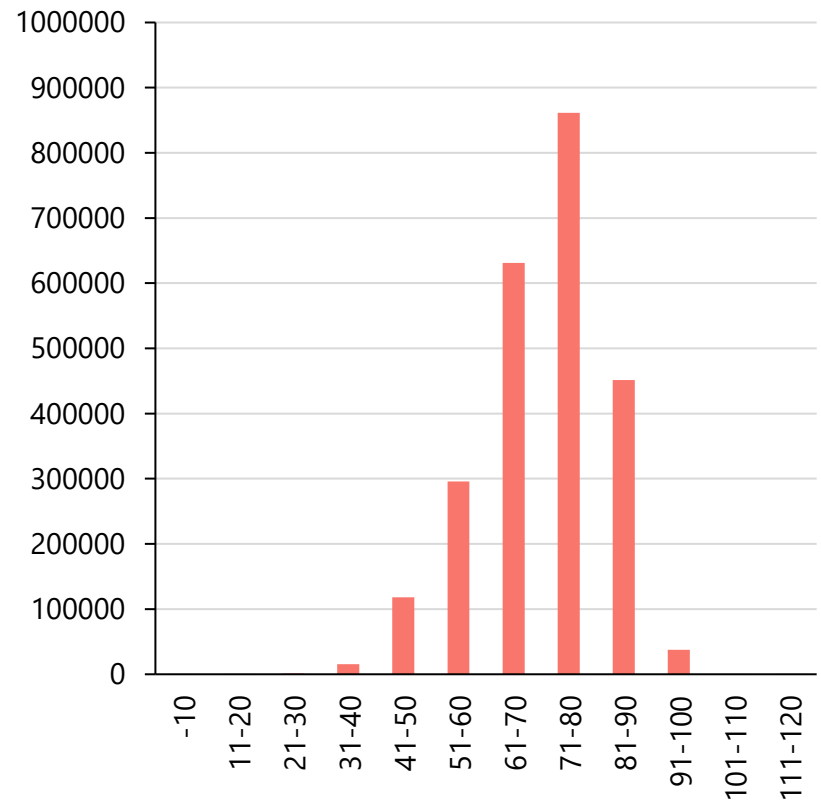
	発生頻度
Death	5085 (2.1%)
Myocardial infarction	1587 (0.7%)
Tamponade	375 (0.2%)
Shock	2275 (0.9%)
Stent thrombosis	311 (0.1%)
Emergency operation	199 (0.08%)
Bleeding (Access site)	555 (0.2%)
Bleeding (Non access site)	446 (0.2%)
Others	1689 (0.7%)

# TOTAL NUMBER OF PATIENTS

## Years

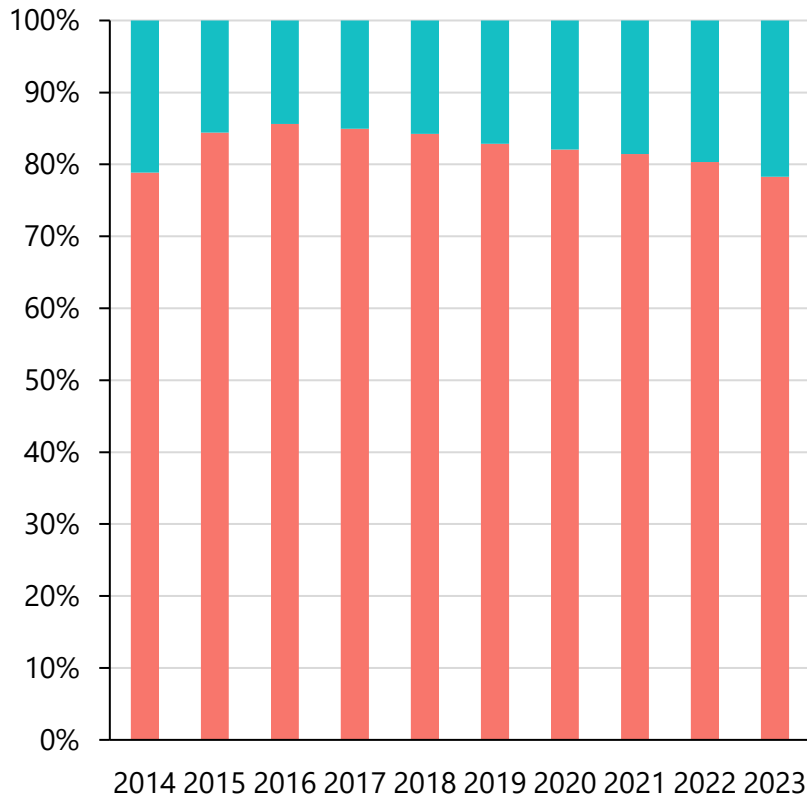


## Age

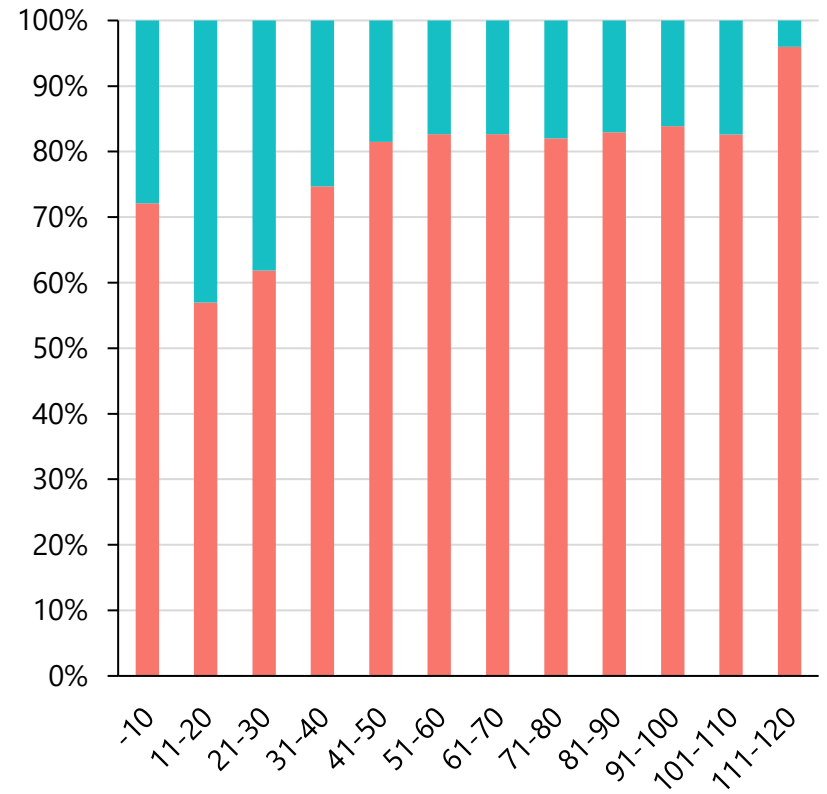


# DES

## Years

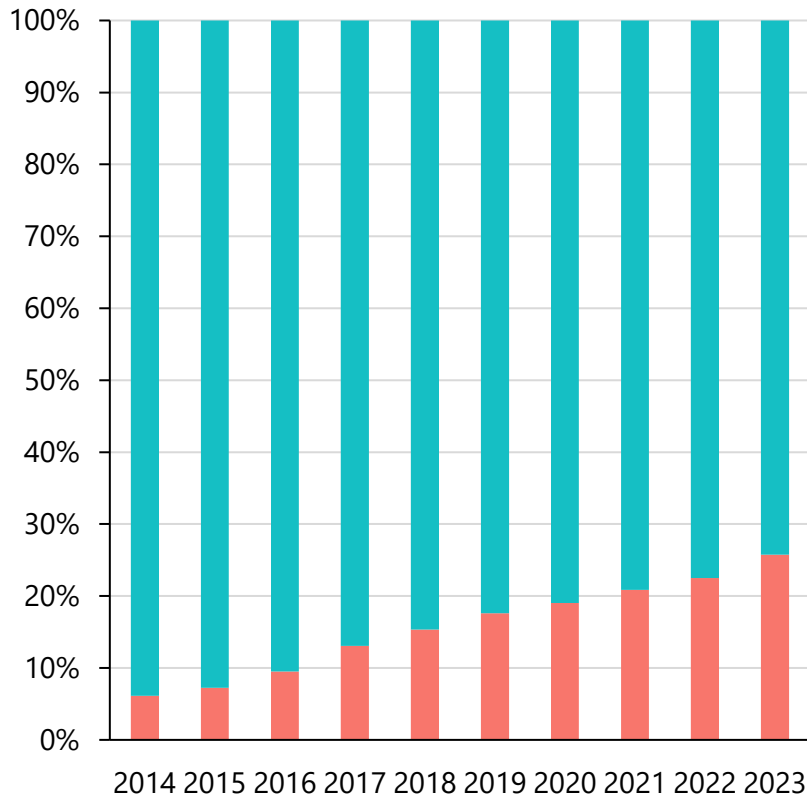


## Age

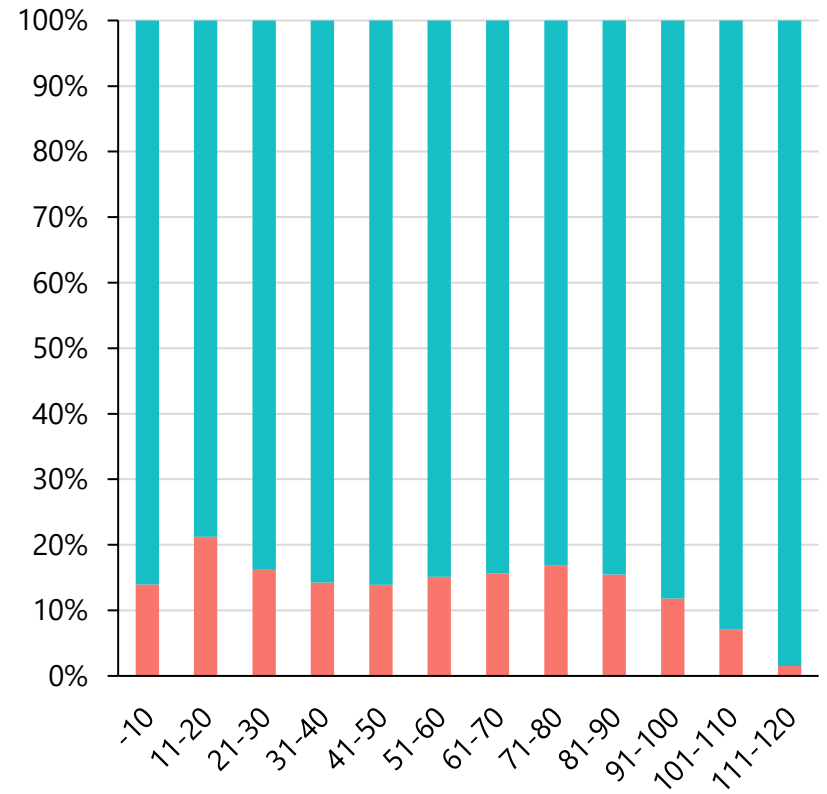


# DCB

## Years

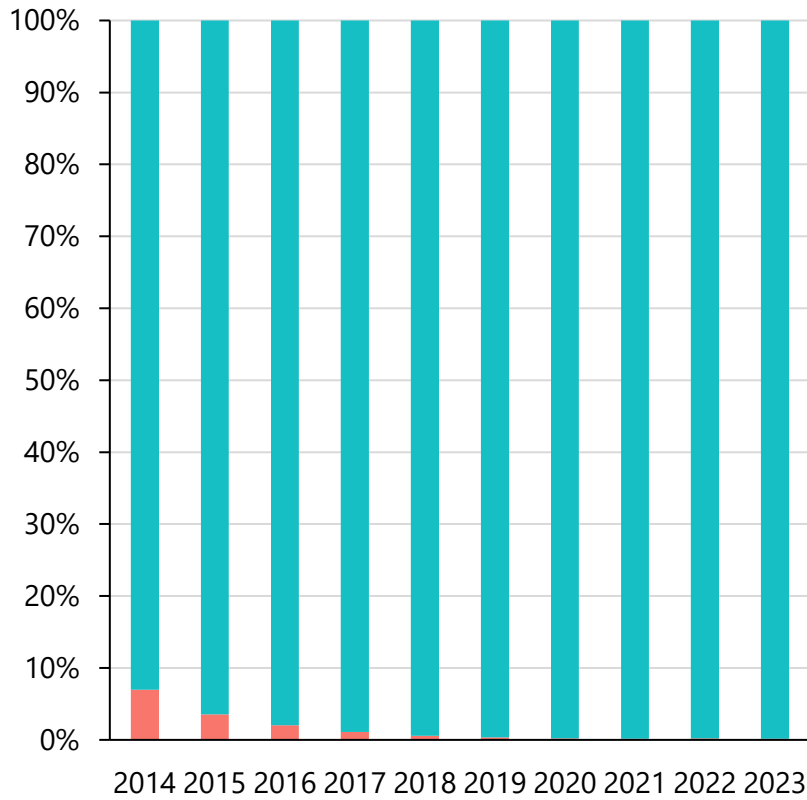


## Age

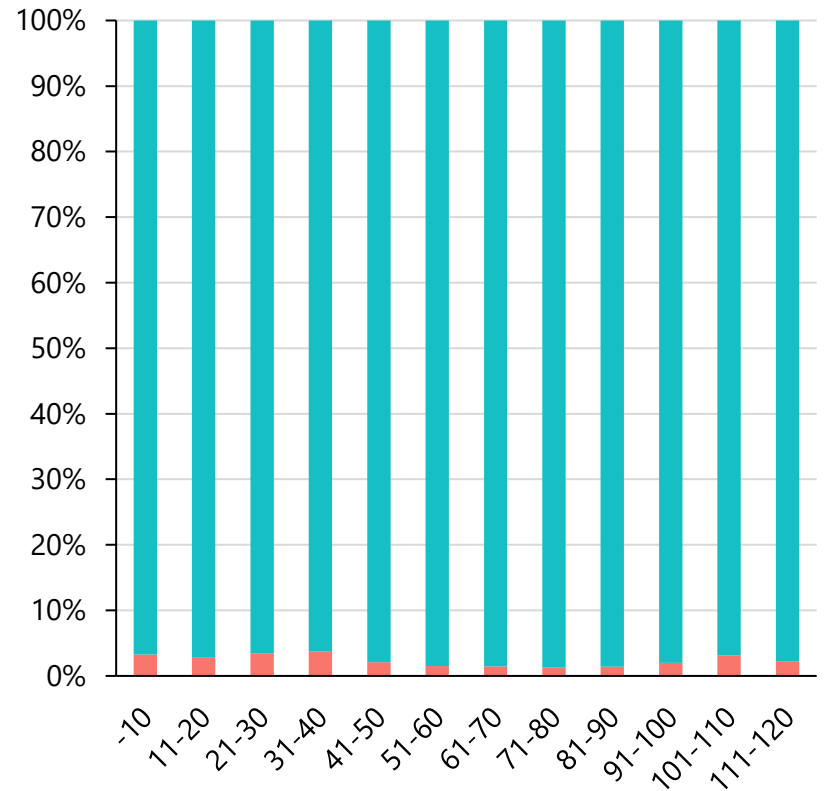


# BMS

## Years



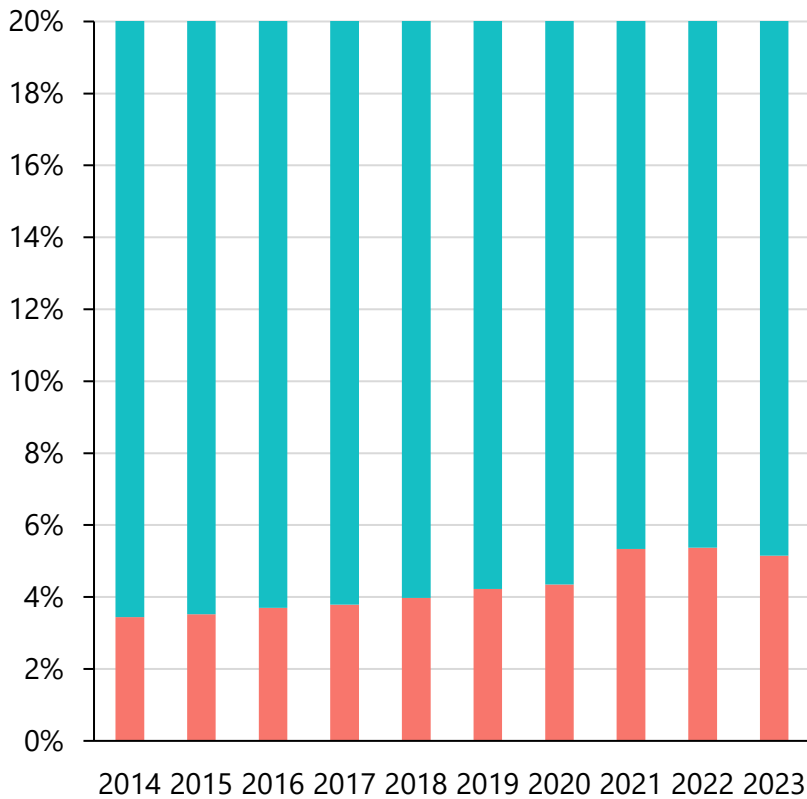
## Age



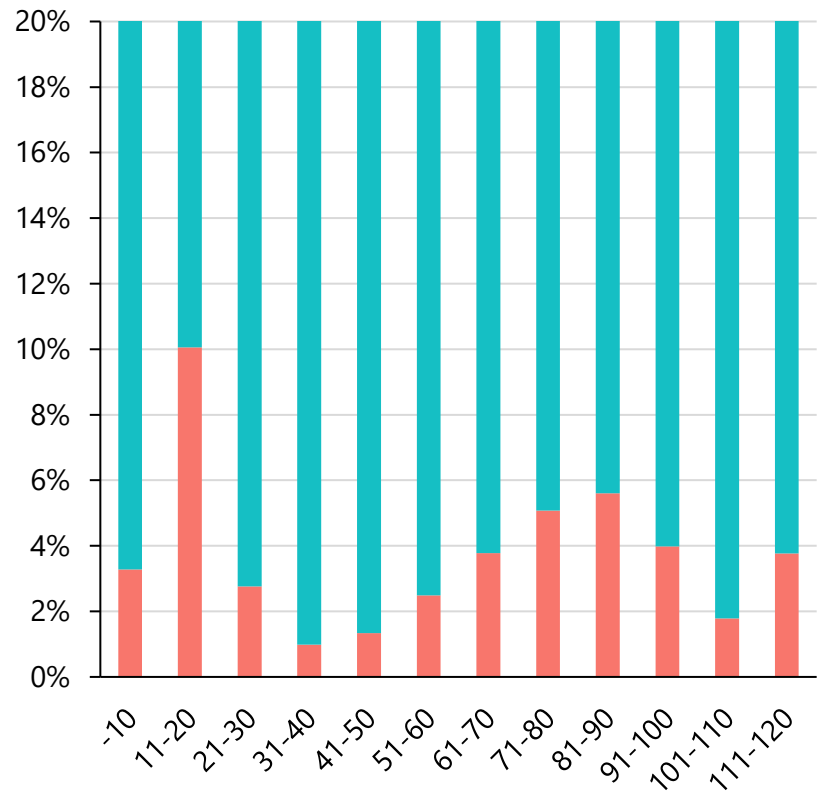


# ROTABLATOR

## Years

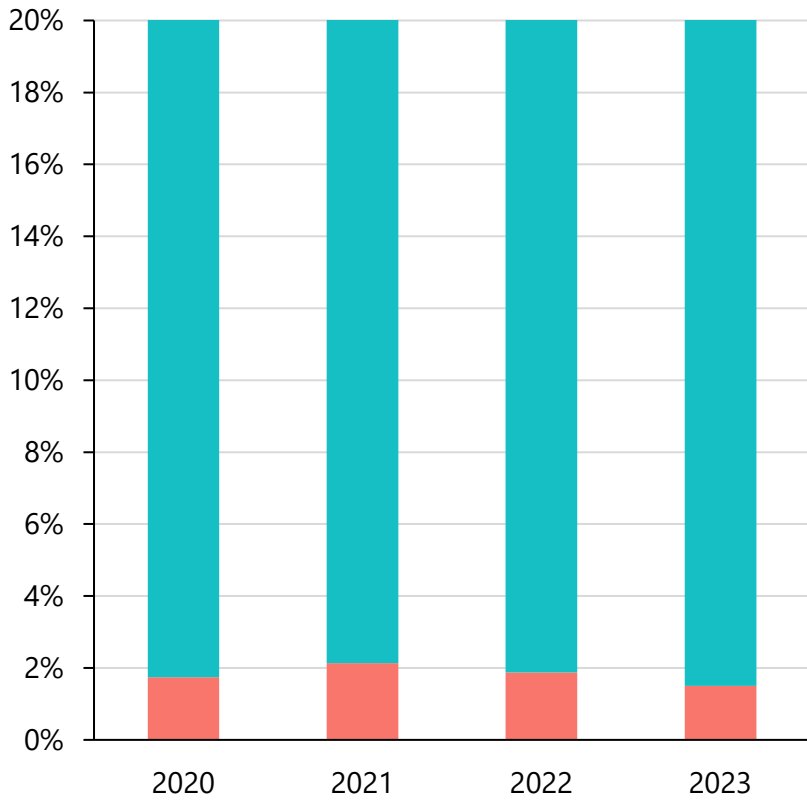


## Age

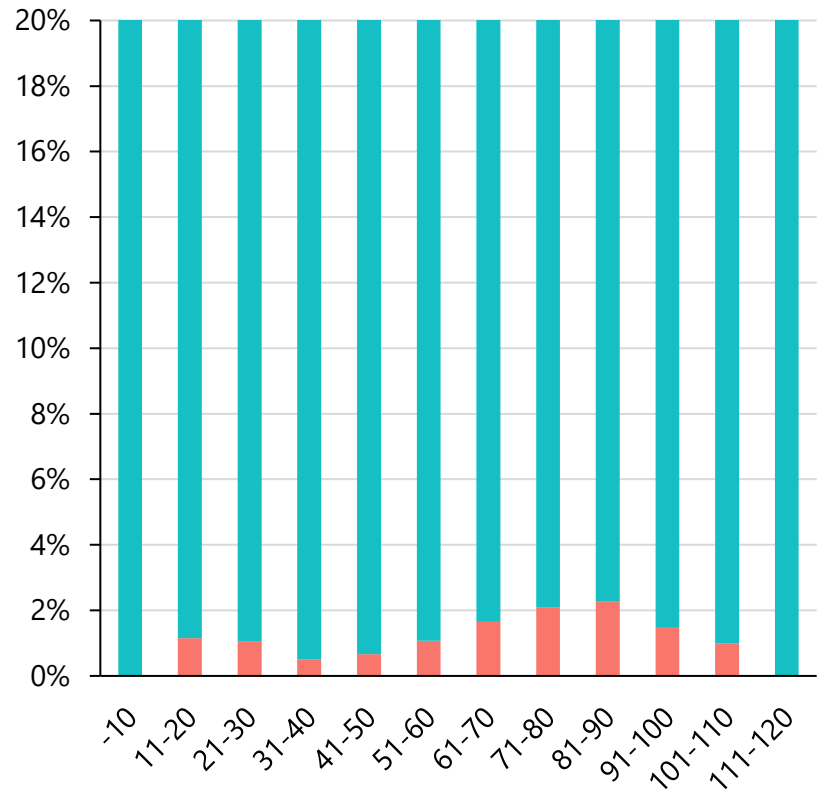


# DIAMONDBACK

## Years

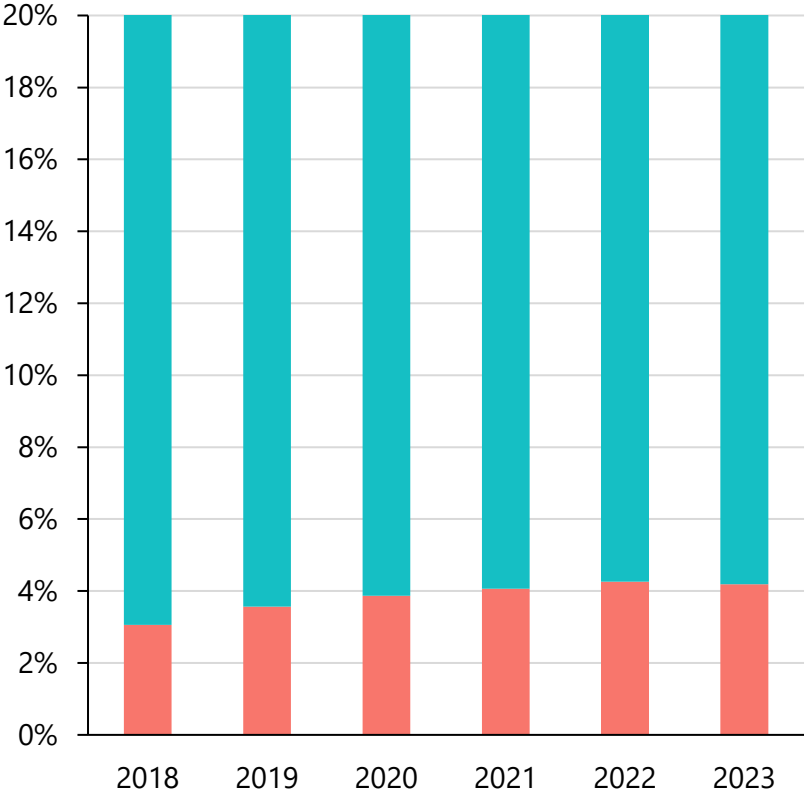


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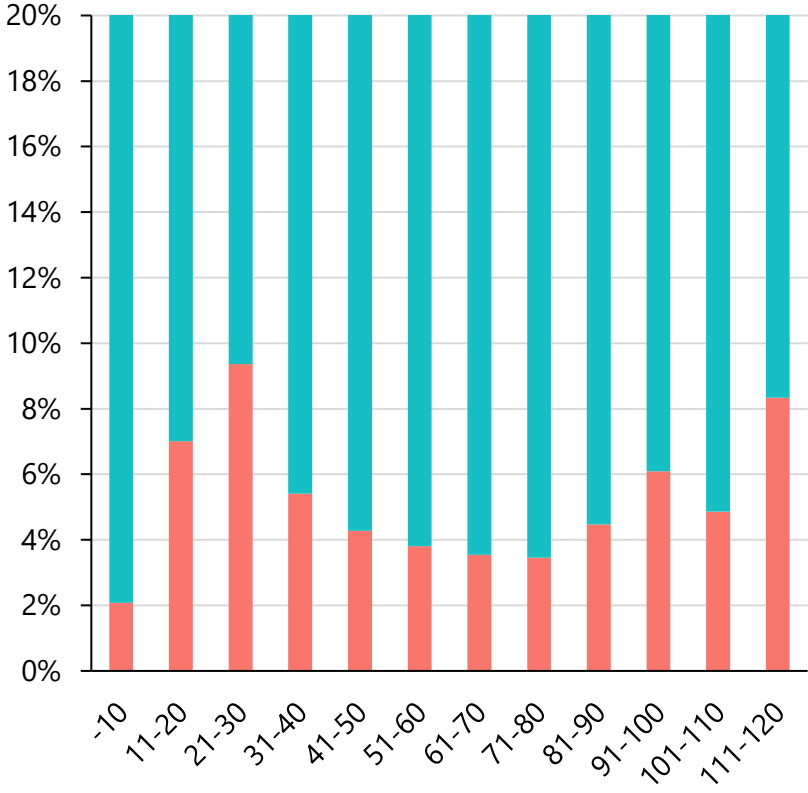


# IABP

## Years

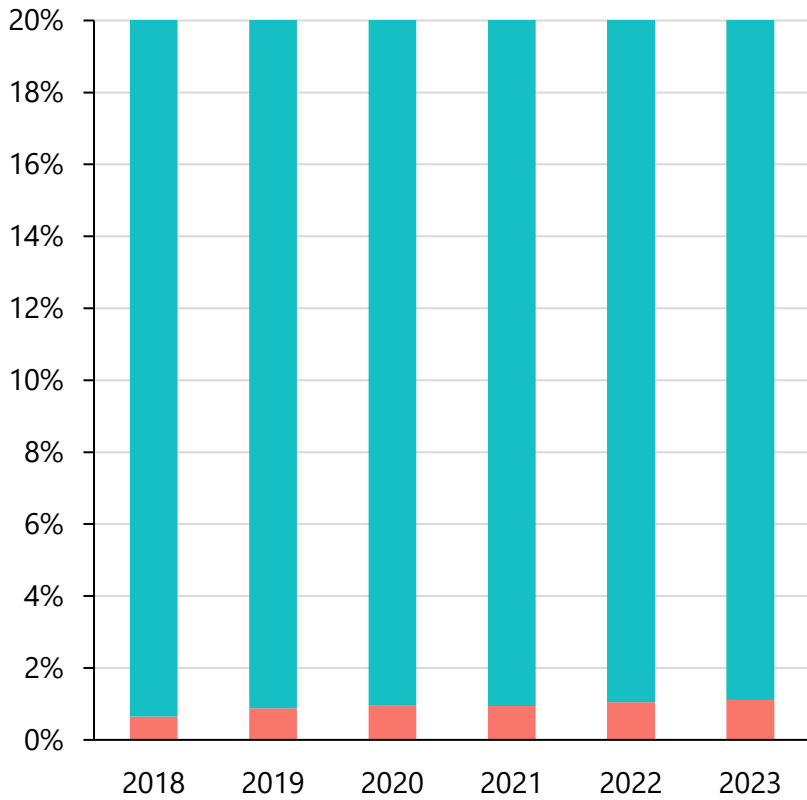


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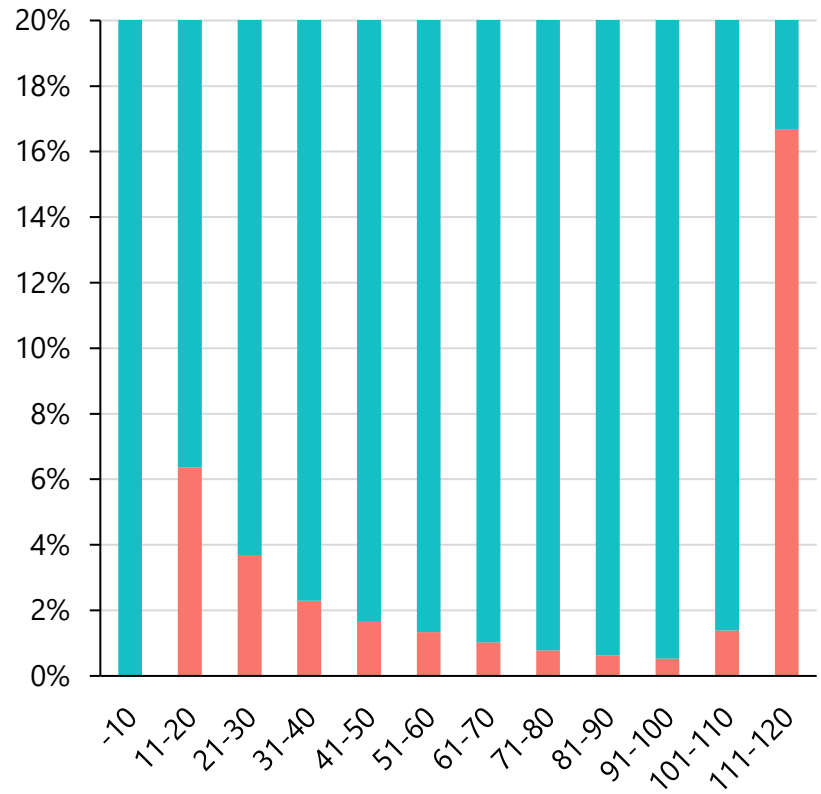


# PCPS

## Years

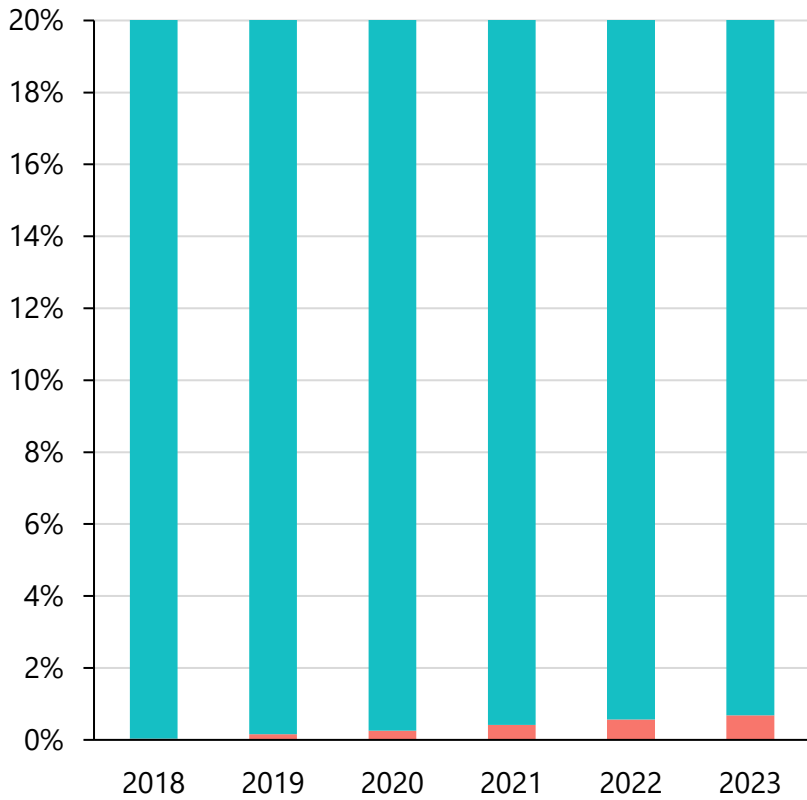


## Age

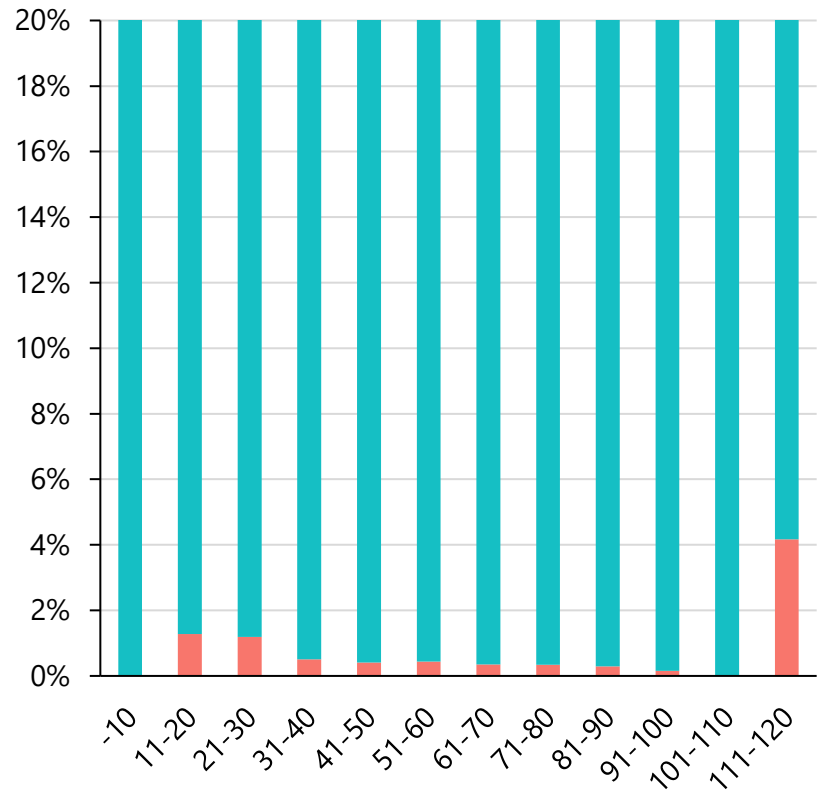


# IMPELLA

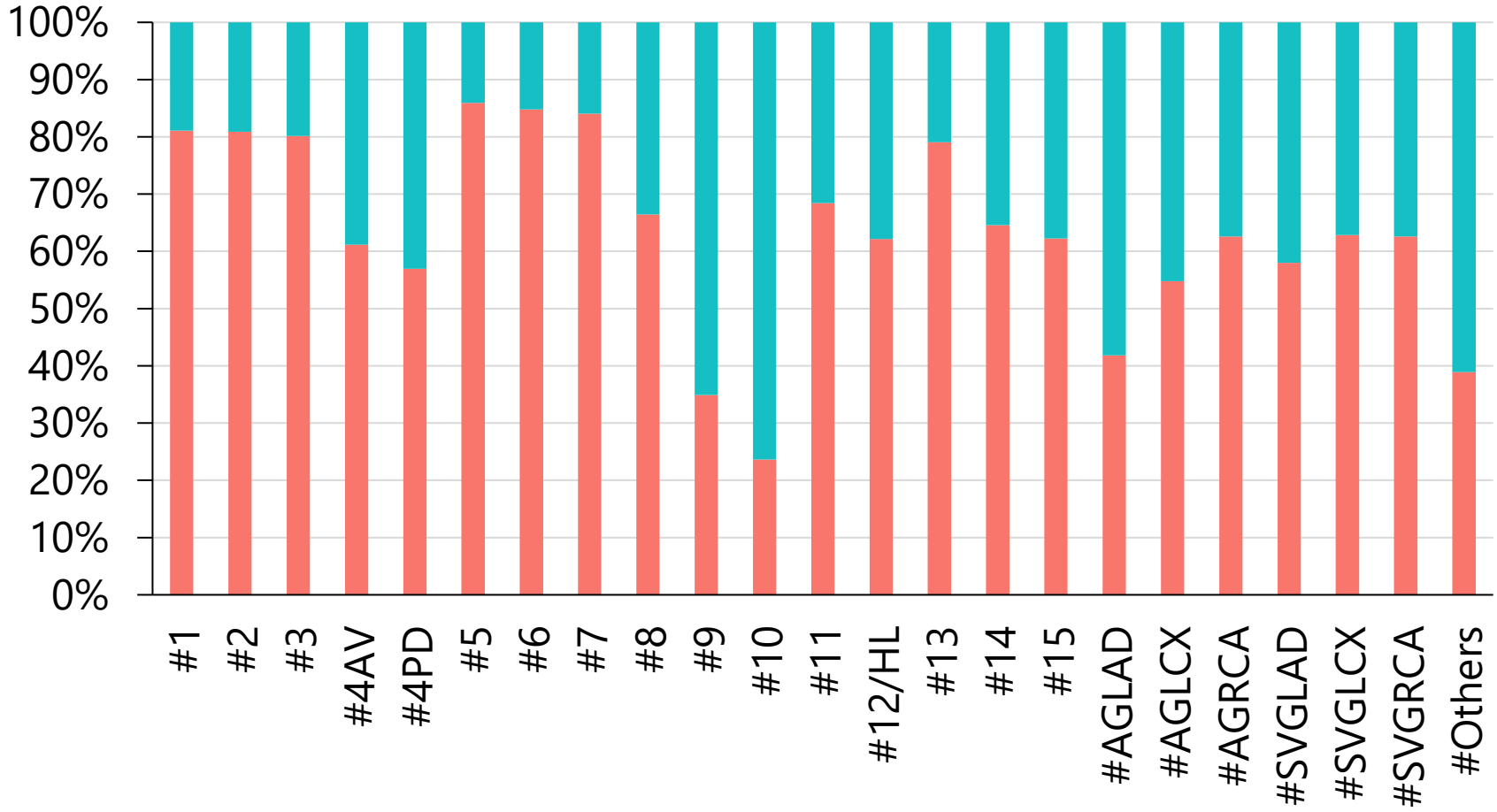
## Years



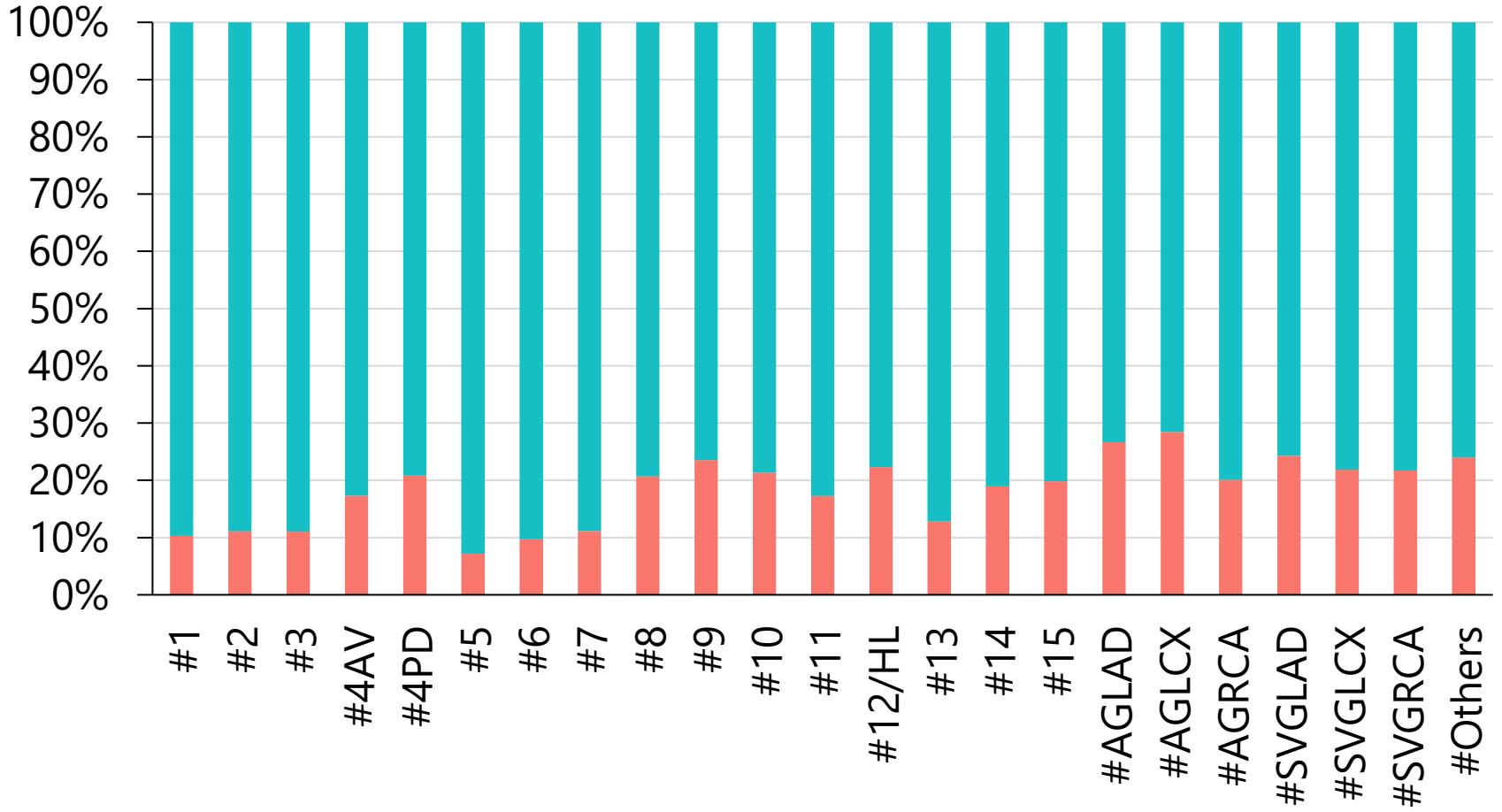
## Age



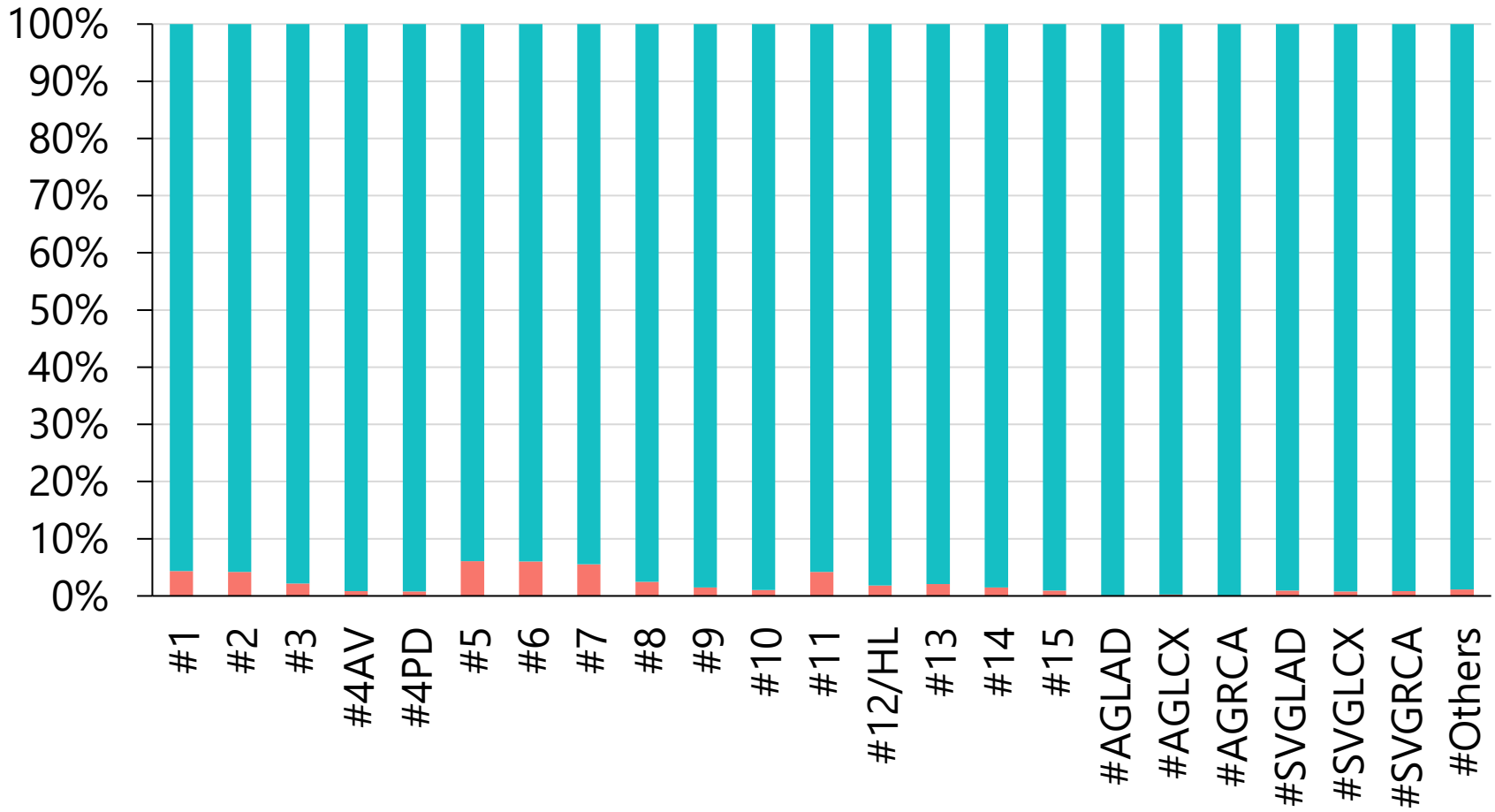
# DES



# DCB



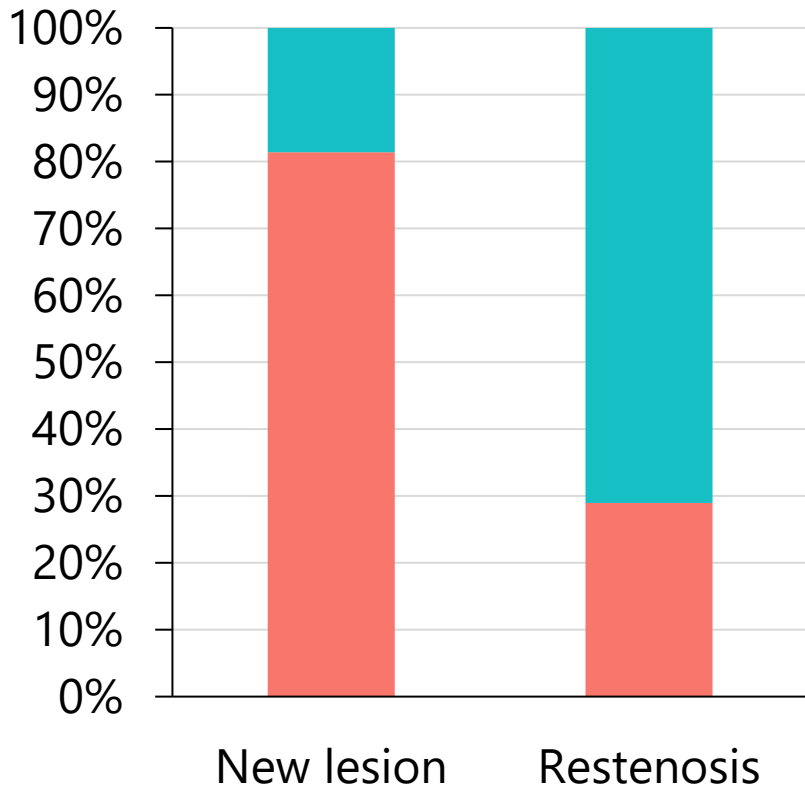
# ROTABLATOR



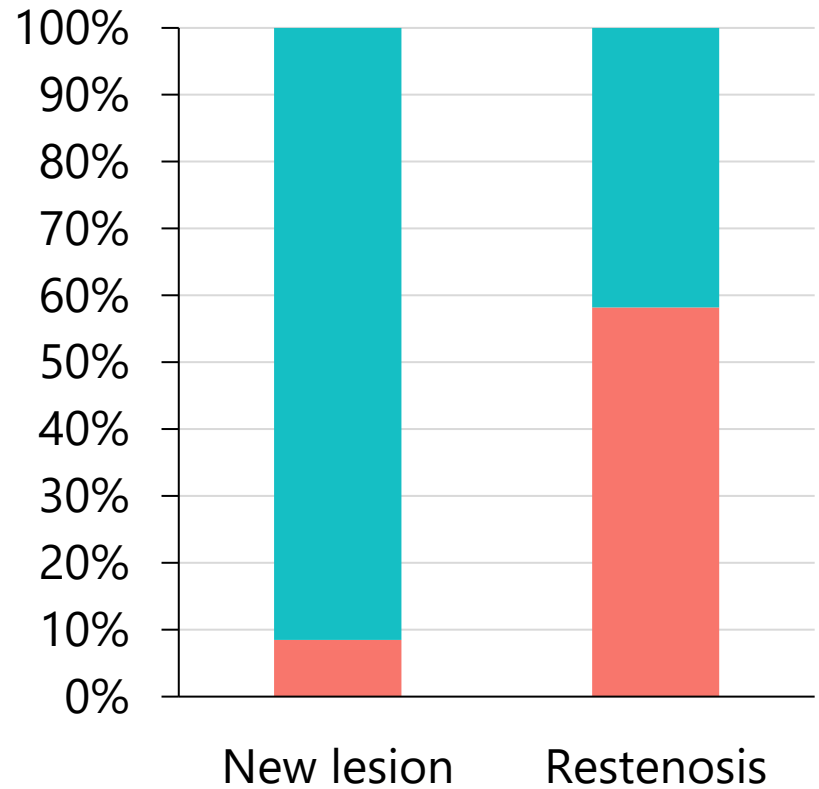


# DE NOVO VERSUS RESTENOSIS

## DES

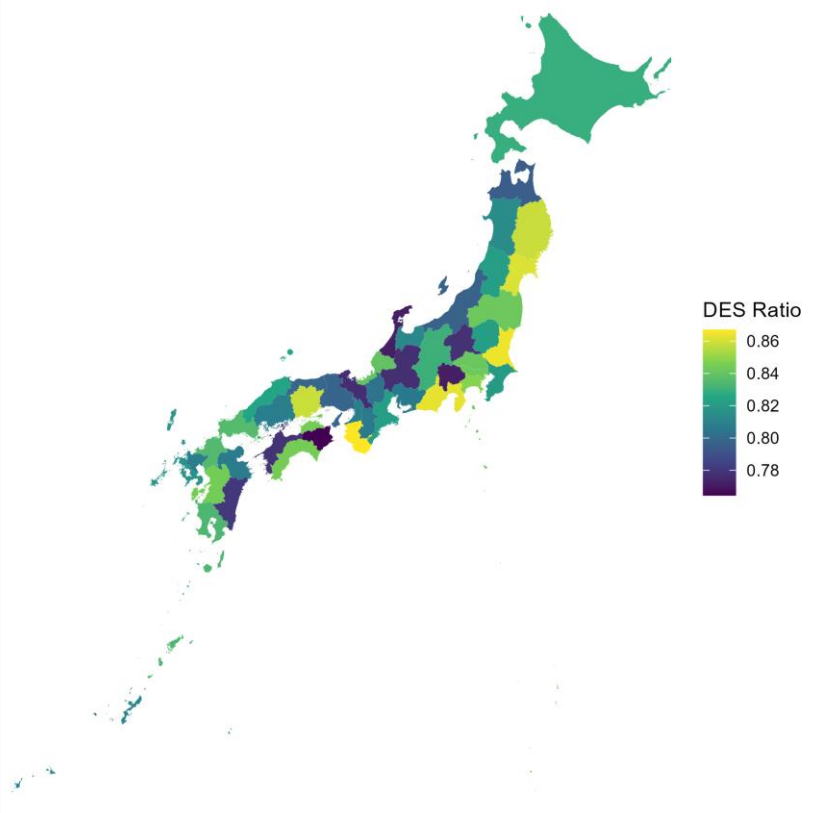


## DCB

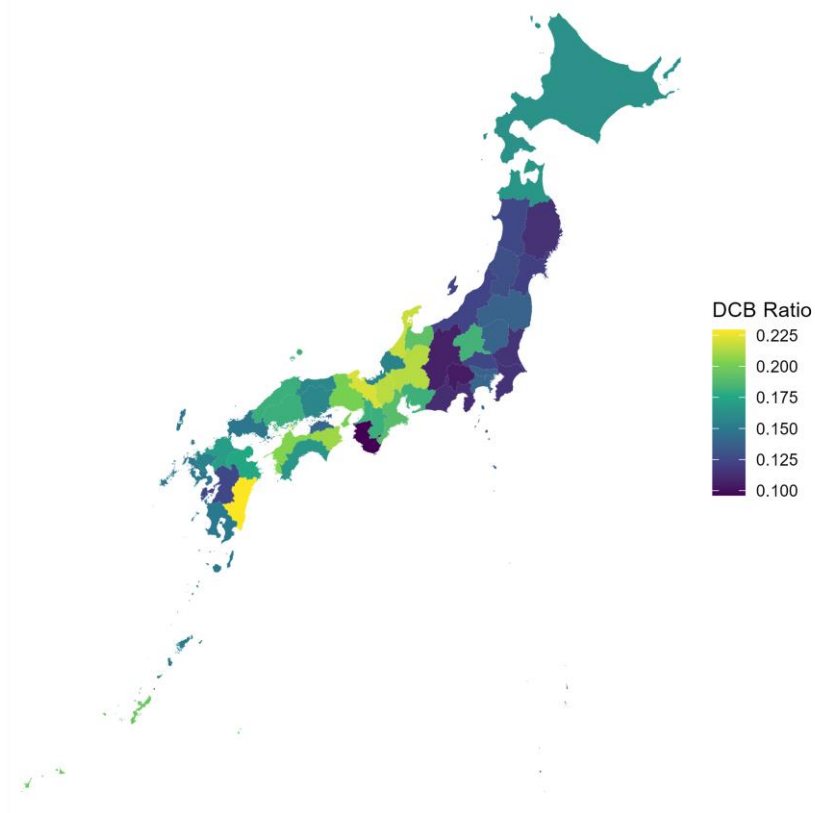


# DISTRIBUTION OF DES AND DCB RATIO

**DES**



**DCB**

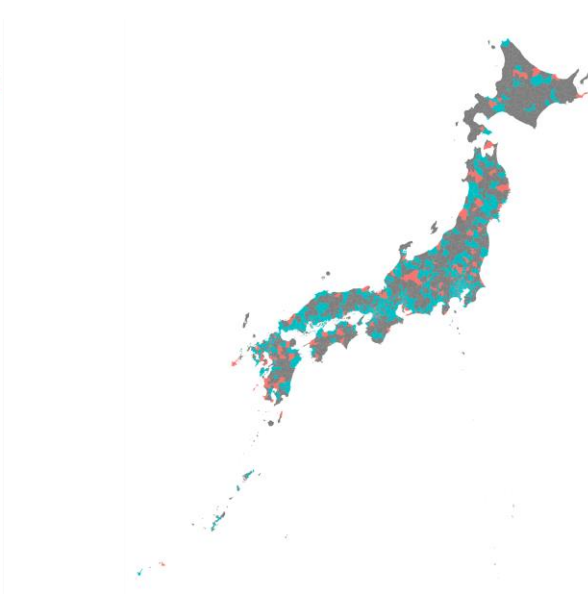


# MECHANICAL SUPPORT

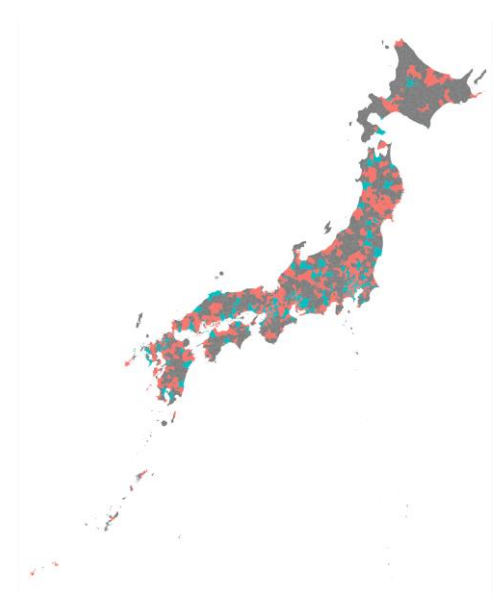
IABP



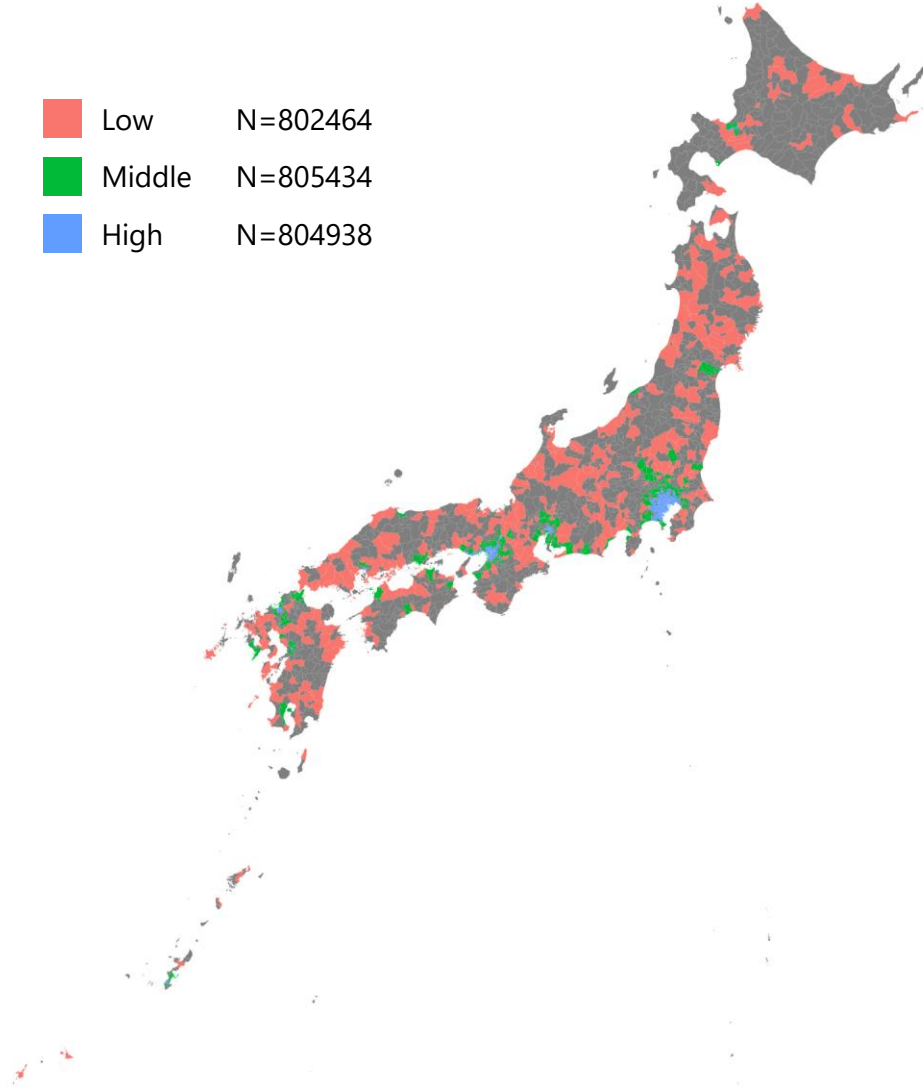
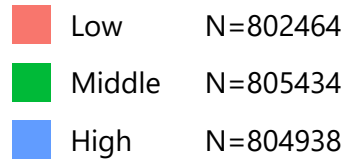
PCPS



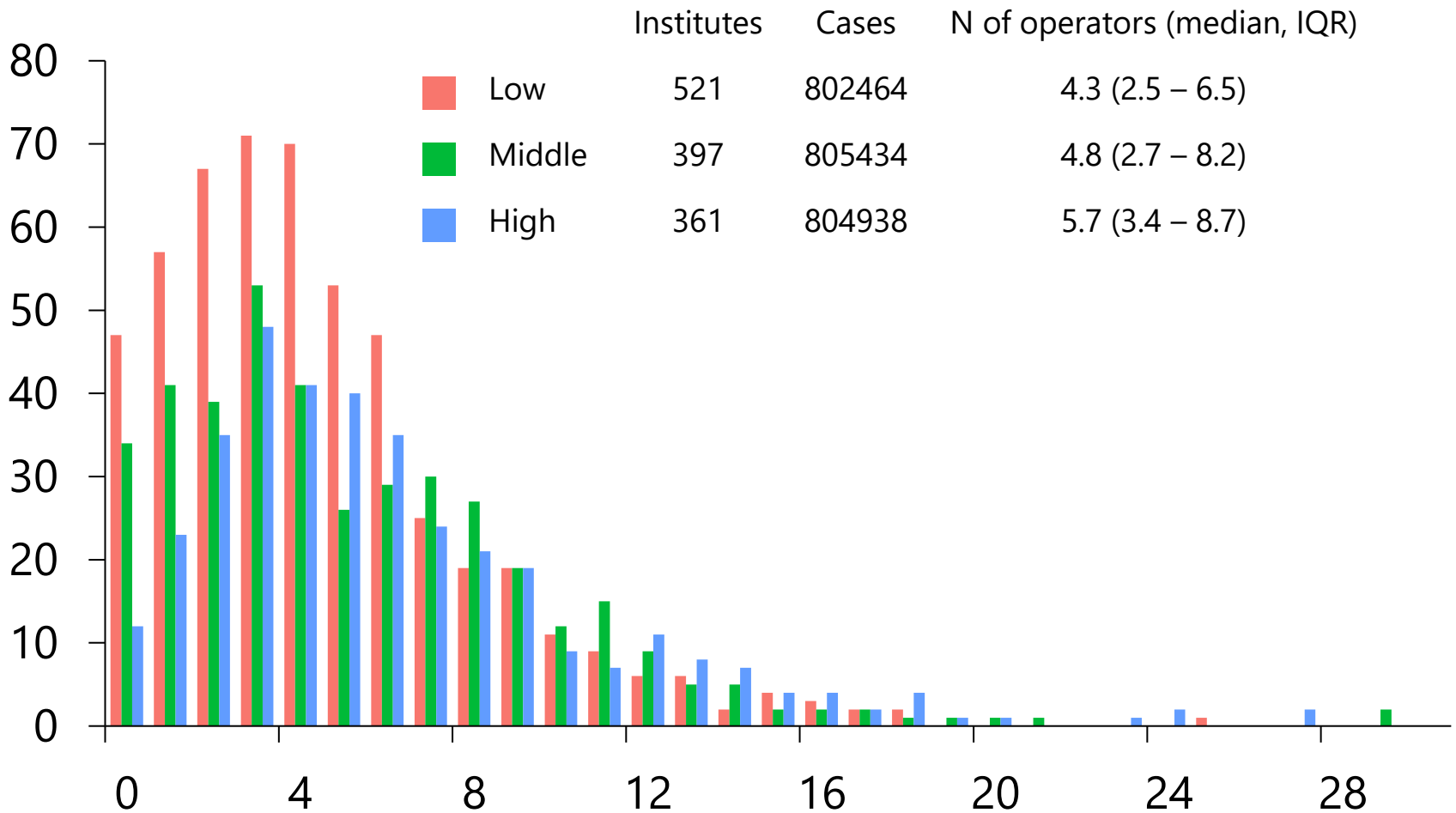
Impella



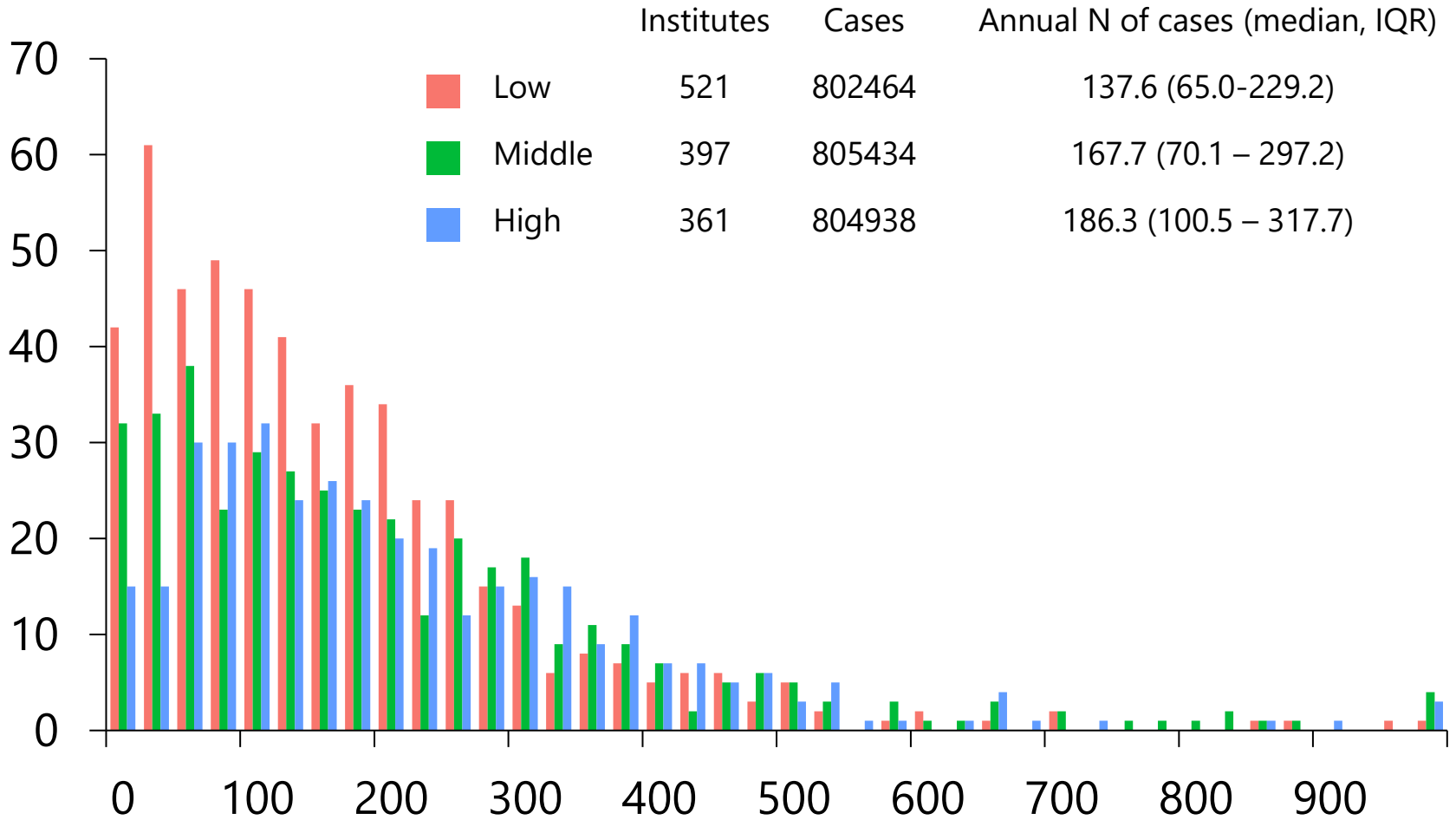
# POPULATION DENSITY



# N OF OPERATORS PER INSTITUTES



# ANNUAL NUMBER OF CASES PER INSTITUTES

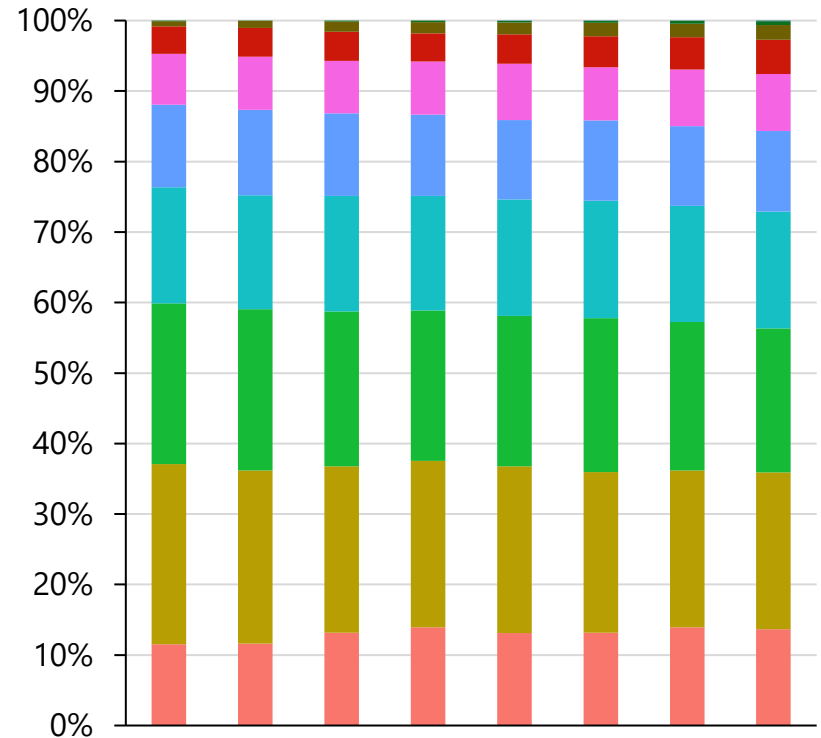
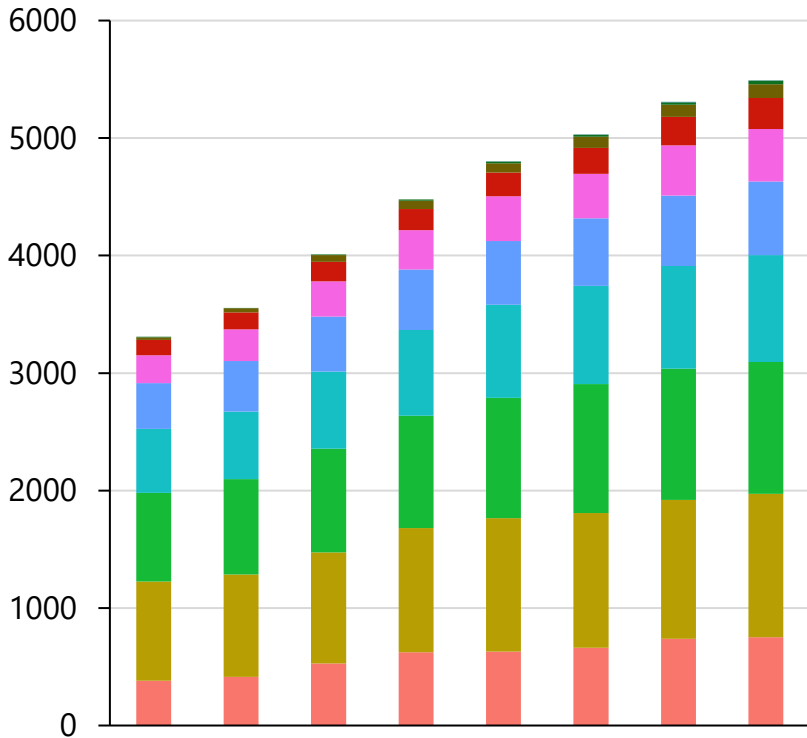


# IN-HOSPITAL MORTALITY

Overall	Univariate		Multivariable	
Low	1.00 (reference)		1.00 (reference)	
Middle	0.982 (0.957-1.01)	0.18	0.999 (0.968-1.03)	0.94
High	0.829 (0.807-0.852)	<0.001	0.889 (0.860-0.919)	<0.001

MI	Univariate		Multivariable	
Low	1.00 (reference)		1.00 (reference)	
Middle	1.04 (1.01-1.08)	0.004	0.970 (0.935-1.01)	0.10
High	0.923 (0.895-0.952)	<0.001	0.860 (0.828-0.894)	<0.001

# OPERATORS' AGE



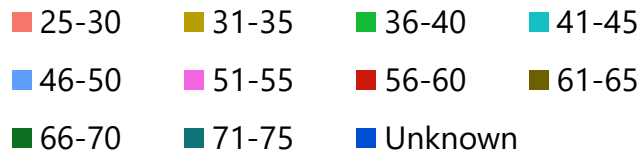
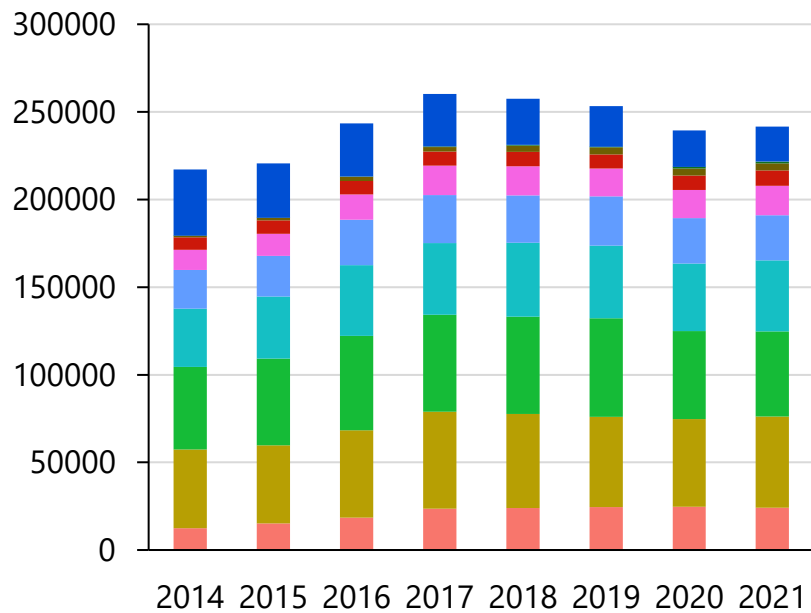
The number of operators is increasing.

There is no significant change in the age distribution of the operators.

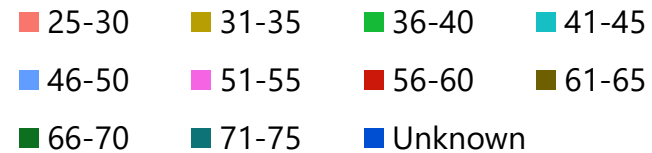
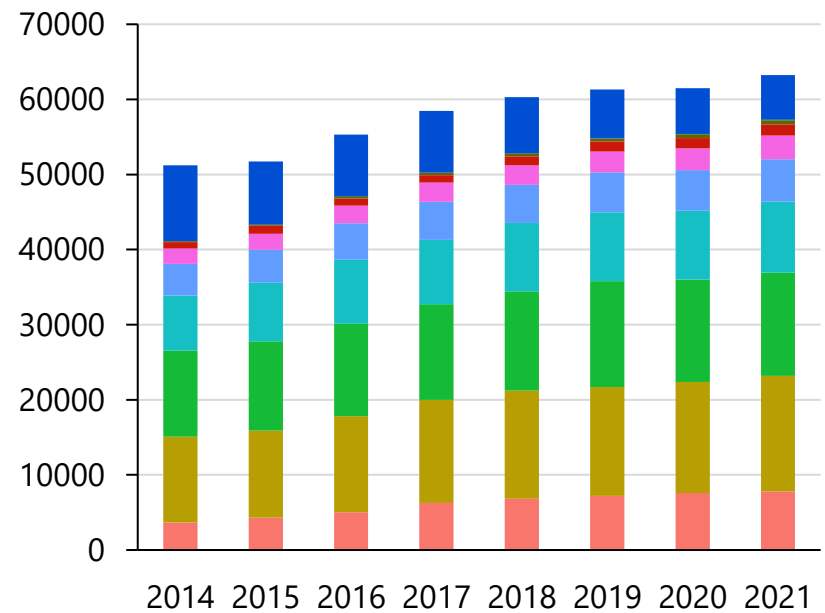


# NUMBER OF CASES ACCORDING TO OPERATORS' AGE

## Overall



## Myocardial infarction



The number of cases performed by younger operators is increasing, especially in myocardial infarction cases.

# IN-HOSPITAL MORTALITY

Operators' age	Univariate		Multivariable	
25-30	1.00 (reference)		1.00 (reference)	
31-35	1.08 (1.03-1.13)	<0.001	1.06 (1.00-1.12)	0.04
36-40	1.11 (1.06-1.16)	<0.001	1.11 (1.06-1.18)	<0.001
41-45	1.06 (1.01-1.11)	0.01	1.15 (1.09-1.22)	<0.001
46-50	1.02 (0.967-1.07)	0.50	1.19 (1.12-1.27)	<0.001
51-55	0.910 (0.856-0.966)	0.002	1.28 (1.19-1.38)	<0.001
56-60	0.736 (0.680-0.797)	<0.001	1.11 (1.01-1.22)	0.04
61-65	0.741 (0.658-0.835)	<0.001	1.39 (1.20-1.60)	<0.001
66-70	0.522 (0.383-0.712)	<0.001	1.39 (0.961-2.01)	0.08
71-75	0.606 (0.226-1.62)	0.32	1.12 (0.263-4.79)	0.88

# IN-HOSPITAL MORTALITY (MI)

Operators' age	Univariate		Multivariable	
25-30	1.00 (reference)		1.00 (reference)	
31-35	1.15 (1.10-1.21)	<0.001	1.05 (0.991-1.12)	0.09
36-40	1.27 (1.21-1.34)	<0.001	1.13 (1.06-1.20)	<0.001
41-45	1.30 (1.24-1.38)	<0.001	1.11 (1.04-1.19)	0.001
46-50	1.40 (1.32-1.49)	<0.001	1.19 (1.10-1.27)	<0.001
51-55	1.43 (1.34-1.53)	<0.001	1.35 (1.24-1.47)	<0.001
56-60	1.40 (1.28-1.53)	<0.001	1.26 (1.12-1.41)	<0.001
61-65	1.51 (1.30-1.75)	<0.001	1.50 (1.25-1.80)	<0.001
66-70	1.03 (0.678-1.57)	0.89	1.32 (0.783-2.23)	0.30
71-75	1.97 (0.609-6.36)	0.26	2.00 (0.216-18.6)	0.54

# SUMMARY

- Not enough time to present the overview of J-PCI registry.
- Please visit CVIT website for the detailed data.
- Thank you!