The Role of J-PCI registry in the Optimization of Cardiovascular Care

循環器診療の適正化における J-PCIレジストリ の役割

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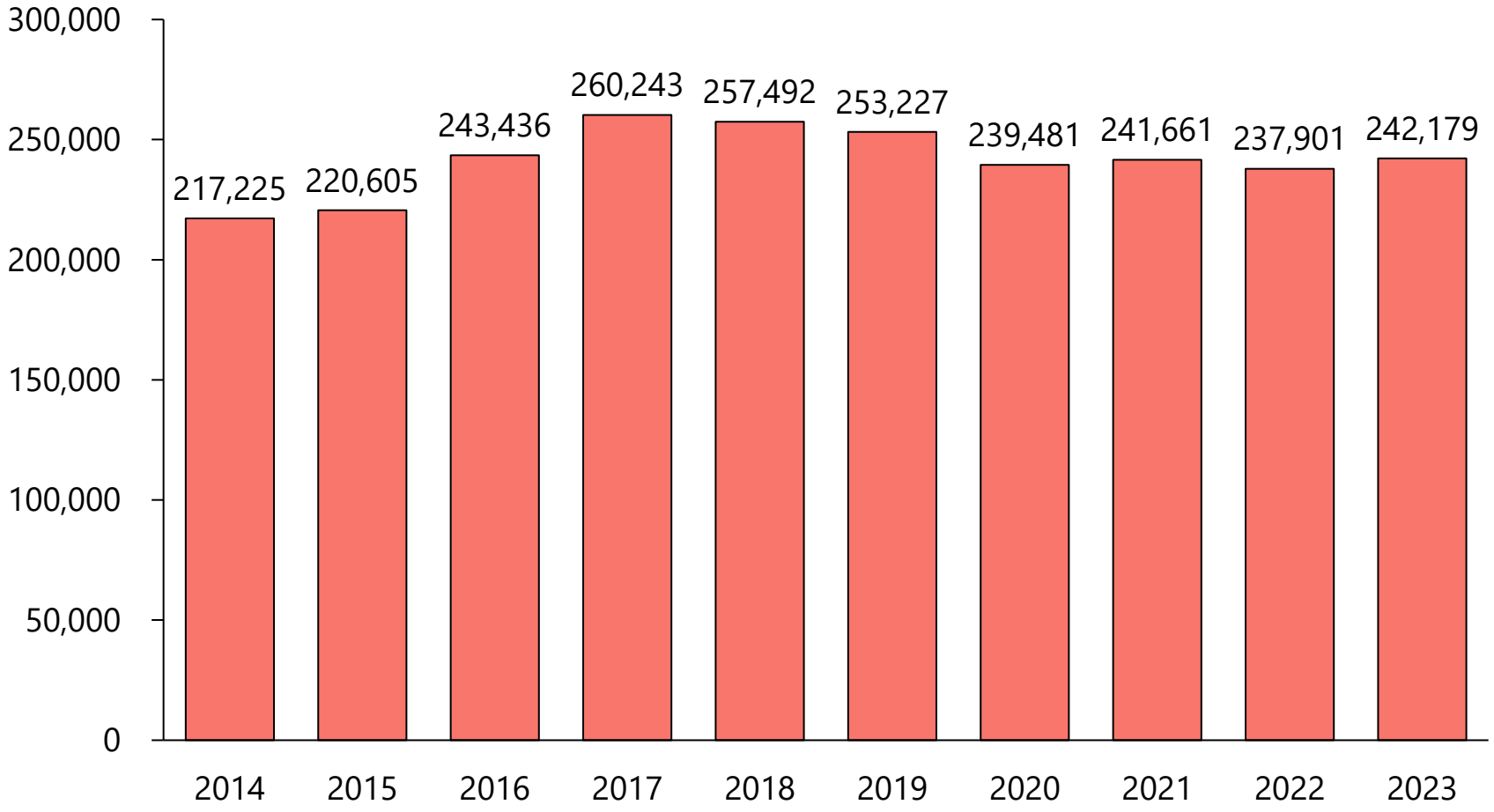
COI 開示

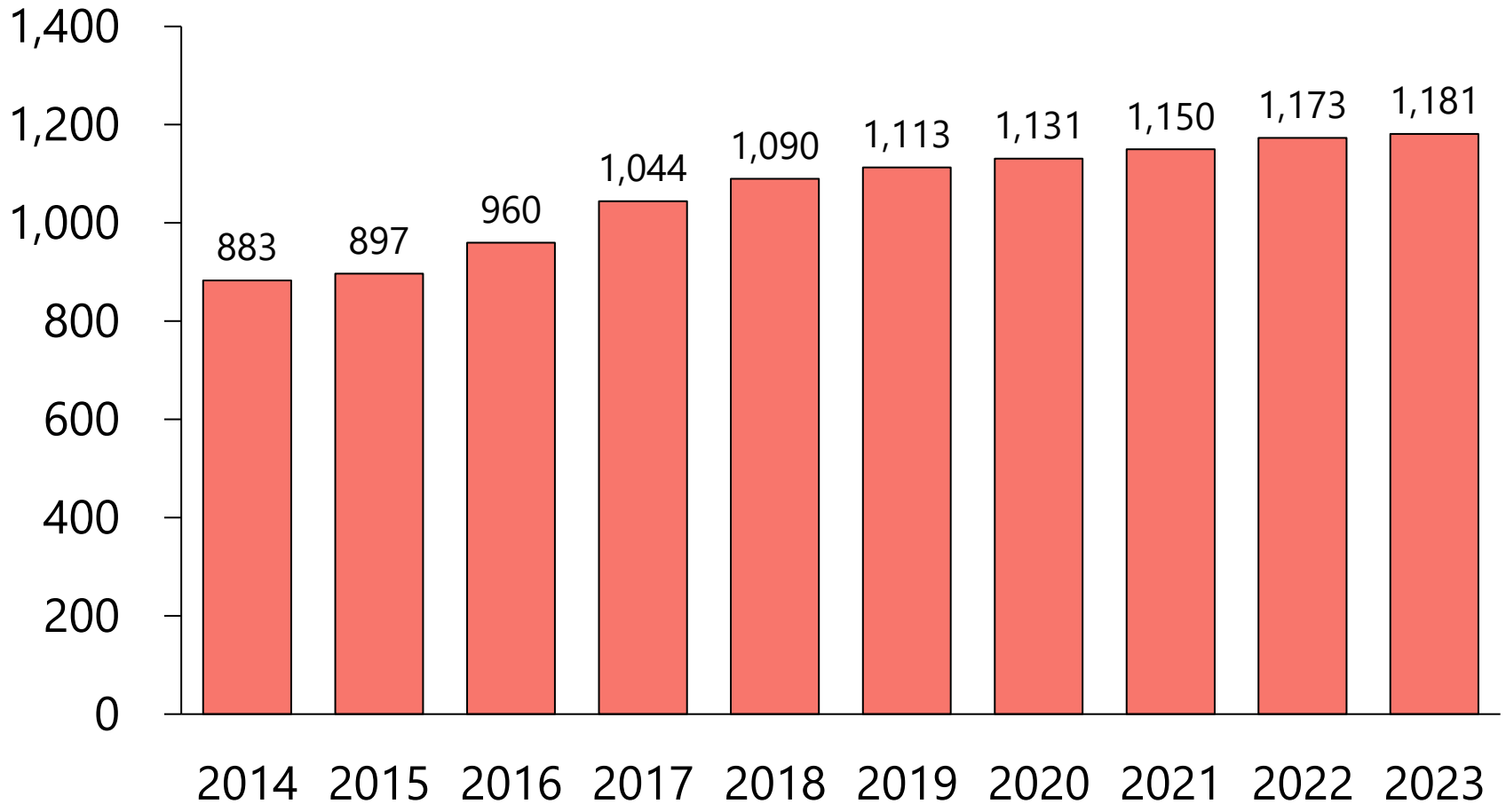
筆頭発表者名：山地 杏平

J-PCI REGISTRY

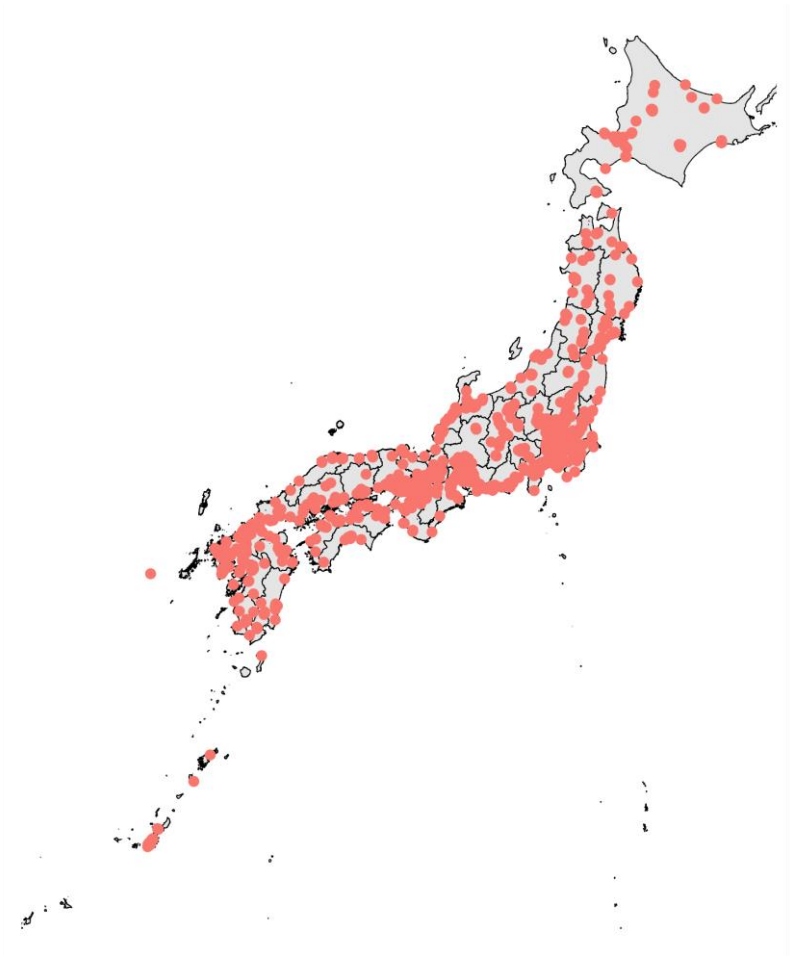
2,413,450 cases



J-PCI INSTITUTES

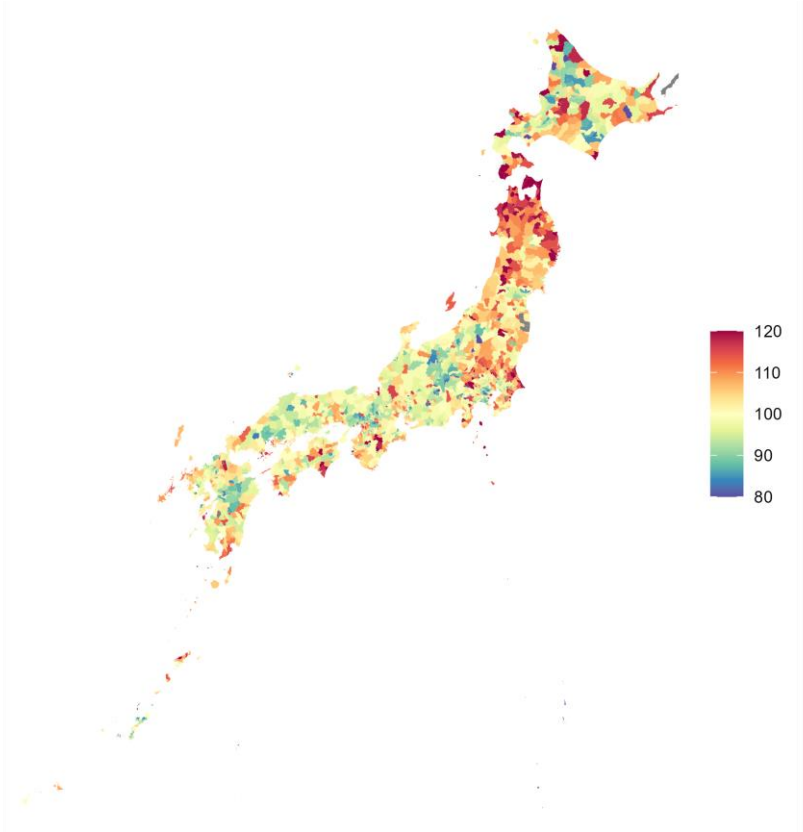


J-PCI INSTITUTES

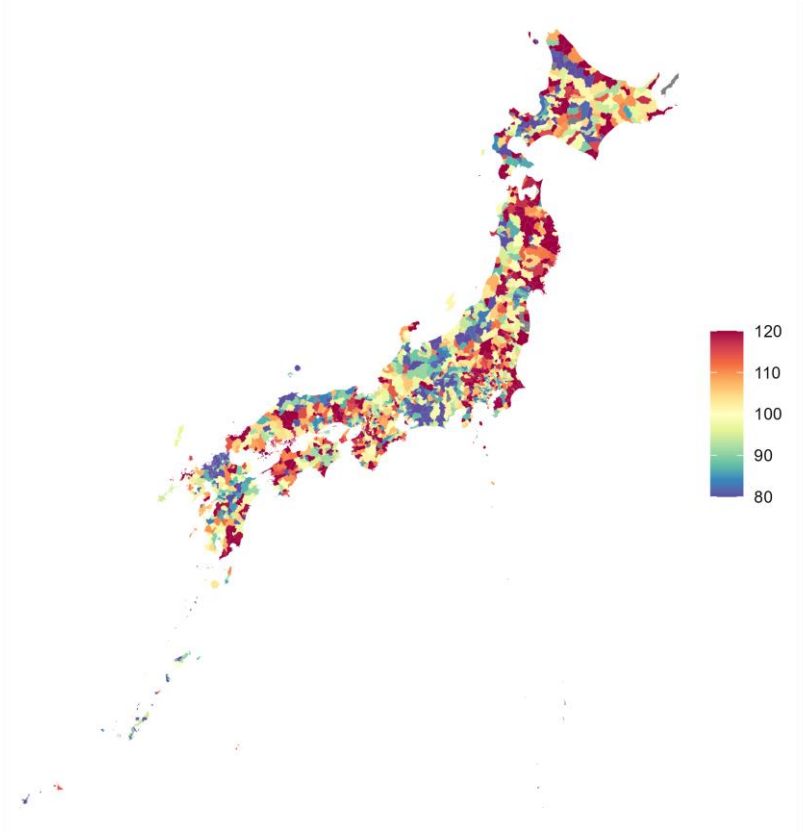


STANDARDIZED MORTALITY

All-cause mortality



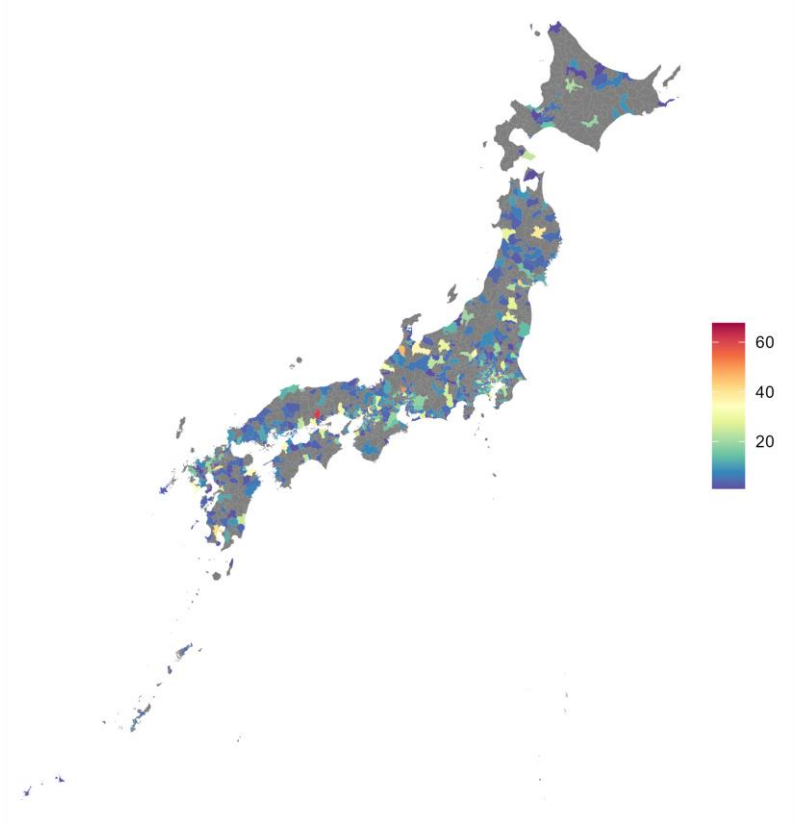
Cardiac mortality



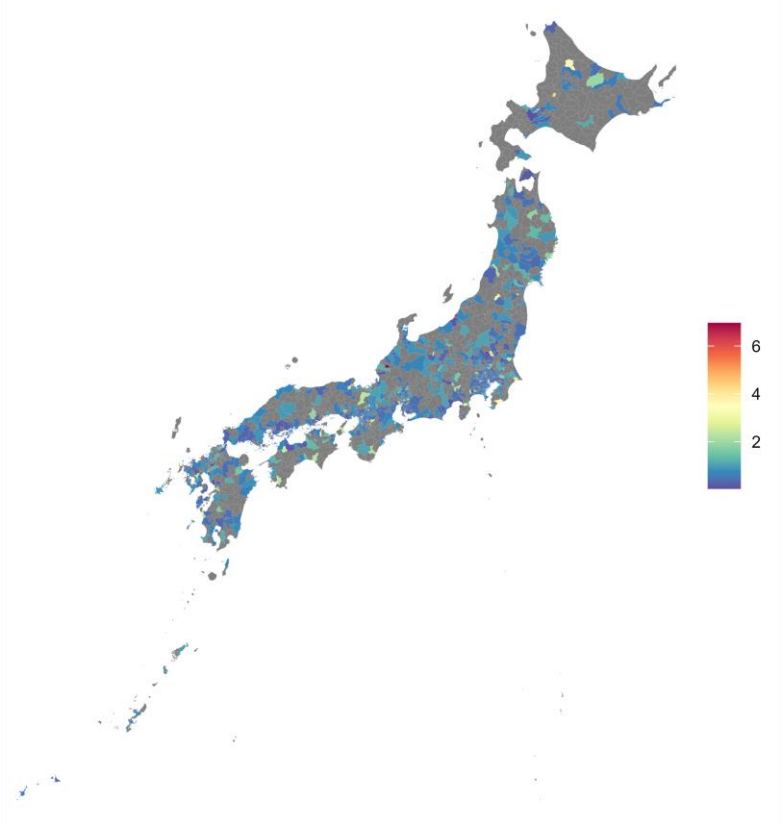
2018-2022 Vital statistics

NUMBER OF OPERATORS

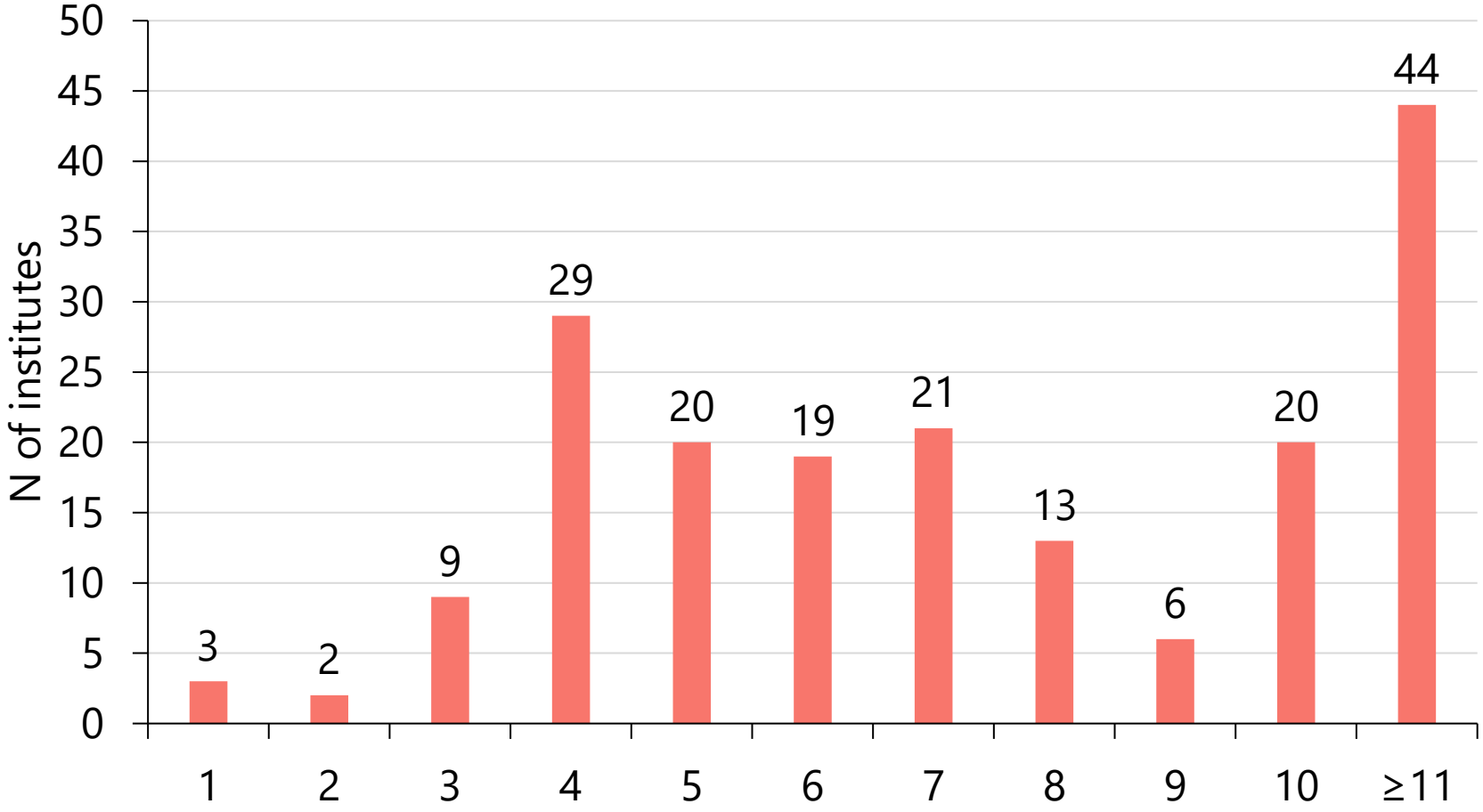
N operators per administrative districts



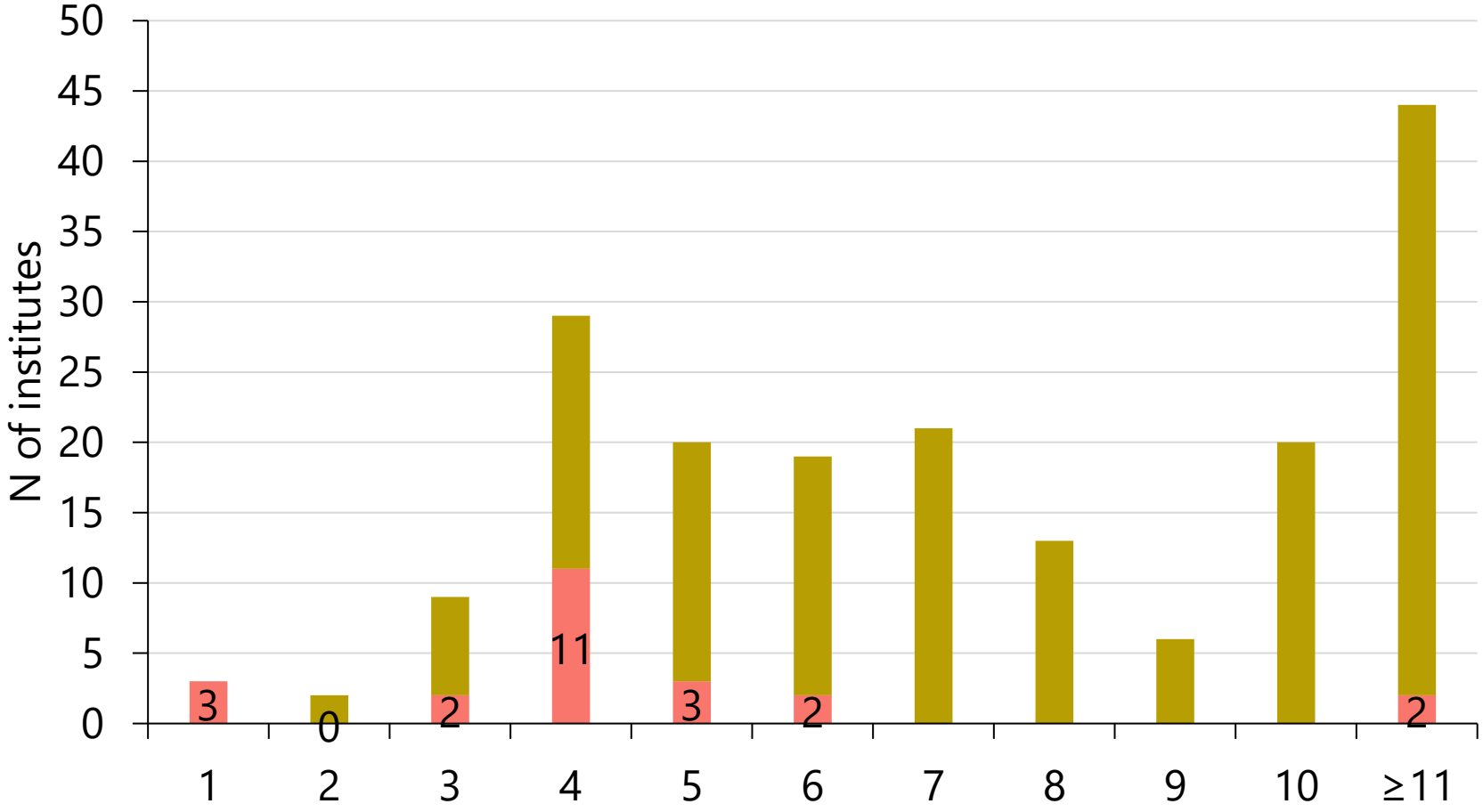
N operators per 10000 population



TOTAL NUMBER OF OPERATORS

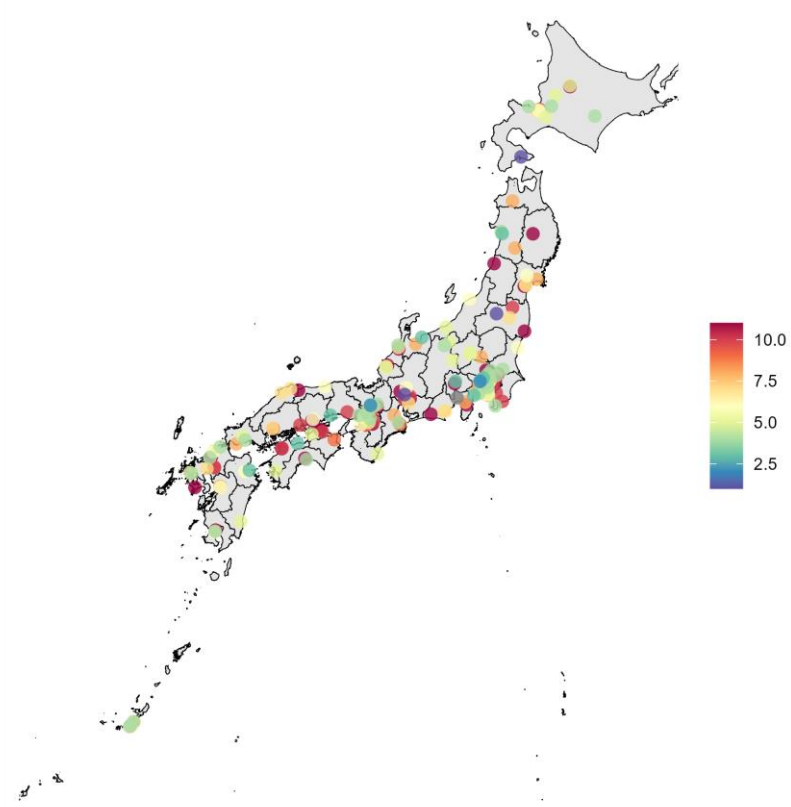


ONE PHYSICIAN FOR NIGHT EMERGENCY PROCEDURES

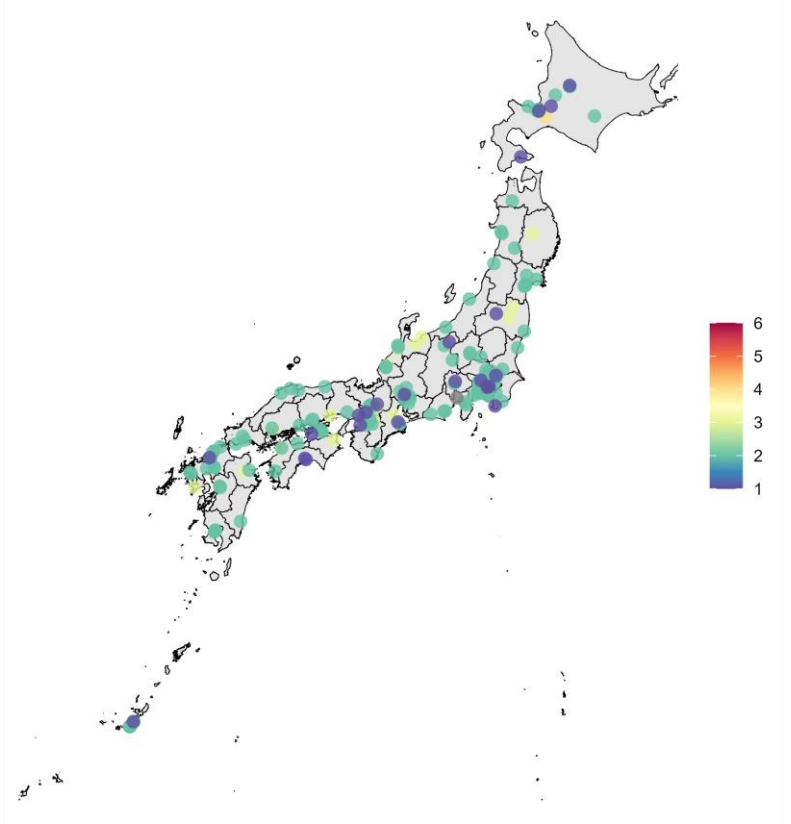


TOTAL NUMBER OF OPERATORS

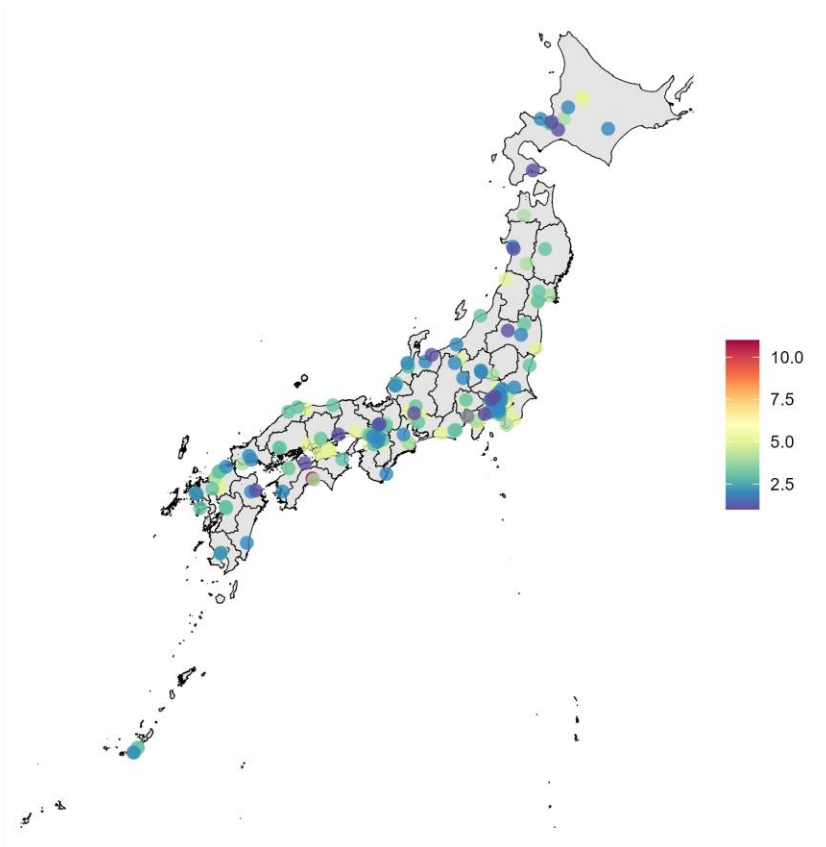
Total number of operators

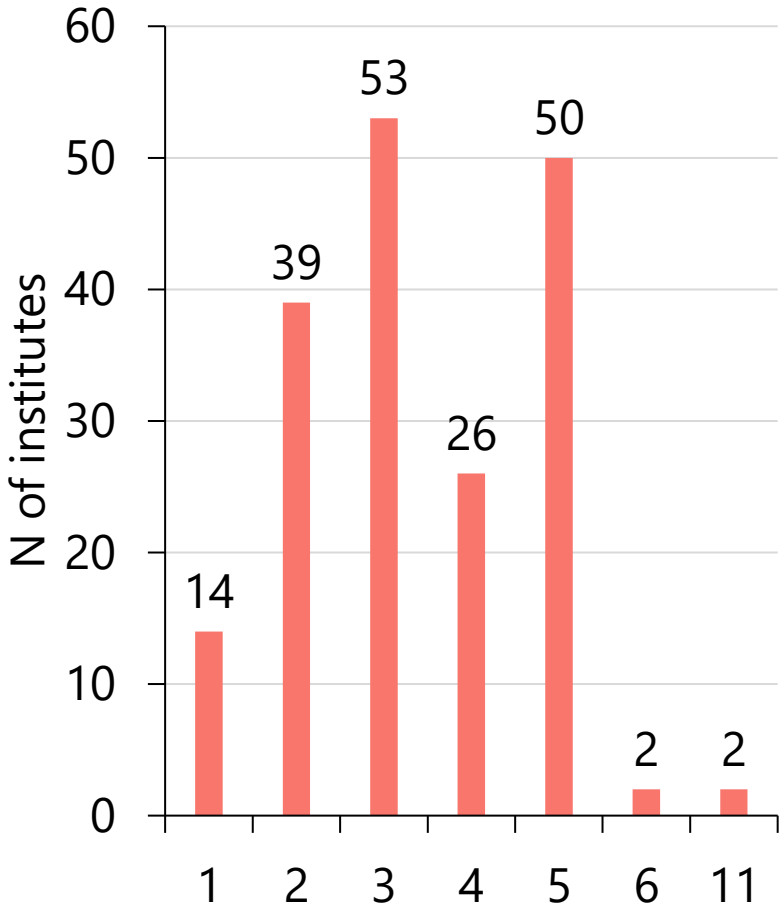


Number of operators for night emergency procedures



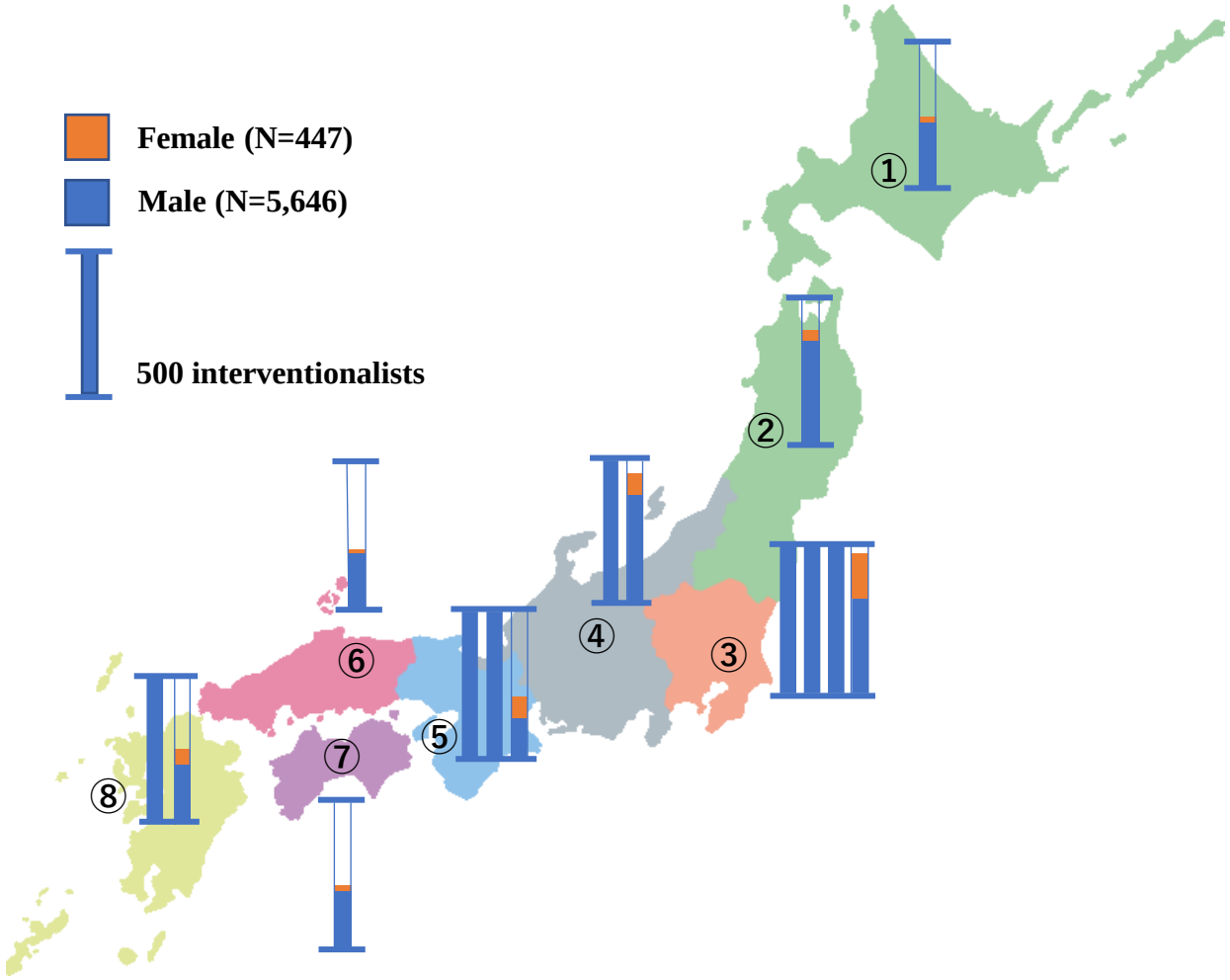
MEAN INTERVAL DAYS FOR NIGHT SHIFT



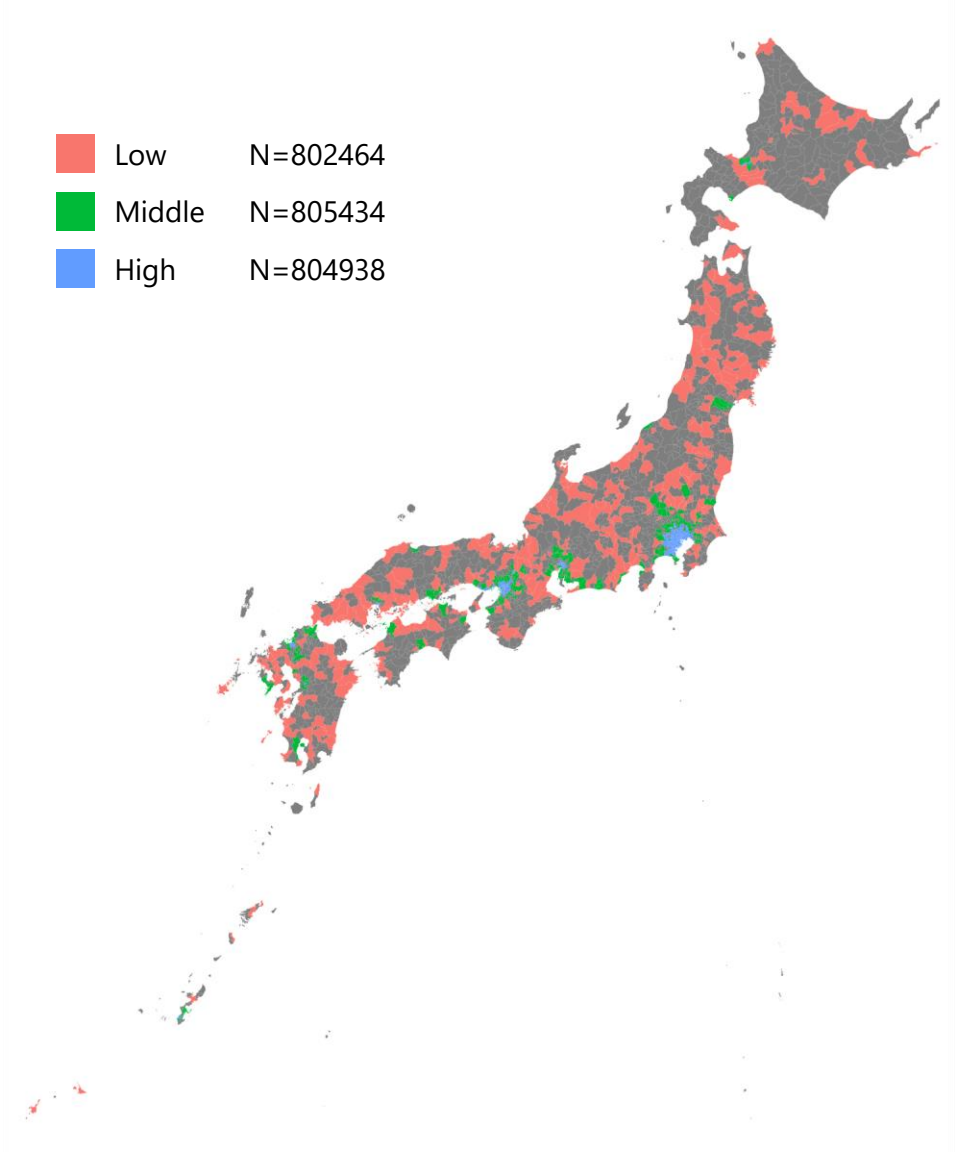


OPERATORS: MALE VERSUS FEMALE

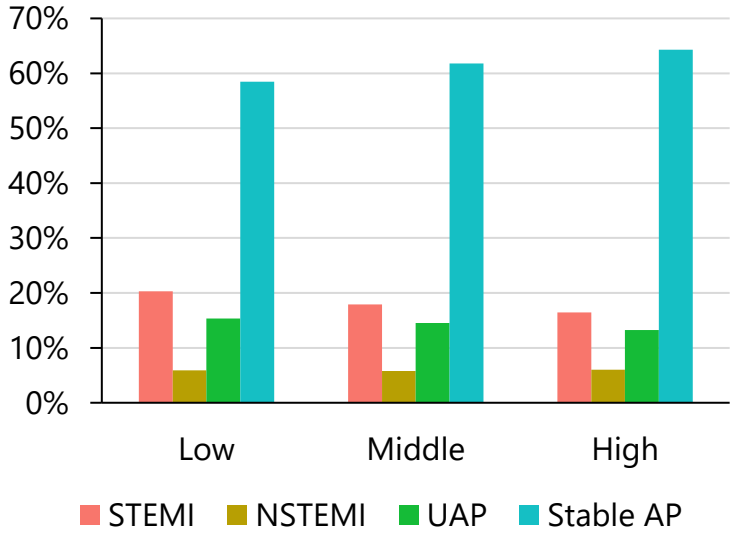
Saeko Takahashi et al. *JACC Asia* 2024 accepted

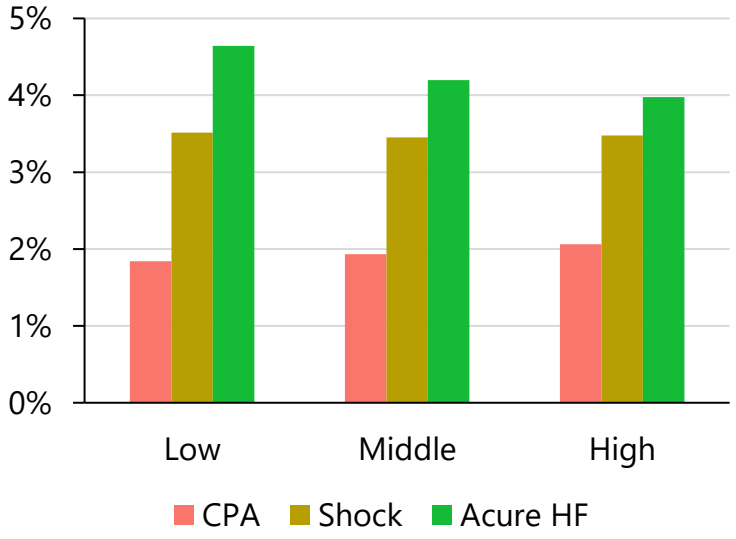


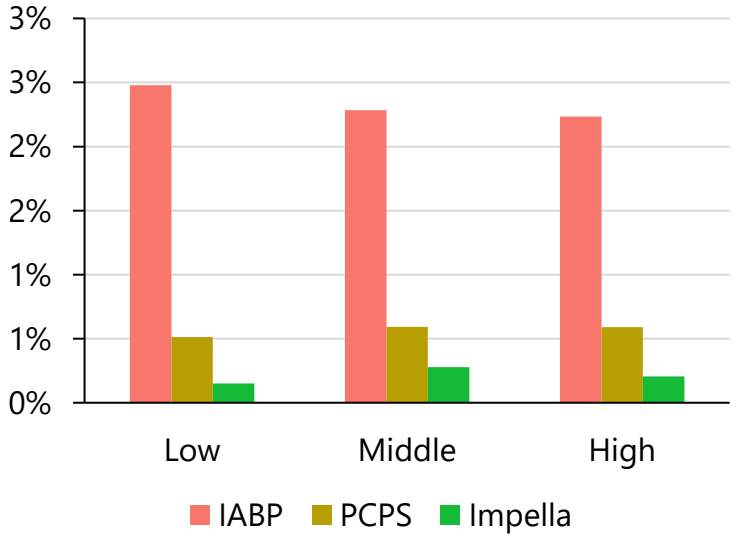
POPULATION DENSITY

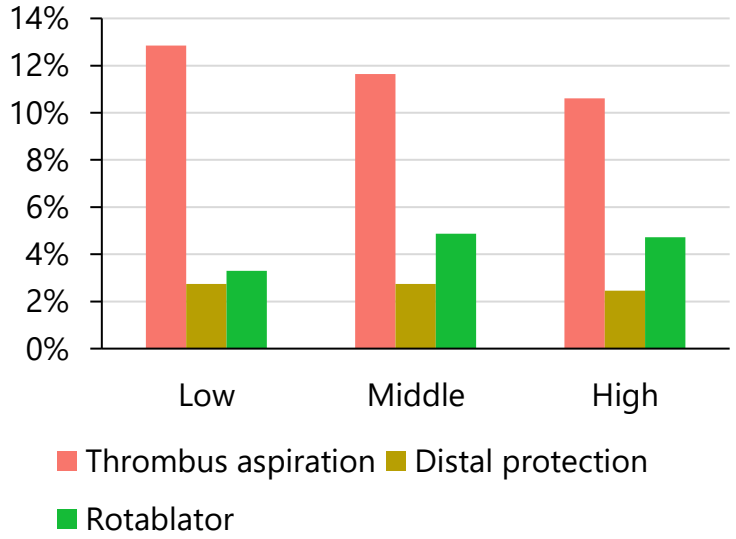


BASELINE CHARACTERISTICS



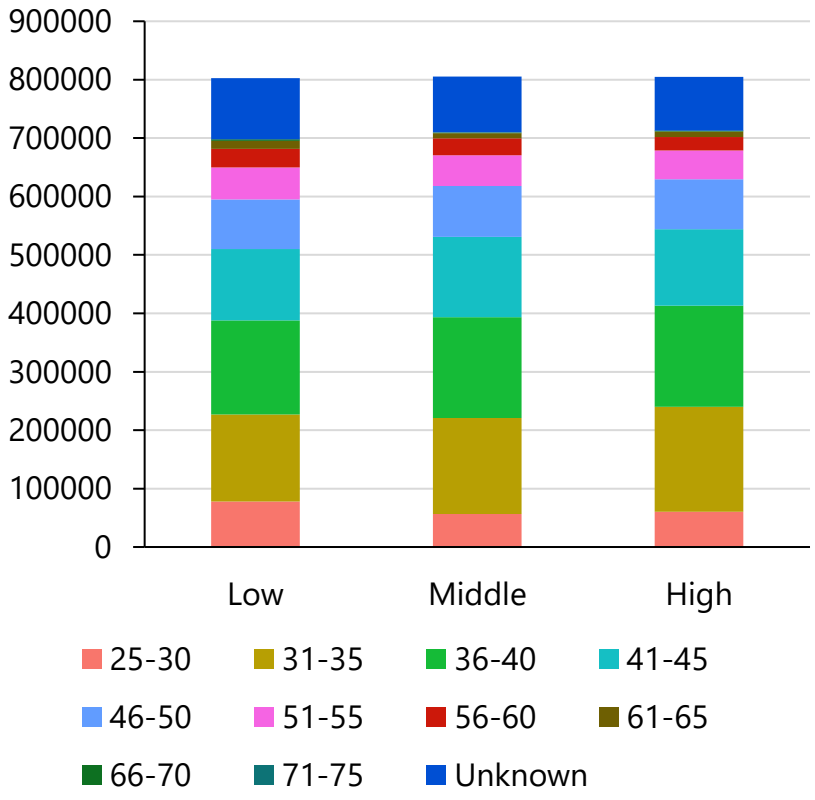




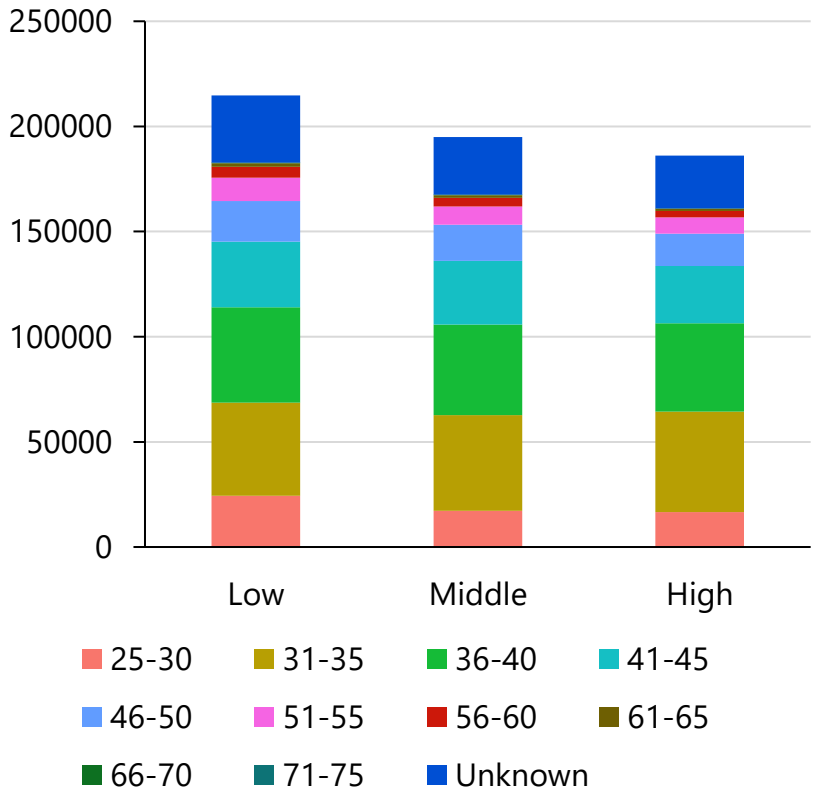


OPERATORS' AGE

Overall

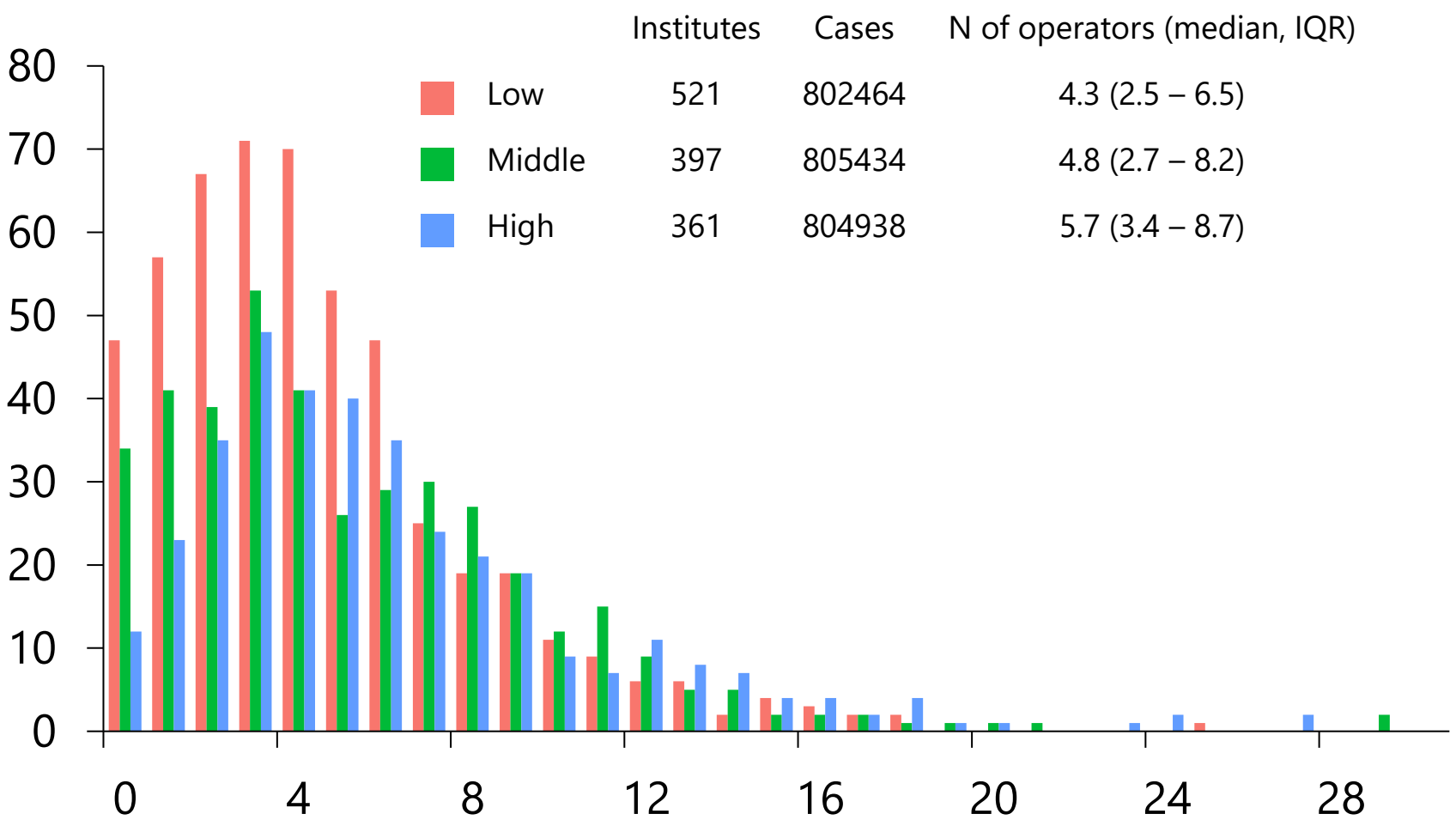


Myocardial infarction

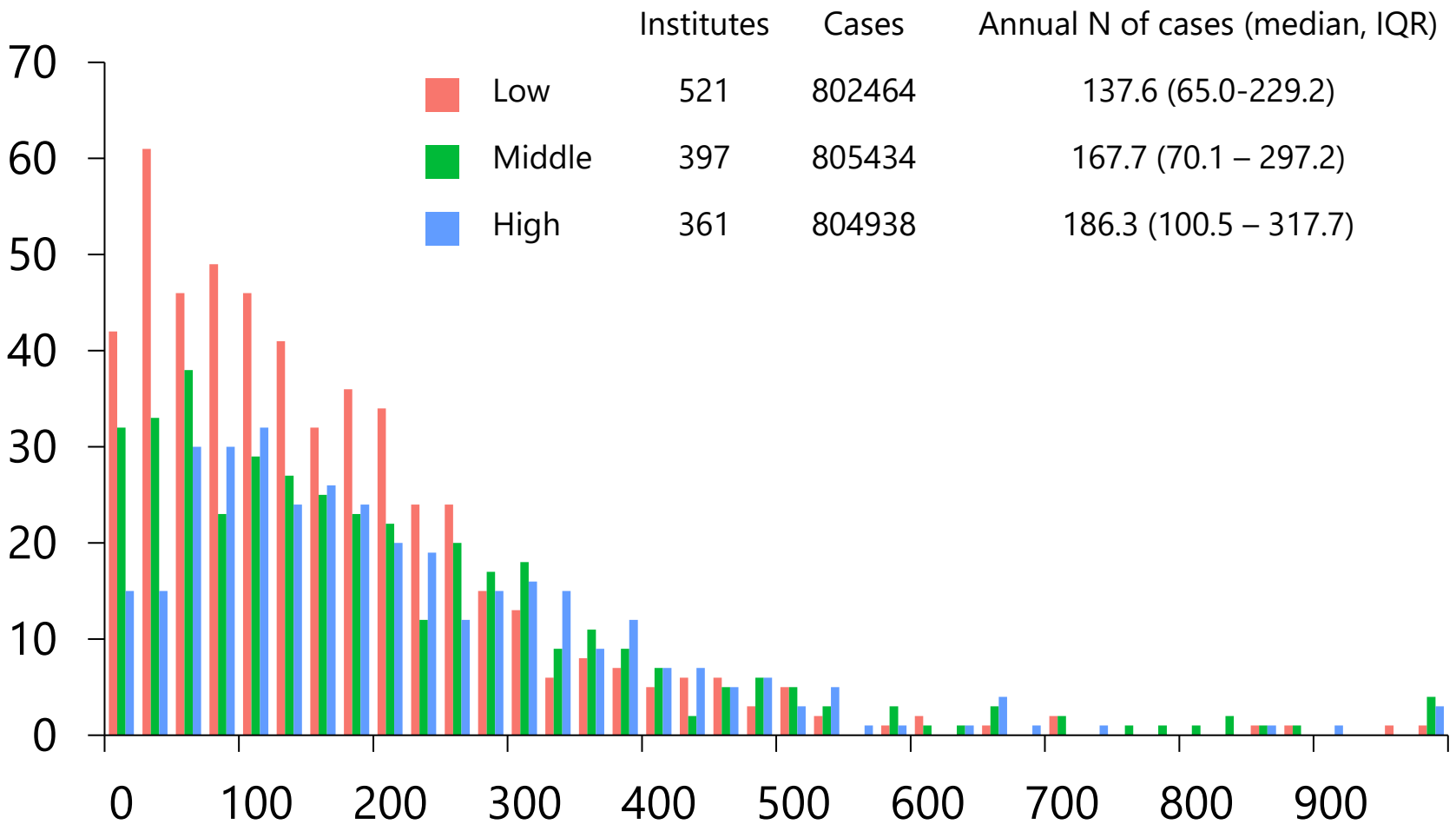


In areas with low population density, there are more cases performed by younger operators.

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

SUMMARY

- The number of operators for night emergency procedures is particularly low in rural areas.
- The average interval days between night shifts is too short, especially considering the current "work style reform" era.
- The lower in-hospital mortality in rural areas might be due to the small number of operators.