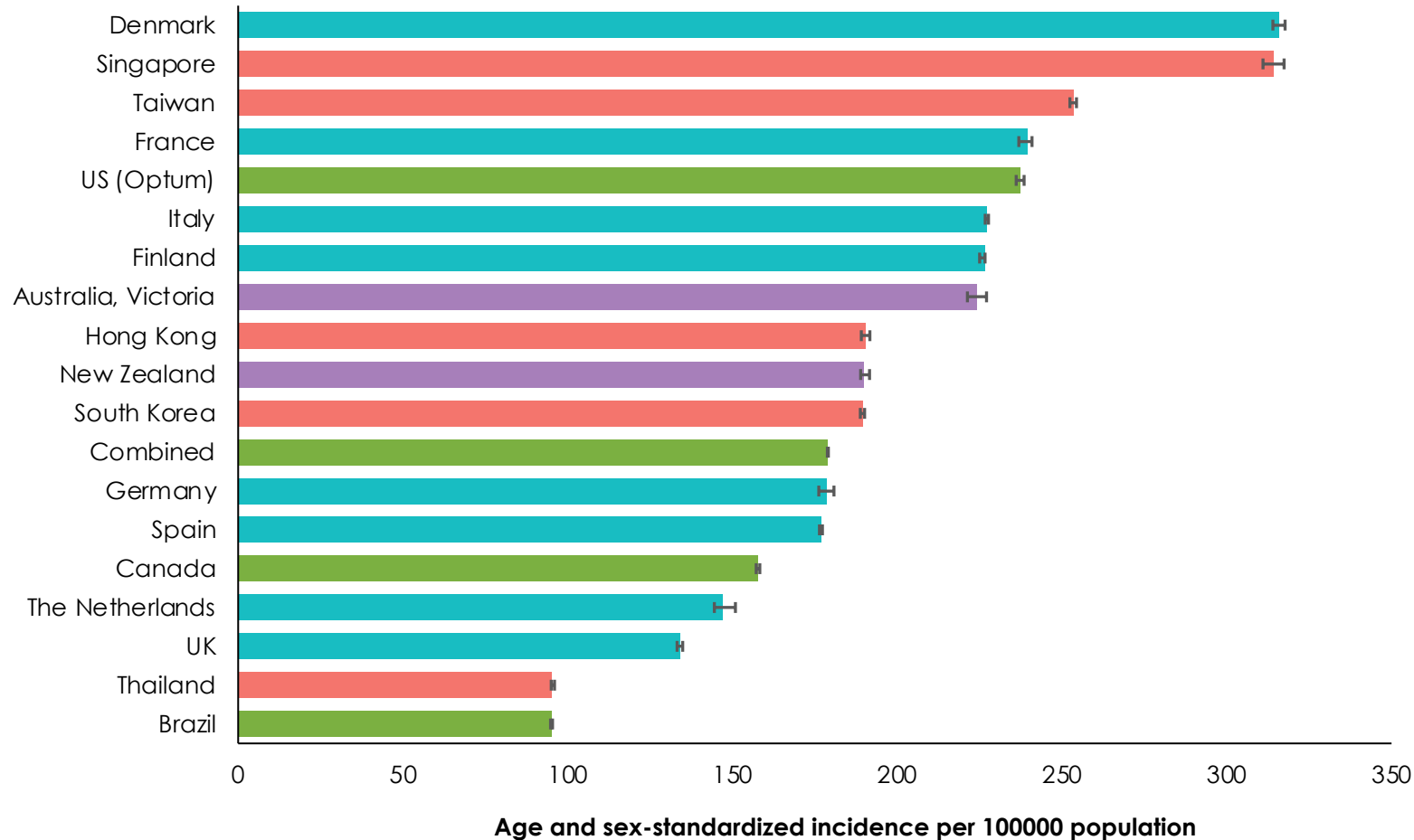


Incidence Rate of Hip Fractures Over the Study Years by Region



- **Two** out of the **top three countries** with the highest incidence rates of hip fractures were in **Asia**
- The **top two countries** with the highest incidence rates had **3x** more hip fractures than the **bottom two countries** with the lowest incidence rates

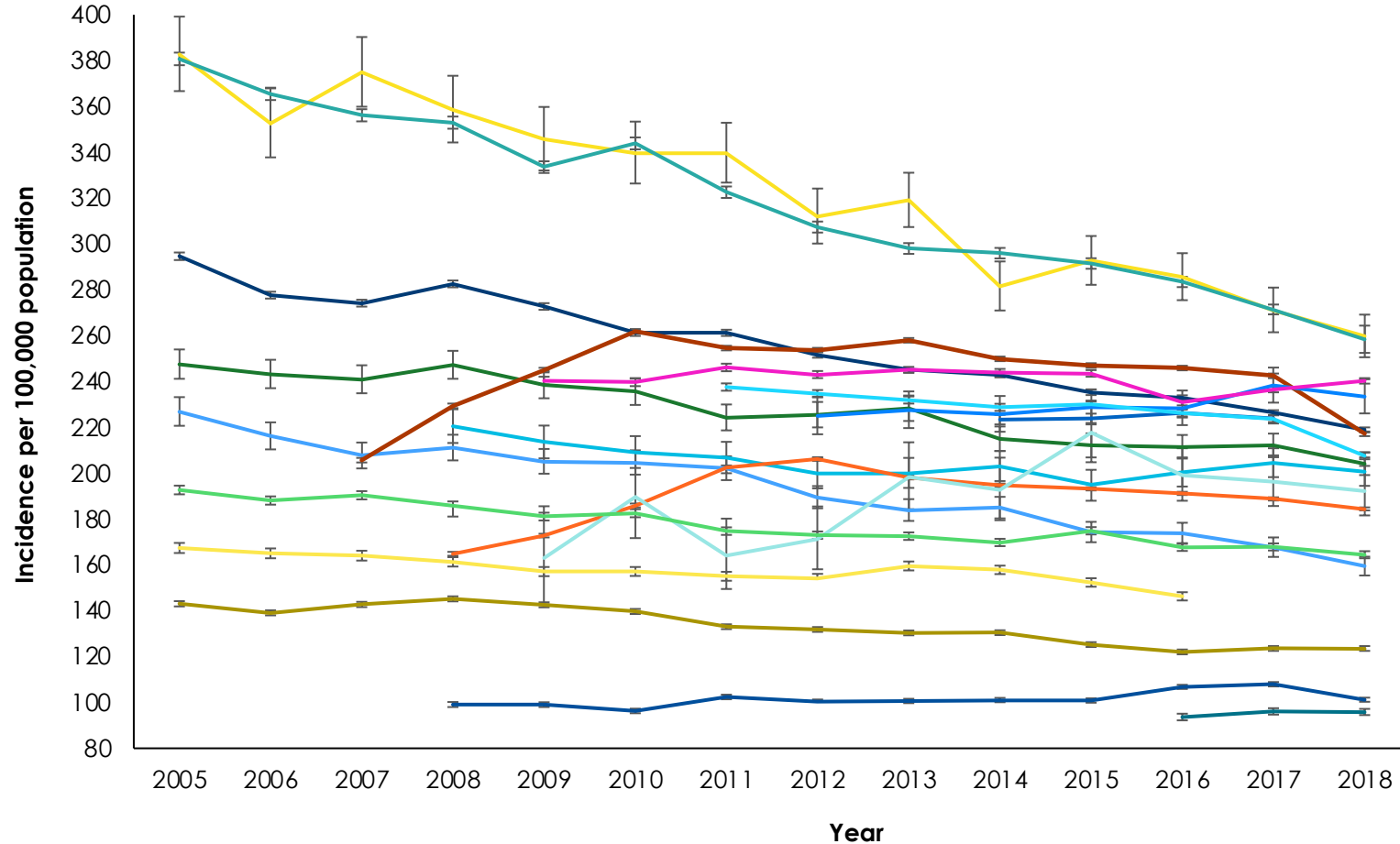
Region

- Asia
- North and South America
- Oceania
- Northern and Western Europe

UK, United Kingdom; US, United States. Data for Japan and US (Medicare) are not shown because the age groups were not comparable in the two databases.

Reference: Sing CW, et al. *J Bone Miner Res.* 2023;38:1064-1075. Supplemental information.

Incidence of Hip Fracture Over Time



- In age- and sex-standardized incidence rates over time, a **decreasing trend** was observed in **11**, an **increasing trend** in **five**, and **no substantial change** in **four** databases

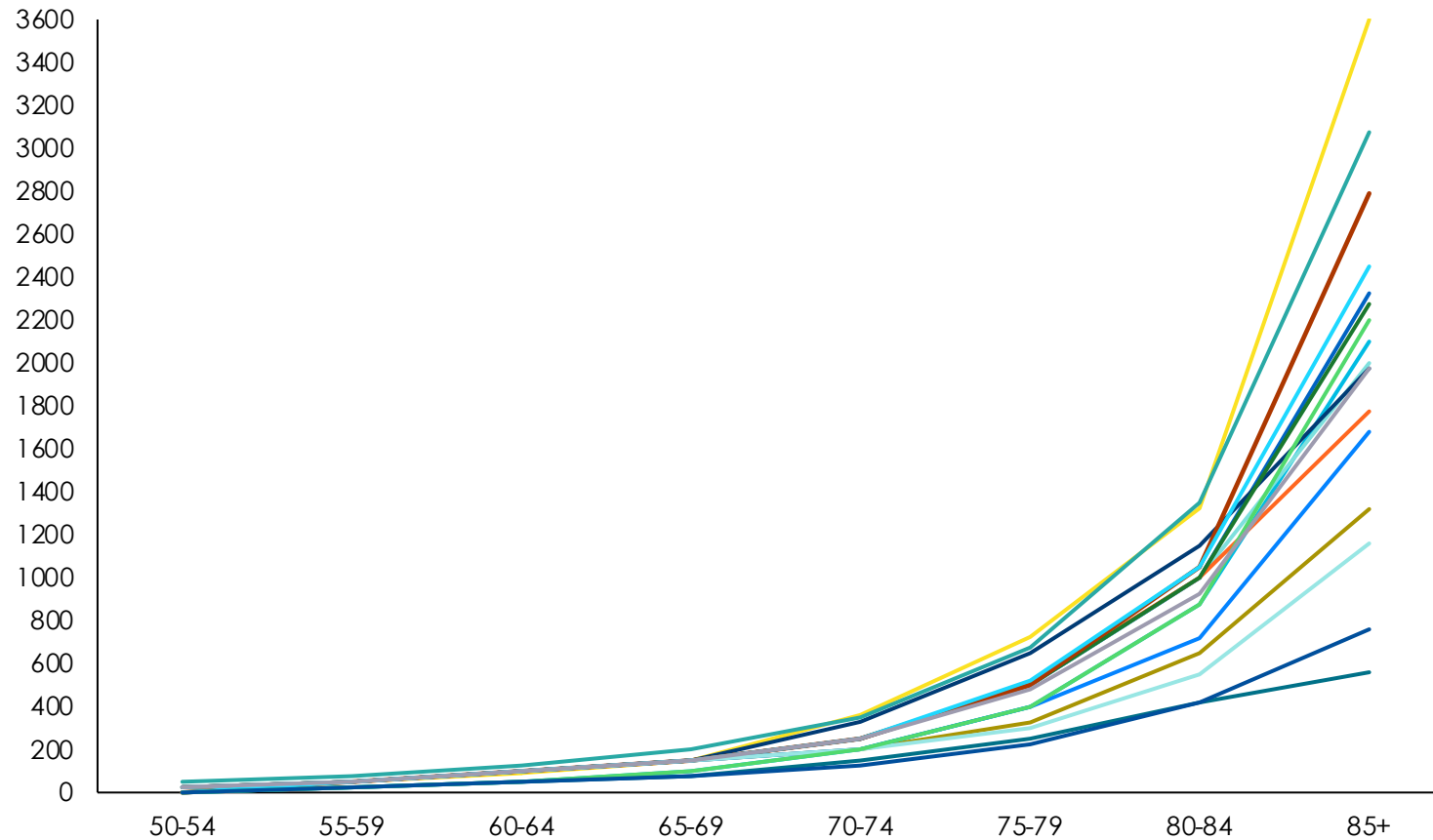
Site

Singapore	Denmark	US (Optum)
Taiwan	France	Italy
The Netherlands	South Korea	Spain
UK	Brazil	Thailand
Germany	Australia/Victoria	Finland
New Zealand	Hong Kong	Canada

UK, United Kingdom; US, United States. Data for Japan and US (Medicare) are not shown because the age group were not comparable in the two databases.

Reference: Sing CW, et al. *J Bone Miner Res.* 2023;38:1064-1075.

Incidence Rate of Hip Fracture by Age



- The incidence of hip fracture rates **increased with age**

Site

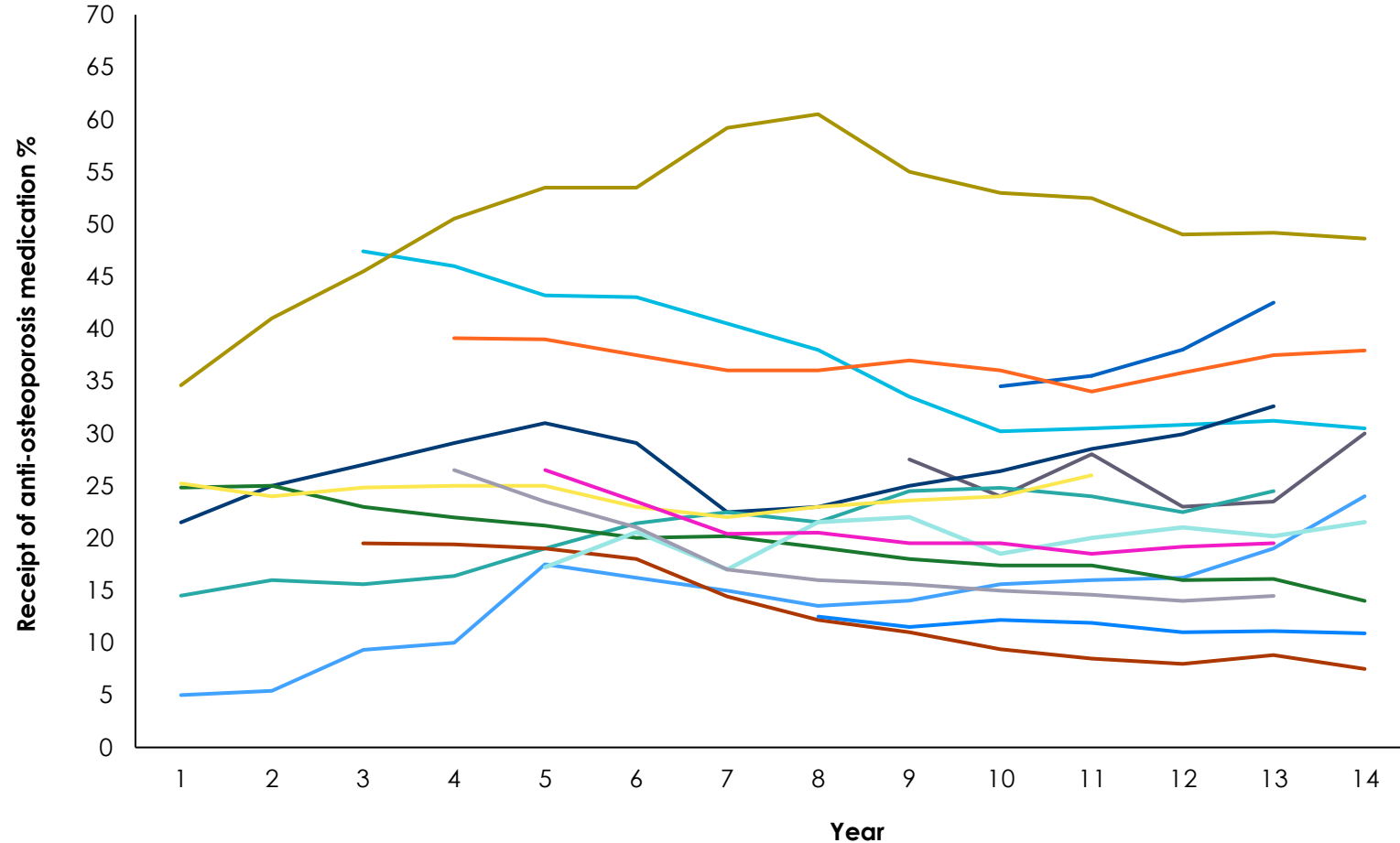
Singapore	Denmark	Australia/Victoria
Finland	Hong Kong	Taiwan
Germany	Canada	Brazil
Thailand	France	Italy
New Zealand	Spain	US (Medicare)
South Korea	UK	The Netherlands
US (Optum)	Japan	

The legend is ordered by the incidence rates (largest to smallest) in 2018 (or the most recent year available in the database).

UK, United Kingdom; US, United States.

Reference: Sing CW, et al. *J Bone Miner Res.* 2023;38:1064-1075. Supplemental information.

Post-fracture Treatment Within 1 Year Following a Hip Fracture*



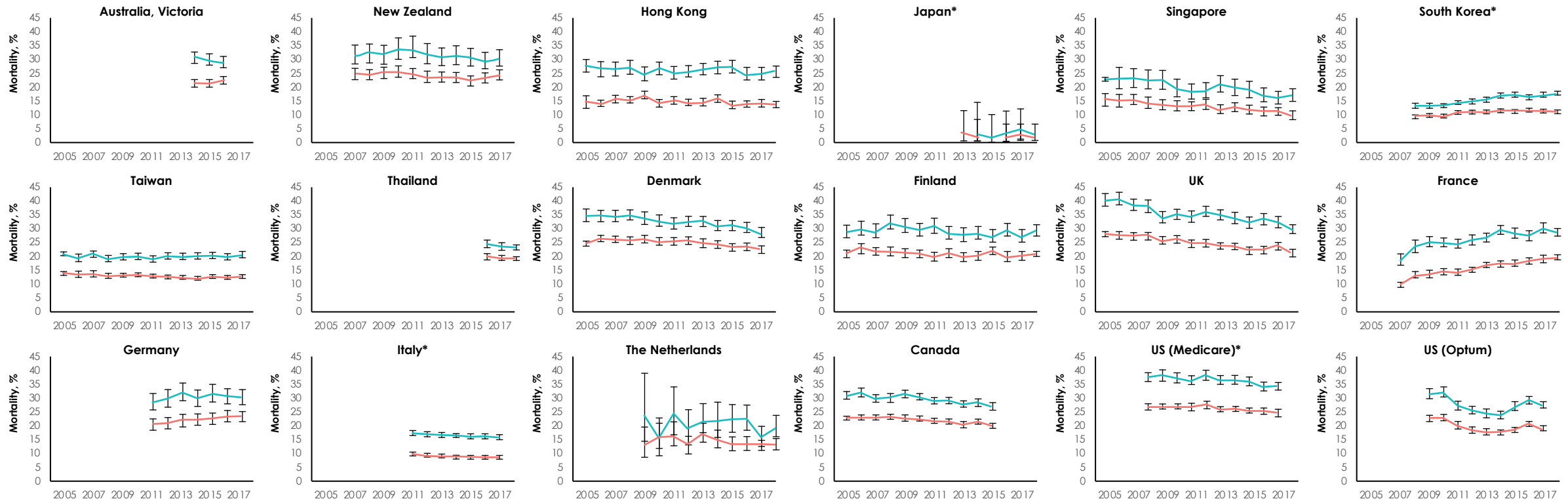
- **Less than 40%** of patients in all sites (except UK, New Zealand up to 2011, and Australia in later years) received an **AOM within 1 year** after hip fracture

Site

UK	Australia/Victoria	South Korea
Japan	Canada	Denmark
US (Optum)	US (Medicare)	Finland
Taiwan	New Zealand	Hong Kong
The Netherlands	Germany	France

Information on use of AOMs was only available in 15 databases.
AOM, anti-osteoporosis medication.
Reference: Sing CW, et al. *J Bone Miner Res.* 2023;38:1064-1075.

All-cause Mortality Rate Within 1-year Post-Hip Fracture



- The **median 1-year mortality rate** across the included countries was **22.4%**
- **Mortality rates** were **higher in males** (19.2 – 35.8%) than females (12.1 – 25.4%) throughout the study period

*The population in Japan included people aged <75 years only. The Medicare database in the US included people aged >65 years only. †South Korea and Italy reported in-hospital all-cause mortality.

Reference: Sing CW, et al. *J Bone Miner Res.* 2023;38:1064-1075.