



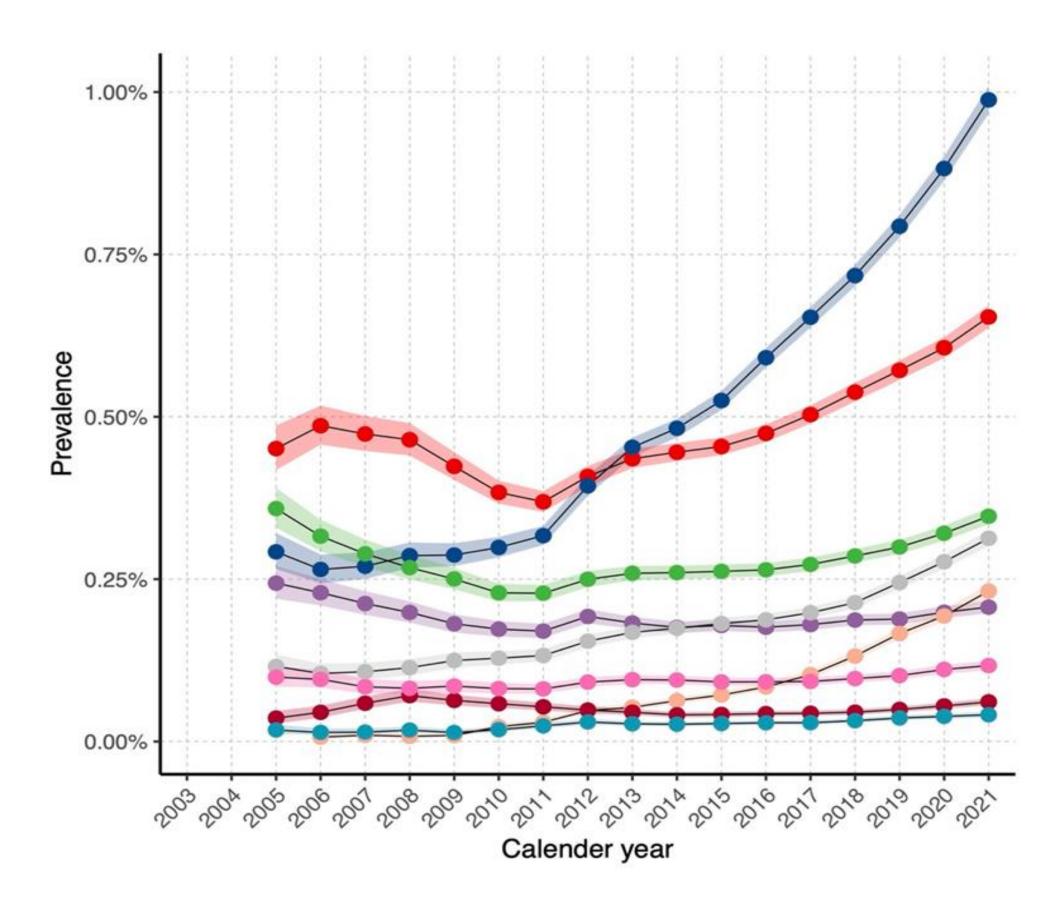
We observed 4,294,640 person counts during the 18-year observation period. The highest incidences were observed in the 60- 69-year-old cohort for pancreas, esophagus, and colorectal cancers and the 50-59-year-old cohort for breast, head and neck, and liver cancers.

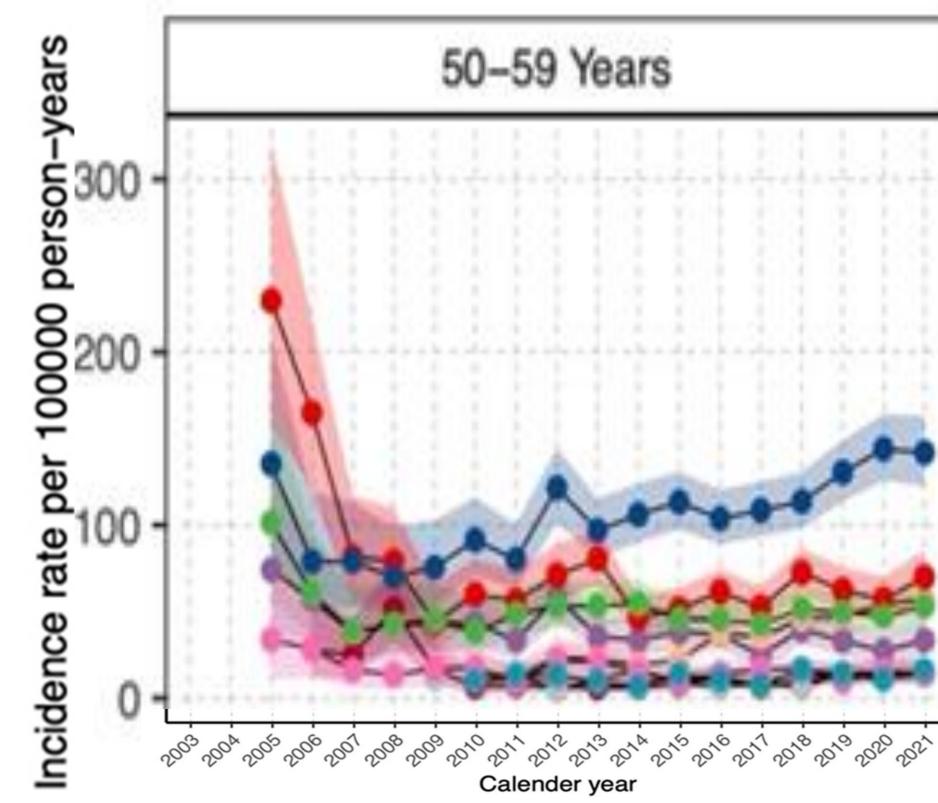
Oncology Incidence and Prevalence Trends 2003-2021 within the TMUCRD using OHDSI-validated OMOP CMD Standards

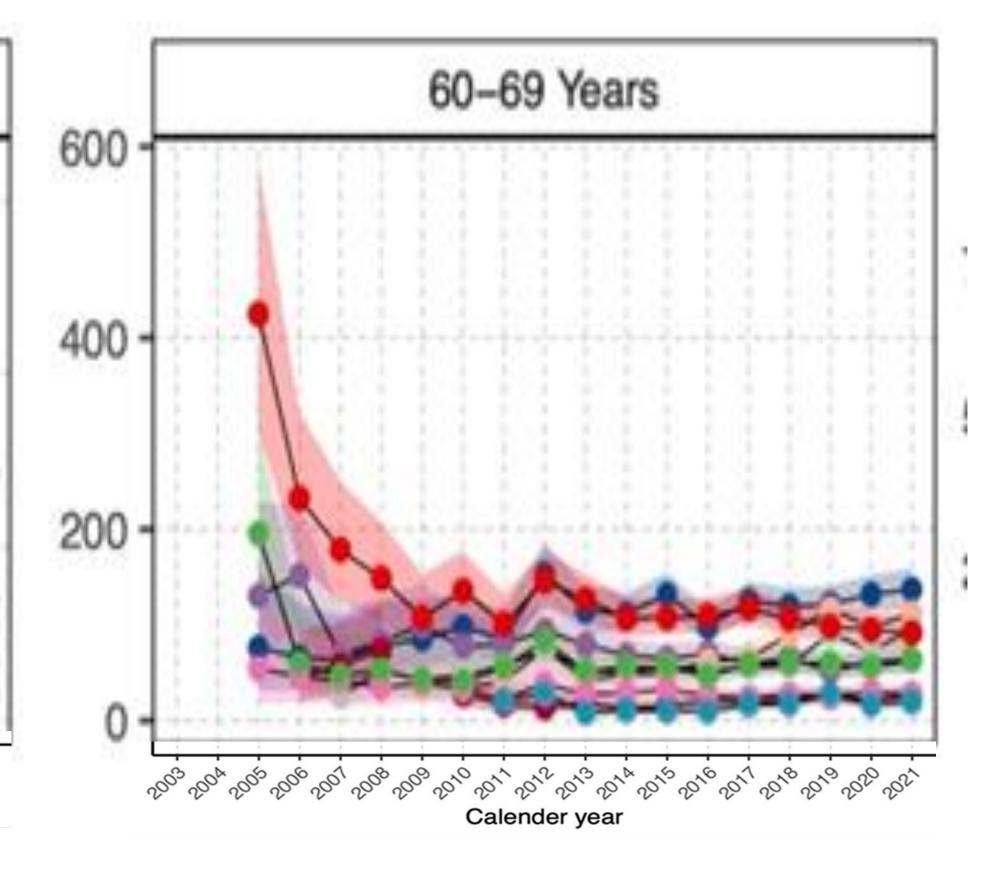
**Purpose:** Leveraging an OHDSI-supported and validated OMOP CDM standard, this study describes secular trends in the incidence and prevalence of specific cancers from a multisite Taiwanese medical system from 2003 to 2021.

Result 1: Increased prevalence of all cancers

Result 2: Stratification of incidence rate across two age cohorts







## Methods

- Cancers: breast, colorectal, esophagus, head and neck, liver, lung, pancreas, prostate, and stomach
- Taipei Medical University Clinical Research Database (TMUCRD) adopted a validated OMOP CDM standard, TMU-CMD (v5.3.1), containing information on over 4.2 million patients
- Criteria:
  - Inclusion: Adult patient records with a specified cancer diagnosis for at least one year
  - Exclusion: Missing information on age and sex **or** records with diagnostic codes for non-malignant cancer, metastasis (sans from prevalence analyses), sarcoma, lymphoma, and other tumors
- Observation period: 1/1/2003 to 31/12/2021, with stratification by each calendar year and 5-year groupings
- Further stratification by age and sex was completed during the prevalence and incidence rates analyses.
- Incidence rates used 95% CI, including rates per 100,00 person-years, events observed, and time of risk.
- Low disease occurrences observed, 5 times or less, were documented as <5 for confidentiality
- Packages: IncidencePrevalence and R package

**Limitation:** Though extensive, using only the TMUCRD limits the generalizability of our findings and limits implications to the TMU medical system (i.e., informed decisions with personnel, equipment, and access flow). #PICKMETOJOIN #COLLABORATIONWELCOME #SCANFORMORE



