Seasonal Trends in Inflammatory Bowel Disease
Mortality and Disruption by the COVID-19 Pandemic
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Introduction

- ➤ We compared IBD-related mortality in the United States (U.S.) from 2006-2021 using a nationwide database:
- by season
- by climate
- by disease

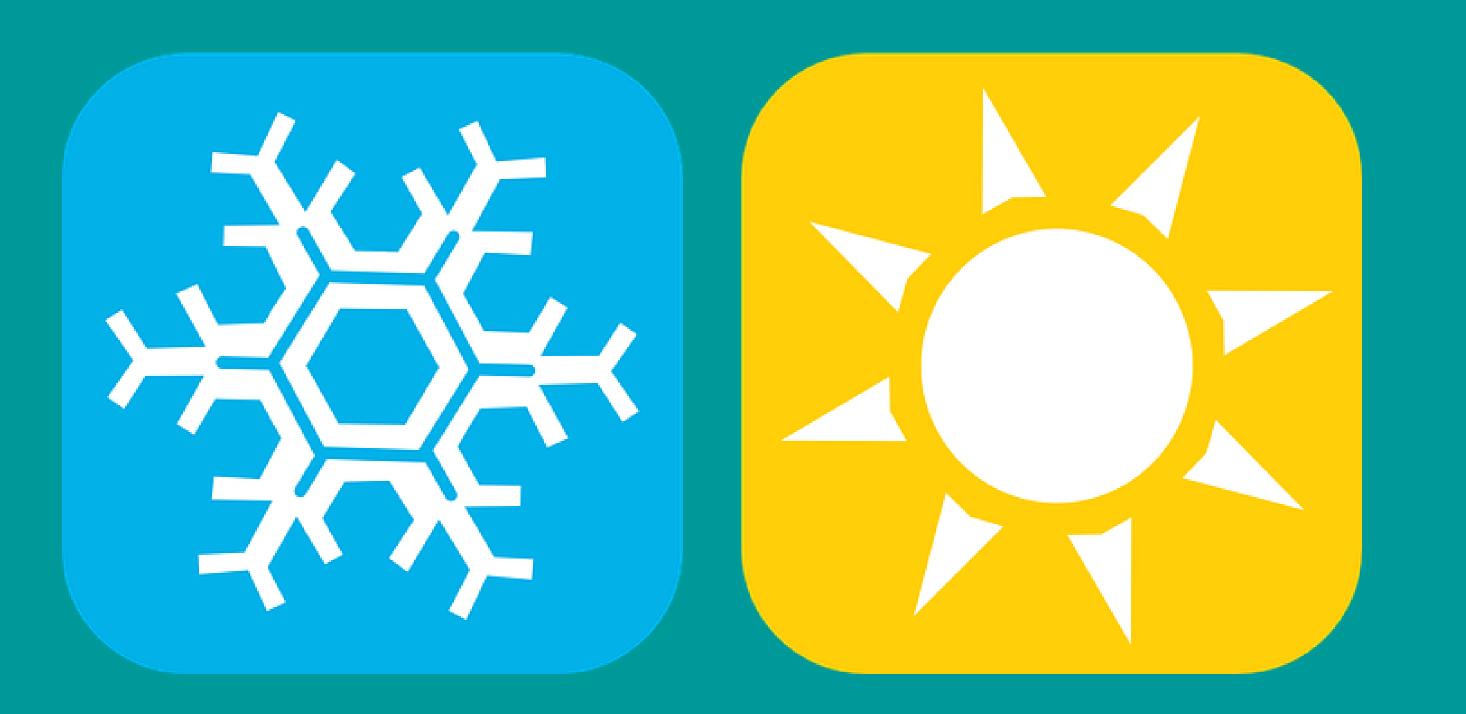
Methods

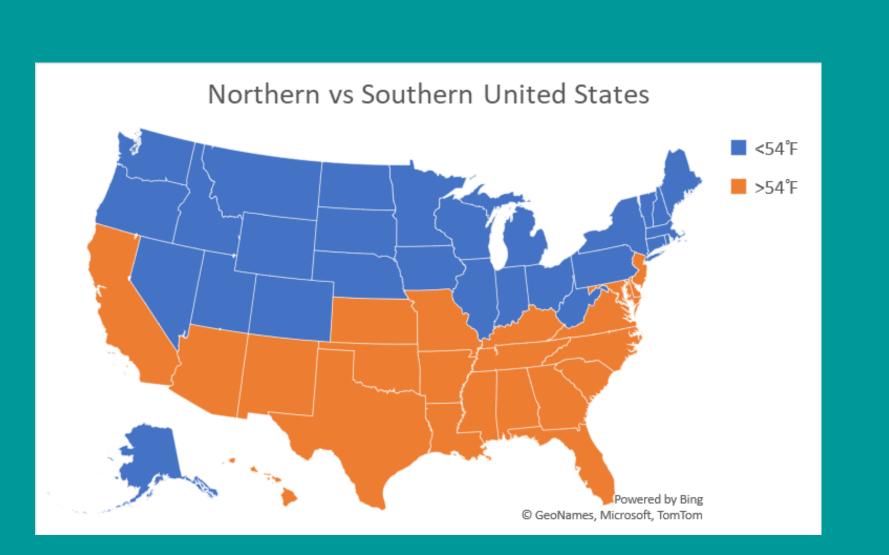
- Serial cross-sectional, population-based study
- ➤ Data on IBD-related deaths was collected using the National Vital Statistics System (NVSS) database from the CDC WONDER website.
- Age-standardized mortality rates (ASMRs) per 100,000 persons were calculated.

Results

- ➤ IBD ASMR in winter was significantly higher than IBD ASMR in summer
- Non-COVID ASMR seemed to flatten out during the pandemic, and the peak in overall ASMR in winter 2020 appeared to be due to COVID ASMR.
- This was also true when CD and UC were examined alone.
- ➤ Overall ASMRs were greater in the North versus the South.
- The difference between summer and winter was more significant in the North than in the South.

IBD mortality rates are higher in winter than summer







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