**Characteristics and Outcomes of >1M Inflammatory Bowel Disease Patients**

*Disease Trajectory of Crohn’s Disease and Ulcerative Colitis Patients from Australia, Korea, Japan, the UK, Germany, France, and the USA*

**Background:** Crohn’s disease (CD) and ulcerative colitis (UC) are chronic inflammatory bowel diseases (IBD) with consistently increasing incidence rates. These conditions significantly impact the quality of life of patients and families.

**Study design:** A multinational cohort study using routinely collected healthcare data from 16 OMOPed databases (DBs):

- IBM® MarketScan® Commercial Claims DB
- IBM® MarketScan® Multi-State Medicaid DB
- IBM® MarketScan® Medicare Supplemental DB
- Optum’s Clininformatics® Data Mart – Date of Death
- IQVIA™ Adjudicated Health Plan Claims
- Optum’s Pan-Therapeutic Electronic Health Records
- Columbia University Irving Medical Center
- Johns Hopkins Medicine
- Ajou University School of Medicine
- Kangdong Sacred Heart Hospital
- IQVIA Australian Longitudinal Patient Data

**Study population:** IBD cohorts include individuals with ≥2 IBD Dx or with IBD Dx + IBD medication Rx; CD and UC cohorts also require at least one diagnosis of the corresponding disease and none of the other.

**Characteristics and outcomes:** Predefined features (demographics, condition groups, drug era groups), +100 IBD-specific features during subjects' entire history, 1Y, 1M before index date; 1M, 1, 3, 5, 10Y and all-time following index date.

**CD diagnosis age decreases over time**

**Higher CD hospitalization rate in Asia**

**Limitations:**
- Potential differences in coding, reporting across DBs
- Vocabulary updates render concept sets outdated
- HUGE amounts of data (>2G), challenging to view, handle
- Only binary attributes; no cross-strata info

**Analysis package**

**Extended Table 1**

**Full results**

<table>
<thead>
<tr>
<th>KI Research Institute</th>
<th>Chen Yanover, Tal El-Hay, Maytal Bivas-Berita, Pinchas Akiva</th>
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</thead>
<tbody>
<tr>
<td>Janssen R&amp;D, LLC</td>
<td>Erica A Voss, Joel Swerdle, Anna Sheahan, Nathan Hall</td>
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<td>Columbia University</td>
<td>Jimyung Park, Thomas Falconer</td>
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<td>Seung In Seo, Kyung-Joo Lee</td>
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