

CohortContrast: Identify relevant events characterizing your cohort

Target cohort

Control cohort

Output

Concept	△	◇	⬠
Prevalence	63%	75%	50%
Risk Ratio	5	3	2
Male	60%	67%	50%
Age	45	40	35

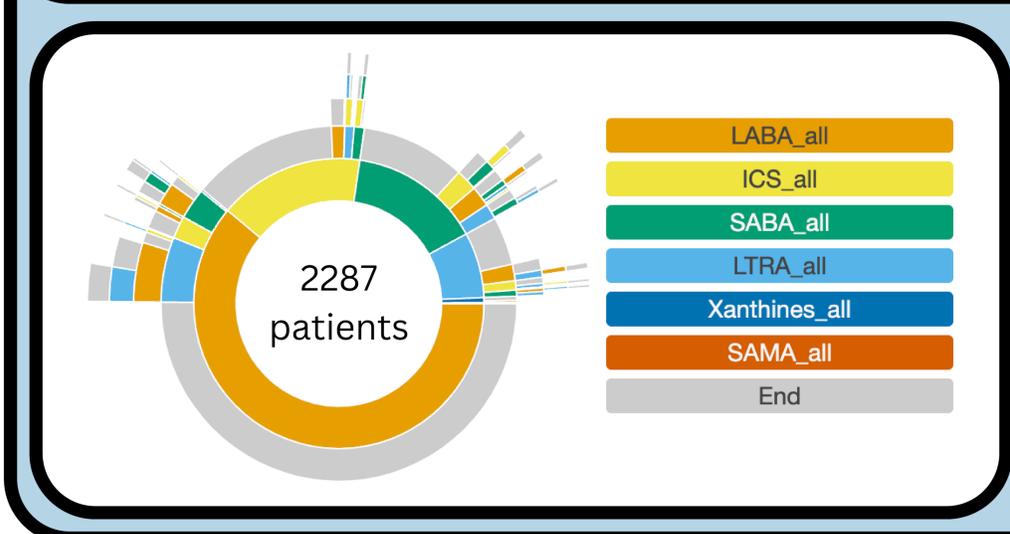
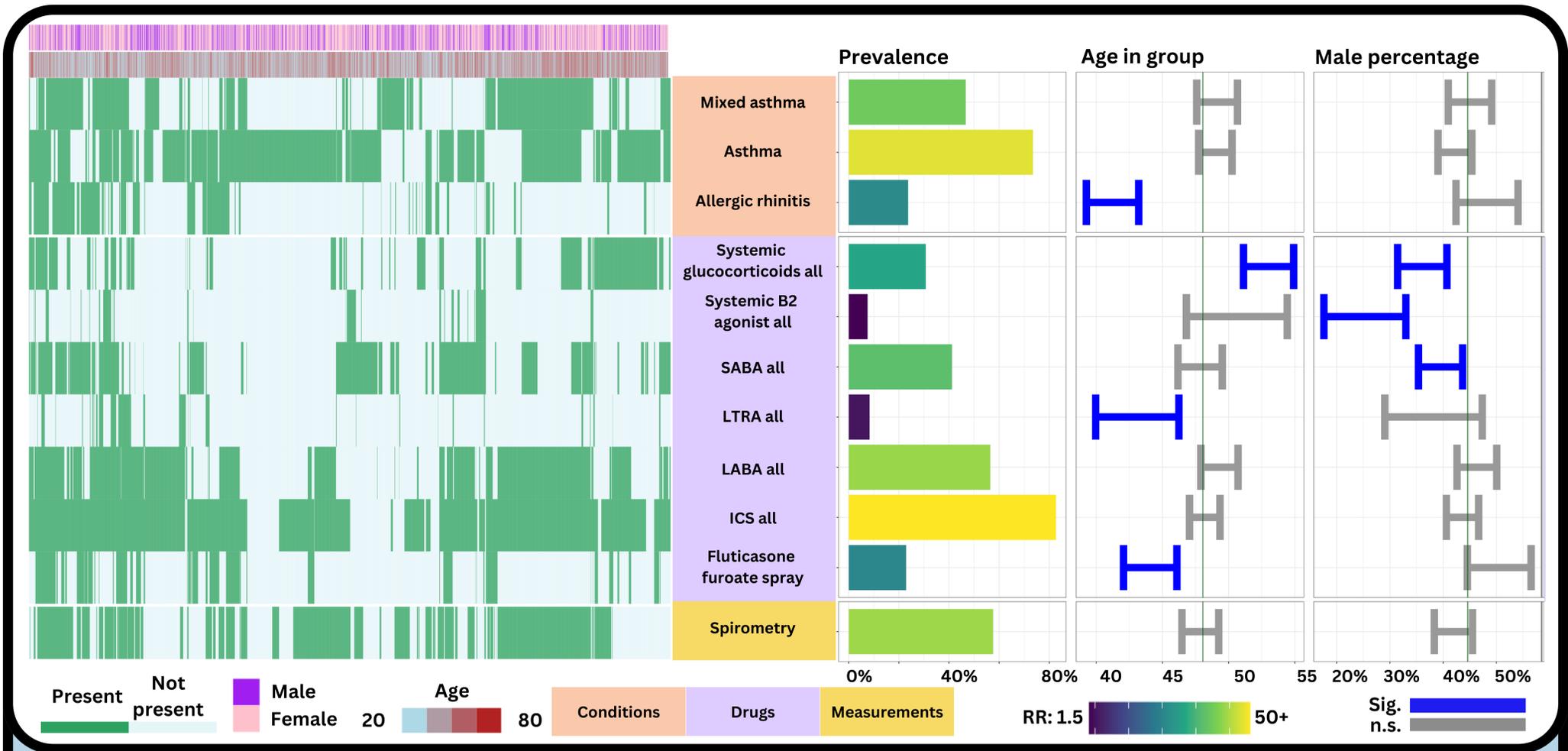
Usage

- Use statistical tests to identify enriched events in the target cohort compared to the control cohort.
- Filter events based on risk ratio and prevalence.
- Calculate the average age and gender balance for each event within the cohort.

Case study: Extract Drug Trajectory for Asthma Patients after diagnosis

Adult First Diagnosis of Asthma *versus* General Population

*(Markus et al, 2024)



Conclusion:

- Without supervision, we retrieved 95% of significant asthma drugs from the OMOP CDM
- Can be used on any cohort
- Enables automatic analysis of:
 - Post- and pre-diagnosis patient outcomes;
 - Comparison of treatment regimens;
 - Trends in treatment policies;
 - Differences in patient clusters;
 - Treatment side effects.

Markus Haug & Raivo Kolde, PhD



ASK FOR A DEMO & JOIN OUR STUDIES!

