National-Level Estimates from RWE:
Producing Fast Projected Outcomes of Drug Exposure Based on Pharmacy and Medical Claims using OMOP CDM

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INTRO:

- This project relates to the reproducibility of National-Level Estimates using RWE (Real Word Evidence).
- Our goal is to use datasets converted to OMOP CDM and being able to project to the national population in a fast, coherent and reliable way.

METHODS

1. Map the source codes to OMOP CDM standard codes (Drug exposure, procedure occurrence or device exposure)
2. Obtain the number of patients that have been administered an influenza vaccine during the 2017-2018 flu season, by month
3. Apply projections at the claim level matching the month, physician ID and claim ID.
4. there were checked raw and projected patients by age group against the Advanced Analytics results. These estimates are based on the same data (Dx claims) and method (panel physician projections at claim level).

RESULTS

Methodology	Total Patient Count	diff
Source Data	53.8 Million	0
OMOP CDM (claim_id)	48 Million	10%
OMOP CDM (month_id)	52 Million	3%

National-Level Estimates from **RWE** can be obtain from OMOP CDM as well as from source data.

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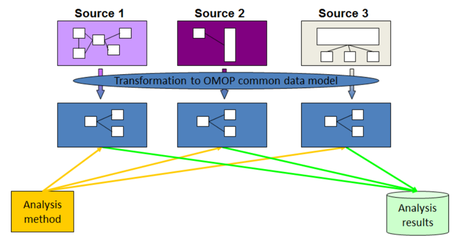

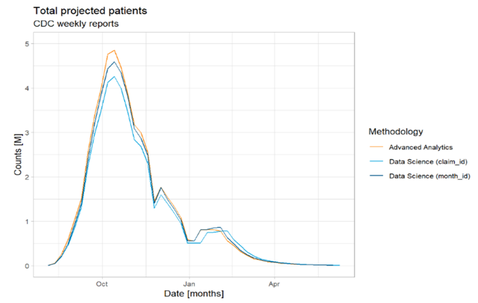

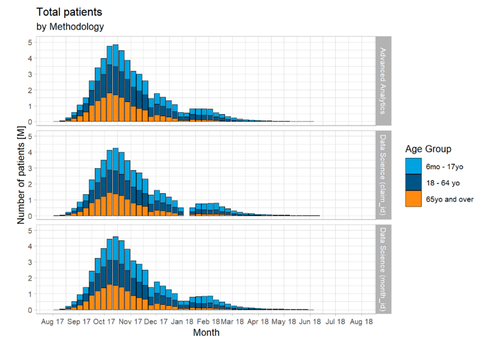

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