

Learning Effective Clinical Treatment Pathways for Type-2 Diabetes

Rohit Vashisht

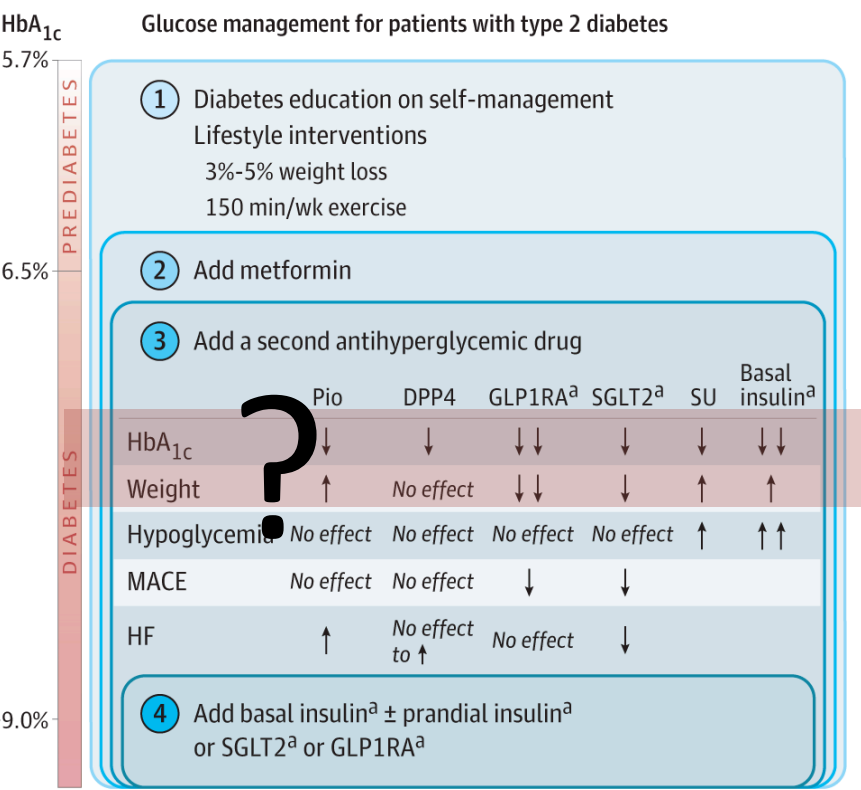
OHDSI Symposium

October 19-20, North Bethesda, MD, USA

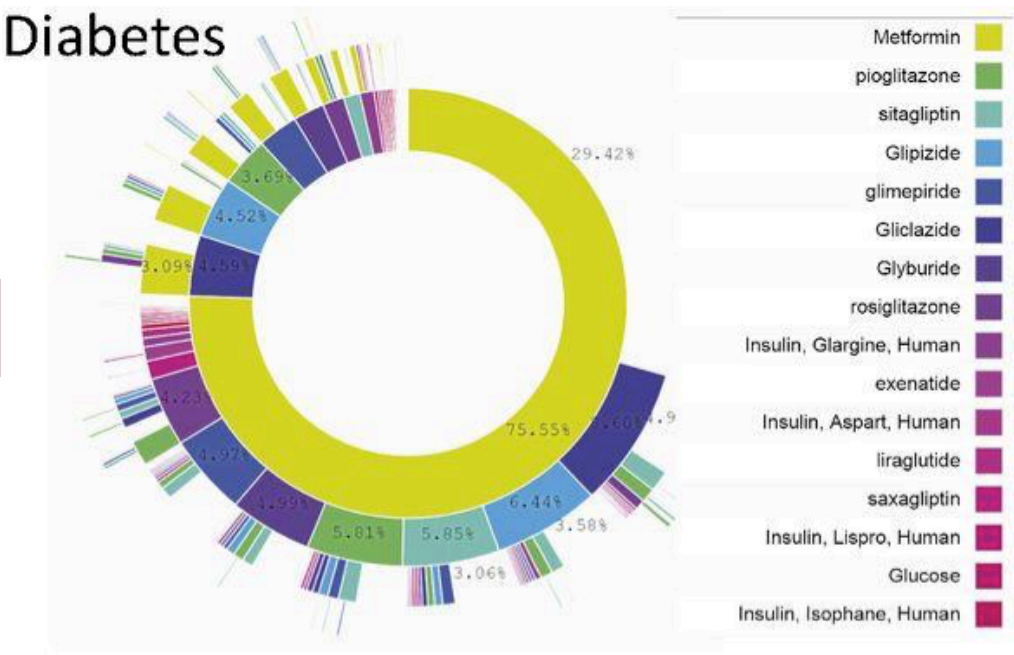


STANFORD
SCHOOL OF MEDICINE

Guidelines versus Practice of Medicine in T2D

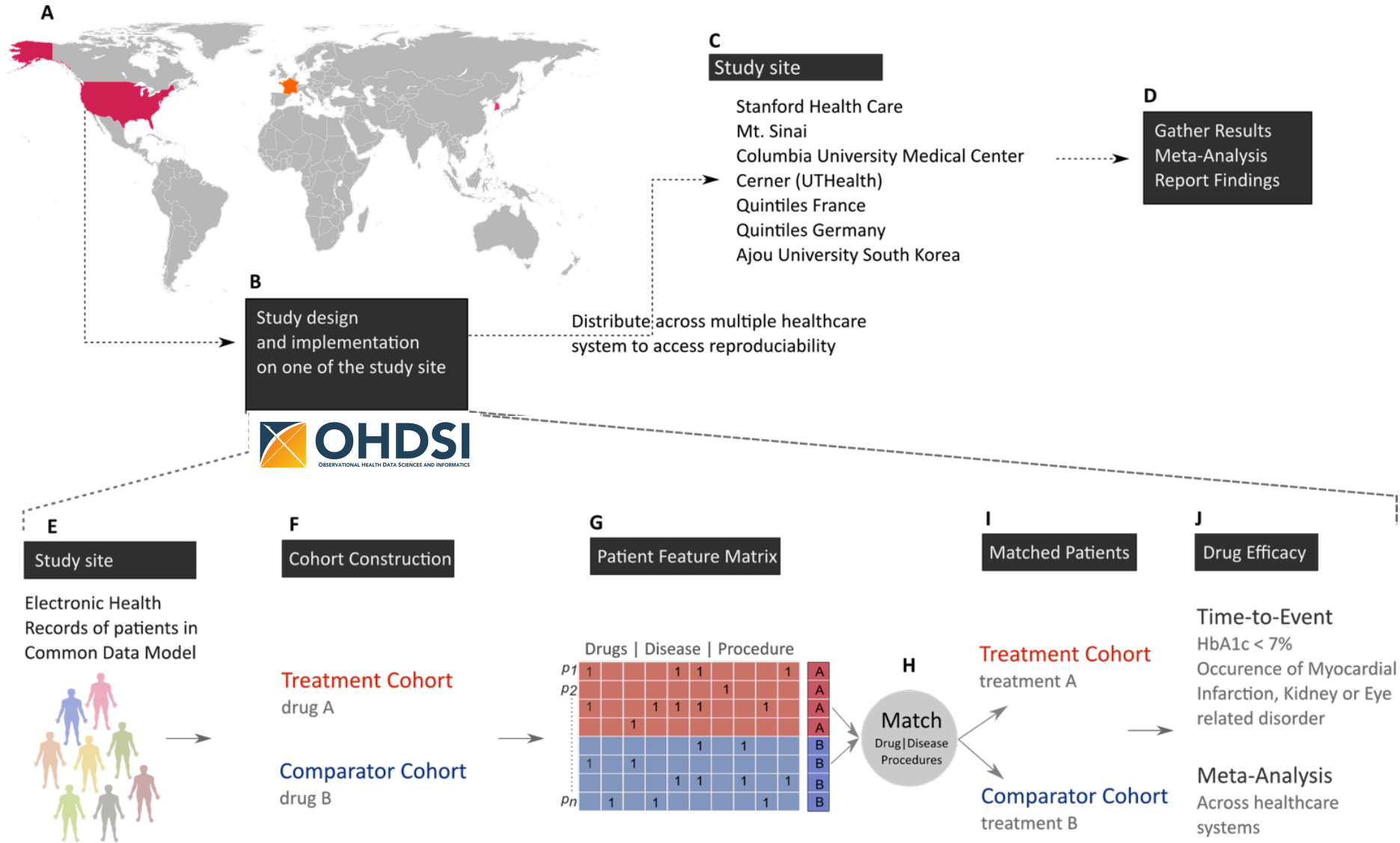


Jane E. B Reush & Joann Manson **JAMA** 2017



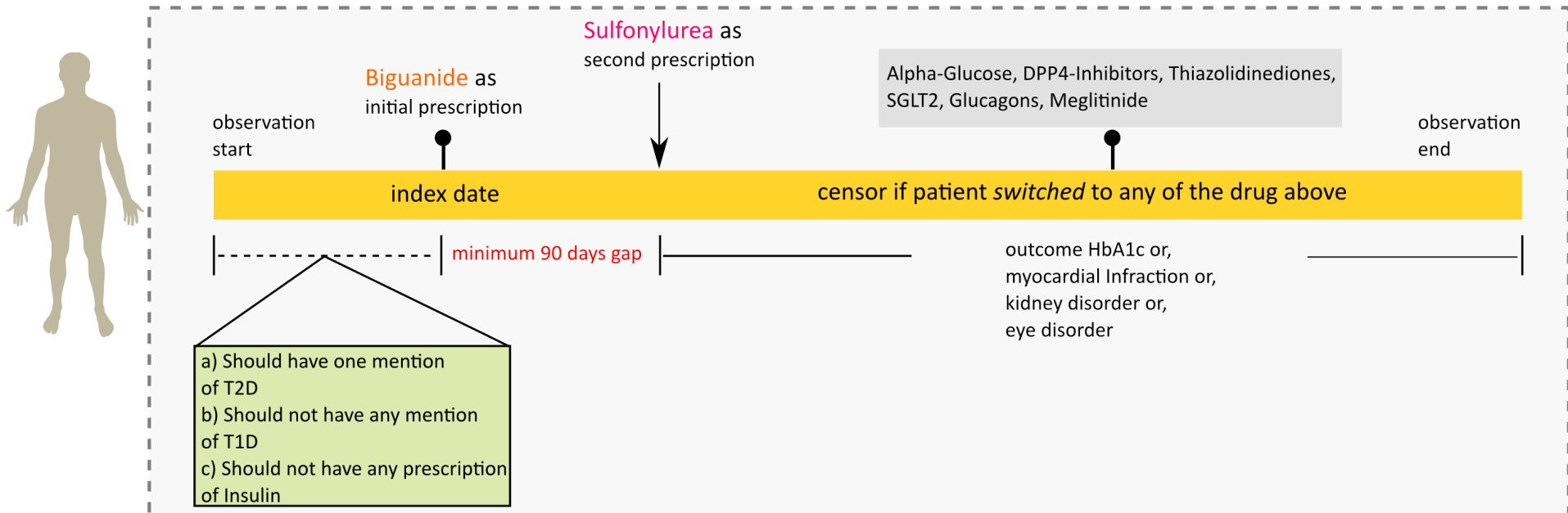
Hripcsak et al **PNAS** 2016

Learning Effective Treatment Pathways from Observational Data: *Analysis of over 103 million patients in 4 Countries*

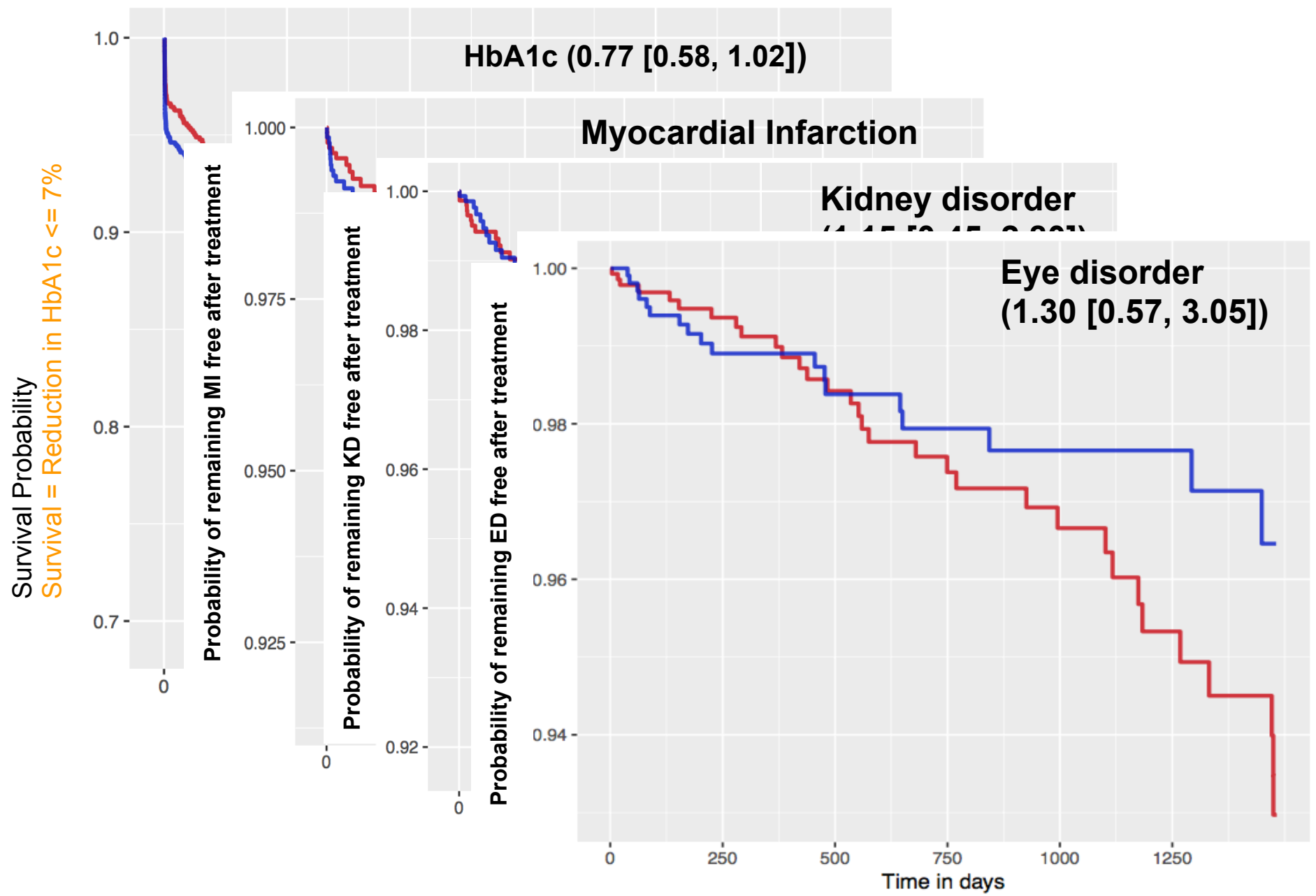


Cohort Construction

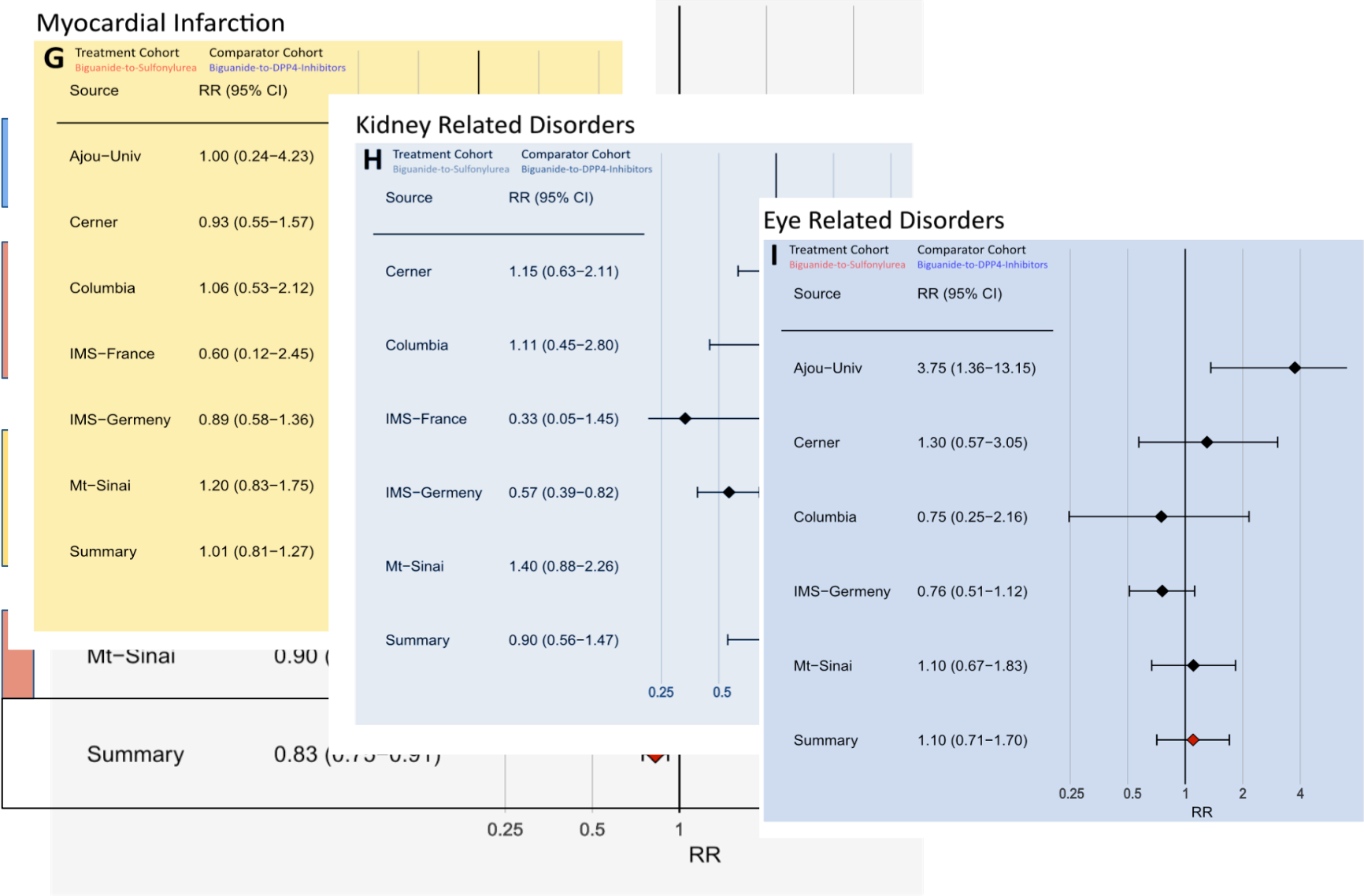
Cohort Construction based on a Single Patients Medical Record



Drug Efficacy – Sulfonylurea vs DPP4 Inhibitors



Replication at Other Sites & Meta-Analysis



Conclusion

- DPP4-Inhibitors appear to be more effective in reducing HbA1c of T2D patients
 - There is no detectable difference in events related to myocardial infarction, kidney- and eye-related disorders.
- OHDSI platform enables us to perform large-scale observational studies and assess their reproducibility.
 - If you have your data in OHDSI format then please participate in this study.

Thank You

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