Delivering on-demand evidence via an informatics consultation service

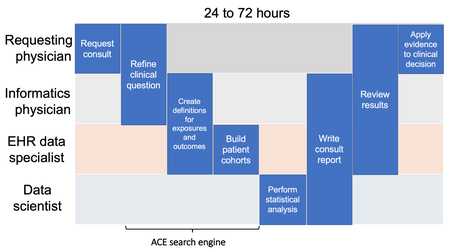
PRESENTER: **Alison Callahan**

INTRO

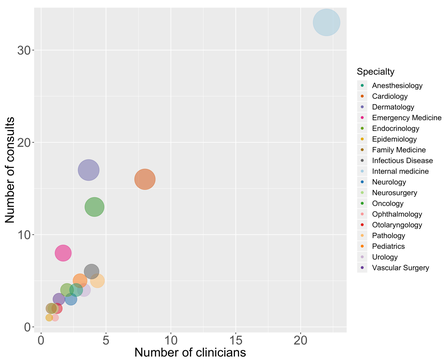
- RCTs are considered the best source of evidence to inform clinical decision making, but the evidence they produce is applicable to only a narrow band of the patient population.
- Observational data derived from electronic health records and insurance claims combined with the OHDSI CDM and data science methods enable clinical decision support for complex and diverse patients via an informatics consultation service at our academic medical center.

METHODS

We designed, deployed and evaluated an informatics consultation service offered to clinicians at Stanford Health Care.



RESULTS



An **informatics consultation service** enables the use of **evidence from observational data** for **decision making at the bedside.**

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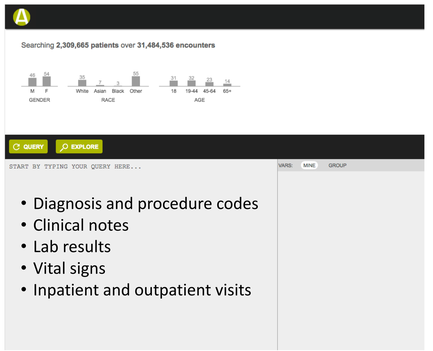
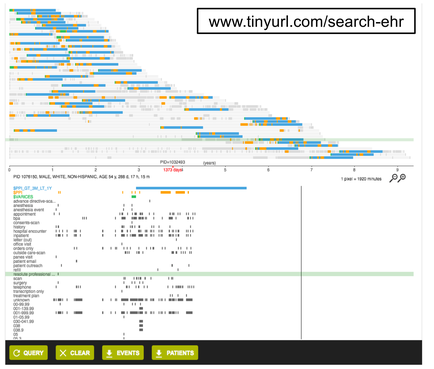
THE ACE SEARCH ENGINE





WHAT WE USE TO NOT BE WRONG

- CohortMethod's data diagnostics
- Negative controls for empirical calibration
- E-values to quantify the degree of confounding that can produce the observed effect
- Multiple datasets
- An in-person debrief

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