

Cedars-Sinai Cancer | Cancer Clinical Trials Office

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Background

Equitable participation in clinical trials is key to ethical and broad-reaching research. Lack of representation runs a risk of biased or incomplete results, limiting generalizability of findings. Barriers in identifying inclusion gaps are due to limited:

- Demographic data in the electronic medical record (EMR)
- Institutional resources to support standardization and inclusiveness
- Infrastructure flexibility in the clinical trials management system, OnCore, to incorporate data from the EMR

Our project utilizes a data visualization software, Tableau, to merge Epic, our EMR, with OnCore data. The purpose of this tool is to help researchers:

- Identify a subject population reflective of the larger population impacted by the condition under study
- Foster more generalizable outcomes
- Reduce research burden

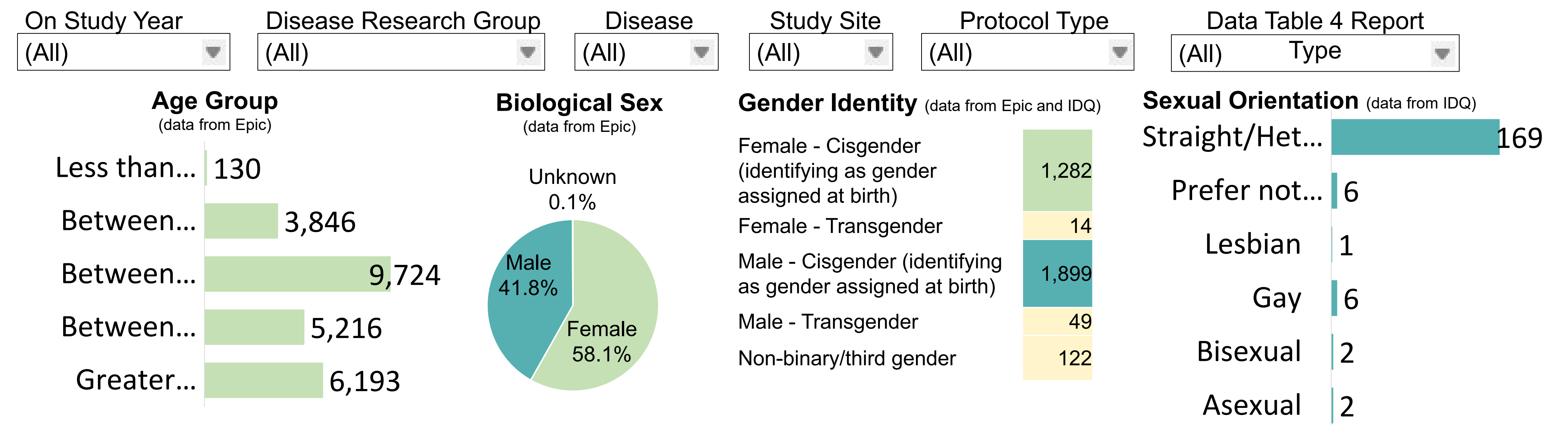
Goals

- Support Cedars-Sinai's mission of valuing diversity, equity and inclusion through equitable selection of subjects
- Evaluate inclusion efforts over time
- Identify population-based disparities
- Visualize enhanced demographics data extracted from Epic and OnCore

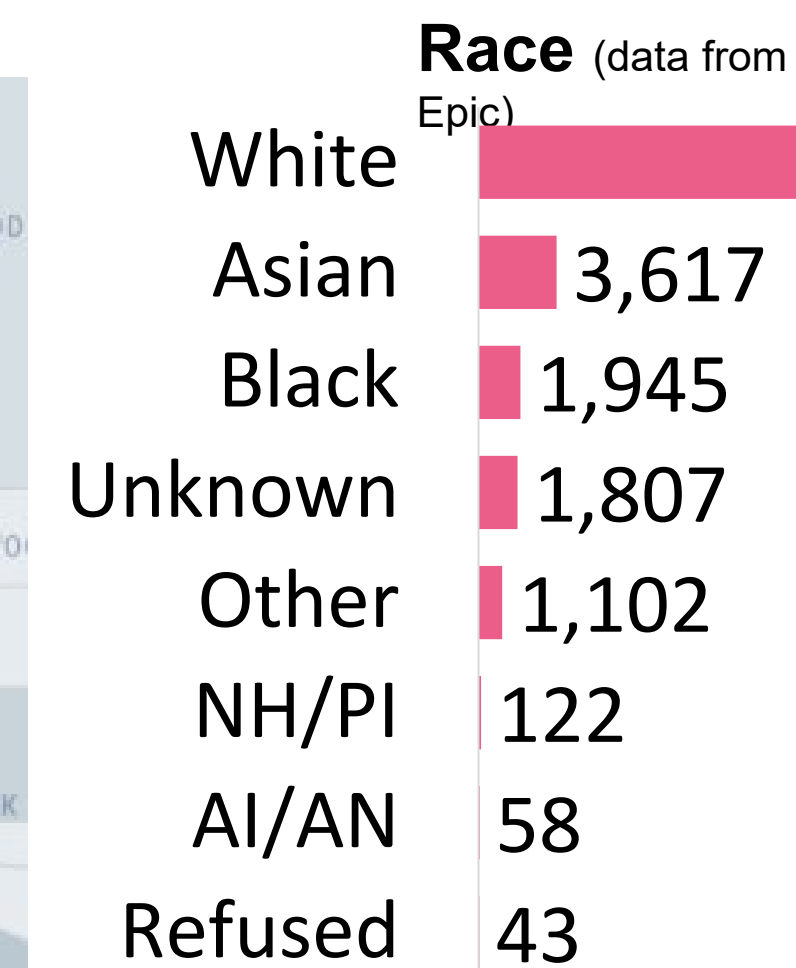
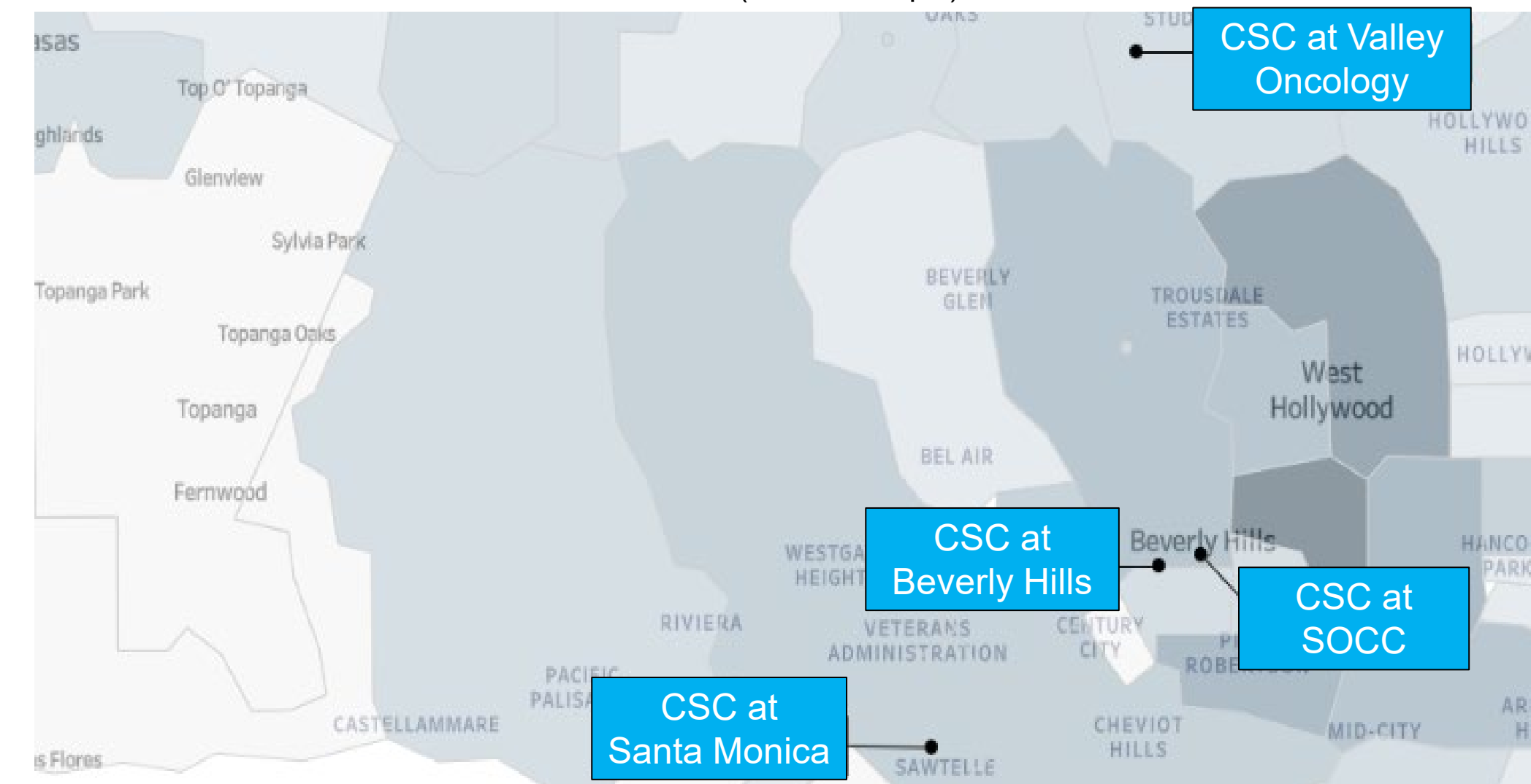
Solutions and Methods Implemented

- Inclusive demographics questionnaire (IDQ) developed with support materials
- Stakeholders: Institutional Review Board, Health Equity Office, research community
- Benchmarked demographics and categories from city to national sources, LGBTQIA+ organization guidance, and institutional demographics
- Tableau dashboard developed to visualize expanded demographics collected from trials

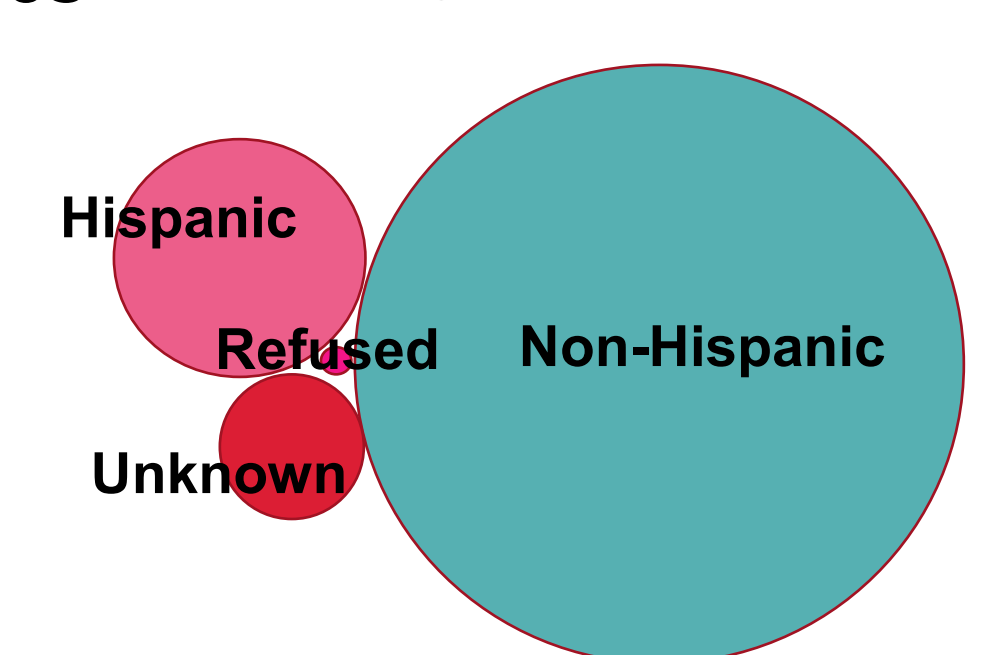
Figure 1. Snapshot of Key Cedars-Sinai Cancer Accrual Demographics Dashboard



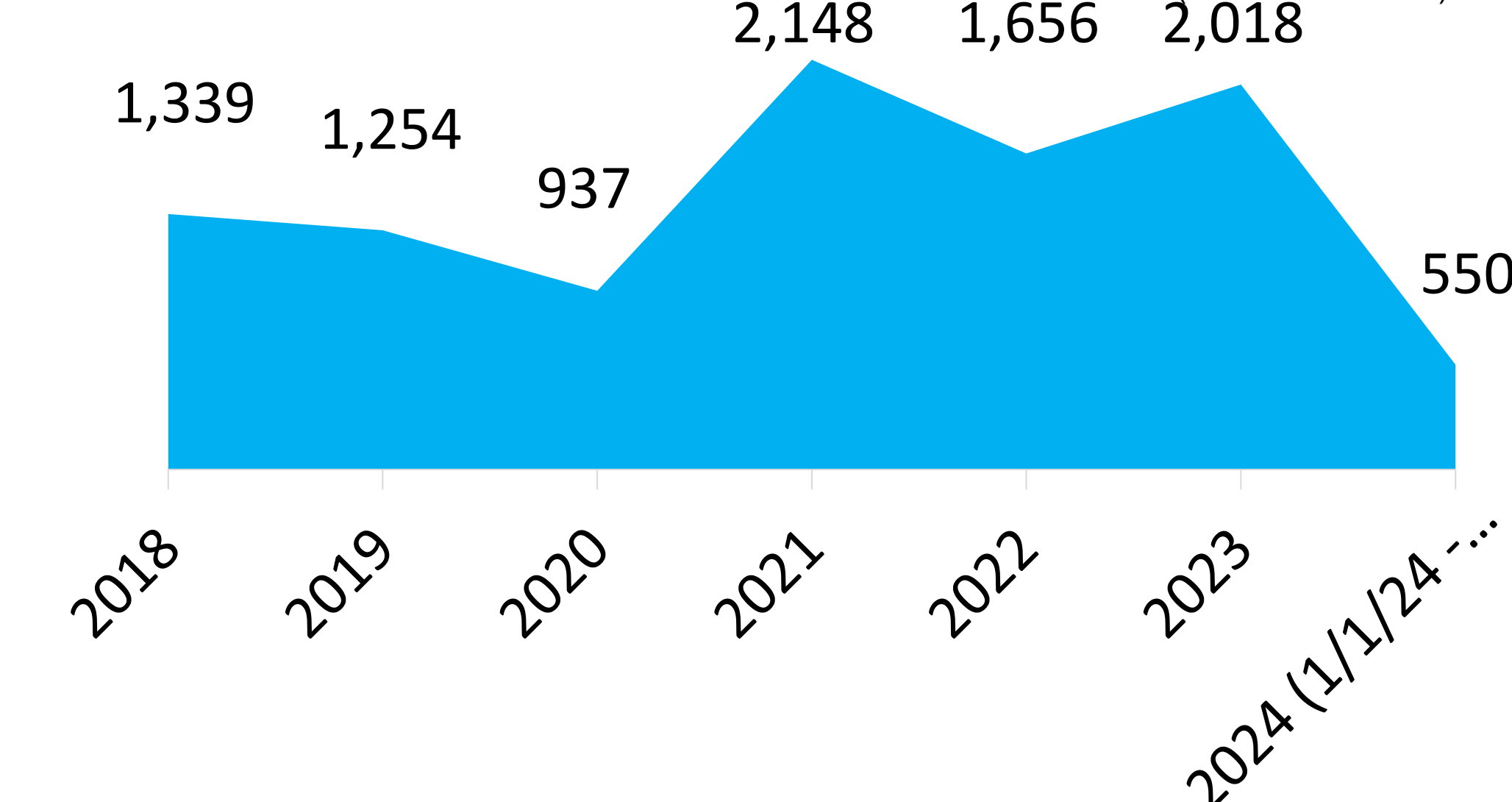
Cedars-Sinai Catchment Area (data from Epic)



Ethnicity (data from Epic)



Enrollment for All Cedars-Sinai Cancer Trials (data from OnCore)



Outcomes and Data / Representing Change

- IDQ available in seven languages and implemented in February 2022
- IDQ data captured in OnCore from over 170 participants
- Enhanced, real-time demographics with OnCore and Epic data for >14,000 subjects

Lessons Learned / Pointing Toward the Future

- Monitor success of IDQ and shifting demographics
- Develop pediatric demographic data collection guidance
- Distribute Tableau dashboard to all researchers
- Support requirements under AB 1204, legislation requiring all California Health Systems to submit Annual Health Equity Report starting in 2025