ASTRO ANNUAL MEETING
9/26-9/30 BOSTON
Data to Dialogue: Communicating Radiotherapy's Value to Advance Care

Charting the Cosmos™: An Exploration of Radiation Oncology Encounters in the Epic™ Data Repository

N. KAPADIA[1,2], J. YU[1,2]

1 Dartmouth Cancer Center, Dept of Radiation Oncology and Applied Sciences, Lebanon, NH

2 The Dartmouth Institute for Health Policy and Clinical Practice, Lebanon, NH

Dartmouth Cancer Center

The Dartmouth Institute for Health Policy & Clinical Practice

INTRODUCTION

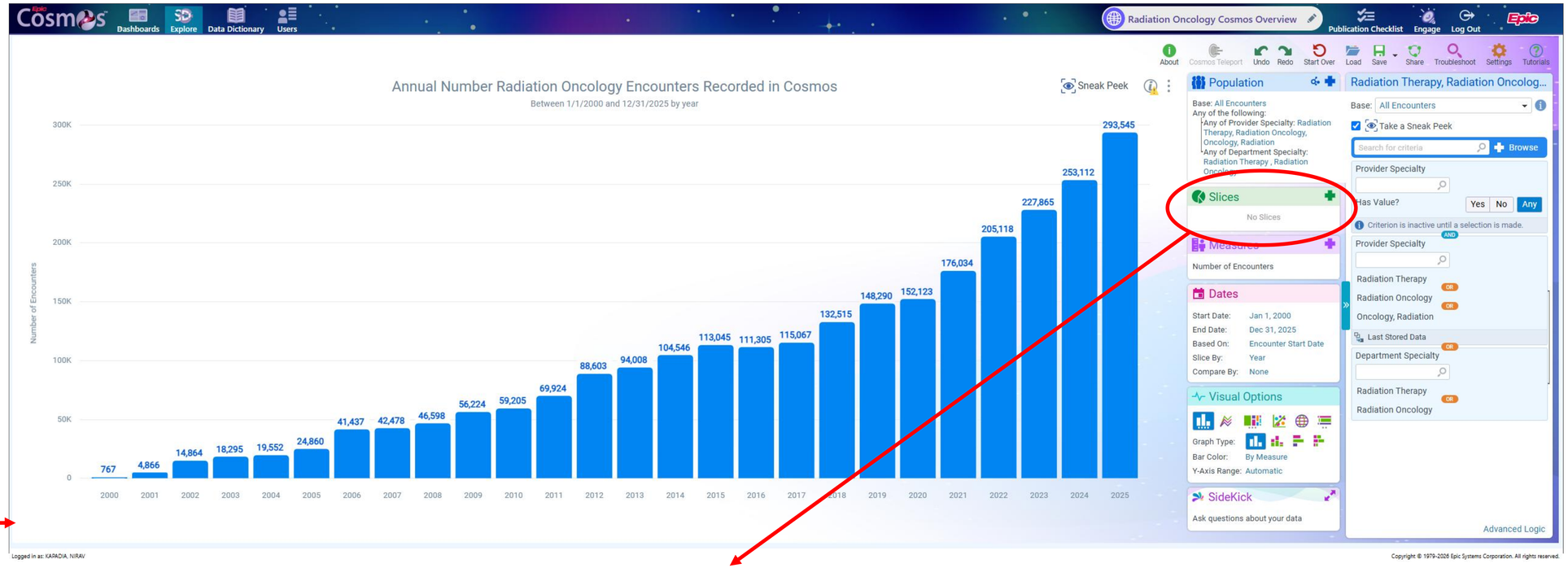
Cosmos™ aggregates encounter-level patient data across diverse health-care systems. These data have not been examined in radiation-oncology cohorts.

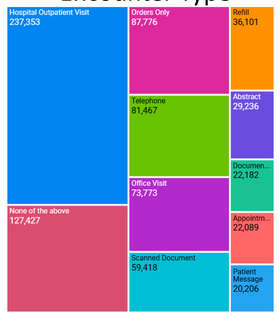
AIM

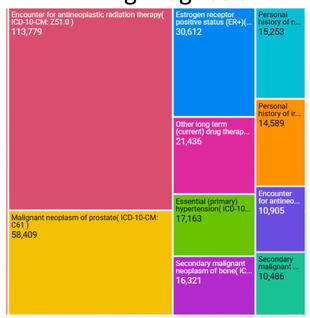
Cosmos™ was queried to describe utilization, payer mix, and sociodemographic characteristics of radiation oncology patients.

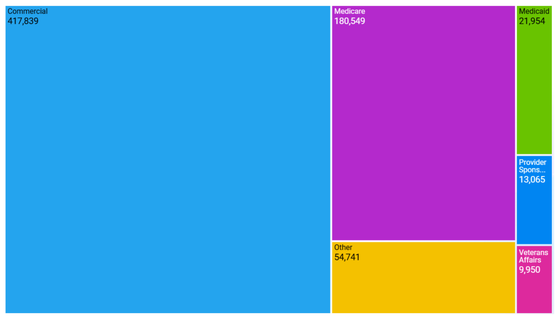
METHODS

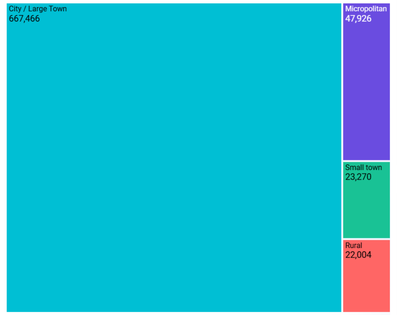
- Retrospective descriptive query, run date of 17 Feb 2026
- Upper Panel: Longitudinal query to quantify annual number of encounters between 1 Jan 2010 to 31 Dec 2025.
- Lower Panel: The "slicer" tool was used to explore a recent cohort between 1 Jan 2023 and 27 Jan 2026: encounter type, primary billing diagnosis, payer type, age/sex/race, RUCA classification, and provider state.
- Encounters were identified by department or provider specialty of "radiation therapy" or "radiation oncology" or "oncology, radiation"











ACKNOWLEDGEMENT

Data used in this study came from Epic Cosmos™, a dataset created in collaboration with a community of health systems using Epic™ representing more than 300 million patient records from over 1,903 hospitals and 42,000 clinics as of 2/21/26

CONTACT

Nirav.S.Kapadia@hitchcock.org

+1-410-900-2668