



Leveraging Oncology Data Analytics at Cedars-Sinai Medical Center

nThrive Speakers Bureau // Sample Presentation





Agenda

Objective 1

- Discuss how Cedars-Sinai Medical Center applies data analytics driven by Cancer Registry research and analysis to improve quality of care.

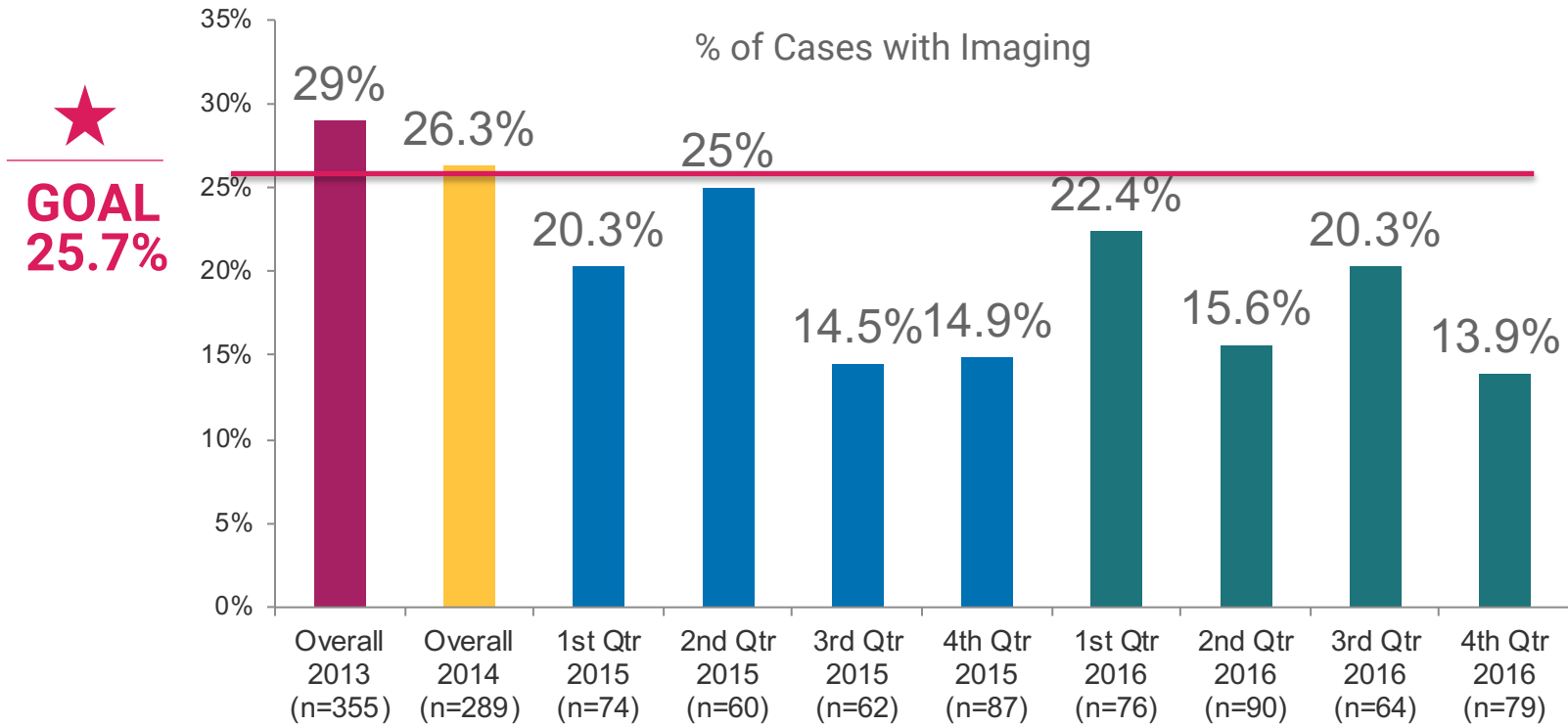
Objective 2

- Review how data and analytics are used to uncover insights into the clinical practice.

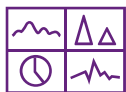
Objective 3

- Explore challenges and opportunities that data and analytics can unveil.

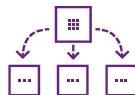
Reduce Overuse of Imaging for Breast Cancer patients at Low Risk for Metastasis



What Registry data is used and how is it provided



Ad hoc reporting



Data mining

- Abstract Text
- Facility EMR



User Defined Fields

- Approved by Cancer Committee
 - Added to abstract form
 - Personalized Data Element with Defined Criteria
 - Site specific abstracting rules put in place for UDF's
 - Yearly re-evaluation for utilization

Surgical margin positivity rate



Quality Measure

Surgical margin positivity rate



Measure Description

Percentage of radical prostatectomy patients with positive surgical margins



Benchmarks

Average performance: 34%
Best Observed: 10%

- **Rationale:** Adopt a quality metric consistent with national guidelines and comparable with national benchmarks; endorsed by the Oncology Roundtable of the Advisory Board Company
- **Based on the following literature:** Eastham JA, et al. "Variations among individual surgeons in the rate of positive surgeon margins in radical prostatectomy specimens." *Journal of Urology*, 2003, 170 (6 Pt. 1): 2292-5. Cooperburg MR, et al. "The contemporary management of prostate cancer in the United States: Lessons from the Cancer of the Prostate Strategic Urologic Research Endeavor (CaPsure), a national disease registry." *The Journal of Urology*, 2004, 171: 1393-1401.

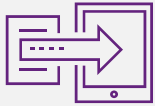
Checks and Balances - QA of registry data



Data Quality

- Always verified through quality assurance practices by nThrive Cancer Registry management before being disseminated.
- Abstractors accuracy rate is evaluated through out the year to ensure quality data is available to the cancer program.
 - 97% accuracy rate required of CTR's on all fields evaluated by the state of California Central Registry.
 - 95% accuracy rate required yearly by nThrive on expanded abstract QA of each CTR.

Impact of Collaborations



Cancer registry data

has been instrumental in identifying areas to improve in quality of care from diagnosis to treatment

- Clinical processes
- Patient outcomes
- Research
- Cost-effectiveness



Information Sharing

- Updates from Registry leadership on accreditation changes
- Collaboration for determining scope and direction for appropriate data management



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