



ONCOCLOUD '19
presented by **flatiron**

Welcome to Austin



Tesh Khullar
SVP & Senior Advisor,
Provider Solutions

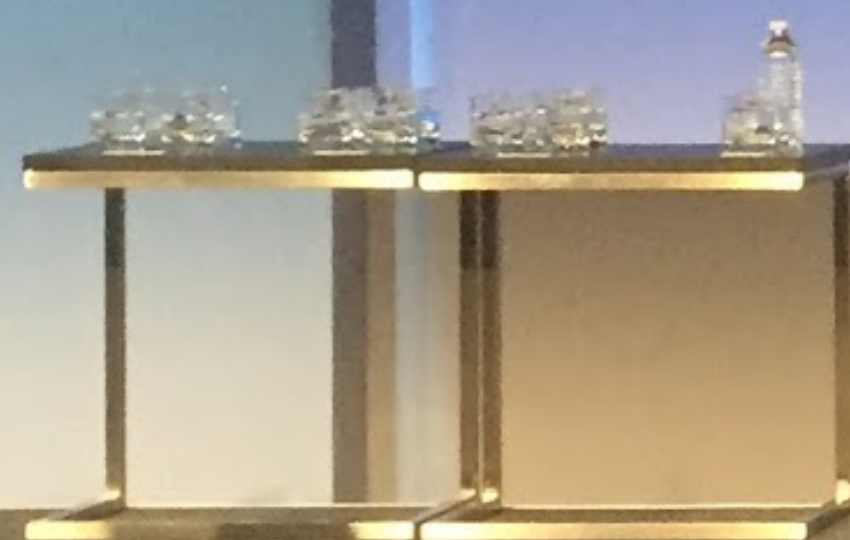
2014



2015

FLATIRON

HEALTH SUMMIT



OncoCloud'16

PRESENTED BY FLATIRON



EN CENTER
IN CARE
LSU Health
SHREVEPORT
ENTER
JAQUES HOSPITAL
GE HEALTH
Stillwater
ical Center

40
new practices

ONCOLOGY	University of Texas at San Antonio	University of Texas at San Antonio	University of Texas at San Antonio	University of Texas at San Antonio
WEST	University of Texas at San Antonio	University of Texas at San Antonio	University of Texas at San Antonio	University of Texas at San Antonio
TYLER	University of Texas at San Antonio	University of Texas at San Antonio	University of Texas at San Antonio	University of Texas at San Antonio
CPHO	University of Texas at San Antonio	University of Texas at San Antonio	University of Texas at San Antonio	University of Texas at San Antonio
THCO PA	University of Texas at San Antonio	University of Texas at San Antonio	University of Texas at San Antonio	University of Texas at San Antonio

ONCOCLOUD '17

Presented by Flatiron



ONCOTRIALS

Mon, 04/24/2017

Today

Select physicians

Select locations

All patients

Recent scan (first review)

Recent scan (in review)

Suggested trials

Recent scan (first review)

Search by name or ID#

Filter by Diagnosis (Lung, Colon)

First s...	Patient	All diagnoses	All visit types	Physician	Location	Next review date
7:35 am	Jacklyn Yost	Lung	Other	7:35 am	Barringer, Elie	Ballouin Cancer Sp...
8:30 am	William Maggio	Colon	Office Visit	8:30 am	Runde, Hunter	Cancer Center of Jo...
	Demaris Runke	Lung	Radiology	12:00 pm	Sarraf, Stephen	Cancer Center of Jo...
			Lab	12:00 pm	West, Denise	Shreeley, Specialist
9:30 am	Vera VonFueben	Lung	Radiology	9:30 am	Rachert, Isaac	Hennepine County
11:00 am	Kaydawn Mayer	Colon	Lab	11:00 am	Hager, Troy	Cancer Center of Jo...
11:15 am	Kieran Green	Lung	Radiology	11:15 am	Barringer, Elie	South Arden Cancer
12:00 pm	K. Kaylin West	Colon	Office Visit	12:00 pm	Shreeley, Isaac	Shreeley, Specialist
1:45 pm	Gladys Lueheltz	Lung	Treatment	1:45 pm	Rachert, Isaac	Ballouin Cancer Sp...
6:00 pm	Demaris Toy	Lung	Office Visit	6:00 pm	Stamen, Brian	Cancer Center of Jo...



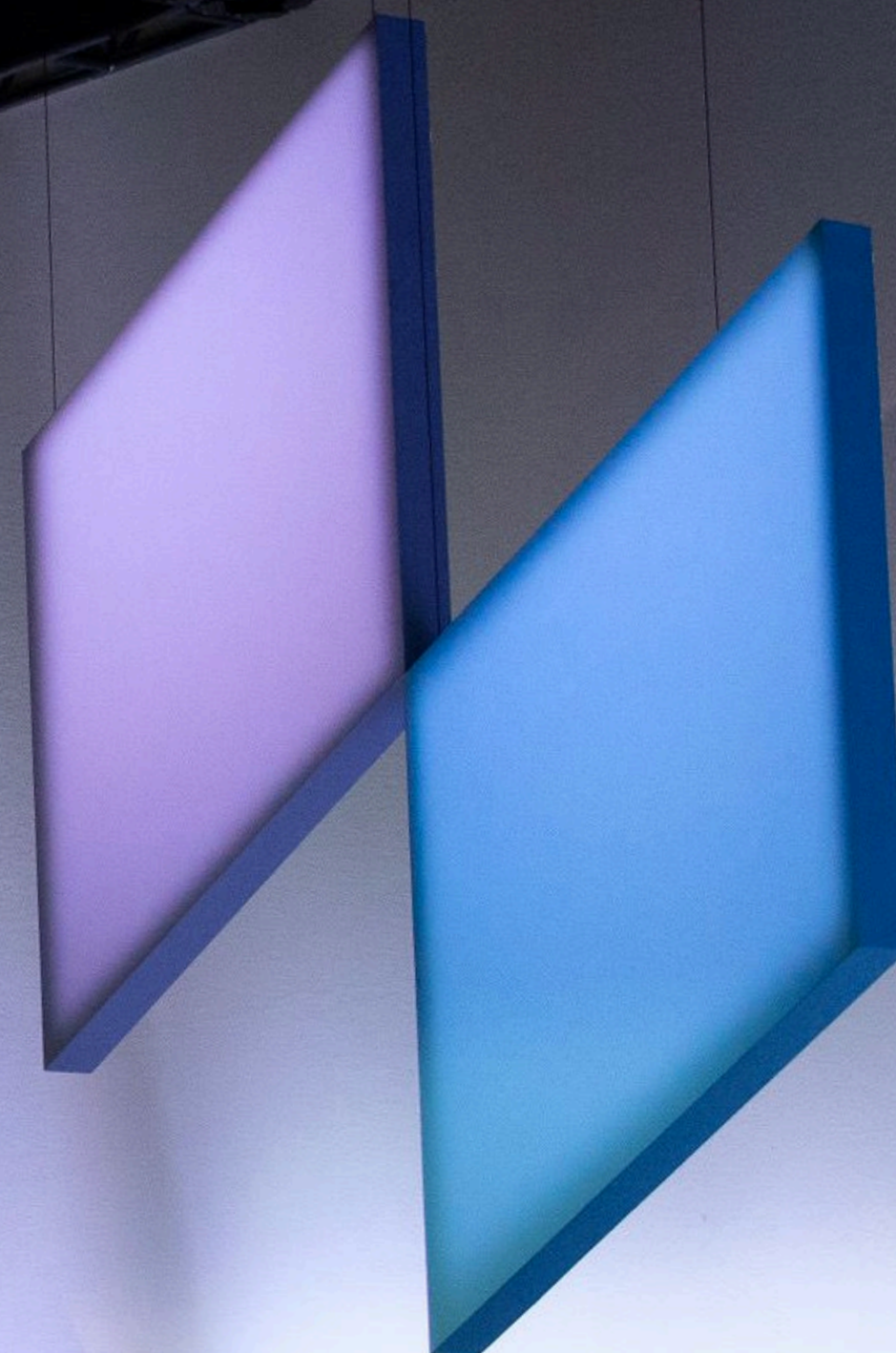
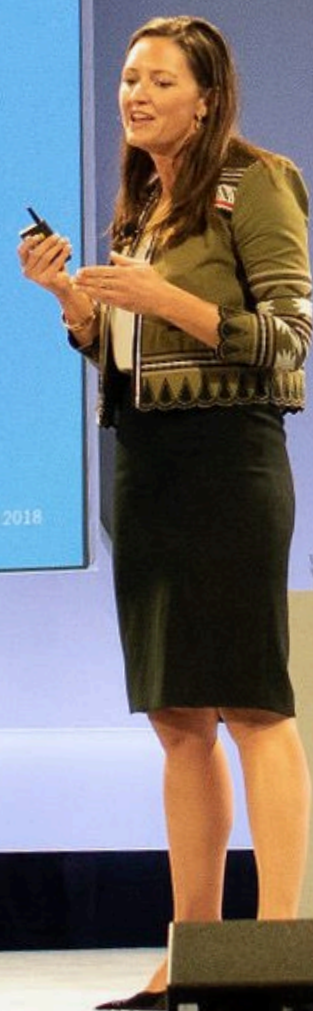
ONCOCLOUD '18

Presented by Flatiron

2500+ clinicians
800+ sites of care
42 U.S. States including Puerto Rico and Virgin Islands

flatiron

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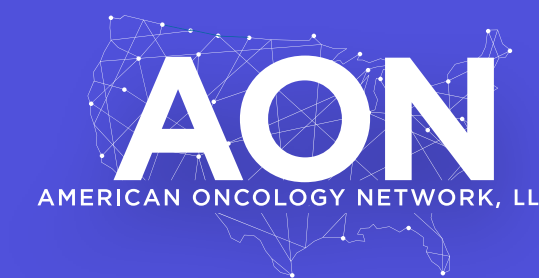




ONCO CLOUD '19
presented by flatiron

500+
practice attendees

THANK YOU TO OUR SPONSORS:





From: Tesh Khullar [mailto:tesh@flatiron.com]

Sent: Thursday, June 06, 2019 12:06 PM

Subject: [External]Flatiron Provider News - Tesh Khullar



Friends—

After what will be an amazing five and a half year journey at Flatiron, I wanted to let you all know that I have decided to move on from Flatiron at the end of 2019. It was a very tough decision for me but ultimately came down to me wanting to prioritize my family more and travel less. What made this decision so difficult was that I love working with you and will always consider community oncology my home. Although I do not know what I plan to do next, I am confident it will be something that will allow me to be home more.





Thank you.



ONCOCLOUD '19

presented by flatiron



Carolyn Starrett
Senior Vice President,
Provider Solutions



presented by flatiron

Tesh

LIFETIME ACCESS

Goals
for this
weekend

Goals for this weekend

Bring practice partners together
to create new connections

Goals for this weekend

Bring practice partners together
to create new connections

Learn how you can get more from
Flatiron's software, services and teams

Conference Agenda

General Sessions

State of the Union

Product Development

Tips and Trends for the Future of
Community Practice

Workshop Tracks

Advancing the Business of Oncology

Streamlining Clinical Workflows

Empowering Operational Teams

Research Innovation



Ask the Experts

Level 5

SATURDAY

7:45am – 1:00pm

2:45pm – 5:45pm

SUNDAY

9:00am – 12:00pm

New Features

Level 5

SATURDAY

7:45am – 1:00pm

2:45pm – 5:45pm

SUNDAY

9:00am – 12:00pm



Communities

Lounge Level 5

SATURDAY

7:45am – 1:00pm

2:45pm – 5:45pm

SUNDAY

9:00am – 12:00pm

Roundtable Discussions Level 4

SUNDAY

10:00am – 12:00pm



Evening Events

FRIDAY

Palm Park Terrace

Fairmont Austin, Level 7

6:00pm – 9:00pm



SATURDAY

Banger's Sausage House & Beer Garden

Historic Rainey Street

7:00pm – 11:00pm





Questions?

Download the conference app:
search for “Flatiron Health”
on the app store

Ask anyone with a purple
staff badge

Visit the Registration Desk


Email eventdesk@flatiron.com

State of the Union









6%

YoY clinician growth
across all practices
on OncoEMR





**DON'T
MESS**

**WITH
COMMUNITY
ONCOLOGY**

Pillars of Community Oncology



**Commitment
to Patients**



**Commitment
to Patients**



**Perseverance
& Flexibility**



**Commitment
to Patients**



**Perseverance
& Flexibility**



**Innovation
& Advocacy**



**Commitment
to Patients**



**Perseverance
& Flexibility**



**Innovation
& Advocacy**



personalized care



A woman with brown hair and glasses is sitting at a desk in a cancer support center, talking on a white telephone. She is wearing a black shirt with colorful cancer awareness ribbons and the words 'LOVE' and 'HOPE' printed on it. In the background, another person in a blue shirt and tie is standing. The desk is cluttered with papers, a calculator, and other office supplies. The overall atmosphere is professional and supportive.

same day appointments

high quality / outcomes

personalized care

after hours care & support

convenient access

time to first appointment

lower cost

access to clinical trials



TENNESSEE
ONCOLOGY



“There is a huge difference between a willingness to work on patients quickly and cheerfully, versus doing so with eye rolls and sighs—it’s a very different experience for staff who have to ask a doctor to overbook.”

—Ted Arrowsmith, MD
Tennessee Oncology



TENNESSEE
ONCOLOGY



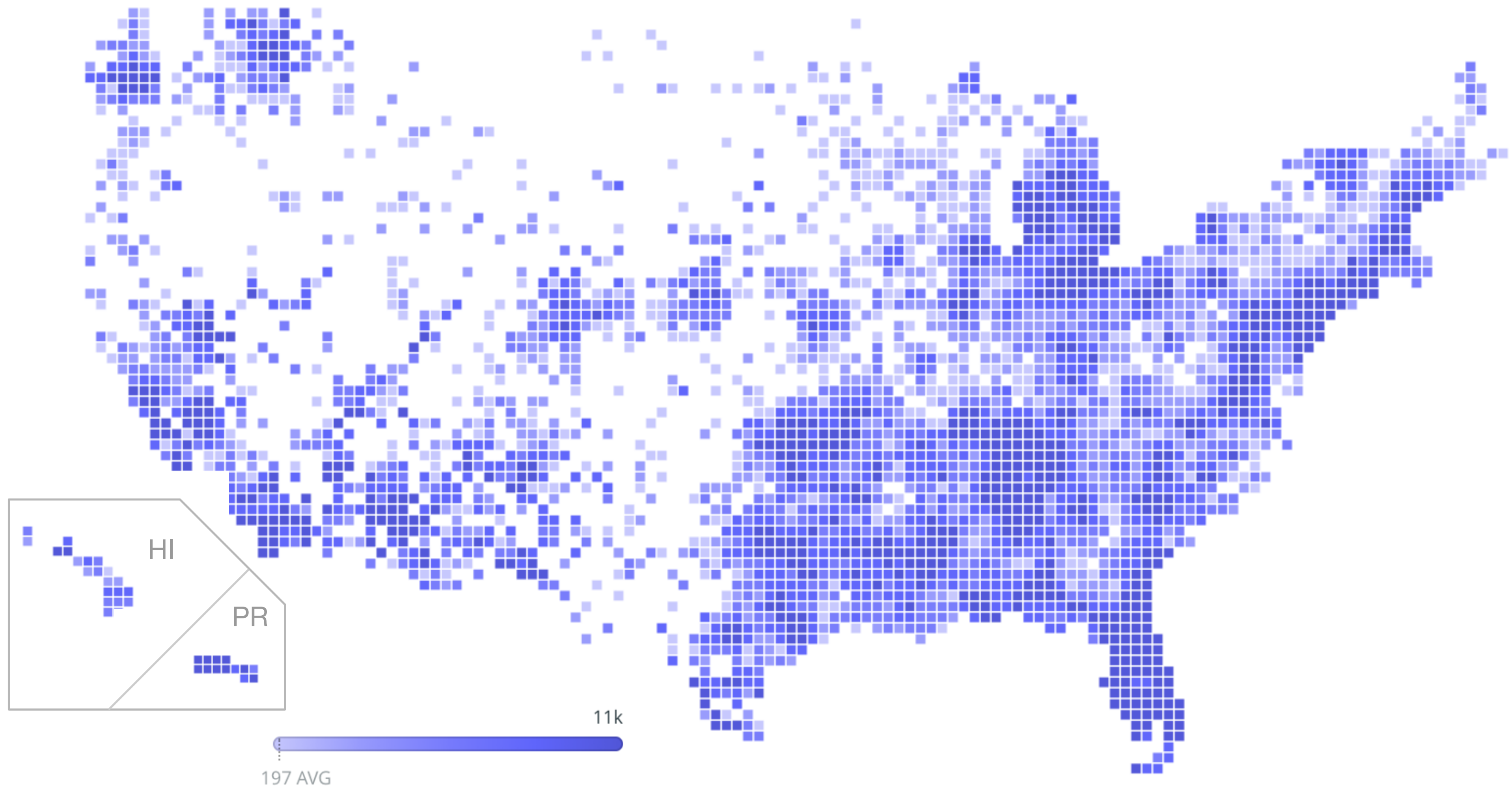


2.6

average days
from referral to
appointment

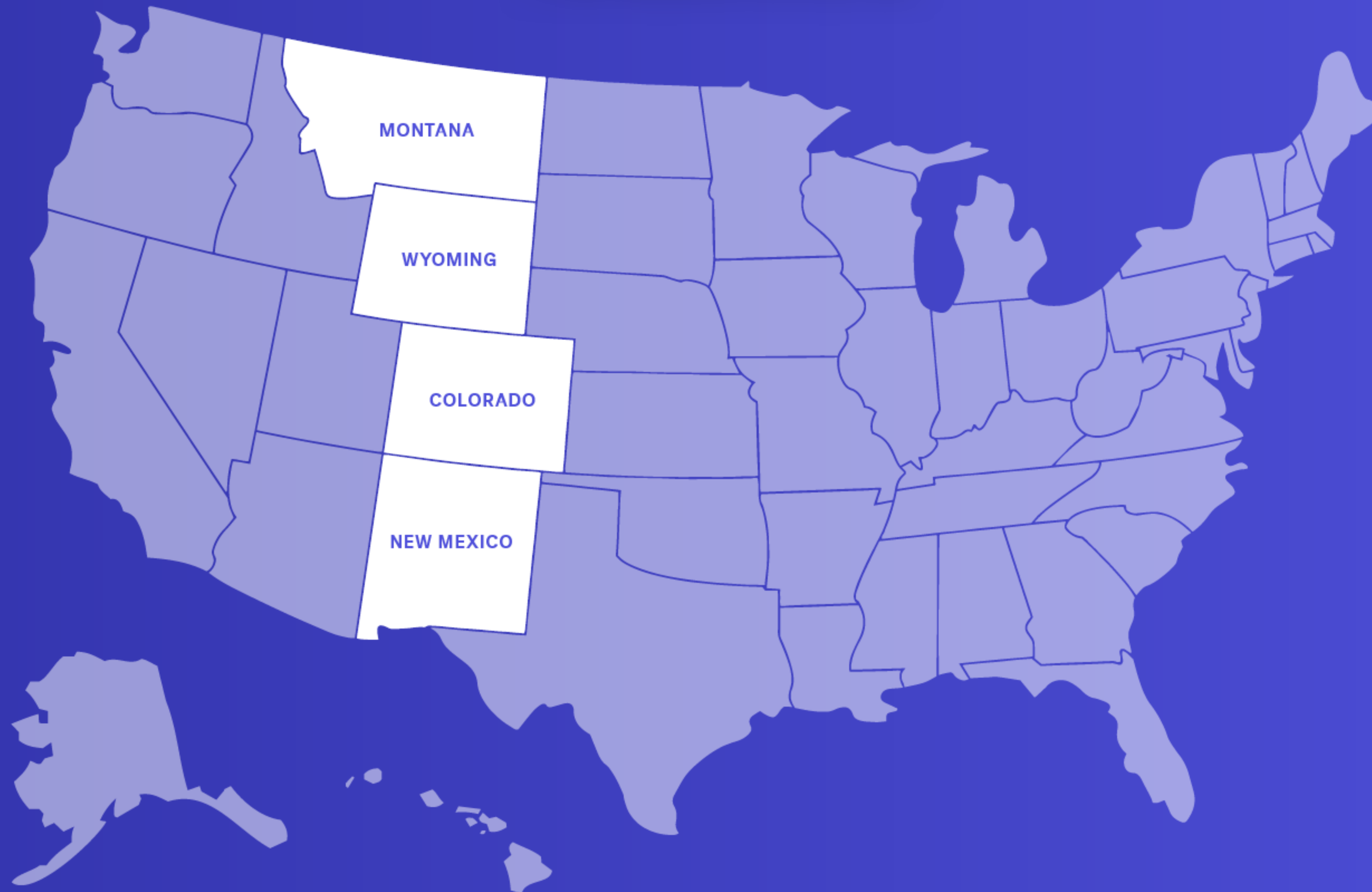
TENNESSEE
ONCOLOGY







7 OUTREACH SITES IN:





**Commitment
to Patients**



**Perseverance
& Flexibility**



**Innovation
& Advocacy**



Commitment
to Patients



Perseverance
& Flexibility



Innovation
& Advocacy



Julia Morton
Senior Director,
Customer Success



Next



Aden

Perpetua

Amaro

Mayfair



Filter

Edit



Thanks Dr. Harwin, Dr. Green, and Patrick :)



**ever-changing
reimbursement
requirements**



**ever-changing
reimbursement
requirements**

**barriers to
patient care**



**ever-changing
reimbursement
requirements**

**barriers to
patient care**

**overload of
new industry
content**





OCM standards for every patient



OCM standards for every patient

- ✓ expanded triage system



OCM standards for every patient

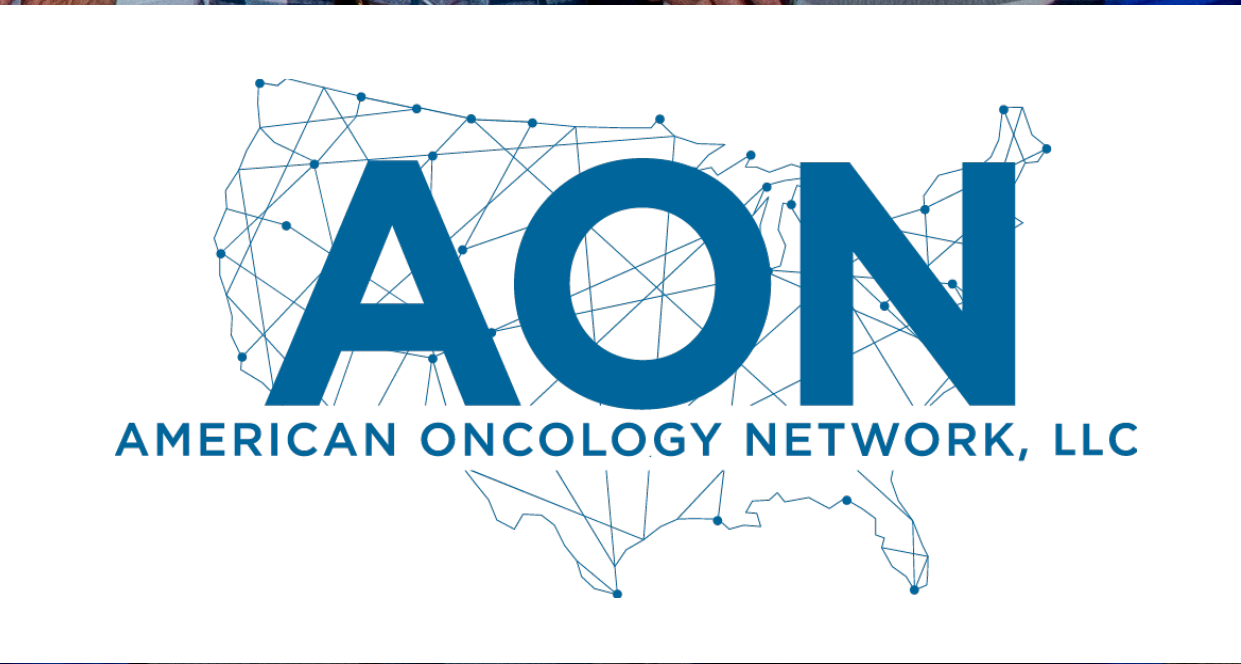
- ✓ expanded triage system
- ✓ 24/7 CCM services

OCM standards for every patient

- ✓ expanded triage system
- ✓ 24/7 CCM services
- ✓ survivorship and EOL planning
- ✓ social worker partnerships
- ✓ clinical standards committee



SC ONCOLOGY
ASSOCIATES







**Commitment
to Patients**



**Perseverance
& Flexibility**



**Innovation
& Advocacy**



Commitment
to Patients



Perseverance
& Flexibility



Innovation
& Advocacy



Bobby Green, MD
Chief Medical Officer



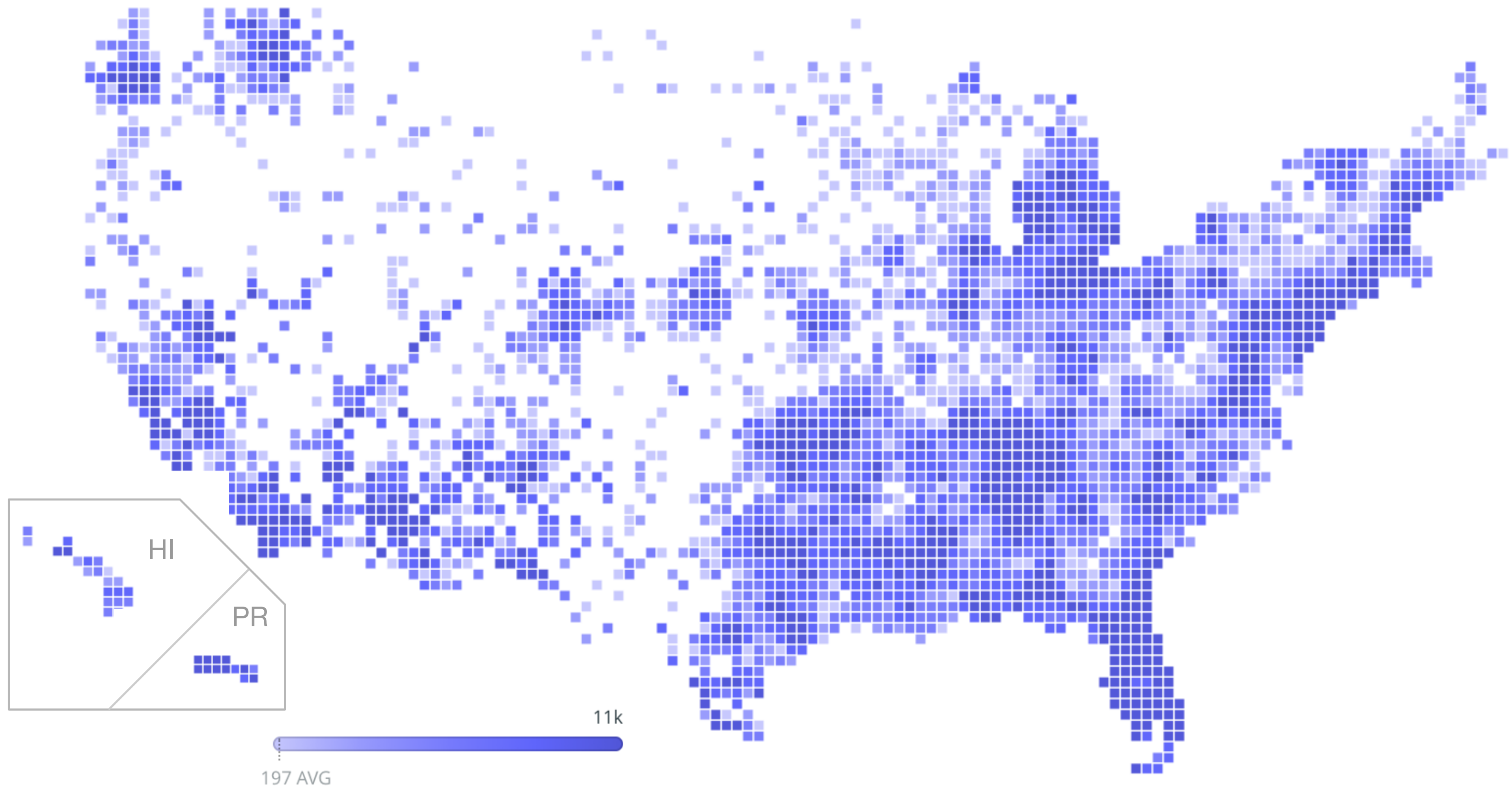


Emergency ←

Main Entrance ↑

Patient Drop-off ↑

Cancer Institute →





SHARE



TEXT



1,166

OPINION | COMMENTARY

How I Was Wrong About ObamaCare

The law's drafters wanted consolidation: 112 hospital mergers last year. But smaller practices have improved care better.

By Bob Kocher

July 31, 2016 4:35 pm ET

I was wrong. Wrong about an important part of ObamaCare.

When I joined the Obama White House to advise the president on health-care policy as the only physician on the National Economic Council, I was deeply committed to developing the best health-care reform we could to expand coverage, improve quality and bring down costs. We worked for months to pass this landmark legislation, and I still count celebrating the passage of the Affordable Care Act with the president one balmy spring night in 2010 as one of my greatest Washington memories.



SHARE



TEXT



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QUALITY

COST







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The NEW ENGLAND
JOURNAL of MEDICINE

ORIGINAL ARTICLE

Nivolumab versus Docetaxel in Advanced Squamous-Cell Non–Small-Cell Lung Cancer

Julie Brahmer, M.D., Karen L. Reckamp, M.D., Paul Baas, M.D., Lucio Crinò, M.D., Wilfried E.E. Eberhardt, M.D., Elena Poddubskaya, M.D., Scott Antonia, M.D., Ph.D., Adam Pluzanski, M.D., Ph.D., Everett E. Vokes, M.D., Esther Holgado, M.D., Ph.D., David Waterhouse, M.D., Neal Ready, M.D., Justin Gainor, M.D., Osvaldo Arén Frontera, M.D., Libor Havel, M.D., Martin Steins, M.D., Marina C. Garassino, M.D., Joachim G. Aerts, M.D., Manuel Domine, M.D., Luis Paz-Ares, M.D., Martin Reck, M.D., Christine Baudet, Ph.D., Christopher T. Harbison, Ph.D., Brian Lestini, M.D., Ph.D., and David R. Spigel, M.D.

July 9, 2015

N Engl J Med 2015; 373:123-135

DOI: 10.1056/NEJMoa1504627



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July 9, 2015

N Engl J Med 2015; 373:123-135

DOI: 10.1056/NEJMoa1504627

Phase 1/2 Study of the Safety and Tolerability of Nivolumab Plus Crizotinib for the First-Line Treatment of Anaplastic Lymphoma Kinase Translocation - Positive Advanced Non-Small Cell Lung Cancer (CheckMate 370).

Spigel DR¹, Reynolds C², Waterhouse D³, Garon EB⁴, Chandler J⁵, Babu S⁶, Thurmes P⁷, Spira A⁸, Jotte R⁹, Zhu J¹⁰, Lin WH¹⁰, Blumenschein G Jr¹¹.

- 1 Sarah Cannon Research Institute, Nashville, Tennessee. Electronic address: dspigel@tnonc.com.
- 2 Florida Cancer Specialists, Ocala, Florida.
- 3 OHC (Oncology Hematology Care), an affiliate of US Oncology Research, Cincinnati, Ohio; US Oncology Research, The Woodlands, Texas.
- 4 David Geffen School of Medicine at UCLA/Translational Research in Oncology-US Network, Santa Monica, California.
- 5 West Cancer Center, Memphis, Tennessee.
- 6 Fort Wayne Medical Oncology and Hematology, Fort Wayne, Indiana.
- 7 Minnesota Oncology, Minneapolis, Minnesota.
- 8 US Oncology Research, The Woodlands, Texas; Virginia Cancer Specialists, Fairfax, Virginia.
- 9 US Oncology Research, The Woodlands, Texas; Rocky Mountain Cancer Center, Denver, Colorado.
- 10 Bristol-Myers Squibb, Princeton, New Jersey.
- 11 Department of Thoracic/Head and Neck Medical Oncology, The University of Texas MD Anderson Cancer Center, Houston, Texas.

OUR MISSION:

To improve lives by learning from the
experience of every cancer patient.

Caring For
Every Patient,
Learning From
Every Patient

Affordable Care Act Medicaid Expansion Impact on Racial Disparities in Time to Cancer Treatment

Blythe Adamson¹; Aaron Cohen¹; Melissa Estévez¹; Kelly Magee¹;
Erin Williams¹; Cary Gross²; Neal Meropol¹; Amy Davidoff²

¹ Flatiron Health, Inc. | ² Yale University

PRESENTED AT: 2019 ASCO[®]
ANNUAL MEETING

#ASCO19
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PRESENTED BY: Amy J. Davidoff, PhD. Amy.davidoff@yale.edu

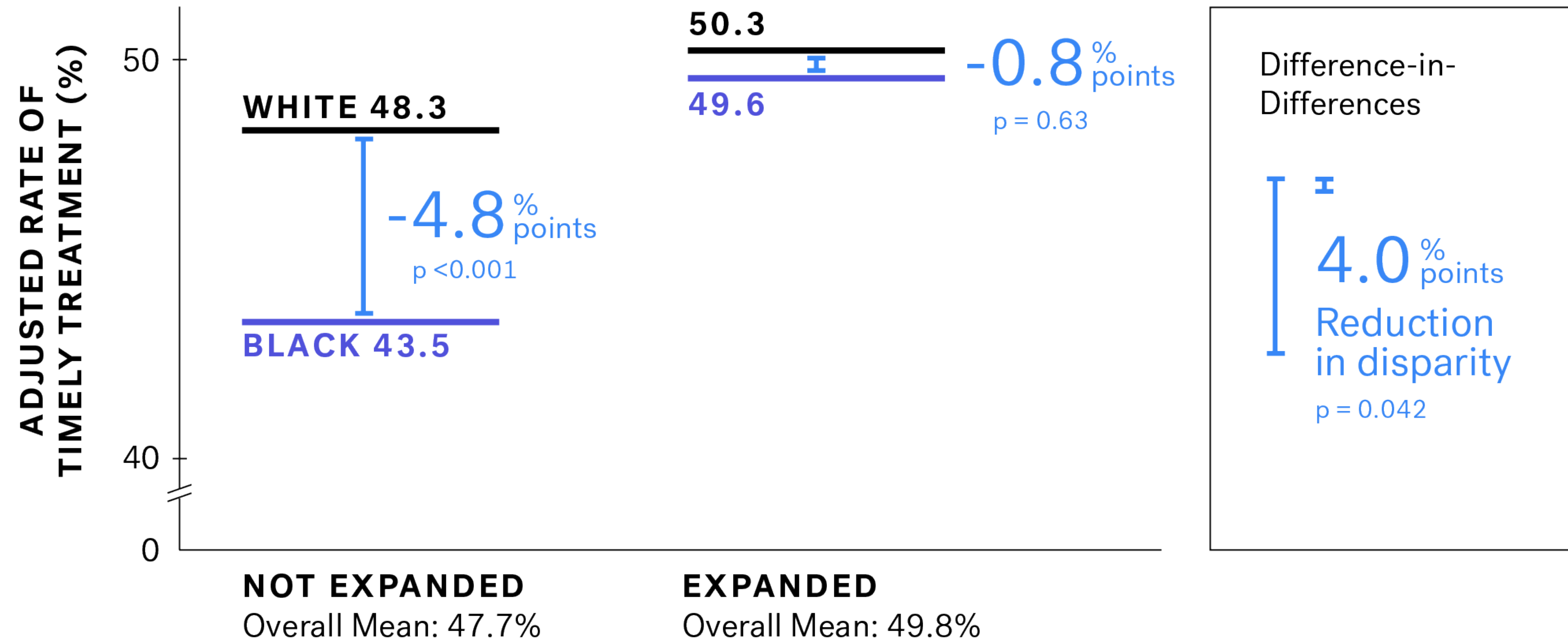
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2019 ASCO

ASCO[®]

ASCO Annual Meeting 2019: Plenary Session

Results: Change in Racial Disparity



“We need to shift the data paradigm and understand how to safely and appropriately use our patients’ data. This study is a leap forward and provides proof of concept that healthcare systems can use their data to improve outcomes and possibly reduce disparities.”

— Yousuf Zafar, MD
Duke Cancer Institute

“We need to shift the data paradigm and understand how to safely and appropriately use our patients’ data. This study is a leap forward and provides proof of concept that healthcare systems can use their data to improve outcomes and possibly reduce disparities.”

— Yousuf Zafar, MD
Duke Cancer Institute



2019 World Conference on Lung Cancer
September 7–10, 2019 | Barcelona, Spain
Conquering Thoracic Cancers Worldwide

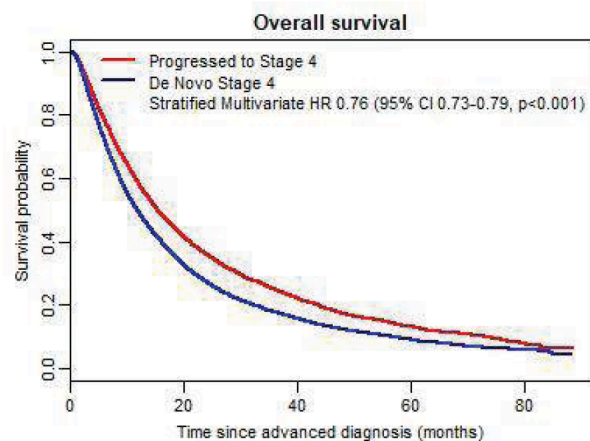
MA14 THE ADEQUATE MTARGET IS STILL THE ISSUE
MONDAY, SEPTEMBER 9 15:45–17:15

MA14.09 REAL-WORLD SURVIVAL OF RELAPSED COMPARED TO DE-NOVO STAGE IV DIAGNOSIS OF ADVANCED NON-SMALL CELL LUNG CANCER

K. Kerrigan¹, B. Haaland¹, B. Adamson², S. Patel¹, W. Akerley¹

¹Huntsman Cancer Institute, Salt Lake City/United States of America, ²Flatiron Health, New York City/United States of America

Background: Differences in tumor biology and cancer therapy in early stage lung cancer may affect overall survival (OS) of patients with relapsed stage IV disease compared to others with de-novo stage IV disease. This study aimed to compare real-world survival of these patients. **Method:** We selected patients with advanced NSCLC diagnosed between 2011 and 2017, who received at least one line of therapy, from the US Flatiron Health electronic health record-derived database. Patient data was collected through June 2018, providing at least 6 months of follow-up. OS was defined as time from advanced or metastatic diagnosis to the event of death, censored at last OS of patients who were alive at the time of data collection. We fit multivariable hazard of death




The study included 20,710 patients with median age of 69.9 years

Future Medicine

JOURNAL OF COMPARATIVE EFFECTIVENESS RESEARCH, AHEAD OF PRINT | RESEARCH ARTICLE

Comparative effectiveness of first-line nab-paclitaxel versus paclitaxel monotherapy in triple-negative breast cancer

Patricia Luhn , Stephen Y Chui, “Angela” Fu-Chi Hsieh, Jingbo Yi, Almut Mecke, Preeti S Bajaj, Waseem Hasnain, Adeline Falgas, Thanh GN Ton & Allison W Kurian


Published Online: 9 Aug 2019 | <https://doi.org/10.2217/ce-2019-0077>

Aim: This observational study evaluated the effectiveness of nab-paclitaxel versus paclitaxel monotherapy as first-line (1L) treatment for metastatic triple-negative breast cancer (mTNBC). **Materials & methods:** 200 patients from the US Flatiron Health electronic health record-derived database (mTNBC diagnosis, January 2011–October 2016) who received 1L nab-paclitaxel (n = 105) or paclitaxel (n = 95) monotherapy were included. Overall survival and time to next treatment were evaluated. **Results:** The adjusted overall survival hazard ratio was 0.98 (95% CI: 0.67–1.44), indicating a similar risk of death between groups. Adjusted time to next treatment hazard ratio was 0.89 (95% confidence interval: 0.62–1.29). **Conclusion:** Nab-paclitaxel and paclitaxel monotherapy showed similar efficacy, suggesting their interchangeability as 1L treatments for mTNBC.

 **BMC** Part of Springer Nature

BMC Medical Research Methodology

Validation of diagnosis codes to identify side of colon in an electronic health record registry

Patricia Luhn , Deborah Kuk, Gillis Carrigan, Nathan Nussbaum, Rachael Sorg, Rebecca Rohrer, Melisa G. Tucker, Brandon Arneri, Michael D. Taylor & Neal J. Meropol

Abstract

Background

The use of real-world data to generate evidence requires careful assessment and validation of critical variables before drawing clinical conclusions. Prospective clinical data collection and validation of critical variables before drawing clinical conclusions. Prospective clinical data collection and validation of critical variables before drawing clinical conclusions. Prospective clinical data collection and validation of critical variables before drawing clinical conclusions.

Methods

Nine thousand patients (mCRC) were identified from the Flatiron Health electronic health record-derived database. Tumor diagnosis codes were compared to surgical pathology reports to validate the accuracy of the diagnosis codes.



Real-world progression, treatment, and survival outcomes during rapid adoption of immunotherapy for advanced non-small cell lung cancer

Sean Khozin MD, MPH, Rebecca A. Miksad MD, MPH , Johan Adami, Mariel Boyd, Nicholas R. Brown, Anala Gossai PhD, MPH, Irene Kaganman PhD, Deborah Kuk ScM ... [See all authors](#) 

First published: 05 August 2019 | <https://doi.org/10.1002/cncr.32383>

We thank Nicole Lipitz, Julia Saiz Shimosato, Chris Gayer, and Sam Azaria, from Flatiron Health, for editing and administrative support. Dr. Abernethy participated in this work prior to joining the FDA. This work and related conclusions reflect the independent work of study authors and does not necessarily represent the views of the US Food and Drug Administration or the United States. The copyright line for this article was changed on 5 August 2019 after original online publication.

Abstract

Background


Despite the rapid adoption of immunotherapies in advanced non-small cell lung cancer (advNSCLC), knowledge gaps remain about their real-world (rw) performance.

Methods

This retrospective, observational, multicenter analysis used the Flatiron Health deidentified electronic health record-derived database of rw patients with advNSCLC who received treatment with PD-1 and/or PD-L1 (PD-[L]1) inhibitors before July 1, 2017 (N = 5257) and had ≥6 months of follow-up. The authors investigated PD-(L)1 line of treatment and PD-L1 testing rates and the relationship between overall survival (OS) and rw intermediate endpoints: progression-free survival (rwPFS), rw time to

JCO® Clinical Cancer Informatics
An American Society of Clinical Oncology Journal

Characterizing the Feasibility and Performance of Real-World Tumor Progression End Points and Their Association With Overall Survival in a Large Advanced Non-Small-Cell Lung Cancer Data Set

Sandra D. Griffith, PhD¹; Rebecca A. Miksad, MD, MPH¹ ; Geoff Calkins¹; Paul You, MPH¹; Nicole G. Lipitz¹; Ariel B. Bourla, MD, PhD¹; ...

ABSTRACT

Choose

PURPOSE

Large, contemporary real-world data sets are increasingly used for a variety of purposes, including assessing the performance of health record–derived end points. This study aimed to characterize the feasibility and performance of real-world tumor progression end points and their association with overall survival (OS) in a large advanced non-small-cell lung cancer (aNSCLC) data set.

METHODS

Patients from the Flatiron Health electronic health record–derived database (aNSCLC diagnosis, January 2011–October 2016) who received first-line (1L) treatment were included. OS was defined as time from advanced or metastatic diagnosis to the event of death, censored at last OS of patients who were alive at the time of data collection. We fit multivariable hazard of death



Article

Using Electronic Health Records to Derive Control Arms for Early Phase Single-Arm Lung Cancer Trials: Proof-of-Concept in Randomized Controlled Trials

Gillis Carrigan , Samuel Whipple, William B. Capra, Michael D. Taylor, Jeffrey S. Brown, Michael Lu, Brandon Arneri, Ryan Copping, Kenneth J. Rothman

First published: 27 July 2019 | <https://doi.org/10.1002/cpt.1586>

This article has been accepted for publication and undergone full peer review but has not been through the copyediting, typesetting, pagination and proofreading process, which may lead to differences between this version and the Version of Record. Please cite this article as doi: 10.1002/cpt.1586

Abstract

Oncology drug development increasingly relies on single-arm clinical trials. External controls (EC) derived from electronic health record (EHR) databases may provide additional context. Patients from a US based oncology EHR database were aligned with patients from randomized controlled trials (RCTs) and trial specific eligibility criteria were applied to the EHR dataset. Overall survival (OS) in the EC derived control arm was compared to OS in the RCT experimental arm. The primary outcome was OS, defined as time from randomization or treatment initiation (EHR) to death. Cox regression models were used to obtain effect estimates using EHR data. EC-derived hazard ratio (HR) estimates aligned closely with those from the corresponding RCT with one exception. Comparing log HRs between all RCT and EC results gave a Pearson correlation coefficient of 0.86. Properly selected control arms from contemporaneous EHR data could be used to put single-arm trials of OS in advanced non-small cell lung cancer (aNSCLC) into context.

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ONCOCLOUD '19

presented by flatiron

**Cancer is smart.
Together we can
be smarter.**



Takeda

AAGR

ASCR

ELSEVIER

