

Cancer Study Group

GPBCH Oncology Summit



Research Summary:

Two foundational insights as set up for the presentation



It Matters Where You Go for Care

- ✓ **In The Data:** Drastic differences in outcomes (and costs) between different providers.
- ✓ **Large benefit** to patients from reaching the “right experts”; the physicians who are well-equipped to treat their specific cancers.

Key Learnings:

The first month is the most important part of the cancer journey. Failing to reach the right experts puts patients at risk of missing their best shot.



Different Answers for Different Cancers

- ✓ **Some Cancers:** Particularly deadly, complex, rare; patients need sub-specialized, high-volume experts (often at top centers).
- ✓ **Other Cancers:** More common, less complex; well treated in a variety of settings.

Key Learnings:

In the weeds, specific expertise required to diagnose and treat each type of cancer well.

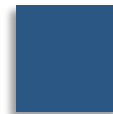
CANCER BY CANCER MAPPINGS:

With 100 leading oncologists, our team mapped the expertise required to diagnose and treat 52 types of cancer

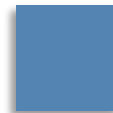
	Non-Met				Metastatic			
	Chemo	Radiation	Surgery	D&TP	Chemo	Radiation	Surgery	D&TP
Endocrine Thyroid								
Endocrine Parathyroid								
Genitourinary Bladder								
Genitourinary Prostate								
Skin Melanoma								
Genitourinary Kidney								
Lymphoma MM								
Lymphoma CLL								
Lymphoma PMBCL								
Breast								
Colorectal Colon								
Genitourinary Testicular								
Gynecologic Uterine								
Colorectal Anal								
Lymphoma DLBCL								
Lymphoma Follicular								
Leukemia & Other Hem Chronic								
Gastrointestinal Small bowel								
Gynecologic Ovarian								
Lung								
Lymphoma HL								
Lymphoma Mantle Cell								
Lymphoma Marginal Zone								
Lymphoma Waldenstrom Macroglobulinemia								
CNS Brain								
CNS Spinal cord								
Lymphoma Burkitt								
Sarcoma Connective and soft tissue								
Sarcoma Bone								
Colorectal Rectal								
Gastrointestinal Esophageal								
Gastrointestinal Gastric								
Gastrointestinal Pancreatic								
Genitourinary Penile								
Head & Neck								
Hepatobiliary Bile Duct								
Hepatobiliary Gallbladder								
Hepatobiliary Liver								
Endocrine Neuro								
Gynecologic Vulvar								
Gynecologic Cervical								
Leukemia & Other Hem Acute								
Leukemia & Other Hem Myelo								
Lymphoma T-cell								
Skin Merkel Cell								



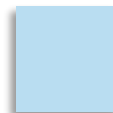
Level of Expertise Required



Academic Medical Center

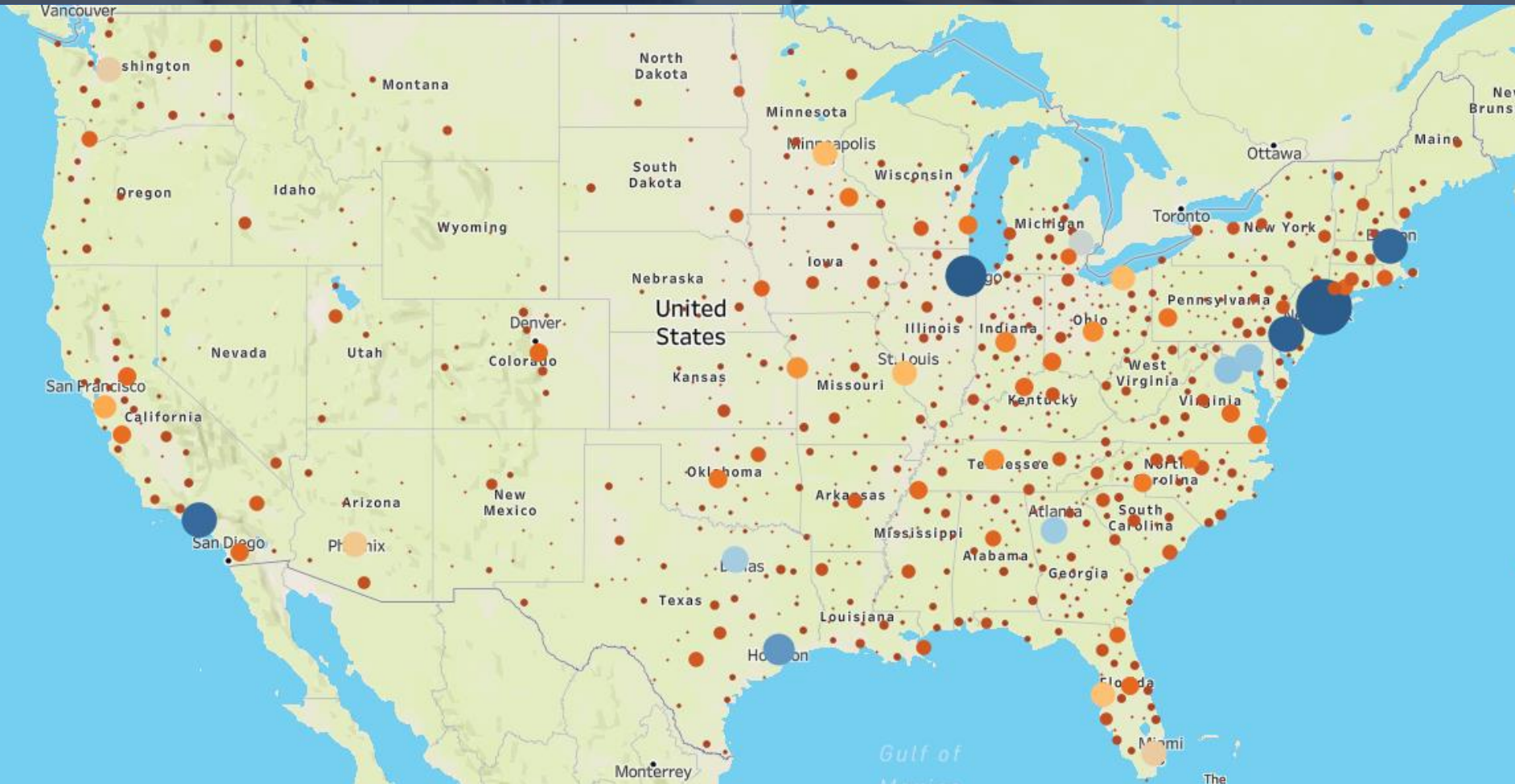


Top Community Center



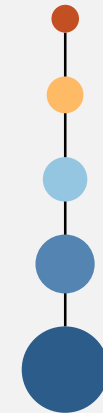
Community Center

The National Cancer Navigation Study: Mapping 34,000 Cancer Patients, Across the Country



 Patient Density

Fewer Patients



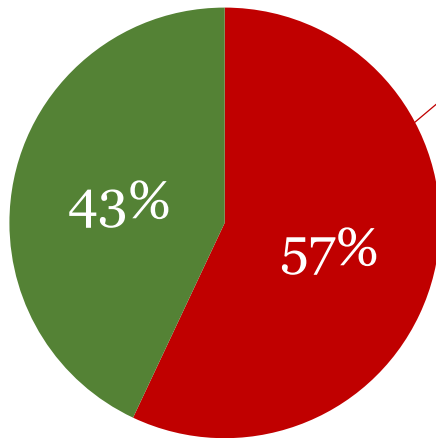
More Patients

Patients At Risk Across the Country:

First insight from the national analytics – many patients at risk, failing to reach the right experts for their care

National Average: **57% of Patients at Risk**

Right Place vs. Wrong Place



Results, By the Numbers

34,363

Newly diagnosed cancer patients in the study

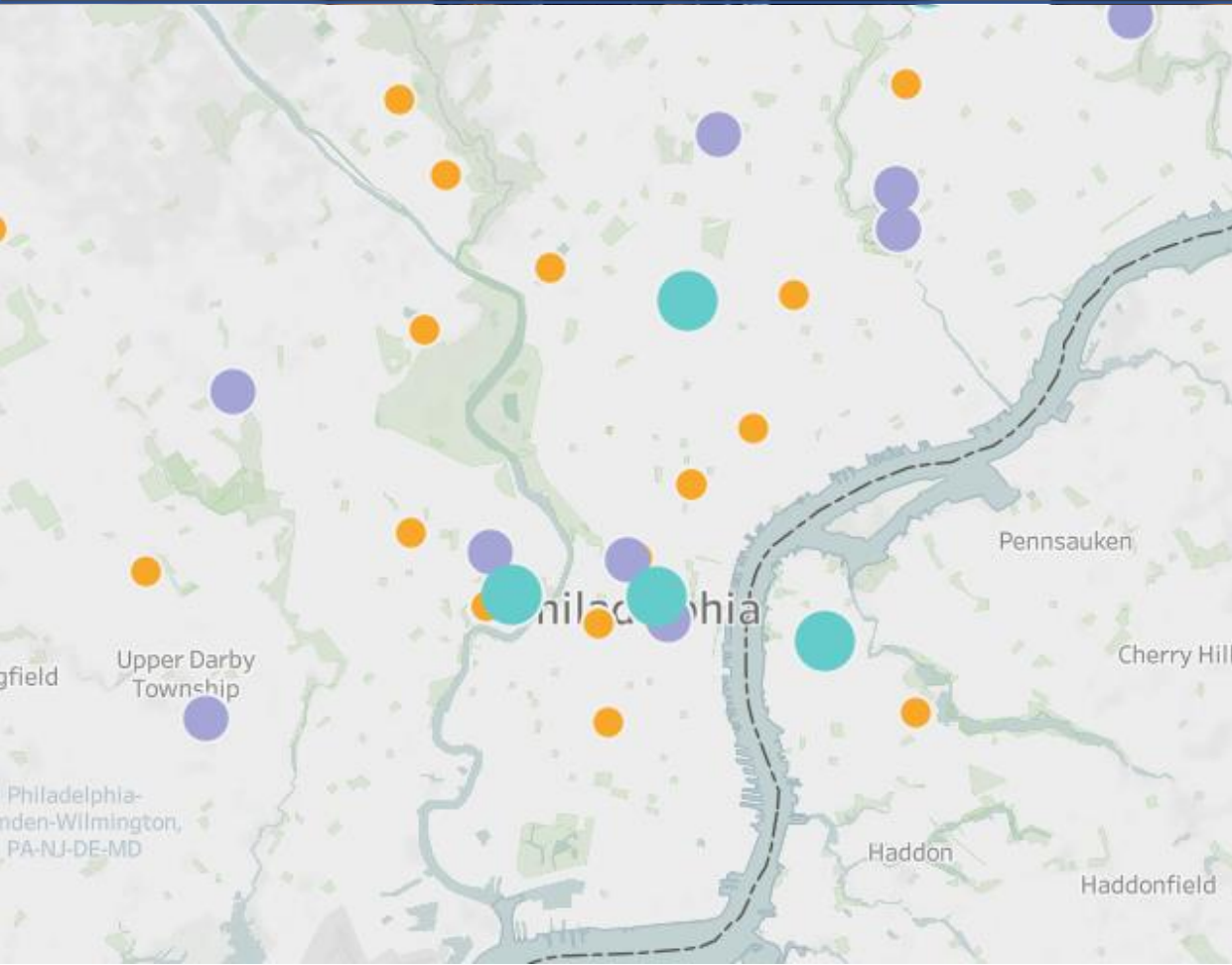
19,604

Patients in the study failing to reach the right experts; at risk based on site-of-care

Impact in the Study

~2,000 patients likely to die in the first year – who could live, in the right hands.

Looking at Philadelphia... do patients in the Philly metro area reach great experts for their care?

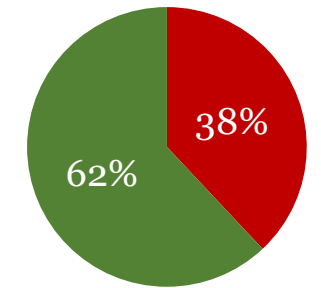


Key Insights

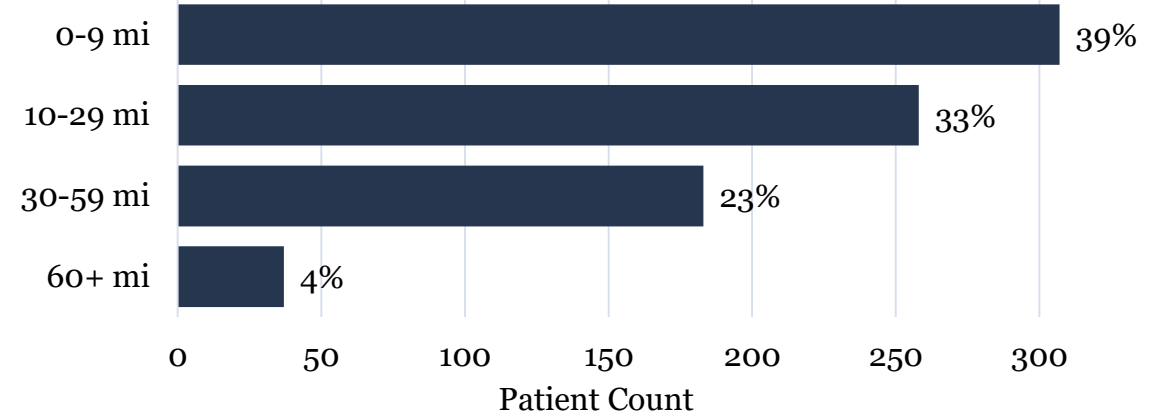
1 Many patients **fail to reach a well-equipped center** for their diagnosis & treatment planning.

2 Majority of patients **in the shadow of great care.**

Right Place vs. Wrong Place



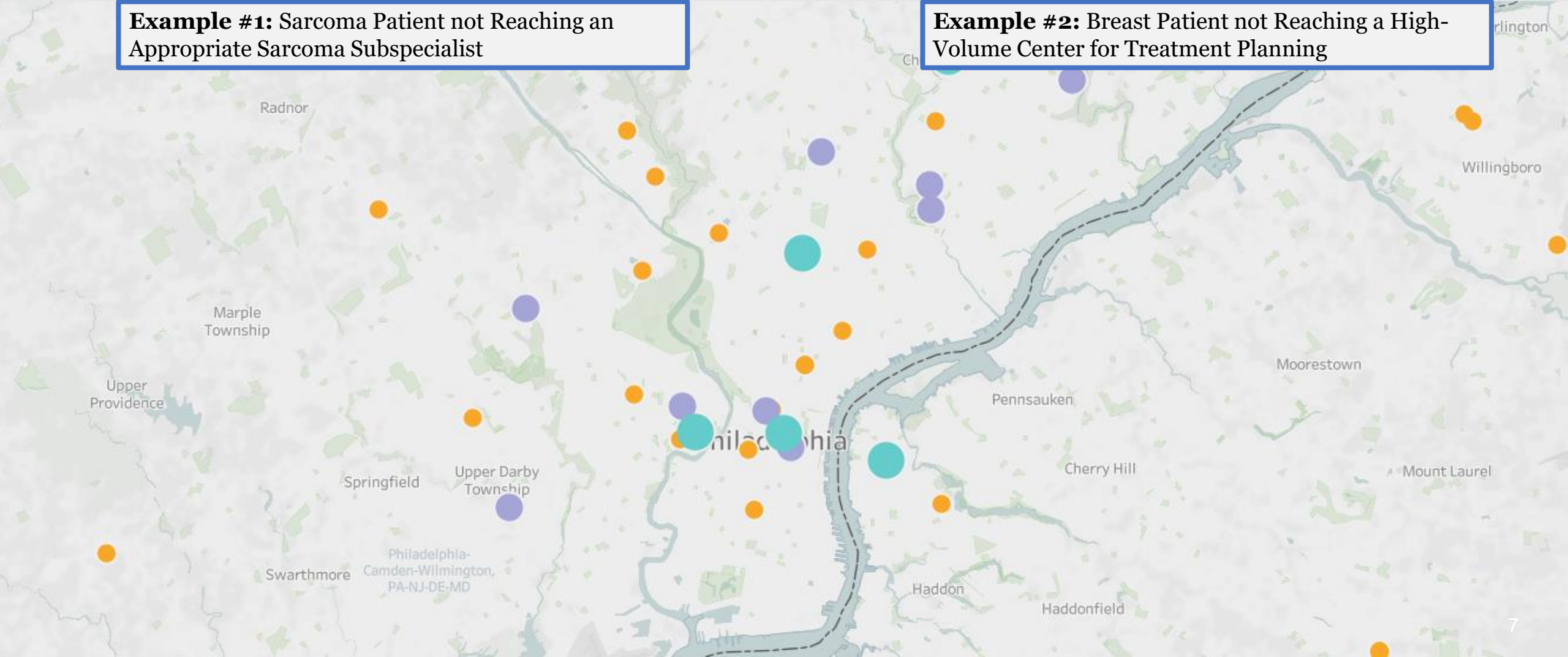
Distance to Right Place



Looking at Philadelphia... do patients in the Philly metro area reach great experts for their care?

Example #1: Sarcoma Patient not Reaching an Appropriate Sarcoma Subspecialist

Example #2: Breast Patient not Reaching a High-Volume Center for Treatment Planning



The Window of Opportunity:

Once patients start treatment, much harder to help them. Median, 30 days to get patients on the right track, before treatment starts

Day 1: Moment of Diagnosis

~ Day 30: Treatment Begins



THE INTERVENTION WINDOW

From our analytics, the median number of days from first ICD-10 code for cancer to when treatment begins is 30 days.



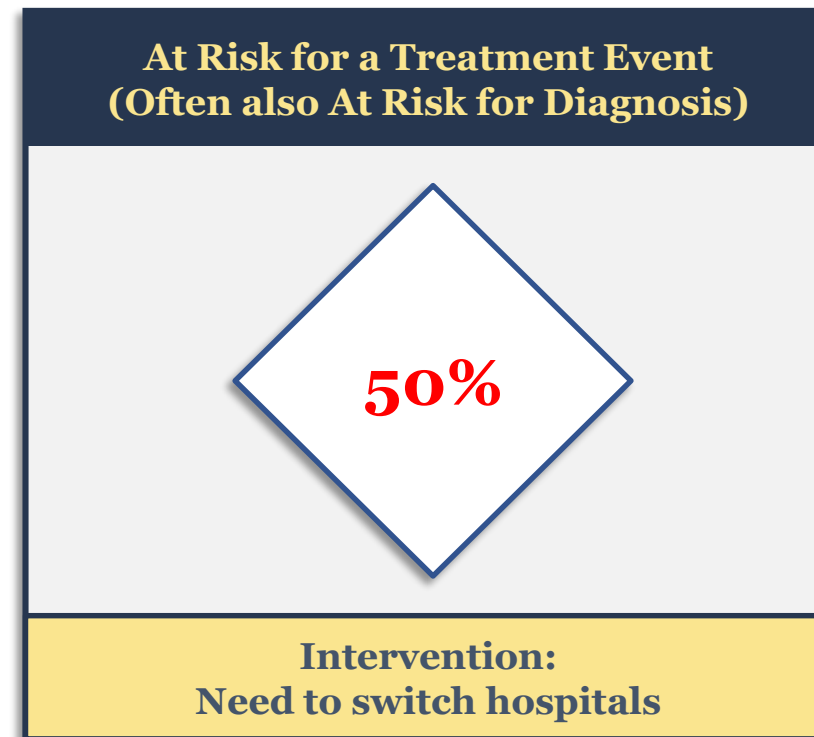
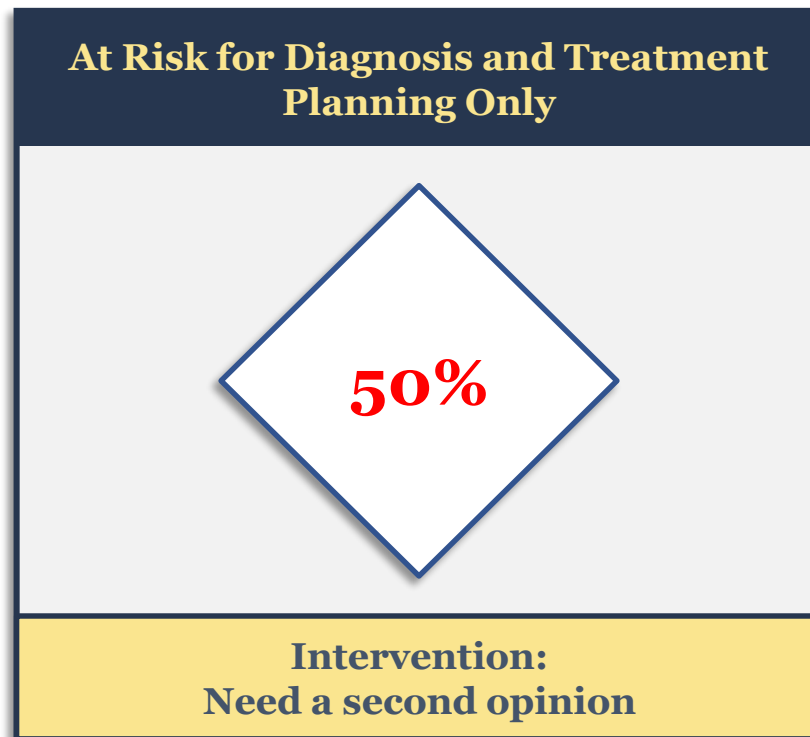
Data Insight

Few patients switch doctors or get a second opinion after they have begun treatment.

Virtual Alone Can't Fix the Problem:

From national study, clear that virtual second opinions alone aren't enough. 50% of at-risk patients require a physical change of location

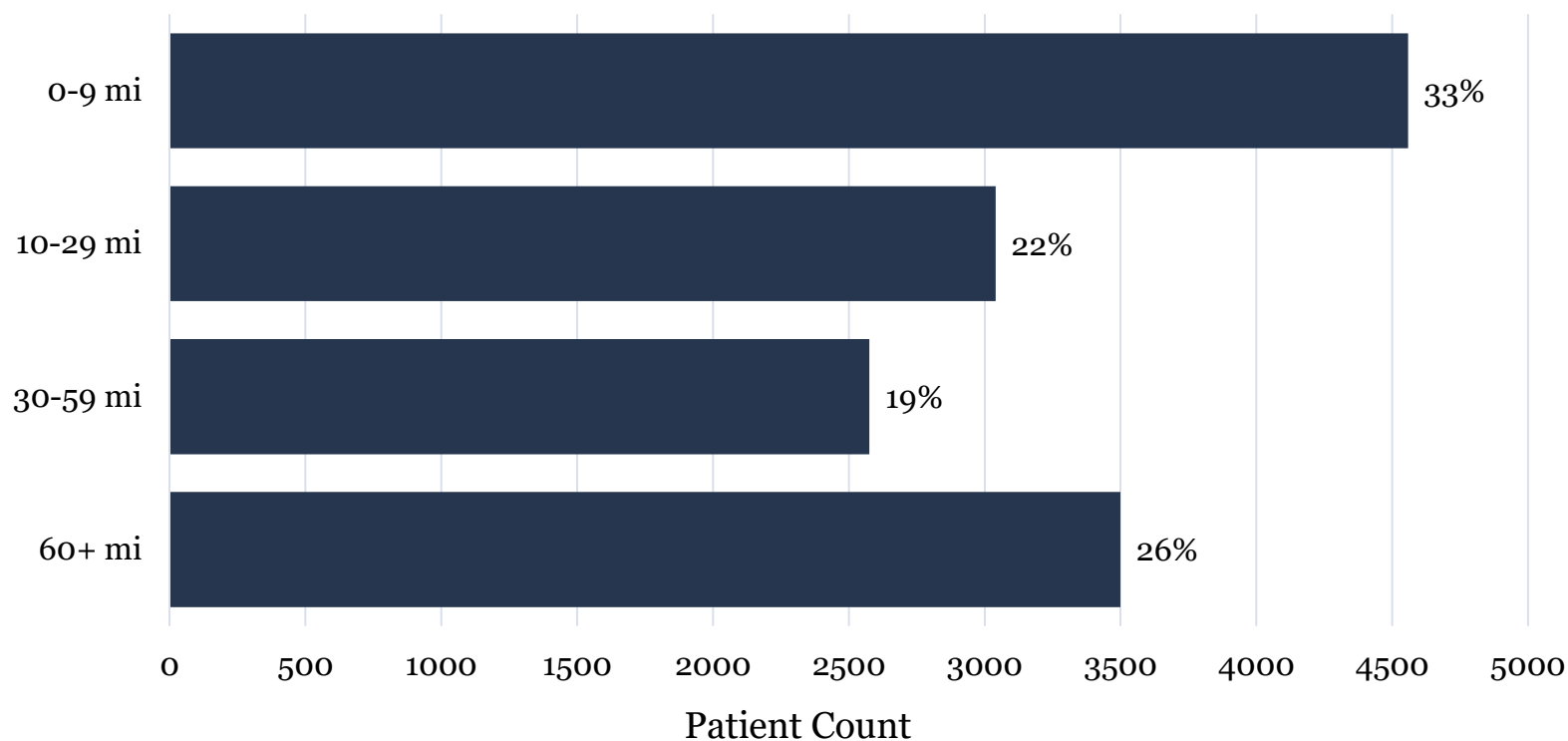
Treatment Events for Patients Who Fail to Reach Well-Equipped Centers



SOME GOOD NEWS:

From distance analytics, majority of patients at risk are within a reasonable drive of a well-equipped center

For Patients “At Risk” – Distance to a Well-Equipped Center



By The Numbers

33% of patients were within 10 miles of a well-equipped center

74% of patients were within 60 miles of a well-equipped center

OUR FOCUS: IN PARTNERSHIP WITH EMPLOYERS AND UNION HEALTH PLANS,

Get **every patient** the best care our system has to offer

Our Work, in Three Parts

I

Building a Navigation Database

Capturing the most important insights for every patient, whatever their situation.

FOR EVERY TYPE OF CANCER:

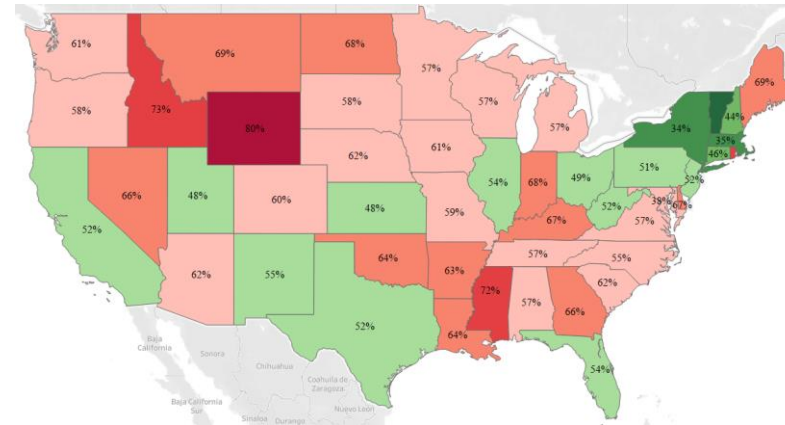
- What **care** the patient needs
- What **centers** are well-equipped to provide that care

Under the Hood: Team of researchers, data analysts; partnering with 100 top oncologists.

II

Mapping the Problem in Every Population

Studying where cancer goes wrong — and right — for every group.



Key Questions: How many patients at-risk; unnecessary deaths, costs; worst cities, best cities.

III

Serving Patients Directly

CancerNavigator Service – getting patient to fantastic experts for their care.

CANCER NAVIGATOR SERVICE:

- **Launched Jan 2022:** Currently running year 2 of the service
- **Built on Navigation Database:** Delivering custom, tailored guidance to patients on the best experts for them
- **Run By Oncology Nurses:** Nurses support patients directly 1-1

Goal: Get every patient their best shot against their disease.