5TH ANNUAL
VALUE IN CANCER CARE SUMMIT 2018

Community Cancer Care in Washington State: Quality and Cost Report 2018

HICOR at FRED HUTCH

Scott Ramsey, MD, PhD
Director, Hutchinson Institute for Cancer Outcomes Research

No conflicts to disclose

Presentation from HICOR Value in Cancer Care Summit 2018 - Please cite author when referencing content

Mission

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CURES START HERE

Eliminate cancer and related diseases as causes of human suffering and death.

HICOR
Hutchinson Institute for Cancer Outcomes Research

Improve the effectiveness of cancer prevention, early detection and treatment services in ways that reduce the economic and human burden of cancer.

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FRED HUTCH HICOR

We believe that every cancer patient in Washington state should get quality care that meets their goals at a reasonable cost, wherever they live.

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Community Cancer Care in Washington State: Cost and Quality Report 2018

www.fredhutch.org/cancer-care-report

First in the nation to publicly report clinic-level quality measures linked to cost in oncology

Fred Hutch and Washington state are showing national leadership in data transparency in cancer care.

Unprecedented collaboration between health care stakeholders: payers, providers, patients, researchers

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Community Cancer Care Report

Our goal is to promote **TRANSPARENCY** so that providers, payers, patients and researchers have access to the same high quality information in order to:

- Enable sharing of best practices
- Facilitate collaboration across traditional boundaries
- Develop shared solutions
- Test feasibility, effectiveness and scalability of new models of care (*Cancer Care Delivery Research)*

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Rules of Use and Disclosure

Optimal Uses of Performance Metrics

- Drive quality improvement within clinics
- Facilitate collaboration to improve care in the community
- Share best practices

Rules of Use

For at least two years after release of this Report, its data ***may not*** be used for the following:

- Establishing coverage networks
- Designing employee benefit packages
- Negotiating contracts without mutual agreement from all involved parties
- Clinic or payer advertising or marketing

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Health Care Claims

Premera Blue Cross

Regence BlueShield

Uniform Medical Plan | Medicare

2007-2017

Cancer Registries

CSS-Puget Sound SEER

Washington State Cancer Registry

2007-2017

Clinical, Utilization, Cost and Survival Data for ~70% of cancer patients in Washington state

Over 160,000 patients at Diagnosis

Over 60,000 at Time of Death

Reporting Years: 2014 – 2016

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What's in the report

Quality Measures	Cost of Episodes of Care
Recommended Treatment • Breast, Colorectal, and Lung Cancer • Breast Cancer	Treatment period
Hospitalization During Chemotherapy	6 months after first chemotherapy
Follow-up Testing after • Breast, Colon, and Lung Cancer Treatment • Breast Cancer Treatment	13 months after last treatment
End of Life Care	Last 30 days of life

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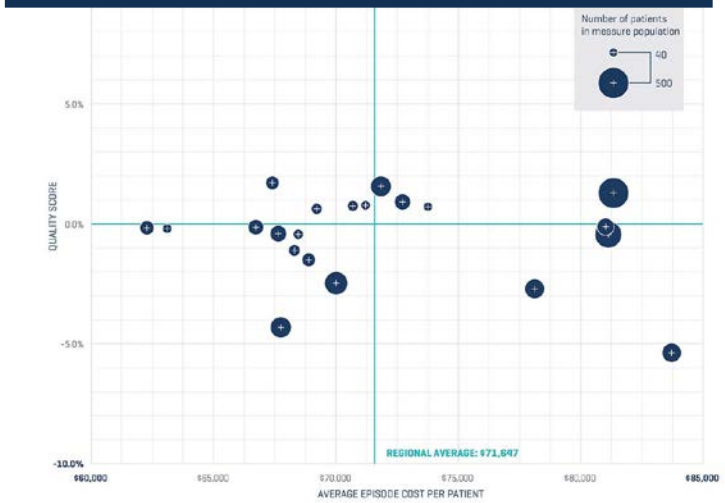
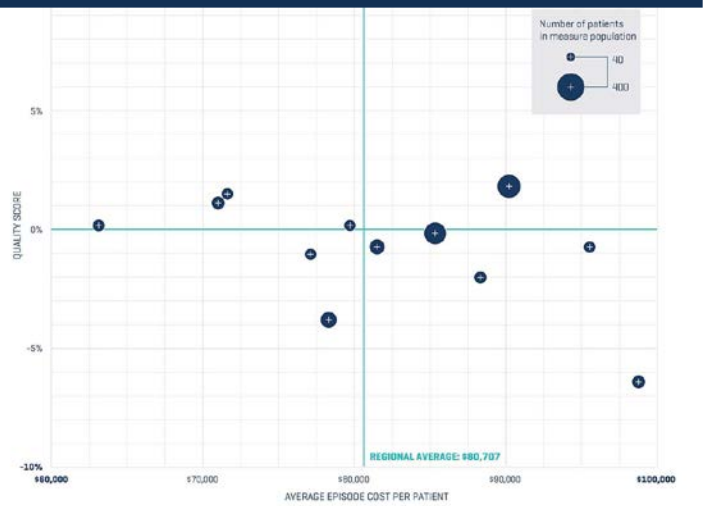
1A: Recommended Treatment

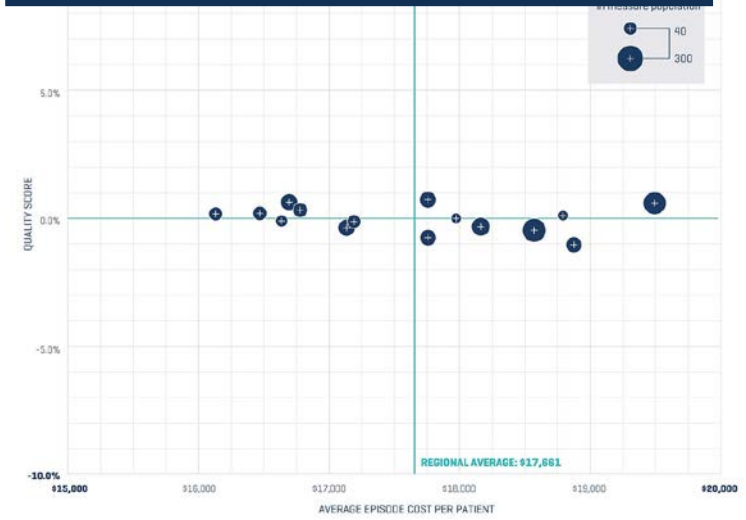


1B: Recommended Treatment (Breast)

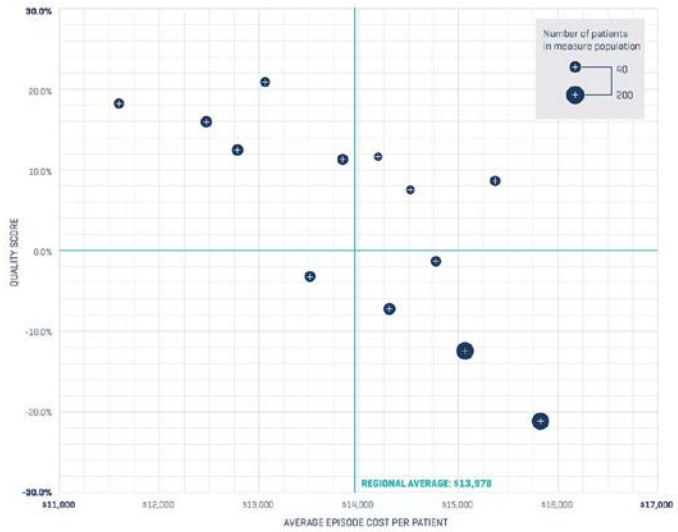


2: Chemo Hospitalization

3A: Follow-Up Imaging

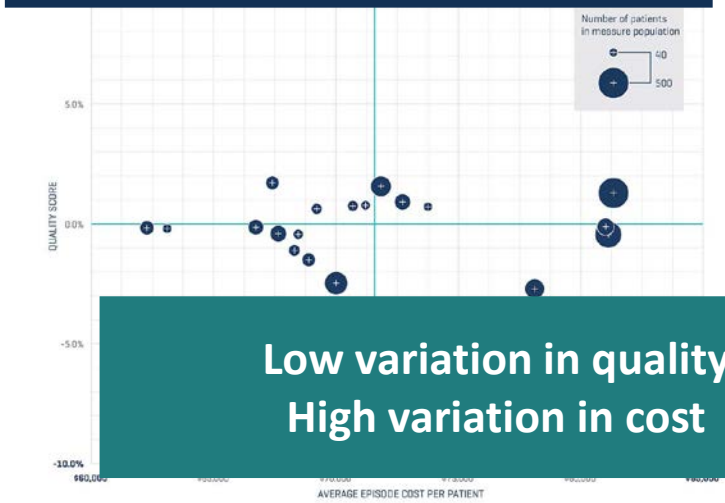


3B: Follow-Up Testing (Breast)

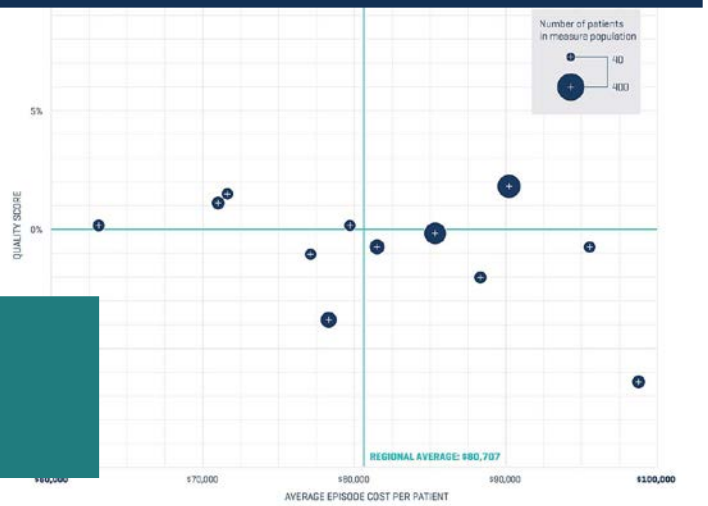


4: End of Life

1A: Recommended Treatment



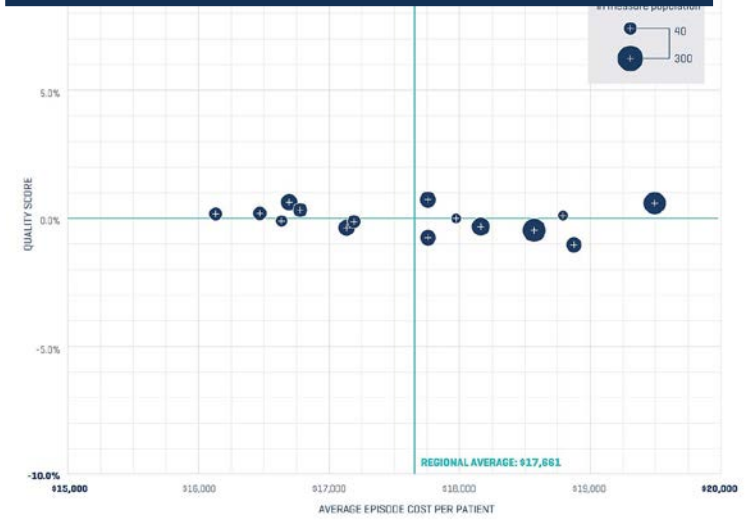
1B: Recommended Treatment (Breast)



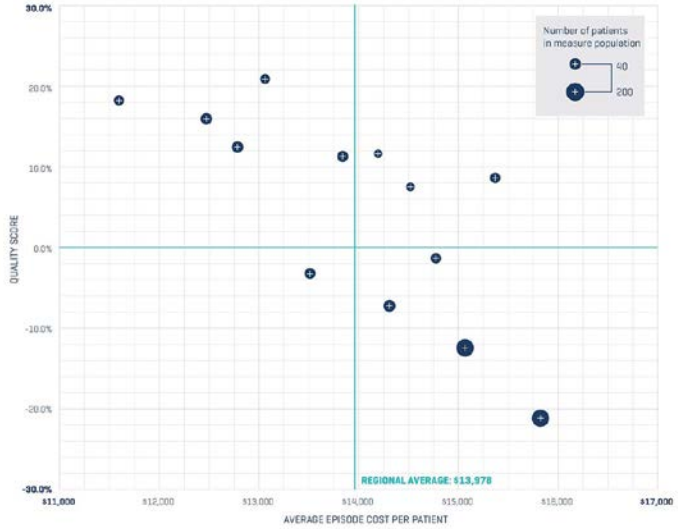
Low variation in quality
High variation in cost

2: Chemo Hospitalization

3A: Follow-Up Imaging



3B: Follow-Up Testing (Breast)



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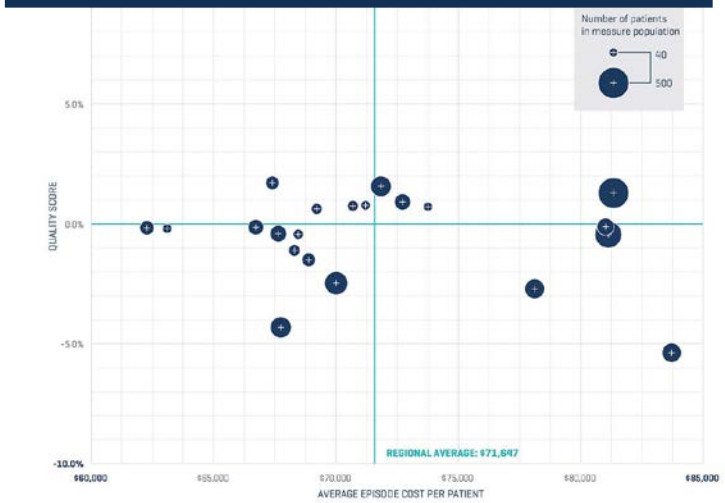

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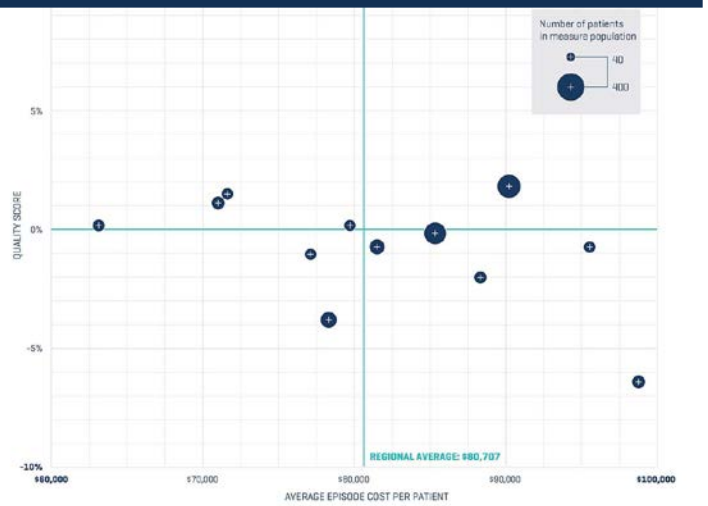

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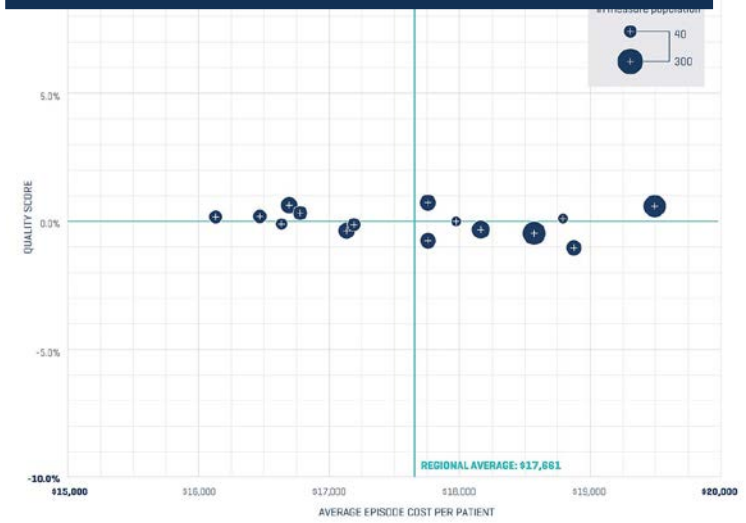

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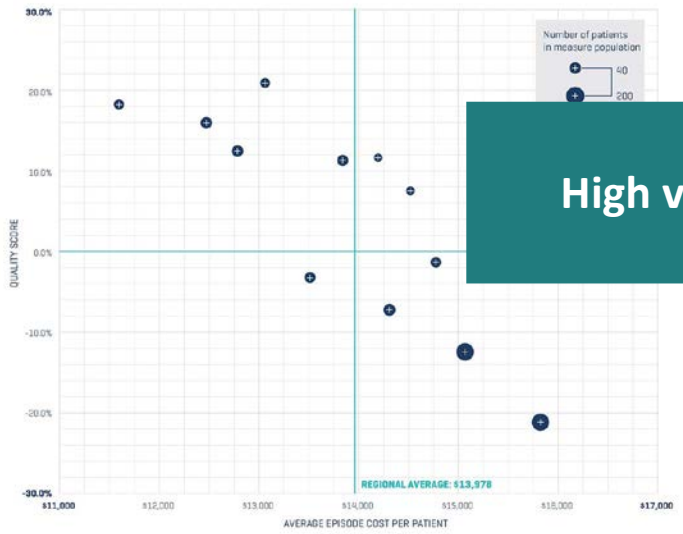


4: End of Life

High variation quality and cost

2: Hospitalization during chemotherapy

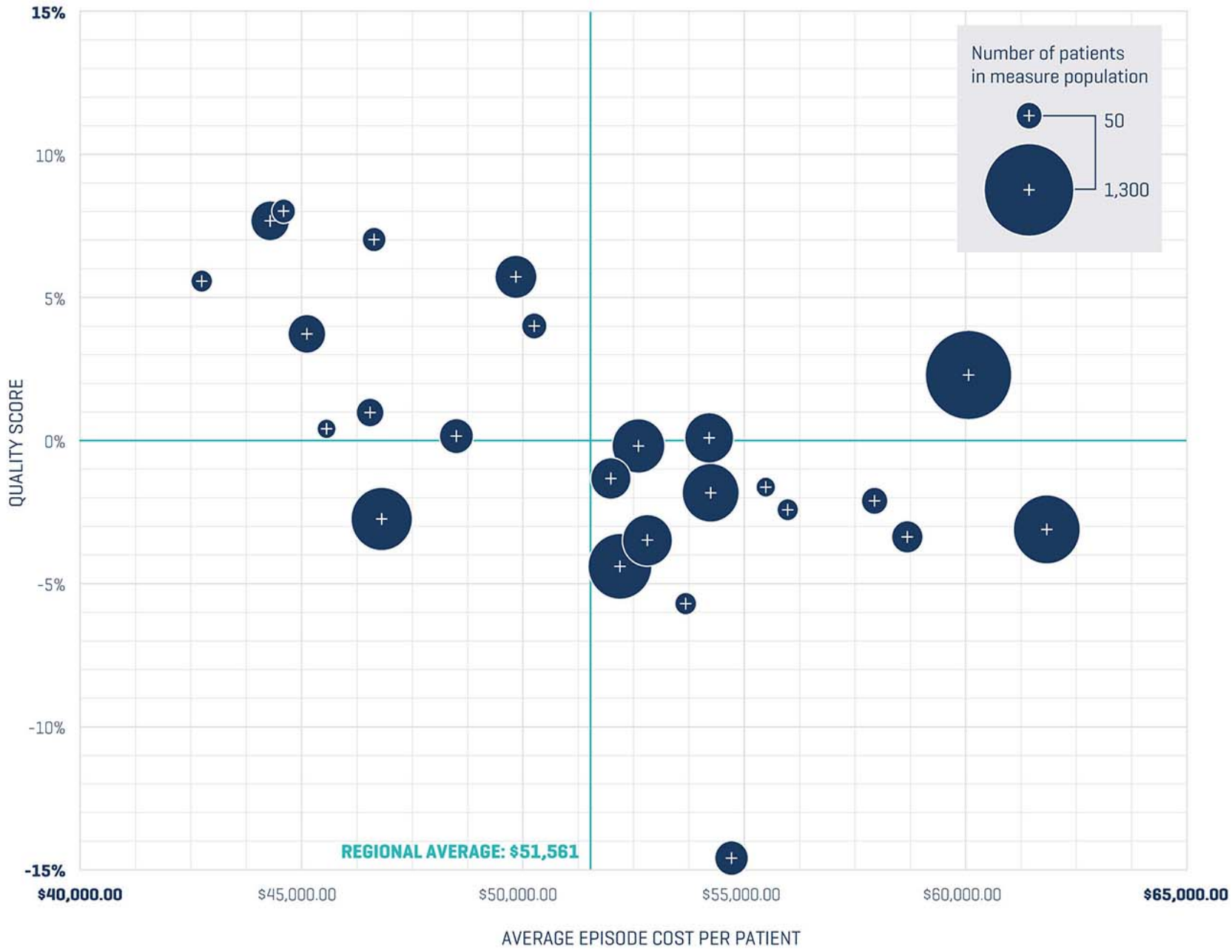
Regional average cost: **$51,561**

Follow-up episode average length: **168 days**

Cost range: **$19,090**

The quality score: difference of **22.6%**

Strong negative relationship, suggesting that efforts to improve quality may also lower costs.



3B: Follow-up testing after breast cancer treatment

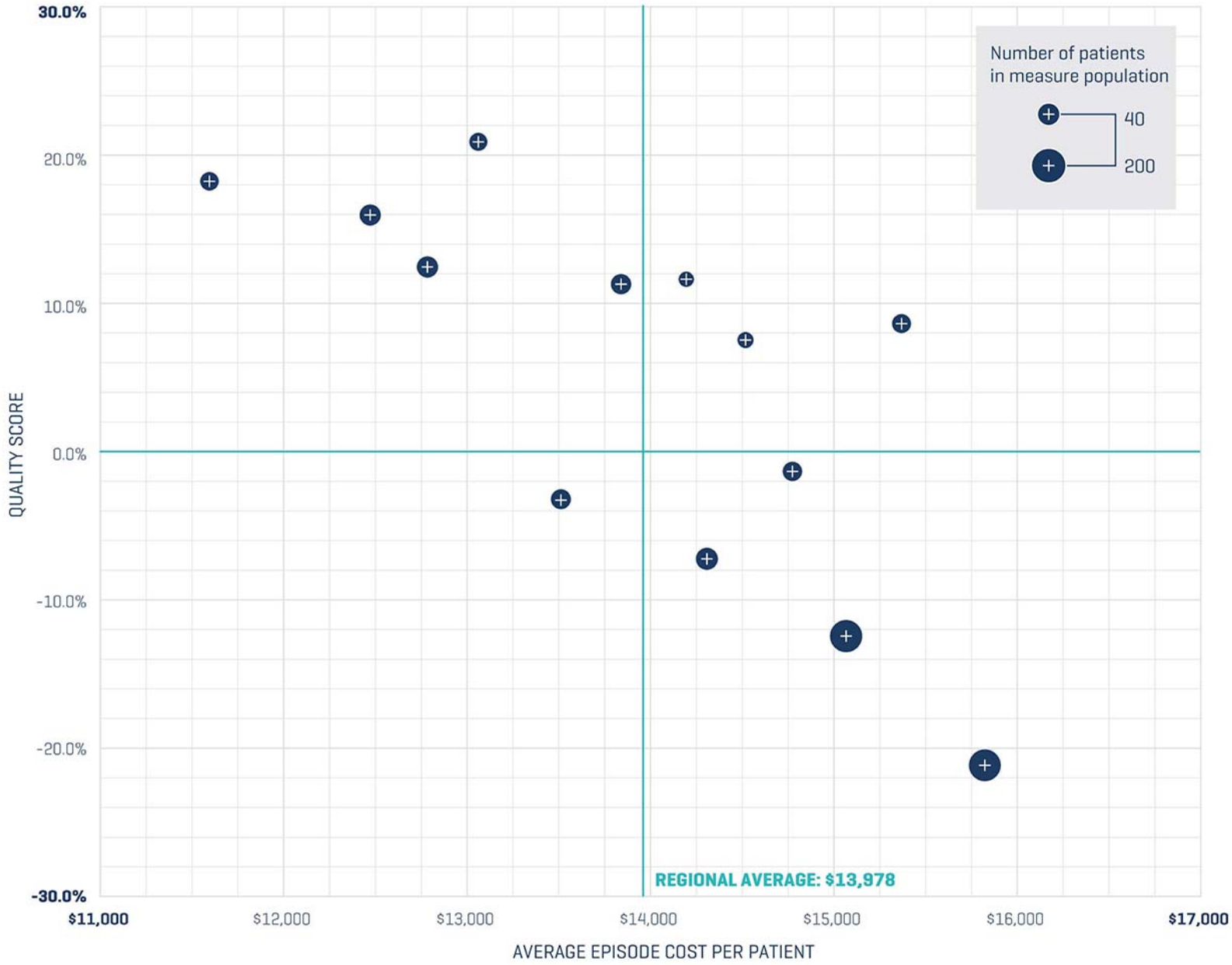
Regional average cost: **$13,978**

Follow-up episode average length: **388 days**

Cost Range: **$4,219**

The quality score: difference of **42.1%**

There is a strong negative relationship: indicating higher quality is associated with lower costs.



4: End of life care

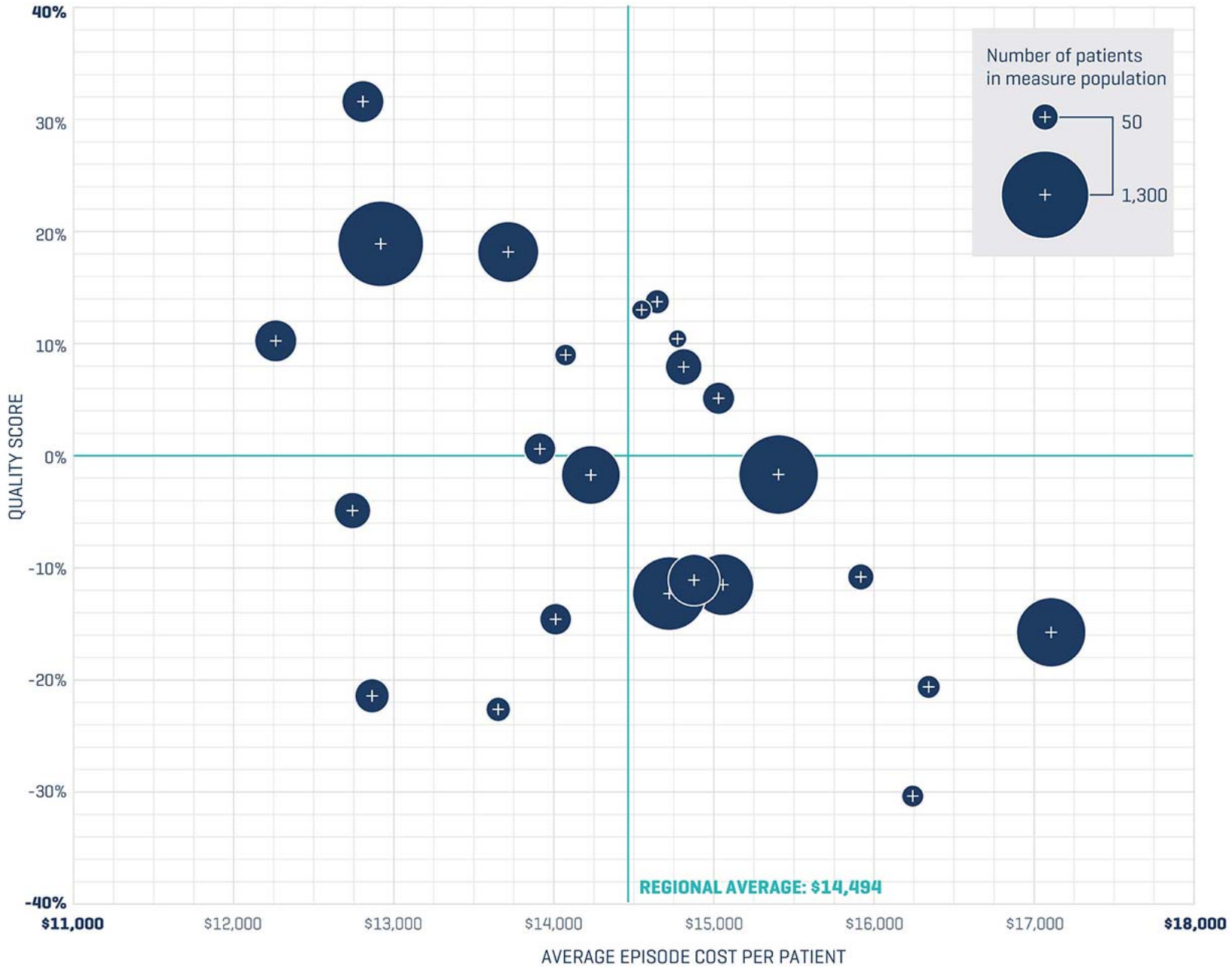
Regional average cost: **$14,494**

Last 30 days of life

Cost range: **$4,832**

The quality score: difference of **61.8%**

There is a strong negative relationship: indicating higher quality is associated with lower costs.



Making Measurement Matter: Our Strengths

- Partnerships
- Strong community engagement
- Comprehensive, current data asset

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Making Measurement Matter:
What do we need to create change?

- Innovative ideas
  - Capitalize on unique science and technology environment in Washington state
- Novel partnerships and resources to leverage the ideas
  - Flexible funding
- Willingness to pilot test novel approaches
  - Implement strategies that work
  - Move on from approaches that don't work
  - Hold fast to the goal of making cancer care better

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Collaboration across organizations, fields, and geography is necessary to create solutions to address challenges in cancer care

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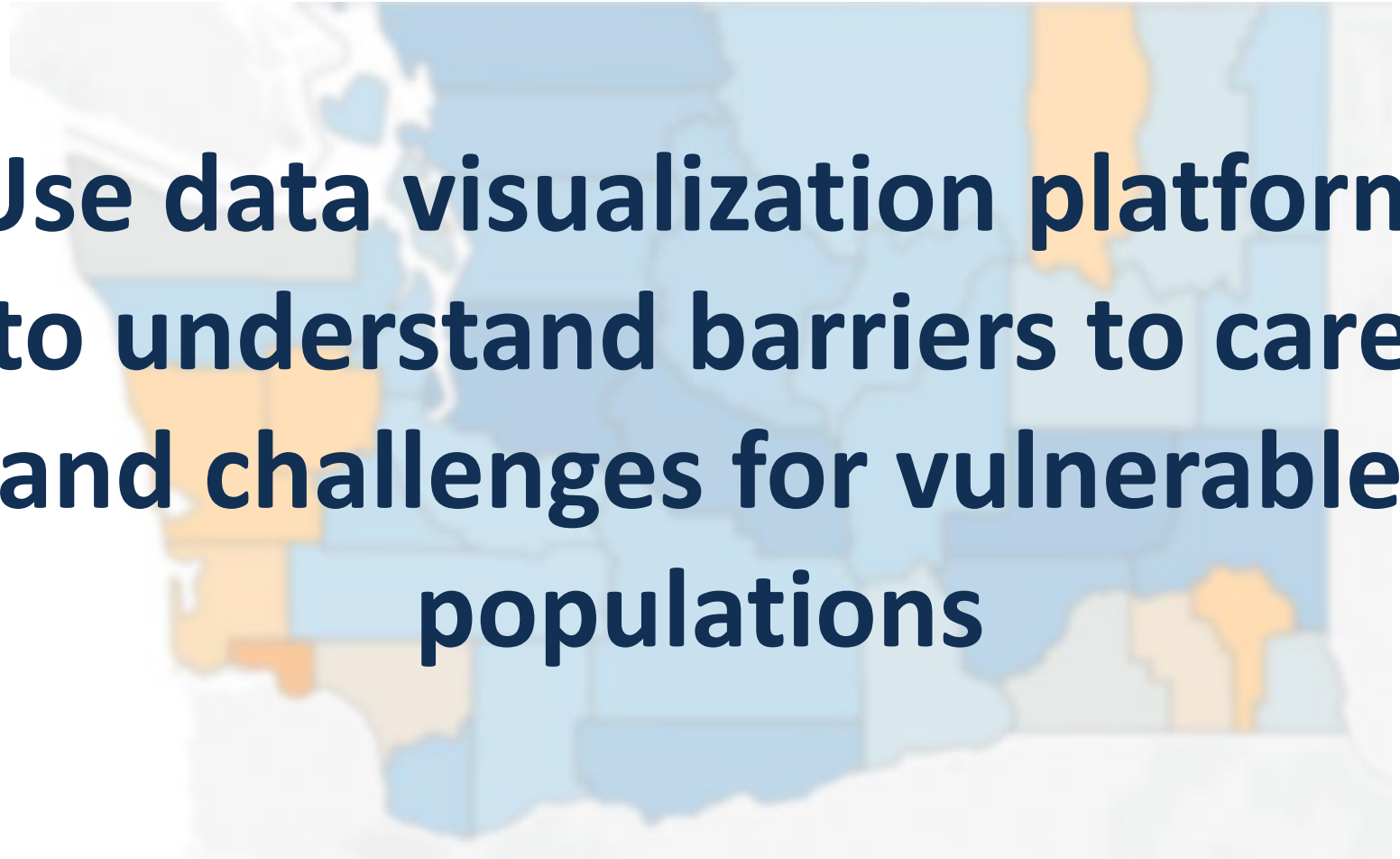

Use data visualization platform to understand barriers to care and challenges for vulnerable populations

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Microsoft

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Use AI, machine learning and biosensors for early identification of treatment-related symptoms to reduce ER visits during chemotherapy

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Thank you to the Community Cancer Care Report team

- Catherine Fedorenko
- Karma Kreizenbeck
- Laura Panattoni
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- Greg Warnick
- Judy Nelson
- Jim Woolace

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