

Mission



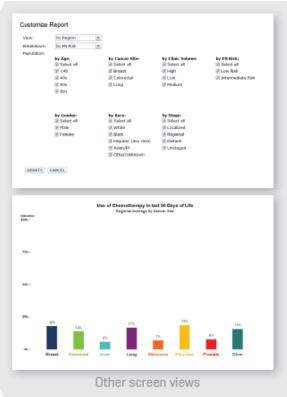
Eliminate cancer and related diseases as causes of human suffering and death.



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

Community Reporting HICOR IQ



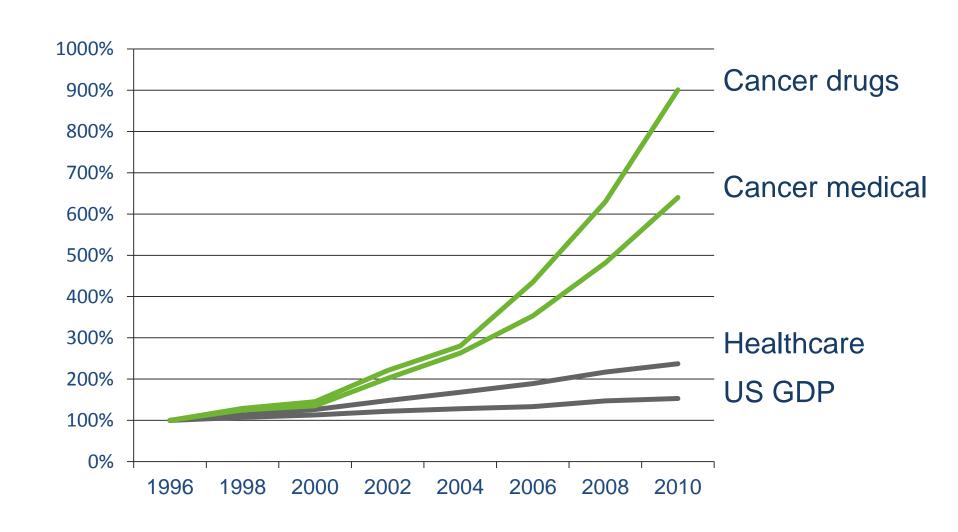


Why HICOR? Why now?

Patients are bearing an ever-increasing share of the expense, causing a new side effect called financial toxicity

There's great
variability in cost and
quality of cancer
treatments across the
health
care system

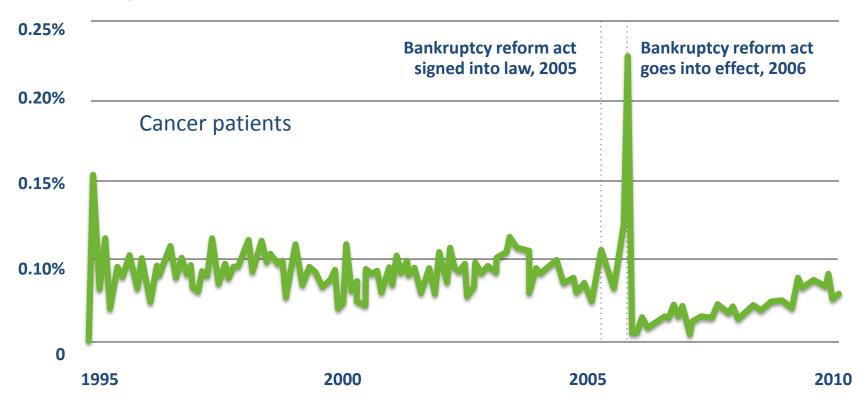
Rising cancer care costs



Risk for Financial Toxicity

Cancer patients have higher rates of bankruptcy than non-cancer patients

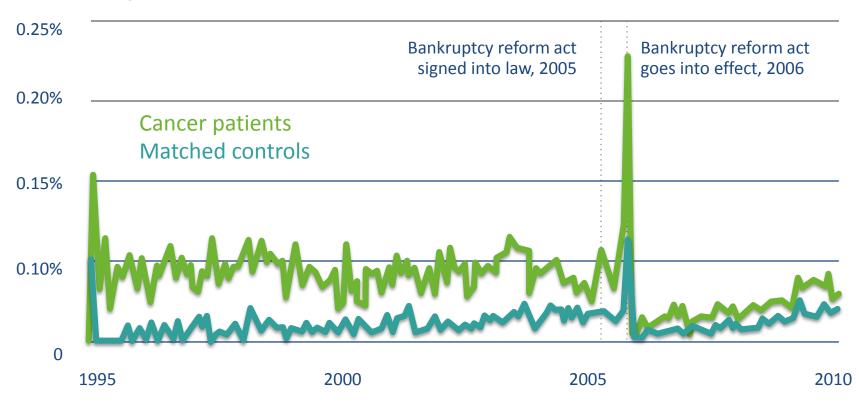
Percent filing for bankruptcy



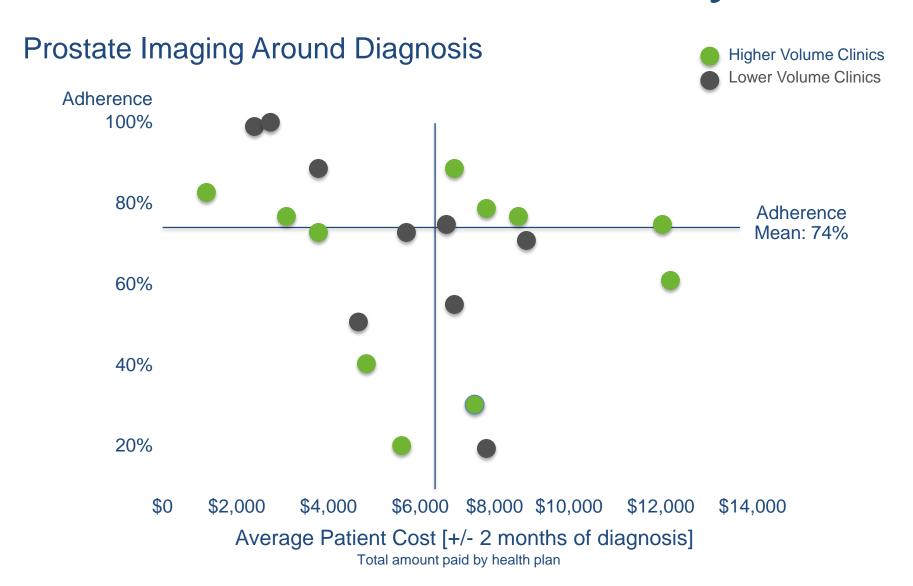
Risk for Financial Toxicity

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Percent filing for bankruptcy



Variation in Care Quality



Strategies: Data-driven community engagement to improve care



How we work

- Treatment patterns
- Guideline adherence
- Utilization
- Cost
- Survival
- Benchmarking relative to region

 Evaluate expected change in practice patterns, patient outcomes, costs, and value



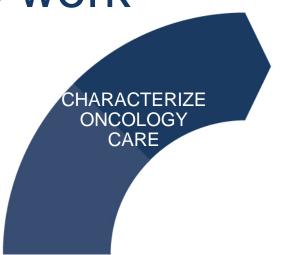
- High variation in well defined treatment settings
- Low-value care
- Poor patient outcomes

- Provider & patient behavior change
- Delivery system process change
- Financing models
- Incentives



How we work

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Provide patients, payers, providers and health systems with transparent information to support decision-making in cancer care.

First step in a community process to improve value

Metrics Across Phases of Cancer Care

Care

Diagnosis

Treatment

Continuing End-c

End-of-Life

Prostate:
Advanced imaging for staging (Choosing Wisely)

Colony
Stimulating
Factor (CSF)
use
(Choosing
Wisely)

Breast: Advanced imaging and tumor marker testing in surveillance [Choosing Wisely]

Use of:
Chemo/Radiation
Advanced imaging
Hospital use
Hospice use

Breast:
Advanced imaging for staging (Choosing Wisely)

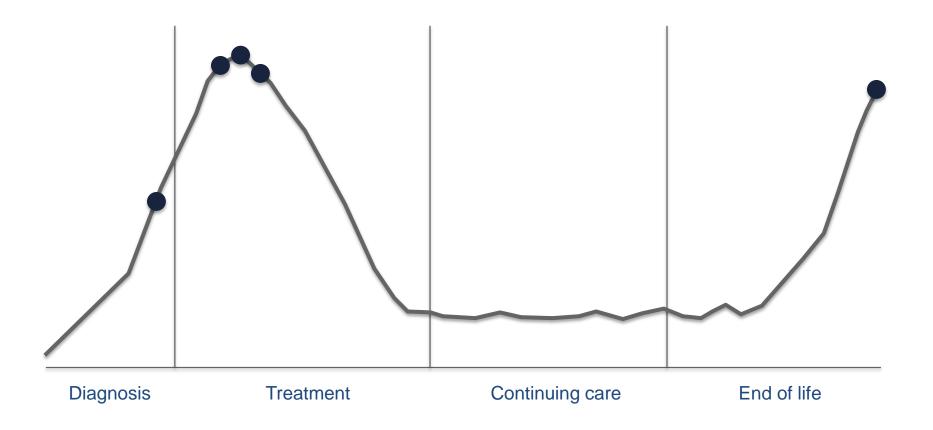
Hospital use during chemotherapy or radiation therapy

Hospital use following surgery

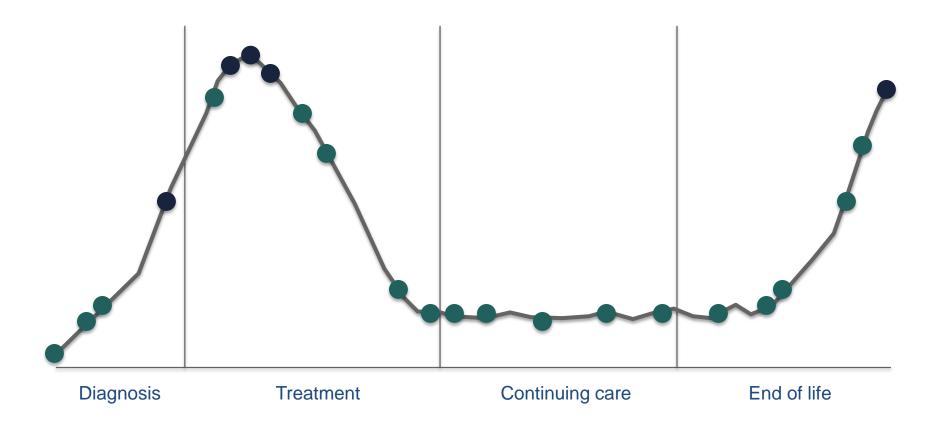
Place of death

The patient story

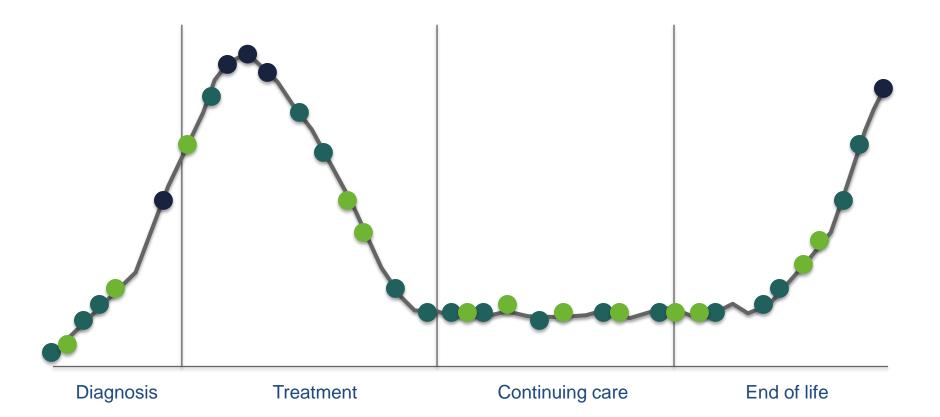
CANCER REGISTRY, pathological outcomes



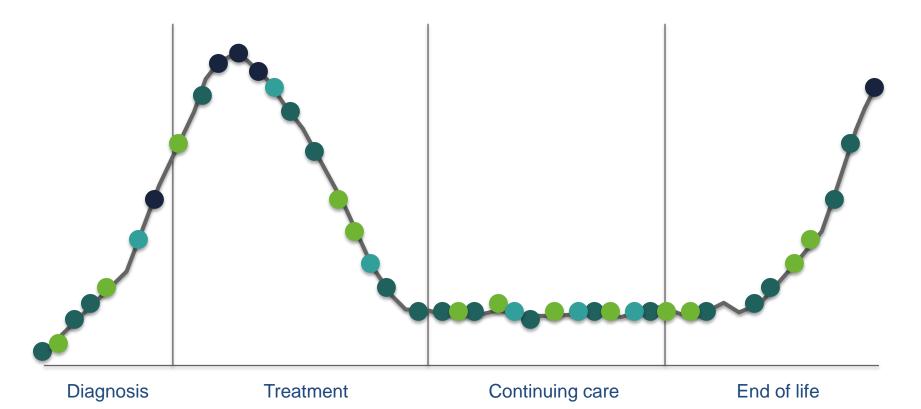
- CANCER REGISTRY, pathological outcomes
- CLAIMS, utilization and costs



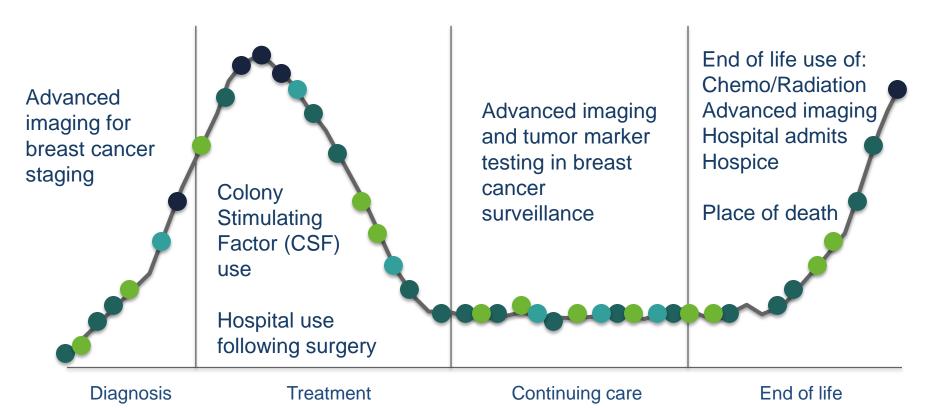
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- EMR (Electronic Medical Forms), clinical results



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- PROs (Patient Reported Outcomes) quality of life and patient experience



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Current data sources: claims + registry

Linking Data Sources

The Database

HEALTH CARE CLAIMS

DATES
January 1, 2007 –
May 31, 2014

POPULATION Premera: 1.2M

Regence: 4.3M

Linking Data Sources

The Database

HEALTH CARE CLAIMS

DATES
January 1, 2007 –
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POPULATION Premera: 1.2M Regence: 4.3M CANCER REGISTRY RECORDS

DATES
January 1, 2007 –
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POPULATION
CSS Registry: 13 counties
In Western WA

Linking Data Sources

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HEALTH CARE CLAIMS

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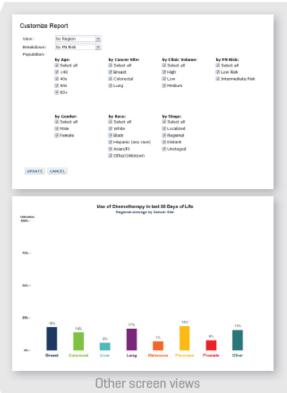
POPULATION
CSS Registry: 13 counties
In Western WA

66,000+ cancer patients linked between the two data sources Almost 25,000 patients enrolled at time of diagnosis

Tool: Oncology Informatics Platform

Community Reporting HICOR IQ





HICOR IQ_{BETA}

HICOR's oncology informatics platform

- Provides interactive reports of regional performance metrics
- Allows for exploration of regional and clinic-level variation of metrics



Help ▼ kkreizen ¬

Value in Cancer Care

Home

Reports The Database

Contact Us

Welcome to HICOR's Regional Oncology Informatics Platform

Vision

Provide patients, payers, providers and health systems with transparent information to support decision-making in cancer care. We view performance reporting as a first step in a community process to improve value in cancer care.

Please provide feedback on HICOR IQ Beta.

The initial launch includes a limited initial set of regional performance reports based on ASCO/ABIM 2012 Choosing Wisely Recommendations, generated from the HICOR cancer registry-health insurance claims linked Database.

Please provide feedback here: https://www.surveymonkey.com/s/HICORIQ

Future HICOR IQ iterations will include:

- Expanded data sources including electronic medical records and patient reported outcomes
- Additional data providers pavers, health systems and patients
- Expanded set of performance measures based on regional consensus
- Expanded functionality including partner-specific views

Contact us at hicorIQ@fredhutch.org with suggestions or questions

View Reports





Links

Home

Reports

The Database

Contact Us



Value in Cancer Care

Home Reports The Database Contact Us

Reports *

name, category, etc.	Mine
Name	Modified
□ Diagnosis	
អ្ន Use of Advanced Imaging for Staging Breast Cancer	2015-03-26
ង្ខ Use of Advanced Imaging for Staging Prostate Cancer	2015-03-26
Treatment Treatment	
ង្ខា Colony-Stimulating Factor Use in Low and Intermediate FN Risk Chemotherapy	2015-03-26
Continuing Care	
ង្ខា Use of Advanced Imaging for Breast Cancer During Surveillance Period	2015-03-26
ហ្ន Use of Testing for Breast Cancer During Surveillance Period	2015-03-26
្នា Use of Tumor Markers for Breast Cancer During Surveillance Period	2015-03-26
End of Life	
ក្នុ Use of Chemotherapy in last 30 Days of Life	2015-03-26
ង្ខា Use of Chemotherapy or Radiation Therapy in last 30 Days of Life	2015-03-26
ម្នា Use of Radiation Therapy in last 30 Days of Life	2015-03-26

Links

Home

Reports

The Database

Contact Us

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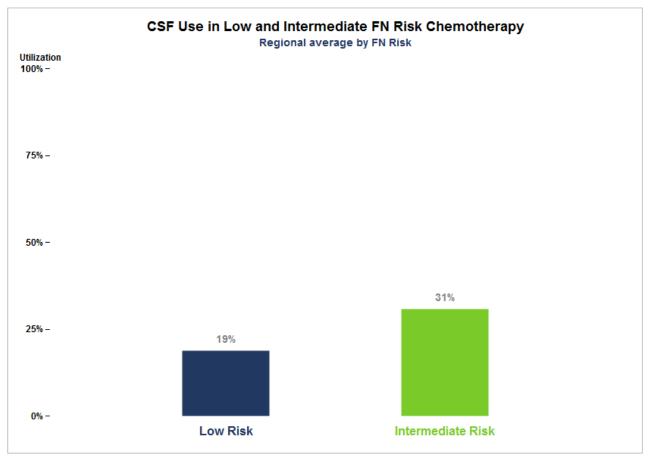
Home

Reports

The Database | Contact Us

HICOR Reports > CSF Use in Low and Intermediate FN Risk Chemotherapy

CUSTOMIZE REPORT DOWNLOAD GRAPH



Population Size: 1,654 patients Population Filters: None

For more information about the methods used to create this visualization please read this documentation



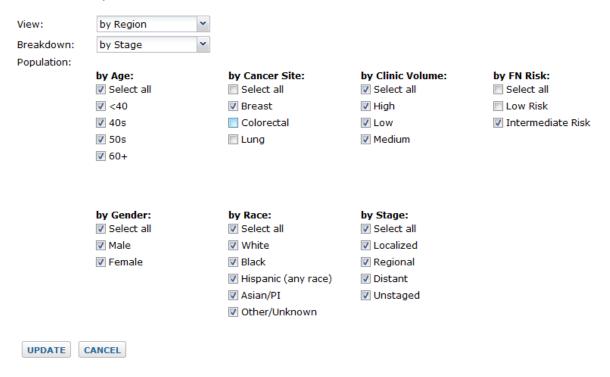
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Home Reports The Database Contact Us

HICOR Reports > CSF Use in Low and Intermediate FN Risk Chemotherapy

Customize Report



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Home

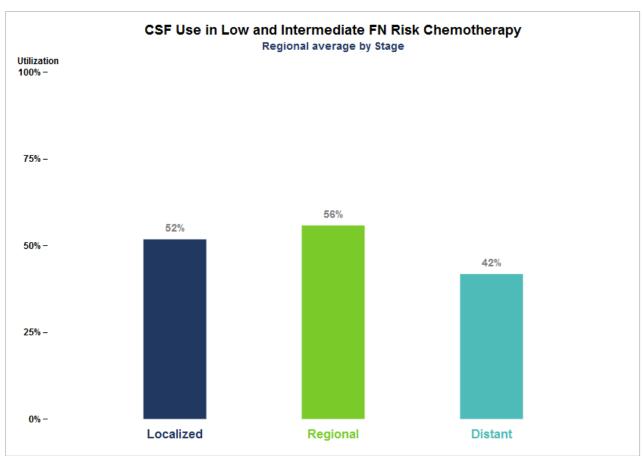
Reports

The Database

Contact Us

HICOR Reports > CSF Use in Low and Intermediate FN Risk Chemotherapy





Population Size:

399 out of 1,654 patients

Population Filters:

Cancer Site - Breast

FN Risk - Intermediate Risk

Excluded due to population size restrictions:

- Unstaged

For more information about the methods used to create this visualization please read this documentation



Help (default) ▼

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Home

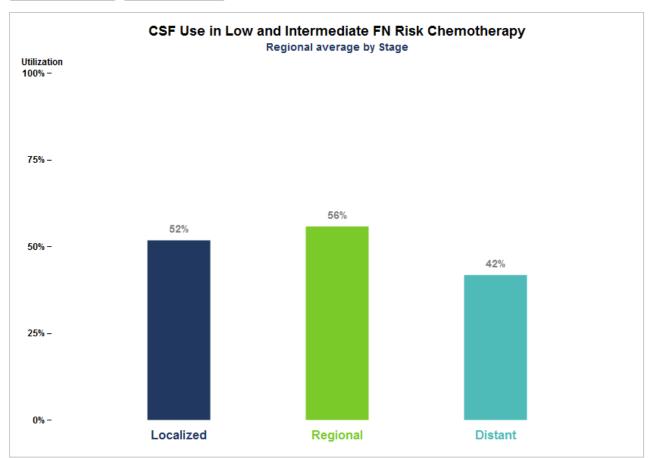
Reports

The Database

Contact Us

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HICOR IQ: Neutral, trusted, accessible datasource for identifying opportunities to improve care



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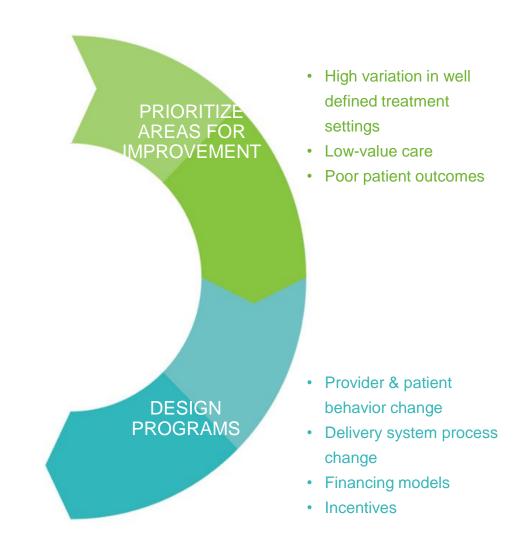


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How we work



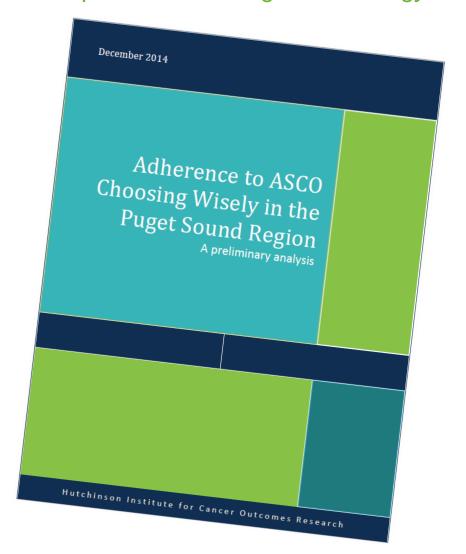
Choosing Wisely Regional Reporting

In December 2014, HĪCOR held a Premera-sponsored meeting with oncology

practices to share results

Participants

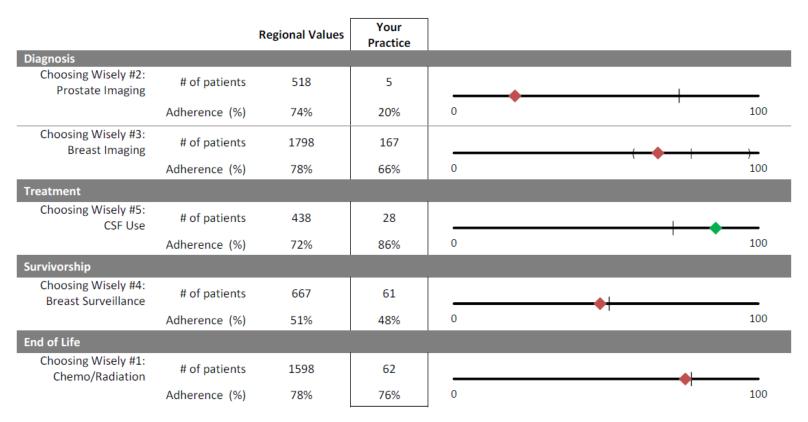
- HICOR
- Premera
- Stanford University
- Cancer Care Northwest
- Everett Clinic
- MultiCare
- Northwest Medical Specialties
- Overlake Hospital
- Providence
- Proliance
- Seattle Cancer Care Alliance
- Skagit Valley Hospital
- Swedish Cancer Institute
- University of Washington
- Virginia Mason



Oncology Practice Reports

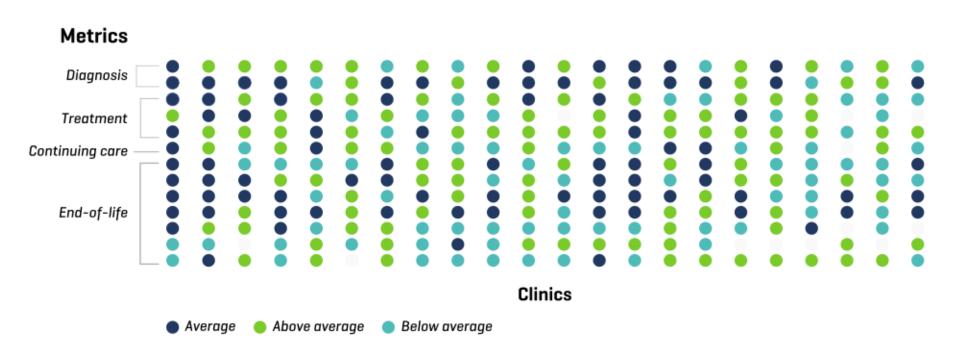
In addition to the Regional Report, oncology practices received their own clinic-specific data

Clinic specific information was shared with practices at the conclusion of the December 2014 meeting



Opportunity to learn from each other

No one clinic is consistently above average or below average in all areas



Note: Clinics defined as average are those that fall within + or - 3 % points of the regional average.

Where are we going?



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Value in Cancer Care

Home

Reports The Database

Contact Us

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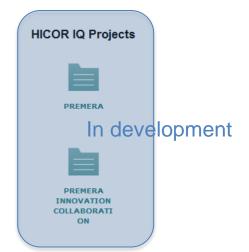
Links

Home

Reports

The Database

Contact Us



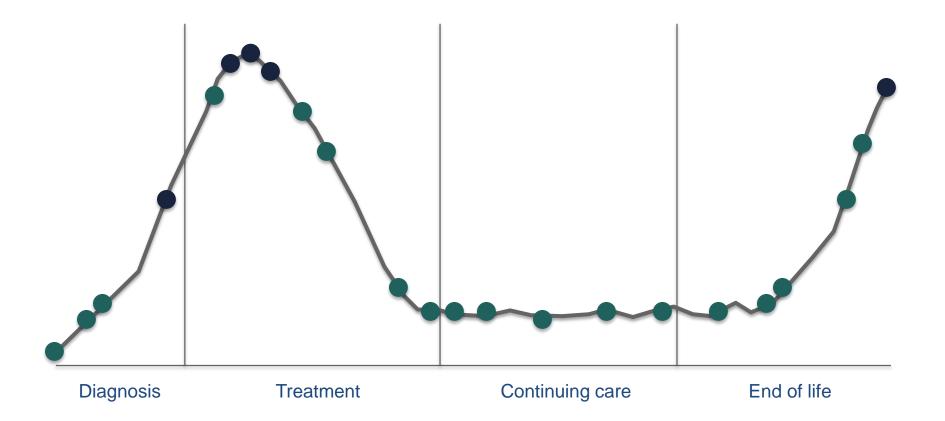




The patient story

- CANCER REGISTRY, pathological outcomes
- CLAIMS, utilization and costs

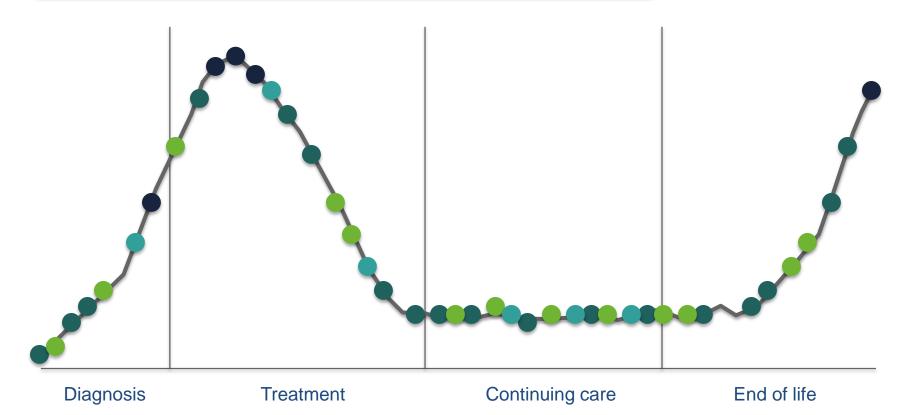
Current database



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Example: MPower



Goals for HICOR IQ

Expand the flexibility of the tool

Integrate community feedback



Summary



Partnership with LabKey to achieve goals of data transparency has included:

- Both out-of-the box software and custom development
- User interviews/feedback throughout the development process
- Collaboration on data visualization

Together we have developed a tool to get actionable data to healthcare decision-makers