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Washington State Health Care Authority

Washington State's largest health care purchaser



- We purchase health care for more than 2.5 million Washington residents through:
 - Apple Health (Medicaid)
 - ► The Public Employees Benefits Board (PEBB) Program
 - ► The School Employees Benefits Board (SEBB) Program

We purchase care for 1 in 3 non-Medicare Washington residents.



Our approach to health care purchasing



- Transforming care: better health and better care at a lower cost
- Whole-person care: integrating physical and behavioral health services
- Using data-informed evidence to make purchasing decisions





HCA Value-Based Purchasing Roadmap



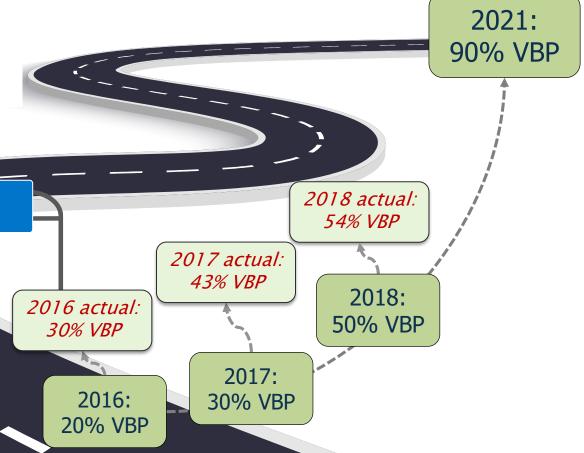
HCA's vision is to achieve a healthier Washington by:

- Aligning all HCA programs according to a "One-HCA" purchasing philosophy.
- Holding plan partners and delivery system networks accountable for quality and value.
- Exercising significant oversight and quality assurance over its contracting partners and implementing corrective action as necessary.

MEDICAID

PEBB

SEBB





Our approach to clinical quality



- Goal: One evidence-informed standard of care that guides clinical decisions across Apple Health (Medicaid), PEBB, and SEBB.
- What we do:
 - ► Ensure health plans use science-backed standards to provide the most effective care
 - Design innovative pilot projects for critical issues like chronic disease management and the opioid crisis
 - Purchase health care using standardized methods to improve efficiency while increasing the quality of care
 - Measure and improve clinical quality using national and state measurement systems, evaluation, and analytics

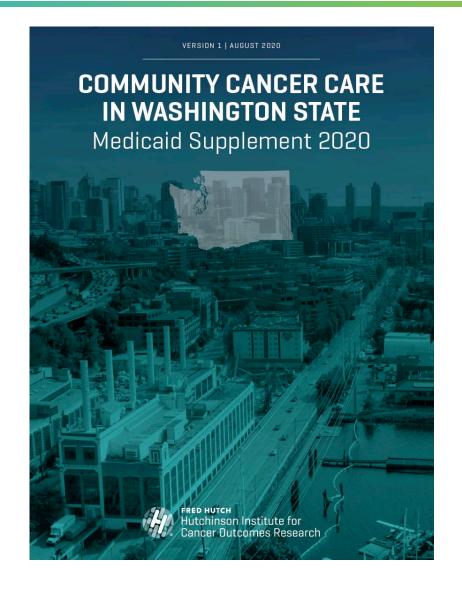


Medicaid Supplement 2020

 The 2018 and 2019 Community Cancer Care Reports excluded Medicaid patients

 This Supplement compares Medicaid and commercially insured cancer patients

Results are reported at the state level





What We Know

 Disparities in socioeconomic status (SES) impact stage at cancer diagnosis and survival

 Prior studies suggest differences in care and outcomes in Medicaid versus non-Medicaid cancer patients ^{1, 2, 3}



^{1.} Ellis L, Canchola AJ, Spiegel D, Ladabaum U, Haile R, Gomez SL. Trends in Cancer Survival by Health Insurance Status in California From 1997 to 2014. JAMA Oncol. 2018 Mar 1;4(3):317-323. doi: 10.1001/jamaoncol.2017.3846. PMID: 29192307; PMCID: PMC5885831.

^{2.} Pulte D, Jansen L, Brenner H. Disparities in Colon Cancer Survival by Insurance Type: A Population-Based Analysis. Dis Colon Rectum. 2018 May;61(5):538-546. doi: 10.1097/DCR.0000000000001068. PMID: 29624548.

^{3.} Parikh-Patel A, Morris CR, Kizer KW. Disparities in quality of cancer care: The role of health insurance and population demographics. Medicine (Baltimore). 2017 Dec;96(50):e9125. doi: 10.1097/MD.000000000000000125. PMID: 29390313; PMCID: PMC5815725.

Research Questions

 Are there differences in demographic and clinical characteristics in the Medicaid-insured cancer population?

 Are there differences in care quality (HICOR quality measures) between Medicaid and commercially-insured cancer populations?



Study Population

Cohort

- Adults < 65
- Enrolled in either Medicaid or commercial insurance
- Received care between 2015-2017

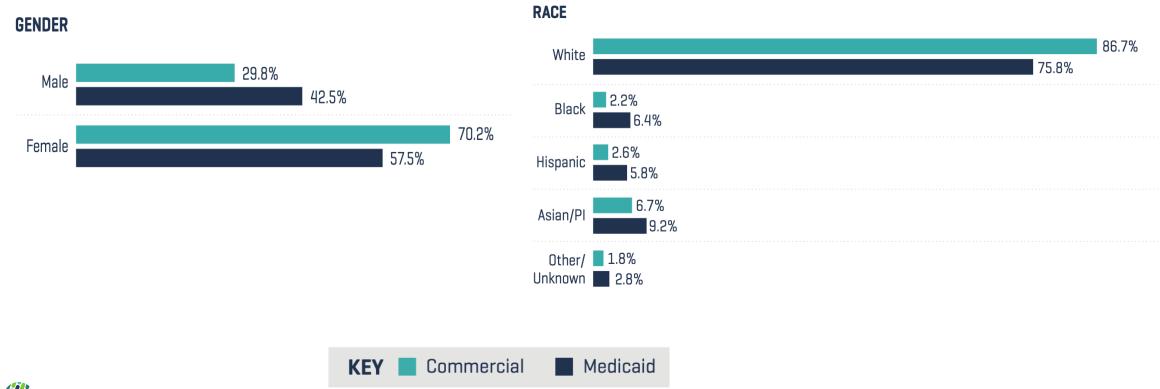
Quality Measures

- 1. Recommended Cancer Treatment for breast, lung, and colorectal cancer
- 2. Hospitalization During Chemotherapy
 - 2a. Emergency department visits
 - 2b. Inpatient stays
- 3. Follow-up Testing After Cancer Treatment
- 4. End of Life Care
 - 4a. Chemotherapy
 - 4b. 2+ Emergency Department visits
 - 4c. ICU stays
 - 4d. Hospice



Patient Level Characteristics

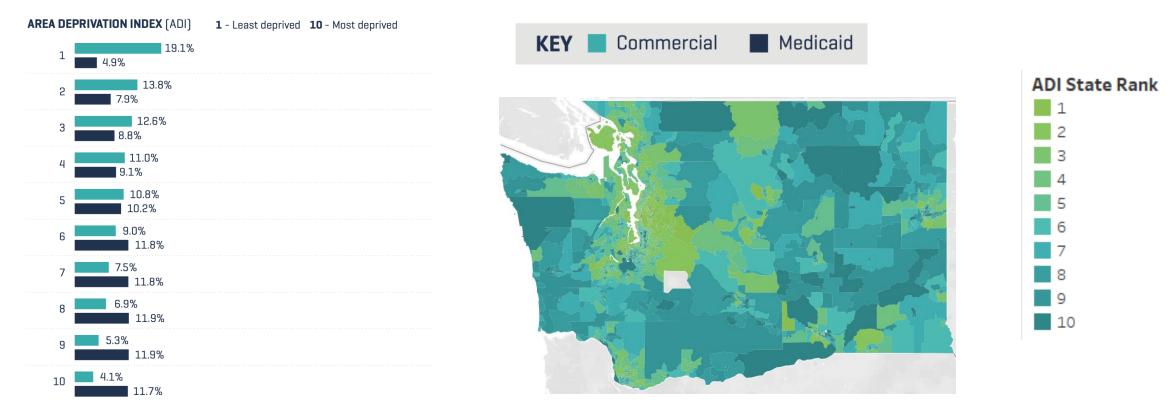
 Compared to commercially insured patients, Medicaid insured patients are more likely to be male and non-white





Patient Level Characteristics

 Medicaid insured patients are more likely to live in a more deprived neighborhood, as measured by Area Deprivation Index (ADI)

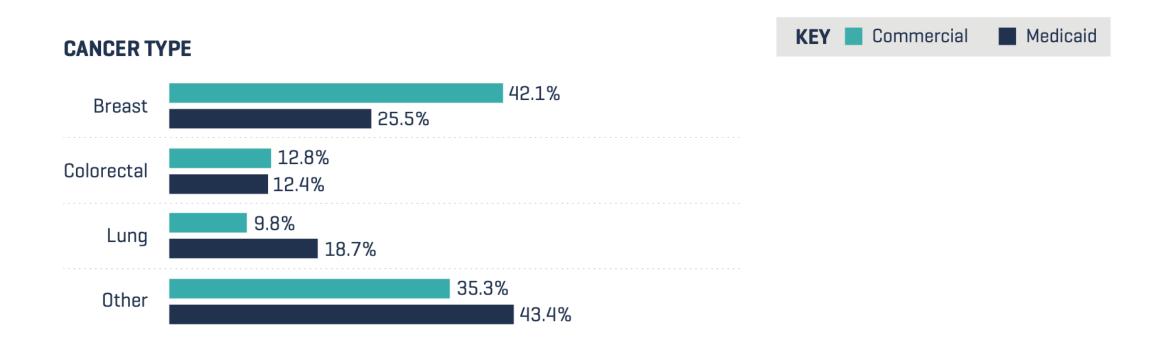


Area Deprivation Index (ADI) measures the material deprivation in a person's residence. It includes factors such as income and income disparity, education, employment, and housing costs and quality.



Clinical Characteristics

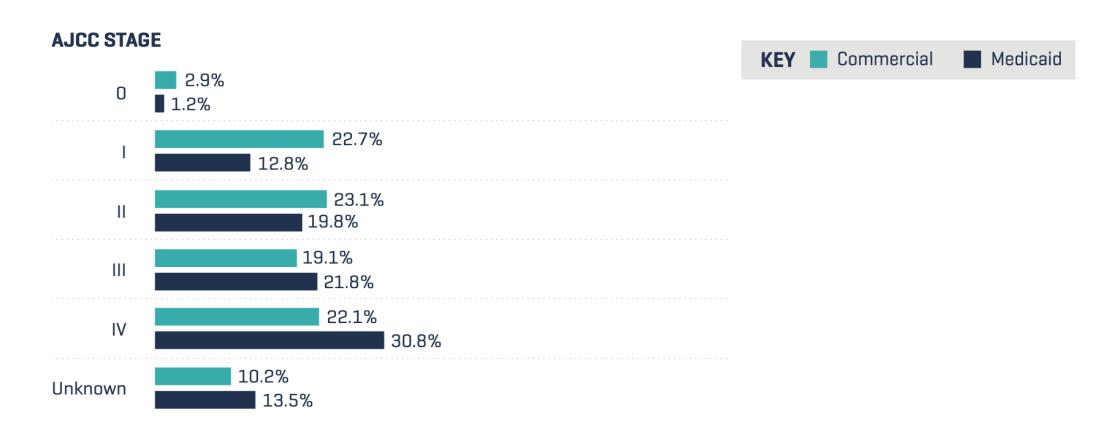
 Medicaid insured patients had higher proportions of lung cancer and lower proportions of breast cancer than commercially insured patients.





Clinical Characteristics

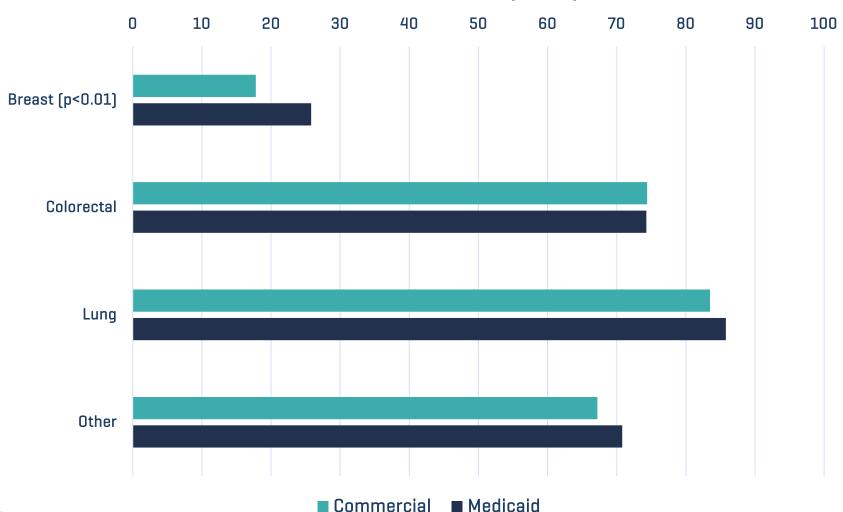
 Medicaid insured patients are more likely to be diagnosed at a later stage than patients with commercial insurance.





Stage at Diagnosis

PERCENTAGE OF CASES WITH LATER STAGE (III/IV) DISEASE



Breast cancer was more likely to be diagnosed at later stage among Medicaid patients.



Breast Cancer Screening Rates



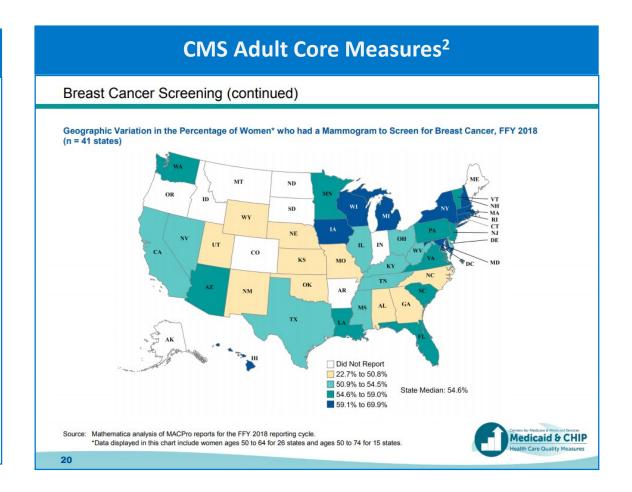
Washington Health Alliance Community Check-up1

Commercial state average: 69%

Nat'l 90th percentile for Commercial: **79**%

Medicaid state average: 51%

Nat'l 90th percentile for Medicaid: 69%



^{1 &}lt;a href="https://www.wacommunitycheckup.org/reports/2020-community-checkup-report/#Statewide%20Performance%20Compared%20to%20National%20Benchmarks">https://www.wacommunitycheckup.org/reports/2020-community-checkup-report/#Statewide%20Performance%20Compared%20to%20National%20Benchmarks

² https://www.medicaid.gov/medicaid/quality-of-care/downloads/performance-measurement/2019-adult-chart-pack.pdf



Quality Measures

Measures

- 1. Recommended Cancer Treatment for breast, lung, and colorectal cancer
- 2. Hospitalization During Chemotherapy
 - 2a. Emergency department visits
 - 2b. Inpatient stays
- 3. Follow-up Testing After Cancer Treatment
- 4. End of Life Care
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 - 4d. Hospice



Recommended Cancer Treatment

 Both commercial and Medicaid-insured patients have high levels of adherence to the metrics for receipt of recommended treatment and anti-nausea medications during chemotherapy

| Measure | Tumor site | Commercial | Medicaid | P-Value |
|--|--------------------------|------------|----------|---------|
| Recommended Cancer Treatment | Breast, lung, colorectal | 89% | 84% | <0.01 |
| | Breast | 89% | 83% | 0.01 |
| Anti-nausea medication during chemotherapy | Breast, lung, colorectal | 98% | 98% | |
| | Breast | 98% | 99% | |



Hospitalization during Chemotherapy

 Medicaid insured patients have higher rates of ED visits and hospitalizations during chemotherapy than commercially insured patients

| Measure | Commercial | Medicaid | P-value |
|---|------------|----------|---------|
| Emergency department visits during chemotherapy | 23% | 39% | <0.01 |
| Inpatient stays during chemotherapy | 27% | 37% | 0.01 |



End of Life (EoL) Care

- ICU stays were lower and hospice use was higher for Medicaid insured patients
- Chemotherapy use and ED visits were similar for Medicaid and commercially insured patients
- Patient preference for intensity of care at end of life is not measured

| Measure | Commercial | Medicaid | P-Value |
|--------------------|------------|----------|---------|
| EoL: Chemotherapy | 9% | 7% | |
| EoL: 2+ ED visits* | 18% | 20% | |
| EoL: ICU stay* | 26% | 21% | <0.01 |
| EoL: Hospice | 37% | 43% | 0.01 |



Future Research Directions: Achieving Health Equity

Future research should:

- Examine the reasons for ED visits and inpatient stays during chemotherapy and whether there are differences between commercial and Medicaid insured patients to identify actionable interventions
- Explore the drivers of differences in ICU stays and rates of hospice use at end of life
- Consider patient preferences at end of life



Future Directions: Medicaid



- Understanding the data
 - Exploring drivers
 - Reviewing benefit utilization
- Ensuring access to care
- Ongoing collaboration, engaging partners in improving care
- Advancing Shared Decision Making







The Impact of COVID-19 on Cancer Care in Washington State

Scott Ramsey, MD, PhD and Veena Shankaran, MD, MS

Director and Co-Director, Hutchinson Institute for Cancer Outcomes Research

Funding Acknowledgement





Washington State COVID-19 and Cancer Research Data Repository



Background

 Washington State: the earliest epicenter of COVID-19 in the United States

- Health care was profoundly impacted
 - Delivery systems retooled for an expected wave of COVID-19 patients
 - Elective procedures curtailed
 - Patients feared visiting health facilities
- Unprecedented public health restrictions on patients and families



Objectives for This Presentation

- Provide a preliminary snapshot of cancer care in Western Washington during the earliest months of the pandemic
 - We highlight areas where there were big differences between commercially insured and Medicaid patients
- Stimulate a dialogue among our community
 - How do you interpret our findings?
 - What should we look at next?
 - How can we act on what we see to help our patients?



What We Measured

- Time Period: March June 2020
- Care Patterns
 - Physician visits & Telemedicine
 - Treatments
 - Initial treatment
 - Time from diagnosis to first treatment
 - Number of infusions
 - Imaging
 - Distance traveled to primary oncologist
 - Place of death
- Quality Metrics
 - Hospital use during chemotherapy
 - End of life



Cancer Patient Population

- Puget Sound SEER Cancer Registry linked to insurance claims
 - Regence and Premera
 - Medicaid
 - (Medicare will be available in 2021)
- Analysis focused on patients with <u>solid tumors</u>

- 145 patients with a diagnosis of cancer and COVID-19
 - No separate reporting of care or outcomes for these patients



Characteristics at Diagnosis

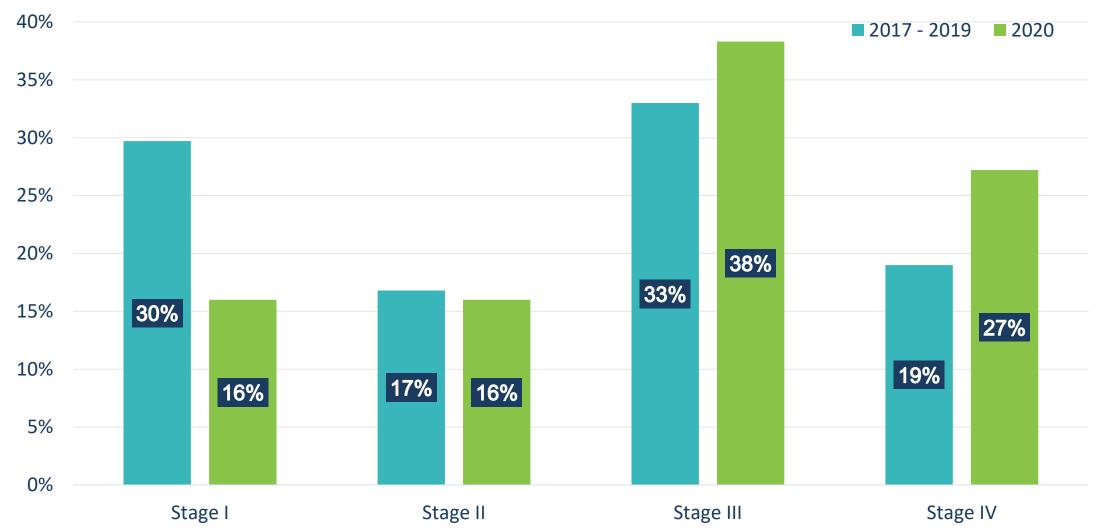
| | 2017-2019 | 2020 |
|-------------------------------------|-----------------|-------|
| Number diagnosed March through June | 1,639 (average) | 1,501 |
| Age (Mean) | 58 | 60 |
| Stage* | | |
| In situ | 17.8% | 16.2% |
| 1 | 42.5% | 40.6% |
| II | 13.8% | 10.7% |
| III | 12.4% | 13.5% |
| IV | 13.6% | 18.9% |
| Tumor | | |
| Breast | 22.2% | 19.3% |
| Melanoma | 14.4% | 10.1% |
| Prostate | 10.8% | 11.0% |
| Lung | 7.8% | 10.3% |
| Gynecologic | 7.8% | 8.6% |
| Colorectal | 6.5% | 8.1% |
| Other | 30.6% | 32.8% |

All comparisons are statistically significantly different between the time periods.

*Unstaged 37% in 2020 vs. 15% in 2017-2019



Colorectal cancers shifted to later stages



In-person visits declined, but telehealth visits increased

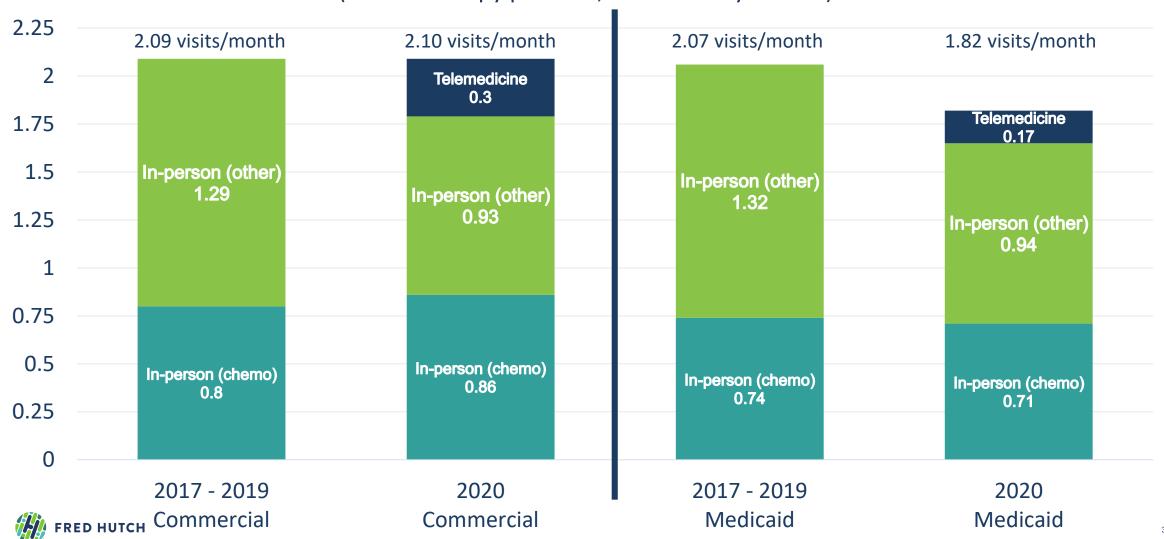
Average Number of Appointments with a Physician per Month (chemotherapy patients, visits are for any reason)



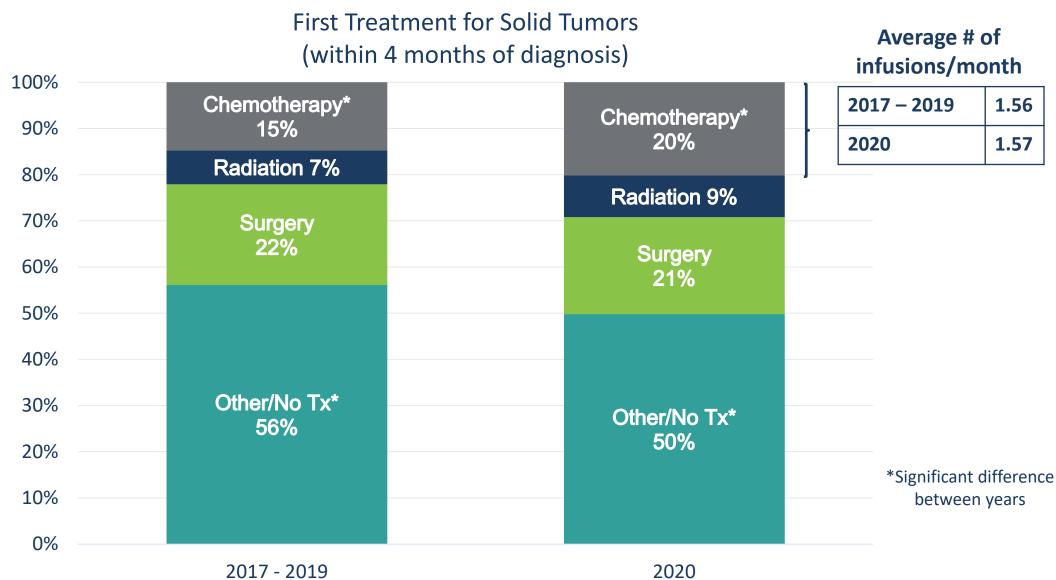


Medicaid office visits during chemotherapy fell substantially The difference was not made up by telehealth

Average Number of Appointments with a Physician per Month (chemotherapy patients, visits for any reason)



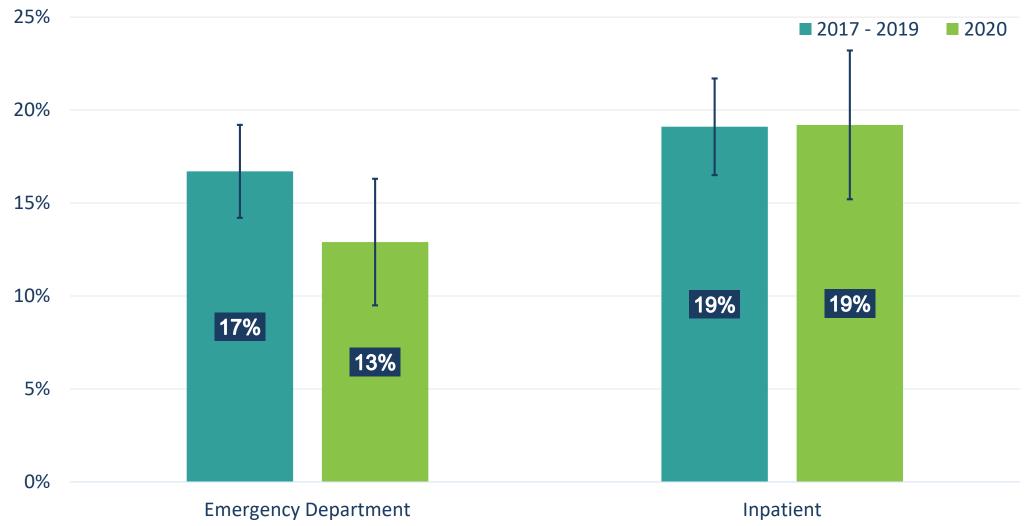
Chemotherapy increased as an initial treatment





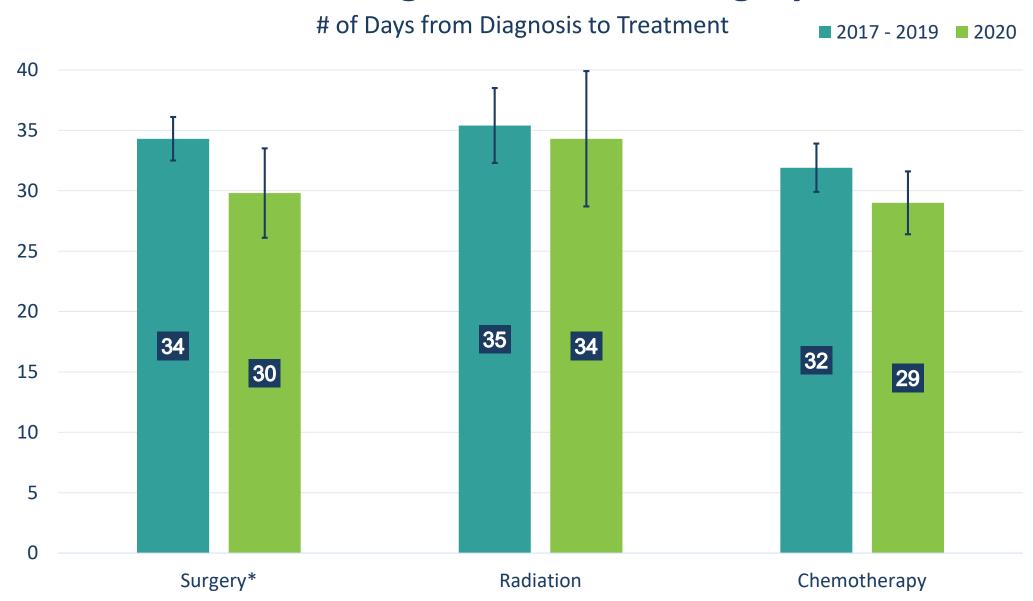
Emergency department visits during chemotherapy trended downward

% of the Population with an Inpatient Stay or Emergency Department Visit



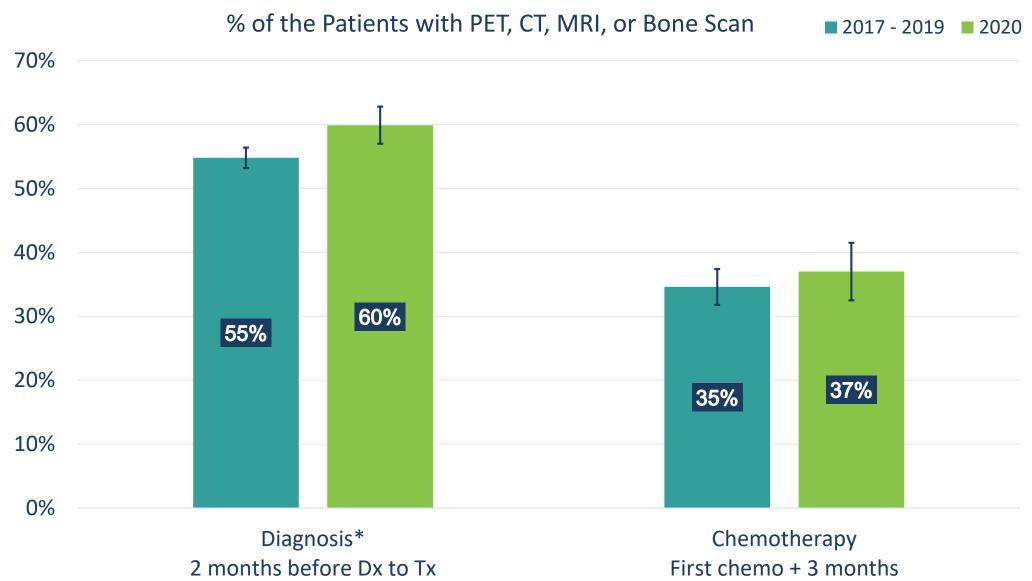


Time between diagnosis and first surgery declined



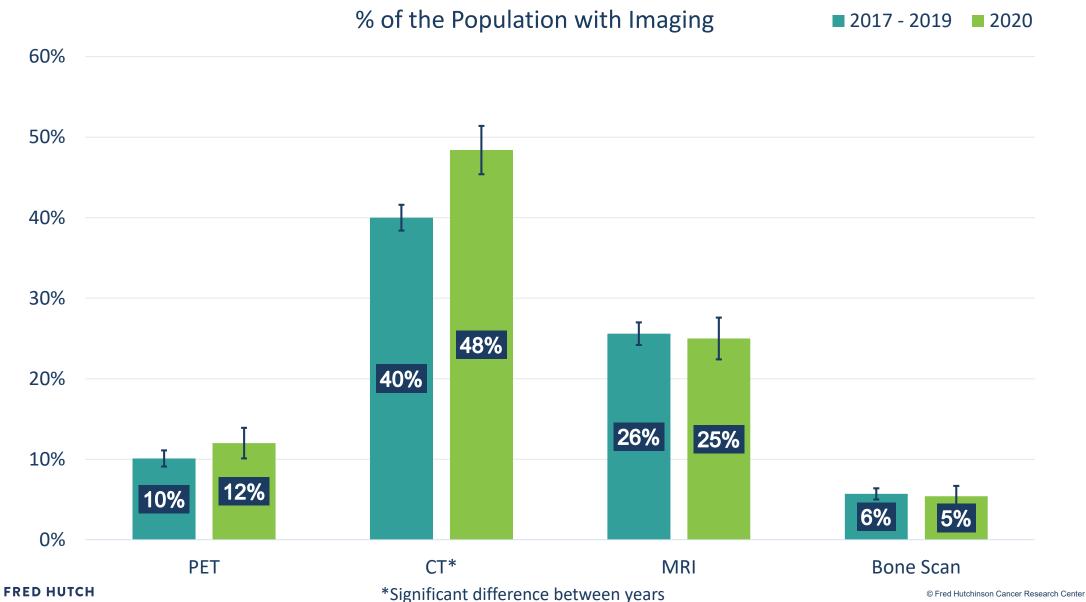


More advanced imaging was performed during diagnosis

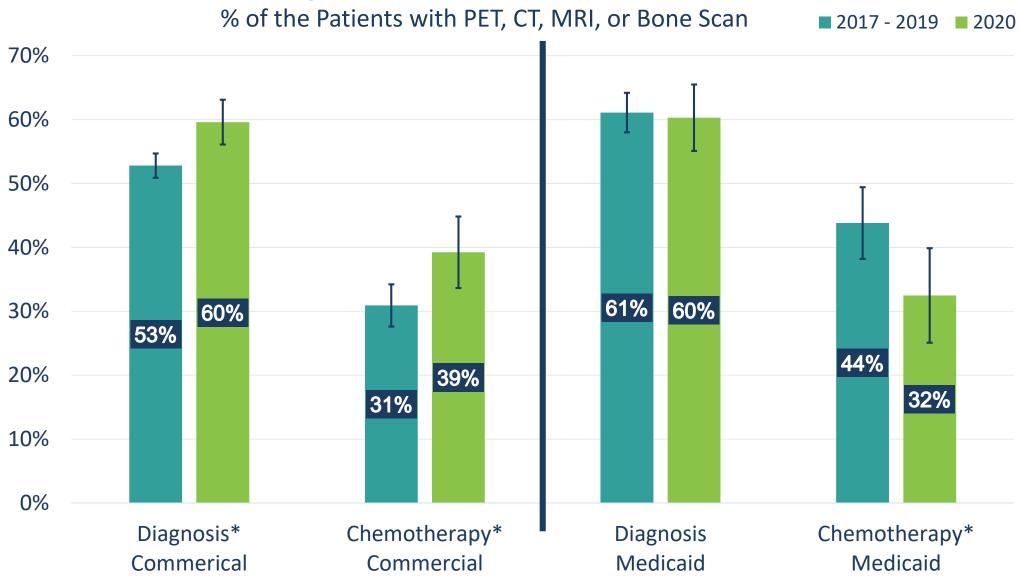




CT accounted for the bulk of the increase in imaging during diagnosis



Imaging during chemotherapy trended differently for Commercial versus Medicaid





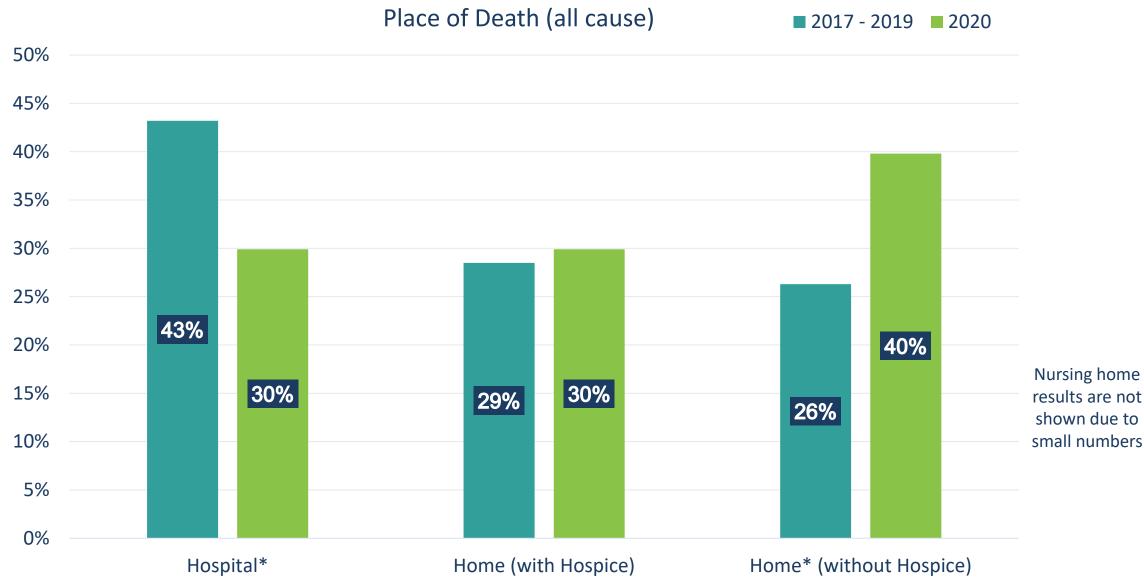
Patients' travel times did not change

 In both 2017-2019 and 2020, patients traveled on average 33 minutes to their primary oncologist

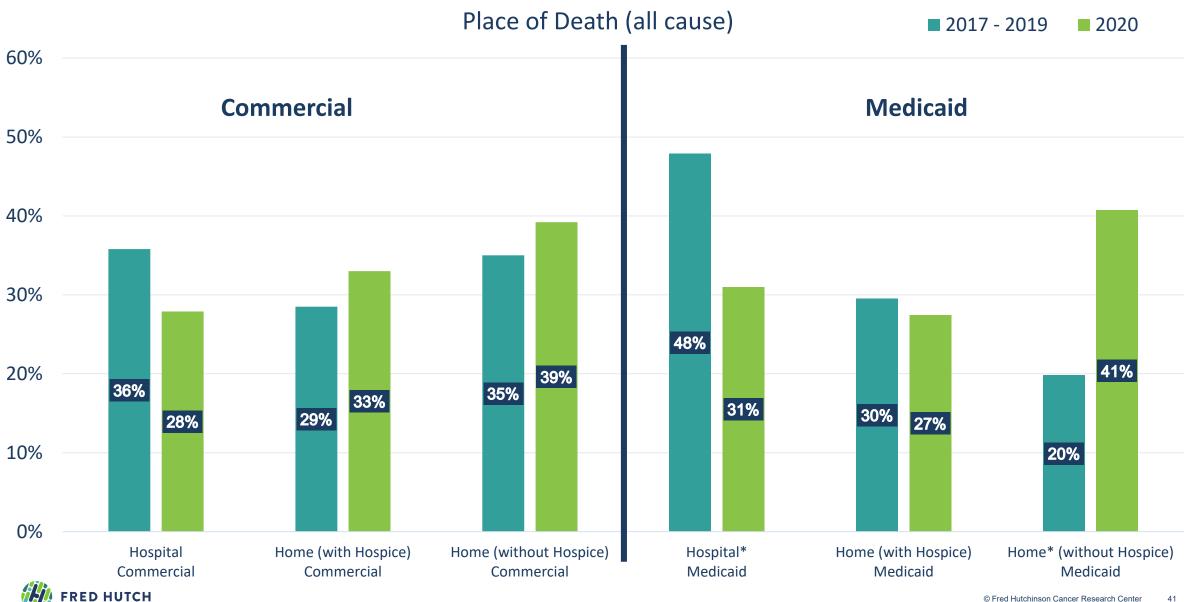
| Time to Provider | 2017 – 2019 | 2020 |
|----------------------|-------------|------|
| 0 to 20 minutes | 47% | 49% |
| 21 to 60 minutes | 42% | 39% |
| More than 60 minutes | 11% | 12% |



Patients were less likely to die in the hospital

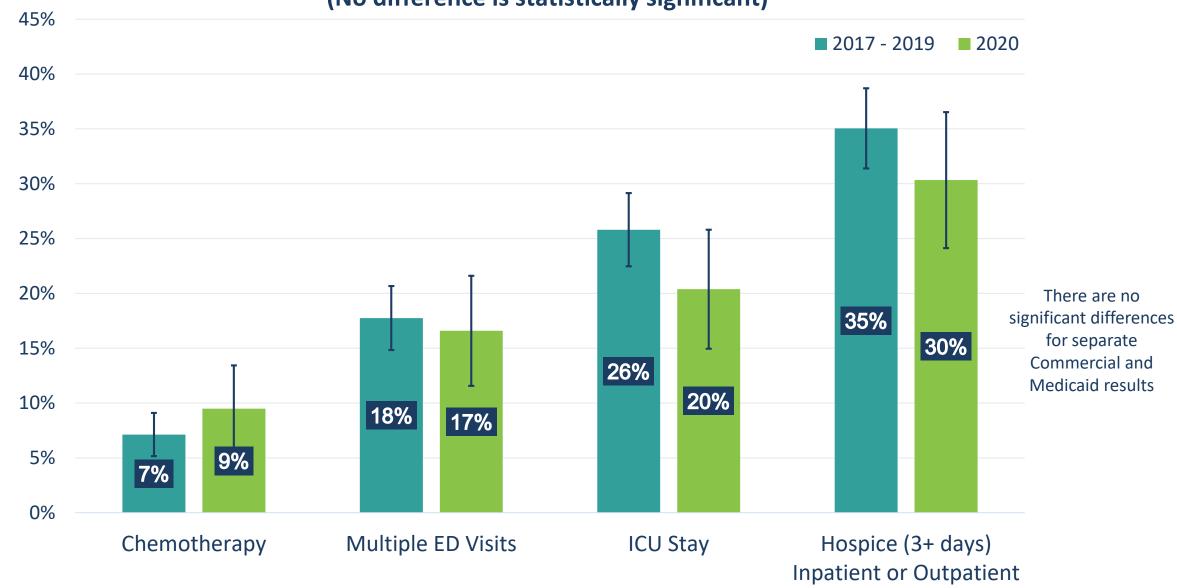


Changes in Place of Death Were Greatest for Medicaid Patients



Shifts in care at end of life

(No difference is statistically significant)





Summary and Interpretation

- Fewer patients were diagnosed with cancer, but those who were diagnosed had more advanced disease
 - Were earlier cancers less likely to be identified due to people avoiding health care?
 - There was not a consistent trend among the "screenable" cancers
- Initial care showed greater use of advanced imaging and chemotherapy
 - This may reflect the fact that patients who did come to oncologists had more advanced and complicated cancers
- Medicaid-insured patients had fewer office visits that were not replaced by telemedicine
- More people died at home versus in the hospital, but hospice use did not keep pace
 - Biggest changes occurred for Medicaid-insured patients
 - Raises concerns about the end-of-life experience



Caveats

- Metrics are a limited snapshot of the cancer patient experience during the pandemic
 - COVID-19 put enormous stresses on patients and their families (fear of infection, financial strain, restrictions on movement, social isolation)
 - No set of metrics will fully capture these challenges
- Missing: The provider experience
 - To be addressed in Phase II of the Andy Hill study!
- The database is not fully mature
 - Cancer stage at diagnosis is not fully accounted for (yet)
 - Small numbers limit our ability to test for pre/post-COVID-19 differences (May change after we add Medicare claims)



Considerations for Performance Measurement

- How to measure cancer care in the "new normal"?
 - Given the changes in care delivery e.g. telehealth
- What constraints has COVID imposed on patients and practices that should be accounted for?

 What measures (existing and new) are most useful and actionable to community?



Now it's time for your input!

- We want to hear your thoughts and experiences
- How has COVID-19 impacted
 - you (patient),
 - your practice (clinicians),
 - your health plan (insurers),
 - our healthcare system (policymakers)?

Please type your questions and comments into the Q&A section in BlueJeans



Thank you



Special Thanks to:

Catherine Fedorenko, Laura Panattoni, Lily Li, Qin Sun, Shasank Chennupati, Annika Ittes, Judy Nelson, Karma Kreizenbeck, and Hayley Sanchez





Thank You for Attending the

VALUE IN CANCER CARE SUMMIT 2020











