

Advancing the highest standards

SALEM HEALTH CANCER INSTITUTE
2019 ANNUAL REPORT

New webpage for cancer survivors



Salem Health has created a new webpage that features articles, videos and photos about everything from inspiration, support and exercise to nutrition, spiritual messages and art.

The webpage will remain published as a resource page for cancer survivors and caregivers. We continue to post new content on it. Make sure to check out the webpage today: salemhealth.org/cancer-survivors.

Virtual programs: Cancer prevention

We are offering two online programs on cancer prevention:

- **Healthy eating** – Oct. 15 at 5 p.m.
- **Genetics** – Oct. 29 at 5:30 p.m.

For more information, email us at cancer.institute@salemhealth.org.

Welcome new providers



Brandon Tieu, MD

Thoracic surgeon, Salem Health Cardiothoracic Surgery Clinic

Dr. Tieu completed medical school at the University of Oklahoma and was an Associate Professor of Cardiothoracic Surgery at OHSU before becoming the medical director for thoracic surgery at Salem Health. He is a member of the American Board of Thoracic Surgery and has a primary interest in thoracic oncology and the management of lung cancer. In his spare time, Dr. Tieu enjoys playing tennis, traveling and spending time with his family.



Nicholas Barber, MD

Medical oncologist, Oregon Oncology Specialists

Dr. Barber is from Nebraska where he attended the University of Nebraska and graduated with his engineering and medical degree. After completing medical school, he moved to Portland for his residency. Dr. Barber is a member of the American Society of Clinical Oncology and the American Society of Hematology. When he's not working, Dr. Barber enjoys spending time outdoors in the Pacific Northwest with his wife and four children.





Welcome

In 2019, the Salem Health Cancer Institute continued our commitment to the highest standards of care, as shown by our achievement of reaccreditation by the American College of Surgeons Commission on Cancer and National Accreditation Program for Breast Centers. We hold ourselves accountable to the highest standards through quality improvement measurement, access to comprehensive care and clinical trials, and superior outcomes.

From prevention to survivorship, we are committed to taking care of patients at every step along the cancer journey. We strive to improve chances for early cancer diagnosis through education and screening. We streamlined coordination to increase access to care. In collaboration with cancer care providers, we deliver the highest quality treatment, including research trials. After treatment, we offer programs to support living beyond cancer into survivorship.

Our cancer program continues to advance, as seen in key accomplishments this year:

- We affiliated with Oregon Oncology Specialists to increase our research footprint in Salem by offering patients the latest treatment options.
- We opened a new breast center on the cancer institute's first floor, using a model that improves care team integration and support for breast cancer patients.



We are excited to share our accomplishments in this annual report. We look forward to what next year holds to improve our care.

Josh Franke
Salem Health Cancer Institute
director

Nancy Reyes, MD
Salem Health Cancer Institute
medical director

A long history of national accreditation

Accreditation through the American College of Surgeons Commission on Cancer (CoC) and National Accreditation Program for Breast Centers demonstrates Salem Health's commitment to high quality, patient-centered care. Our long history of accreditation is a testament to our team approach and continuous quality improvement efforts. Thank you to the committee members and physician leaders who contributed to our re-designation in December 2019.

THE PROGRAM UNDERGOES A RIGOROUS REDESIGNATION PROCESS AND SITE VISIT EVERY THREE YEARS. THE CANCER PROGRAM AT SALEM HEALTH HAS RECEIVED FULL ACCREDITATION WITH COMMENDATION AT EACH COC SURVEY IN OUR HISTORY.



NATIONAL ACCREDITATION PROGRAM FOR BREAST CENTERS

1952

First awarded accreditation by the American College of Surgeons Commission on Cancer.

2010

Received distinction through the American College of Surgeons National Accreditation Program for Breast Centers.

2019

Most recent accreditation re-designations.

Thank you to the Salem Health Foundation

Special thanks to the Salem Health Foundation for providing generous support for cancer services over the years, allowing us to give back to those impacted by cancer. Funds have helped support assistance programs such as transportation, pharmacy cards and special support projects including chemo bags, yoga and wellness classes, post-mastectomy camisoles for women recovering from breast cancer surgery, and helping to further our outreach in the community with screening events for the uninsured.



Reaching more patients with Cancer Support Services

Our team — comprised of nurse navigators, a social worker, a dietitian, and resource support staff — continues to connect with patients and families facing a new cancer diagnosis. A special project in 2019 aimed to increase the number of lung cancer patients referred for support services. Lung cancer is the second most common cancer in both men and women,

and by far the leading cause of cancer death. While we know all patients with a new diagnosis of cancer could benefit from connecting with our Cancer Support Services team, we focused this project on lung cancer patients who require complex care.

Over the short three-month project timeline, we successfully implemented referral processes in medical oncology, radiation oncology, and pulmonology — and increased lung cancer referrals to Cancer Support Services by 35%.

These referral processes will be expanded to include additional cancer types as we work towards our five-year strategic goal of ensuring all cancer patients receive assistance from Cancer Support Services.

Patients can reach Cancer Support Services at any time, even without a referral, at 503-814-1449.

Cancer Patient Advisory Council

Thank you to our Cancer Patient Advisory Council for providing valuable input from a patient perspective to help guide decision making for our cancer program. This group formed in 2019 and includes local cancer survivors who volunteer to improve the experience for cancer patients at Salem Health. Over the past year, the council led a project to improve our Peer Support Program, including refining how we present the program to patients, and recruiting more cancer survivors who have completed treatment to support those with a new diagnosis or in active treatment.



Breast surgeon retires

Beth Dayton, MD, retired in April 2019 after serving the Salem community as a general surgeon for 26 years. Specializing in breast cancer, Dr. Dayton served as Chair of the Breast Committee with the goal of providing excellent care to breast cancer patients. Her leadership contributed to Salem Health's accreditation as an American College of Surgeons National Accreditation Program for Breast Centers. Thank you to Dr.

Dayton for her years of service and commitment to high quality cancer care.

Surgeon Patricia Luckeroth, MD was selected as the new Chair of the Breast Committee in May 2019.

Research and collaboration with Oregon Oncology Specialists

The Salem Health clinical research department met several important goals this year. We achieved full membership in the Southwest Oncology Group (SWOG) – and met the regulatory conditions to be a signatory institution with the National Cancer Institute Central Institutional Review Board. We also exceeded our research accrual goals for the Commission on Cancer accreditation.

All of these achievements allow Salem Health to offer high quality research studies that are developed and conducted by our own physicians and nurses. One study involves virtual reality research, which evaluates the usefulness of a virtual reality application using consumer available software and VR headgear showing a patient his or her actual tumor and radiation treatment plan in a three-dimensional environment. The study is evaluating whether VR technology can improve a patient’s understanding of radiation therapy treatment, correct misconceptions, and reduce anxiety.

Salem Health has collaborated with Oregon Oncology Specialists for many years. However, we recently formalized our relationship, which will bring an even greater opportunity for clinical research studies.

The clinical research department continues to provide high quality research to patients enrolled in one of our studies through the dedicated research professionals. Our nurses are oncology-certified, and our research assistants each have a national certification in research.

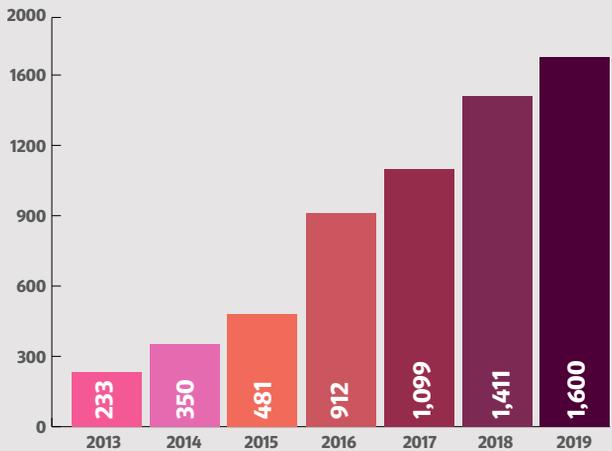
Lung cancer screening program

The Salem Health Lung Cancer Screening Program has continued to screen more patients each year since the program began in 2013. In 2019, more than 1,600 people participated. Through these screenings, 17 patients were diagnosed with lung cancer, with more than 75% of those in the earliest stage.

Patient criteria

1. 55- to 80-years old
 2. Currently smoking or quit smoking within the last 15 years
 3. Have a smoking history or 30+ pack-years
- OR
1. 50- to 80-years old
 2. Have a 20+ pack-year history
 3. Have at least one risk factor (i.e. emphysema, COPD, family history, asbestos exposure, etc.)

Salem Health annual lung cancer screenings



Women’s health screening

In November 2019, Salem Health Cancer Institute held its annual breast and cervical cancer screening event for local women who were uninsured or underinsured. A multitude of health care professionals donated their time to help screen more than 50 women.

The patients received a clinical breast exam; some needed additional services including same-day mammograms, pap tests and pelvic exams. The event helped serve those in our community who may have otherwise been unable to afford these important health screenings.



Number of patients

Primary Site	Salem Health 2018 new cases*	Marion-Polk County** 2018 cancer incidence
Breast	358	326
Lung/thoracic	222	193
Prostate/male GU	257	217
Colorectal/lower GI	169	153
Gynecology	132	109
Other (in order of magnitude) Urinary tract Hematopoietic Lymphoma Hepatobiliary system Upper GI Head and neck Melanoma/Merkel cell Brain/spinal cord Thyroid Sarcoma Unknown site	529	483
Total	1,667	1,481

**New cases: Total number of new cases seen at Salem Hospital that utilized services — includes all classes of cases. Includes patients served across Oregon.

**Marion and Polk counties are Salem Health's primary market. Cancer incidence is estimated by the CDC's National Program of Cancer Registries (NPCR) utilizing data from the National Cancer Database (NCDB) and other sources.

Quality and outcomes

Site	Key metric	Benchmark	Salem Health 2018 data
Breast	Breast conservation Breast-conserving surgery (lumpectomy) is a nationally accepted standard of care in appropriately selected patients. Patients are generally considered eligible if the tumor is localized and can be completely removed with negative margins, leaving a cosmetic result that is acceptable to the patient. Patients must also be a candidate for radiation therapy.	At least 50% of all eligible patients diagnosed with early-stage breast cancer (Stage 0, I, II) are treated with breast conserving surgery. Source: American College of Surgeons National Accreditation Program for Breast Centers	70% of eligible patients had breast conserving surgery.
Lung/ thoracic	Clinical research Clinical research advances science and contributes to quality patient care. Participation is voluntary and provides an opportunity for patients to find new ways to prevent, detect, diagnose or treat cancer now and in the future.	A minimum of 4% of patients (all diagnoses) are enrolled in clinical trials annually. Source: American College of Surgeons Commission on Cancer	5.49% of lung cancer patients were enrolled into a clinical trial.
Prostate	Prostate cancer: Documentation of pre-treatment evaluation Patients should have a digital rectal exam (DRE), prostate specific antigen (PSA) test, and a Gleason grade prior to treatment to support clinical staging and individualized treatment planning.	100% of prostate patients have a documented pre-treatment DRE, PSA and Gleason score. Source: The Advisory Board Oncology Roundtable	100% of prostate patients had a documented pre-treatment DRE, PSA and Gleason score.
Colorectal	Clinical Staging Clinical staging is the process of determining how much cancer is in the body based on the physical examination, imaging tests, and biopsies of affected areas. Understanding the stage of the cancer helps doctors to develop a prognosis and design a treatment plan for individual patients.	90% of rectal patients have clinical staging in the medical record prior to start of definitive treatment. Source: American College of Surgeons Commission on Cancer	95% of rectal patients had clinical staging in the medical record prior to start of definitive treatment.

Cancer care specialists

Gastroenterology

Falguny Bhavan, MD
Richard Brandes, MD
Nabil Choueiri, MD
Makkalearn Em, MD
Lawrence Gates Jr., MD
Katherine Hoda, MD
Patricia Kao, MD
Robert Ponec, MD
Edward Schultheiss, MD
Christian Speer, MD
Srinivasan Subramanian, MD

Cancer surgery

(Including breast, GI, thoracic, and soft tissue)

Catherine Boulay, MD
Glena Caton, MD
Christine Clarke, MD
G. Andrew Clarke, MD
Kristopher Dozier, MD
Juan Esguerra, MD
Jiyoun (Liz) Kim, MD
Eric Laro, MD
Hsinchen Lin, MD
Patricia Luckerth, MD
Gloria Marlowe, MD
Everett Mozell, MD
Rajan Nair, MD
Alison Smith, MD

Thoracic surgery

Brandon Tieu, MD

Gynecologic oncology

Amanda Bruegl, MD
Koenraad De Geest, MD
Elizabeth Munro, MD

Medical oncology

Nicholas Barber, MD
Janelle Meyer, MD
Charles Petrunin, MD
William Pierce, MD, PhD
Renee Prins, MD
John Strother, MD
Natasha Tiffany, MD

Neurosurgery

Maurice Collada, MD
Charles Hatchette, MD
Michael Nanaszko, MD
Julie York, MD
Seymur Gahramanov, MD

Otolaryngology

Joseph Allan, MD
John Donovan, MD
Bruce Johnson, MD
Gary Nishioka, MD
Clark Thompson, MD

Palliative care

Jamie Ellis-Wittenhagen, DO
James Lowry, MD
Eriko Onishi, MD
Rachel Wixson, FNP-C

Pathology

Datta Deepshikha
Cindy Hsieh, MD
Amariek Jensen-de la Cruz, MD
Sara Smith, MD
Daryl Vogel, MD, PhD
Debbie Wu, MD

Plastic surgery

Edwin Austin, MD
Dustin Christiansen, MD
Dann Leonard, MD
Keith Neaman, MD

Pulmonology / Critical care

Fayez Bader, MD
Yasaman Eslaamizaad, MD
Kamran Firoozi, MD
Martin Johnson, MD
Steven Marvel, MD
Nimeshkumar Mehta, MD
Kavan Ramachandran, MD
Laila Shiekh Sroujeh, MD
Kovid Trivedi, MD
Samar Vanaik, MD

Radiation oncology

William Chance, MD
Matthew Kang, MD
Nancy Reyes-Molyneux, MD
Samuel Wang, MD, PhD

Radiology

M. Brett Abbott, MD
Scott Ambruster, MD
John Bradshaw, MD
S. Leon Burrows, MD
Richard Collins, MD
Thomas Cullen, MD
Travis Fromwiller, MD
Michael George, MD
Nicholas Hanson, MD
David Harrison, MD
Yama Kharoti, MD
Kyu Kim, MD
Ryan Moore, MD
Tyler Moore, MD
Jose Novoa, MD
Michael Pass, MD
Jared Sadler, MD
Kathryn Snyder, MD
Sean Stack, MD

Urology

Jaffer Bashey, MD
David Elkins, MD
Timothy Fleming, MD
Anjana Ganeshappa, MD
Andrea Hatchette, MD
Theresa Koppie, MD
Mark Mhoon, MD
Philip Rosen, MD
Bradley Warner, M



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