The mission of the Robert & Eolyne Tunnell Cancer Center at Beebe Healthcare is to provide both hope and a cure. From the initial diagnosis through treatment and beyond, the patients at the Tunnell Cancer Center are never alone. Physicians, nurses, and staff are here to listen, support, and encourage. Every patient is treated as an individual. A multidisciplinary team meets weekly to discuss each newly diagnosed case to consider treatment options and to establish the most appropriate treatment protocol. Research nurses review clinical trials for participation opportunities. Since its inception in 1995, more than 15,600 newly diagnosed patients have received care at Tunnell Cancer Center.

IN FISCAL YEAR 2019
July 1, 2018-June 30, 2019

185 DONORS gave a Memorial and/or Honorarium for a total of $13,801.

620 DONORS gave to the Tunnell Cancer Center for a total of $604,285.

$229,695 RAISED over four golf tournaments.

Thank you
We would like to thank each of you who have supported Beebe Healthcare’s Oncology Services and our multidisciplinary team. Your donations have allowed us to purchase modern technologies and equipment, which are so important to patient care and have also made it possible for us to help many of our patients with special needs incurred during their cancer journey. Your generosity and commitment have made an important and welcome difference to all of us and to those we serve.

Cancer Committee Roster 2019

Martin Blood | Deborah Campbell, RN | Alexander Chase, PA-C | Xiaoli Chen, MD | Allison Globes, RN | Lisa Collord, RN | Kathy Cook, RN | Brian Costleigh, MD
Nisarg Desai, MD | Kelly Felix, PA-C | Allison Gil | Lisa Giorgilli | Rev. Keith Goheen | Barry Hamp | Lisa Henderson | Luanne Holland | Jennifer Hung, MD | Carol Hunt
Ellen Huntington | Katie Johnson, DO | Jude Johnson-Shupe | Donna Miskin, RN, OCN | Helen Moody, CTR | Srujitha Murukutla, MD | Rhonda Owens, APRN
Judith Ramirez, EdD | Michael Ramjattansingh, MD | Anis Saliba, MD | James Spellman, MD | Andrejs Strauss, MD | Owen Thomas, MD | Lynne Van Pelt, RN
Kim Westcott, MS, RD | Clare Wilson, RN | Elizabeth Wilson, FNP

Members of the Beebe Healthcare Oncology Services Medical Staff

Andrejs V. Strauss, MD
radiation oncologist

James Spellman, Jr., MD
surgical oncologist

Nisarg Desai, MD
medical oncologist

Owen Thomas, MD
radiation oncologist

Srujitha Murukutla, MD
medical oncologist

Brian Costleigh, MD
radiation oncologist

Srihari Peri, MD
medical oncologist

Venkateswar Veerapalli, MD
medical oncologist

Jennifer Hung, MD
radiation oncologist

Alec Chase, PA-C
oncology physician assistant

Kelly Felix, PA-C
oncology physician assistant

Rhonda Owens, APRN
oncology nurse practitioner

Elizabeth Wilson, FNP-BC
oncology nurse practitioner
There has been significant growth in our Breast Health Navigation and Cancer Screening Navigation services. Beebe’s Breast Health Program is currently PILOTING A HIGH RISK ASSESSMENT PROJECT TO IDENTIFY PATIENTS WHO WILL BENEFIT FROM EARLY INTERVENTION with cancer screenings based on personal and family history of cancer. Individuals identified as higher risk are referred for genetic counseling and testing. This pilot program will continue into 2020.

Regarding population health and cancer health disparities, our cancer screening programs continue to FOCUS ON COMMUNITY OUTREACH with a goal of reducing cancer incidence and mortality in Sussex County’s underserved populations and neighborhoods. In 2019, Beebe’s lung cancer screening program screened 1,564 cases. This is a 15% increase relative to 2018. These screenings resulted in detection of 25 lung cancer cases, 15 of which were diagnosed as early stage with expected good prognosis.

Our Oncology Service Line strives to maintain a STRONG COMMUNITY PRESENCE AND CONNECTION. Every year, we host multiple events to educate and celebrate with the community. The annual Survivorship Conference, Miracle Mile, Think Beyond Pink, and Not Just for Men were uniformly well attended this year and are indicative of our fortunate position in a vibrant and supportive community.

In 2019, BEEBE LAUNCHED A CANCER CARE PATIENT PORTAL that allows families and patients to view appointments (past and future), see a summary of treatments, and receive education on those treatments. As the portal expands, opportunities to communicate directly with the physician through this portal will become available. With over 500 patients enrolled since April 2019, the patient portal has been extremely successful, and we have received stellar feedback from both patients and their families.

We would like to THANK THE BEEBE MEDICAL FOUNDATION FOR ITS COMMITMENT TO SUPPORT BEEBE’S ONCOLOGY SERVICES AND OUR PATIENTS’ JOURNEYS. We are enormously grateful to their generous donors. Donations to the Medical Foundation support an array of services to individuals impacted by cancer. These services include purchasing vans for patient transportation and supporting the Special Needs Fund, which offers qualifying patients assistance with emergent needs. The Medical Foundation coordinates several golf tournaments and the Celebrating Excellent Care program, both of which directly support oncology patient services.

None of this year’s successes would be possible without the DEDICATION OF OUR COMMITTED TEAM MEMBERS, including volunteers, ancillary staff, nurses, midlevel providers, and physicians.

We are humbled by our community’s support and are MOTIVATED TO IMPROVE OUR LEVEL OF CARE, COMPREHENSIVENESS, AND CONVENIENCE OF SERVICES each year. It is our goal to continuously provide our patients and their families with the very best care.

Thank you for supporting us and believing in Beebe.
Breast Cancer Quality Measures*

<table>
<thead>
<tr>
<th>Measure</th>
<th>2018</th>
<th>2017</th>
</tr>
</thead>
<tbody>
<tr>
<td>Radiation therapy is administered within 1 year (365 days) of diagnosis for women under age 70 receiving breast conserving surgery for breast cancer</td>
<td>85</td>
<td>80</td>
</tr>
<tr>
<td>Tamoxifen or third generation aromatase inhibitor is recommended or administered within 1 year (365 days) of diagnosis for women with AJCC T1N0M0, or stage IB-III hormone positive breast cancer</td>
<td>31</td>
<td>34</td>
</tr>
<tr>
<td>Image or palpation-guided needle biopsy to the primary site is performed to establish diagnosis of breast cancer</td>
<td>47</td>
<td>48</td>
</tr>
<tr>
<td>Breast conservation surgery rate for women with AJCC clinical stage 0, I, or II breast cancer</td>
<td>95</td>
<td>95</td>
</tr>
</tbody>
</table>

*This data is from 2016, which is the most recent available data per the national cancer database by the Commission on Cancer (CoC).

2018 Completed Cancer Screenings

<table>
<thead>
<tr>
<th>Year</th>
<th>BREAST</th>
<th>CERVICAL</th>
<th>PROSTATE</th>
<th>COLON</th>
<th>SKIN</th>
<th>LUNG</th>
</tr>
</thead>
<tbody>
<tr>
<td>2017</td>
<td>272</td>
<td>305</td>
<td>60</td>
<td>85</td>
<td>39</td>
<td>48</td>
</tr>
<tr>
<td>2018</td>
<td>34</td>
<td>31</td>
<td>47</td>
<td>39</td>
<td>95</td>
<td>1361</td>
</tr>
</tbody>
</table>

FINDING NEW WAYS TO SCREEN

As part of our commitment to providing the best possible care for our community, Beebe’s Breast Health Program is currently piloting a high-risk assessment project to identify opportunities for early intervention with cancer screenings. Beginning in April 2019, individuals who receive mammography services at Beebe are asked to complete a high-risk assessment questionnaire regarding their ancestry as well as personal and family history of four different types of cancers – breast, ovarian, colon, and prostate. Research shows that certain types of cancers can cluster into specific genes that can be passed down to family members. Inherited genetic mutations play a major role in about 5 to 10 percent of all cancers, according to the National Cancer Institute.

Based on the results of the questionnaire, the breast health nurse navigator contacts those who meet the criteria in order to discuss their results and offer a free genetic consultation. Individuals who are interested in pursuing a consultation are referred to our genetic counseling services through Christiana. Currently, 694 individuals have completed a high-risk assessment questionnaire. Of those 694, 232 individuals met criteria for a genetic consultation, and 80 requested a referral. Offering these services at Beebe is an important step in recognizing community members who may be at a higher risk for cancer based on their genetics. Identifying this risk allows earlier access to screenings, follow-up, and management for a potential cancer diagnosis in the future. Early detection and intervention can save lives.

Beebe plans to continue with the high-risk assessment project and looks to expand the project to other mammography sites in 2020.
FOCUSING ON OUTCOMES FOR BEEBE HEALTHCARE’S CANCER PREVENTION & SCREENING

Beebe Healthcare’s Oncology Services has dedicated members of its team who provide active outreach, prevention, and screenings. Their efforts decrease the number of late-stage cancer diagnoses. Our multiple cancer prevention and screening programs are consistent with evidence-based national guidelines and interventions. The primary cancer screening programs offered in 2018-19 included low dose CT lung cancer screening, mammography screening, and skin cancer screening.

In 2018, a total of 1,564 lung cancer screenings of community residents were completed at Beebe Healthcare, with results being monitored by Tunnell Center’s cancer screening nurse navigator, Debbie Campbell, who followed them through to resolution or diagnosis. Through these screenings, 25 lung cancers were detected. Additionally, nearly 1,000 residents who have had barriers or obstacles to screenings were also monitored and assisted as needed to complete screenings. As a result, 305 mammograms and 85 cervical, 31 prostate, and 39 colon screenings were completed for these patients utilizing the guidelines for recommended screenings for each age group.

Lung cancer is the most frequently diagnosed cancer in Delaware. Smoking is the number one risk factor for lung cancer—in the United States, cigarette smoking is linked to about 90 percent of lung cancers. Established in 2015, Beebe began using low-dose CT scanning, approved to help detect lung cancer at an early stage when it’s most treatable. We developed our low-dose CT lung cancer screening guidelines based on the National Lung Screening Trial, a landmark study that used new ways to identify those at risk and test them for cancer. The study’s methodology led to an impressive 20 percent drop in lung cancer deaths. The use of our low-dose CT lung cancer screening led to 25 diagnoses of lung cancer in 2018.

In 2018, Tunnell Cancer Center participated in 15 community outreach events. Primary prevention and education programs include Think Beyond Pink, a women’s wellness event, and an annual men’s health event focused on prostate cancer awareness and prevention. Tunnell Cancer Center also partnered with Delaware Breast Cancer Coalition to provide onsite mammograms at a health event for the underserved community.

The cancer screening nurse navigator ensures that positive findings are directed to next steps per evidence based guidelines. Navigation is provided for breast, cervical, prostate, colorectal, skin, and lung cancer screenings, easing the patient’s access and journey along the way.

BEEBE’S SECOND CANCER CENTER NEARS OPENING

Beebe Healthcare’s second comprehensive cancer center is set to open in July 2020, bringing better access to medical care and treatment for cancer patients in the South Coastal area. The facility will include medical oncology, radiation oncology, and chemotherapy. The South Coastal Health Campus will also have a 24/7 freestanding emergency department to serve the community’s medical emergency needs.