



2016 ONCOLOGY ANNUAL REPORT

St. John Medical Center

Oklahoma Cancer Specialists
and Research Institute



TABLE OF CONTENTS

St. John Mission, Vision and Values	2
Report from the Cancer Committee Chairman.	3
Cancer Committee.	5
Cancer Registry	7
Primary Site Table	8
Cancer Census Report.	10
Prevention and Screening Programs	11
Studies of Quality	11
Annual Community Activities	12

ST. JOHN MISSION, VISION AND VALUES

Mission

Rooted in the loving ministry of Jesus as healer, we commit ourselves to serving all people, with special attention to those who are poor and vulnerable. Our Catholic health ministry is dedicated to spiritually centered, holistic care that sustains and improves the health of individuals and communities. We are advocates for a compassionate and just society through our actions and words.

Vision

We envision a strong and vibrant Catholic health ministry in the U.S., which will lead to the transformation of health care. We will ensure service that is committed to health and well-being for our communities and that responds to the needs of individuals throughout the life cycle. We will expand the role of the laity, in both leadership and sponsorship, to ensure a Catholic health ministry of the future.

Values

We are called to:

- Service of the poor: generosity of spirit, especially for those most in need
- Reverence: respect and compassion for the dignity and diversity of life
- Integrity: inspiration of trust through personal leadership
- Wisdom: integration of excellence and stewardship
- Creativity: courageous innovation
- Dedication: affirmation of the hope and joy of our ministry

REPORT FROM THE CANCER COMMITTEE CHAIRMAN

It is my privilege to review the status of cancer care and related activities at St. John Medical Center for 2016. The past year at St. John has been one of the most exciting periods in our long history of cancer care. These changes began in 2015, when informal discussions occurred between St. John and the former Tulsa Cancer Institute related to combining each group's extensive resources to improve cancer care in Oklahoma. After a period of intense study, discussion and negotiations, a new joint venture was launched in the creation of Oklahoma Cancer Specialists and Research Institute (OCSRI) in March 2016. This new partnership brings together one of the most prominent multispecialty oncology groups in the U.S. and the long-term strengths in medical, surgical and radiation oncology of St. John. St. John also brings to the venture a long history of clinical research and leadership in cancer rehabilitative services, hospice care and palliative care.



John Forrest, MD, FACS

The physicians and staff at OCSRI provide world-class medical, radiation, dermatologic and gynecologic oncology within an approximately 90,000-square-foot, state-of-the-art facility. OCSRI has a robust clinical research arm offering patients the opportunity to participate in cutting-edge clinical trials. Additionally, OCSRI provides imaging, rehabilitative, palliative and genetic counseling services to augment the care and address many of the concerns of patients with a cancer diagnosis.

Since the inception of OCSRI, new patient consults, established patient visits, chemotherapy infusions, radiation therapy consults and treatments, dermatologic cancer consults and treatments, and gynecologic oncology consults and surgeries have increased dramatically. The associated imaging studies, social service consults, palliative care consults and telemedicine genetic consults have also increased robustly. OCSRI is one of two oncology practices in Oklahoma recognized by the Quality Oncology Practice Initiative (QOPI®), an affiliate of the American Society of Clinical Oncology. The QOPI Certification Program (QCP™) certifies oncology practices that meet nationally recognized standards for cancer care. This certification affirms our commitment to providing patients with high-quality cancer care.

OCSRI continues to enhance its service offering through the addition of board-certified physicians specializing in medical oncology, radiation oncology, gynecologic oncology surgery and one of Oklahoma's pre-eminent breast surgeons, LaNette Smith, MD. St. John and OCSRI's commitment to serving the community's breast cancer needs is further enhanced by the development of a firm plan for construction of a comprehensive breast center on the St. John Medical Center campus.

At St. John, our cancer service lines have also experienced significant growth. Surgical cases for many malignancies have seen volume growth. One of the most significant areas of surgical growth has been in the treatment of brain tumors under the leadership of Tyler Auschwitz, MD, with the St. John Neuroscience Institute. While the majority of radiation therapy treatments are delivered at OCSRI, St. John Medical Center maintains inpatient radiation therapy services. Also, the St. John Cyberknife Center remains a busy radiation therapy option housed at St. John Medical Center for appropriately selected patients. Inpatient volumes have increased on our dedicated oncology floor, 14 West. These increases are secondary to the

initiation of an acute hematologic malignancy program led by Charles Strnad, MD, continued strong transfer acceptance with a malignant diagnosis being an “always accepted diagnosis,” and the addition of a third gynecologic oncologist.

In June 2014, following a lengthy certification process, St. John Medical Center became Oklahoma’s first certified member of MD Anderson Cancer Network®, a program of MD Anderson Cancer Center. This affiliation, which measures both facility-specific and physician-specific goals, is a collaborative platform for quality assessment, performance improvement, interactive consultation and recruitment. In 2016, St. John expanded its existing quality and best practices relationship with the network by completing the quality certification process with OCSRI. Together with OCSRI, as the only certified member statewide, the team offers unparalleled cancer care to Oklahoma residents close to home. Network participating providers, based in Tulsa, include 10 medical oncologists, three radiation oncologists and nine surgeons across numerous specialties.

The past year has seen transformative change on many levels to expand, improve and innovate in cancer care for our patients in programs at St. John and now our new partner, OCSRI. Our intention is to continue these initiatives along our journey of cancer care excellence.

John Forrest, MD, FACS
2016 Cancer Committee Chairman
Chief Medical Officer
St. John Medical Center



Daron Street, MD, FACOG

CANCER COMMITTEE

The St. John Cancer Committee is composed of representatives from a variety of medical disciplines and support services involved with the care of cancer patients. The committee met 12 times in 2016 under the leadership of the chairman, John Forrest, MD, chief medical officer at St. John Medical Center.

The committee is engaged in the entire spectrum of care for cancer patients seen at St. John Medical Center. Committee responsibilities include:

- Developing and evaluating annual goals and objectives for the clinical, educational and programmatic activities related to cancer.
- Promoting a coordinated, multidisciplinary approach to patient management.
- Ensuring educational and consultative cancer conferences that cover all major sites and related issues.
- Ensuring an active supportive care system is in place for patients, families and staff.
- Monitoring quality management and improvement through completion of quality management studies that focus on access to care and outcomes.
- Promoting clinical research.
- Supervising the Cancer Registry and ensuring accurate and timely abstracting, staging and follow-up reporting.
- Performing quality control of registry data.
- Encouraging data usage and regular reporting by planning and conducting a minimum of two patient care evaluation studies annually, one to include survival and comparison data, if available.
- Ensuring content of the annual report meets requirements.
- Upholding medical ethical standards.

Committee Members

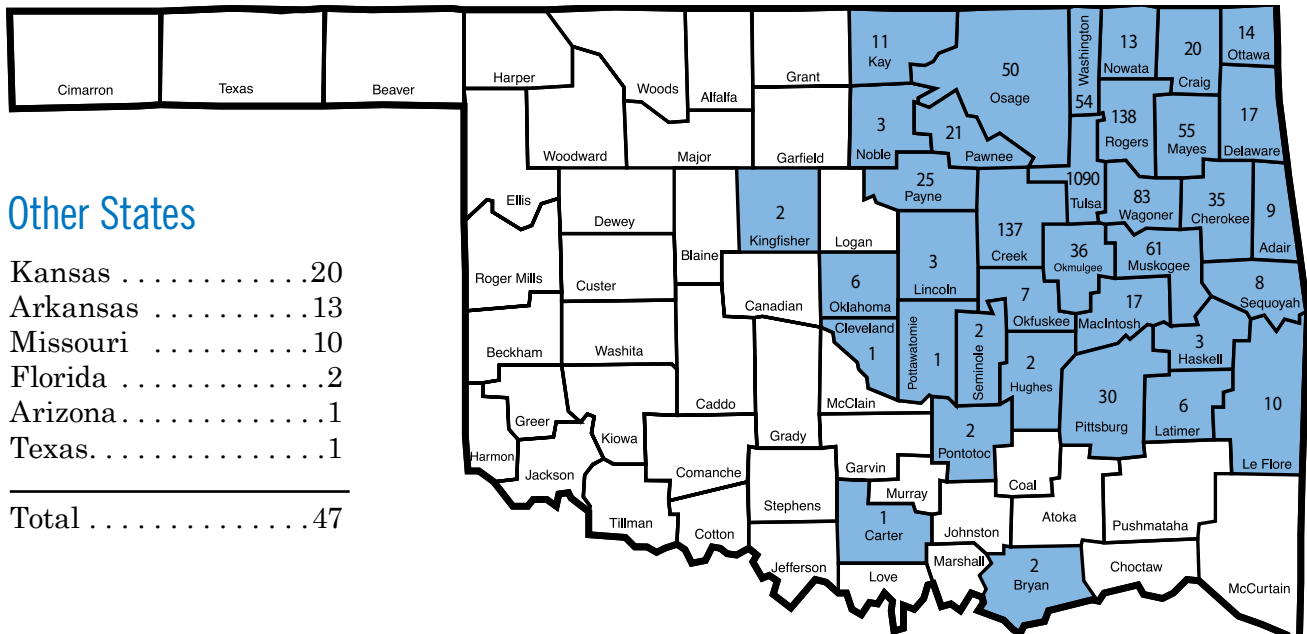
John Forrest, MD, FACS	<i>Cancer Committee Chairman</i>
Phil Ames	<i>Oncology Administrator</i>
Amy Arnold, RN	<i>Oncology Nurse</i>
Kanwaljit Aulakh, MD / Michael Harvey, MD	<i>Pathologist</i>
Kanwaljit Aulakh, MD / Guido Sclabas, MD	<i>Cancer Liaison Physician</i>
Candida Barlow, RN	<i>Clinical Research Coordinator</i>
Kelly Berry, MPT	<i>Rehabilitation Services Manager</i>
Dedee Boss, CPMSM	<i>Medical Staff Office Coordinator</i>
John Hendrix, MD / Jordan Brown, MD	<i>Palliative Care Representative</i>
Jodi Hudson	<i>American Cancer Society Representative</i>
Julie Kinzie, LCSW / Jason Davis, MSW	<i>Psychosocial Services Coordinator</i>
Peggy Marr, CTR	<i>Cancer Registry Quality Coordinator</i>
Donna Longfield, RN	<i>Radiology Nurse Manager</i>
Cordell Privat, MD / James Rittimann, MD	<i>Diagnostic Radiologist</i>
JoAnn Rushenberg, RN	<i>Quality and Performance Improvement Coordinator</i>
Natalie Sanders, MS, RD, LD	<i>Registered Dietitian</i>
Kathy Smarinsky	<i>Cancer Program Administrator</i>
Daron Street, MD / Cole Davis, MD	<i>Surgeon</i>
Daron Street, MD	<i>Medical Oncologist</i>
Matt Taliaferro, PharmD	<i>Pharmacist</i>
Ron Tremblay	<i>Pastoral Care Representative</i>
Kimberly Will	<i>Community Outreach Coordinator</i>
Frederick Willison, MD	<i>Cancer Conference Coordinator / Radiation Oncologist</i>

CANCER REGISTRY

The St. John Cancer Registry maintains a complete database of all cancer cases diagnosed and/or treated through St. John Medical Center. More than 28,898 cases have been accessioned since the registry’s reference date of 2000. In addition, 14,226 non-analytic cases have been registered. Three full-time cancer registrars and one follow-up secretary are responsible for collecting and maintaining complete and accurate data, including annual follow-up information for all cancer patients diagnosed and/or treated at St. John.

Analytic Cases by County

There were 2,028 analytic cases diagnosed at St. John in 2015. Of them, 1,981 were from Oklahoma, and 47 were from other states. The case totals for Oklahoma counties are shown below:



PRIMARY SITE TABLE

Code	Frequency	Percent	Cumulative Freq.	Percent
TONGUE	9	0.4	9	0.4
TONGUE OTH	7	0.3	16	0.8
PALATE	1	0.0	17	0.8
MOUTH	3	0.1	20	1.0
PAROTID GL	8	0.4	28	1.4
TONSIL	6	0.3	34	1.7
OROPHARYNX	4	0.2	38	1.9
NASOPHARYNX	2	0.1	40	2.0
ESOPHAGUS	15	0.7	55	2.7
STOMACH	24	1.2	79	3.9
SM INTESTINE	12	0.6	91	4.5
COLON	92	4.5	183	9.0
RECTOSIGMOID	22	1.1	205	10.1
RECTUM	45	2.2	250	12.3
ANUS	9	0.4	259	12.8
LIVER	21	1.0	280	13.8
GALLBLADDER	4	0.2	284	14.0
BILIARY TR.	3	0.1	287	14.2
PANCREAS	39	1.9	326	16.1
DIGESTIVE	3	0.1	329	16.2
NASAL CAVITY	1	0.0	330	16.3
SINUS	1	0.0	331	16.3
LARYNX	10	0.5	341	16.8
LUNG	276	13.6	617	30.4
THYMUS	1	0.0	618	30.5
PLEURA-MED	3	0.0	621	30.6
BONE	5	0.2	626	30.9
BLOOD SYS	61	3.0	687	33.9
SKIN	123	6.1	810	39.9
PERITONEUM	5	0.2	815	40.2
CONNECTIVE	9	0.4	824	40.6
BREAST	413	20.4	1237	61.0
VULVA	17	0.8	1254	61.8
CERV UTERIUS	30	1.5	1284	63.3
CORP UTERIS	83	4.1	1367	67.4
UTERUS	13	0.6	1380	68.0
OVARY	41	2.0	1421	70.1
FEM GENIT	4	0.2	1425	70.3
PROSTATE	92	4.5	1517	77.8
TESTIS	14	0.7	1531	78.5
KIDNEY	118	5.8	1649	84.3

Code	Frequency	Percent	Cumulative Freq.	Percent
REN PELVIS	7	0.3	1656	81.7
URETER	5	0.2	1661	81.9
BLADDER	88	4.3	1749	86.2
URINARY	2	0.1	1751	86.3
EYE	2	0.1	1753	86.4
MENINGES	34	1.7	1787	88.1
BRAIN	41	2.0	1828	90.1
CENT NERVE	27	1.3	1855	91.5
THYROID	66	3.3	1921	94.7
ADRENAL GL	1	0.0	1922	94.8
ENDOCRINE	7	0.3	1929	95.1
OTHER	1	0.0	1930	95.2
LYMPH NODE	50	2.5	1980	97.6
UNKNOWN	48	2.4	2028	100.0
TOTAL	2028	100	2028	100

Mean = 47.77

Standard error of mean = 0.39

Frequency mode = 413

Code = 50

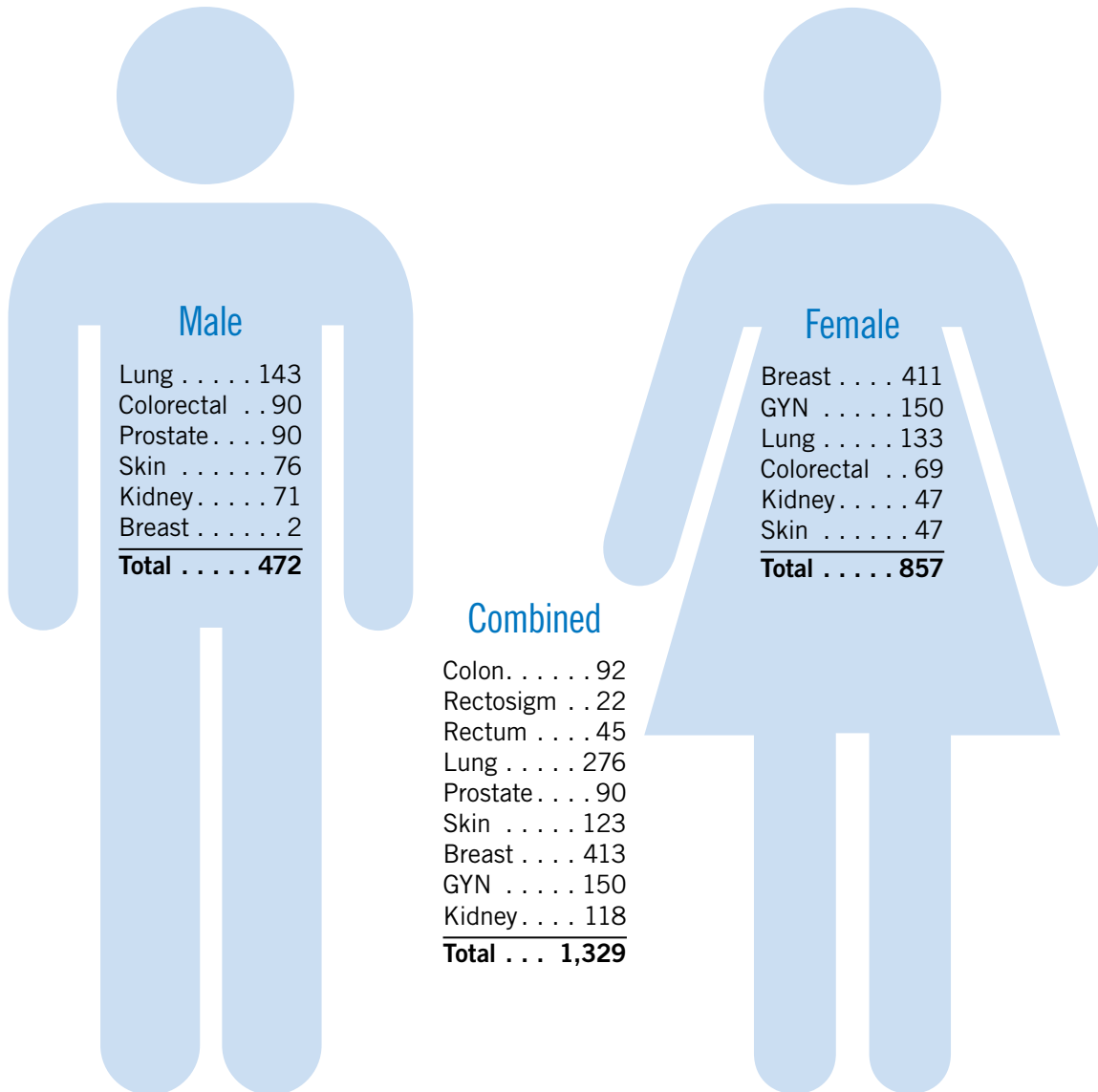
Standard deviation = 18.02

CANCER CENSUS REPORT

During 2015, St. John Medical Center was busy with the growth of the oncology program, treating a wide variety of cancer diagnoses. The bulk of the cases were comprised of five major types of cancer: lung, breast, colorectal, skin and kidney. Newly diagnosed in 2015 were 276 cases of lung cancer, 413 cases of breast cancer, 159 cases of colorectal cancer, 123 cases of skin cancer, and 118 cases of kidney cancer.

Newly diagnosed cancers in Oklahoma continue to increase every year. In 2015, the state had 19,830 new cases.

Primary Sites for 2015





PREVENTION AND SCREENING PROGRAMS

Prevention Programs

Cancer prevention programs identify risk factors and use strategies to modify attitudes and behaviors to reduce the chance of developing cancer. In 2016, St. John Medical Center and Oklahoma Cancer Specialists and Research Institute (OCSRI) hosted The Fight to End Cancer community health fair and cancer forum. The event featured a live, interactive broadcast of an expert panel discussion on smoking cessation and MD Anderson Cancer Center's EndTobacco™ Program. The discussion was based on world-renowned, evidence-based clinical guidelines from MD Anderson.

In addition, with tobacco products being the top risk factor in Tulsa County, 1-800-QUIT-NOW campaign posters were distributed around campuses at the beginning of 2016.

Screening Programs

Cancer screening programs apply screening guidelines to detect cancers at an early stage, which improves the likelihood of increased survival and decreased morbidity. As UV light exposure is a top risk factor for cancer in Tulsa County, free sunscreen, skin cancer educational materials and skin cancer screening assessments were provided at The Fight to End Cancer

community health fair and cancer forum at OCSRI. About 30 attendees signed up for a free skin cancer screening that day. Also at the event, OCSRI offered first-come, first-served lung cancer screenings for \$99 that included a low-dose, non-contrast CT scan that day. The scans were read by a physician the following Monday. Six screenings were performed that day.

OCSRI provided low-dose CT lung screenings in 2016. Thirty-four patients were screened that year, with six patients requiring further imaging. Of those six, four needed additional testing and one needed a bronchoscopy. There was one diagnosis of lung cancer. These patients were notified after their imaging to speak with their physician and received the results of their scan. St. John, an American College of Radiology Designated Lung Cancer Screening Center, also offered low-dose CT lung screenings. In 2016, 180 patients were screened, and 61 patients had an abnormal result, requiring follow-up tests. These patients were notified after their imaging to speak with their physician and received the results of their scan.

STUDIES OF QUALITY

The annual evaluation of cancer patient care provides a baseline to measure quality and an opportunity to correct or enhance care and quality outcomes. Quality improvement is a multidisciplinary effort and must include support and representation from all clinical, administrative and patient perspectives.

In 2016, St. John Medical Center reviewed the MD Anderson Cancer Center guidelines and American Urological Association guidelines for the management of localized prostate cancer. The study population consisted of radical prostatectomies performed at St. John in 2016. Fifteen cases were identified for review. Two cases of incidental prostate cancer, both clinically significant, were found from radical cystectomy specimens but were not included in this analysis. The reviewed cases concentrated on the preoperative staging and its appropriateness along with surgical pathologic staging. The surgical techniques employed

consisted of four open radical prostatectomies and 11 laparoscopic, robotically assisted radical prostatectomies. The average patient age was 62.8 years, and the range was 47 to 73 years.

All staging parameters consisting of digital rectal exams, PSA staging and appropriate imaging studies were correctly applied as guideline parameters. Surgical pathologic groupings were:

- Stage 2: nine cases
- Stage 3: five cases
- Stage 4: one case

The Gleason score groupings were:

- Group 1 (Gleason 3+3): one case
- Group 2 (Gleason 3+4): five cases
- Group 3 (Gleason 4+3): five cases
- Group 4 (Gleason 4+4): one case
- Group 5 (any Gleason 5): three cases



ANNUAL COMMUNITY ACTIVITIES

Celebrating the Art of Healing

Celebrating the Art of Healing is an annual collaboration with other cancer care organizations in the community to provide a day of inspiration and education to cancer survivors, caregivers and medical professionals. In 2016, the event was hosted by St. John Medical Center. With 117 attendees, activities

included the presentation “An Update on Cancer and Sleep, Targeted Therapies & the Role of Genetics” by Neil Caporaso, MD, from the National Cancer Institute, as well as workshops on post-cancer quality of life, nutrition and exercise for cancer patients/survivors, lymphedema and cancer genetic counseling.

St. John/OCSRI Mini Relay for Life

Supported by the American Cancer Society, the Mini Relay for Life was a free reception for our cancer survivors and their caregivers, featuring ceremonial survivor and supporter laps, catered lunch, and an open mic for survivors to share their stories. The celebration was a more intimate version of the Relay for Life of Tulsa community event, which took place later the same day. Total attendance was 125, the highest since St. John began the Mini Relay for Life in 2012.

Relay for Life of Tulsa

St. John and Oklahoma Cancer Specialists and Research Institute (OCSRI) together sponsored the event and raised an additional \$6,943 through our annual Relay for Life campaign, which in turn helps maintain and grow local American Cancer Society programs for transportation assistance, support groups and headwear (wigs, scarves and hats). The Relay for Life of Tulsa had an estimated 400 attendees, and activities at our booth included fundraising and answering questions about our cancer care services.

The Fight to End Cancer

OCSRI hosted The Fight to End Cancer community health fair and cancer forum, the first event of its kind for the Tulsa area. We were one of only eight certified members of MD Anderson Cancer Network®, a program of MD Anderson Cancer Center, to participate in the network’s live broadcasts, which served to educate communities on cancer prevention, treatment and research. The first broadcast was speaker Joan Lunden, cancer survivor, health and wellness advocate, and former co-host of “Good Morning America,” followed by a broadcast of MD Anderson panel discussions

on cancer. Visiting from Houston for the event were Richard Theriault, DO, FACP, professor of breast medical oncology and medical director of MD Anderson Physicians Network, and Bill Hyslop, president and CEO of MD Anderson Physicians Network. People from all over the Tulsa area attended the event, which also featured a health fair with health screenings, local food trucks and family activities.

Komen Tulsa Race for the Cure

As sponsors of Komen Tulsa Race for the Cure, St. John and OCSRI provided educational materials on cancer survivor rehabilitation, breast self-exams and St. John Clinic services to the thousands of attendees. More than 60 associates and patients joined our joint team to participate in the day's events. These participants contributed to the cause just by joining the team and collectively raised an additional \$320.

Cancer Symposium

St. John Medical Center annually hosts a free cancer symposium for health care professionals. The 2016 symposium, titled "Comprehensive Management of Head and Neck Tumors," had 105 attendees and featured special guest speakers from The University of Texas MD Anderson Cancer Center, University of Arkansas Medical Sciences and speakers from the Tulsa area.

Cancer Policy Forum

St. John sponsored and helped plan the American Cancer Society Cancer Action Network's second annual cancer policy forum for the state. Free and open to the public, the forum featured remarks from legislative and health care leaders and allowed for an open discussion on cancer prevention programs and public policy opportunities that could further advance the health of Oklahomans. The event had about 50 attendees.

Other Sponsorships

St. John and/or OCSRI also sponsored Relay for Life events in other communities we serve (Owasso, Broken Arrow, Sapulpa and

Bartlesville), Cattle Baron's Ball and Making Strides Against Breast Cancer, all benefiting the American Cancer Society, as well as Boots & Blues benefiting Joy in the Cause, Great 100 Nurses Celebration of Oklahoma benefiting the Great 100 Nurses Foundation, Light the Night Walk benefiting the Leukemia & Lymphoma Society, Winterset benefiting the Osteopathic Founders Foundation, and more.

Additional Services

Many St. John and OCSRI patients receive additional services through the American Cancer Society. The number of patients at St. John served during the first six months of 2016 was 62. The number of patients at OCSRI served during the first six months of 2016 was 277. Services provided included:

- Look Good Feel Better workshops
- Guestroom
- Personal health manager
- Wigs and other head coverings
- Road to Recovery program





1923 S. Utica Ave. | Tulsa, OK 74104
918-744-0123
stjohnhealthsystem.com/cancer



12697 E. 51st St. South | Tulsa, OK 74146
918-505-3200
ocsri.org