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To learn more about Saint Joseph Hospital I Cancer Centers of Colorado visit saintjosephdenver.org/cancercare or call 303-318-3434.
In 2015, More than 1.6 Million People In The United States Faced A Cancer Diagnosis.

At the Saint Joseph Hospital | Cancer Centers of Colorado, we are leading the way in setting standards for the delivery and quality of cancer care regionally and nationally.
Cancer touches many lives. If you or someone you care about has cancer, we are confident in telling you that at Saint Joseph Hospital, you have come to the right place.

To learn more about Saint Joseph Hospital | Cancer Centers of Colorado visit saintjosephdenver.org/cancercare or call 303-318-3434.
Cancer Committee
Chairman’s Report

Gregory J. Britt, MD
Chair, Cancer Committee
Medical Director
Section Chief
Hematology/Medical Oncology
Saint Joseph Hospital
Cancer Centers of Colorado

I would like to open this year’s Oncology Annual report by expressing my gratitude to outgoing Cancer Committee Chairman and Medical Director, Dr. Richard Hesky. Dr. Hesky remains a pillar of the medical oncology community in the Denver metro area and is among its top medical oncologists. It is a privilege for me to step into this new role at Saint Joseph Hospital.

Here at Saint Joseph Hospital | Cancer Centers of Colorado and in collaboration with National Jewish Health, we offer compassionate patient-centered comprehensive services that are widely recognized, as evidenced by our participation in national programs recognizing quality and by our accreditation by the American College of Surgeons Commission on Cancer (CoC) and National Accreditation Program for Breast Cancer (NAPBC). In this report, you will learn how we have teamed up with renowned lung cancer specialists and researchers at National Jewish Health to offer seamless and exceptional oncology care across the two campuses, separated by only 2 miles within central Denver.

Later in this report, a Summary of Data from the last year describes the wide diversity of cancer cases treated at Saint Joseph Hospital. You will also read more about our cutting edge diagnostics, techniques, and therapies in pathology, medical imaging, medical oncology, radiation, and surgical care. We also spotlight our clinical research program with a focus on the study and implementation of a new medical device, SAVI SCOUT®, which has enhanced the localization of breast cancers at the time of surgery. In addition, we are pleased to offer comprehensive services, including genetic counseling, nutrition, nurse navigation, lymphedema physical therapy, pharmaceutical counseling, palliative care, and psychosocial support, all under one roof – something that makes our program unique. Finally, I will later describe the exciting advances in the care of patients with advanced melanoma with a focus on targeted and immunotherapeutic agents.

2015 to 2016 was an exciting year for our program. I expect 2017 to be even brighter in its offerings for patients with cancer. We look forward to continuing to provide a high level of comprehensive expertise and real-time advice to our patients through an expansion of multidisciplinary tumor board conferences and clinics. In addition, delivering cancer care of the highest quality is something our program takes very seriously and I would like to thank the important work of our dedicated cancer registry and quality improvement team as highlighted in this report. We will continue to keep our foot on the pedal with regard to important clinical research and to promote intellectual growth and discovery as one of Denver’s major teaching hospitals.

Sincerely yours,
Gregory J. Britt, M.D.
To learn more about Saint Joseph Hospital Cancer Centers of Colorado visit saintjosephdenver.org/cancercare or call 303-318-3434.

SCL Health System Vice President Cardiology and Oncology Service Lines

Saint Joseph Hospital Mission

I want to take a moment and introduce myself. My name is Donna Bowers and I am fairly new to the Sisters of Charity of Leavenworth (SCL) Health family. I am the Vice President for the System Oncology and Cardiovascular service lines. I am so grateful to the senior leaders for bringing me to such an outstanding organization and allowing me an opportunity to help us grow and expand the oncology program for the communities and patients we serve. In addition, Denver and Colorado overall are wonderful places to live. My bread stays fresh longer; my crackers do not go stale. It is the little things in life that are so important. I suppose I do not need to mention the views are so breathtakingly beautiful and the weather is fabulous, especially coming from Texas. I enjoy having four seasons for the first time in my life.

I have spent the first ten months of my time at SCL Health meeting the physicians, care givers, all the associates, leaders and visiting all the facilities within our health care network. I am so impressed with what I have discovered and learned. The physicians are great clinicians dedicated to their patients and communities. The associates and all the leaders are passionate about their work and ministry. The leaders’ vision for oncology care is very strategic, innovative and focused on the patient overall experience. Everyone wants to move forward and continue to build and grow on the strengths of the oncology program to offer enhanced technologies, advanced care, targeted therapies, and a broader range of support services to those we serve.

I have been in health care 38 years and I have never seen such a dedicated and passionate clinical, support and leadership team wanting to move forward with the patients and the care they receive as their primary focus and attention. This is solid foundation in which we can build and grow.

I have had an opportunity attend a few patient related events around Colorado and Montana. The patients, their families and communities feel the same about SCL Health as I do. They love their physicians and are grateful for the quality and patient centeredness of services provided. I have heard nothing but positive things and it is our goal to continue to make the patients happy.

We have developed our oncology strategic plans for the next five years. Included will be new cancer centers, new advanced therapies and comprehensive support services for the patients and communities we serve today, but also expanding into new areas of Colorado and Montana. One of our many goals is to be innovative and to try and bring cancer care closer to home. We have outlined our roadmap for the future and now it is time we all come together and make it happen.

We will be very busy in the upcoming years. I am so excited to be on this journey with everyone and I have no doubt we will achieve our goals. SCL Health is known today for cancer care, but it will become the Oncology Network for Colorado, Montana and the Western States known for its service to patients and excellence in oncology care, including research as well.

I look forward to future opportunities to share our goals, vision and progress.

Sincerely,

Donna Bowers, JD, RHIA, CHP
Vice President
SCL Health
Director’s Welcome

Lynne Bentley, RN, PhD, MBA
AOCNS Director
Saint Joseph Hospital | Cancer Centers of Colorado

The mission of Saint Joseph Hospital | Cancer Centers of Colorado is to foster the highest level of health and healing, with kindness and compassion for our patients, and their loved ones. As Colorado’s only accredited academic comprehensive community cancer program, we provide the same high quality care, and advanced technology that can be found at a national cancer institute, while caring for patients in their home community.

This year, our focus is on developing disease site specific teams to drive innovative changes that significantly impact clinical outcomes and the quality of life of cancer patients and their families. Partnering with National Jewish Health, lung cancer is a main emphasis and we implemented a smoking cessation project and pulmonary nodule screening clinic process. Breast cancer services are expanding and a multidisciplinary clinic is in development.

Our research department, molecular medicine and genomic profiles, and advanced technology provide highly sophisticated and personalized treatment options. Radiation oncology treatment options include Stereotactic Body Radiation Therapy (SBRT), Intensity Modulated Radiation Therapy/Volumetric Arc Therapy (IMRT/VMAT), Stereotactic Radiosurgery (SRS), and Image Guided Radiation Therapy (IGRT). Medical oncology uses biotherapy in combination with chemotherapy, molecular medicine and genomics for precise and effective personalized treatment. Surgical oncology techniques focus on advances that reduce side effects and provide greatest benefit.

Our surgical, medical and radiation oncology teams partner to provide patients and families with a seamless experience and personalized options for best care. Our multi-disciplinary team of fellowship trained medical, surgical and radiation oncologists, psychologist, oncology certified RNs, oncology nurse navigators, mammographers, sonographers, radiation therapists, nutritionists and other support staff, offers a cohesive, streamlined, seamless patient experience.

We take a proactive approach to preventing cancers through educational offerings, screenings and community outreach events. Our breast care center and mobile mammography van provide the newest options for screening and diagnostic imaging designed to detect cancer at its earliest stage, when there is the best chance for successful treatment.

This unique blend of medical excellence and compassionate care in your home community makes Cancer Centers of Colorado the region’s best place to go for comprehensive cancer care. Welcome to our Cancer Program.

Respectfully Submitted,

Lynne Bentley
Director, Saint Joseph Hospital | Cancer Centers of Colorado

To learn more about Saint Joseph Hospital | Cancer Centers of Colorado visit saintjosephdenver.org/cancercare or call 303-318-3434.
Mission, Vision and Values

Sisters of Charity of Leavenworth Health System
Service Line Oncology Vision and Mission

Vision
SCL Health’s vision is to be recognized as THE destination for cancer-related care and services for the Western Mountain States.

Mission
At SCL Health, we are devoted to putting the patients and their families first. We are committed to the prevention, screening, detection and treatment of cancers.

Our mission is to ensure patients diagnosed with cancer can trust SCL Health for compassionate, comprehensive, well coordinated, high value, quality cancer care.

SCL Health Promotes:
• Screening and cancer prevention
• Advanced treatment, technologies and services
• Cancer care close to home
• Precision medicine and targeted therapies
• Access to national and local clinical trials

Integrated therapies at each SCL Health facility offering cancer services is expected to be part of the system-wide network, providing comprehensive cancer care services and creating cancer care networks within each geographical location.

Our long-term vision is to extend the SCL Health Cancer Care Network beyond our facilities and into other communities building relationships with outstanding health care organizations, thus improving cancer care for more patients.

Saint Joseph Hospital Mission, Vision and Values

Mission
We reveal and foster God’s healing love by improving the health of the people and communities we serve, especially those who are poor and vulnerable.

Vision:
Inspired by our faith,
• We will be distinguished as the premier person-centered health system and trusted partner.
• We will engage patients in their care decisions and share accountability with clinicians and other stakeholders to coordinate care across all settings and improve access, quality, health outcomes and affordability.
• We will grow as community-based health networks in partnership with others who share our vision and values and align with us to be an essential provider to those we serve.

Values:
Caring Spirit  We honor the sacred dignity of each person.
Excellence  We set and surpass high standards.
Good Humor  We create joyful and welcoming environments.
Integrity  We do the right thing with openness and pride.
Safety  We deliver care that seeks to eliminate all harm for patients and associates.
Stewardship  We are accountable for the resources entrusted to us.

To learn more about Saint Joseph Hospital | Cancer Centers of Colorado visit saintjosephdenver.org/cancercare or call 303-318-3434.
Saint Joseph Hospital | National Jewish Health Facts

National Jewish Health | Saint Joseph Hospital

Saint Joseph Hospital and National Jewish Health and have formed a joint operating agreement to provide inpatient and outpatient care together in Colorado. This collaborative care model brings together two leading health care organizations with complementary cultures, missions and dedication to excellence to focus together on providing the best care possible. The strong outpatient approach and specialty expertise of National Jewish Health complements the focused inpatient expertise of Saint Joseph Hospital, increasing our ability to manage patients along the full continuum of care.

Patient Care

Working together, we are creating a stronger and more coordinated model of care that benefits patients, caregivers and the community. We are expanding resources available to our patients and caregivers while delivering the highest value in health care and a great patient experience.

Research

Both National Jewish Health and Saint Joseph Hospital value the profound impact research has on the understanding and treatment of human disease. Our care partnership places a priority on funding the research conducted at National Jewish Health and expanding the involvement of both organizations in clinical research.

Education

Both National Jewish Health and Saint Joseph Hospital have outstanding and complementary teaching programs. Together, we will maximize the capabilities of both institutions to foster collaboration and excellence in the teaching area.

Partnership. Same Award-Winning Care.

The clinical relationship with National Jewish Health, one of the nation’s leading respiratory hospitals, allows Saint Joseph Hospital to offer some of the most advanced treatments for chronic and complex diseases such as:

- Cardiac pulmonary hypertension
- COPD
- Cystic Fibrosis
- Ear, nose and throat conditions and disorders
- Small-cell lung cancers

In addition to treating respiratory and complex diseases, National Jewish Health is also home to some of the newest, most technologically advanced intensive care units in the country, the hospital is able to treat the sickest of the sick better than anyone else.

For more information about Saint Joseph Hospital and National Jewish Health, go to: www.saintjosephdenver.org/about/national-jewish-health/

“By bringing together the best of National Jewish, Saint Joseph, and SCL Health, the future is limitless in terms of what we can do for patients.”
— Dr. Michael Salem
President and CEO
National Jewish Health

To learn more about Saint Joseph Hospital | Cancer Centers of Colorado visit saintjosephdenver.org/cancercare or call 303-318-3434.
Commission on Cancer

The Commission on Cancer (CoC), a program of the American College of Surgeons (ACoS) recognizes cancer care programs for their commitment to providing comprehensive, high-quality, and multidisciplinary patient centered care. The CoC is dedicated to improving survival and quality of life for cancer patients through standard-setting, prevention, research, education, and the monitoring of comprehensive quality care. Through the CoC, a cancer program has access to reporting tools to aid in benchmarking and improving outcomes at the accredited facility as well as educational and training opportunities, development resources, and advocacy.

According to the CoC, cancer program surveys are a comprehensive evaluation of the entire scope, organization and activity of a cancer program. A survey is performed every three years by a physician surveyor who is specially trained to evaluate compliance with the 34 standards set forth by the commission.

In recognition of its delivery of outstanding cancer care, Saint Joseph Hospital was accredited with commendation by the American College of Surgeons (ACoS) in 2014 in the following standards:

1.9 Clinical Trial Accrual
1.11 Cancer Registrar Education
1.12 Public Reporting of Outcomes
2.1 College of American Pathologists Protocols
2.2 Nursing Care
5.2 RQRS Participation
5.5, 5.6 Data Submission; Accuracy of Data

Saint Joseph Hospital is one of 18 accredited Cancer programs in the state of Colorado, and one of 10 in the greater Denver area.
Integration and Coordination of Comprehensive Cancer Services

Radiation Oncology
- External Beam Radiotherapy (XRT)
- 3D Conformal Radiotherapy
- Intensity Modulated Radiation Therapy (IMRT)/Volumetric Arc Therapy (VMAT)
- Image Guided Radiation Therapy (IGRT)
- VisionRT AlignRT
- Stereotactic Radiosurgery (SRS)
- Stereotactic Body Radiotherapy (SBRT)
- High Dose Rate Brachytherapy (HDR)
- Low Dose Rate Brachytherapy (LDR)

Inpatient Care
- Medical Oncology
- Surgical Oncology
- Pain Management
- Palliative Care

Clinical Research
- Cooperative Group Trials
- Investigator-Initiated Trials
- Industry-Sponsored Trials
- Externally Peer-Reviewed Trials

Cancer Support Services
- Psychology
- Spiritual Care
- Social Work
- Survivorship
- Dietitian
- Complementary Therapies
- Support Groups
- Community Outreach
- Certified Health Care Reform
- Financial Counseling

Genetics
- Genetic Screening
- Genetic Testing
- Genetic Counseling

Imaging
- General Medical Imaging
- Diagnostic
- Digital Mammography
- Mobile Mammography
- Ultrasound
- Breast Ultrasound
- Transrectal Ultrasound
- Computerized Tomography (CT)
- Magnetic Resonance Imaging (MRI)
- Positron Emission Tomography (PET CT)
- Nuclear Medicine Imaging
- Bone Density
- Interventional Radiography

Medical Infusion
- Chemotherapies
- Antibiotic and Hydration
- Infusion Therapies
- Blood Products

Surgical Oncology
- Gynecologic Surgery
- Colorectal Surgery
- Neurosurgery
- Breast Surgery

SCL Health Oncology Vision and Mission

Vision: SCL Health’s vision is to be recognized as THE destination for cancer-related care and services for the Western Mountain States.

Mission: At SCL Health, we are devoted to putting the patients and their families first. We are committed to the prevention, screening, detection and treatment of cancers. Our mission is to ensure patients diagnosed with cancer can trust SCL Health for compassionate, comprehensive, well-coordinated, high-value, quality cancer care.
## Cancer Committee and Service Leadership

### Required Coordinators

<table>
<thead>
<tr>
<th>Role</th>
<th>Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cancer Committee Chairperson</td>
<td>Gregory Britt, MD</td>
</tr>
<tr>
<td>Cancer Conference</td>
<td>Shawn Young, MD</td>
</tr>
<tr>
<td>Quality of Cancer Registry Data</td>
<td>Deborah Cook, MD</td>
</tr>
<tr>
<td>Quality Improvement</td>
<td>Catherine Bieker</td>
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<tr>
<td>Community Outreach</td>
<td>Whitney Baylor</td>
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<tr>
<td>Cancer Liaison Physician</td>
<td>David Pham, MD</td>
</tr>
<tr>
<td>Psychosocial Coordinator</td>
<td>Jana Bolduan-Lomax, MD</td>
</tr>
<tr>
<td>Clinical Research Representative or Coordinator</td>
<td>Stacy Grolnic</td>
</tr>
</tbody>
</table>

### Required Non-Physician Membership

<table>
<thead>
<tr>
<th>Role</th>
<th>Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oncology Nurse</td>
<td>Amanda Reff</td>
</tr>
<tr>
<td>Social Worker/Case Manager</td>
<td>Jeanice Hansen Oncology LCSW</td>
</tr>
<tr>
<td>Certified Tumor Registrar</td>
<td>Kimberly Erickson, CTR</td>
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<tr>
<td>Performance Improvement Professional</td>
<td>Catherine Bieker, RHIT, CTR</td>
</tr>
<tr>
<td>Pain Control/Palliative Care Physician</td>
<td>Dr. James Willett</td>
</tr>
<tr>
<td>Clinical Research Coordinator</td>
<td>Stacy Grolnic RN, BSN, CCRP</td>
</tr>
<tr>
<td>Administration</td>
<td>Lynne Bentley, RN, PhD, MBA</td>
</tr>
<tr>
<td>Rehabilitation Services</td>
<td>Sarah Rickel</td>
</tr>
<tr>
<td>Genetics Professional/Counselor</td>
<td>Jennifer March, M.S., CGC</td>
</tr>
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### Required Physician Membership

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<tr>
<th>Role</th>
<th>Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Radiologist</td>
<td>Jerome Schroeder, MD</td>
</tr>
<tr>
<td>Pathologist</td>
<td>Stephen Rohan, MD</td>
</tr>
<tr>
<td>General Surgeon</td>
<td>Shawn Young, MD</td>
</tr>
<tr>
<td>Medical Oncologist</td>
<td>Gregory Britt, MD</td>
</tr>
<tr>
<td>Radiation Oncologist</td>
<td>Mark Chidel, MD</td>
</tr>
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### Additional Committee Members

<table>
<thead>
<tr>
<th>Role</th>
<th>Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cancer Registry</td>
<td>Kimberly Erickson, CTR, Kim Mostek, RHIT, CTR</td>
</tr>
<tr>
<td>Breast Center</td>
<td>Denise Norton, MD, Julie Barone, MD</td>
</tr>
<tr>
<td>Nutrition</td>
<td>Sonya Woudstra, RD</td>
</tr>
<tr>
<td>Pharmacy</td>
<td>Christopher Wilson, PharmD, BCPS</td>
</tr>
<tr>
<td>Infusion Center Outpatient</td>
<td>Lynne Bentley</td>
</tr>
<tr>
<td>Colorado Cancer Research Program</td>
<td>Sejal Taylor, RN</td>
</tr>
<tr>
<td>Kaiser Permanente Research Program</td>
<td>Zach Jordan</td>
</tr>
<tr>
<td>Psychiatric Professional</td>
<td>Jana Bolduan Lomax, PsyD</td>
</tr>
<tr>
<td>Radiation Oncology Director</td>
<td>Karen McGraner RT(R)(T)</td>
</tr>
<tr>
<td>Patient Navigators</td>
<td>Sandra Walters, Whitney Baylor</td>
</tr>
<tr>
<td>Director of Breast Center</td>
<td>Pam Heller</td>
</tr>
<tr>
<td>Oncology Nurse</td>
<td>Amanda Reff</td>
</tr>
</tbody>
</table>

To learn more about Saint Joseph Hospital | Cancer Centers of Colorado visit saintjosephdenver.org/cancercare or call 303-318-3434.
Cancer Committee and Oncology Physicians Leadership

Saint Joseph Hospital - Cancer Centers of Colorado is led by a team of renowned Cancer Committee members and oncology leaders who collectively have more than 70 years extensive experience in cancer care. They exclusively dedicate their practice to the care of patients with cancer. Both referring physicians and patients can be assured of high quality cancer care because Saint Joseph Hospital Cancer Committee members and oncology leaders are some of the best in the region, through their fellowship training and clinical experience.

**Dennis J. Ahnen, MD, AGAF, FACP**

**Medical School:** Wayne State University (1973)
**Residency:** Internal Medicine (1977), Hutzel Hospital
**Fellowship:** Gastroenterology (1980), University of Colorado Health Science Center
**Board Certification:** Internal Medicine & Gastroenterology

**Ari Ballonoff, MD**

**Specialty:** Radiation Oncology
**Philosophy of Care:** I believe in individualizing care for each patient by utilizing the latest clinical data and radiation technology wisely. I strive to deliver comprehensive, compassionate medical care to every patient I see.
**Medical School:** University of Colorado Health Sciences Center, Aurora, CO
**Internship:** Internal Medicine, Saint Joseph Hospital, Denver, CO
**Residency:** Radiation Oncology, University of Colorado Health Sciences Center, Denver, CO
**Board Certification:** Radiation Oncology — American Board of Radiology

**Julie L. Barone, DO, FACS**

**Specialty:** Breast Surgical Oncology
**Philosophy of Care:** I am an active proponent of breast health and I believe every patient deserves a complete preoperative workup, allowing them to make an informed decision.
**Medical School:** Nova Southeastern University, Fort Lauderdale, FL
**Internship:** Surgery, Loyola University Medical Center, Chicago, IL
**Residency:** Surgery, Loyola University Medical Center, Chicago, IL
**Fellowship:** Breast Surgery, St. Luke’s Roosevelt/Beth Israel Medical Centers, New York, NY
**Board Certification:** American Board of Surgery

**Jana Bolduan Lomax, PsyD**

**Specialty:** Psychosocial Oncology
**Philosophy of care:** I am a clinical health psychologist with specialized training to work with people whose lives have been affected by cancer. My goal is to improve coping and decrease the stress associated with cancer and its treatments.
**Education:** Illinois School of Professional Psychology at Argosy University
**Fellowship:** Post-Doctoral Training University of Colorado Health Sciences Center Department of Medicine, concentration in Psychosocial Oncology; Hematologic Malignancies and Blood and Marrow Transplant Program, School of Medicine, Denver, CO.
**Internship:** Denver Health Medical Center, Denver, CO

**Gregory Britt, MD**

**Specialty:** Oncology and Hematology
**Medical School:** Georgetown School of Medicine, Washington, D.C.
**Internship:** Internal Medicine, Tufts Medical Center Boston, MA
**Residency:** Internal Medicine, Tufts Medical Center Boston, MA
**Fellowship:** Hematology/Oncology, Beth Israel Deaconess Medical Center, Harvard Medical School, Boston, MA
**Board Certification:** Internal Medicine, Hematology and Medical Oncology

To learn more about Saint Joseph Hospital | Cancer Centers of Colorado visit saintjosephdenver.org/cancercare or call 303-318-3434.
Cancer Committee and Oncology Physicians Leadership

Mark A. Chidel, MD
Specialty: Radiation Oncology

Philosophy of Care: I am dedicated to treating patients and their families with the same concern, empathy and respect I would want extended to my loved ones.

Interests: Skiing, road biking, hiking, photography and driving my son all over the place for his activities.

Medical School: University of Michigan, Ann Arbor, MI.
Internship: Radiation Oncology, Cleveland Clinic Foundation, Cleveland, OH
Residency: Radiation Oncology, Cleveland Clinic Foundation, Cleveland, OH
Board Certification: Radiation Oncology – American Board of Radiology

Sarah Conlon, MD
Specialty: Medical Oncology/Hematology

Philosophy of Care: When a person becomes my patient, I care for that person with the respect and dignity that I would give my own family member. I believe in patient autonomy and try to represent a balanced discussion of treatment options. There are many studies, guidelines and opinions about cancer treatment. My goal is to help patients and their families navigate the information to find the most effective and suitable course of care.

Interests: When I’m not spending time with my family, I prefer to be running, swimming, reading and sewing, or any activity that generally allows me to avoid housework.

Medical School: University of Vermont, College of Medicine, Burlington, VT
Internship: Internal Medicine, Santa Clara Valley Medical Center, San Jose, CA
Fellowship: Hematology/Oncology Fellowship, University of California, Davis, Sacramento, CA
Board Certification: Internal Medicine, Hematology and Medical Oncology

Deborah Cook, MD
Specialty: Medical Oncology

Philosophy of Care: It is essential to see each patient as a human being, not a diagnosis.

Interests: Spending time with husband and friends, playing with dog, skiing and hiking.

Medical School: University of Colorado School of Medicine, Denver, CO
Internship: Internal Medicine, Saint Joseph Hospital, Denver, CO
Residency: Internal Medicine, Saint Joseph Hospital, Denver, CO
Fellowship: Geriatric Oncology Fellowship, University of Colorado, Denver, CO
Board Certification: Medical Oncology

Kerry Fisher, MD
Specialty: Medical Oncology/Hematology

Philosophy of Care: I believe each patient is unique and has different goals and priorities. I try to see beyond the protocols and treatment guidelines to find the right treatment and support for that individual. If we don’t discover what is important to the individual with cancer we won’t be able to satisfy their unique needs. Science is important and is our hope for the future. Communication is the tool that takes us to the heart of that individual’s hopes, needs and goals.

Interests: Playing guitar, golf, fly fishing, skiing, photography and travel.

Medical School: Indiana School of Medicine, Indianapolis, IN
Internship: Internal Medicine, Methodist Hospital of Indianapolis, Indianapolis, IN
Residency: Internal Medicine, Methodist Hospital of Indianapolis, Indianapolis, IN
Fellowship: Geriatric Oncology Fellowship, University of Colorado, Denver, CO
Board Certification: Internal Medicine, Medical Oncology and Hematology

To learn more about Saint Joseph Hospital | Cancer Centers of Colorado visit saintjosephdenver.org/cancercare or call 303-318-3434.
Michelle Lee Klem, MD
Specialty: Radiation Oncology
Philosophy of Care: As a physician, I find that the best part of my job is developing meaningful relationships with my patients. I enjoy the connection that often develops when a physician, patient and family are working closely together to treat an illness. I find that I learn so much from my patients as I watch them face their challenges. As an oncologist, I think it is critical that physicians work together across specialties to develop a comprehensive plan for cancer care. I focus on making sure we have a collaborative approach and that all the physicians involved are on the same page about a treatment plan. I also think it is essential that patients are an integral part of treatment decision making, and that patients and families feel they fully understand a treatment plan, are on board with the overall goals of treatment, and feel comfortable asking questions. It is critical to me to give my patients the best care possible, and I am meticulous about attention to detail in my patients’ care. I truly enjoy what I do as an oncologist and welcome the opportunity to be a part of my patients’ lives.

Medical School: University of Louisville School of Medicine, Louisville, KY
Internship: Internal Medicine, Boston Medical Center, Boston, MA
Residency: Internal Medicine, Beth Israel Deaconess Medical Center, Boston, MA, and Radiation Oncology, Memorial Sloan-Kettering Cancer Center New York, NY
Board Certification: Internal Medicine — American Board of Internal Medicine and Radiation Oncology — American Board of Radiology

Jeffrey Kern, MD
Specialty: Lung Cancer
Research Interests: Dr. Kern is an expert in how cells in the lung grow, focusing on a family of proteins that regulate cell growth by transmitting signals outside the cell to the inside. These proteins play an important role in keeping a cell’s growth in check. When these proteins malfunction, abnormal growth ensues which can result in lung cancer. Dr. Kern’s research tries to understand how these protein signals are regulated, discover molecules that interfere with this process and might be used as chemotherapy, and discover new proteins regulating cell growth.

Medical School: University of Wisconsin Madison, WI
Residency: Parkland Memorial Hospital, Dallas, TX
Fellowship: Hospital of the University of Pennsylvania, Philadelphia, PA, Fellow, Cardiovascular-Pulmonary Division
Board Certification: American Board of Internal Medicine; ABIM, Pulmonary Subspecialty Certification

Denise C. Norton, MD, FACS
Specialty: Breast Surgical Oncology
Philosophy of Care: “Knowledge is power.” It sounds cliché. But when a patient learns she has breast cancer I educate her about the disease and treatments. This alleviates a lot of anxiety and stress. The majority of women diagnosed with breast cancer will survive their breast cancer. I believe that breast health care and cancer treatments take a team to provide care for the whole person. Our goal is to provide the best diagnostic, surgical, clinical and supportive care available. This can include nutrition, physical therapy, genetic counseling and many other services if needed.

Interests: Traveling with her husband, skiing, hiking, and biking.

Medical School: University of Arizona, Tucson, AZ
Internship: University of Colorado, General Surgery, Denver, CO
Residency: University of Colorado, General Surgery, Denver, CO
Chief Resident: University of Colorado, Denver, CO
Board Certification: American Board of Surgery
Advanced Trauma Life Support Certification
Advanced Trauma Life Support Recertification
Registered Vascular Technician

To learn more about Saint Joseph Hospital | Cancer Centers of Colorado visit saintjosephdenver.org/cancercare or call 303-318-3434.
Cancer Committee and Oncology Physicians Leadership

Brandon Patton, MD
Specialty: Radiation Oncology
Philosophy of Care: Being diagnosed with cancer can be a frightening and intimidating experience. My goal is to empower patients so they realize that they are bigger than the disease itself. Delivering top-notch care involves not only the technical aspects of medicine, but also a compassionate perspective which treats the disease as well as the patient, with attention to their understanding, concerns and involvement in their treatment plan.

Interests: Triathlons, skiing, running, biking, soccer, and traveling.
Medical School: University of Miami School of Medicine, Miami, FL
Internship: Presbyterian/St. Luke’s Hospital in Denver, CO
Residency: University of Miami Jackson Memorial Medical Center, Miami, FL
Chief Resident: University of Miami Jackson Memorial Medical Center, Miami, FL
Fellowship: Brachytherapy, Beth Israel Medical Center, Albert Einstein College of Medicine, NYC, NY

Stephen Rohan, MD
Specialty: Genitourinary Pathology, Prostate Pathology
Medical School: Medical College of Wisconsin, Milwaukee, WI
Residency: Anatomic and Clinical Pathology, New York Presbyterian Hospital, New York, NY
Fellowships: Surgical Oncologic Pathology, Memorial Sloan Kettering Cancer Center, New York, NY
GU Oncologic Pathology, Memorial Sloan Kettering Cancer Center, New York, NY
Board Certification: Anatomic Pathology

Jerome S. Schroeder, MD
Specialty: Breast Imaging/Radiology
Philosophy of Care: I embrace a patient-centered approach to care which involves, informs and empowers each patient to be actively involved in his or her care. I refer to myself as a “clinical radiologist” which reflects my direct involvement in communicating results and recommendations directly to my patients in a personalized manner. Practicing within a “comprehensive” clinical environment allows seamless, efficient and highly specialized care when a breast problem is suspected or diagnosed. In addition to daily clinical duties, I provide one-on-one instruction to medical residents and students throughout the Denver area and beyond. My passion for teaching takes me to clinics and community groups monthly to provide providers and patients alike with the most updated information on breast care.

Interests: Cycling, hiking, stamp/coin collecting, reading, blogging, spending time with my dog and partner (not necessarily in that order!)
Medical School: University of Missouri, Kansas City, MO
Residency: Albert Einstein Medical Center, Philadelphia, PA
Fellowship: University of Colorado Health Sciences Center, Denver, CO
Board Certification: American Board of Radiology

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Cancer Committee and Oncology Physicians Leadership

continued

James Willett, MD
Specialty: Palliative Care

Philosophy of Care: As a palliative care provider, I feel privileged to care for patients and families faced with serious illness. My role, quite simply, is to improve their quality of life. I work with a team of health professionals to relieve the discomforts of illness — be they physical, psychological, social, or spiritual. While I specialize in pain and symptom management, I mostly enjoy helping patients better understand their illness and options in treatment, so that they can more easily choose the path of care that best aligns with their goals and values. I further have an interest and background in medical ethics. My philosophy of patient care is to approach every situation with compassion, humility, and an open mind.

Medical School: University of Pennsylvania School of Medicine, Philadelphia, PA
Internship: University of Colorado Health Sciences Center, Aurora, CO
Residency: University of Colorado Health Sciences Center, Aurora, CO
Fellowship: Medicine, Harvard Medical School, Boston, MA
Board Certification: Internal Medicine and Hospice and Palliative Medicine

Shawn E. Young, MD
Specialty: Surgical Oncology

Philosophy of Care: Cancer is an aggressive, arbitrary and relentless disease. I believe cancer treatment should reflect this nature with equally aggressive care, while maintaining the ultimate goal of improving patient survival and preserving a high quality of life. The most reliable way of attaining these goals is through a multidisciplinary model where experts in cancer care are synchronously engaged and focused on the patient at hand. Only by working in close and frequent concert can the medical oncologist, surgical oncologist and radiation oncologist achieve a consistently superior outcome.

Interests: Running, snowboarding, golfing, traveling, and reading.

Medical School: University of North Dakota School of Medicine, Grand Forks, ND
Internship: Internal Medicine, Akron General Medical Center, Akron, OH
Residency: General Surgery, Michigan State University, East Lansing, MI
Fellowship: Surgical Oncology, John Wayne Cancer Institute, Santa Monica, CA
Board Certification: Surgical Oncology — American Board of Surgery
II. Collecting the Facts

Advanced Technology and Experience

One size doesn’t fit all. That’s why at Saint Joseph Hospital we are committed to providing the right treatment for the right patient at the right time. We turn challenges into opportunities. From screening for financial distress and connecting with the medically underserved to forming alliances with community-based providers, we’re extending care and improving outcomes for more patients than ever before.

SCL Health is committed to offering the latest technology to patients so that Saint Joseph Hospital | Cancer Centers of Colorado leads the way in implementing new technology and techniques. This investment solidifies our commitment to give back and address the greatest healthcare needs of the communities we serve. Technology and expertise improve care, and we are committed to delivering the best technology and medical advancements available.

To learn more about Saint Joseph Hospital | Cancer Centers of Colorado visit saintjosephdenver.org/cancercare or call 303-318-3434.
SCL Health System Cancer Registry

Catherine Bieker, BS-HCA, CTR, RHIT
Cancer Registry Director and
Saint Joseph Hospital Cancer Committee
Quality Improvement Coordinator

Cancer Registry Overview

Saint Joseph Hospital’s oncology cases are abstracted by the SCL Health System Cancer Registry. The SCL Health Cancer Registry Database houses cases and data for all SCL Health care facilities in Colorado with the exception of Platte Valley Medical Center (PVMC). PVMC will convert along with the 3 SCL Health Montana Care Sites the first quarter of 2017 for a total of nine hospitals and the four SCL Health Community Hospitals.

The SCL Health Cancer Registry abstracted 1,757 analytical cases for Saint Joseph Hospital in 2015. Analytical cases are newly diagnosed cancer cases that meet the following criteria. The cancer was 1) diagnosed, 2) diagnosed and treated, or 3) diagnosed elsewhere and treated at Saint Joseph Hospital. The top six cancer body sites in 2015 were; breast, lung, colorectal, uterus, skin, and prostate. Basal cell and squamous cell skin cancers are not reported per state and national guidelines and not included in these numbers.

Cancer Registry Data

The State of Colorado requires hospitals to report all new diagnosed cancer cases to the Colorado Central Cancer Registry (CCCR) which is a division of the Colorado Department of Public Health and Environment (CDPHE). These cases are called abstracts and consist of all of the patient’s diagnostic workup, treatment, and recurrence information. The CCCR combines any treatment received at outside facilities, de-identifies the abstracts and submits that data to national databases where it is used for statistical and research purposes.

By monitoring diagnosed cases and the treatments received, the CDPHE can develop prevention and screening programs for Colorado’s residents. Additionally, researchers can assess treatment for effectiveness with the goal of providing future cancer patients with improved treatment and outcomes. Saint Joseph Hospital senior-level leadership and the SCL Health Oncology Service Line use the registry’s data to ensure community and patient needs are being met and the highest quality of care is provided. Patient privacy laws are strictly adhered to throughout the entire reporting process.

Cancer Registry Requirements

The cancer registrars are responsible for identifying all eligible oncology cases seen at Saint Joseph Hospital through an extensive medical record review process called case finding. Once an eligible case is identified the registrar will abstract all required information. The entire medical record is reviewed, including diagnostic imaging, pathology reports, consultations, treatment summaries and follow up visits. The required information is entered into the SCL Health Cancer Registry Database, checked for quality and reported to the Colorado Central Cancer Registry (CCCR) and the National Cancer Database (NCDB).

Accreditation

Saint Joseph Hospital is accredited by the American College of Surgeons Commission on Cancer (CoC) and the National Accreditation Program of Breast Centers (NAPBC). These accreditations provide Saint Joseph Hospital with the opportunity to report case data to the National Cancer Database (NCDB). By submitting this data Saint Joseph Hospital can participate in the Cancer Program Practice Profile Reports also known as the CP³R(v3) and the
Rapid Quality Reporting System (RQRS). The CP³R reports provide the ability to benchmark evidence-based care standards against other accredited facilities at the national level for colon, rectal and breast care pathways. In addition, comparison reports can be pulled for any cancer body site and comparisons made against other CoC accredited programs. Examples of reports include, but are not limited to; stage at diagnosis, survival by stage and treatment modalities.

RQRS is the newest reporting and quality improvement tool that Saint Joseph Hospital can utilize to assess the adherence of patient care to the National Quality Forum (NQF) endorsed quality of care cancer measures while the patient is still undergoing treatment.

The SCL Health Cancer Registry exceeds the state’s requirements in timeliness and accuracy and follows each patient annually for the rest of their lives. Every registrar receives education annually and abstractors are required to be a Certified Tumor Registrar (CTR).

“**Our guiding principle is to keep the patient’s needs at the center of each decision we make.**”

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To learn more about Saint Joseph Hospital | Cancer Centers of Colorado visit saintjosephdenver.org/cancercare or call 303-318-3434.
## Summary of Data 2015

### 2015 Saint Joseph Hospital New Cancer Cases — Body Site By AJCC Stage Tabulation

This report includes 2015 analytical cases; those diagnosed and/or treated at Saint Joseph Hospital in 2015. New Diagnoses only, does not include recurrences.

<table>
<thead>
<tr>
<th>Body Site Name</th>
<th>Number of Cases</th>
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<th>AJCC Stage</th>
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<td>Male</td>
<td>Female</td>
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</tr>
<tr>
<td>Overall Totals</td>
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<td>1124</td>
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<tr>
<td>Oral Cavity</td>
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<tr>
<td>Lip</td>
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</tr>
<tr>
<td>Tongue</td>
<td>26</td>
<td>15</td>
<td>11</td>
</tr>
<tr>
<td>Oropharynx</td>
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<tr>
<td>Other</td>
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<td>Colon</td>
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<td>46</td>
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<tr>
<td>Rectum</td>
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<tr>
<td>Anus/Anal Canal</td>
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<tr>
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To learn more about Saint Joseph Hospital | Cancer Centers of Colorado visit saintjosephdenver.org/cancercare or call 303-318-3434.
Summary of Data 2015
continued

2015 Saint Joseph Hospital New Cancer Cases — Body Site By AJCC Stage Tabulation, continued
This report includes 2015 analytical cases; those diagnosed and/or treated at Saint Joseph Hospital in 2015. New Diagnoses only, does not include recurrences.

<table>
<thead>
<tr>
<th>Body Site Name</th>
<th>Number of Cases</th>
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<th>II</th>
<th>III</th>
<th>IV</th>
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<td>Male</td>
<td>Female</td>
<td>126</td>
<td>623</td>
<td>294</td>
<td>221</td>
<td>279</td>
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<tr>
<td>Overall Totals</td>
<td>1755</td>
<td>631</td>
<td>1124</td>
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<td></td>
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<td></td>
<td></td>
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<td>186</td>
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<td>17</td>
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### 2015 Saint Joseph Hospital New Cancer Cases — Body Site By AJCC Stage Tabulation, continued

This report includes 2015 analytical cases; those diagnosed and/or treated at Saint Joseph Hospital in 2015. New Diagnoses only, does not include recurrences.

<table>
<thead>
<tr>
<th>Body Site Name</th>
<th>Number of Cases</th>
<th>Sex</th>
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<td>Female</td>
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<td>I</td>
<td>II</td>
<td>III</td>
<td>IV</td>
<td>UNK</td>
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<tr>
<td>Overall Totals</td>
<td>1755</td>
<td>631</td>
<td>1124</td>
<td>126</td>
<td>623</td>
<td>294</td>
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<td>1</td>
<td>2</td>
<td>6</td>
<td>4</td>
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</tbody>
</table>

*Data Source: 11/2/2016; K. Erickson, SCL Health Cancer Registry Database.*
Summary of Data 2015

continued

2015 Saint Joseph Hospital — New Cancer Cases by Gender

This report includes 2015 analytical cases; those diagnosed only, or diagnosed and/or treated at Saint Joseph Hospital in 2015. New diagnoses only, does not include recurrences.

<table>
<thead>
<tr>
<th>Body Site</th>
<th>Male And Female</th>
<th>Male</th>
<th>Female</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Number of Cases</td>
<td>% Of Total Cases</td>
<td>Number of Cases</td>
</tr>
<tr>
<td>Total Cases</td>
<td>1755</td>
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</tr>
<tr>
<td>Accessory Sinuses</td>
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</tr>
<tr>
<td>Adrenal Gland</td>
<td>1</td>
<td>&lt;1%</td>
<td>0</td>
</tr>
<tr>
<td>Anus &amp; Anal Canal</td>
<td>7</td>
<td>4%</td>
<td>3</td>
</tr>
<tr>
<td>Base Of Tongue</td>
<td>15</td>
<td>9%</td>
<td>12</td>
</tr>
<tr>
<td>Blood &amp; Bone Marrow</td>
<td>52</td>
<td>3%</td>
<td>29</td>
</tr>
<tr>
<td>Bones Joints &amp; Articular Cartilage</td>
<td>4</td>
<td>2%</td>
<td>2</td>
</tr>
<tr>
<td>Brain</td>
<td>23</td>
<td>1%</td>
<td>12</td>
</tr>
<tr>
<td>Breast</td>
<td>429</td>
<td>24%</td>
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</tr>
<tr>
<td>Bronchus &amp; Lung</td>
<td>191</td>
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<tr>
<td>Cervix Uteri</td>
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<tr>
<td>Colon</td>
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<tr>
<td>Connective Subcutaneous Other Soft Tissue</td>
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<tr>
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<td>1</td>
</tr>
<tr>
<td>Gum</td>
<td>3</td>
<td>&lt;1%</td>
<td>2</td>
</tr>
<tr>
<td>Heart Mediastinum Pleura</td>
<td>4</td>
<td>&lt;1%</td>
<td>1</td>
</tr>
<tr>
<td>Kidney</td>
<td>62</td>
<td>4%</td>
<td>34</td>
</tr>
<tr>
<td>Kidney, Renal Pelvis</td>
<td>5</td>
<td>&lt;1%</td>
<td>2</td>
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<tr>
<td>Larynx</td>
<td>11</td>
<td>1%</td>
<td>9</td>
</tr>
<tr>
<td>Lip</td>
<td>1</td>
<td>&lt;1%</td>
<td>1</td>
</tr>
<tr>
<td>Liver &amp; Bile Ducts</td>
<td>34</td>
<td>2%</td>
<td>19</td>
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<tr>
<td>Lymph Nodes</td>
<td>50</td>
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<td>27</td>
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<tr>
<td>Meninges</td>
<td>26</td>
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<td>6</td>
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<tr>
<td>Nasal Cavity &amp; Middle Ear</td>
<td>1</td>
<td>&lt;1%</td>
<td>0</td>
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<tr>
<td>Other Fm. Genital Organs</td>
<td>7</td>
<td>&lt;1%</td>
<td>0</td>
</tr>
<tr>
<td>Other &amp; Unspecified Urinary Organs</td>
<td>3</td>
<td>&lt;1%</td>
<td>3</td>
</tr>
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</table>
### 2015 Saint Joseph Hospital — New Cancer Cases by Gender, continued

This report includes 2015 analytical cases; those diagnosed only, or diagnosed and/or treated at Saint Joseph Hospital in 2015. New diagnoses only, does not include recurrences.

<table>
<thead>
<tr>
<th>Body Site</th>
<th>Male And Female</th>
<th>Male</th>
<th>Female</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Number of Cases</td>
<td>Number of Cases</td>
<td>Number of Cases</td>
</tr>
<tr>
<td>Other Biliary Tract</td>
<td>6</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Other Digestive Organs</td>
<td>1</td>
<td>0</td>
<td>1</td>
</tr>
<tr>
<td>Other Endocrine Glands</td>
<td>7</td>
<td>3</td>
<td>4</td>
</tr>
<tr>
<td>Other Ill Defined Sites</td>
<td>2</td>
<td>2</td>
<td>0</td>
</tr>
<tr>
<td>Other Nervous System</td>
<td>20</td>
<td>8</td>
<td>12</td>
</tr>
<tr>
<td>Other Oral Cavity</td>
<td>1</td>
<td>1</td>
<td>0</td>
</tr>
<tr>
<td>Other Parts Of Tongue</td>
<td>11</td>
<td>3</td>
<td>8</td>
</tr>
<tr>
<td>Other/Unspecified Parts Of Mouth</td>
<td>2</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Ovary</td>
<td>42</td>
<td>0</td>
<td>42</td>
</tr>
<tr>
<td>Palate</td>
<td>1</td>
<td>0</td>
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<tr>
<td>Pancreas</td>
<td>42</td>
<td>20</td>
<td>22</td>
</tr>
<tr>
<td>Parotid Gland</td>
<td>6</td>
<td>4</td>
<td>2</td>
</tr>
<tr>
<td>Penis</td>
<td>1</td>
<td>1</td>
<td>0</td>
</tr>
<tr>
<td>Placenta</td>
<td>2</td>
<td>0</td>
<td>2</td>
</tr>
<tr>
<td>Prostate Gland</td>
<td>70</td>
<td>70</td>
<td>0</td>
</tr>
<tr>
<td>Rectosigmoid Junction</td>
<td>1</td>
<td>1</td>
<td>0</td>
</tr>
<tr>
<td>Rectum</td>
<td>37</td>
<td>26</td>
<td>11</td>
</tr>
<tr>
<td>Retroperitoneum &amp; Peritoneum</td>
<td>13</td>
<td>5</td>
<td>8</td>
</tr>
<tr>
<td>Skin</td>
<td>93</td>
<td>59</td>
<td>34</td>
</tr>
<tr>
<td>Small Intestine</td>
<td>10</td>
<td>7</td>
<td>3</td>
</tr>
<tr>
<td>Stomach</td>
<td>25</td>
<td>16</td>
<td>9</td>
</tr>
<tr>
<td>Testis</td>
<td>6</td>
<td>6</td>
<td>0</td>
</tr>
<tr>
<td>Thymus</td>
<td>2</td>
<td>2</td>
<td>0</td>
</tr>
<tr>
<td>Thyroid Gland</td>
<td>67</td>
<td>11</td>
<td>56</td>
</tr>
<tr>
<td>Tonsil</td>
<td>12</td>
<td>12</td>
<td>0</td>
</tr>
<tr>
<td>UNK Primary</td>
<td>22</td>
<td>11</td>
<td>11</td>
</tr>
<tr>
<td>Ureter</td>
<td>1</td>
<td>1</td>
<td>0</td>
</tr>
<tr>
<td>Urinary Bladder</td>
<td>60</td>
<td>46</td>
<td>14</td>
</tr>
<tr>
<td>Vagina</td>
<td>2</td>
<td>0</td>
<td>2</td>
</tr>
<tr>
<td>Vulva</td>
<td>10</td>
<td>0</td>
<td>10</td>
</tr>
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</table>
### Leading Sites of New Cancer Cases by Gender
#### 2015 US Estimate & 2015 Saint Joseph Hospital Cases

This report includes estimated numbers from the ACS for the US in 2015 and actual 2015 new diagnoses for SJH. SJH cases are analytical cases; those diagnosed only, or diagnosed and/or treated at Saint Joseph Hospital in 2015.

<table>
<thead>
<tr>
<th>BODY SITE</th>
<th>MALE</th>
<th>FEMALE</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>US</td>
<td>SJH</td>
</tr>
<tr>
<td>TOTAL CASES</td>
<td>848,200</td>
<td>640</td>
</tr>
<tr>
<td>Breast</td>
<td>0.3%</td>
<td>0.0%</td>
</tr>
<tr>
<td>Prostate Gland</td>
<td>26%</td>
<td>11%</td>
</tr>
<tr>
<td>Bronchus &amp; Lung</td>
<td>14%</td>
<td>14%</td>
</tr>
<tr>
<td>Colorectal</td>
<td>8%</td>
<td>9%</td>
</tr>
<tr>
<td>Urinary Bladder</td>
<td>7%</td>
<td>7%</td>
</tr>
<tr>
<td>Melanoma Of The Skin</td>
<td>5%</td>
<td>9%</td>
</tr>
<tr>
<td>Non-Hodgkin Lymphoma</td>
<td>5%</td>
<td>9%</td>
</tr>
<tr>
<td>Kidney &amp; Renal Pelvis</td>
<td>5%</td>
<td>6%</td>
</tr>
<tr>
<td>Oral Cavity &amp; Pharynx</td>
<td>4%</td>
<td>6%</td>
</tr>
<tr>
<td>Leukemia</td>
<td>4%</td>
<td>5%</td>
</tr>
<tr>
<td>Liver &amp; Intrahepatic Bile Duct</td>
<td>3%</td>
<td>3%</td>
</tr>
<tr>
<td>Corpus Uteri</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Thyroid Gland</td>
<td>2%</td>
<td>2%</td>
</tr>
<tr>
<td>Pancreas</td>
<td>3%</td>
<td>3%</td>
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</table>

Summary of Data 2015

Leading Sites of New Cancer Cases and Deaths — 2016 Estimates

<table>
<thead>
<tr>
<th></th>
<th>Estimated New Cases*</th>
<th>Estimated Deaths*</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Male</td>
<td>Female</td>
</tr>
<tr>
<td><strong>Prostate</strong></td>
<td>180,890 (21%)</td>
<td>246,660 (29%)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Lung &amp; Bronchus</strong></td>
<td>117,920 (14%)</td>
<td>106,470 (13%)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Colon &amp; Rectum</strong></td>
<td>70,820 (8%)</td>
<td>63,670 (8%)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Urinary Bladder</strong></td>
<td>58,950 (7%)</td>
<td>60,050 (7%)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Melanoma of the Skin</strong></td>
<td>46,870 (6%)</td>
<td>49,350 (6%)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Non-Hodgkin Lymphoma</strong></td>
<td>40,170 (5%)</td>
<td>32,410 (4%)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Kidney &amp; Renal Pelvis</strong></td>
<td>39,650 (5%)</td>
<td>29,510 (3%)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Oral Cavity &amp; Pharynx</strong></td>
<td>34,780 (4%)</td>
<td>25,400 (3%)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Leukemia</strong></td>
<td>34,090 (4%)</td>
<td>26,050 (3%)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Liver &amp; Intrahepatic Bile Duct</strong></td>
<td>28,410 (3%)</td>
<td>23,050 (3%)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>All sites</strong></td>
<td>841,390 (100%)</td>
<td>843,820 (100%)</td>
</tr>
<tr>
<td></td>
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<td></td>
</tr>
</tbody>
</table>

Estimates are rounded to the nearest 10, and cases exclude basal cell and squamous cell skin cancers and in situ carcinoma except urinary bladder.


To learn more about Saint Joseph Hospital I Cancer Centers of Colorado visit saintjosephdenver.org/cancercare or call 303-318-3434.
Quality Improvement Focus at Saint Joseph Hospital

Quality Initiatives 2015-2016

The Cancer Centers of Colorado | Saint Joseph Hospital oncology program continues to grow to enhance services and technology. Our program also continues to challenge ourselves in improving quality, patient-centered care.

- Established SCL/National Jewish Health weekly Thoracic Multidisciplinary Care Conference
- New Mammography Van acquired
- Initiation of Tobacco Cessation Core Measures
- Reflex MGMT Methylation testing on all Glioblastoma Multiforme patients
- Implementation of the E-Path Reporter, computer program to import reportable cancer diagnoses directly from Pathology to the Cancer Registry
  - Will facilitate referral of eligible patients for clinical trials
- Implementation of Oncology Quality Dashboard; a quality and performance improvement dashboard to be used by multiple members of the Oncology Service Line at both the care site and system levels.
- Established a partnership and initiated a Breast Reconstruction clinic with surgeons who possess the specialized knowledge and skills to provide in reconstuctive surgery
  - This Clinic established a mechanism to address the breast care needs for our under-served patients.
- Implementation of a non-wire locating process for breast surgeries
- SCL and National Jewish Health initiated planning for implementation of Lung Center of Excellence.
- SCL programmatic strategic planning committee established for clinical quality and operational goals across SCL
- SJH programmatic strategic planning committee established for clinical quality and operational goals

“Every single medical practitioner was fantastic. Empathetic, positive & FUNNY. They took a horrible necessity and made it more than bearable. I even laughed more than once!”

– Saint Joseph Hospital Cancer Centers of Colorado Patient

To learn more about Saint Joseph Hospital | Cancer Centers of Colorado visit saintjosephdenver.org/cancercare or call 303-318-3434.
Multidisciplinary Conference

Multidisciplinary Cancer Conferences are a key component of our cancer program and are integral to patient management at Saint Joseph Hospital, and are considered to be standard of care. The conferences are a way to bring together multidisciplinary teams of clinicians with different areas of expertise to discuss all treatment options and make recommendations to a patient’s treating physician.

The conferences provide a valuable forum for education, consultation and collaboration. Disease Management Teams comprised of physicians specializing in their areas — along with all members of the health care team — present cases for diagnostic and therapeutic assessment, while referencing national treatment guidelines, clinical research and other relevant literature for treatment planning in order to obtain the best clinical outcomes for our patients.

During this year, multidisciplinary care video conferences — in addition to established Saint Joseph Hospital conferences — were initiated among our cares sites: Saint Joseph Hospital, National Jewish Health, Good Samaritan Medical Center, and Lutheran Medical Center, with plans to expand throughout the Sisters of Charity of Leavenworth (SCL) Health Systems during the next year. We believe that communication between our care teams and communities of practice encourages hospital programs across regions to work together, allowing expertise to be shared between hospital programs and providers for the benefit of our patients.

In 2015 there were a total of 499 cases from January to November. All major cancer sites were represented in care conference case presentations.

Benefits of Multidisciplinary Care Conference

Cancer care is complex, and research has provided patients and clinicians with more options to treat and cure the disease. Making the best choice for the situation and an individual patient is facilitated by multidisciplinary discussion at Saint Joseph Hospital and through the SCL Health System.

Evidence suggests that patients whose cases are reviewed at a care conference are more likely to receive evidence-based care, to have all treatment options considered, and to have better survival than patients whose cases were not discussed.

Additionally, the benefits to a patient’s treatment plan, a care conference is a mechanism for peer review (quality assurance) of pathology reports and diagnostic images.

Multidisciplinary Care Conferences help build care teams and communities of practice, which decrease clinical isolation and encourage hospitals across regions to work together.

To learn more about Saint Joseph Hospital | Cancer Centers of Colorado visit saintjosephdenver.org/cancercare or call 303-318-3434.
Focus Report — Melanoma

Gregory J. Britt, MD
Chair, Cancer Committee
Medical Director
Section Chief
Hematology/Medical Oncology
Cancer Centers of Colorado
Saint Joseph Hospital

Melanoma

This year’s report on melanoma will focus on recent advances in systemic therapy with particular attention to targeted and immunotherapies. Unlike other forms of skin cancer, melanoma has a predilection for forming metastases and therefore early screening and detection is critical. Among all cancers in the United States, melanoma carries the fifth leading incidence rate among men and is seventh among women.\textsuperscript{1} Risk factors for melanoma include prolonged UV light exposure and we all need to remember to protect ourselves from the harmful rays while enjoying many of our favorite outdoor activities.

Here at the Cancer Centers of Colorado at Saint Joseph Hospital, we are fortunate to have one of Denver’s leading surgical oncologists in Dr. Shawn Young, Director of Surgical Oncology, who is superbly trained in the surgical management of melanoma. In our recent review of all of our melanoma cases from 2015, we consistently met nationally-recognized expert guidelines in delivering surgery of the highest quality. Such procedures consist of wide local excision and, when necessary, sentinel lymph node biopsy and potentially lymph node dissection.

For locally advanced and metastatic disease, we are fortunate that recent research developments have allowed us to make a significant impact on survival and quality of life. Historically, the management of advanced melanoma has been quite difficult, with interferon alfa, interleukin-2, and biochemotherapy offering much toxicity and often disappointing results. While there remains much work to do, patients with advanced melanoma now have renewed hope thanks to targeted therapies and immunotherapy.

We collaborate with our dedicated team of pathologists to look for somatic mutations in the melanoma specimens obtained from our patients with advanced disease. We specifically look for the presence of mutations in BRAF V600, NRAS, and c-kit. Newly FDA-approved targeted oral tyrosine kinase inhibitors, including vemurafenib, dabrafenib, trametinib, and cobimetinib, are now available to patients and specifically interrupt these mutations within the MAP kinase pathway, thereby halting tumor proliferation. More upstream molecular targets, including c-kit, can also be targeted with agents such as imatinib.

Perhaps the most exciting development for patients with advanced melanoma comes in the form of immunotherapy or, more specifically, “checkpoint inhibitors”, which are now approved for use in the adjuvant (after surgery) and metastatic setting. Immunotherapy harnesses a patient’s immune system by unleashing one’s own T-cells to attack cancer. Ipilimumab, a humanized monoclonal antibody against CTLA-4 (cytotoxic T-lymphocyte associated antigen 4) received initial FDA approval in 2011. CTLA-4 acts as the immune system’s inherent brakes on one’s own T-cells. By inhibiting CTLA-4, T-lymphocytes are no longer restrained and are free to fight melanoma cells. Ipilimumab demonstrated improved survival in patients with stages III and IV melanoma.
Even more recently, monoclonal antibodies in the form of nivolumab and pembrolizumab have been approved and work by blocking PD-1 (programmed cell death-1) found on T cells. These checkpoint inhibitors demonstrate improved survival, are relatively well-tolerated, and represent an incredible breakthrough for patients. While both CTLA-4 and PD-1 monoclonal antibody therapies have revolutionized the treatment of patients with advanced melanoma, they are not without the potential for serious side effects and must be used by skilled oncologists. Our experienced medical oncology team, consisting of Lisa Ahrendt, MD, Gregory Britt, MD, Sarah Conlon, MD, Deborah Cook, MD, and Kerry Fisher, MD, has expertise in the use of these important therapies.

Despite the incredible advances in melanoma treatment, it remains a very difficult disease for patients and their families. Here at the Cancer Centers of Colorado at Saint Joseph Hospital, we pride ourselves in offering comprehensive services, including radiation oncology expertise, advanced nursing, skilled pharmacy consultation, nutritional and psychosocial support, genetic counseling, and access to clinical trials.

1 Cancer Statistics 2015, American Cancer Society
Thoracic Oncology Program Report

Jeffrey A. Kern, MD  
Chief, Oncology Division  
Vice-Chair, Department of Medicine  
National Jewish Health

Thoracic oncology program development has made great strides over the past year. Board certified Thoracic Surgeons, Drs. John Mitchell, Michael Weyant, and Robert Meguid, have joined the hospital staff to provide sub-specialty surgical oncology care for our lung cancer patients. With their addition and the hard work of the NJH|SJH nursing and operating room staff, a dedicated thoracic surgery program has been established. Though the program has only been in place for a year, this team has had almost 600 patients referred for lung surgery evaluation and operated on almost 120 patients. This is in addition to the thoracic surgeries performed by our partners at Lutheran Medical Center and in Kaiser Permanente.

Medical oncology has expanded patient access. At National Jewish Health, Shivani, Shinde, MD, is a new oncologist that joined our staff in October. She is developing a hematology and general oncology program at National Jewish Health and providing another route of entry for oncology care. In addition, we have expanded services with the addition of a lung cancer specific multi-disciplinary tumor board with representation from Radiation Oncology, Medical Oncology, Pulmonary Medicine, Interventional Pulmonary, Thoracic Surgery, Thoracic Radiology, Thoracic Pathology and our research program. To make this accessible across the Front Range, we have taken advantage of the system’s video-conferencing capability. Every Thursday at noon, physicians from National Jewish Health, Saint Joseph Hospital, Good Samaritan Hospital and Lutheran Medical Center join the video conference for presentation of difficult cases and get input from all specialties to develop the best treatment approach and plan. This conference allows input of opinions, and quickly and seamlessly navigates patients through a diagnostic and therapeutic evaluation that can be quite complicated.

We are extending an established lung cancer screening program at National Jewish Health to Saint Joseph Hospital. We know that early diagnosis can identify lung cancers when they are small, localized and curable. The screening process is complicated with many steps requiring an explanation of the program to high risk patients that qualify for screening (individuals between the ages of 55-80 yo with a 30 pack year smoking history and currently smoking or quit within the past 15 years), referral of actively smoking patients to a smoking cessation program, performing the screening chest CT, and meeting again to review the findings and set up ongoing screening if needed. Many technological issues had to be solved, such as how to transfer chest CTs between institutions, and how to get results into different electronic medical records. With great support from key individuals at each hospital those problems have been solved allowing us to move forward with a combined screening program. Building on this, our next goal will be to expand screening throughout the system for a program that uniformly provides the highest level of clinical practice with easy patient access.

To learn more about Saint Joseph Hospital | Cancer Centers of Colorado visit saintjosephdenver.org/cancercare or call 303-318-3434.
Research is an important part of our oncology program. Testing the newest drugs, defining the best possible approach to treatment, and investigating new diagnostic and therapeutic tests through clinical trials is how we contribute new knowledge and better care. We have focused on putting together the necessary organization to perform high quality research through the National Jewish Health|Saint Joseph Hospital partnership. There are many hospital, federal, and ethical issues that have to be addressed in developing such a program. Providing the highest quality care and ensuring patient well-being while performing important research is critically important. During the past year, with the help of many individuals at both facilities, we have managed to begin this process. This work has led to a consolidation of some services offered at both institutions to avoid duplication – such as having one Institutional Review Board oversee some studies involving shared patients instead of one board at each hospital, developing a repository of tissue donated for research studies that represents both sites, and having research coordinators with regulatory oversight that can work at either site. These efforts contributed to our success in an award from the National Cancer Institute to compare the results of new lung cancer treatments; advanced radiation oncology against thoracic surgery for the treatment of lung cancer. This is the first such award for the National Jewish Health Saint Joseph Hospital partnership.

With these successes, we are developing our approach to thoracic oncology and lung cancer. We are defining existing strengths at each institution as well as areas that need to be improved. Our goal is to have National Jewish Health|Saint Joseph Hospital become the west’s premier facility for the diagnosis and treatment of lung cancer patients. We will ensure that needed services are in place and develop advanced services to support the program. We have begun to do that with the introduction of thoracic surgery and interventional pulmonary to the National Jewish Health|Saint Joseph Hospital relationship.

As we look toward the future, I think we can truly see that together the National Jewish Health|Saint Joseph Hospital partnership is bringing unique lung cancer care to our community as a lung cancer center of excellence, uniting with our patients and physicians to improve health.

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**Face up to Smoking!**
The Centers for Disease Control and Prevention says that cigarette smoking is the number one risk factor for lung cancer and that, in the US, cigarette smoking is linked to about 90 percent of lung cancers. Saint Joseph Hospital | Cancer Centers of Colorado works with patients and families to provide smoking cessation resources and support programs to sustain positive outcomes, not only for lung cancer survivors, but for everyone. For more information about smoking and how to plan a quit strategy, visit Saint Joseph Hospital’s Health Library and the Colorado QuitLine.
Community Outreach Overview

Whitney Baylor MS, RN, WCC
Community Outreach Liaison

All community outreach is approached and inspired by the mission, vision and values of Saint Joseph Hospital.

As an accredited American College of Surgeons Commission on Cancer program, Saint Joseph Hospital periodically conducts a community needs assessment (CNA). The purpose of the CNA is to:

• Identify health disparities
• Identify populations served
• Identify health care barriers
• Document activities and outcome metrics
• Identify areas for quality improvement, enhancement and future directions
• Describe the navigation process to meet the needs of the community

Several disparities were identified as focused initiatives based on the 2012 Saint Joseph Hospital Community Health Needs Assessment and the Colorado Cancer Plan 2010 – 2015. Since then, multiple programs have been either initiated or improved upon to better serve our community.

Colorectal Cancer (CRC) Screening

Saint Joseph Hospital has held a partnership with The Colorado Colorectal Screening Program (CCSP) since 2007 to help improve the screening efforts for CRC in Denver and surrounding communities. Funds are awarded yearly and utilized to offset some of the cost in providing screening colonoscopies to the uninsured and low income patients in the area.

Additional effort was made this year to educate primary care colleagues in the SCL system and surrounding community clinics about the need to increase CRC screenings in order to better serve the community. We also looked for opportunities to educate the public on the importance of screening and early detection.

Community Outreach

Saint Joseph Hospital is committed to reveal and foster God’s healing love by improving the health of the people and communities we serve, especially those who are poor and vulnerable. Congruent with our Mission, we have three clinics — Bruner, Seton, and Caritas Clinics that provide access to care for women, those with acute illness treatment, chronic disease management, and health care needs, and for the entire family, regardless of age, gender or type of care needed. Through these clinics, screenings are also provided and reported within this report.

<table>
<thead>
<tr>
<th>Screening Test</th>
<th>Number</th>
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<tbody>
<tr>
<td>Colonoscopy</td>
<td>31</td>
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<tr>
<td>FIT</td>
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<tr>
<td>Colposcopy</td>
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<td>LEEP</td>
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<td>Pap Smear</td>
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<tr>
<td>Surgical Path</td>
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Screening Guidelines

The American Cancer Society recommends cancer screening guidelines for most adults. Screening tests are used to find cancer before a person has any symptoms. You may visit the American Cancer Society website, www.cancer.org, or call toll-free number, 1-800-227-2345, to get more details on cancer screening guidelines or to learn more about what you can do to help reduce your risk of getting cancer.

Other health, wellness and prevention information can be found at www.saintjosephdenver.org.
Community Outreach Overview
continued

Our Breast Center obtained a new Mammography (MMU) van this year. This led to growth in the screening events within and beyond the Denver area.

<table>
<thead>
<tr>
<th>Total Breast Screening Events</th>
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<tr>
<td>Commercial</td>
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<tr>
<td>Clinic</td>
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<table>
<thead>
<tr>
<th>Total Breast Screenings</th>
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<tbody>
<tr>
<td>Commercial</td>
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<tr>
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<tr>
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</tr>
<tr>
<td>Medicare</td>
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</tr>
<tr>
<td>Self-pay (charity, WWC/SJH, Clinic CO, and uninsured)</td>
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<table>
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<tr>
<th>Patients seen on MMU then at the Breast Care Center</th>
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<tr>
<td>Komen</td>
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<tr>
<td>Medicaid</td>
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</tr>
<tr>
<td>Medicare</td>
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<tr>
<td>Self-pay</td>
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<table>
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<th>Positive Biopsies in the Breast Care Center from MMU</th>
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<tr>
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<tr>
<td>Self-pay</td>
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<tr>
<td>Komen</td>
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</tr>
<tr>
<td>Medicaid</td>
<td>0</td>
</tr>
<tr>
<td>Medicare</td>
<td>0</td>
</tr>
<tr>
<td>Self-pay/Charity/Other</td>
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</table>

The Saint Joseph Hospital | Cancer Centers of Colorado Cancer Committee and Oncology health care teams will continue to demonstrate its commitment to our Mission and exhibit our vision and values in all that we do to serve our community, our patients, and health care teams.

To learn more about Saint Joseph Hospital | Cancer Centers of Colorado visit saintjosephdenver.org/cancercare or call 303-318-3434.
Medical Imaging

The Medical Imaging Department at Saint Joseph Hospital provides some of the highest quality medical imaging and radiology services in the Denver Metro area. Our team of experienced radiologists, skilled nurses, and caring staff are dedicated to treating each patient we see with courtesy and respect in a safe and friendly environment.

Proper staging of all cancers begins with advanced imaging techniques. Medical imaging is rapidly evolving to enhance the diagnosis and treatment of their patients with cancer while reducing associated risks and side effects.

Diagnostic imaging serves varied roles for patients with suspected or proven cancers, including diagnosis, staging, treatment evaluation, as well as surveillance after treatment — whether surgical, medical oncology (chemotherapy) and/or radiation therapy.

Saint Joseph Hospital employs a variety of imaging technologies to precisely stage each patient’s disease and develop a treatment plan. While not all medical imaging exams use radiation or radioactive sources to obtain an image, when radiation is needed, Saint Joseph Hospital practices an "image gently" policy that uses increased shielding to reduce exposure. Additionally, every test and procedure performed in the Medical Imaging Department is done within a hospital continuum of care where safety and emergency protocols are paramount.

Imaging Services at Saint Joseph Hospital | Cancer Centers of Colorado

General Radiography

Mammography

Digital and 3D Mammography at our Cancer Center provide an opportunity to increase rates of early detection. Mammography is considered an invaluable tool against breast cancer.

Computerized Axial Tomography (CT)

Volumetric and 3D capability for diagnostic imaging services throughout the body to include full CT Angiography and cardiac imaging are utilized as diagnostic tools for the SJH patients. CT colonography is also available as the primary screening tool for diagnosis of colorectal cancer.

Magnetic Resonance Imaging (MRI)

MRI imaging services are available which include:


2. Body Imaging — Including cardiac MRI, MRCP, enterography, abdominal, pelvic, and rectal imaging. Breast and prostate imaging can be performed using specialized software — Computer Aided Diagnosis (CAD). Specialized liver specific contrast agents may also be utilized.

3. Musculoskeletal Imaging — All long bones and joint imaging, including arthrograms.

MRI is used in cancer patients to help diagnose and localize any primary or secondary invasion of disease. The images can be used in a surgical setting, or for radiation/gamma knife surgery. Subsequent follow up exams help to determine the effectiveness of treatment.

To learn more about Saint Joseph Hospital | Cancer Centers of Colorado visit saintjosephdenver.org/cancercare or call 303-318-3434.
Ultrasound

Ultrasound imaging for abdominal, breast, obstetric and vascular studies

Nuclear Medicine

Nuclear medicine scans can be used to assist your healthcare provider in diagnosing disease, tumors, infection and other disorders by evaluating organ function. One of the unique features of a nuclear medicine scan is that it shows the “function” of the organ or tissue being evaluated as opposed to just a picture. This helps to determine if the organ is working properly. Some of the specific reasons it may be used include:

- Analyzing kidney function
- Image blood flow and function of the heart
- Scan lungs for respiratory and blood flow problems
- Identify Biliary Dyskinesia and gallbladder function
- Determine the presence or spread of cancer
- Measure thyroid function
- Evaluate bones for fracture, infection, arthritis or tumor
- Identifying and evaluating Gastric Motility

Positron Emission Tomography (PET CT)

Once a diagnosis of colorectal cancer is made by any means, a PET CT (positron emission tomography) is obtained to accurately stage the disease prior to treatments in patients undergoing neoadjuvant chemotherapy or chemo radiation therapy prior to surgery, in patients who are receiving chemotherapy in order to evaluate response, and periodically after initial treatment has been completed as surveillance for the development of recurrent disease.

The three areas in which PET CT is making critical contributions are in:

- Oncology: lung, breast, testicular, ovarian, recurrent colorectal, lymphoma, melanoma, brain tumors, tumor therapy staging and re-staging, and assessing effectiveness of treatments
- Neurology and psychiatry: Diagnosis of Parkinson’s, Alzheimer’s, Huntington’s, epilepsy, and stroke victims
- Cardiology: coronary artery disease and myocardial viability

Positron emission tomography (PET)/computed tomography (CT) scanner is a whole-body imaging tool to more accurately diagnose and manage disease, particularly cancer. A CT scan produces detailed pictures of internal anatomy, and that information is merged with a simultaneously acquired PET scan, allowing physicians to view biological or metabolic activity. Because PET CT can pick up the slightest abnormalities in cellular activity, we are able to detect malignant tumors much earlier, even before the patient experiences any symptoms. Earlier detection increases our chances of finding a treatment that works, can tell a physician the location and size of the tumor, as well as how well a patient is responding to treatment which enables the treatment to be tailored accordingly, and can assist in determining an optimal surgical route.

Interventional Radiology

Today many conditions that once required surgery can be treated non-surgically by the interventional radiologists. Interventional radiology treatments offer less risk, less pain and less recovery time compared to open surgery. Vascular surgeons and interventional radiologists work together to service the community in cardiac related imaging procedures. Some procedures include:

- Uterine Fibroid Embolization
- Vertebroplasty & Kyphoplasty for compression fractures
- Chemoembolization for tumors
- Radio frequency ablation
- Varicocele Embolization

To learn more about Saint Joseph Hospital | Cancer Centers of Colorado visit saintjosephdenver.org/cancercare or call 303-318-3434.
Breast Care Center
and Breast Center Imaging

Pamela Heller RT (R)(M),
Clinical Manager, Breast Care Center

Breast Care Center Overview
The mission of the Breast Care Center is to provide a comprehensive approach to breast cancer screening and the imaging of breast cancer from detection and assessment of extent of disease to monitoring and assisting treatment and follow-up care. The Breast Care Center accomplishes this by providing all aspects of breast cancer imaging entirely within one health care system, interpreted by radiologists dedicated to and specifically trained in the interpretation of breast imaging. This allows for the efficient and accurate flow of patients and information throughout the breast cancer detection, assessment and treatment process. In 2015 the Breast Care Center was designated as a Breast Imaging Center of Excellence by the American College of Radiology (ACR) and obtained full accreditation from the National Accreditation Program for Breast Centers (NAPBC) through the American College of Surgeons. The Breast Care Center and Mobile Mammography Van also received all ACR accreditations and its annual MQSA accreditation.

Breast Center Imaging
The Breast Care Center (BCC) and the Mobile Mammography Van (MMU) are both equipped with the latest state of the art imaging technologies 3D tomosynthesis mammography equipment. Additionally, the BCC can accommodate breast diagnostic exams such as diagnostic mammograms, breast ultrasounds, stereotactic biopsies, ultrasound biopsies and most recently we are one of the few in the state that offers SAVI scout placement in lieu of wire localization.

Partially funded by grants from Susan G. Komen Colorado®, the Saint Joseph Hospital Foundation, and the Colorado Department of Public Health & Environment, the MMU has been crucial in outreaching to underserved communities throughout metro Denver, the western mountain communities, as well as rural northeastern and northern Colorado counties. The MMU serves over 3,000 individuals per year, 50% of whom are self-pay, which means that they do not have health insurance.

Although the MMU accepts most insurance plans, the MMU reflects the mission and values of Saint Joseph Hospital and Komen Colorado, which is to improve access to quality services for uninsured and underserved individuals who are of mammography age.

Since 2013 the MMU has partnered with Colorado’s 9News to provide imaging in conjunction with their “Buddy Check 9News Program.” The MMU has also partnered with various churches, clinics, business partners and shopping centers; Each day the “mammovan” is parked in a different location throughout the 17-county service area so that women can conveniently receive their annual, lifesaving breast screenings.
Breast Care Center and Breast Center Imaging, continued

**Competitive Grant Awards**

**Susan G. Komen Colorado®**

The Colorado Affiliate of Susan G. Komen for the Cure® has supported Saint Joseph Hospital in its mission since 2000 by providing funding to cover the costs of breast cancer screening, diagnostic, and treatment procedures for uninsured, low income members of the community. In 2015, Saint Joseph Hospital Foundation was awarded over $265,857 for breast cancer screening and diagnostics and more than $202,000 for breast cancer treatment by the Komen Colorado Affiliate, through their competitive grants program.

**Women’s Wellness Connection**

Women’s Wellness Connection (WWC) is a breast and cervical cancer screening program administered by the Colorado Department of Public Health and Environment and part of the National Breast and Cervical Cancer Early Detection Program (NBCCEDP). WWC receives federal and state funding and partners with over 130 provider sites in Colorado to screen and diagnose underserved women between the ages of 40-64 years, for breast and cervical cancers. In fiscal year 2015, SJH received nearly $94,049 and was selected through a competitive grants process to screen women at several St. Joseph Hospital locations including the BCC, the MMU, Sister Joanna Bruner Family Medicine Center, and Caritas Clinic. Saint Joseph Hospital and WWC have partnered for over 10 years to provide care for women who would otherwise be unable to access these important cancer screenings and diagnostic services.

**National Accreditation Program of Breast Centers**

According to the ACoS, accreditation by the National Accreditation Program for Breast Centers (NAPBC) is granted only to those centers that are voluntarily committed to providing the best possible care to patients with diseases of the breast. To receive and maintain accreditation, centers must monitor compliance with NAPBC Standard to ensure quality care. You can be assured that it is held to the highest standards of care for patients with diseases of the breast.

The NAPBC works together with its coalition of professional organizations to provide the most efficient and contemporary breast care using scientific evidence about what works best for patients. NAPBC monitors compliance to its standards at each accredited breast center. The NAPBC Board is composed of leadership from many medical disciplines and upholds nationally recognized quality performance measures for breast cancer treatment. The American College of Surgeons (ACoS) monitors compliance which for more than 100 years has led national and international initiatives to improve quality in hospitals.

**Breast Imaging Center of Excellence**

The American College of Radiology’s Mammography Accreditation Program provides facilities with peer review and constructive feedback on staff qualifications, equipment, quality control, quality assurance, image quality and radiation dose. The Mammography Quality Standards Act (MQSA) requires all U.S. mammography facilities to be accredited. Accreditation distinguishes an accredited facility to patients, providers, payers, and organizations.

**MQSA Accreditation**

The Mammography Quality Standards Act (MQSA) was signed into law on October 27, 1992, to establish national quality standards for mammography. The MQSA required that, to perform mammography legally after October 1, 1994, all facilities become certified by the Food and Drug Administration (FDA) (Section 900.12, MQSA Final Regulations) or by an FDA-approved Certifying Agency under the States-As-Certifiers (SAC) program. As part of a facility’s mammography life cycle, it goes through two important initial phases – accreditation and certification. Once certified, a facility must fulfill certain requirements. It must be inspected annually, have an annual medical physics survey, perform periodic quality control tests, and take corrective action, where applicable. Described below are the stages entailed in the accreditation and certification processes.
Physicians and Special Services

A high level of clinical expertise and superior patient care is delivered and modeled by the physicians at the BCC, who are all committed to providing the utmost in breast health and breast cancer care to every single patient. Dr. Jerome S. Schroeder, fellowship trained Radiologist, was chosen as Director of Breast Imaging in 2008 for his knowledge, experience and dedication to ensuring all patients receive the highest level of care in an inclusive and comprehensive environment.

Both Breast Care Center surgeons, Dr. Denise Norton and Dr. Julie Barone, bring a wealth of knowledge and the very highest level of proficiency to their practices. Dr. Norton has over 25 years’ experience in Denver as a surgeon caring for patients with breast cancer and has been the Medical Director for the program at Saint Joseph for seven years.

Dr. Barone is fellowship trained breast surgeon and the founding director of Comprehensive Breast Care of Denver. She is also the Medical Director of the Sisters of Charity of Leavenworth Health System Breast Services working with the three metro Denver breast centers at Good Samaritan Hospital, Lutheran Hospital, and Saint Joseph Hospital since May of 2013.

All three of these accomplished physicians have ensured the continued success of the Breast Care Center through their superior delivery of state-of-the-art breast imaging and surgical services.

Sandra Walters, RN, CBCN, CN-BN, has 17 years of experience and provides patient education and navigation services, ensuring patients receive a seamless continuum of care.

To learn more about Saint Joseph Hospital Cancer Centers of Colorado visit saintjosephdenver.org/cancercare or call 303-318-3434.
The Role of the Pathology Department in the Diagnosis and Treatment of Melanoma

Stephen M. Rohan, MD
Pathology

The work-up of a patient with melanoma, from initial pathologic diagnosis to determination of final pathologic tumor stage, typically involves two separate interactions with a Pathologist. First, a pathologist will render a diagnosis of melanoma on a biopsy that is typically done outside of the hospital setting. These biopsies are usually performed in a dermatologist’s or other healthcare provider’s offices. In almost all melanoma cases, a second procedure — known as a wide local excision — will be required after an initial biopsy diagnosis of melanoma to guarantee that all of the melanoma has been removed. Frequently, lymph nodes — known as sentinel lymph nodes — are also removed at the time of wide local excision. The Department of Pathology at Saint Joseph Hospital generally becomes involved in the care of patients diagnosed with melanoma at the time of these second procedures. For each case we use up-to-date College of American Pathologists (CAP) protocols for reporting the diagnostic and prognostic information that is most relevant for patient care, prognosis, and pathologic staging. Our sentinel lymph node processing protocol utilizes the latest, most sensitive immunohistochemical stains — SOX10 and Melan-A — for diagnosing melanoma metastatic to lymph nodes. Finally, our robust quality assurance program requires that all wide local excision specimens and sentinel lymph nodes are reviewed under the microscope by two board certified Pathologists which helps insure the reliability of our diagnoses.

Specialized Expertise in Melanoma

Critical components of any pathologic diagnosis — especially in unusual or difficult cases — are experience and expertise. The Department of Pathology at Saint Joseph Hospital is fortunate to count Dr. Richard C. Olshock among its most senior members. Dr. Olshock has over 35 years of experience and has a special interest in melanoma and other diseases of the skin. During his career, Dr. Olshock has studied with some of the most well-known dermatopathologists (pathologists who specialize in diseases of the skin) in the world including the late Dr. A. Bernard Ackerman and more recently Dr. Geoffrey Gottlieb. The most challenging melanoma cases seen at Saint Joseph Hospital are usually seen by Dr. Olshock.

Melanoma in the Genomic Era: Beyond the Microscope

Classically melanoma is divided into four categories; superficial spreading melanoma, nodular melanoma, lentigo maligna melanoma, and acral-lentiginous melanoma. In the current World Health Organization (WHO) classification of tumors of the skin an additional six subtypes of melanoma are recognized. These categories and classification schemes are critically important from a diagnostic perspective in that pathologists need to be able to recognize the various types of melanoma as malignant and, equally important, distinguish them from the myriad benign skin tumors that can mimic melanoma under the microscope. To this end, having a pathologist like Dr. Olshock who has extensive experience diagnosing melanoma on staff is very important. However, the microscopic diagnosis is just the beginning of the role pathology plays in the treatment of melanoma. In recent years, specific genetic mutations present in melanoma have been identified and these changes are important for the treatment of melanoma when metastatic beyond the skin to lymph nodes or other organs. Based on the current medical and scientific literature, mutations in three genes — BRAF, KIT, and NRAS — when present predict response to specific medications that can be used to treat metastatic melanoma. The ability to perform tests that detect these mutations is dependent upon pathologists properly identifying appropriate tissue for these tests and processing the tissue to optimize results. At Saint Joseph Hospital we have protocols in place to maximize our ability to both properly diagnosis melanoma and triage tumor tissue for appropriate molecular testing. Furthermore, members of the Department of Pathology are an integral part of the cancer care team at Saint Joseph Hospital that continuously reviews the medical literature to update our protocols so that we are utilizing the latest peer-reviewed evidence in regards to molecular testing in melanoma and other cancers.
Genetic Counseling

Jennifer March, MS, CGC
Saint Joseph Hospital | Cancer Centers of Colorado

In keeping with our mission to provide comprehensive care to our patients, we offer genetic counseling services by a board certified genetic counselor, Jennifer March. About 5-10% of cancers have a hereditary cause. Identifying patients who have a hereditary cause for their cancer is important as the risk for cancer is much higher, the age of onset is much younger, and they are typically at risk for more than one type of cancer. Therefore, once a hereditary cause is identified, it is important to implement more aggressive risk reduction and early detection strategies at younger ages for all types of cancer the individual may be at risk for. Establishing a diagnosis of a hereditary cancer also allows us to identify other family members who may be at increased risk for cancer and may also benefit from increased cancer screening and other risk reducing interventions.

Our goal is to identify individuals at increased risk for cancer before they develop cancer in order to implement strategies to reduce risk or detect it early. To address this issue we have developed our C.A.R.E. (Comprehensive Assessment and Risk Evaluation) Program. The C.A.R.E. Program team members consist of surgeons, medical oncologists, a radiologist, cancer health educator, and genetic counselor as well as a psychosocial team comprised of a psychologist, dietician, and social workers. Patients may be identified for the C.A.R.E. program by their physician or through a questionnaire at the time of their mammogram.

A consultation with our genetic counselor is a key component in identifying individuals and families with heritable cancer susceptibility for the purpose of promoting cancer-risk assessment and awareness, early cancer detection and prevention.

The genetic counseling consult includes the following:

- Analyzing a patient’s personal and family history information to assess risk for cancer and hereditary conditions.
- Coordinating genetic testing when appropriate and interpreting genetic test results.
- Discussing personalized surveillance and preventative options based on risk assessment or genetic test results. NCCN guidelines are provided whenever available.
- Helping patients and their physicians understand and apply genetic test results to medical management decisions.
- Connecting patients to supportive, informative and research-related resources.

Jennifer March, MS, CGC
Saint Joseph Hospital | Cancer Centers of Colorado
1825 Marion St.
Denver, CO 80218
Scheduling: 303-318-3478
Direct Phone: 303-318-1320
Fax: 303-318-3431

To learn more about Saint Joseph Hospital | Cancer Centers of Colorado visit saintjosephdenver.org/cancercare or call 303-318-3434.
Patient Navigation

Sandra Walters, RN, CBCN, CN-BN
Director of Patient Navigation

The Saint Joseph Hospital, Cancer Centers of Colorado is committed to sustaining a process that supports patient-centered care. This is the foundation of all activities, behaviors and outcome initiatives, and includes a focus on safety, patient experience and exceptional communication measures. Patient navigation is a process whereby a cancer patient is skillfully guided through the complexities of the health care system. Patient navigation facilitates patient access to care throughout the continuum spanning screening, diagnosis, treatment and survivorship. Comprehensive services include clinical expertise pertaining to patient education, care coordination, removal of barriers, and referrals to timely resources such as psychosocial, nutrition, financial counseling, transportation, language interpretation and research opportunities.

History

Patient navigation was championed and developed by Dr. Harold P Freeman in 1990 at the Harlem Hospital Center with the goal of improving access to cancer screenings, addressing the delays in clinic follow-up and reducing barriers to cancer care. The pilot program studied survival in breast cancer patients and found an improvement in 5-year survival rates of patients who were navigated from screening through resolution.

Patient Navigators

Saint Joseph Hospital employs four registered nurse care coordinators who provide patient navigation services for the CCC program and who are committed to continually monitoring the navigation process and moving it forward. Sandra Walters, RN, CBCN (Certified Breast Care Nurse), CN-BN (Certified Navigator Breast Nurse) specializes in breast cancer with 17 years’ experience in the field. Walters supports Jerome Schroeder, MD, Breast Radiologist; Denise Norton, MD, Breast Surgeon; and Julie Barone, DO, Breast Surgeon. Blanca Lucero, RN, OCN, with 19 years oncology experience, and Monica Rasmussen, MSN/ED, RN, BSBA, BSM, OCN with 11 years oncology experience, share care coordination/patient navigation for our five medical oncologists and a nurse practitioner (NP) — Dr.’s Lisa Ahrendt, Gregory Britt, Deborah Cook, Sarah Conlon, Kerry Fisher, and NP Kelly Cesary.

To learn more about Saint Joseph Hospital | Cancer Centers of Colorado visit saintjosephdenver.org/cancercare or call 303-318-3434.
Patient Navigation

continued

Whitney Heuring Baylor, MS-RN, WCC is the care coordinator for Shawn Young, MD, Surgical Oncologist, Graham Sellers, MD, and Craig Brown, MD, both GI Oncologic Surgeons.

These RN Care Coordinators guide patients and their families through the health care experience while supporting patient choice, removing barriers to timely care, offering clinical education, providing guidance around decision making, encouraging strong relationships with care providers and connecting patients to appropriate support services.

Role

Through their high level of clinical education and with “anticipatory guidance,” the RN Care Coordinators provide navigation services that optimize advocacy for the patient and the patients’ families. The RN exhibits critical thinking skills and efficient use of resources to solve problems and reduce both potential and existing barriers to quality care that may lead to disparities in cancer treatment outcomes.

These barriers include:

• Language and culture
• Financial and economic
• Communication
• Health care system
• Transportation
• Bias based on culture/race/age/sexual orientation
• Fear
• Adequate understanding and education about disease and treatment

A Patient Navigation Process helps ensure that patients receive culturally competent care that is:

• Confidential
• Respectful
• Compassionate
• Mindful of safety

Collaboration

Patient Navigation is a collaborative effort and includes every department that touches our patient’s experience.

The CCC has placed an emphasis on the shared process by implementing a number of best practices to include:

• An emphasis on staff who speak additional languages, in particular Spanish. We have Spanish-speaking staff in registration, scheduling, RN care coordinating, financial counseling and physician practices. In addition we have an in-house Spanish translator and access to telephonic interpreting in any language.
• A robust psychosocial department to including PsyD’s, Masters prepared Social Workers and Registered Dieticians. In 2016 our Psychosocial Department was able to reduce financial, transportation, and language barriers; 68 patients received grant assistance totaling $55,663 and approximately 135 patients were assisted with their transportation needs.
• Our oncology resource staff also enhanced patient access to community resources and frequently collaborated with the American Cancer Society for lodging and wigs; coordination of local support and resource programs through the oncology social worker network in the community. We now have an ACS service center and wig boutique in our cancer center.
Patient Navigation

continued

Goals

• Every new patient will be connected to an RN care coordinator prior to their initial treatment consult and will be guided throughout the various aspects of their care.

• Barriers to care will be minimal and not impact the timeliness of access to treatment or the treatment process.

• All patients will feel welcome and equally provided for, regardless of their ability to pay, their race/ethnicity/sexual preference, or the language they speak.

Objectives

• Ensuring timely access to diagnostic and treatment services eliminating barriers to care through excellent communication systems and a navigation process that is shared by all staff and evident throughout the patients care experience.

• Elevating the patient experience to provide optimal satisfaction for the patient, their families and our staff.

Outcomes

Clinical navigation provided by nurses is the primary touch point for patients. Services may be provided differently depending on the patients’ diagnosis, oncology department and the specifics of the patient’s treatment plan. The following information reflects patient navigation services delivered to newly diagnosed by department. We are actively expanding our navigation services throughout all areas of oncology and will reflect that program development in our 2017 Annual Report.

• Surgical Oncology — 200 new patients

• Medical Oncology — 200 new patients

• Breast Imaging/Oncology — 250 new patients

“Surprised and gratified at the high level of expertise and the warmth and friendliness of those who treated me! I was given a warm blanket during the treatment.”

— Saint Joseph Hospital Cancer Centers of Colorado Patient
III. Treating Cancer

Today’s treatments are more individualized because we understand so much more about the biology of the disease. Our goal is to integrate clinical excellence with service excellence.

Saint Joseph Hospital | Cancer Centers of Colorado provides the best cancer care based on leading-edge technology. We are dedicated to making care more convenient, efficient and effective. As a nationally accredited comprehensive cancer center, our team of experienced caregivers provides coordinated care and treatment planning between several different types of cancer specialists, which makes things easier for patients and leads to better medical outcomes. If you have cancer, our entire team of cancer care specialists will be here for you as your partners, confidants, teachers, shoulders to cry on and healers. With hope and healing, we will battle your cancer together.

To learn more about Saint Joseph Hospital | Cancer Centers of Colorado visit saintjosephdenver.org/cancercare or call 303-318-3434.
Transforming Care through Technology

At Saint Joseph Hospital, we are proud that innovation has allowed our healthcare providers the ability to better diagnose and treat patients. Due to the continuous development of technology in the healthcare field, countless lives have been saved and the overall quality of life continues to improve. In the healthcare industry, the importance of awareness and implementation of leading edge medical technology cannot be overstated, and as a result of the development of these tremendous innovations, healthcare providers see continued improvement in their practices — including better diagnoses, surgical procedures, and improved patient care.

Additionally the safety of care and ability to communicate more effectively continues to improve with each year. The innovative development of medical devices and equipment, biotechnology, pharmaceuticals, information technology, and more, have all made significant contributions to improving the health of people not only in the greater Denver area, but globally.

Small innovations such as adhesive bandages and needles, as well as larger and more complex technologies, have undoubtedly made an incredible impact on what we do each day for our patients.

Technologies that Saint Joseph Hospital uses each day to care for our patients include:

- Electronic health record (EHR)
- Robotic Surgery
- Telemedicine is now employed in a variety of programs at Saint Joseph Hospital and through SCL Health in order to provide an innovative, convenient and inexpensive way for both the community and associates to seek care for a variety of medical issues via a mobile device. The physician can diagnose, provide treatment, follow-up post-surgery and hospitalization and even write prescriptions for many health conditions.

To learn more about Saint Joseph Hospital | Cancer Centers of Colorado visit saintjosephdenver.org/cancercare or call 303-318-3434.
To learn more about Saint Joseph Hospital | Cancer Centers of Colorado visit saintjosephdenver.org/cancercare or call 303-318-3434.

Transforming Care through Technology

continued

• Medical Imaging equipment that includes PET CT, MRI, CT, Nuclear Medicine in the hospital and in the Surgery Suite
• Linear Accelerators and advanced treatment planning
• Artificial prosthetics and organs
• Systems like Vocera Messaging throughout the hospital provider users the ability to send secure messages like lab tests and alerts to one another using smartphones, web-based consoles or third-party clinical systems. These messaging systems can expedite the communication process while still tracking and logging sent and received information in a secure manner.

• Video-conferencing connects physicians and other members of the health care team across SCL Heath.
• Caregivers further engage and align with patients and potential patients by using the internet and social media to create meaningful and ongoing dialogue.

While Saint Joseph Hospital has the most advanced technology, it is the way that our physicians and members of our health care team utilize the equipment that enables them to provide the most sophisticated care and treatment available known today.
Surgical Oncology

Shawn E. Young, MD
Medical Director
Surgical Oncology

At the Cancer Centers of Colorado | Saint Joseph Hospital, we provide care almost exclusively to patients with cancer, but do provide care to those with benign disease as well. Our patients are cared for with compassion, experience, understanding, and expertise. We believe our patients are best treated in a collaborative manner, involving physicians and providers from multiple specialties. Our patients receive the benefit of an exhaustive diagnostic work-up, presentation before tumor board, where thoughtful multidisciplinary treatment recommendations are made, and where indicated, expert surgical intervention is pursued. We work closely with a host of specialists that are mentioned within this report, but also include primary care and oncoplastic surgery.

The Department of surgical oncology includes the surgical and multidisciplinary management of solid malignancies including esophageal, gastric, pancreatic, small bowel and colorectal adenocarcinoma, breast cancer, skin cancers, soft tissue sarcomas, gastrointestinal stromal tumors as well as head and neck, adrenal and other endocrine malignancies. Saint Joseph Hospital has also been recognized for its expertise in the appliance of evidence-based minimally-invasive surgical oncology which includes the utilization of robotic and endoluminal procedures.

There have been significant advances in the treatment of patients with malignancies, particularly with regard to the use of targeted therapies that can help to extend survival, sometimes dramatically. Cancer surgery is complex surgery and published data has demonstrated that surgeons with the greatest expertise and highest volume have the lowest complication rates and thus higher survival rates. Saint Joseph is proud to provide such expertise to our patients.

Our technical expertise involves the performance of complex procedures including open, laparoscopic, and robotic surgery, esophagectomy, gastrectomy, hepatectomy, pancreatic resection, gastrectomy, splenectomy, small bowel and colorectal resection, peritonectomy/HIPEC, radical resection of retroperitoneal/intraperitoneal sarcomas, extremity/trunk sarcomas, wide local excision of cutaneous malignancy (melanoma, squamous cell carcinoma, basal cell carcinoma, merkel cell carcinoma, etc.), and +/- lymphatic mapping and sentinel lymph node biopsy.

Optimizing Outcomes

Careful and coordinated follow up care is arranged through the center and includes both Genetic and Nutritional counseling.

To learn more about Saint Joseph Hospital | Cancer Centers of Colorado visit saintjosephdenver.org/cancercare or call 303-318-3434.
Inpatient Oncology

Amanda Reff BSN, RN, PCCN

Saint Joseph Hospital’s Inpatient Oncology department is a 24 bed unit, serving patients with oncology diagnoses from diagnosis to end-of-life. We specialize in caring for patients with oncologic/hematologic, gynecologic as well as surgical diagnosis, and the myriad of accompanying conditions that occur in patients with any cancer diagnosis.

Patients Cared For in Inpatient Oncology

The medical oncology patients cared for include those with leukemia, lymphoma, and hematological disorders such as idiopathic thrombocytopenic purpura, myelodysplasia and other anemias. Surgical oncology patients cared for include those with breast, colon, gastrointestinal, brain, ovarian and uterine cancers. A variety of services unique to the oncology specialty are provided including chemotherapy and biotherapy, pain control, chemoembolization, and blood transfusions.

Focus on Safe Administration of Chemotherapy and Biotherapy

Our inpatient Oncology unit is familiar with administering chemotherapy and biotherapy and safe administration is our priority. Our chemotherapy orders are transcribed on paper by an oncologist and then require dual dose calculation and verification by chemotherapy certified RNs. Our unit maintains double checks for administering chemotherapy in the patient’s room as well as follows chemotherapy precautions for 48 hours after the last dose of chemotherapy has ended.

Education and Professionalism

Oncology nursing associates encourage and promote education and professionalism. Education specific to Oncology is ongoing and is also provided to new patients. Our unit offers a quarterly Cancer Basics course for all new associates to attend to ensure they are competent in the medical and psychosocial aspects of caring for patients with oncology diagnoses. Our nurses also all rotate presenting a cancer topic of the month, where the rest of the staff is able to learn about this topic and earn continuing education credit once completing a quiz that demonstrates proficiency in the topic. Compassionate, professional, and proficient care and treatment of Oncology patients is the expectation, not the exception.

Oncology Certified Nurses, Nurses with Advanced Certifications

It is proven that patients have better outcomes when nurses have advanced certifications. Per the Commission on Cancer’s (CoC) Standard, all nurses who administer chemotherapy to patients need documented certification of chemotherapy training. Additionally, 25% of oncology nurses employed with the organization must hold a current, applicable oncology nursing certification. Currently, 100% of nurses administering chemotherapy hold a documented certification of chemotherapy training and 50% of oncology nurses employed on the inpatient unit are Oncology Certified Nurses (OCN), which is an accepted oncology nursing certification.

The New National Jewish | Saint Joseph Hospital

The new Saint Joseph Hospital was designed to be a welcoming and healing environment for all patients. Throughout its construction, architects, healthcare professionals, and community members ensured that every design element and building feature would help create the best possible patient experience. As a result, the new Saint Joseph Hospital is one of the most patient- and community-friendly care facilities in the region. With relationships strengthening between National Jewish and Saint Joseph Hospital, our unit plans to continue to expand the exceptional care we provide to an even broader patient population.

To learn more about Saint Joseph Hospital | Cancer Centers of Colorado visit saintjosephdenver.org/cancercare or call 303-318-3434.
Medical Oncology

The Division of Medical Oncology at Saint Joseph Hospital | Cancer Centers of Colorado is led by an experienced team of board-certified medical oncologists. The group carries a long tradition of providing exceptional community-based cancer care within the Denver area. This well-respected team consists of Kerry Fisher, MD, Deborah Cook, MD, Sarah Conlon, MD, Gregory Britt, MD, and Lisa Ahrendt, MD, all of whom have been fellowship trained at leading academic institutions across the country. In addition, Kelly Cesary, MSN, APN, ANP-BC is an integral part of our team and leads our center’s efforts in providing survivorship care.

The Medical Oncology team plays an essential role in defining a patient’s journey with cancer. We walk hand in hand with patients and their families as they travel this difficult road together. Compassionate listening and clear communication are the key tenets to a better understanding of our patients’ hopes and fears and we look to tailor treatment recommendations that are consistent with these goals and wishes. Our extremely dedicated team of infusion nurses, nurse care coordinators, medical assistants, and administrative support staff, combined with other ancillary services, are critical to our success.

In addition to offering exciting new therapies through clinical trials, we have expertise in the use of targeted biologic therapies - many of which are oral medicines - that inhibit specific mutations and their critical pathways, thereby halting tumor progression. The advent of immunotherapy represents another practice-changing clinical breakthrough for cancer patients. We now offer novel immunotherapeutic agents (in the form of PD-1 blockade, for example) for those challenged by advanced/metastatic melanoma or non-small cell lung cancer. Such advances in melanoma will be the subject of this year’s Focus Report. Moreover, other monoclonal antibodies or even antibody-drug conjugates continue to be utilized across a wide spectrum of solid malignancies, as well as in lymphoma and myeloma. Finally, we work closely with our colleagues in surgery and radiation oncology to deliver neoadjuvant (pre-surgery) and adjuvant (post-surgery) chemotherapy with curative intent, but also offer palliative chemotherapy to those patients in search of improved quality of life and survival, even when cure is no longer possible.

To learn more about Saint Joseph Hospital | Cancer Centers of Colorado visit saintjosephdenver.org/cancercare or call 303-318-3434.
Radiation Therapy in Melanoma

Michelle Klem, MD
Radiation Oncology, Saint Joseph Hospital

In 2016, an estimated 76,000 patients will be diagnosed with melanoma, and 10,000 patients will die of the disease. The incidence of melanoma is increasing rapidly, paralleled by an exciting increased array of treatment options. Surgical excision remains the gold standard as first line treatment for most primary cutaneous melanomas. Radiation therapy may occasionally be employed when primary resection is not feasible, such as in a patient with severe comorbidities or because of a location near vital structures. After resection of a primary cutaneous melanoma, adjuvant radiation may be used in certain situations to reduce the risk of local recurrence. Risk factors prompting consideration of radiation include thick tumors (Breslow>4mm), ulceration, the presence of satellitosis, the presence of angiolymphatic invasion, and close or positive margins.

Adjuvant radiation can also be used to decrease the risk of regional recurrence in nearby lymph node regions under certain circumstances. The decision to administer radiation to a nodal region requires a careful balance of the expected benefit versus risks associated with therapy, which are dependent on the area to be treated. For example, radiation to the groin has an increased risk of long term side effects, such as lymphedema. These factors are weighed against the potential morbidity of a locoregional relapse, which can cause bleeding, ulceration, infection, limb edema, pain, and plexopathy. Factors prompting consideration of radiation to a nodal region include 3 or more positive nodes, large size of nodes (3 cm or greater), extracapsular extension, or recurrent disease.

Radiation plays a large role in the management of metastatic melanoma, especially for brain metastases. Stereotactic radiosurgery delivers a very high dose of radiation to a small, precisely defined area in a single treatment. Stereotactic radiotherapy uses a similar technique to deliver radiation over 3-5 fractions.

Stereotactic Procedures

Patients undergo a specialized, thin cut MRI that is fused with a CT performed with the patient in an immobilization mask. Precise immobilization techniques are required, as it is critical to be able to reproduce the exact anatomy of the patient in the treatment position. Fusion of the MRI with the CT scan allows accurate delineation of the area requiring radiation as well as accurate delineation of critical normal structures to which dose must be limited. At Saint Joseph Hospital, we have a TrueBeam linear accelerator which allows us to deliver the high dose of radiation for these treatments in a much shorter time period. This machine is also equipped with a treatment table that allows for adjustment of the patient in 6 dimensions. We also utilize the VisionRT system, which has a camera that precisely monitors the patient’s position during the treatment (also referred to as image guided radiotherapy or IGRT). Together, these technologies allow us to deliver stereotactic radiation with the highest level of precision and accuracy.

Standards of Care and Services

The Department of Radiation Oncology at Saint Joseph Hospital provides the highest in standards of care and services. The radiation oncologists and the radiation therapy team offer the most comprehensive and advanced treatments to patients, which makes radiation therapy safer and more effective than ever before, and expands options for patients with inoperable cancers.

To learn more about Saint Joseph Hospital | Cancer Centers of Colorado visit saintjosephdenver.org/cancercare or call 303-318-3434.
Radiation Therapy in Melanoma
continued

Our cutting-edge treatment techniques and technologies achieve unprecedented precision and minimize exposure of normal tissue and high doses of radiation therapy, minimizing radiation-related side effects. As a result, our technology has aided our caregivers in prescribing treatment courses that have fewer total treatments, but provide quality, safe, and accurate treatment with the same optimal outcomes. This treatment option, known as hypofractionation, is becoming rapidly adopted at some of the best known treatment programs across the United States, and, Saint Joseph Hospital leads the way locally, regionally and nationally. This is made possible through the latest technologies available and the use of the latest treatment techniques:

• Volumetric Arc Therapy (VMAT)/Image Guided Radiation Therapy (IGRT)
• Stereotactic Radiosurgery (SRS)
• Stereotactic Ablative Body Radiotherapy (SABR), or also known as Stereotactic Body Radiotherapy (SBRT)
• Image Guidance Radiation Therapy (IGRT)
• High Dose Rate Brachytherapy (HDR)
• Advanced treatment planning

Continuous review, revision, and addition of quality assurance measures are important to all members of the radiation team to ensure patient safety and delivery of accurate patient treatment delivery. Daily peer review by the radiation oncologists and team members occur to review new patients’ treatment plans, prior to start of treatment. In addition to daily peer review, the radiation oncology health team participates in a daily Huddle to review the day’s activities, specific patient care needs, daily patient safety needs, to ensure workflow and efficiency. Commitment to excellence and safety is paramount in all that we do.

Over 950 patients were consulted for radiation treatment during 2015. The Department of Radiation Oncology provided nearly 12,000 radiation treatments during the same year. In 2016, it is projected that 1,100 patients will be evaluated for radiation treatment and over 12,000 radiation treatments will be delivered to patients fighting disease.

Skilled Team and Caring Staff

Any diagnosis of cancer can be overwhelming, but the radiation oncology’s skilled and caring team’s goal is to achieve the highest rate of cure based on scientific data while using the latest technology to minimize side effects. A multidisciplinary approach ensures all physicians work together to make sure the patient’s experience is as seamless as possible.

Our patients’ (and team’s) faces all get brighter, their smiles get wider, their eyes get brighter, and their souls are calmed when our furry pet volunteers arrive. Yogi has been visiting the radiation patients, as well as patients throughout the hospital for 9 years and 2 months, and Buddha for 6 years and 6 months. While our patients face visiting the hospital, on the days that Yogi and Buddha arrived, those days became different.

This year we lost our dear friend Yogi, so with special memories, we want to express our gratitude to him within this report. We miss Yogi, but know that there is another angel in heaven.
Clinical Trials and Research

Stacy Grolnic, RN, BSN, CCRP
Clinical Trials Research Associate,
Saint Joseph Hospital

We are proud to be able to offer our patients the opportunity to participate in clinical research studies as part of their cancer care. Through research, doctors are able to find new ways to prevent, detect and treat cancer. It is through research that we also learn new ways to improve the quality of life for patients with cancer. Most of the treatments we use today are the results of past clinical trials.

Saint Joseph Hospital is a member of the Colorado Cancer Research Program (CCRP) consortium. Through this partnership, we are able to offer participation in National Cancer Institute (NCI)-supported clinical research studies. CCRP is a not-for-profit National Cancer Institute (NCI) designated Community Oncology Research Program (NCORP).

The Cancer Centers of Colorado Clinical Research Department also provides patients the opportunity to participate in pharmaceutical-sponsored clinical trials as well as nursing and psychosocial research projects.

We understand that successful research programs require a multidisciplinary team approach and engagement. Our dedicated team of medical and surgical oncologists, radiation oncologists, radiologists, pathologists, nurses, social workers, genetic counselors and research coordinators discuss clinical trials with patients as part of their treatment options. If you are interested in taking part in a clinical trial, the team will provide information about participating in clinical trials including specific information for studies that may be of interest to you or that may be an appropriate treatment option. The research coordinators will work with your physician(s) to coordinate enrollment to clinical trials.

What Cancer Cannot Do
Cancer is so limited...
It cannot cripple love.
It cannot shatter hope.
It cannot corrode faith.
It cannot eat away peace.
It cannot destroy confidence.
It cannot kill friendship.
It cannot shut out memories.
It cannot silence courage.
It cannot reduce eternal life.
It cannot quench the spirit

— Author Unknown
For 2015, the Psychosocial Oncology Program provided care and touched many lives through support, education, and outreach efforts. Services are provided by licensed clinical psychologists, oncology social workers, dietitians specializing in cancer care, a wig boutique and program coordinator, and psychology and social work graduate student trainees.

The psychosocial team provides an average of 319 direct care hours monthly with patients, their families, and community members through individual and family encounters, inpatient consultations, the wig/head covering boutique, as well as support and education groups. The team receives an average of 166 Psychosocial Distress Screens per month for New Patients being seen in the Surgical Oncological, Medical Oncology, and/or Radiation Oncology Departments. Through direct patient request or due to elevated psychosocial distress, this screening method connects patients to services such as Dietitian, Social Work, Psychology, Spiritual Care, Financial Counseling, and/or Pharmacy consultations, education, and outreach. Through these combined efforts the psychosocial oncology support services team provides care to an average of 230 individual cases/patients per month.

Education and Seminars Provided to the Community in 2016

- Don’t Tell Me How to Feel — Podcast for Fight Colorectal Cancer
- What They Don’t Tell You: The Secret Stuff of Cancer — Podium presentation for Stupid Cancer CancerCon
- Behavioral Issues in Oncology Care
- Diet Myths in Cancer
- Cancer Fighting Cuisine
- Dealing with Down Days
- Oncology Social Work Services
- Personal and Professional Boundaries

Psychosocial and Nutrition Services Patient Care Monthly Productivity Hours: November 2015 – November 2016
2016 Celebration of Cancer Survivorship

Celebrating June 5, 2016 National Cancer Survivors Day! “It is an annual, treasured Celebration of Life that is held in hundreds of communities nationwide, and…around the world, on the first Sunday in June.

After careful consideration of our previous 6 years of Cancer Survivorship Day events, we opted to celebrate all people impacted by cancer for the entire month of June 2016. Each person who entered the cancer center and breast care center was offered a token of celebration and to honor survivorship. Tokens offered included a survivorship pin, a seed packet, or a ribbon. All the associates were also given a badge pin to reflect their important role in cancer survivorship.

We distributed at least 130 items to dozens of Survivors and their loved ones.

Some of the comments we received:

• “My wife is a survivor and so am I for being there for her during treatments.”
• “I am going to take one for my best friend who is a breast cancer survivor. This is so wonderful.”
• “Can I take 2 seed packets? I want to plant a garden to celebrate my life.”
• “I am a 5-time cancer survivor. Thank you for all of this.”
• “Life is a gift.”
• A woman whose husband was recently deceased was very grateful for the support and survivorship gesture.
• A person requested two seed packets to give to each of his children to plant in celebration of cancer survivorship.
Role of Nutrition in Cancer Treatment

Sonya Woudtra, RD, CSO
Certified Specialist in Oncology Nutrition

Getting a cancer diagnosis can be overwhelming and there is so much nutrition information on the internet which can increase our patient’s anxiety. The dietitian at the Cancer Center of Colorado is involved in the patient’s care from time of diagnosis to counsel on evidenced based nutrition strategies and to help manage nutrition related side effects of cancer treatment.

Our hope is to empower our patients to improve their health and fight the cancer. Side effects such as nausea, vomiting, difficulty swallowing, taste changes, diarrhea and early satiety can all lead to poor nutrition and unwanted weight loss. Weight loss can put our patients at higher risk of hospitalization, treatment delays and potentially delay an upcoming surgery.

One of the exciting practices we recently implemented at our cancer center is supplying patients undergoing colorectal surgery with a specialized, immune-enhancing nutrition drink. Providing our patients with an evidenced based blend of arginine, omega-3 fatty acids and nucleotides helps to prepare them for surgery, promotes recovery after surgery and helps support their immune system. Eventually, we hope to provide this for all gastrointestinal cancer surgeries.

Nutrition and Melanoma

Sun exposure is a major risk factor for melanoma but diet can also play a role. Maintaining a healthy weight is one of many important strategies for cancer prevention, including melanoma. A plant based diet rich in fruits and vegetables and low in fat is promising when it comes to discussing prevention and recurrence.

Strategies to reduce cancer risk:

- Include green, leafy vegetables and citrus fruits
- Choose other vegetables rich in nutrients such as tomatoes, sweet potato, butternut squash
- Choose low-fat dairy and limit high fat dairy products
- Include spices such as turmeric
- Include green tea for the polyphenols
- Get moving with regular physical activity
- Limit alcohol consumption

To learn more about Saint Joseph Hospital | Cancer Centers of Colorado visit saintjosephdenver.org/cancercare or call 303-318-3434.
Oncology Pharmacy

Christopher Wilson, PharmD, BCPS
Manager
Comprehensive Cancer Center Pharmacy

The Cancer Center of Colorado Pharmacy offers a comprehensive suite of clinical services to our oncology patients. We have a dedicated Board Certified Oncology Pharmacist embedded in the Medical Oncology practice that assists our patients in understanding the medication component of their care.

Additionally, our onsite retail pharmacy provides patients with access to their pre- and post-treatment medications without the need to go to a separate pharmacy.

Oral Chemotherapy

Every year there are new agents being approved for the treatment of cancer, and into 2016 has proven no different from years past. One of the largest areas of growth is the field of oral chemotherapy.

Oral chemotherapy offers many advantages over traditional (intravenous) IV chemotherapy, not the least of which is the ability to take cancer therapy into the home and not having to endure lengthy infusion center appointments.

At the same time, the advent of home oral chemotherapy presents a number of new challenges for our patients. Patients may ask: Where do I store the medication? What about other family members being in contact with the medication? How to I pay for the medication? How do I get rid of extra medication?

Our Pharmacy achieved 2013 Joint Commission Home Care accreditation, demonstrating to The Joint Commission that we have a comprehensive program in place to provide thorough education to patients regarding their therapy, regarding such concerns. The Pharmacy has a robust system in place to assist patients in affording their medications, both via manufacturer assistance and foundation funding.
Physical Medicine and Rehabilitation

Liz Mahon PT, DPT
Director of Physical Medicine and Rehabilitation Services

Saint Joseph Hospital’s Physical Medicine and Rehabilitation Department evaluates and treats patients with musculoskeletal and neurological deficits, as well as those related to oncology diagnoses. These symptoms may include impaired functional mobility, weakness, pain, imbalance, lymphedema, difficulty swallowing or speaking, poor coordination, decreased safety and cognitive impairments.

Physical therapists work with multidisciplinary care teams to provide inpatient and outpatient therapy assessment of impaired gait and transfer ability, appropriate use of assistive devices, musculoskeletal and neurological deficits and home safety. Treatment interventions can include strengthening and balance exercises and management of pain and swelling. They also help patients who may experience negative effects from their cancer treatment including Complete Decongestive Treatment (CDT) also known as lymphedema therapy. Lymphedema therapy is now provided by a Certified Lymphedema Therapist at the Comprehensive Cancer Center.

Occupational therapists evaluate and treat patients for daily living activities, home safety, splinting and home equipment needs. Occupational therapists also provide specific cognitive testing and treatment as needed.

Speech and Language Pathologists assess and treat swallowing function, voice and cognition in inpatient and outpatient settings. In addition, they can perform video fluoroscopic swallow studies to better diagnose swallowing problems.

Lymphedema is swelling of a body part, usually an arm or a leg, caused by an obstruction (blockage) of the flow of lymph fluid in your lymphatic system. Lymphedema services that are provided include education, exercise, specialized bandaging and wrapping techniques, measuring and fitting for compression garments, self-massage and lymph drainage with light massage.

All disciplines are actively involved in patient and family education and training. In addition, the PM&R team is dedicated to associate safety. The team commits many hours educating associates on safe patient handling techniques, as well as partnering with Employee Occupational Health Services to implement ergonomic improvements in our workplace.
IV. Supporting Patients and Families

Patients are at the center of everything we do. We’re constantly striving to improve not only patient care, but patient satisfaction because good patient experiences are associated with better treatment outcomes.

Saint Joseph Hospital | Cancer Centers of Colorado offers a wide array of educational and support resources to help those with a cancer diagnosis successfully manage and overcome their disease. We also realize that your care team may include more than just those at Saint Joseph Hospital. We welcome family and friends to the battle, and we encourage you to have your family or friends help you through this journey.

To learn more about Saint Joseph Hospital | Cancer Centers of Colorado visit saintjosephdenver.org/cancercare or call 303-318-3434.
Spiritual Care Overview

Spiritual care is a part of the Saint Joseph Hospital I Cancer Centers of Colorado because focusing on the whole human person is the only way to offer patients comprehensive care. No matter one’s spirituality, the professional spiritual care department provides people with the resources needed to withstand the physical, psychological and emotional distress brought on by a diagnosis and then subsequent journey through cancer. Saint Joseph Hospital’s team of chaplains are professionally trained to accompany patients along the way — offering a listening presence, compassion and encouraging realistic sense of hope.

Spiritual Care Team

Our chaplains are skilled at helping patients through periods of anxiety by guiding them through practices that help promote one’s wellbeing, ability to cope, grow and strengthen relationships, and to connect with community resources. Saint Joseph Hospital’s spiritual care team gives patients assurance that no matter where they are — spiritually, emotionally, physically — they are never alone. A chaplain is available 24 hours a day, seven days a week, by calling the Spiritual Care pager at 303-897-2629.

iHope Spiritual Care Services

iHope began in November 2013, on what would have been Mother Xavier Ross’s 200th birthday, and continues today. The Saint Joseph Hospital Spiritual Care Team serves patients, community members and associates. iHope is a free, safe, community network designed to connect, nurture, and provide spiritual support to anyone through life’s toughest times. Anonymously connect with an experiences professional from Saint Joseph Hospital’s Spiritual Care team. Reach out to iHope 24 Hours a day at www.iHope-SaintJoseph.org, 303-812-HOPE (4673) or iHope@sclhs.net.
Palliative Care

Jim Willett, MD
Inpatient Palliative Care, Kaiser/Saint Joseph Hospital

Palliative Care Overview

Palliative care provides support and comfort to patients and their families who are facing cancer. The goal is to improve quality of life with excellent symptom control, assistance making difficult medical decisions, advance care planning and psychosocial and emotional support. Palliative care is available for people of any age and at any stage of cancer, whether curable, long-standing or advanced.

Palliative Care Benefits

It is proven that patients who are supported by palliative care teams tolerate their treatments better, have improved quality of life and may live better for longer. Care is individualized based on patient needs, preferences and goals. The Saint Joseph Hospital Inpatient Palliative Care team is available 24 hours a day, seven days a week, 365 days a year to meet the needs of inpatients and their families.

Palliative Care Team

Palliative care is provided by a team which includes a specially-trained palliative care physician, nurse, social worker, chaplain and pharmacist. This service is available for patients at Saint Joseph Hospital seven days a week. Palliative home care programs are also available to CCC outpatients.

Palliative Care Consult

No matter who you are or how simple or complex your needs, palliative care is available to help journey with you as you face cancer. Please call 303-909-2882 for a consult.
Community Outreach

Travis Hasler
Health Systems Manager, Hospitals
Great West Division | American Cancer Society, Inc.

Community Support and Partnership with the American Cancer Society

Saint Joseph hospital works closely with the American Cancer Society to ensure patients are being linked to a complete host of services that go hand in hand with their individualized cancer treatment. In 2015, the American Cancer Society worked with Saint Joseph in making sure that patients were offered and received access to the following programs:

Road To Recovery: The Road To Recovery program provides free rides to and from treatment for people with cancer who do not have a ride or are unable to drive themselves.

Reach To Recovery: The Reach To Recovery program lets breast cancer patients talk one-on-one with other breast cancer survivors, so they can discuss questions and concerns that come with a diagnosis.

Look Good Feel Better: This program teaches people in active cancer treatment ways to help them with appearance-related side effects. Participants receive sample products to take home and use.

American Cancer Society Patient Navigators: Saint Joseph hospital is able to link patients with non-clinical navigators who can help with all of the potential stresses that come with a cancer diagnosis. These navigators can help connect with financial and marriage counselors, free lodging and other important issues that may arise.

American Cancer Society sponsored Cancer Resource Center at Saint Joseph: A patient can drop in to the resource center to ask questions, pick up brochures or try on wigs. The American Cancer Society offers both women and men a free of charge, new wig to any patients that feel they would benefit. The American Cancer Society will help the patient find a wig that matches their unique needs and wants. In 2015 St. Joseph hospital has given out over 36 wigs through this program.

American Cancer Society pamphlets and booklets: Patients can request literature on almost all topics related to their unique cancer journey. A small sample of topics include: Nutrition during treatment, Sexual intimacy, Stresses associated with being a caregiver, and many more.

All programs and materials offered by the American Cancer Society through their partnership with Saint Joseph Hospital are always free of charge to the patient and their families.

To learn more about Saint Joseph Hospital | Cancer Centers of Colorado visit saintjosephdenver.org/cancercare or call 303-318-3434.
Saint Joseph Hospital, Denver’s oldest private teaching hospital, was founded in 1873 by the Sisters of Charity of Leavenworth. Over the years, the Sister administrators, with the assistance and support of generous business executives, distinguished citizens of Denver, and volunteers, worked diligently to raise funds for the support and growth of the hospital.

Established in 1977, the Saint Joseph Hospital Foundation raises funds to directly support the mission of Saint Joseph Hospital. By partnering with volunteers, associates and community leaders, the Saint Joseph Hospital Foundation sustains several community clinics for the underserved, educational programs for healthcare professionals, and various projects for the hospital that improve patient care and comfort.

The mission of Saint Joseph Hospital Foundation is to solicit contributions for Saint Joseph Hospital to assist in effectively carrying out its mission to foster health and healing for the people and communities it serves.

The Saint Joseph Hospital Foundation is governed by a board of directors comprised of community leaders. The Foundation is a tax-exempt, not-for-profit organization. Contributions are tax deductible as permitted by the law.

Programs supported by the Foundation include charity care through the Caritas Community Clinic, Sr. Bruner Family Medicine Clinic and The Seton Women’s Center; education programs for physicians, nurses and allied health care workers; community health and wellness programs; and special hospital projects.

Among the major capital projects for which the Foundation has raised funds are the following:

- Construction of the Radiology-Cardiovascular wing in 1980
- SurgiCare One, adding five additional operating rooms in 1989
- Remodel of critical care areas for Mother-Baby Unit in 1994
- Russell Pavilion Medical Education Center in 1996
- Expansion of SurgiCare One operating rooms in 1998
- Various exterior improvements, such as upgrading crosses, reflective garden and Holy Family Sculpture from 1999-2002
- Labor and Delivery expansion and renovation in 2002/2003
- Cardiovascular Lab replacement and remodeling in 2004/2005
- Relocation and expansion of the Certified Nurse Midwifery Practice 2007
- Relocation and expansion of the Cardiac and Pulmonary Health and Rehabilitation Center 2007/2008
- Construction of the New Saint Joseph Hospital 2009-2014

All activities of the Foundation are directed toward developing charitable gifts and grants for Saint Joseph Hospital. The Hospital and the Foundation enjoy wide support from the community they both serve.

To learn more about Saint Joseph Hospital | Cancer Centers of Colorado visit saintjosephdenver.org/cancercare or call 303-318-3434.
For the last two years, a major Foundation event has been the Stadium Stampede. This one-of-a-kind race route takes participants around and through Sports Authority Field at Mile High Stadium. This 10k run, 5k run and walk, and ½ mile Family Fun Run has benefited the Cancer Centers of Colorado raising more than $140,000 in gross revenue to help purchase a new mobile mammography (MMU) van. The new van, which arrived in November 2015, features a 3D tomosynthesis mammography machine. Nearly 3,000 women were screened on the van last year, 70% of whom were low-income, uninsured and unable to get their annual mammogram elsewhere. In addition to the new mammography van, funds raised from this year’s Stadium Stampede will allow us to screen and diagnose even more women in our community.

For more information and to donate to the Saint Joseph Hospital Foundation, visit www.saintjosephdenver.org/foundation.

To learn more about Saint Joseph Hospital | Cancer Centers of Colorado visit saintjosephdenver.org/cancercare or call 303-318-3434.
To learn more about Saint Joseph Hospital I Cancer Centers of Colorado visit saintjosephdenver.org/cancercare or call 303-318-3434.

Saint Joseph Hospital I Cancer Centers of Colorado is dedicated to providing exceptional care based on the latest medical knowledge. It provides patients and their loved ones with a full complement of support services. Their vast array of outpatient services are centralized under one roof — making care convenient, efficient, effective and collaborative.

**Cancer Centers of Colorado, Main** 303-318-3434

- Clinical Research
- Infusion Center
- Medical Oncology
- Nutritional Services
- Oncology Pharmacy
- Patient Navigation
- Psychosocial Oncology
- Surgical Oncology

**Radiation Oncology** 303-812-6350

**Breast Care Center** 303-318-3400

**Saint Joseph Hospital** 303-821-2000

- Foundation 303-812-6437
- Oncology 303-812-5552
- Medical Imaging 303-812-4850

**Physical Medicine & Rehabilitation** 303-812-3344 or 303-318-1330

- Cognitive Therapy
- Lymphedema Services
- Speech Therapy
- Physical Therapy

**Spiritual Care** 303-812-HOPE (4673)

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**The Colors of Cancer Awareness**

<table>
<thead>
<tr>
<th>Disease</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>Breast</td>
<td>Pink</td>
</tr>
<tr>
<td>Ovarian</td>
<td>Teal</td>
</tr>
<tr>
<td>Leukemia</td>
<td>Orange</td>
</tr>
<tr>
<td>Melanoma</td>
<td>Black</td>
</tr>
<tr>
<td>Liver</td>
<td>Emerald Green</td>
</tr>
<tr>
<td>Cervical</td>
<td>Teal and White</td>
</tr>
<tr>
<td>Colon</td>
<td>Dark Blue</td>
</tr>
<tr>
<td>Childhood</td>
<td>Gold</td>
</tr>
<tr>
<td>Kidney</td>
<td>Kelly Green</td>
</tr>
<tr>
<td>Pancreatic</td>
<td>Purple</td>
</tr>
<tr>
<td>Leiomyosarcoma</td>
<td>Purple</td>
</tr>
<tr>
<td>Lymphoma</td>
<td>Lime</td>
</tr>
<tr>
<td>Lung</td>
<td>Pearl</td>
</tr>
<tr>
<td>Uterine</td>
<td>Peach</td>
</tr>
<tr>
<td>Brain</td>
<td>Gray</td>
</tr>
<tr>
<td>Prostate</td>
<td>Blue</td>
</tr>
<tr>
<td>Bladder</td>
<td>Yellow</td>
</tr>
<tr>
<td>Sarcoma/Bone</td>
<td>Yellow</td>
</tr>
<tr>
<td>Esophageal</td>
<td>Periwinkle Blue</td>
</tr>
<tr>
<td>Stomach</td>
<td>Periwinkle Blue</td>
</tr>
<tr>
<td>Thyroid</td>
<td>Teal and Pink and Blue</td>
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<tr>
<td>Head and Neck</td>
<td>Burgundy and Ivory</td>
</tr>
<tr>
<td>Multiple Myeloma</td>
<td>Burgundy</td>
</tr>
<tr>
<td>General</td>
<td>Lavender</td>
</tr>
</tbody>
</table>
To learn more about Saint Joseph Hospital Cancer Centers of Colorado visit saintjosephdenver.org/cancercare or call 303-318-3434.
As We Look to the Future

We look to the future with confidence, knowing that we do here, today, and every day, will have a positive impact on generations of families in the greater Denver region and far beyond.

As transformation of care happens throughout all of healthcare, SCL Health will be at the leading edge of cancer care, delivering the right care at the right place and time.

Working together, National Jewish Health and Saint Joseph Hospital joined together to create a stronger and more coordinated model of care that benefits oncology patients, caregivers and the community. We are expanding resources available to our patients and caregivers while delivering the highest value in health care and a great patient experience, improving health each and every day.

Our Clinical and Programmatic initiatives for the upcoming year include:

- All initiatives will align with the SCL Strategic Priorities:
  - Ministry Excellence
  - Accountable Health
  - Provider Partnership
  - Growth
  - Leverage, Skill, Scale & Learning
- Continued commitment to patient safety and quality initiatives
- Personalized medicine and molecular medicine
- Expansion of our genetics program
- Clinical Centers of Excellence — disease sites teams for breast, lung and gastrointestinal cancers
- Further growth in specialty disease site multidisciplinary care conferences
- Ensure care pathways are designed around the needs of the individual patient
- Service line navigators for disease specific patient care
- Cancer Center symptom management clinic to address the urgent needs of our patients
- Expanding SCL’s existing telemedicine services to our oncology patients
- Technology adoption:
  - Further enhancement of our radiotherapy techniques due to adoption of 6Degree of Freedom treatment couch
  - New CT Simulator
- Electronic Health Record
  - Adoption and integration of new SCL System wide oncology electronic medical record

Making a Difference
Saint Joseph Hospital | Cancer Centers of Colorado’s relentless pursuit of continued improvement in the diagnosis and treatment of cancer holds us accountable and inspires us to do more, to do it better and to make a difference in those we touch now and in the future.

To learn more about Saint Joseph Hospital | Cancer Centers of Colorado visit saintjosephdenver.org/cancercare or call 303-318-3434.