



ANNUAL REPORT 2016



MEMORIAL
REGIONAL CANCER CENTER

BeaconHealthSystem.org

TABLE OF CONTENTS

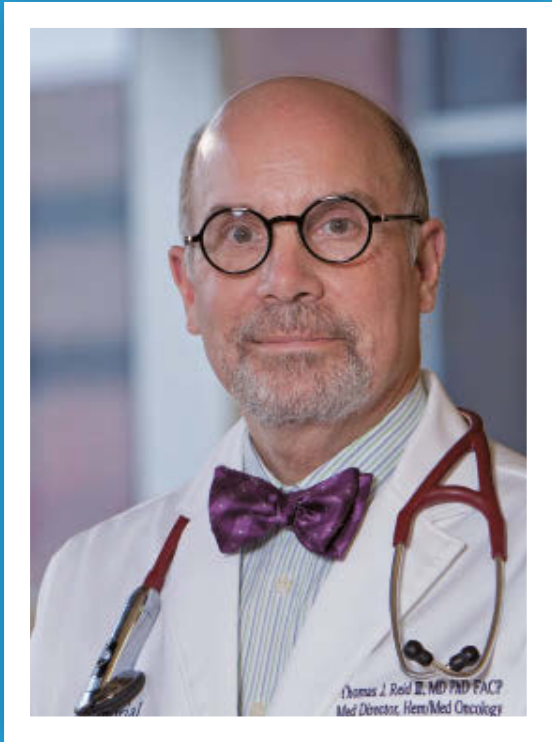
Welcome	3
Accreditations	4
Hope Award	5
Fun At The Old Ballpark	6
New Location For Cancer Services	7
Cancer Registry	8 9 10 11
Cancer Prevention and Screening Activities	12 13
Mayo Clinic Care Network	14
eConsult Patient Stories	15
Physicians and Specialists	16 17 18 19



Congratulations Dr. Friend!

Dr. George Friend has been an integral part of Memorial Hospital for many years. He has been instrumental in the advancement of breast cancer surgery techniques and early breast cancer detection through our Breast Care Center. The fine-tuned attention to detail that made him an amazing surgeon, also lent itself to his work guiding the building of the cancer center and new surgical suites at Memorial Hospital. He has served as a Medical Director, Physician Executive, co-Chair of the Oncology Committee and Physician Liaison for our cancer program. His mentorship has helped to mold many of our area's surgeons and leaders and set the highest example for us all to follow.

Thank you for your guidance and friendship.
Wishing you all the very best in your retirement!



Welcome To Memorial Regional Cancer Center

Our goal is to provide you the best oncology and hematology care: individualized care that focuses on you — not solely the cancer or blood disorder. From the moment you first meet us, our team coordinates your care, addressing all your individual needs. You will have many questions before, during and after treatment. Our team is available to answer your needs 24 hours a day, every day of the week.

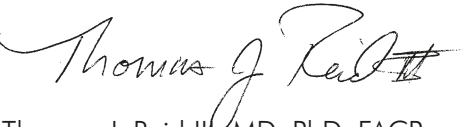
We are extremely proud of our clinical trial research team and affiliation with the Mayo Clinic. As a Mayo affiliate, the Memorial Regional Cancer Center (MRCC) is a member of Alliance (for Clinical Trials in Oncology), one of five cooperative groups in the U.S. designing, directing and reporting results from cancer clinical trials. Moreover, the MRCC is pleased to partner with the Harper Cancer Center at the University of Notre Dame in tissue banking (storing cancer specimens for scientific research).

In May of 2016, the Beacon Health Care System became a member of the Mayo Clinic Care Network. This offers free second opinions to our patients if necessary without the need for travel and participation in the Mayo cancer-specific conferences.

Should you wish a second opinion at a major academic center about your diagnosis and/or recommended treatment strategy, we support you completely. In fact, we will make the referral for you — our patients have been referred to the Mayo Clinic, University of Chicago, Indiana University, Northwestern University, University of Michigan and the Cleveland Clinic, among others.

As we look back on 2016, we continue to improve on what we have already accomplished and new capabilities are under continuous development. In the past year, we have added a third pediatric hematologist-oncologist, a second gynecologic oncologist, a third medical oncologist, a palliative care physician, a second nurse navigator as well as support staff — all to better serve you. Furthermore, Beacon is building a strong cancer program across the system — the beginning phase is the addition of two outstanding radiation oncologists at Elkhart General Hospital. For updates, please follow us: <https://www.facebook.com/MemorialRCC> and <https://twitter.com/@MemorialRCC>.

I often hear from our patients that visiting the MRCC is like being with family. This feeling is because the front office staff, medical assistants, lymphedema specialists, dietitians, social worker, nurses, therapists and physicians all are engaged in your care — ensuring a heartfelt and warm experience!

Respectfully,

Thomas J. Reid III, MD, PhD, FACP
Medical Director,
Chief, Hematology-Medical Oncology

ACCREDITATIONS
Memorial Regional Cancer Center

National accreditation by the American College of Radiology for our Lung CT screening program.



Three-year accreditation by the American College of Surgeons, Commission on Cancer



National Radiation Accreditation by the American College of Radiation Oncology



Memorial Regional Breast Care Center — Designated as a Breast Imaging Center of Excellence This designation is awarded only to facilities that have received accreditation by the American College of Radiology in stereotactic breast biopsy, breast ultrasound and ultrasound-guided breast biopsy.



Our Expert Team Includes:

- Board-certified medical and radiation oncologists
- Gynecologic oncologist
- Oncology Nurse Navigators who help patients along every stage of treatment
- Dermatologic surgeon
- Oncology-certified nurses and chemotherapy/biotherapy-certified nurses
- Radiation therapists, physicist and dosimetrists
- Oncology nurse practitioners
- Oncology social workers who help assess family needs and gather resources
- A certified specialist in oncology nutrition
- Physical therapists, massage therapists and exercise specialists
- A palliative care specialist
- Lymphedema therapists
- Chaplains
- Oncology genetic counselor



University of Notre Dame Coach Mike Brey (L) and Dr. McGrath.

Hope Award
Given To Dr. McGrath

Radiation oncologist Sam McGrath, MD, was the recipient of the 2016 American Cancer Society’s Hope Award at the annual Coaches vs. Cancer Night of the Stars hosted by the University of Notre Dame’s head basketball coach Mike Brey. The event honors individuals who go above and beyond in the fight against cancer.

Staff members were enthusiastic in their nominations about Dr. McGrath:

“He is an amazing physician and a wonderful person. Dr. McGrath asks for nothing and always gives his all. He absolutely deserves the Hope award because he lives it every day.”

“He wants to give the very best care and expects that staff will do the same. The patients know that they are respected, deeply cared about, and will receive top quality care by this young doctor. And they love him for it. He gets rave reviews from all of his patients. The patient who has Dr. McGrath as his physician is very lucky, indeed.”

“Dr. McGrath is a champion for the cure but his presence is there for patients and families during sad times sharing tears and hugs as well as attending services and funerals. He continuously inspires hope by teaching his patients how to take care of themselves, exercise, love, laugh and live life to the fullest every day.”

Fun

AT THE OLD BALLPARK



For the second year in a row, Memorial Regional Cancer Center staff and their families enjoyed an afternoon of outdoor fun with a friendly game of softball. Teams included staff from Memorial's Radiation Oncology and Medical Oncology/Infusion center.

Beacon Medical Group physicians showed off their skills as well, including David Hornback, MD; Samuel McGrath, MD; Thomas Reid, III, MD; Ivan Bedoya, MD; and Michael Ferguson, MD. The game was umpired by Memorial Regional Cancer Center's Executive Director Deb Leonakis.



EXPANSION FOR CANCER SERVICES

MEMORIAL HOSPITAL

In April 2016, Memorial Regional Cancer Center expanded their space on the first floor of Memorial Hospital, just steps from the main entrance. Inside, the decor is warm and welcoming. Plans are in the works to add a garden in the spring of 2017 for our infusion patients to enjoy.

We are pleased to offer our services to patients and their families in this central location which includes:

- Oncology-certified nurse navigation for comprehensive patient care
- Oncology infusion, immunotherapy, and chemotherapy
- Additional private treatment rooms
- Expanded infusion areas
- Genetic counseling
- Certified oncology dietitian
- Clinical trials
- Social work
- Complementary therapy services (including: massage, restorative fitness, yoga, acupuncture & nutritional guidance)

In addition, the hospital's friendly and helpful curbside valet team helps make our patients' visits easier.



CANCER REGISTRY

Collecting relevant data on a timely basis is at the heart of any cancer registry program. The Memorial Cancer Registry is dedicated to ensuring complete, timely and accurate data collection on all patients who have been diagnosed and/or treated for cancer at Memorial Hospital. This ongoing task of data collection is integral because it is submitted to the Indiana State Cancer Registry and National Cancer Data Base, which then shares the information with clinicians, researchers and standard setters who provide the best treatments available, analyze outcome and end-results data and to assess clinical standards and quality of patient care. Memorial

Cancer Registry also coordinates multiple site-specific multidisciplinary cancer conferences where diagnostic procedures are reviewed and treatment options are discussed by a multidisciplinary group of specialty physicians. The site-specific conferences include breast, lung, gastrointestinal, urology, gynecology, neurosurgery, head and neck, hematologic and pediatric oncology. In 2015, 93 conferences were held at Memorial Hospital with 307 of Memorial Hospital analytic cases presented, 95 percent of which were prospective case presentations. Since the Cancer Registry's reference year of 1985, the department has collected data on over 32,000 cases

and continues to maintain a successful follow-up rate of 90 percent on eligible cases, exceeding the requirement of the Commission on Cancer. In 2015, 1,204 cancer cases were added to the cancer registry database, which includes 1021 analytic cases (diagnosed and/or receiving first course of treatment at Memorial) and 184 non-analytic cases. [Figure 1 \(page 8\)](#) illustrates 2015 analytic primary diagnostic site distribution, with [figures 2 \(page 9\) and 3 \(page 10\)](#) showing the top five sites for male and female, respectively. [Figure](#)

[4 \(page 11\)](#) demonstrates the service area for 2015. Memorial Cancer Registry continues to strive for excellence. The associates participate in continuing education annually, work closely with physicians and physician offices to ensure accurate data is collected and collaborate with other local and state registries.

Figure 1

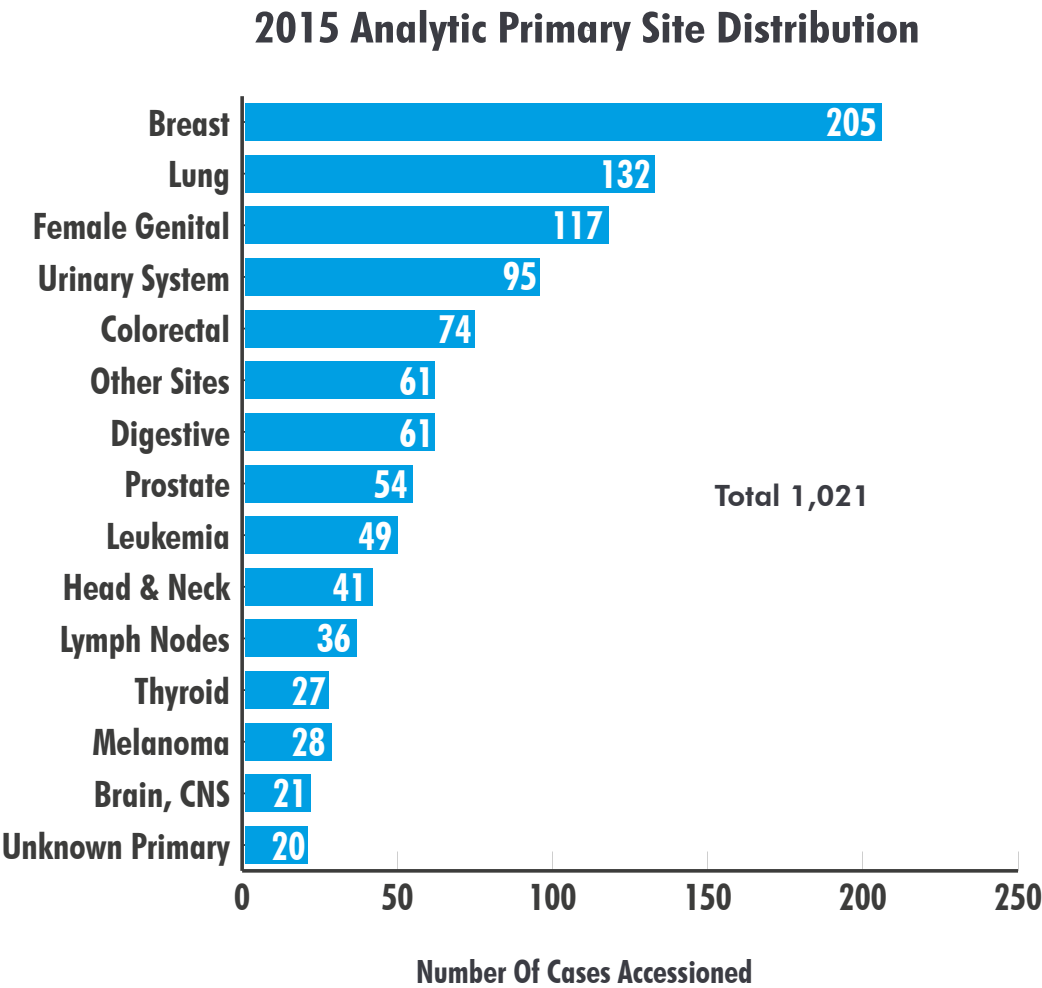


Figure 2

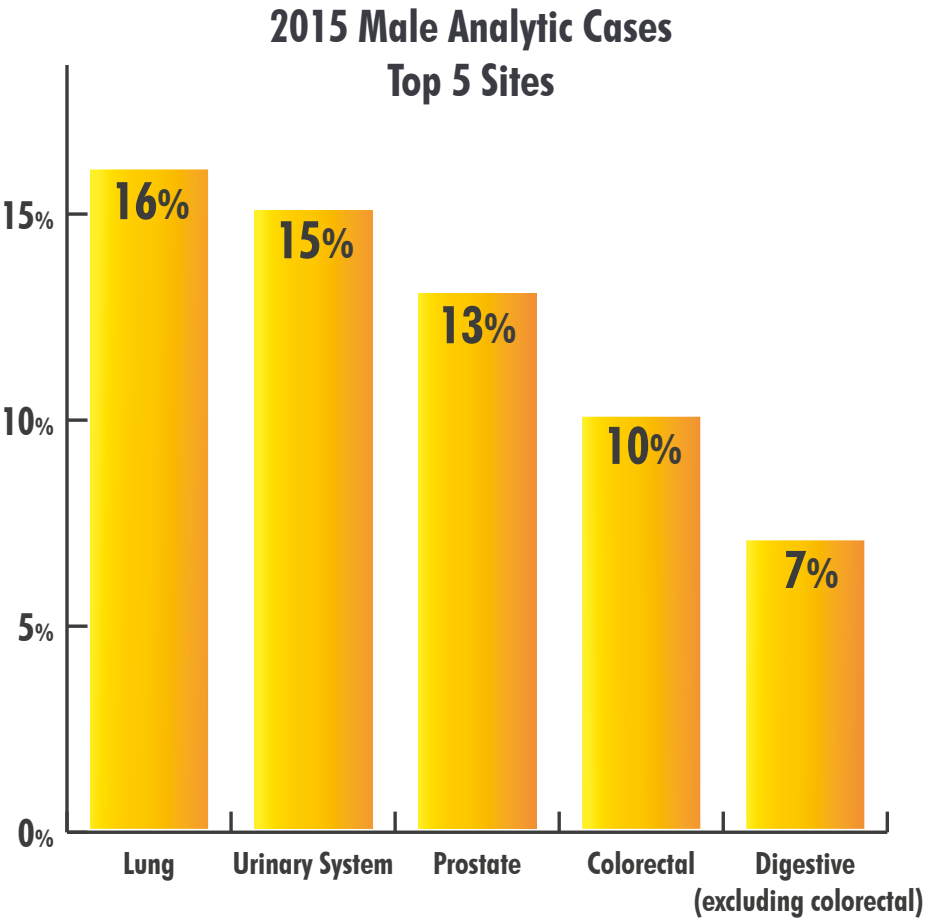




Figure 3

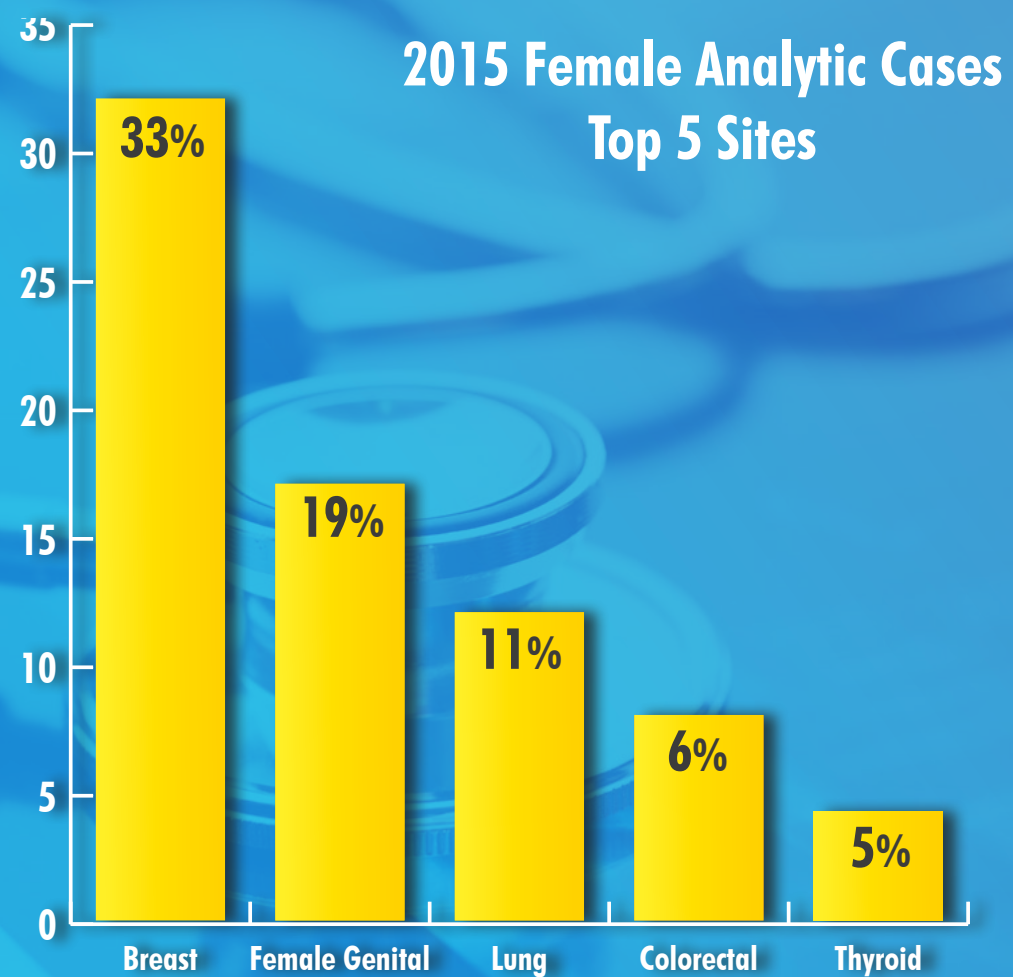
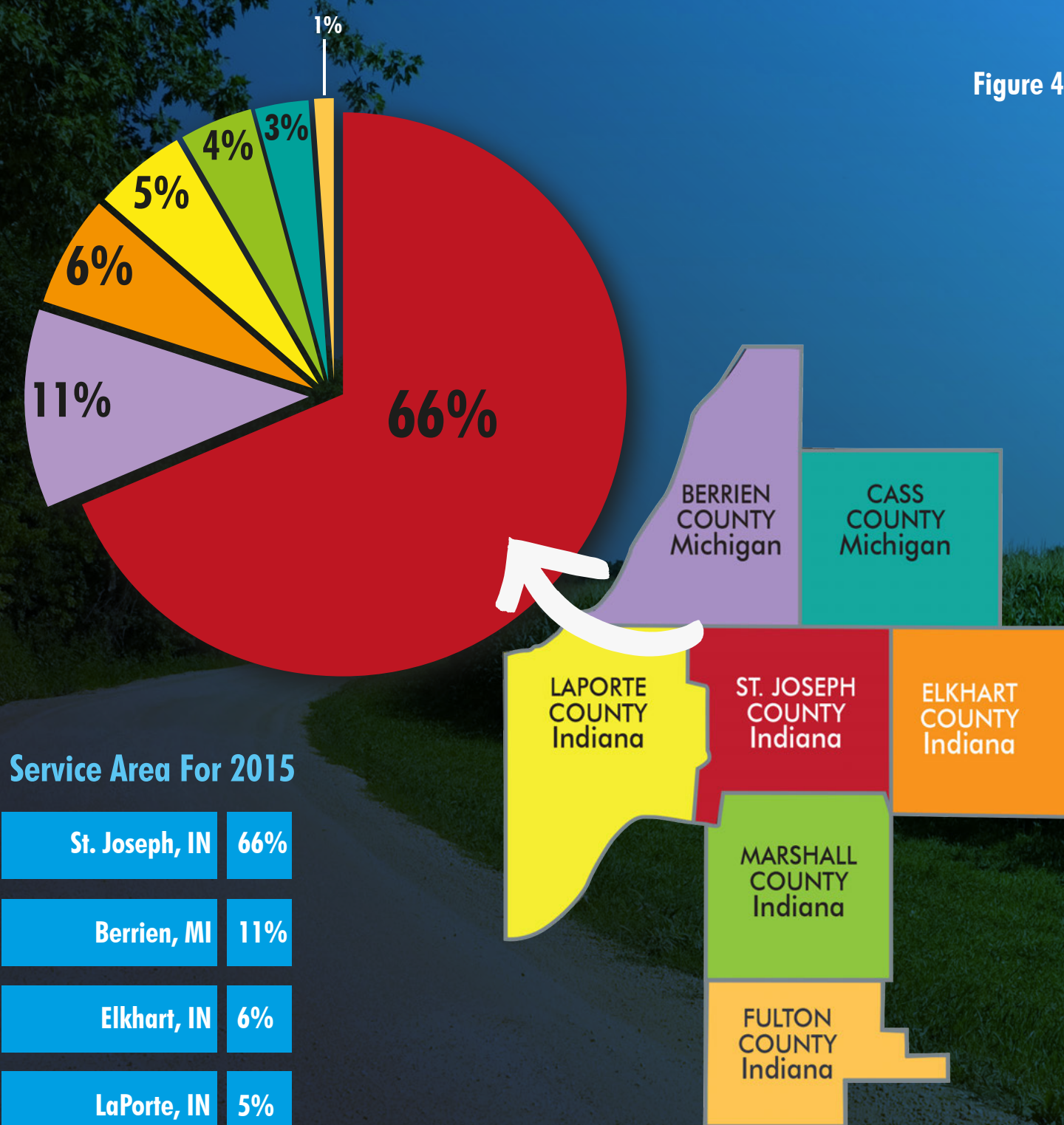


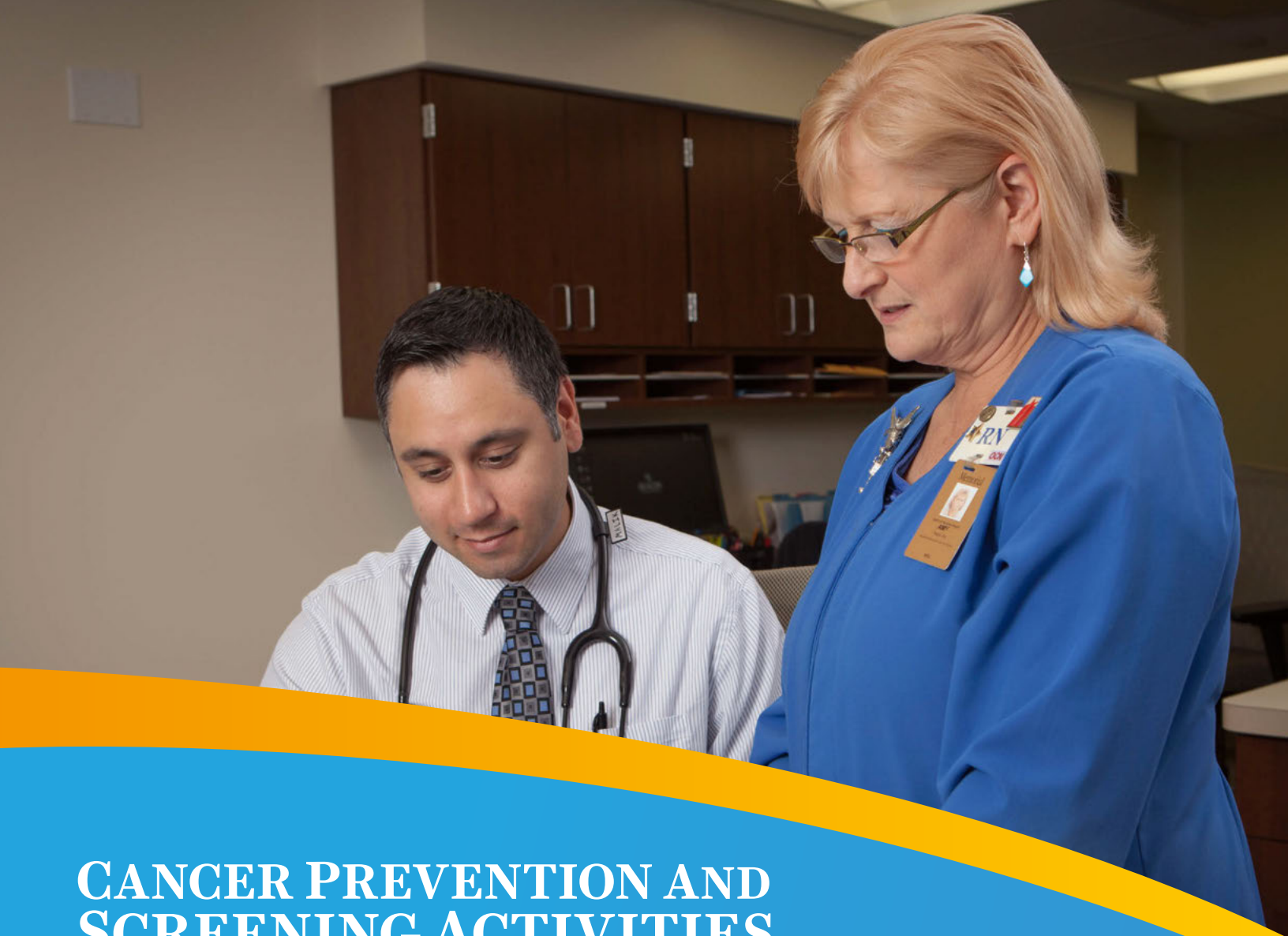
Figure 4



Service Area For 2015

St. Joseph, IN	66%
Berrien, MI	11%
Elkhart, IN	6%
LaPorte, IN	5%
Marshall, IN	4%
Cass, IN	3%
Fulton, IN	1%

* Other counties make up remaining 4%



CANCER PREVENTION AND SCREENING ACTIVITIES 2016

Every three years, Beacon Health System completes a Community Health Needs Assessment to help guide health improvement initiatives across our community. Memorial Regional Cancer Center reviews the Community Health Needs Assessment each year to set goals and direction on how we can help bring awareness and promote early screenings for certain types of cancer. Using evidence-based national guidelines, we work with communities and businesses to educate people on certain cancer risks, how they can prevent cancers and direct those in need to early cancer screenings.

Of the 547 participants of the Community Health Needs Assessment, 57 responded with a cancer diagnosis. From the 2012 assessment to the 2015 assessment, there was a rise in skin and cervical cancers. Breast cancer showed a slight decrease in incidence, but still remains the highest rate of incidence on the Community Health Needs Assessment. In 2016, we focused on these cancers, in addition to lung cancer due to the high mortality rate when diagnosed late stage.

CANCER PREVENTION

Breast Cancer	March	Local Business	Breast Care Center offered a class at local YWCA on breast health and shared information on the Breast and Cervical Cancer Program (BCCP) offered at Memorial.
	May	Health Fair	Breast Care Center gave 200 breast self-exam brochures and breast cancer information.
	June	Wellness Fair	Provided information on breast health, staff on hand to answer questions and scheduled employees for their mammograms
	October	Twitter	Dr. Thomas Reid (Medical Oncology), Dr. Lauren Das (Radiation Oncology) and Dr. Samir Patel (Radiology-Breast Imaging) hosted a "Twitter Chat" to answer real-time patients questions about breast cancer via Twitter.
Lung Cancer	Smoking cessation offered to current patients of Memorial Regional Cancer Center and referrals were made to the American Cancer Society local chapter for smoking cessation.		
	Low-dose CT information shared and discussed for all qualified candidates seen at Memorial Regional Cancer Center. Low-dose CT program information shared with Beacon primary care physicians.		
Skin Cancer	Skin cancer prevention education shared at Memorial Wellness Fair and community events. Shared tips to prevent skin cancer on social media.		

CANCER SCREENING

Breast Cancer Screening	April	Memorial Regional Breast Care Center	"Pink Thursday" from 4 to 7 p.m. at Memorial Regional Breast Care Center for uninsured women and those who meet the qualifications for UHS programs. Enrolled and completed 18 screening mammograms for eligible women. Five abnormal mammograms found, prompting further workup with additional views and/or biopsy. All negative. Event prompted additional calls from women needing mammogram and Pap test. Total women impacted by event was 26.
Skin Cancer Screening	July	Local Business	Cancer center staff, NP and RN went to local business to do a skin cancer screening event. Exams and education offered to 23 participants. Seven participants were referred to dermatology NP for further evaluation and PCPs notified.
Lung Cancer Screening	Low-dose CT used to effectively screen for early signs of lung cancer. Seventy one low-dose CTs completed in 2016. Four abnormal results (none with lung cancer) found to date with continued follow-up and work up in progress.		

MAYO CLINIC CARE NETWORK

In May of 2016 Beacon Health System joined the Mayo Clinic Care Network. This network has been very beneficial to the oncology program. One of the services offered as part of the program is eConsults. Through this service, patients can receive an electronic second opinion at the Mayo Clinic through their Beacon medical or radiation oncologist. The second opinion is free of charge to the patient and does not require the patient to travel to Mayo Clinic. Thus far, 50 oncology patients have benefited from the eConsult service. The oncology program is also able to utilize the expertise at Mayo Clinic to expand local services. The oncology program is currently working with the Mayo Clinic to develop a smoking cessation program to help patients who are interested in quitting smoking.



eCONSULT PATIENT STORIES

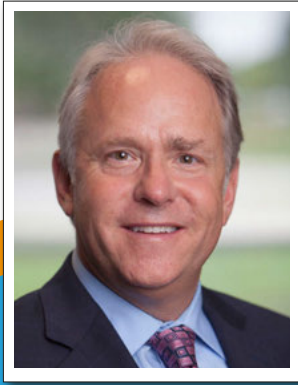
A PATIENT NEWLY DIAGNOSED WITH PROSTATE CANCER

A 59-year-old man was diagnosed with prostate cancer by a local urologist and referred to Dr. Thomas Reid at the Memorial Regional Cancer Center. Dr. Reid presented a surgical and non-surgical option (radiation therapy), both with curative intent. Each treatment option had the potential for long-term side effects, and the patient struggled with his choices. Dr. Reid offered a Mayo Clinic Care Network eConsult for a second opinion, which was appealing to the patient due to work obligations, travel costs and insurance limitations. The patient left Memorial feeling like a good plan of care was in place to help guide him in his decision-making. He expressed gratitude for renewed confidence in his physician and the empowerment he felt from his care team.

AN ADVANCED-STAGE UTERINE CANCER DIAGNOSIS

A 69-year-old woman was diagnosed with an advanced stage uterine cancer. She was referred to Dr. Nonyem Onujiogu, who performed surgery and recommended chemotherapy follow-up. However, the patient was not certain that she was interested in chemotherapy. Dr. Onujiogu offered an eConsult to allow the patient to explore other treatment options and discuss the benefits of these options as well as chemotherapy. The patient ultimately chose the treatment being advised by Dr. Onujiogu, after the Mayo oncologist concurred with the recommendation and the disease staging.

PHYSICIANS AND SPECIALISTS

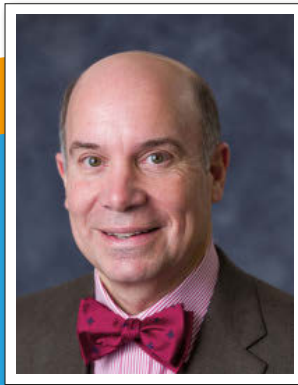


David Hornback, MD
Radiation Oncology

Dr. Hornback is a board-certified radiation oncologist and is the Medical Director of the radiation oncology program at Memorial Hospital.

After receiving his medical degree at the Indiana University School of Medicine, he interned at St. Vincent Hospital in Indianapolis and completed his residency in radiation oncology at Indiana University Hospital in Indianapolis. Dr. Hornback moved to South Bend in 1992 where he joined Radiology, Inc. and began his practice at Memorial Hospital.

In 2009, Dr. Hornback joined Memorial Medical Group, which is now Beacon Medical Group. Dr. Hornback specializes in high and low dose rate brachytherapy and prostate seed implants. In fact, he has the most clinical experience in permanent seed implant for prostate cancer in our region. He has a special interest in treating patients with prostate, breast, gynecologic, lung and colorectal cancer. He has experience in special radiation procedures including stereotactic radiosurgery and stereotactic body radiotherapy. Dr. Hornback has extensive clinical research experience and maintains memberships in a number of professional associations, including the American Society for Therapeutic Radiology and Oncology, the American College of Radiation Oncology and the American Society of Clinical Oncologists.



Thomas J. Reid III, MD, PhD, FACP
Hematology-Medical Oncology
Memorial Regional Cancer Center Medical Director

Dr. Reid received his medical degree from Uniformed Services University of the Health Sciences in Bethesda, Maryland. He completed his internship and residency in internal medicine and fellowship in hematology-medical oncology at the Walter Reed Army Medical Center, District of Columbia. He received a PhD in biochemistry at Purdue University.

From 1991 to 2004, Dr. Reid was at the Walter Reed Army Institute of Research, including three years as Chief of Blood Research. From 2004 to 2008, Dr. Reid was Chief of Hematology-Medical Oncology at the Walter Reed Army Medical Center. After 27 years in the Army Medical Corps, he retired in 2008 as a full Colonel.

From 2011 to 2012, he was Chief, Hematology-Medical Oncology and Program Director at MedStar Good Samaritan and MedStar Union Memorial Hospitals in Baltimore, Maryland. In Baltimore and at Walter Reed, he served as Principal Investigator for the cancer clinical trials cooperative group, Cancer and Leukemia Group B (CALGB). Dr. Reid also served as co-chair of the Clinical Research Committee at the Lombardi Cancer Center, Georgetown University Medical Center.

His special interests include cancer clinical trials (adult solid tumors and lymphomas, supportive care, cancer vaccines, translational research), cancer epidemiology, cancer genetics, cancer survivorship and coagulation (bleeding and clotting) and hematologic disorders.



Samuel McGrath, MD
Radiation Oncology

Dr. McGrath received his medical degree from Wayne State University School of Medicine in Detroit, Michigan, graduating with highest distinction as a member of the Alpha Omega Alpha national medical honor society. Prior to this, he completed his bachelor's degree in chemistry at Indiana University, Bloomington, where he graduated summa cum laude and as a member of the Phi Beta Kappa honor society.

He completed his internship and residency at William Beaumont Hospital in Royal Oak, Michigan. While at William Beaumont, Dr. McGrath had the opportunity to train under several nationally renowned radiation oncologists, acquiring valuable experience with advanced treatment planning and delivery techniques, including radiosurgery, brachytherapy and IMRT/IGRT.

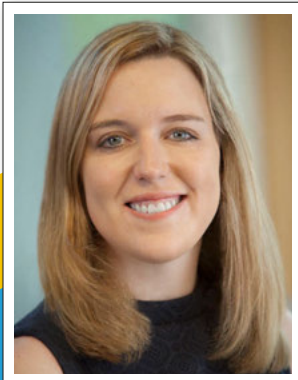
A board-certified radiation oncologist who has been practicing at Memorial Hospital of South Bend since 2010, Dr. McGrath has published on a variety of topics, including prostate, breast and lung cancer. He is an active member of the American Society of Therapeutic Radiology and Oncology and treats all solid tumors at both the South Bend and Mishawaka offices.



Ivan Bedoya-Apraez, MD
Hematology-Medical Oncology

Dr. Bedoya-Apraez received his medical degree at the Universidad de Caldas in Colombia and completed his internal medicine residency at The Jewish Hospital in Cincinnati and hematology-oncology fellowship at the University of Cincinnati. Dr. Bedoya joined Memorial Regional Cancer Center and Beacon Medical Group in 2014.

He is a member of the American College of Physicians, the American Society of Clinical Oncology and the American Society of Hematology. Board-certified in internal medicine, hematology and medical oncology, Dr. Bedoya-Apraez has a passion for individualized patient care and a special interest in gastrointestinal oncology and malignant hematology.



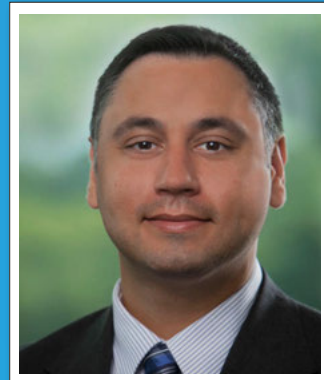
Lauren Das, MD
Radiation Oncology

Dr. Das received her medical degree from the University of Illinois at Chicago College of Medicine and is a member of the Alpha Omega Alpha Honor Medical Society. She completed her residency training in radiation oncology at the University of Chicago, Department of Radiation and Cellular Oncology. During her residency training, she served as a chief resident and completed a master's degree in clinical research for health professionals at the University of Chicago, Department of Public Health Sciences.

Prior to her medical training, she received her bachelor's degree in biology with a concentration in genetics from Duke University.

Dr. Das has participated in a wide variety of research pursuits and is a member of several professional organizations including the American Society for Radiation Oncology, the American Brachytherapy Society, the Radiological Society of North America, the American Society of Clinical Oncology and the American College of Radiation Oncology.

She has special interests in intensity-modulated radiation therapy, stereotactic body radiation therapy, stereotactic radiosurgery, brachytherapy, image-guided radiation therapy and other advanced techniques.



Javed Malik, DO
Hematology-Medical Oncology

Dr. Malik received his medical degree from the Chicago College of Osteopathic Medicine at Midwestern University and completed both his residency in internal medicine and his fellowship in hematology and oncology at Franciscan Alliance St. James Health/Midwestern University.

Dr. Malik is board-certified in medical oncology and internal medicine and board-eligible in hematology.

He served on the Cancer Committee and Tumor Board at St. James Health and is currently a member of the American Society of Clinical Oncology, the Chicago Lymphoma Rounds, the American Osteopathic Association and the American Society of Hematology.

Dr. Malik joined Beacon Medical Group in 2016 and is an advocate for cancer prevention and speaks frequently on the topic in our community. He has a special interest in the treatment of multiple solid tumors including breast, lung, colon and prostate cancers.



Nonyem Onujiogu, MD
Gynecologic Oncology

Dr. Onujiogu received her medical degree from the University of Chicago Pritzker School of Medicine and completed her obstetrics and gynecology residency at the University of Chicago Medical Center. She completed her gynecologic oncology fellowship at the University of Wisconsin School of Medicine and Public Health in Madison, Wisconsin. She joined Beacon Medical Group in 2015.

Dr. Onujiogu specializes in treatment of ovarian, uterine, cervical, vulvar, and vaginal cancers. She is experienced in robotic, laparoscopic, and complex gynecologic surgeries. Dr. Onujiogu most recently served as Assistant Professor in the Division of Gynecologic Oncology at the University of Illinois at Chicago. She is board-certified in obstetrics and gynecology, is a member of the Society of Gynecologic Oncology, and a Fellow of The American Congress of Obstetricians and Gynecologists. Dr. Onujiogu's greatest interest is providing quality and compassionate care to the women of this community.



Luiz Pantalena, MD, PhD
Dermatologic Surgery

Dr. Pantalena received his medical degree and doctorate degree in developmental biology from Stanford University in Palo Alto, California. He completed his residency in dermatology at University Hospitals in Cleveland, Ohio, and his fellowship in dermatologic surgery at the University of British Columbia in Vancouver, Canada. A passionate researcher, Dr. Pantalena has published academic articles in both basic science and applied dermatological surgery. Dr. Pantalena joined Beacon Medical Group in 2015.



Melissa Holman, MS, LCGC
Certified Genetic Counselor



Silvia C. Dyson, LCSW, LMSW
Dedicated Oncology Social Worker



Lynn Sobecki, RN, BSN, OCN
Nurse Navigator



Kathryn Hawley, RN, OCN
Nurse Navigator



Dawn Case, AOCNP
Board-certified Oncology
Nurse Practitioner



June Brandner, RD, CSO, CD
Certified Oncology Dietitian



Kelly Mailloux, RN, BSN
Nurse Navigator



Amy Tinlin, RN, OCN
Nurse Navigator





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REGIONAL CANCER CENTER

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