



Annual Report

2018 | CONTAINS 2017 DATA



Deaconess Cancer Services



Deaconess Cancer Services is the region's most comprehensive cancer program, delivering complete, compassionate care through diagnosis, treatment and survivorship.

Our affiliation with MD Anderson Cancer Network®, a program of MD Anderson Cancer Center, combines the best of what we provide locally with the world-renowned expertise of MD Anderson. We can offer treatment—close to home—based on the latest research and guidelines developed by leading experts at MD Anderson.

We also understand that cancer services are more than complex technology and treatment options. Cancer treatment is a holistic experience involving the mind, body and spirit of both the patient and caregiver. Deaconess offers a wide variety of complementary support services in the calm, soothing atmosphere of the Chancellor Center for Oncology.



Dr. Chris Braden
MD Anderson
Cancer Network®
Certified Physician

From Our Oncology Committee Chairman

Deaconess Cancer Services has grown tremendously over the past two years. Not so long ago, our team had a vision of providing leading-edge therapies right here in our community. We had a vision of easing this difficult journey for our patients and caregivers. We had a vision of participating in the highest-level research that will lead to greater breakthroughs. As the chairman of Deaconess Cancer Services, it's my great honor to report that we have indeed turned these visions into reality.

After a rigorous review process, our team is now a member of MD Anderson Cancer Network. We offer multidisciplinary clinics through which our patients have access to a team approach, such as our Breast Cancer Clinic in which patients meet with a medical oncologist, radiation oncologist, surgeon and genetic counselor during one comprehensive visit. Deaconess Cancer Services is also committed to treating the whole person, meeting our patients' social, emotional and nutritional needs with the help of our dedicated social worker, nurse navigators and registered dietitians. Our patients are also enjoying the comfort and technology of our new infusion center, complete with 29 infusion chairs and 7 private infusion rooms.

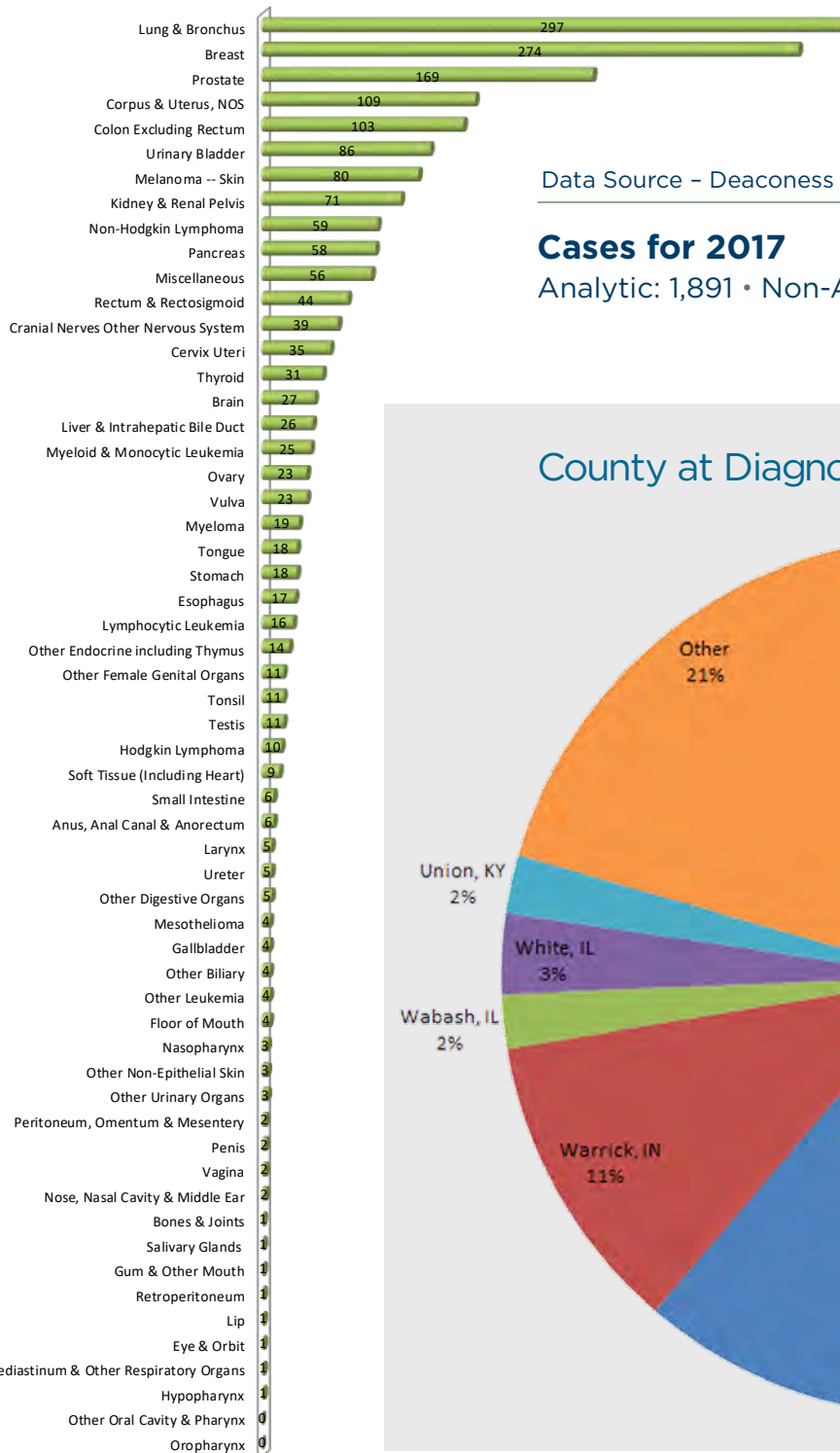
Finally, I'm proud to announce that Deaconess Cancer Services is now a member of the National Community Oncology Research Program (NCORP), which offers patients innovative, groundbreaking clinical trials. Only at Deaconess will you find these trials, bringing hope to our patients in the Tri-State.

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Incidence of Cancer by Site – 2017

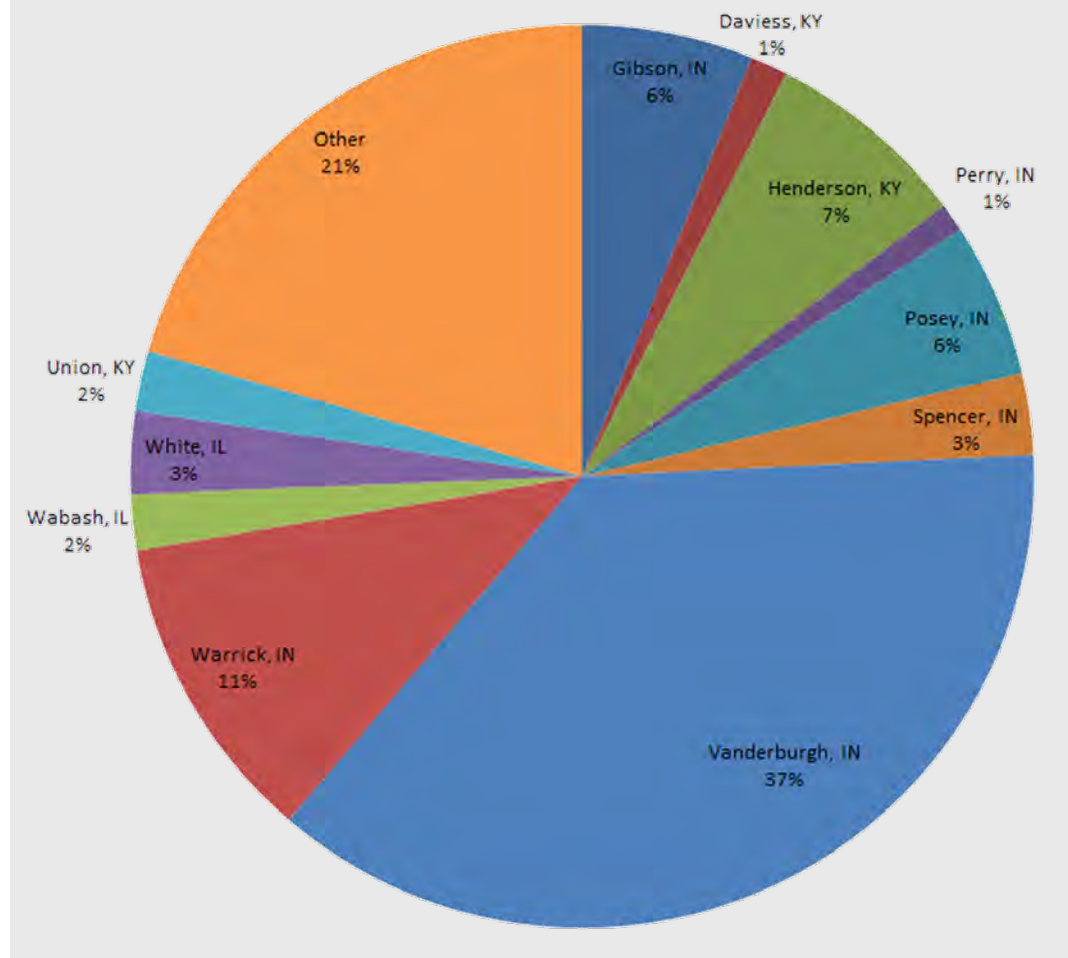


Data Source – Deaconess Hospital Cancer Registry

Cases for 2017

Analytic: 1,891 • Non-Analytic: 249 • Total: 2,140

County at Diagnosis 2017 Cases – All Sites





Joann Zeller, MBA, RTT, CTR
Oncology Standards Supervisor



Kristin Hughes, RHIT, CTR
Certified Tumor Registrar



Kimberly Turpin, RHIT, CTR
Certified Tumor Registrar



Elizabeth West, CTR
Certified Tumor Registrar



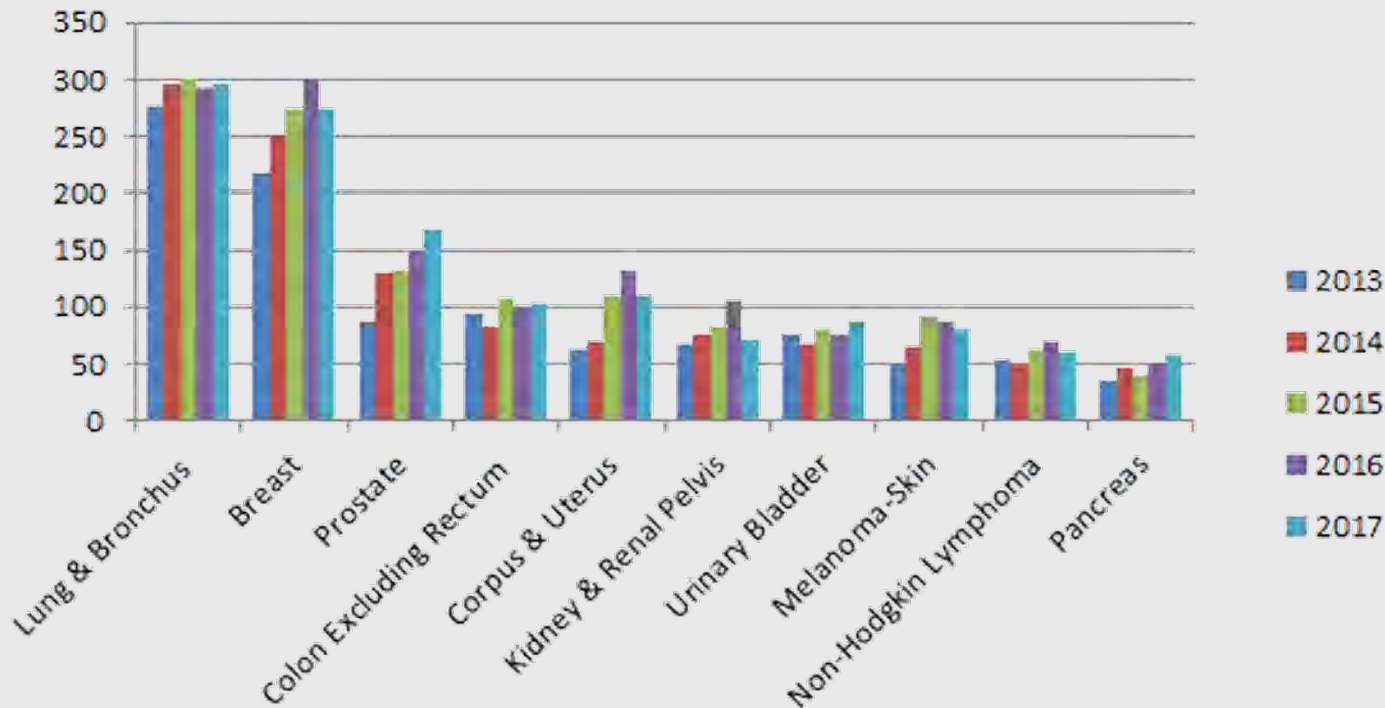
Debbie Seibert
Cancer Registry Clerk

Deaconess Incidence Comparison to National 2017

American Cancer Society - Cancer Facts and Figures 2012 Estimated New Cases

MALE			FEMALE		
SITE	DEACONESS	NATIONAL	SITE	DEACONESS	NATIONAL
Lung/Bronchus	18.1%	13.99%	Breast	27.2%	29.64%
Prostate	20.7%	19.3%	Colon	5.8%	5.61%
Colon	5.9%	5.7%	Lung/Bronchus	12.5%	12.37%
Urinary Bladder	7.9%	7.23%	Corpus Uterus	11.1%	7.2%
Melanoma Skin	6.4%	6.24%	Cervix Uteri	3.6%	1.5%
Other	41%	47.54%	Other	39.8%	43.68%
Total	100%	100%	Total	100%	100%

Deaconess Incidence - Top 10 Sites for the Last 5 Years



Deaconess and MD Anderson Cancer Network®



July 2016, Deaconess Health System became the 16th member of MD Anderson Cancer Network®. MD Anderson Cancer Network was created to advance MD Anderson's mission to eliminate cancer. The goal of the network is to share expertise and extend research-based, multidisciplinary, sub-specialty clinical care protocols to mission-aligned hospitals and health systems. These collaborations provide high-quality care to patients in the communities where they live.

As a certified member of MD Anderson Cancer Network, our certified MD Anderson Cancer Network physicians have access to cancer research, clinical trials, evidence-based guidelines, and treatment plans developed by MD Anderson experts. Our certified cancer specialists also have access to innovative therapies and can consult directly with their counterparts at MD Anderson Cancer Center in Houston, Texas.

Our affiliation combines the best of what we provide locally with the world-renowned expertise of MD Anderson right here at home.



Shawn McCoy—CEO, Deaconess Health System
Deb Wilson—Director, Deaconess Cancer Services
Linda E. White—Executive Director,
Deaconess Foundation

Cancer Liaison Physician

From Samer Schuman, MD

It's my pleasure and privilege to serve as the Cancer Liaison Physician (CLP) for Deaconess Cancer Services. We're very proud to be accredited by the Commission on Cancer, a quality program of the American College of Surgeons. As the CLP, I work closely with the American College of Surgeons Commission on Cancer, Deaconess leadership, oncologists, surgeons, staff and every service that touches our cancer patients to ensure we're delivering the highest quality of care, one patient at a time. We do this by continuously evaluating, interpreting and reporting our cancer program's performance using National Cancer Data Base data. Year after year, we continue to meet or exceed the national standards set forth by the Commission on Cancer.

However, at Deaconess we do not rest by just meeting or exceeding the local or national standards. Our goal is to provide our patients with world-class cancer care on par with the top comprehensive cancer centers around the world. We're achieving this goal by building high-quality programs, including:

- ▶ MD Anderson Cancer Network Affiliation
- ▶ The Gynecologic Oncology program
- ▶ The Multidisciplinary Breast Clinic
- ▶ The Research Institute clinical trials portfolio
- ▶ The Urologic Oncology program

As a member of MD Anderson Cancer Network, we offer our patients access to cancer research, clinical trials, innovative therapies and the expertise of MD Anderson Cancer Center—the # 1 Cancer Center in the nation, according to *U.S. News & World Report*.

Deaconess has the only comprehensive gynecologic oncology program in the region. We are a **high-volume hospital/high-volume provider** gynecologic oncology center. This is very important when it comes to cancer care, as high-volume facilities have significantly higher cancer-specific survival when compared to low-volume centers or providers. For example, ovarian cancer patients who receive care at a high-volume facility have a 31% increase in survival compared to patients treated at low volume centers. We're fortunate to be able to provide the Tri-State with this high-volume hospital/provider combination, knowing that less than 5% of gynecologic cancer patients nationally have access to such high-quality programs.

In 2014, Deaconess and The Women's Hospital started the first Multidisciplinary Breast Clinic in the region. During a single visit, a patient can see all the providers (surgeons, medical oncologist, radiation oncologists, plastic surgeons, genetic counselor, etc.) necessary for the care of her breast cancer. This shortened the time from diagnosis to treatment, improved communication, and decreased variability among providers. It decreased duplicate testing and lead to cohesive, clear, evidence-based treatment plans. Additionally, it led to high patient and physician satisfaction.

Through our affiliation with MD Anderson and National Cancer Institute/Carle Cancer Center, we're able to offer our patients clinical trials from a robust portfolio, giving them access to leading-edge treatments that may not become available commercially for several years.

Since 2014, the urologic oncology program continues to deliver comprehensive multidisciplinary care to our patients with a dedicated urologic oncologist and a dedicated weekly multidisciplinary tumor board.

2017 has been a year of tremendous growth for cancer services at Deaconess. Our priority is delivering the highest quality care available, and we'll continue to work hard to ensure that our patients receive excellent cancer care—right here in Evansville.



SAMER SCHUMAN, MD, FACS, FACOG

Gynecology-Oncology and
Breast Surgical Oncology

MD Anderson Cancer Network®
Certified Physician

FELLOWSHIPS

Gynecology-Oncology
Breast Surgical-Oncology

PHILOSOPHY

Provide patient-centered care for
gynecological cancer patients. We
provide surgery as well as additional
treatment following surgery.

¹ <https://health.usnews.com/best-hospitals/rankings/cancer> accessed February 25, 2018

² R.E. Bristow et al. *Gynecologic Oncology* 132 (2014) 403-410

Multidisciplinary Care



Our Approach

A multidisciplinary approach to comprehensive cancer care means that multiple cancer experts work together, sharing their expertise and opinions to provide high-quality, precision treatment options and management of individual patients' needs.

Conference Schedule

Urologic Oncology Conference – Every Monday at 7:15 AM

MD Anderson Cancer Network® Conference –
Every Tuesday at 7 AM

MD Anderson Cancer Network's weekly care conference, during which we can present our patients' complex cases to some of world's leading cancer experts to ensure our patients are offered every treatment opportunity for difficult or aggressive tumors right here at home.

Lung Nodule Review Board – Every Wednesday at 7:15 AM

Multidisciplinary Breast Cancer Clinic – Every Friday at 7:30 AM

General Tumor Conference – Every Friday at 7:30 AM
for all other complex cancers

Clinical Trials

Advanced Treatment Options Through Leading-Edge Cancer Research

Cancer research underway at Deaconess provides leading-edge cancer trials and innovative treatments to cancer patients throughout southern Indiana, western Kentucky and eastern Illinois. Such advanced treatment innovations include new immunotherapy discoveries and new precision medicine clinical trials that target a patient's genetic abnormalities.

Deaconess is the region's only designated member of the National Community Oncology Research Program (NCORP) and the National Cancer Institute's Molecular Analysis for Therapy Choice (NCI-MATCH)

program, which provides Deaconess cancer specialists access to the world's top 20+ cancer drugs in development today.

In addition, Deaconess now serves as a research affiliate of MD Anderson Cancer Network®, the world's leader in innovative cancer research and treatments. This new relationship ensures that area cancer patients have access to the most effective, up-to-date therapies close to home.



“Our cancer research affiliations through MD Anderson Cancer Network and the National Cancer Institute ensures some of the most advanced cancer expertise is now accessible locally.”

— Christopher Braden, DO
MD Anderson Cancer
Network® Certified Physician

Multidisciplinary Breast Cancer Program

When It Comes to Breast Cancer, **ONLY ONE THING MATTERS... Exceptional Care.**

The Multidisciplinary Breast Cancer Program (MDBP) is a referral-based program that provides newly diagnosed breast cancer patients with an opportunity to meet with a breast surgeon, medical oncologist, radiation oncologist, plastic surgeon, genetic counselor and certified breast cancer nurse navigators during a single appointment.

The MDBP has allowed increased continuity of care among the cancer team, decreased time between diagnosis and treatment plan, and increased patient satisfaction. Prior to seeing the patient, the cancer team meets to discuss all aspects of the patient's history and determines recommendations of treatment based on national guidelines. The patient is evaluated by each specialty (surgical, medical, radiation) of the cancer team, and a treatment plan is provided. Utilizing the MDBP approach, the average time between diagnosis to treatment plan has been reduced from twenty-two days to nine days.

What Our Patients Are Saying

"This approach was very effective. I appreciated meeting all the doctors and providers on the same day and leaving with a treatment plan. Everyone was attentive, respectful and compassionate during a difficult time. They treated my family with the same respect and compassion. Thanks!"

"The clinic made me feel more comfortable. I felt like everyone was working together as a team and had a mutual plan for my treatment. It seemed to make the process move much faster."





Jon Frazier, MD

Noah Taylor, MD

Certified MD Anderson Cancer Network® Physicians

TRUEBEAM® HIGH-PRECISION RADIOTHERAPY TREATMENT

Overview

The leading-edge TrueBeam radiotherapy system brings Deaconess Radiation Oncology to the forefront in the fight against cancer. Designed to treat targets with high speed and accuracy, TrueBeam is a fully-integrated system for image-guided radiotherapy and radiosurgery that addresses a diverse range of cancer cases. Truebeam uses advanced technology to help physicians treat areas in close proximity to critical structures or if significant changes in anatomy occur during the course of treatment, making targets difficult to reach without the use of TrueBeam technologies.

To enhance our stereotactic, radiosurgery and general radiotherapy program, advanced technologies such as motion management, integrated imaging and high dose rates are used to deliver these innovative treatments. The TrueBeam system offers our physicians intelligent tools for a wide spectrum of treatment options, including SBRT and SRS. TrueBeam is designed to help our clinicians navigate the complexities of cancer care by directing higher doses of radiation with greater precision, speed and confidence.

Deaconess Cancer Services is a certified member of MD Anderson Cancer Network®, a program of MD Anderson Cancer Center.

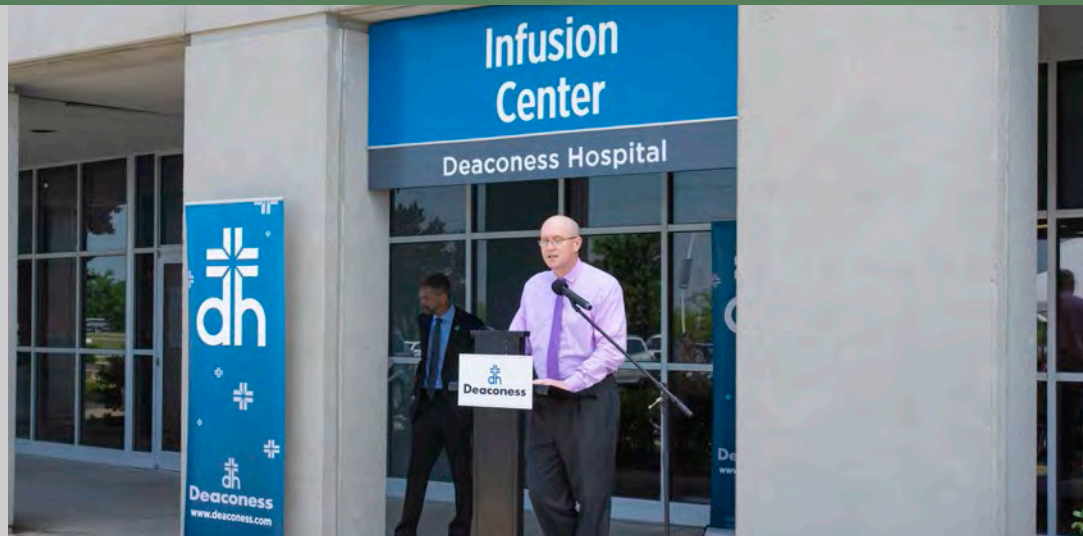
Key Takeaways

- The Varian TrueBeam was designed from the ground up to treat targets with advanced speed and improved accuracy
- Enhanced onboard imaging technology improves accuracy of treatment setup and decreases treatment time
- Advanced treatment couch technology allows for sub-millimeter positioning accuracy, leading to more precise treatment delivery
- High-definition collimation improves radiation dose shaping for smaller lesions and lower dose to surrounding normal tissues

New Deaconess Hospital Infusion Center

In June, the new Deaconess Hospital Infusion Center opened with a ribbon cutting and “blessing of the hands” ceremony. Located on the Deaconess Gateway campus, the new infusion center features twin units of 14 pods, for a total of 28 infusion chairs.

Each patient will be able to enjoy increased privacy and comfort, including chairs that feature both heat and massage. Seven private infusion rooms are also part of the space, as well as additional consult/teaching areas to be used by nurse navigators, social workers, dietitians and other staff.



Introducing Claire Sutherby, MSN, RN, AGCNS-BC, CMSRN

Clinical Nurse Specialist focused on Cancer Survivorship

A clinical nurse specialist (CNS) is a master's-prepared, advanced-practice registered nurse who works to improve outcomes in patient care. An advanced-practice oncology CNS is an expert clinician, patient educator, researcher and consultant whose primary goal is to decrease Emergency Department visits related to treatment side-effects. Claire can:

- ▶ See patients and help get them back to baseline functionality.
- ▶ See patients who are experiencing side-effects related to their active treatment.

Survivorship referrals should be placed within the first six months after a patient completes active treatment. Once a referral is placed, the patient is called to schedule an appointment at the Chancellor Center for Oncology.

Survivorship is important to patients who complete cancer treatment to ensure they return to their baseline functionality. Survivorship visits include:

- ▶ physical examination
- ▶ review of side-effects (if applicable) related to treatment
- ▶ nutrition, rehabilitation and depression screening
- ▶ symptoms and side-effects to watch for
- ▶ health promotion information
- ▶ follow-up and screening recommendations
- ▶ referrals (if needed)

Survivorship appointments are key to providing our patients with excellent care following their treatment to maintain and improve quality of life.

REFERRALS

Patients can be scheduled through Epic or by calling Medical Oncology at the Chancellor Center at **812-858-3051** or Medical Oncology at Deaconess Clinic Downtown at **812-426-9411**.



Community Outreach

Each year, staff from many areas of practice within Deaconess Cancer Services provide community outreach, education and screenings. These efforts improve awareness of cancer, guide people in making healthy lifestyle modifications, and promote early detection and screenings.

Here are some key numbers for 2017

- ▶ 38 community events attended, reaching more than 11,000 people
- ▶ Offered 15 online education opportunities (via Facebook discussion, blogs, etc.) reaching 100,000+
- ▶ Hosted or lectured at 11 separate events, reaching more than 550 individuals and professionals
- ▶ Of the 2,451 women who had a screening mammogram on the Deaconess Mobile Breast Center, 425 were provided at no charge via grants to women who were medically under served.
- ▶ Provided five community screening opportunities, including:
 - Head and neck cancers
 - Skin cancer
 - Prostate cancer
 - Colon cancer (FOBT kits)
 - Pap/HPV screenings

Community Cancer Screenings

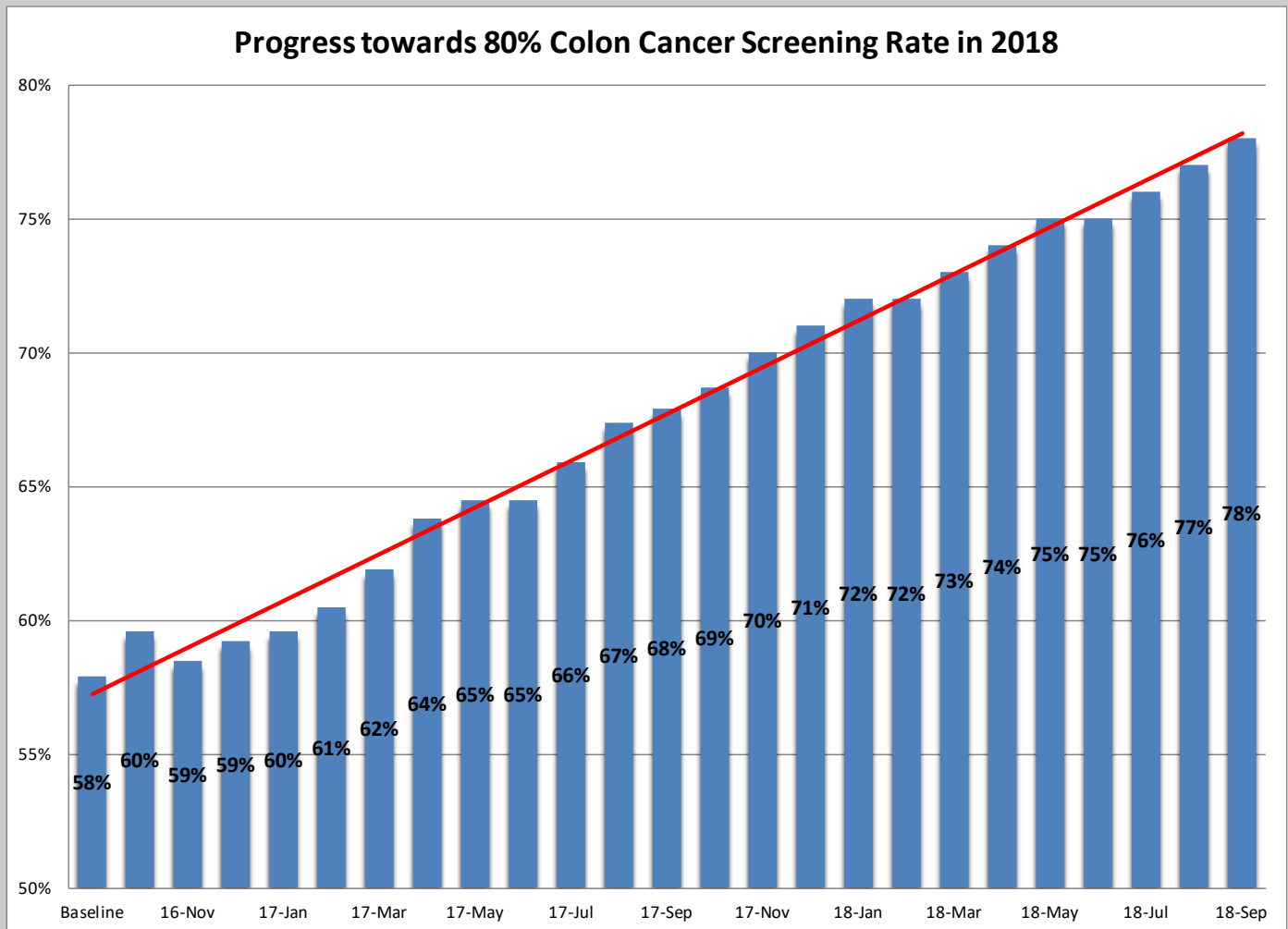
To improve the health the Tri-State, Deaconess offered many no-fee cancer screening opportunities to to the community in 2017.

Below is a list of screenings and the numbers served. Each patient with an abnormal result received follow-up care from an appropriate physician or provider.

Breast Cancer Screenings (grant-funded mammograms for the medically under served)	425
Head and Neck Cancer Screenings	60
Skin Cancer Screenings	137
HPV/Cervical Cancer, Colorectal, Prostate Screenings	32



80% by 2018 Colorectal Screenings



In 2015, Deaconess pledged to increase colon cancer screening rates to “80% by 2018,” as part of a national initiative from the National Colorectal Cancer Roundtable to reduce mortality from colon cancer.

At the time of the pledge, our screening rates for our patient population were around 50.2%. As of the time of this report, we have reached 78% compliance and anticipate reaching 80% by the end of 2018.

This success is the result of extensive multidisciplinary collaboration, innovative process improvements, and a dedication to doing the right thing for our patients.



Support Services

Gilda's On The Go

In 2018, Deaconess Cancer Services formally partnered with Gilda's Club for providing on-site emotional and social support for cancer patients and their loved ones. Programming is provided at Chancellor Center for Oncology and the newly-opened Deaconess Hospital Infusion Center, also located on the Deaconess Gateway Campus.

Gilda's Club on-site programming includes support groups, educational workshops, lifestyle activities, social events and resources and referrals. All activities are customized to meet the individual needs of each patient.



Cancer Care Support Services

Patients of Deaconess Cancer Services receive the most comprehensive support services offered in the region.

Nurse Navigation: Our oncology nurse navigators are specially designated clinical staff who help patients through their cancer journey, including diagnosis, treatment and survivorship.

Social Worker: Oncology social workers play a crucial role in a comprehensive cancer program by providing a safe place to express distress and grief, alerting physicians to patients' mental health crises, helping to decrease social or financial challenges, and referring patients to online and community resources.

Nutritional Services: The oncology dietitian's role is to work with the comprehensive care team to identify patients who are at high risk for malnutrition or significant weight loss and work with those patients to maintain their nutritional status during treatment.

Cancer Rehabilitation Services: Research shows that physical and occupational therapies complement cancer treatment in a variety of ways. The program focuses on fatigue, pain management, mobility and quality of life.



Meet Our MD Anderson Cancer Network® Certified Physicians

Oncology and Hematology



**Maqbool
Ahmed, MD**
Deaconess Clinic



**Amy
Braden, DO**
*Deaconess
Clinic*



**Christopher
Braden, DO**
Deaconess Clinic



**Devi
Kodali, MD**
*Deaconess
Clinic*

Oncology Specialists



Joseph Kink, MD
*Deaconess Clinic,
Urologic Oncology*



Samer Schuman, MD
*The Women's Cancer
Center, Gynecologic
Oncology, Breast
Surgical Oncology*

Radiation Oncology



Jon Frazier, MD
*Therapy Associates,
Deaconess
Chancellor Center*



Noah Taylor, MD
*Therapy Associates,
Deaconess
Chancellor Center*

Surgery



**Adam
Becker, MD**
*Deaconess Clinic
Urology*



Kristi Peck, MD
*Evansville Surgical
Associates,
General Surgery,
Breast Surgery*



**Lee
Wagmeister, MD**
*Deaconess
Heart Group,
Cardiothoracic
Surgery*



**Brian
Schymik, MD**
*Evansville Surgical
Associates,
General Surgery,
Breast Surgery*



Joshua Aaron, MD
*Evansville Surgical
Associates,
General Surgery,
Breast Surgery*



**W. Matthew
Vassy, MD**
*Evansville Surgical
Associates,
General Surgery,
Breast Surgery*



Andrea Jester, MD
*Evansville Surgical
Associates, General
Surgery, Hepato-
Pancreato-Biliary
Surgery*

Radiology



**Jugesh
Cheema, MD**
*Evansville
Radiology*



**Lee
Hoagland, MD**
*Evansville
Radiology*



**Janine
Morris, MD**
*Evansville
Radiology*



**John
Sutkowski, MD**
*Evansville
Radiology*

Pulmonary and Critical Care Medicine



**Raghav
Gupta, MD**
*Deaconess
Pulmonary and
Critical Care*

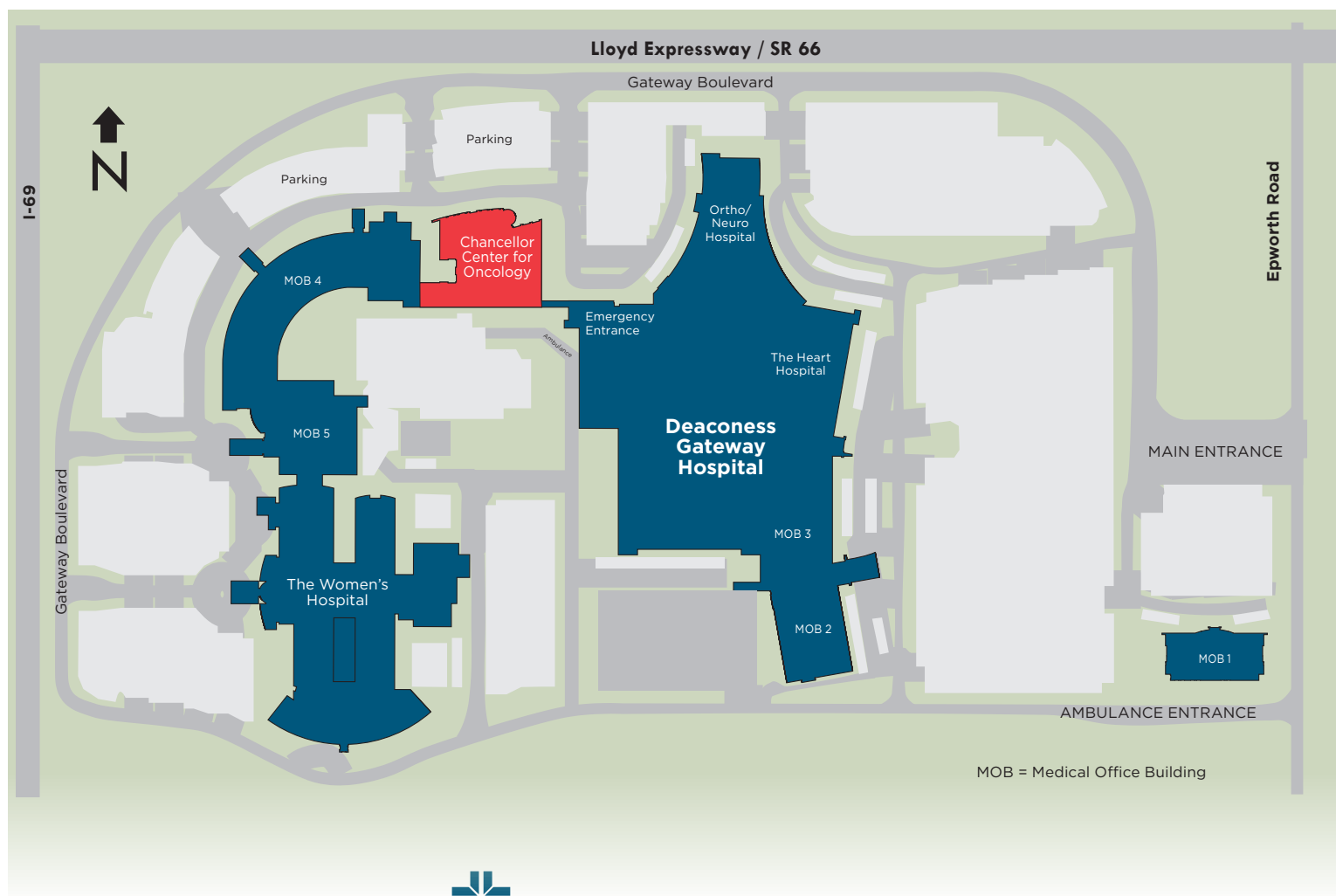


**Guido
Gutter, MD**
*The Women's
Cancer Center*

Plastic and Reconstructive Surgery



**Craig
Triola, MD**
*Evansville
Radiology*



812-858-2273 • deaconess.com/cancer

Chancellor Center for Oncology

4055 Gateway Blvd
Newburgh, In 47630

- **Medical Oncology**
812-858-3051
- **Radiation Therapy**
812-858-2274
- **The Women's Cancer Center**
812-842-2210

**Infusion Center – Gateway Campus
Medical Office Building (MOB) 4**

4011 Gateway Blvd
Newburgh, IN 47630
812-858-3057

**Infusion Center – Gateway Campus
Deaconess Hospital, Unit A600**

4101 Gateway Blvd
Newburgh, IN 47630
812-842-2861

**Infusion Center – Midtown Campus
Deaconess Hospital, Unit 5100**

600 Mary Street
Evansville, IN 47710
812-450-6080

**Deaconess Hospital
Breast Center**

520 Mary Street, Suite 140
Evansville, IN 47710
812-450-5250

**The Breast Center at
The Women's Hospital**

4199 Gateway Blvd
Newburgh, IN 47630
812-842-4995