Each year, OhioHealth shares a report with our physician partners and the community highlighting the work we do to meet or exceed standards for cancer care set by the American College of Surgeons Commission on Cancer (CoC).

Following is a report that exemplifies our efforts in 2016 to continuously improve the quality of care we provide our patients across our health system, and details our efforts to prevent and detect cancer in its early stages.
At OhioHealth, we hold true to the philosophy that excellence in care — provided close to home — leads to the best outcomes for our patients, their families and caregivers in central Ohio and throughout the region. We serve 33 Ohio counties, and communities as far north as Mansfield and as far south as Athens.

OhioHealth is a certified member of MD Anderson Cancer Network® — a program of MD Anderson Cancer Center, a world-renowned leader in cancer care. MD Anderson is one of the nation’s original comprehensive cancer centers designated by the National Cancer Institute to help pioneer the guidelines that set the standard of cancer care today.

The relationship between OhioHealth and MD Anderson Cancer Network means our patients have access to nationally recognized cancer care protocols and best practices, allowing OhioHealth cancer specialists certified by the network to develop treatment recommendations to improve the likelihood of positive outcomes.

OhioHealth cancer care physicians who are certified by MD Anderson Cancer Network work with a patient’s primary care physician and, in some cases, an MD Anderson cancer specialist in Houston to develop a treatment plan that is right for each individual. Our cancer physicians can present their case and obtain treatment advice at multidisciplinary treatment conferences and through peer-to-peer consultations. If necessary, we will help arrange for a patient to receive consultation and treatment at MD Anderson Cancer Center in Houston.

Through our affiliation with MD Anderson Cancer Network, we participate in ongoing assessment of the quality of our cancer care. A self-concordance study to review the quality of care provided to lymphoma patients is underway at OhioHealth Riverside Methodist Hospital and OhioHealth Grant Medical Center; evaluation for full concordance of breast, lung, colon and prostate cases at OhioHealth Doctors Hospital, OhioHealth Dublin Methodist Hospital, OhioHealth Marion General Hospital and OhioHealth Grady Memorial Hospital is slated for fourth quarter Calendar Year 2016.

Seven of our 11 hospitals and nearly 70 of our affiliated physicians are certified members of the network.

Our certified facilities:
- OhioHealth Riverside Methodist Hospital
- OhioHealth Grant Medical Center
- OhioHealth Doctors Hospital
- OhioHealth Dublin Methodist Hospital
- OhioHealth Grady Memorial Hospital
- OhioHealth Marion General Hospital
- OhioHealth Mansfield Hospital
As our communities grow, so does OhioHealth, to ensure people have access to high-quality cancer care close to where they live or work. In Fiscal Year 2016, OhioHealth expanded medical oncology services at OhioHealth Marion Medical Campus and OhioHealth Delaware Health Center, with the addition of new hematology oncologists and advanced practice nurses who are serving patients in Crawford, Delaware, Hardin, Marion and Morrow counties.

**IN MARION**

Arun Kumar, MD, joined Arvinder Bhinder, MD, at Marion Medical Campus, where they evaluate and treat patients with all types of cancer and blood-related disorders. Working closely with them is nurse practitioner Debra Jackson-Elwer, DNP, FNP, RNC. These three cancer specialists provide care in our offices, the infusion center and the inpatient unit at OhioHealth Marion General Hospital.

**IN DELAWARE**

Dr. Kumar also sees patients at Delaware Health Center, where he is joined by Chaoyang Li, MD. These two cancer specialists, with nurse practitioner Jill Tucker, MSN, NP-C, OCN, CNP, are caring for patients with cancer and blood-related disorders at the health center and nearby OhioHealth Grady Memorial Hospital. In spring 2017, Delaware Health Center will become a comprehensive cancer facility with the addition of a new Radiation Oncology unit currently under construction.
OhioHealth Lung Cancer Screening Program

Lung cancer is the second most commonly diagnosed cancer in men and women in the United States and is the cause of more deaths than any other cancer. An estimated 224,390 new cases of lung cancer were expected in 2016 nationally accounting for about 14 percent of all cancer diagnoses. An estimated 158,080 lung cancer deaths were expected in 2016, accounting for about one in four cancer deaths. In Ohio, an estimated 10,550 new cases of lung cancer and 7,420 lung cancer deaths were expected in 2016.

Still, death rates have declined by 38 percent in men since 1990 and 12 percent in women since 2002 because fewer people smoke. From 2008 to 2012, smoking rates decreased by 2.9 percent annually in men and by 1.9 percent annually in women nationally.¹

The OhioHealth Lung Cancer Screening Program provides a multidisciplinary approach for patients who are at a higher risk for developing lung cancer. Patients receive education on lung cancer screening and tobacco cessation. Key to our program are dedicated radiologists who interpret screening results and patient navigators who ensure seamless care for patients by facilitating patient education and follow-up appointments.

OhioHealth has seen a steady increase in the number of people receiving lung cancer screening now that the Centers for Medicare and Medicaid Services (CMS) and other insurance providers have approved reimbursement for certain eligible populations, as well as through financial assistance programs.

Studies show that screening with low-dose spiral computed tomography (LDCT) reduces lung cancer mortality by 20 percent compared to standard chest X-ray among adults with at least a 30 pack-year smoking history who were current smokers or who had quit within 15 years.²

OhioHealth — 2016 PATIENTS SCREENED

The program, which adheres to national screening guidelines and is overseen by the OhioHealth Lung Cancer Advisory Board and Oncology Clinical Guidance Council, is now available at eight locations throughout the region, all of which have been designated Screening Centers of Excellence by the Lung Cancer Alliance. Our locations include:

+ OhioHealth Arthur G.H. Bing, MD, Cancer Center at Riverside Methodist Hospital
+ OhioHealth Grant Medical Center — William W. Wilkins Medical Professional Building
+ OhioHealth Doctors Hospital
+ OhioHealth Grady Memorial Hospital
+ OhioHealth Marion General Hospital
+ OhioHealth Mansfield Hospital
+ OhioHealth Westerville Medical Campus
+ OhioHealth O’Bleness Hospital
System Outcomes

1,970 SCREENING SCANS were conducted from July 2013, when the OhioHealth Lung Cancer Screening Program was implemented, through August 2016.

OF THOSE SCREENED 39 (1.9%) were diagnosed with lung cancer.

OF THOSE DIAGNOSED 71% early Stage I or II, which offers the best chance of survival. (By comparison, of patients with lung cancer who did not undergo early screening, just 31 percent are diagnosed at an early stage. 1)

Percentage of lung cancers, by stage at diagnosis
earlier stage diagnosis is better

REFERENCES:
The OhioHealth Genetic Counseling program provides a comprehensive and informative risk assessment for hereditary cancer. Our genetic counselors help determine whether the cancer in someone’s family is hereditary and, in collaboration with physicians and patients, help develop the most appropriate ongoing care plan for each patient. Our team has grown to include five licensed genetic counselors, three genetic counselor assistants and a patient relations coordinator, enabling us to expand patient access to genetic counseling throughout our health system. Genetic counseling appointments are now available either onsite or via telemedicine at the following locations:

+ OhioHealth Arthur G. H. Bing, MD, Cancer Center at Riverside Methodist Hospital
+ OhioHealth Grant Medical Center — William W. Wilkins Medical Professional Building
+ OhioHealth Doctors Hospital
+ OhioHealth Marion General Hospital
+ OhioHealth Mansfield Hospital
+ OhioHealth O’Bleness Hospital
System Outcomes

JANUARY — DECEMBER 2015

1,871 PEOPLE WERE REFERRED FOR GENETIC COUNSELING.

OF THOSE REFERRED,

933 PEOPLE RECEIVED GENETIC COUNSELING ACROSS OHIOHEALTH.

720 people completed their appointment in 2015, while the remaining 213 completed their appointment in 2016.

94 PERCENT OF PATIENTS WERE SEEN AT ONE OF THREE LOCATIONS:

78% RIVERSIDE METHODIST HOSPITAL
8% GRANT MEDICAL CENTER
8% DOCTORS HOSPITAL

The rest were seen at other OhioHealth locations.

97 PEOPLE (10 PERCENT) were identified to have a hereditary cancer syndrome.

JANUARY — SEPTEMBER 30, 2016

1,465 PEOPLE WERE REFERRED FOR GENETIC COUNSELING.

OF THOSE REFERRED,

309 PEOPLE RECEIVED GENETIC COUNSELING ACROSS OHIOHEALTH.

The majority of patients, 77% are still seen at Riverside Methodist Hospital

The number of appointments at Marion General Hospital has increased from 4% to 8%.

46 PEOPLE (15 PERCENT) were identified to have a hereditary cancer syndrome.

KEY HIGHLIGHTS FOR 2016

+ Initiated onsite genetic counseling services at OhioHealth Mansfield Hospital and telemedicine genetic counseling services at OhioHealth O’Bleness Hospital.

+ Completed a research project with breast surgery fellow Laura Nicole Gonser Hafertepen, DO, titled, “Barriers to Genetic Testing in Newly Diagnosed Breast Cancer Patients: Do Surgeons Limit Testing?” which was accepted for publication in The American Journal of Surgery.
Awareness

On June 11, 2016, OhioHealth and MD Anderson Cancer Center brought together physicians, patients, survivors, caregivers and families for a first-of-its-kind event — “United in the Fight Against Cancer: A Clinical and Community Conference.” Organized by a team of more than 30 individuals from each of our accredited facilities and our own corporate team, the event featured breast cancer survivor Joan Lunden, former co-host of Good Morning America, as its keynote speaker.

In addition to a clinical track, the event offered a community track for patients, their families and caregivers based on needs we’ve identified in the community and supported by national evidence-based guidelines. (See more on next page.)

Research

OhioHealth is affiliated with the NCI Community Oncology Research Program (NCORP), giving physicians and patients access to 100 clinical trials for new or recurrent cancers, as well as quality-of-life and prevention studies. Several investigator-initiated trials are also open.

Across our health system, nearly 6 percent of our analytic cases participate in clinical trials, exceeding the national average set by the CoC for accredited facilities. In addition, we increased collaboration with the OhioHealth Research and Innovation Institute, which has resulted in:

- Completion of MD Anderson Cancer Network business agreement for research.
- Support for our newly established Oncology Research Advisory Group, which reports to the OhioHealth Oncology Clinical Guidance Council.
- Receipt of five new trials from MD Anderson for consideration — one trial is nearly ready to open (bio-specimen repository for early detection of lung cancer in a cohort of patients undergoing low-dose lung cancer screening).
- Hiring of a program director for oncology research and a manager to oversee oncology research nurses at OhioHealth Mansfield Hospital and OhioHealth Grant Medical Center.
- Creation of an electronic catalog of all oncology research activities throughout OhioHealth that physicians and patients can reference, and posting of available cancer clinical trials on the OhioHealth website.
**CANCER CONFERENCE BREAKOUT SESSIONS AND THE FEEDBACK WE RECEIVED FOR EACH:**

<table>
<thead>
<tr>
<th>AREA OF COMMUNITY NEED</th>
<th>CLINICAL TRACK</th>
<th>SUMMARY OF EFFECTIVENESS (OUTCOMES)</th>
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</thead>
</table>
| Of those surveyed, 98 percent of cancer survivors said the hardest thing for them to deal with after their cancer was what to do when treatment ends. | “Finding Your New Normal After Cancer”  
Charles von Gunten, MD, presenter, OhioHealth Riverside Methodist Hospital | 148 attended the session; 87 percent stated after the presentation they can recognize and better manage anxiety; 91 percent stated they can identify non-medical ways to manage ongoing symptoms and feelings, including exercise, nutrition and mind-body therapy. |
| Per our distress screening data, 40 percent of patients answer “yes” to having sexual concerns or trouble with intimacy. | “Maintaining Relationships and Intimacy with Cancer”  
Melissa Juliano, DO, presenter, OhioHealth Mansfield Hospital | 45 community members attended this session; 95 percent stated after the presentation they can identify the effects of cancer on relationships; 89 percent stated they can identify new ways to manage relationships. |
| Per our distress screening data, the number-one cause for high distress scores are physical symptoms. | “Symptom Management”  
Jeanne Ashworth, MD, presenter, OhioHealth Marion General Hospital | 82 community members attended; 90 percent stated after the presentation they recognize options to manage their symptoms; 97 percent stated they can identify non-medical ways to manage ongoing symptoms. |
| The estimated prevalence of caring for an adult is 16.6 percent, or 39.8 million Americans. Approximately 34.2 million Americans have provided unpaid care to an adult age 50 or older in the prior 12 months. According to AARP, caregivers spend on average 24.4 hours a week providing care to their loved ones. | “Stress Management and Caring for the Caregiver”  
Mary Szczepanik, BSN, MS, RN, presenter, OhioHealth Cancer Care | 89 community members attended; 97 percent stated after the session they have learned new ways to manage stress; 97 percent stated they learned new tools to communicate with others. |
| Eight out of 10 people who were screened by our distress thermometer reported financial concerns with cancer care and treatment. | “Navigating Financial Resources and Planning for Cancer”  
Joyce Miller, MSW, LISW, OhioHealth Riverside Methodist Hospital and Jennifer Knotts, MS, LISW, OhioHealth Marion General Hospital, presenters | 73 community members attended; 94 percent stated they “strongly agree” or “agree” that the information shared was valuable; 93 percent stated that, after attending the session, they can identify the difference between a living will and a do-not-resuscitate order; 81 percent stated they can identify the difference between Long Term Disability, Short Term Disability and Supplemental Security Income. |
As members of MD Anderson Cancer Network, OhioHealth hospitals and their affiliated physicians follow all nationally recognized cancer care protocols and best practices for the screening, diagnosis and treatment of patients with cancer.

(Important to the OhioHealth mission, which is to improve the health of those we serve, is ensuring the patient care and experience we provide is as consistent as possible across our health system. For this reason, you may see repetitive information about our services in places throughout this document.)
**PREVENTION (STANDARD 4.1)**

**LUNG CANCER**

Tobacco is the leading cause of preventable morbidity and premature mortality in the United States. According to the American Lung Association, tobacco is responsible for one in five deaths in the United States. Its use costs the United States $300 billion annually, including $156 billion in lost productivity ($5.6 billion caused by secondhand smoke) and $170 billion in direct healthcare expenditures, according to the Centers for Disease Control and Prevention.

As part of an ongoing strategy to reduce the use of tobacco products and prevent chronic lung disease and cancers associated with tobacco use, OhioHealth Doctors Hospital, which serves a large high-risk population, offered five tobacco cessation courses in 2016 for patients and community members, as well as OhioHealth associates and their spouses. The free six-week course is a comprehensive behavioral program taught by certified tobacco treatment specialists who help participants assess their smoking behavior, identify reasons for quitting and develop an individualized plan to stop tobacco use. The course also offers a variety of evidence-based techniques, as well as moral support, behavioral modification, and counseling on medication and nicotine replacement therapy options to help participants gain the confidence they need to quit.

**2016 OUTCOMES**

+ 5 courses were offered; one was cancelled because of zero enrollment.
+ 49 participants enrolled in the courses, with 30 attending at least one class.
+ 22 completed the tobacco course.
+ 10 reduced their intake of tobacco.
+ 10 quit tobacco at the completion of the course.
+ In surveys completed after the course, participants indicated they appreciated the use of carbon monoxide monitors and group work; they did not suggest any changes to the curriculum.

**SCREENING (STANDARD 4.2)**

**LUNG CANCER**

The OhioHealth Lung Cancer Screening Program at Doctors Hospital reported continued success screening high-risk populations and detecting early-stage lung cancers. Now that lung screening is covered for certain groups by the Centers for Medicare and Medicaid Services and some private insurers, the hospital transitioned from retail payment to billing in 2016.

**2016 OUTCOMES**

(JANUARY — OCTOBER 2016)

+ 83 new patients were screened; of those, 32 received follow-up screenings; 3 were found to have lung cancer, including 2 early-stage lung cancers.
+ 5 high-risk patients were referred to specialists for additional follow-up.

**BREAST CANCER**

Early detection remains the goal when treating breast cancer. Mammography can detect cancer at an early stage and, thus, improves overall prognosis. The Women’s Imaging Center at Doctors Hospital offers personalized care by breast health patient navigators who ensure care coordination and support from time of abnormal finding through treatment.

**2016 OUTCOMES**

+ 4,432 screening mammograms were performed at Doctors Hospital and Hilliard Health Center.
+ Of those, 828 patients were called back for additional imaging.
+ 271 patients were biopsied; 13 were found to have breast cancer.
OhioHealth Doctors Hospital

KEY HIGHLIGHTS
FOR 2016

+ Held the 32nd annual Cancer Day, connecting oncologists with primary care physicians in the community and sharing with them important medical information on current oncology topics that are based on nationally recognized guidelines.
  • Money raised from Cancer Day paid for a patient blanket warmer at Hobbs Radiation Oncology Center, education materials and clinical guides for OCN® certification, a carbon monoxide monitor for tobacco cessation courses, and local fuel and pharmacy gift cards for patients needing assistance.

+ Through successful partnership with the American Cancer Society, 137 patients were referred, 14 patients received wigs and eight patients attended the “Look Good Feel Better” program offered onsite at Doctors Hospital.

+ Hosted a Great American Smokeout event in November, offering information about the OhioHealth Lung Cancer Screening Program, pulmonary function testing and tobacco cessation counseling.
OhioHealth Dublin Methodist Hospital

PREVENTION (STANDARD 4.1)

LUNG CANCER
Each year, more people die from lung cancer than from colon, breast and prostate cancers combined. To reduce the risk of lung cancer in men and women, OhioHealth Dublin Methodist Hospital offers a six-week tobacco cessation program to the community, as well as OhioHealth associates and spouses. The free six-week course is a comprehensive behavioral program taught by certified tobacco treatment specialists who help participants assess their smoking behavior, identify reasons for quitting and develop an individualized plan to stop tobacco use. The course also offers a variety of evidence-based techniques, as well as moral support, behavioral modification, and counseling on medication and nicotine replacement therapy options to help participants gain the confidence they need to quit.

2016 OUTCOMES
+ 18 people enrolled in the tobacco cessation course; of those enrolled, 14 completed the course and 9 successfully quit tobacco.

SCREENING (STANDARD 4.2)

SKIN CANCER
The community of Dublin is home to a large number of golf courses, increasing the incidence of sun exposure. Also, Ohio has a higher number of tanning beds than any other state. Both result in a high percentage of people in Dublin diagnosed with late-stage skin cancer. To help in early identification and treatment, Dublin Methodist Hospital offers free skin screenings to the public.

COLON CANCER
Colonoscopy is a primary means of screening for colon cancer, the second leading cause of death in the United States. Colonoscopy can reduce deaths from cancer through detection of tumors at an earlier stage when they are more treatable and through the removal of pre-cancerous adenomas. As a measure of quality, Dublin Methodist Hospital evaluated adenoma detection rates in screening colonoscopies. The adenoma detection rate, a quality measure recently proposed by the Center for Medicare and Medicaid Services (CMS), is the proportion of screening colonoscopies performed by a physician that detect at least one histologically confirmed colorectal adenoma or adenocarcinoma. The American Society for Gastrointestinal Endoscopy has established adenoma detection rates of 25 percent (30 percent in men and 20 percent in women) as indicators of adequate colonoscopy quality.

2016 OUTCOMES
+ 44 patients were screened for skin cancer; of those, 2 patients were diagnosed with squamous cell carcinoma.
+ Physicians at Dublin Methodist exceeded the national adenoma detection rate for colon polyps, reporting 41 percent (103 patients) in first quarter 2016; 41 percent (90 patients) in second quarter 2016; and 37 percent (98 patients) in third quarter 2016.
KEY HIGHLIGHTS
FOR 2016

+ Achieved initial American College of Surgeons Commission on Cancer Accreditation.
+ Named a Top 100 hospital nationally for Prostate Surgery by Healthgrades.
+ Designated as one of five Robotic Urologic Surgery Epicenter Training programs in the United States by Intuitive Surgical.
+ Hosted our third annual Robotic Urologic Globalcast Summit, which was attended by more than 800 clinical professionals from 39 different countries.
OhioHealth Grady Memorial Hospital

**PREVENTION** (STANDARD 4.1)

**LUNG CANCER**
Use of tobacco products is a major contributor to chronic disease, including most cancers. To help fight this problem, OhioHealth Grady Memorial Hospital offers a six-week tobacco cessation course to the general public, as well as OhioHealth associates and their spouses. The free six-week course is a comprehensive behavioral program taught by certified tobacco treatment specialists who help participants assess their smoking behavior, identify reasons for quitting and develop an individualized plan to stop tobacco use. The course also offers a variety of evidence-based techniques, as well as moral support, behavioral modification, and counseling on medication and nicotine replacement therapy options to help participants gain the confidence they need to quit.

**2016 OUTCOMES**
- 36 people enrolled in the tobacco cessation course; of those, 29 completed the course and 23 successfully quit tobacco.

**SCREENING** (STANDARD 4.2)

**COLON CANCER**
Colonoscopy is a primary means of screening for colon cancer, the second leading cause of death in the United States. Colonoscopy can reduce deaths from cancer through detection of tumors at an earlier stage when they are more treatable and through the removal of pre-cancerous adenomas. As a measure of quality, Grady Memorial Hospital evaluated adenoma detection rates in screening colonoscopies. The adenoma detection rate, a quality measure recently proposed by the Center for Medicare and Medicaid Services (CMS), is the proportion of screening colonoscopies performed by a physician that detect at least one histologically confirmed colorectal adenoma or adenocarcinoma.

The American Society for Gastrointestinal Endoscopy has established adenoma detection rates of 25 percent (30 percent in men and 20 percent in women) as indicators of adequate colonoscopy quality.

**2016 OUTCOMES**
- Physicians at Grady Memorial exceeded the adenoma detection rate, which was 41 percent (146 patients) in the first quarter; 42 percent (148 patients) in second quarter and 28 percent (207 patients) in the third quarter of 2016.
OhioHealth Grady Memorial Hospital

KEY HIGHLIGHTS
FOR 2016
+ Hired two medical oncologists to provide care to the Delaware community.
+ Broke ground for a new multi-million dollar Radiation Oncology treatment center.
+ Completed state-of-the-art renovation of all operating rooms.
OhioHealth Grant Medical Center

**PREVENTION** (STANDARD 4.1)

According to the 2016 Community Health Needs Assessment, breast cancer, lung cancer, colon cancer and prostate cancer are highest in Franklin County, with an increase in skin cancer and HPV-associated cancers. The data further shows that many cancers can be prevented with changes in lifestyle or habits. OhioHealth Grant Medical Center uses a number of strategies to lower cancer risk in our communities through awareness and education. These include our Ambassador Program, which educates students about sexually transmitted diseases; tobacco cessation courses and counseling; and skin screenings.

**2016 OUTCOMES**

+ 500+ students received education about sexually transmitted infections and the human papillomavirus at three area high schools.
+ 579 HPV vaccines were administered by Grant Medical Center physicians.
+ 26 people enrolled in our tobacco cessation course; of those enrolled, 22 completed the six-week program.
+ 155 people received one-on-one tobacco cessation counseling.

**SCREENING** (STANDARD 4.2)

In the United States, men and women have a one-in-three risk of developing invasive cancer. In Franklin County, which is served by Grant Medical Center, cancer is the second leading cause of death. In Ohio, breast cancer accounts for 28 percent of all cancer diagnoses in women. Cancers that are preventable or can be detected earlier through screening account for approximately half of all new cancer cases in Ohio.

At Grant, the highest volumes are for lung and breast cancers, and the hospital is seeing a rise in colorectal cancer in Franklin County. Grant provides screening for all three of these cancers, with more than 9,300 people screened to date for breast, lung, colorectal or prostate cancer. Grant even offers a Convenient Care Mammogram Shuttle servicing 30 downtown Columbus employers. The shuttle brings women to Grant for their screening mammogram during their lunch break — women who might not otherwise be screened.

**2016 OUTCOMES**

+ Performed 7,069 screening mammograms; 542 patients who were screened came by shuttle. Of those, 268 were diagnosed with breast cancer; 29 shuttle patients had abnormal imaging and required further work-up.
+ 233 people were screened for lung cancer; of those, 23 received an abnormal screening and required follow-up; five were diagnosed with lung cancer.
+ 1,950 people received outpatient colonoscopies; of those, 40 were diagnosed with colon cancer.
+ 68 patients were screened by a dermatology specialist and educated about skin cancer, self-exams and sun safety; of those, 43 required biopsy or follow-up appointments; four patients were diagnosed with basal cell carcinoma.
+ 85 men received prostate PSA screenings by Grant physicians.
KEY HIGHLIGHTS FOR 2016

+ The Grant Breast Health Center was designated a Breast Imaging Center of Excellence by the American College of Radiology.

+ The Convenient Care Mammography Shuttle was recognized as a best practice by the American College of Surgeons’ National Accreditation Program Breast Centers in October 2015.

+ A poster created by Grant breast surgery fellow Laura Hafertepen, DO, placed second at the Columbus Surgical Society meeting and first at the OhioHealth Research Symposium. Titled “Utilization of Genetics for Eligible Breast Cancer Patients,” the poster was also presented at the Akron Breast Society, the American Cancer Society’s Ohio Chapter and the American Society of Breast Surgeons, which also accepted the manuscript for publication in its journal.

+ An article written by lung patient navigator Maureen Rosario, BSN, RN, OCN, et al, titled “Lung Screening Programs and the Effectiveness of the Lung Screening Navigator” was published in the Journal of Radiology Nursing.

+ Roger Johnson, Radiation Oncology, received the 2016 OhioHealth Hero of Hope Award for the compassionate and personalized care he provides to patients.
PREVENTION AND SCREENING (STANDARDS 4.1 AND 4.2)

SKIN CANCER

- According to the Skin Cancer Foundation, more than 5.4 million cases of non-melanoma skin cancers are treated in 3.3 million people in the United States each year and an estimated 76,380 new cases of invasive melanoma will be diagnosed in 2016. In Richland County, 26 of every 100,000 new skin cancer cases diagnosed from 2008 to 2012 were melanoma. To raise awareness about the importance of early detection, OhioHealth Mansfield Hospital held a free skin cancer screening event in September 2016.

2016 OUTCOMES

- 49 patients were screened; of those, eight patients were referred for follow-up.
- Of those referred for follow-up, four biopsies were recommended; all eight patients had return calls and appointments with a dermatologist.

LUNG CANCER

From 2008 to 2012, lung and bronchus cancers were the leading cause of cancer incidence and mortality in Richland County, accounting for 16 percent of cancer cases and 29.7 percent of cancer deaths. Smoking prevalence was 23.4 percent in women in 2012 and 28.1 percent in men. To help lower these statistics, the OhioHealth Lung Cancer Screening Program was expanded to OhioHealth Mansfield Hospital in May 2016.

2016 OUTCOMES

- 164 referrals were made to the program as of October 31, 2016.
- 116 patients were screened for lung cancer; of those, one was referred for a lung biopsy and 48 for a follow-up diagnostic scan.
- Two certified tobacco-trained treatment specialists are conducting tobacco cessation classes at Mansfield Hospital and in the community.

BREAST CANCER

OhioHealth Mansfield Hospital made significant improvements in workflows to meet OhioHealth benchmarks and national benchmarks for days to detection of breast cancer. The hospital also increased its focus on raising awareness.

2016 OUTCOMES

- Achieved six days to detection as of third quarter 2016, exceeding OhioHealth and national benchmarks.
  - Patient navigator Pam Frederick, MSN, RN, received the OhioHealth PRISM Award for Integrity for effective collaboration to reduce the number of days to detection.
- Implemented tactics and participated in several prevention and screening events to drive awareness, including:
  - Developing and distributing a marketing piece to women in the community age 40 and older who have not yet had a baseline screening mammogram or who are overdue for their yearly mammograms.
  - Participating in a local minority event, offering education and providing financial assistance to underserved and underinsured minority women. Vouchers for no-cost mammograms were provided through the Mansfield Cancer Foundation to those in need.
  - Enabling associates to get their mammograms during normal working hours.
  - Participating in “Making Strides Against Breast Cancer,” supported by the American Cancer Society.
OhioHealth Mansfield Hospital

KEY HIGHLIGHTS
FOR 2016

+ OhioHealth Mansfield Hospital and six affiliated cancer physicians achieved MD Anderson Cancer Network certification.
+ Established a nurse practitioner-run Survivorship Clinic.
+ Introduced a genetic counselor, who is available at bi-monthly clinics and attends weekly tumor board conferences.
+ Hired a full-time research coordinator to support participation in clinical research trials for patients who qualify.
+ Participated in “United in the Fight Against Cancer,” an OhioHealth cancer conference for clinicians and the community.
**OhioHealth Marion General Hospital**

## PREVENTION (STANDARD 4.1)

### LUNG CANCER

Smoking is an ongoing health issue and by far the most important risk factor for lung cancer. In Marion County and surrounding counties, 26 percent of adults age 18 or older are smokers. Tobacco cessation is shown to reduce the risk for lung cancer and pulmonary disease, improve prognosis and response to treatment in cancer patients, minimize treatment-related side effects and improve recovery from surgery.

OhioHealth Marion General Hospital offers free tobacco cessation courses for the community, as well as our associates and their families. The free six-week course is a comprehensive behavioral program taught by certified tobacco treatment specialists who help participants assess their smoking behavior, identify reasons for quitting and develop an individualized plan to stop tobacco use. The course also offers a variety of evidence-based techniques, as well as moral support, behavioral modification, and counseling on medication and nicotine replacement therapy options to help participants gain the confidence they need to quit.

In addition to OhioHealth's tobacco cessation program, Marion General Hospital offers an inpatient cessation program. Patients receive a kit with smoking cessation information, a stress ball and chewing gum. Those who indicate they want to quit and score a seven or higher on the “readiness to quit ladder,” receive a 30-day supply of nicotine replacement therapy.

### 2016 OUTCOMES

- 34 individuals enrolled in the outpatient program; of those, 20 participated in some classes.
- 631 patients received inpatient smoking cessation counseling; of those, 130 indicated they were interested in quitting within 30 days; 6 percent (37 patients) quit within 30 days of discharge.

## SCREENING (STANDARD 4.2)

### LUNG CANCER

Lung cancer is one of the top diagnosed cancers in Marion and surrounding counties. To increase survival and diagnose earlier stage lung cancers, Marion General Hospital introduced the OhioHealth Lung Cancer Screening Program in January 2015. Utilizing low-dose chest CT scan, the program provides a multidisciplinary approach for patients who are at a higher risk for developing lung cancer. Patients receive education on lung cancer screening and tobacco cessation. Key to our program are dedicated radiologists who interpret screening results, plus patient navigators who ensure seamless care for patients by facilitating patient education and follow-up appointments.

### 2016 OUTCOMES

(JANUARY — OCTOBER 2016)

- 65 new patients were screened; of those, three lung cancer cases were diagnosed — one was Stage IIIB, one was Stage IIIA and one was Stage IIB.
- Four patients are being followed for additional studies.

### SKIN CANCER

The American Cancer Society places Marion County in the high-risk category for average annual age-adjusted incidence rates of melanoma. Data show 22.4 to 43.7 per 100,000 diagnosed between 2006 and 2010, up from 18.9 to 26.4 per 100,000 gathered by the Environmental Protection Agency between 2005 and 2009. In addition, we know from our work with local fire departments that firefighters are 1.31 times more likely to develop melanoma because of their exposure to toxins. To address these concerns, Marion General Hospital held five skin screenings in 2016, three specifically for firefighters at local fire departments and fire stations.

### 2016 OUTCOMES

- 130 individuals were screened; of those, 84 were found to have presumptive basal cell, three with squamous cell carcinoma and one melanoma.
- 49 firefighters were screened; of those, three were found to have presumptive basal cell carcinoma.
KEY HIGHLIGHTS
FOR 2016

+ OhioHealth Marion General and five affiliated physicians received MD Anderson Cancer Network certification.

+ Performed the first endobronchial ultrasound (EBUS) on November 3, 2016, minimizing the need for patients to travel outside the county for this specialized procedure. Prior to October 2016, more than 30 patients had to leave the county for EBUS.

+ Participated in a breast pretreatment conference in collaboration with OhioHealth Doctor’s Hospital.

+ Jeanne Ashworth, MD, and Jennifer Knotts, MS, LSW, presented at the OhioHealth “United We Fight Cancer Conference” in June.

+ An article written by lung patient navigator Michelle McKinney-Harris, BSN, RN, OCN, et al, titled, “Lung Screening Programs and the Effectiveness of the Lung Screening Navigator” was published in the Journal of Radiology Nursing.
OhioHealth O’Blenessness Hospital

**SCREENING (STANDARD 4.2)**

**SKIN CANCER**
The incidence of skin cancer in 2015 was 21.6 per 100,000 in the United States and 19.7 per 100,000 in Ohio, according to the Ohio Department of Health. Counties served by OhioHealth O’Bleness Hospital were even higher, with Athens County at 22.9, Meigs County at 13.7, Morgan County at 23.3 and Vinton County at 9.7 per 100,000.

To improve these statistics, OhioHealth O’Bleness Hospital offered a free skin screening clinic to the community in May 2016. Fifteen physicians, residents, nurses and nursing students staffed the event, offering screening and providing education about the importance of self-exams and sun safety. The clinic was a “SPOTme” American Academy of Dermatology screening, with data reported to the American Academy of Dermatologists.

**2016 OUTCOMES**
+ 69 skin screenings were performed; of those, 35 had follow-up appointments; 23 were recommended for biopsy or liquid nitrogen treatment; one was diagnosed with melanoma.
+ 65 patients completed the survey and all marked “strongly agree” to the question, “Overall, I was satisfied with today’s screening.”

**PREVENTION AND SCREENING (STANDARDS 4.1 AND 4.2)**

**LUNG CANCER**
The incidence of lung cancer is 58.7 per 100,000 in the United States and 71.7 per 100,000 in Ohio, according to the Ohio Department of Health 2015 statistics. Counties served by OhioHealth O’Bleness Hospital were higher, with Athens County at 83.6 per 100,000, Meigs County at 68.4, Morgan County at 81.8 and Vinton County at 114.2 per 100,000. Tobacco is the leading cause of lung cancer — 23.3 percent of adults in Ohio are current smokers, which is significantly higher than the U.S. rate of 19.6 percent.

To help prevent lung cancer and diagnose it in its earlier stages among this high-risk population, the OhioHealth Lung Cancer Screening Program expanded to OhioHealth O’Bleness Hospital in August 2015. The OhioHealth Lung Cancer Screening Program provides a multidisciplinary approach for patients who are at a higher risk for developing lung cancer. Patients receive education on lung cancer screening and tobacco cessation. Key to our program are dedicated radiologists who interpret screening results, plus patient navigators who ensure seamless care for patients by facilitating patient education and follow-up appointments.

The free six-week tobacco cessation course is a comprehensive behavioral program taught by certified tobacco treatment specialists who help participants assess their smoking behavior, identify reasons for quitting and develop an individualized plan to stop tobacco use. The course also offers a variety of evidence-based techniques, as well as moral support, behavioral modification, and counseling on medication and nicotine replacement therapy options to help participants gain the confidence they need to quit.

**2016 OUTCOMES**
**2015**
+ 34 individuals were screened; of those, two were diagnosed with lung cancer.

**2016**
+ 121 individuals were screened; of those, two lung cancers and two incidental cancers were diagnosed.
+ Rounded at 11 local physician offices to raise awareness about tobacco cessation courses available through the OhioHealth Lung Cancer Screening Program.
OhioHealth O’Bleness Hospital

KEY HIGHLIGHTS

IN 2016

+ Began construction of new radiation oncology services and expansion of medical oncology services in the Castrop Center, located on the campus of O’Bleness Hospital, to enable local access to comprehensive cancer care in the community.

+ Hosted a CME event in August 2016 about the OhioHealth Breast Health and Cancer Genetics Program; 54 physicians and other healthcare professionals attended the event, which featured certified breast and melanoma surgeon Mark Cripe, DO, FACOS and Nichole Morman, lead genetics counselor.
PREVENTION (STANDARD 4.1)

LUNG CANCER
Many chronic diseases and health issues, including cancer, can be linked to tobacco use. To help reduce the incidence of these diseases, OhioHealth Riverside Methodist Hospital offers tobacco cessation courses. The free six-week course is a comprehensive behavioral program taught by certified tobacco treatment specialists who help participants assess their smoking behavior, identify reasons for quitting and develop an individualized plan to stop tobacco use. The course also offers a variety of evidence-based techniques, as well as moral support, behavioral modification, and counseling on medication and nicotine replacement therapy options to help participants gain the confidence they need to quit.

CERVICAL CANCER PREVENTION
Cervical cancer is among the top five cancers diagnosed in Franklin County. Persistent human papillomavirus (HPV) infection is the most important factor in the development of cervical cancer and is related to the prevalence of HPV in the population. HPV vaccines are offered at Riverside Methodist Hospital.

WOLFE CANCER WELLNESS PROGRAM
Offered at OhioHealth McConnell Heart Health Center, the Wolfe Cancer Wellness Program is eight weeks of supervised exercise in a group session two days a week, each session lasting approximately one hour. These sessions include cardiovascular and strengthening exercises, as well as stretching for a total-body workout shown to reduce fatigue and symptoms of depression.

2016 OUTCOMES
+ 54 people enrolled in tobacco cessation courses; of those, 50 percent (27 patients) quit by the end of the program.
+ 209 HPV vaccines were administered by Riverside Methodist physicians from January to September 2016.
+ 49 people participated in the Wolfe Cancer Wellness Program.

SCREENING (STANDARD 4.2)

LUNG CANCER
Each year, more people die from lung cancer than from colon, breast and prostate cancers combined. The OhioHealth Lung Cancer Screening Program provides a comprehensive, multidisciplinary approach to screening that uses a low-dose chest CT scan to identify lung cancer at its earliest stages. This proactive program screens former and current smokers who have no symptoms to assess their risks of lung cancer.

2016 OUTCOMES
+ 192 patients have been screened for lung cancer from January through October 2016; of those, four were found to have lung cancer — two were Stage IV and two were Stage I.

BREAST CANCER
Breast screenings are essential for early detection, which is key to more successful and positive outcomes. The OhioHealth Breast Cancer Program has demonstrated success in the timeliness of diagnosis. From the time of initial screening mammography to final pathology, OhioHealth has established a benchmark of within eight days, outperforming the national average of 18 days. To help ensure patients in underserved areas also benefit from early detection, the OhioHealth Mobile Mammography unit targets women in these areas of our community who would otherwise forego screening.

2016 OUTCOMES
+ 6,833 screening mammograms were performed at Riverside Methodist; of those, 598 received additional testing and 110 received biopsies. Fifty-two patients were diagnosed with breast cancer.
+ 1,723 patients were screened for breast cancer through the OhioHealth Mobile Mammography unit; of those, 196 required additional testing and 21 received biopsies. Six patients were diagnosed with breast cancer.

PROSTATE AND COLON CANCER
In Franklin County, cancer is the leading cause of death, with the top five cancer mortality rates reported as breast, lung, prostate, colorectal and endometrial. In addition to its comprehensive prevention, screening and care programs for lung and breast cancers, Riverside Methodist Hospital screens patients for prostate and colorectal cancers.

2016 OUTCOMES
+ 13,162 men received prostate screenings; of those, 275 were diagnosed with prostate cancer.
+ 1,976 people were screened for colorectal cancer; of those, 181 were diagnosed with colorectal cancer.
KEY HIGHLIGHTS
IN 2016

- Welcomed Matthew D. Everett, DO, to the Integrative Care team and Ramy H. Fouad, MD, to OhioHealth Cancer and Surgical Specialists.

- Achieved 18 percent cancer research accruals for the year, surpassing the goal of 6 percent for American College of Surgeons Commission on Cancer accreditation.

- Provided nearly $140,000 in patient assistance, including supplies, food assistance, services and wellness programs through donations to the OhioHealth Foundation.

- “Tough Enough to Wear Pink” and “Kitchen Kapers” hosted fundraising events in conjunction with the OhioHealth Foundation to support patient needs and cancer care programs.

- Welcomed the Shenzhen Pink Ribbon delegation, a group of breast cancer survivors and their families from Shenzhen, China, who visited the OhioHealth Arthur G.H. Bing, MD, Cancer Center through the Columbus International Program.
About OhioHealth

WE are a faith-based, not-for-profit, family of leading healthcare providers, which shares an unwavering commitment to deliver quality, convenient and timely healthcare to all members of the community, regardless of their ability to pay. Our hospitals regularly receive national recognition for excellence in clinical quality, patient safety and technological innovation.