



ST. VINCENT'S BIRMINGHAM
BRUNO CANCER CENTER
CANCER PROGRAM

Inspired by *You*

2018 ANNUAL REPORT & 2017 STATISTICAL REVIEW

CALL TO ACTION

Healthcare That Works
Healthcare That Is Safe
Healthcare That Leaves
No One Behind For Life

CORE VALUES

Service of the Poor
Reverence
Integrity
Wisdom
Creativity
Dedication





CHAIRMAN'S LETTER

AS CHAIRMAN OF THE CANCER COMMITTEE, I am pleased to present the 2018 Annual Report summarizing the 2017 Cancer Program at St. Vincent's Birmingham. St. Vincent's Bruno Cancer Center diagnosed and managed 1,898 total cancers in 2017 with primary sites consisting of breast, prostate, lung, colon and uterus.

The Radiation Oncology program performed 8,951 treatments in 2017. The radiation oncologists managed more than 2,300 follow-up patients post-treatment and 427 new patients were seen.

The Medical Oncology Center program also remained strong in clinical activities and clinical research during 2017. Medical Oncology had 16,769 total office visits with 2,291 new patients and 6,865 treatments were given during the course of the year.

Accomplishments for the year included the addition of a weekly Lung Nodule Clinic. By providing quick access to a team of specialists, we can detect, treat and monitor potential issues as early as possible. Our dedicated lung navigator works with patients and physicians to coordinate every aspect of care. In addition, the cancer program also implemented a multidisciplinary Lung Conference this year. This will provide an opportunity for the team to discuss diagnosis and treatment options to optimize patient management.

Finally, I am pleased to report that the American College of Surgeons Commission on Cancer awarded St. Vincent's Bruno Cancer Center a three-year accreditation, with commendation in several areas. This designation is only awarded to comprehensive cancer programs that meet high standards of practice through improved patient outcomes across all domains of care, including access and service, satisfaction and well-being, quality of care, and cancer outcomes.



Best regards,

Sheldon Black, MD
Chairman

CANCER COMMITTEE 2018

Sheldon Black, MD
Cancer Committee Chairman and Surgeon

Courtney Truett
Quality Improvement Coordinator

Joan Baucom, MBA, CTR
Quality of Cancer Registry Data

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Cancer Liaison Physician and Radiologist

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Community Outreach Coordinator

Louis Josof
Psychosocial Coordinator

Allyson Baker, MD
Pathologist

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Medical Oncologist

Susan P. Salter, MD
Radiation Oncologist and
Tumor Conference Coordinator

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Palliative Care Nurse Practitioner

Jamie Thacker, PT
Rehabilitation Representative

Natalie Hooks
Patient Navigator

Anna Lisa Weigel
American Cancer Society Representative

CANCER PREVENTION PROGRAMS COC STANDARD 1.8, 4.1 AND 4.2

In 2018 the cancer committee offered several cancer prevention programs designed to reduce the incidence of a specific cancer type and strategically targeted to meet the prevention needs of the community. Education, screening and prevention information was given out during the month of March which is Colorectal Awareness Month. St. Vincent's Bruno Cancer Center partnered with the local nonprofit organization called Rumpshaker whose mission is to promote awareness about colorectal cancer and raise funds to help those fighting the disease. Their tabletop colon display was used to educate the community about the need for regular colon screenings.

Also a colon cancer screening was offered to the community on March 3, 2018 held at St. Vincent's East. A total of 39 people participated in the screening. This prevention and screening activity follows American Cancer Society and American College of Obstetricians and Gynecologists guidelines. Of those screened, 69 polyps were retrieved; the results showed 31 were tubular adenoma, 5 were SSA (sessile serrated adenomas), 29 Hyperplastic, 1 was Carcinoid, 1 was tubulovillous adenoma and 2 were NML mucosa.

In addition, a cancer prevention/awareness program was offered at The American Cancer Society's Decade Dash & Conquer Cancer Run on June 23. A total of 27 participants filled out an informational survey regarding Human Papillomavirus (HPV)



awareness. Online resources were also supplied to each participant. 85% of the participants stated they had heard of HPV. 81% stated they learned something about the HPV vaccine. 66% stated their child had not received the vaccine. 44% stated their child will receive the vaccine.

Lastly, low dose CT screenings were offered ongoing throughout 2018. Screening and education information was provided on social media sites as well as promoted in primary care physician offices throughout the year. The effectiveness of the 2018 lung screening program will be discussed at the first cancer committee meeting of 2019.



ZERO PROSTATE CANCER SUMMIT

In February 2018, the ZERO Prostate Cancer Summit was held in Arlington, Virginia to engage more than 125 Members of Congress that have influence over prostate cancer funding and legislative priorities. Louis Josof, Oncology Counselor at St. Vincent's Bruno Cancer Center was asked to attend to represent the State of Alabama. While much of the work was focused on improving research outcomes, public health programs were also encouraged to help men survive and thrive past prostate cancer. Louis Josof was given the opportunity to meet survivors, patients, caregivers and other advocates as well as get the latest updates on prostate cancer developments.

ZERO started as a grassroots advocacy organization with the mission to secure federal funding for prostate cancer research. As the prostate cancer landscape has evolved, ZERO is taking action to end prostate cancer and making prostate cancer research a national priority. Through the efforts at this past summit, funding for the Prostate Cancer Research Program was increased to 100 million dollars.

ST. VINCENT'S BRUNO CANCER CENTER SUPPORT SERVICES



GENERAL CANCER SUPPORT GROUP

Cancer patients, survivors and their families are invited to attend a cancer support group meeting, which meets the first Tuesday of every month in the Bruno Conference Center from 12noon- 1:30pm.

BREAST CANCER SUPPORT GROUP

This group provides education and support for those living with breast cancer and the significant people in their lives. Participants are encouraged to attend at any point in the diagnosis and treatment journey. The group meets the second Tuesday of every month in the Bruno Conference Center from 12noon- 1:30pm.

PROSTATE CANCER SUPPORT GROUP

If you're a man living with prostate cancer, it's important to know that you're not alone in your fight. Participants learn and share information about prostate cancer, side effects, treatment, and coping strategies. The group meets the second Tuesday of every month in the Cancer Center from 12noon- 1:30pm.

SUPPORT FOR PEOPLE WITH ORAL AND HEAD & NECK CANCER SUPPORT GROUP (SPOHNC)

St. Vincent's Birmingham is proud to be the first in the state to have this type of program to support

ST. VINCENT'S BRUNO CANCER CENTER offers extensive complementary support programs to educate and support patients and their families who are facing one of life's most difficult challenges.

Designed to improve outcomes and survivorship, these programs and services address a range of medical, social, and emotional needs. Some of the resources available to patients and their families include ongoing cancer support groups, access to our patient navigator, nutritional counseling, art therapy, and a camp for cancer survivors.

people with oral and head and neck cancer. Topics for the meeting include nutrition support, staying active, dental and oral hygiene, speech pathology, managing fatigue and other side effects of treatment, etc. that are very specific to oral, head and neck cancer patients. The group meets the third Tuesday of every month in the Bruno Conference Center from 12noon- 1:30pm.

LEUKEMIA AND LYMPHOMA SUPPORT GROUP

St. Vincent's Birmingham partners with The Leukemia and Lymphoma Society to provide support for people with leukemia, lymphoma, myeloma, and other blood cancers. The group meets the first Wednesday of every month in the Bruno Cancer Center from 12noon-1:30pm.

CAREGIVER SUPPORT GROUP

The challenges of caring for a loved one with cancer can often result in the caregiver ignoring their own physical and emotional health. This group allows caregivers to share their experiences, exchange information, discuss how to manage fatigue and stress, and find available resources specific for those diagnosed with cancer. The group meets the second Wednesday of every month in the Cancer Center from 12noon- 1:30pm.

ST. VINCENT'S BRUNO CANCER CENTER SUPPORT SERVICES



ART THERAPY

Art therapy is intended to integrate physical, emotional, and spiritual care by facilitating creative ways for patients to respond to their cancer experience. In our program, you have the chance to express yourself, treat yourself to a relaxing and restorative activity, and even connect with others going through cancer treatment and recovery. No prior art experience is required. The class meets on the first and third Thursday of every month from 9:30am-1:30pm in the Bruno Cancer Center.

BEREAVEMENT SUPPORT GROUP

It is not easy to understand or accept the loss of a loved one. Many emotions surface which take time to sort out, to understand, and finally to resolve. By sharing with others, you will learn that you are experiencing natural and normal grief responses. This bereavement support group provides insights about the grief process and what you might expect to happen during your period of adjustment. The group meets the first Monday of every month at 10:00am in the Bruno Cancer Center. For more information or to register for a session, call 205.939.7897.

ANIMAL-ASSISTED THERAPY—HAND IN PAW

Hand in Paw began visiting St. Vincent's Bruno Cancer Center to help patients reduce the stress of procedures such as radiation therapy and chemotherapy. This animal-assisted therapy provides patients and family members with a distraction from suffering, helps combat loneliness, and provides professional staff a more relaxed patient and family with which to work.

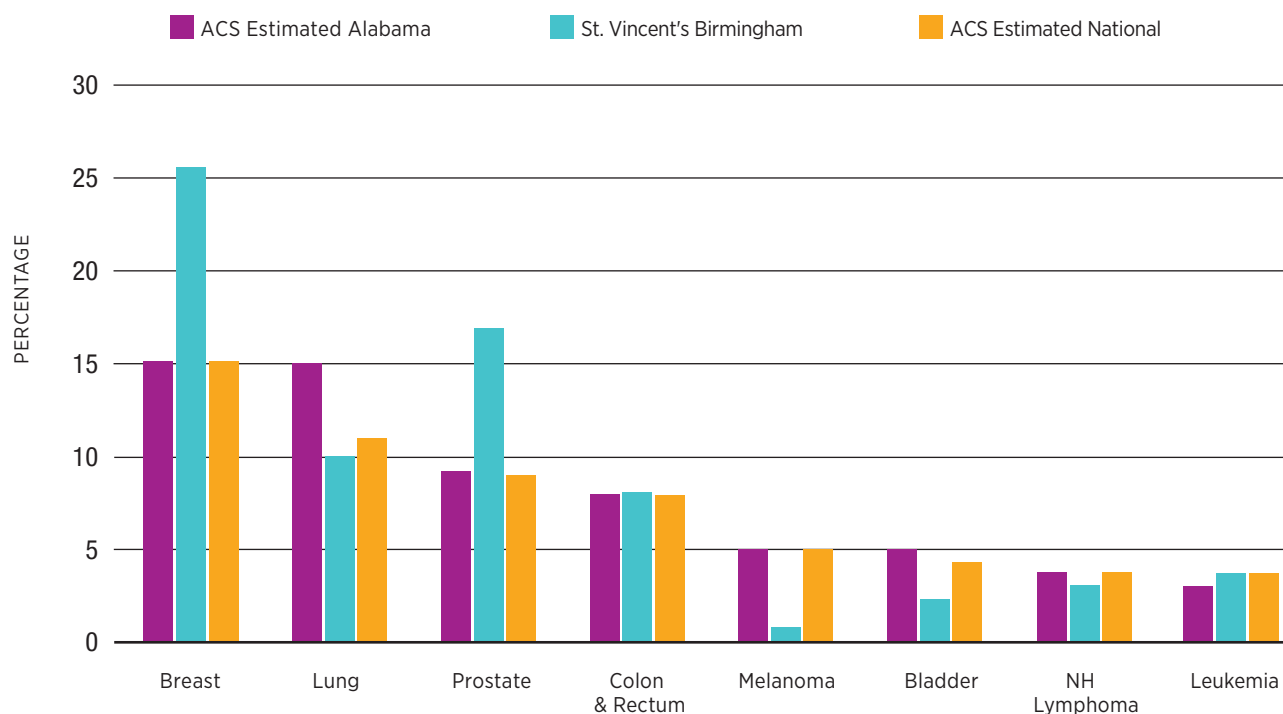


CAMP BLUEBIRD

Camp Bluebird offers recreation, relaxation, crafts, activities, and the opportunity to openly discuss the experiences and emotions associated with cancer with other survivors. Camp Bluebird is open to adults, ages 18 or older, who have been diagnosed or treated for cancer. Surrounded by woods, mountains, lakes and streams, away from the problems and interruptions of everyday life, survivors can rest their burdens, gaining inspiration from the beautiful peace of the natural setting.

TOP SITE COMPARISONS

American Cancer Society (ACS) Top Site Comparison 2017



St. Vincent's Birmingham — Top 10 Cancer Sites by Sex

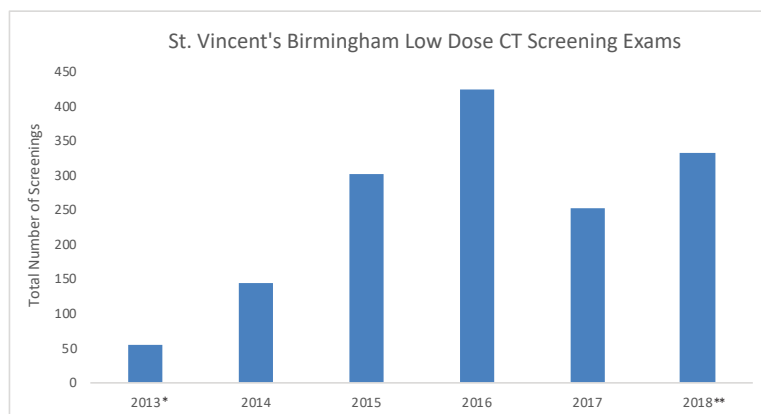
MALE			FEMALE		
1. Prostate	343		1. Breast	489	
2. Lung	85		2. Lung	97	
3. Bladder	51		3. Corpus Uterus	81	
4. Colon	45		4. Colon	57	
5. Kidney	44		5. Ovary	37	
6. Non Hodgkin Lymphoma	31		6. Thyroid	31	
7. Rectum & Rectosigmoid	30		7. Vulva	30	
8. Brain	18		8. Brain	30	
9. Pancreas	14		9. Non Hodgkin's Lymphoma	26	
10. Larynx	14		10. Rectum and Rectosigmoid	23	

Standard 4.2 states each calendar year, the cancer committee organizes and offers at least one cancer screening program that is designed to decrease the number of patients with late-stage disease and is targeted to meet the screening needs of the community. The Lung Screening Program is consistent with evidence-based national guidelines and interventions and a formal process has been developed to follow up on all positive findings.

PROGRAM ACCOMPLISHMENTS

- St. Vincent's Birmingham is a Lung Screening Center of Excellence since 2016.
- St. Vincent's Birmingham and Birmingham Pulmonary Group implemented a Lung Nodule Clinic. The Lung Navigator routes and abnormal findings from screenings and incidental findings to be followed up in the clinic each week.
- A weekly lung conference has also been established to review lung cases and route appropriately for further follow up care.

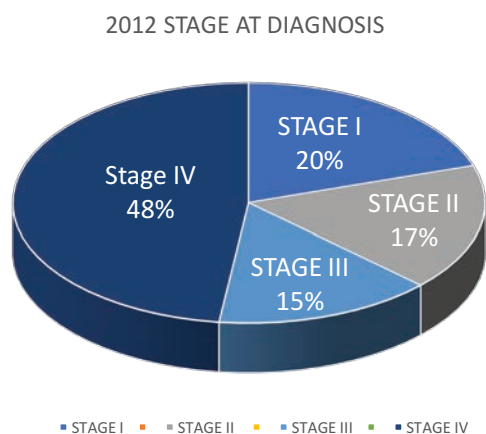
**CALL 1-844-366-LUNG (5864)
TO SCHEDULE YOUR LUNG CANCER
SCREENING AT ONE OF OUR
CONVENIENT LOCATIONS.**



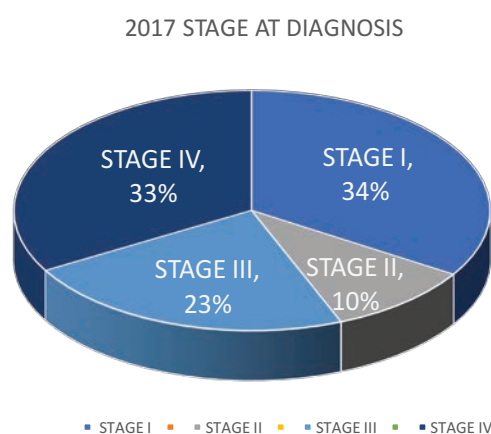
*Program began in June 2013.
**2018 does not include full year.

EFFECTIVENESS OF SCREENING PROGRAM

Lung cancer diagnosed prior to the launch of the Lung Cancer Screening Program by AJCC* stage

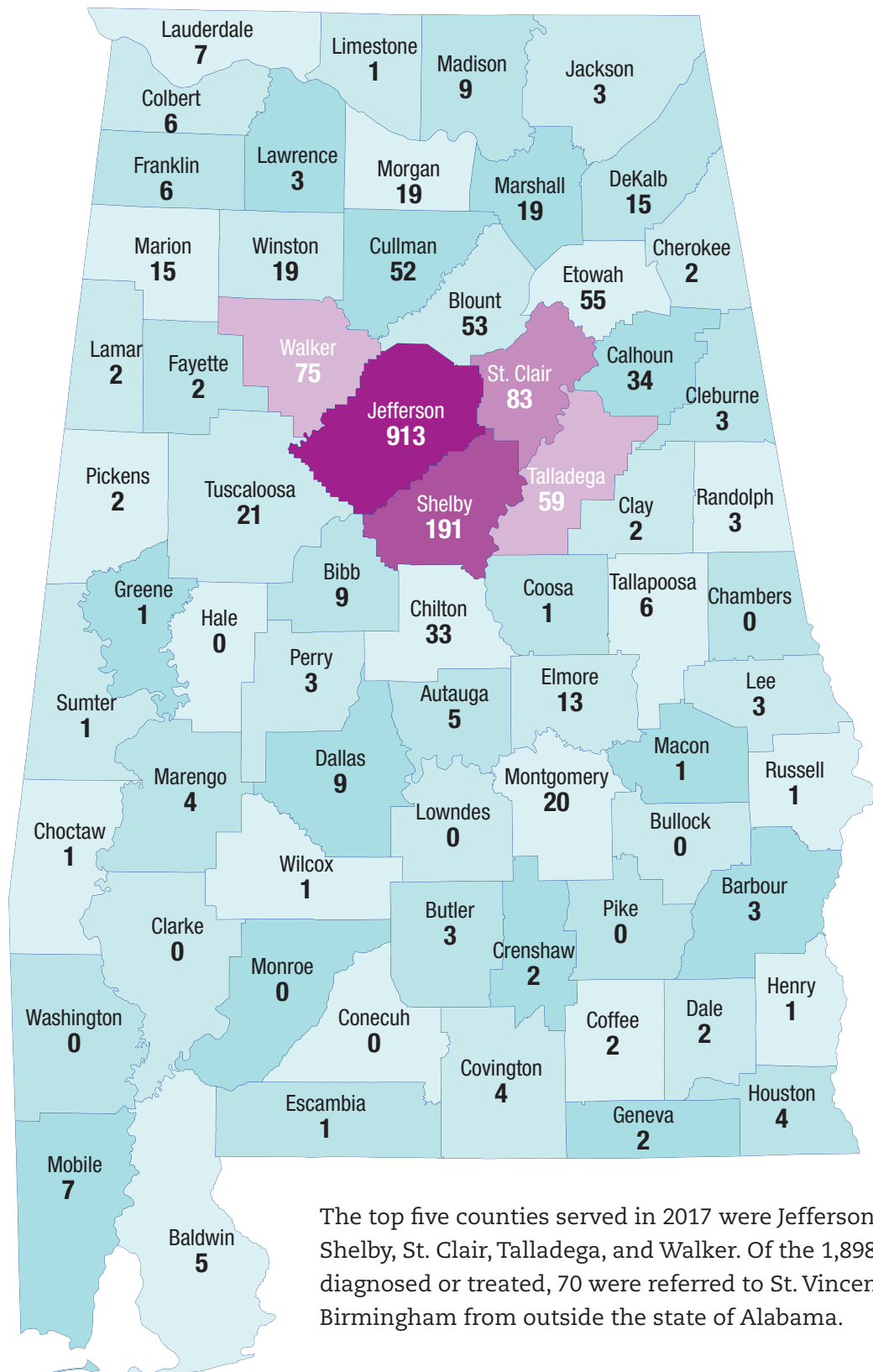


Lung cancer diagnosed through the Lung Cancer Screening Program by AJCC* stage



*AJCC: American Joint Committee on Cancer

COUNTY AT DIAGNOSIS



The top five counties served in 2017 were Jefferson, Shelby, St. Clair, Talladega, and Walker. Of the 1,898 cases diagnosed or treated, 70 were referred to St. Vincent's Birmingham from outside the state of Alabama.

PRIMARY SITE TABULATION

PRIMARY SITE	TOTAL	SEX		CLASS OF CASE		STATUS		STAGE DISTRIBUTION - ANALYTIC CASES ONLY					
		M	F	ANALY	NA	ALIVE	EXP	Stg 0	Stg I	Stg II	Stg III	Stg IV	UNK
ORAL CAVITY & PHARYNX	47 (2.5%)	34	13	47	0	43	4	0	9	4	11	19	3
Lip	2 (0.1%)	2	0	2	0	2	0	0	1	1	0	0	0
Tongue	13 (0.7%)	9	4	13	0	12	1	0	2	1	4	5	1
Salivary Glands	12 (0.6%)	8	4	12	0	11	1	0	2	2	3	4	0
Floor of Mouth	1 (0.1%)	1	0	1	0	1	0	0	0	0	0	1	0
Gum & Other Mouth	5 (0.3%)	3	2	5	0	3	2	0	2	0	1	1	1
Tonsil	9 (0.5%)	7	2	9	0	9	0	0	1	0	2	5	1
Oropharynx	4 (0.2%)	3	1	4	0	4	0	0	1	0	1	2	0
Hypopharynx	1 (0.1%)	1	0	1	0	1	0	0	0	0	0	1	0
DIGESTIVE SYSTEM	248 (13.1%)	119	129	232	16	202	46	5	61	35	58	46	17
Esophagus	6 (0.3%)	5	1	4	2	4	2	0	2	1	1	0	0
Stomach	29 (1.5%)	13	16	26	3	22	7	0	11	1	3	6	4
Small Intestine	10 (0.5%)	6	4	10	0	9	1	0	0	2	3	0	1
Colon Excluding Rectum	102 (5.4%)	45	57	96	6	88	14	3	25	13	31	16	7
Rectum & Rectosigmoid	53 (2.8%)	30	23	50	3	49	4	1	18	10	12	6	2
Anus, Anal Canal & Anorectum	9 (0.5%)	0	9	9	0	9	0	1	1	3	4	0	0
Liver & Intrahepatic Bile Duct	6 (0.3%)	4	2	6	0	4	2	0	0	0	0	4	0
Gallbladder	2 (0.1%)	0	2	2	0	1	1	0	0	0	1	1	0
Other Biliary	3 (0.2%)	2	1	3	0	1	2	0	1	0	0	0	1
Pancreas	28 (1.5%)	14	14	26	2	15	13	0	3	5	3	13	2
RESPIRATORY SYSTEM	201 (10.6%)	101	100	189	12	126	75	3	62	16	38	59	7
Nose, Nasal Cavity & Middle Ear	1 (0.1%)	1	0	1	0	1	0	0	0	1	0	0	0
Larynx	17 (0.9%)	14	3	17	0	15	2	3	8	1	0	4	1
Lung & Bronchus	182 (9.6%)	85	97	170	12	109	73	0	54	14	38	55	6
Trachea, Mediastinum & Other Respiratory Organs	1 (0.1%)	1	0	1	0	1	0	0	0	0	0	0	0
SOFT TISSUE	8 (0.4%)	6	2	7	1	7	1	0	4	1	1	1	0
Soft Tissue (including Heart)	8 (0.4%)	6	2	7	1	7	1	0	4	1	1	1	0
SKIN EXCLUDING BASAL & SQUAMOUS	13 (0.7%)	10	3	10	3	9	4	2	1	1	2	2	2
Melanoma -- Skin	11 (0.6%)	9	2	8	3	9	2	2	1	1	1	2	1
Other Non-Epithelial Skin	2 (0.1%)	1	1	2	0	0	2	0	0	0	1	0	1
BASAL & SQUAMOUS SKIN	1 (0.1%)	0	1	1	0	1	0	0	1	0	0	0	0
Basal/Squamous cell carcinomas of Skin	1 (0.1%)	0	1	1	0	1	0	0	1	0	0	0	0
BREAST	489 (25.8%)	0	489	474	15	482	7	85	179	162	36	7	3
Breast	489 (25.8%)	0	489	474	15	482	7	85	179	162	36	7	3
FEMALE GENITAL SYSTEM	169 (8.9%)	0	169	151	18	150	19	8	78	16	29	12	0
Cervix Uteri	19 (1.0%)	0	19	18	1	16	3	2	8	2	4	1	0
Corpus & Uterus, NOS	81 (4.3%)	0	81	75	6	75	6	0	50	6	9	6	0
Ovary	37 (1.9%)	0	37	36	1	28	9	0	9	7	14	3	0
Vagina	1 (0.1%)	0	1	1	0	0	1	0	0	1	0	0	0
Vulva	30 (1.6%)	0	30	20	10	30	0	6	11	0	1	2	0
Other Female Genital Organs	1 (0.1%)	0	1	1	0	1	0	0	0	0	1	0	0
MALE GENITAL SYSTEM	347 (18.3%)	347	0	326	21	344	3	0	14	238	54	18	1
Prostate	343 (18.1%)	343	0	322	21	340	3	0	12	238	54	18	0
Testis	3 (0.2%)	3	0	3	0	3	0	0	2	0	0	0	1
Other Male Genital Organs	1 (0.1%)	1	0	1	0	1	0	0	0	0	0	0	0
URINARY SYSTEM	132 (7.0%)	97	35	125	7	116	16	26	53	16	14	13	1
Urinary Bladder	64 (3.4%)	51	13	61	3	56	8	26	13	11	6	4	1
Kidney & Renal Pelvis	65 (3.4%)	44	21	61	4	57	8	0	40	4	8	9	0
Ureter	1 (0.1%)	0	1	1	0	1	0	0	0	1	0	0	0
Other Urinary Organs	2 (0.1%)	2	0	2	0	2	0	0	0	0	0	0	0
BRAIN & OTHER NERVOUS SYSTEM	48 (2.5%)	18	30	42	6	38	10	0	0	0	0	0	0
Brain	17 (0.9%)	6	11	15	2	10	7	0	0	0	0	0	0
Cranial Nerves Other Nervous System	31 (1.6%)	12	19	27	4	28	3	0	0	0	0	0	0
ENDOCRINE SYSTEM	53 (2.8%)	13	40	52	1	53	0	0	24	9	5	0	1
Thyroid	39 (2.1%)	8	31	39	0	39	0	0	24	9	5	0	1
Other Endocrine including Thymus	14 (0.7%)	5	9	13	1	14	0	0	0	0	0	0	0
LYMPHOMA	64 (3.4%)	34	30	53	11	53	11	0	4	4	8	14	23
Hodgkin Lymphoma	7 (0.4%)	3	4	7	0	7	0	0	0	3	1	1	2
Non-Hodgkin Lymphoma	57 (3.0%)	31	26	46	11	46	11	0	4	1	7	13	21
NHL - Nodal	45	21	24	35	10	39	6	0	1	0	7	11	16
NHL - Extranodal	12	10	2	11	1	7	5	0	3	1	0	2	5
MYELOMA	22 (1.2%)	6	16	18	4	19	3	0	0	0	0	0	0
LEUKEMIA	15 (0.8%)	10	5	14	1	10	5	0	0	0	0	0	0
Lymphocytic Leukemia	7 (0.4%)	6	1	6	1	7	0	0	0	0	0	0	0
Myeloid & Monocytic Leukemia	6 (0.3%)	3	3	6	0	1	5	0	0	0	0	0	0
Other Leukemia	2 (0.1%)	1	1	2	0	2	0	0	0	0	0	0	0
MESOTHELIOMA	2 (0.1%)	0	2	2	0	1	1	0	0	0	0	1	0
MISCELLANEOUS	39 (2.1%)	21	18	37	2	23	16	0	0	0	0	0	0
Total	1,898	816	1,082	1,780	118	1,677	221	129	490	502	256	192	58

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CANCER PROGRAM

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