

ST. VINCENT'S BIRMINGHAM
BRUNO CANCER CENTER
CANCER PROGRAM

Inspired by *You*



2017 ANNUAL REPORT & 2016 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 2017 Annual Report summarizing the 2016 Cancer Program at St. Vincent's Birmingham. St. Vincent's Bruno Cancer Center diagnosed and managed 1,814 total cancers in 2016 with primary sites consisting of breast, prostate, colon, lung and uterus.

The Radiation Oncology program performed 9,434 treatments in 2016. The radiation oncologists managed more than 2,300 follow-up patients post-treatment and 418 new patients were seen.

The Medical Oncology Center program also remained strong in clinical activities and clinical research during 2016. Medical Oncology had 17,574 total office visits with 1,435 new patients and 6,865 treatments were given during the course of the year.

We are pleased to welcome our newest member of the Bruno Cancer Center team, Dr. Ashley Fry. Dr. Fry attended the University Of Mississippi School of Medicine and completed her residency at the University of Alabama at Birmingham. She is board certified in Internal Medicine, Medical Oncology and Hematology. Dr. Fry joined Alabama Oncology at the Bruno Cancer Center in April 2017.

St. Vincent's Bruno Cancer Center continues to meet high standards of practice and is designated as a Commission on Cancer facility from the American College of Surgeons. This designation improves patient outcomes across all domains of care; access and service, satisfaction and well-being, quality of care, and cancer outcomes.



Best regards,

Sheldon Black, MD
Chairman

CANCER COMMITTEE 2017

Sheldon Black, MD
Cancer Committee Chairman and Surgeon

Courtney Truett
Quality Improvement Coordinator

Joan Baucom, MBA, CTR
Quality of Cancer Registry Data

Edina von Rottenthaler, MD
Cancer Liaison Physician and Palliative Care

Kris Boone
Community Outreach Coordinator

Louis Josof
Psychosocial Coordinator

Allyson Baker, MD
Pathologist

John Piede, MD
Medical Oncologist

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

Ellen Blackmon, MD
Radiologist

Shannon Scaturro
Vice President, Operations

Julisa Neely, RN
Oncology Nurse

Brittany White
Clinical Trials Coordinator

Jamie Thacker, PT
Rehabilitation Representative

Natalie Hooks
Patient Navigator

Anna Lisa Weigel
American Cancer Society Representative

NEW BREAKTHROUGH FOR PROSTATE CANCER TREATMENT

COC STANDARD 4.5

Prostate cancer is the second most common cancer in American men and the second-leading cause of cancer-related death in the U.S. For patients diagnosed with prostate cancer, choosing the right treatment can be challenging because each approach offers benefits, but also the potential for side effects. A new breakthrough may make this decision easier and St. Vincent's is excited to share that it's now available to patients at the Bruno Cancer Center. SpaceOAR® hydrogel is a temporary injectable gel that provides protection for men undergoing radiation therapy for prostate cancer, decreasing the likelihood of side effects.

Recently cleared by the FDA, SpaceOAR hydrogel provides a new level of protection during radiation treatments for prostate cancer. This minimally invasive procedure allows maximum radiation therapy to the tumor while avoiding or minimizing radiation to the surrounding normal tissue. In

clinical trials, applying SpaceOAR® resulted in a 71% reduction in long term complications. In addition, one year following the clinical trial, patients who received SpaceOAR® were 46% less likely to experience long-term quality of life issues.

St. Vincent's Bruno Cancer Center is the first in Alabama to offer SpaceOAR®. *"Providing the best possible treatment to patients is our top priority, which is why we are one of the first centers offering SpaceOAR hydrogel," said Dr. Susan Salter, Radiation Oncologist at St. Vincent's Bruno Cancer Center. "Creating protection during radiation treatments and minimizing radiation to normal tissue is a significant advancement in what we can offer."*



For more information regarding SpaceOAR®, call St. Vincent's Bruno Cancer Center at 205-939-7884

SHINE A LIGHT ON LUNG CANCER

St. Vincent's Bruno Cancer Center hosted a Shine A Light on Lung Cancer event on November 16, 2017 in conjunction with the Lung Cancer Alliance to raise awareness about lung screening and treatment. The event was also held on the Great American Smoke Out day to encourage participants to quit smoking or make a plan to quit smoking soon. Community members, patients, families, and St. Vincent's staff were invited to attend this free event. The event consisted of providing education, lung screening and treatment options. The participants were invited to take a post-quiz after learning about lung cancer, screening and prevention. The American Cancer Society and Veran Technologies also provided education information at the event.



ST. VINCENT'S BRUNO CANCER CENTER SUPPORT SERVICES



YOU'RE NOT A CANCER PATIENT. YOU'RE A SURVIVOR WITH DREAMS AND ASPIRATIONS.

And we want to help you achieve them. At Ascension St. Vincent's, our Bruno Cancer Center care teams know that treating your cancer is more than providing the latest treatment technology. That's why we offer a wide range of support groups for patients and their families designed to improve outcomes and meet your medical, social, spiritual and emotional needs.

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 Cancer Center from noon- 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 noon- 1:30pm.

PROSTATE CANCER SUPPORT GROUP

If you're 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 noon- 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 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 Cancer Center from noon- 1:30pm.

LEUKEMIA AND LYMPHOMA SUPPORT GROUP

St. Vincent's Birmingham provides 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 noon-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 noon- 1:30pm.

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.



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.

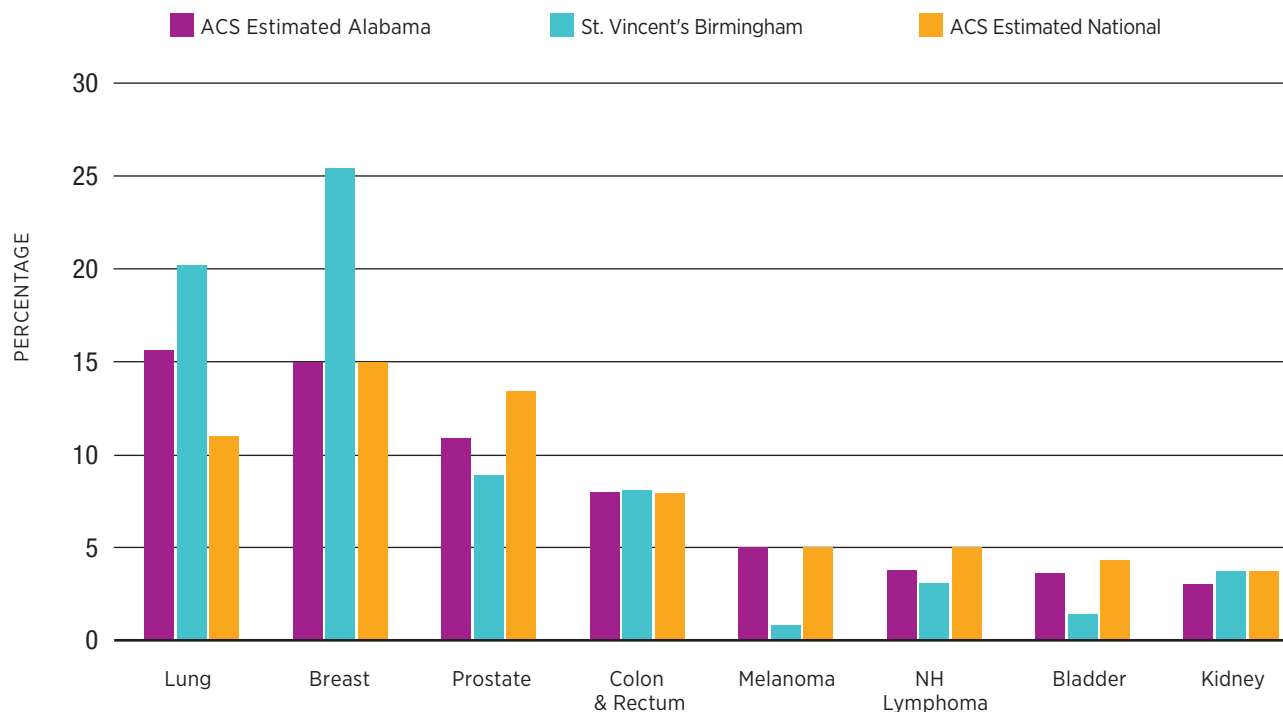
CAMP BLUEBIRD

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 2016



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

MALE		FEMALE	
1. Prostate	366	1. Breast	459
2. Lung	94	2. Lung	68
3. Kidney	46	3. Corpus Uterus	67
4. Bladder	44	4. Colon	52
5. Colon	40	5. Thyroid	41
6. Rectum & Rectosigmoid	35	6. Ovary	28
7. Pancreas	19	7. Kidney	22
8. Non-Hodgkin Lymphoma	14	8. Rectum and Rectosigmoid	19
9. Thyroid	14	9. Cranial Nerve	19
10. Brain	13	10. Stomach	13

ST. VINCENT'S BIRMINGHAM ADDS 3D MAMMOGRAPHY

DR. ASHLEY FRY JOINS ST. VINCENT'S BRUNO CANCER CENTER TEAM

ST. VINCENT'S BIRMINGHAM ADDS 3D MAMMOGRAPHY

St. Vincent's Birmingham began offering 3D mammograms in November 2017. Digital Breast Tomosynthesis (DBT) is a three-dimensional (3D) imaging technology that uses a low-dose limited angle X-ray sweep around compressed breasts to produce 3D images that reduce image quality issues associated with overlapping structures, a limitation in standard two-dimensional (2D) mammography. It's different from traditional mammography in that traditional mammography obtains just a single image.

This new 3D mammography unit offers an updated ergonomic design to reduce physical strain with dedicated functionalities for easier patient positioning during the mammogram. Anxious patients are more prone to moving and contracting muscles, creating challenges for technologists to position them appropriately. By making patients more comfortable during the breast exam, technologists can focus on more suitable positioning, enabling a faster and smoother 3D mammogram experience for both the patient and the technologist.

Women with dense breast tissue in particular may benefit from 3D mammography because it may provide a clearer picture. Using 3-D mammography may also make it easier for doctors to catch breast cancer early. At St. Vincent's Bruno Cancer Center, the benefits of 3D mammograms are discussed with women allowing them to decide if they want a 3D or traditional mammogram. Because 3D mammograms may not be covered by all insurance plans, contact your insurance provider before your mammogram appointment.



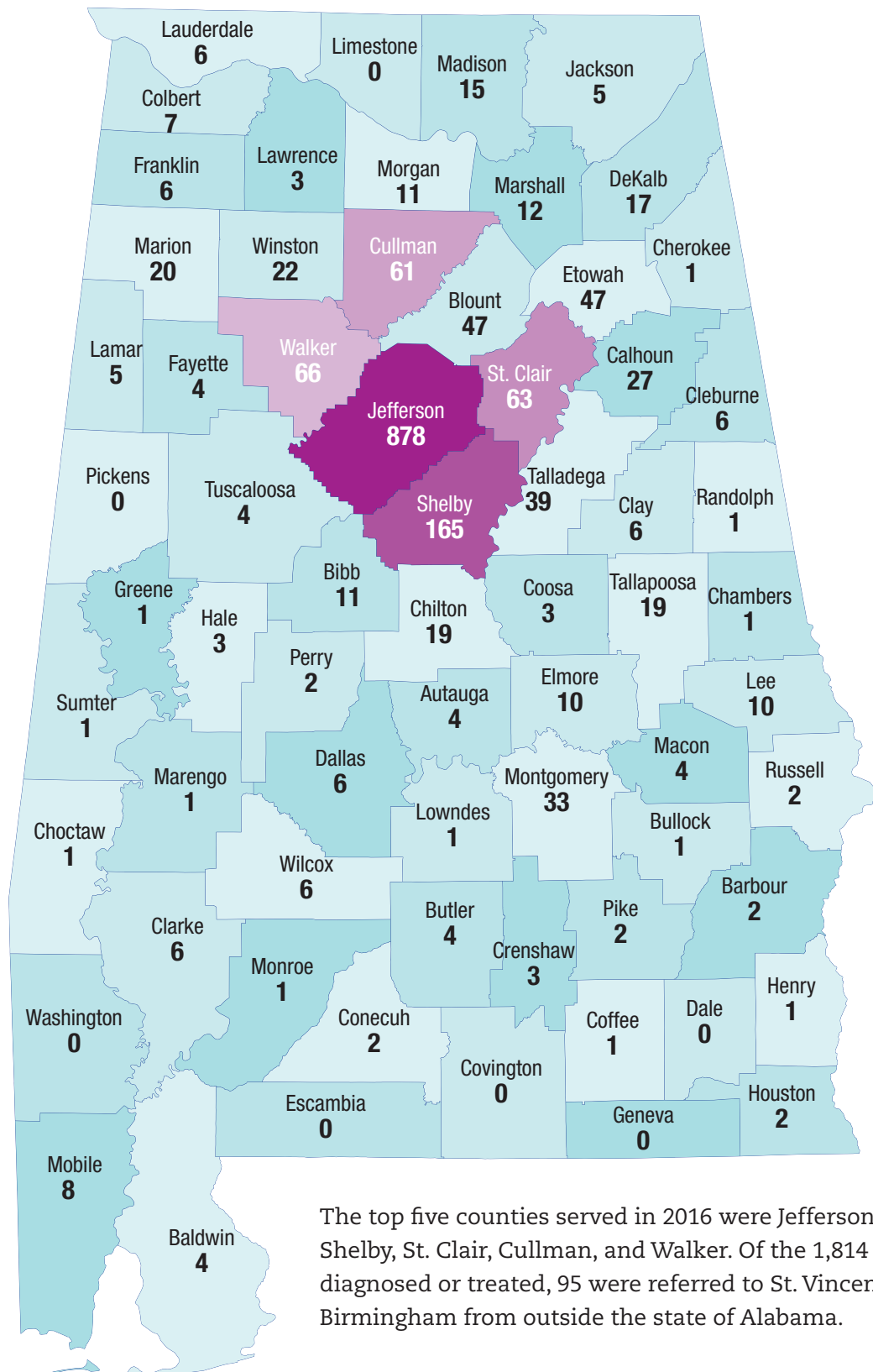
DR. ASHLEY FRY JOINS ST. VINCENT'S BRUNO CANCER CENTER TEAM

Dr. Ashley Fry joined Alabama Oncology at St. Vincent's Bruno Cancer Center in April 2017. Dr. Fry attended the University Of Mississippi School Of Medicine and completed her residency at the University of Alabama at Birmingham. She is board certified in Internal Medicine, Medical Oncology and Hematology.

Dr. Fry on her motivation to work with cancer patients:

"I grew up in a family of medical professionals and wanted to be a physician from an early age. I have always been a "people person" and was drawn to medicine because this is a field where you communicate with people from various backgrounds and cultures. I went to medical school with an open mind, uncertain which specialty suited me best. While I was in school, my grandmother was diagnosed with breast cancer. I remember the way she and my grandfather talked about her oncologist with such appreciation and admiration. I knew I wanted to impact the lives of my patients in such a way. Cancer affects so many people whether you are the one battling this disease or supporting a loved one through treatment. It is a privilege to care for my patients, and I do my best to provide a high standard of care in their time of need."

COUNTY AT DIAGNOSIS



The top five counties served in 2016 were Jefferson, Shelby, St. Clair, Cullman, and Walker. Of the 1,814 cases diagnosed or treated, 95 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	57	39	18	57	0	49	8	2	13	8	6	28	0
Lip	3	0	3	3	0	2	1	0	1	2	0	0	0
Tongue	16	11	5	16	0	15	1	1	4	1	3	7	0
Salivary Glands	11	7	4	11	0	8	3	0	3	2	1	5	0
Floor of Mouth	4	4	0	4	0	4	0	1	1	2	0	0	0
Gum & Other Mouth	6	3	3	6	0	5	1	0	3	0	0	3	0
Nasopharynx	1	0	1	1	0	1	0	0	1	0	0	0	0
Tonsil	9	9	0	9	0	8	1	0	0	0	1	8	0
Oropharynx	5	4	1	5	0	5	0	0	0	1	1	3	0
Hypopharynx	2	1	1	2	0	1	1	0	0	0	0	2	0
DIGESTIVE SYSTEM	264	136	128	248	16	205	59	9	67	47	49	40	25
Esophagus	10	6	4	10	0	7	3	0	2	1	2	3	2
Stomach	24	10	14	22	2	18	6	2	4	5	2	3	6
Small Intestine	6	3	3	6	0	6	0	0	1	1	1	0	0
Colon Excluding Rectum	96	42	54	92	4	81	15	3	24	17	26	15	5
Rectum & Rectosigmoid	58	37	21	54	4	53	5	3	14	15	11	3	6
Anus, Anal Canal & Anorectum	16	4	12	14	2	14	2	1	7	3	1	0	1
Liver & Intrahepatic Bile Duct	8	4	4	8	0	5	3	0	1	2	1	1	1
Gallbladder	1	0	1	1	0	1	0	0	1	0	0	0	0
Other Biliary	7	5	2	6	1	2	5	0	4	1	1	0	0
Pancreas	34	22	12	31	3	15	19	0	9	2	3	15	2
Retroperitoneum	3	2	1	3	0	2	1	0	0	0	1	0	2
Other Digestive Organs	1	1	0	1	0	1	0	0	0	0	0	0	0
RESPIRATORY SYSTEM	201	120	81	182	19	102	99	2	34	20	31	84	5
Nose, Nasal Cavity & Middle Ear	4	2	2	4	0	3	1	0	0	0	1	0	0
Larynx	19	16	3	15	4	16	3	0	4	3	4	3	1
Lung & Bronchus	177	102	75	162	15	82	95	2	30	17	26	81	4
Trachea, Mediastinum & Other Respiratory Organs	1	0	1	1	0	1	0	0	0	0	0	0	0
BONES & JOINTS	2	1	1	2	0	1	1	0	0	0	0	0	1
SOFT TISSUE (including Heart)	8	4	4	8	0	5	3	0	1	1	1	1	2
SKIN EXCLUDING BASAL & SQUAMOUS	19	12	7	17	2	17	2	6	4	2	1	2	1
BASAL & SQUAMOUS SKIN	1	0	1	0	1	1	0	0	1	0	0	0	0
BREAST	477	2	475	461	16	459	18	90	179	147	22	14	8
FEMALE GENITAL SYSTEM	144	0	144	129	15	129	15	6	63	10	29	9	5
Cervix Uteri	15	0	15	13	2	15	0	0	7	3	2	1	0
Corpus & Uterus, NOS	70	0	70	67	3	61	9	0	44	5	6	4	3
Ovary	29	0	29	28	1	24	5	0	5	1	17	2	2
Vagina	1	0	1	1	0	1	0	1	0	0	0	0	0
Vulva	22	0	22	13	9	22	0	5	7	0	0	1	0
Other Female Genital Organs	7	0	7	7	0	6	1	0	0	1	4	1	0
MALE GENITAL SYSTEM	397	397	0	371	26	392	5	0	30	259	67	13	2
Prostate	392	392	0	366	26	387	5	0	29	256	67	13	1
Testis	5	5	0	5	0	5	0	0	1	3	0	0	1
URINARY SYSTEM	140	105	35	131	9	120	20	38	59	10	8	13	2
Urinary Bladder	61	49	12	56	5	50	11	34	11	6	2	2	1
Kidney & Renal Pelvis	70	48	22	68	2	63	7	2	48	2	6	9	0
Ureter	6	6	0	4	2	4	2	2	0	1	0	1	0
Other Urinary Organs	3	2	1	3	0	3	0	0	0	1	0	1	1
BRAIN & OTHER NERVOUS SYSTEM	50	19	31	49	1	37	13	0	0	0	0	0	0
Brain	24	13	11	24	0	11	13	0	0	0	0	0	0
Cranial Nerves Other Nervous System	26	6	20	25	1	26	0	0	0	0	0	0	0
ENDOCRINE SYSTEM	71	25	46	68	3	70	1	0	32	7	9	2	5
Thyroid	57	15	42	55	2	56	1	0	32	7	9	2	5
Other Endocrine including Thymus	14	10	4	13	1	14	0	0	0	0	0	0	0
LYMPHOMA	31	18	13	29	2	23	8	0	3	2	1	4	19
Hodgkin Lymphoma	5	3	2	4	1	5	0	0	1	1	0	0	2
Non-Hodgkin Lymphoma	26	15	11	25	1	18	8	0	2	1	1	4	17
MYELOMA	20	8	12	17	3	16	4	0	0	0	0	0	0
LEUKEMIA	16	9	7	13	3	9	7	0	0	0	0	0	0
Lymphocytic Leukemia	7	3	4	4	3	5	2	0	0	0	0	0	0
Myeloid & Monocytic Leukemia	9	6	3	9	0	4	5	0	0	0	0	0	0
MESOTHELIOMA	3	2	1	3	0	1	2	0	0	0	1	2	0
KAPOSI SARCOMA	1	0	1	1	0	1	0	0	0	0	0	0	0
MISCELLANEOUS	33	16	17	28	5	18	0	0	0	0	0	0	0
TOTAL	1,935	913	1,022	1,814	121	1,655	280	153	485	513	225	212	75

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