



 SINAI

BE STRONGER | CARE HARDER | LOVE DEEPER

MOUNT SINAI HOSPITAL
CANCER CARE CENTER
2017 ANNUAL REPORT

We are proud of the patients we serve and our outcomes in cancer care and treatment. Our physicians, nurses, pharmacists and support staff are fully committed to putting our knowledge, experience and compassion forward to ensure the best possible outcome for each patient. We understand our responsibility as the humble servants of those who seek our assistance.

Table of Contents

A Message from Sinai Leadership.....	4
Cancer Committee Chair’s Report.....	5
From the Cancer Program Administrator	6
Cancer Registry Report	7
Clinical Trial Accrual.....	10
Prevention and Screening Programs	11
Accountability and Quality Improvement Measures.....	14
Support Programs.....	15
Partner Services Provided.....	16
Supportive Care Clinic	17
Cancer Committee 2017	18

A Message from Sinai Leadership

“My husband was diagnosed with cancer and treated at Mount Sinai. Three years after being hospitalized, my husband passed away. I lost the man I loved most, but I never lost the support of Sinai. [My doctor] sent me a card giving me his condolences, and Sinai would also send me Christmas cards. Others might be surprised, but not me. I’ve been going to Sinai for fifty years, and they’ve always treated their patients as if they were family.”

-Laura McDonald, Sinai patient since 1964

Laura’s story and others like it are what lies behind the numbers and charts presented in this annual report – *real patients, real caregivers and real stories of treatment.*

Real life made better by excellent care.

Real life made better by treating all families with dignity and respect.

Mount Sinai Hospital’s Cancer Services Program was founded with the idea that it is possible to provide the highest quality cancer care to some of Chicago’s most economically challenged communities. Today, our patients are primarily Hispanic (29%) and African American (40%), with an increasing mix of other races and nationalities. Cancer is the second leading cause of death in our nation and for non-Hispanic Blacks, and it is the principal cause of death among Latinos. Many of our patients are uninsured or they rely on Medicaid and Medicare. It is no small feat to ensure that under-resourced patients are given the same opportunity for healthy outcomes as people with greater means. Yet we do, every day.

Under the leadership of Sinai Health System’s Chief of Hematology and Oncology, Dr. Pam Khosla, we have built a cancer program that unites all SHS disciplines and physicians together to treat cancer. We are proud to note that Mount Sinai Hospital’s Cancer Services Program has again been named a Commission on Cancer®-accredited program. Dr. Khosla also serves on the Coleman Supportive Oncology Collaborative, an interdisciplinary team of 169 professionals from 25 Chicago-area cancer care institutions who work together to design and test new processes, create screening tools, and to advocate for insurance coverage of supportive care services. We enthusiastically work with our partners across the city to ensure that we continue to innovate and improve the quality of life for our patients.

Our commitment to exceptional cancer care, and to seeking innovation, fills our patients and their families with hope at a time when they may feel all hope is lost. Congratulations to the Mount Sinai Hospital Cancer Services Program on another exceptional year of accomplishments and on its future of success.



Karen Teitelbaum
President and Chief Executive Officer

Cancer Committee Chair's Report

As we approach 100 years of Sinai Health System serving the communities on the west and south side of Chicago, we are proud of our growing community of patients and services at the Sinai Cancer Center. We saw record growth in analytic cases in 2017 jumping from approximately 415 new cancer cases per year to over 550 cases this year. Breast cases increased by 50%. We continue to see more stage II as compared to stage I breast cancer at diagnosis, compared to the national prevalence. This emphasizes the continued need for investing in our screening and prevention programs like Helping Her Live and computer aided mammography to detect breast cancer at an earlier stage. Our team offers comprehensive assessment from genetic risk assessment, risk reduction, curative multidisciplinary therapy, clinical trials through the CTSU (Clinical Trials Support Unit) of the National Cancer Institute and survivorship care.



Pam Khosla, MD
Chief, Department of Oncology/Hematology
Cancer Committee Chair

Awards



Chicago Magazine names [Dr. Pam Khosla](https://bit.ly/2im0orl) as one of the city's top Oncologists. Read more at <https://bit.ly/2im0orl>

From the Cancer Program Administrator

From the Cancer Program Administrator

Sinai's Cancer Program Annual Report is a summary of our accomplishments and outcomes. Because high-quality care and excellent patient outcomes are a top priority, our staff and physicians continuously monitor, measure, and work to improve the quality of our services. This annual report is more specifically designed to meet Standard 1.12 - Public Reporting of Outcomes of the American College of Surgeons' Commission on Cancer's (CoC) accreditation standards. While Standard 1.12 only requires that we report on one area, the Oncology Committee has decided that it is important to publicly show our performance results in several areas:

- Standard 4.1 Prevention Programs
- Standard 4.2 Screening Programs
- Standard 4.6 Monitoring Compliance with Evidence-Based Guidelines

We are committed to providing the best patient care to meet the needs of our patients. To that end, we have developed a new and exciting clinic that provides supportive care to our patients. We also continue to form strategic partnerships in order to meet the many needs of the communities we serve.



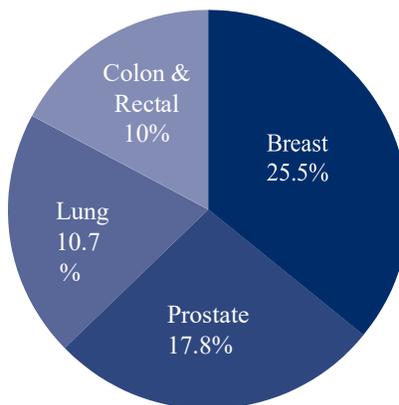
Sameer Shah, PharmD, MHA.
Cancer Program Administrator,
System Director of Pharmacy, Respiratory, Sleep Lab & Neurodiagnostics

Cancer Registry Report

In 2017 we continue to see many more patients with cancer within our community. Consistent with our annual community survey done in 2016 the primary cancers continue to be breast, prostate and lung. The total amount of cases seen in 2017 was 564. The following lists some of the primary sites of cancer diagnosis at Mount Sinai Hospital for patients in 2017.

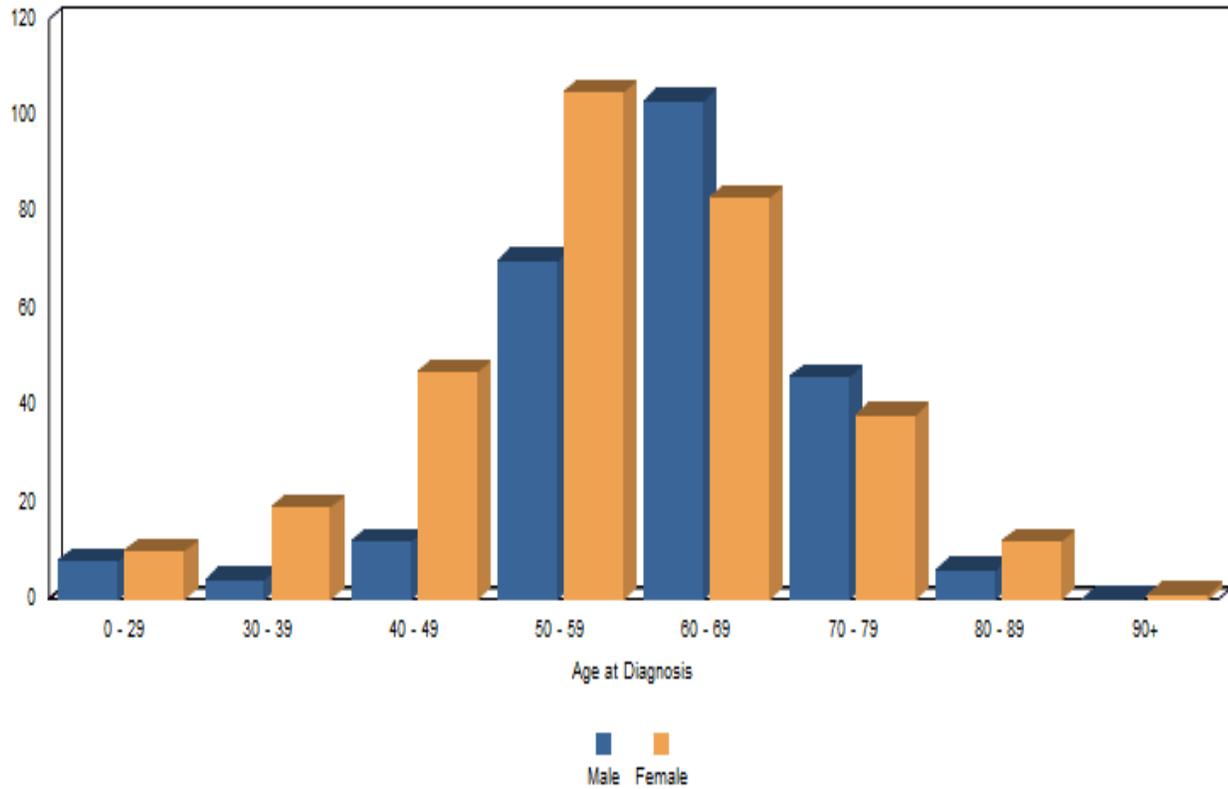
2017 Analytical Case Distribution Report	Count (N)	Percent (%)
Head and Neck Cancer	33	5.85
Esophageal	8	1.40
Stomach	6	1.00
Colon and Rectal	56	10.0
Liver and Pancreatic	12	2.15
Lung	60	10.65
Breast	144	25.50
Cervical	27	4.80
Ovarian	7	1.25
Prostrate	101	17.8
Lymphoma	18	3.20
Myeloma	7	1.25
Leukemia	7	1.25
Other	78	13.90
Total	564	100

Top Cancer Sites 2017 Analytical Data

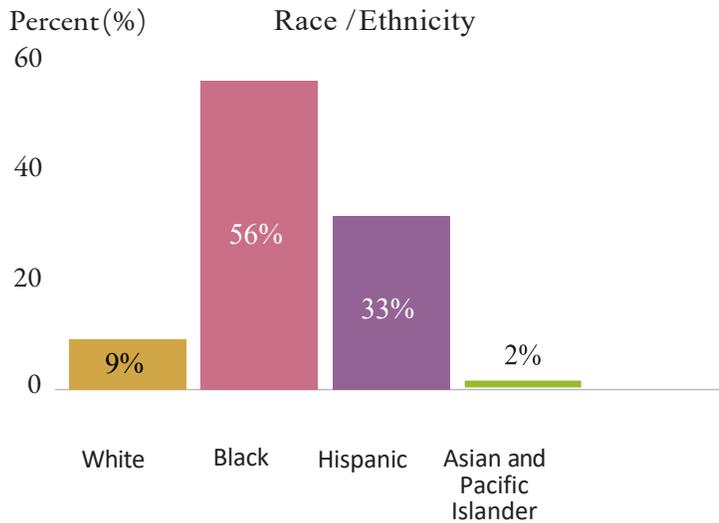


2017 Analytical Case Distribution Report by Age / Sex	Male	Female	Total
0-29	8	10	18
30-39	4	19	23
40-49	12	47	59
50-59	70	105	175
60-69	103	83	186
70-79	46	38	84
80-89	6	12	18
90+	0	1	1
Total			

Age at Diagnosis by Sex



Cancer Care Provided by Race 2016 National Cancer Data Base (NCDB)



Race / Ethnicity	N	%
White	42	9%
Black	259	55%
Hispanic	152	33%
Asian & Pacific Islander	8	2%
Total	461	100%

Insurance Status by Race/Ethnicity

Race/Ethnicity	Not Insured	Private/ Managed	Medicaid	Medicare	Insurance Status	N	%
White	2	14	17	7	2	42	8.97%
	4.80%	33.30%	40.50%	16.70%	4.80%	100%	
Black	2	69	94	88	6	259	55.34%
	0.80%	26.60%	36.30%	34%	2.30%	100%	
Hispanic	5	36	68	41	2	152	32.48%
	3.30%	23.70%	44.70%	27%	1.30%	100%	
Asian and Pacific Isl	0	3	3	2	0	8	1.71%
	0	37.50%	37.50%	25%	0	100%	
Total	9	122	182	138	10	461	100%

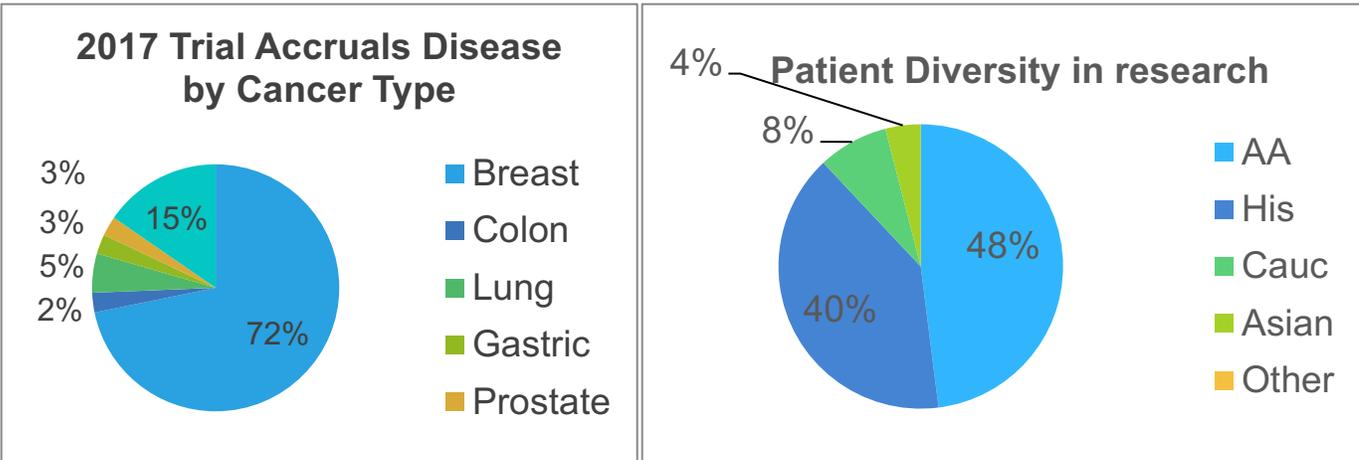
© 2017 National Cancer Data Base (NCDB) – Commission on Cancer (CoC), Thursday, December 14, 2017

Mount Sinai Hospital continues to follow its mission to commit to improve the health of individuals we serve, regardless of race or their ability to pay for health care services.

Clinical Trial Accrual

Clinical trials at Mount Sinai Hospital’s Cancer Center continue to grow. We offer advanced treatment options for adult patients, clinical trials, translational research and procurement of tissue for research.

2017 Mount Sinai Hospital Clinical Trial Statistics



Clinical trials are an indispensable weapon in the fight against cancer and provide patients with valuable treatment options that may not be available to them otherwise. In 2017, Sinai’s research program had over 25 cancer trials available for our patients (most of any community hospital in Chicago). We provided important education opportunity to students, residents and staff to learn about the role research plays in fostering innovation in modern medicine and cancer care. We aim to continue its role as part of the “Cancer Moonshot” initiative, originally launched by President Obama.



Nicole Leahy, Research Assistant
Niraj Patel, Clinical Research Coordination

Prevention and Screening Programs

Standard 4.1 Prevention Programs

Standard 4.1 states “Each year, the cancer committee provides at least one cancer prevention program that is targeted to meet the needs of the community and should be designed to reduce the incidence of a specific cancer type.”

This year, the prevention programs focused on presentations regarding Breast Cancer at the Health Fairs throughout the year in surrounding neighborhoods, Lung and Colon cancer at Sweet Holy Spirit Church Chicago October 15th 2017 and general cancer risk factors at the Brighton Park’s 6th annual Health fair on April 8th 2017. Mt. Sinai also held our first smoking cessation program in September 2017. This three-day series program, **Courage to Quit**, is a comprehensive group tobacco treatment program for adults and those whose lives have been impacted by cancer.

Standard 4.2 Screening Programs

Standard 4.2 states “Each year, the cancer committee provides at least one cancer screening program that is targeted to decreasing the number of patients with late stage disease.” In 2017 screening programs focused on two cancers: breast and lung cancers. The events were held in the community and referrals to Mount Sinai Hospital.

Breast Cancer. *The Helping Her Live* program in 2017 provided education to 483 participants

Outcome: 386 screening mammograms were provided to women who met criteria.

Lung screening was performed utilizing a risk tool by the American Lung Association at Sweet Holy Spirit Church Chicago.

Outcome: 26 participants were initially screened however they did not meet criteria for further workup.

Accountability and Quality Improvement Measures

The Cancer Registry at Mount Sinai Hospital's Cancer Center submits data annually to the National Cancer Data Base (NCDB). The data elements required for submission to NCDB are utilized by the Commission on Cancer in evaluating and assessing quality measures that have been developed to ensure patient-centered treatment outcomes. The quality measures are endorsed by the NQF (National Quality Forum).

Breast Cancer

Accountability Measure

Radiation is administered within 1 year (365 days) of diagnosis for women under the age of 70 receiving breast conservation surgery for breast cancer

Mount Sinai Hospital	100%
State of Illinois	90.6%
All CoC Commission on Cancer Approved Programs	88.5%

Accountability Measure

Tamoxifen or third generation aromatase inhibitor is recommended or administered within 1 year (365 days) of diagnosis for women with AJCC T1c or stage IB-III hormone receptor positive breast cancer

Mount Sinai Hospital	100%
State of Illinois	95.6%
All CoC Commission on Cancer Approved Programs	89.1%



Neil Seif, MD
Radiation Oncologist

Colon Cancer

Accountability Measure

At least 12 regional lymph nodes are removed and pathologically examined for resected colon cancer

Mount Sinai Hospital	100%
State of Illinois	94.8%
All CoC Commission on Cancer Approved Programs	93.0%

Accountability Measure

Adjuvant chemotherapy is recommended, or administered within 4 months (120 days) of diagnosis for patients under the age of 80 with AJCC stage III (lymph node positive) colon cancer

Mount Sinai Hospital	100%
State of Illinois	90.9%
All CoC Commission on Cancer Approved Programs	87.3%

The CoC requires the Cancer Committee to review the quality of patient care using CoC quality reporting tools appropriate to the patients who are treated by the program each year.

The most recent information from 2017 shows that Mount Sinai Hospital has exceeded all local and national bench marks for breast and colon cancer care for the above performance.

Accountability and Quality Improvement Measures

(continued)



Compliance with NCCN Guidelines

In 2017, a chart audit was conducted on prostate cancer patients who were diagnosed in between 2015 and 2017. A total of 50 patients were reviewed according to the National Comprehensive Cancer Network guidelines in the treatment of prostate cancer.

Results of Data

Random samples of 50 patients were assessed to determine if treatment met the NCCN guidelines for care of patients with prostate cancer.

- The patients chosen were stage I-IV.
- An audit tool was developed by cancer committee and approved by Dr. Kassem based on the NCCN NSCLC version 3.2017 11/16/2016.
- Based on the following results patients with stage I-IV prostate cancer were managed appropriately according to NCCN guidelines.

Support Programs



The Cancer Center at Mount Sinai Hospital is a resource center for all oncology patients, their families and the community. In conjunction with treatment modalities, we strive to meet the physical, emotional, social and spiritual needs of each person who relies on us for care. Our goal is to empower and support patients and families. Support programs help individuals cope with cancer and manage lifestyle changes and challenges.

Support and networking with the American Cancer Society, Gilda's Club and the Coleman Foundation allows us to provide services to our patients to meet their emotional, social and spiritual needs.

Partner Services Provided

American Cancer Society:

110 patients were referred and provided with 185 services. Services included the Look Good Feel Better® program teaching women beauty techniques to cope with skin changes and hair loss, as well as other supportive services such as transportation and assistance with wigs and personal health needs.

Patient Characteristics

Patient Information	# Provided
No. of Patients Served	154
No. of Service Provided	238
Uninsured	71

Services Provided

Service Type	# Provided
Reach to Recovery	19
Wigs	35
Personal Health Manager	83

Gilda's Club provides weekly art and craft activities to patients and family daily outside of the treatment center.

Coleman Foundation has been an ongoing supporter of the Sinai Cancer program. The Foundation has helped develop an interactive supportive oncology platform between major academic institutions and community hospitals. Most recent collaborative has helped develop a comprehensive tool to measure patients' psychosocial and physical distress.

Other Supportive Service:

To continue to meet the needs of our patients, we have a certified nurse navigator available to help individuals and families with appointments and scheduling tests and procedures. Our oncology social worker counsels patients and families as they face various challenges. She assists with stress reduction, improving coping skills and locating needed services. Our dietitian meets with patients during and after treatment to ensure that nutritional needs are adequately understood and met. Pastoral care services are available to patients and their families, and a chapel located within the hospital may be used for quiet reflection. Our patients and families are surrounded by a team dedicated to addressing their needs to the best of our ability.

Supportive Care Clinic:

Mt Sinai Oncology has developed a new Supportive Care Clinic in 2017 as a result of a grant from the Coleman Foundation. All newly diagnosed patients with cancer are seen by clinicians who utilize a distress screening scale to identify factors that impact the patient. Some of these issues addressed are:

- Transportation
- Disease process
- Nutritional
- Spiritual
- Financial
- Psychosocial Distress

The Supportive Care Clinic provides a setting for the clinic to address all the concerns of the patient and have resources at hand to deal effectively with their needs. The clinic has a flexible schedule with multiple days in the week to meet the patient work schedule and other commitments. The coordinator schedules appointments with other schedule tests so that the patient can manage multiple visits in one visit. Patients are also provided with a trifold brochure with direct line to the oncology coordinator and a Cancer Take Charge Card that provides information on important phone numbers, health information and emergency contact numbers.



Cancer Committee 2017

Physician Membership

Pam Khosla, MD
Cancer Committee Chairperson

Neil Seif, MD Cancer
Liaison Physician

Ivica Vucic, MD
Diagnostic Radiologist

Mohammed Kassem, MD
Medical Oncologist

Vikas Mehta, MD
Pathologist

Neil Seif, MD
Radiation
Oncologist

Anngell Jones, MD Surgeon

Kishore Bobba MD Palliative
Care Team Member

Non-Physicians Members

Sameer Shah, Pharm, MHA
Cancer Program Administrator

Catherine Cassingham, MSW
Social Worker

Maria Arreola, CTR
Certified Tumor Registrar

Gregory Horeni, RN MSN, MBA
Performance Improvement Coordinator

Shakuntala Shrestha RN, APN
Genetics Representative

Sandra Ramirez RN
Community Outreach Coordinator

Niraj Patel
Clinical Research Coordinator

Beth Zabinsky
Registered Dietician

Rev. Romulo Manching
Pastoral Care Representative

Jessica Smith
American Cancer Society Representative

Alnierys Venegas
Sinai Urban Health Institute

Lorena Vaca
Cancer Conference Coordinators

MEMBERS OF SINAI HEALTH SYSTEM

MOUNT SINAI HOSPITAL | HOLY CROSS HOSPITAL
SCHWAB REHABILITATION | SINAI CHILDREN'S HOSPITAL
SINAI MEDICAL GROUP | SINAI COMMUNITY INSTITUTE
SINAI URBAN HEALTH INSTITUTE

sinai.org