Pictured on cover from top to bottom:

Abubakar M. Bello, MD, National Hospital Abuja (Nigeria), discussed the NCCN Harmonized Guidelines™ for Sub-Saharan Africa at the NCCN 2019 Annual Conference in Orlando, FL.

The meeting of the NCCN Guidelines Panel for Pediatric Acute Lymphoblastic Leukemia took place in late 2018 at NCCN headquarters in Plymouth Meeting, PA. The new NCCN Guidelines for Pediatric Acute Lymphoblastic Leukemia were published in May 2019.

Event Co-Chair Ranjana H. Advani, MD, Stanford Cancer Institute, presents during the NCCN Annual Congress: Hematologic Malignancies™ in San Francisco, CA.

Justin E. Bekelman, MD, Abramson Cancer Center at the University of Pennsylvania, speaks during the December 2019 NCCN Patient Advocacy Summit in Washington, DC.

Attendees at the General Poster Session during the NCCN 2019 Annual Conference in Orlando, FL.
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NCCN Mission and Vision

NCCN is an alliance of leading cancer centers devoted to patient care, research, and education.

Our mission is to improve and facilitate quality, effective, efficient, and accessible cancer care so patients can live better lives.

Our vision is to define and advance high-quality, high-value, patient-centered cancer care globally.
NCCN Alliance

The National Comprehensive Cancer Network® (NCCN®) is a not-for-profit alliance of 28 leading cancer centers devoted to patient care, research, and education.

NCCN Member Institutions

Abramson Cancer Center at the University of Pennsylvania
Fred & Pamela Buffett Cancer Center
Case Comprehensive Cancer Center/University Hospitals Seidman Cancer Center and Cleveland Clinic Taussig Cancer Institute
City of Hope National Medical Center
Dana-Farber/Brigham and Women’s Cancer Center
Massachusetts General Hospital Cancer Center
Duke Cancer Institute
Fox Chase Cancer Center
Huntsman Cancer Institute at the University of Utah
Fred Hutchinson Cancer Research Center/Seattle Cancer Care Alliance

The Sidney Kimmel Comprehensive Cancer Center at Johns Hopkins
Robert H. Lurie Comprehensive Cancer Center of Northwestern University
Mayo Clinic Cancer Center
Memorial Sloan Kettering Cancer Center
Moffitt Cancer Center
The Ohio State University Comprehensive Cancer Center - James Cancer Hospital and Solove Research Institute
O’Neal Comprehensive Cancer Center at UAB
Roswell Park Comprehensive Cancer Center
Siteman Cancer Center at Barnes-Jewish Hospital and Washington University School of Medicine

St. Jude Children’s Research Hospital/
The University of Tennessee Health Science Center
Stanford Cancer Institute
UC San Diego Moores Cancer Center
UCSF Helen Diller Family Comprehensive Cancer Center
University of Colorado Cancer Center
University of Michigan Rogel Cancer Center
The University of Texas MD Anderson Cancer Center
University of Wisconsin Carbone Cancer Center
Vanderbilt-Ingram Cancer Center
Yale Cancer Center/Smilow Cancer Hospital
National Comprehensive Cancer Network® (NCCN®) continues to grow in relevance and influence and, indeed, experienced unprecedented growth over the last year. This report provides an opportunity to reflect on our achievements and illuminates the next phase in efforts to improve the quality, effectiveness, efficiency, and accessibility of cancer care globally.

Utilization of the NCCN Clinical Practice Guidelines in Oncology (NCCN Guidelines®) continues to increase. In 2019 there were more than 11.3 million downloads – a 12% increase over 2018. We recognize the need for ever-expanding utilization of our Guidelines and we remain committed to providing the most thorough and frequently updated clinical practice guidelines available in any area of medicine.

Last year we added four new NCCN Guidelines®, including two pediatric guidelines, to our library, bringing the total number of NCCN Guidelines to 76. It is essential that all NCCN Guidelines be continuously updated and revised to reflect new scientific evidence and clinical information that may add to or alter current clinical practice standards to achieve optimal outcomes. In order to achieve this commitment, more than 1,520 volunteer experts across the 28 NCCN Member Institutions serve on NCCN Guidelines Panels. In 2019, NCCN Guidelines were updated 173 times.

NCCN continues to increase the accessibility and utility of the NCCN Guidelines for people in the United States and across the globe. In 2019, we launched a new NCCN Guidelines app that further assists health care professionals in their implementation of the NCCN Guidelines. The new app automatically updates NCCN Guidelines to the latest versions and includes additional features to facilitate searching and sharing. The application allows for easy access to the NCCN Guidelines, NCCN Framework for Resource Stratification of NCCN Guidelines (NCCN Framework™), NCCN Harmonized Guidelines™, international adaptations and translations of NCCN Guidelines, and NCCN Guidelines with NCCN Evidence Blocks™. The NCCN Guidelines for Patients® will also be available in the app.

Our vision is to define and advance high-quality, high-value, patient-centered cancer care globally. NCCN experts, together with the new alliance, Allied Against Cancer, created to help fight cancer in Sub-Saharan Africa, added to the library of the NCCN Harmonized Guidelines™ for Sub-Saharan Africa. In 2019, NCCN published 25 new NCCN Harmonized Guidelines™ for Sub-Saharan Africa, bringing the total to 39. NCCN ended 2019 with 176 international translations of the NCCN Guidelines and derivative products into 19 languages, 25 international adaptations, and 19 NCCN Framework™.
We continue to increase our ability to adapt and disseminate the critical knowledge contained in the NCCN Guidelines into an easy-to-understand format with the NCCN Guidelines for Patients to empower patients with knowledge through their cancer journey. In 2019, two new NCCN Guidelines for Patients were created and, with support from NCCN Foundation®, we continued our commitment to update existing patient resources. The library of patient resources now includes 42 NCCN Guidelines for Patients, as well as 18 translated resources in 9 languages.

Throughout the year, NCCN educational opportunities, events, policy summits, advocacy efforts, research programs, numerous NCCN committees and advisory groups, and business programs engage diverse groups of stakeholders in our shared work to improve, innovate, and increase knowledge about evidence-based cancer care. We are excited about the future. As we look to the future, we are committed to expand our reach and impact through high-quality content, activities, programming, and education.

The multiple successes of NCCN are possible because of the passionate NCCN team that is eager to embrace new advances and discoveries to help people with cancer live better lives. We wholeheartedly thank NCCN Member Institutions; members of boards, committees and panels; supporters; staff; and all those who access our resources for helping us advance cancer care in 2019 and into our 25th year in 2020.

Sincerely,

Ronald S. Walters, MD, MBA, MHA, MS
Robert W. Carlson, MD

Ronald S. Walters, MD, MBA, MHA, MS
Chair
NCCN Board of Directors
Associate Head for the Institute for Cancer Care Innovation
The University of Texas MD Anderson Cancer Center

Robert W. Carlson, MD
Chief Executive Officer
NCCN
Quality Care Through NCCN Guidelines
NCCN is dedicated to providing all oncology stakeholders with reliable and up-to-date information through publishing and continuously updating the library of NCCN Clinical Practice Guidelines in Oncology (NCCN Guidelines®) and derivative products.

NCCN Guidelines® are the most thorough and frequently updated clinical practice guidelines available in any area of medicine.

About the Guidelines

**NCCN Guidelines** contain cancer care recommendations that are continuously updated and revised to reflect new data and clinical information.

**NCCN Categories of Evidence and Consensus** are based on the level of clinical evidence available and the degree of consensus within NCCN Guidelines Panels.

**NCCN Categories of Preference** clarify panel and institutional preferences for interventions, provide guidance to users of the NCCN Guidelines on which recommendation(s) is considered optimal, and continue to provide a wide range of recommendations to meet varying clinical circumstances and patient preferences.

**NCCN Guidelines with NCCN Evidence Blocks™** are a visual representation of five key measures that provide important transparent information about specific NCCN Guidelines recommendations that informs decisions about systemic therapies based upon treatment, supporting data, and cost. It is a starting point for shared decision-making considering the patient’s own value system.

Types of Guidelines

- NCCN Guidelines for Treatment of Cancer by Site (Apply to 97% of cancer cases in the United States)
- NCCN Guidelines for Detection, Prevention, & Risk Reduction
- NCCN Guidelines for Supportive Care
- NCCN Guidelines for Specific Populations
- NCCN Guidelines with NCCN Evidence Blocks™

Access to the Guidelines

- Free download online from NCCN.org
- NCCN App
- Print Copies
- Pocket Guidelines
- E-mail alerts (with subscription to NCCN Flash Updates™)
- Health Information Technology (HIT) companies
NCCN Guidelines were downloaded more than 11.3 million times in 2019, a 12% increase over 2018.
The NCCN Guidelines® are a comprehensive set of guidelines detailing the sequential management decisions and interventions that currently apply to 97 percent of cancers affecting patients in the United States.

NCCN Member Institution volunteers seated on NCCN Guidelines Panels develop the NCCN Guidelines and continuously update and revise them to reflect the latest advances in preventive, diagnostic, treatment, and supportive services. NCCN Guidelines Panel Members include multidisciplinary, disease-specific sub-specialists who are both clinicians and researchers, as well as patient advocates. Each guideline undergoes annual institutional review where it is circulated for comment among the faculty at each NCCN Member Institution. External parties, including patients, patient advocates, clinicians outside the Member Institutions, industry, and/or payers, are invited to submit requests for specific issues or topics to be discussed by the NCCN Guidelines Panel.

The most frequently downloaded NCCN Guidelines in 2019 were:

<table>
<thead>
<tr>
<th>NCCN Guidelines for Breast Cancer</th>
<th>&gt; 619,000 downloads</th>
</tr>
</thead>
<tbody>
<tr>
<td>NCCN Guidelines for Non-Small Cell Lung Cancer</td>
<td>&gt; 427,000 downloads</td>
</tr>
<tr>
<td>NCCN Guidelines for Prostate Cancer</td>
<td>&gt; 297,000 downloads</td>
</tr>
<tr>
<td>NCCN Guidelines for Colon Cancer</td>
<td>&gt; 285,000 downloads</td>
</tr>
</tbody>
</table>

76 NCCN Guidelines

60 NCCN Guidelines Panels in 2019

>1,520 NCCN Guidelines Panel Members

>35,000 Hours NCCN Guidelines Panelists volunteered

>1.2 million Registered users of NCCN Guidelines

>3.5 million Unique visitors to NCCN.org
In 2019, NCCN added four **NEW** NCCN Guidelines for a total of 76 Guidelines.

### Treatment of Cancer by Site

- Acute Lymphoblastic Leukemia (Adult and AYA) **NEW**
- Acute Lymphoblastic Leukemia (Pediatric and AYA) **NEW**
- Acute Myeloid Leukemia
- AIDS-Related Kaposi Sarcoma
- Anal Carcinoma
- B-Cell Lymphomas
- Basal Cell Skin Cancer
- Bladder Cancer
- Bone Cancer
- Breast Cancer
- Central Nervous System Cancers
- Cervical Cancer
- Chronic Lymphocytic Leukemia/Small Lymphocytic Lymphoma
- Chronic Myeloid Leukemia
- Colon Cancer
- Cutaneous Melanoma
- Dermatofibrosarcoma Protuberans
- Esophageal and Esophagogastric Junction Cancers
- Gastric Cancer
- Gestational Trophoblastic Neoplasia
- Hairy Cell Leukemia
- Head and Neck Cancers
- Hepatobiliary Cancers
- Hodgkin Lymphoma
- Kidney Cancer
- Malignant Pleural Mesothelioma
- Merkel Cell Carcinoma
- Multiple Myeloma
- Myelodysplastic Syndromes
- Myeloproliferative Neoplasms
- Neuroendocrine and Adrenal Tumors
- Non-Small Cell Lung Cancer
- Occult Primary
- Ovarian Cancer
- Pancreatic Adenocarcinoma
- **Pediatric Aggressive Mature B-Cell Lymphomas** **NEW**
- Penile Cancer
- Primary Cutaneous Lymphomas
- Prostate Cancer
- Rectal Cancer
- **Small Bowel Adenocarcinoma** **NEW**
- Small Cell Lung Cancer
- Soft Tissue Sarcoma
- Squamous Cell Skin Cancer
- Systemic Light Chain Amyloidosis
- Systemic Mastocytosis
- T-Cell Lymphomas
- Testicular Cancer
- Thymomas and Thymic Carcinomas
- Thyroid Carcinoma
- Uterine Neoplasms
- Uveal Melanoma
- Vulvar Cancer
- Waldenström's Macroglobulinemia/lymphoplasmacytic Lymphoma

### Detection, Prevention, & Risk Reduction of Cancer

- Breast Cancer Risk Reduction
- Breast Cancer Screening and Diagnosis
- Colorectal Cancer Screening
- Genetic/Familial High-Risk Assessment: Breast, Ovarian, and Pancreatic
- Genetic/Familial High-Risk Assessment: Colorectal
- Lung Cancer Screening
- Prostate Cancer Early Detection

### Specific Populations

- Adolescent and Young Adult (AYA) Oncology
- Cancer in People Living with HIV
- Older Adult Oncology

### Supportive Care

- Adult Cancer Pain
- Antiemesis
- Cancer-Associated Venous Thromboembolic Disease
- Cancer-Related Fatigue
- Distress Management
- **Hematopoietic Cell Transplantation** **NEW**
- Hematopoietic Growth Factors
- Management of Immunotherapy-Related Toxicities
- Palliative Care
- Prevention and Treatment of Cancer-Related Infections
- Smoking Cessation
- Survivorship
NCCN Guidelines derivatives are an integrated suite of resources to improve the quality of cancer care. They are developed and updated with information extracted directly from the NCCN Guidelines.

Clinical Resources
- NCCN Drugs & Biologics Compendium (NCCN Compendium®)
- NCCN Biomarkers Compendium®
- NCCN Radiation Therapy Compendium™
- NCCN Imaging Appropriate Use Criteria (NCCN Imaging AUC™)
- NCCN Chemotherapy Order Templates (NCCN Templates®)

Global Resources
- NCCN Harmonized Guidelines™
- International Adaptations
- International Translations

Patient and Caregiver Resources
- NCCN Guidelines for Patients®
- Patient Webinars
- Global Language Translations
“Our panels work very hard to make sure the NCCN Guidelines are up to date and inclusive for any therapeutic advances. We do extensive review and discussion of all existing evidence, and are constantly exploring ways to provide a more comprehensive approach for patients.”

Al B. Benson, III, MD, Robert H. Lurie Comprehensive Cancer Center of Northwestern University; Chair, NCCN Guidelines Panel for Colon/Rectal/Anal Cancers
# NCCN Guidelines Derivatives

## Clinical Resources

<table>
<thead>
<tr>
<th>Resource</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>NCCN Drugs &amp; Biologics Compendium</strong> (NCCN Compendium®)</td>
<td>Authoritative, scientifically derived information designed to support decision-making about the appropriate use of drugs and biologics in patients with cancer</td>
</tr>
<tr>
<td></td>
<td>- Contains more than 4,400 active records</td>
</tr>
<tr>
<td></td>
<td>- Updated in conjunction with the NCCN Guidelines on a continual basis</td>
</tr>
<tr>
<td></td>
<td>- Recognized by public and private insurers as an authoritative reference for oncology coverage policy</td>
</tr>
<tr>
<td></td>
<td>- Subscription-based searchable database online at NCCN.org</td>
</tr>
<tr>
<td><strong>NCCN Biomarkers Compendium®</strong></td>
<td>Information to support decision-making around the use of biomarkers in cancer care</td>
</tr>
<tr>
<td></td>
<td>- Provides essential details for tests recommended by the NCCN Guidelines, such as tests that measure changes in genes or gene products for predictive, diagnosis, monitoring, surveillance, or prognostic information</td>
</tr>
<tr>
<td></td>
<td>- Contains 1,430 records</td>
</tr>
<tr>
<td></td>
<td>- Subscription-based searchable database online at NCCN.org</td>
</tr>
<tr>
<td><strong>NCCN Imaging Appropriate Use Criteria</strong> (NCCN Imaging AUC™)</td>
<td>Details of imaging recommendations included in the NCCN Guidelines</td>
</tr>
<tr>
<td></td>
<td>- Available for more than 60 cancer types in addition to screening and supportive care</td>
</tr>
<tr>
<td></td>
<td>- NCCN is recognized by Centers for Medicare &amp; Medicaid Services (CMS) as a qualified provider-led entity for creation of the NCCN Imaging AUC™</td>
</tr>
<tr>
<td></td>
<td>- Free searchable database online at NCCN.org</td>
</tr>
<tr>
<td><strong>NCCN Radiation Therapy Compendium™</strong></td>
<td>Information to support clinical decision-making around the use of radiation therapy in patients with cancer</td>
</tr>
<tr>
<td></td>
<td>- Includes a full complement of radiation therapy recommendations found in the NCCN Guidelines</td>
</tr>
<tr>
<td></td>
<td>- Contains 48 disease sites and 891 radiation therapy recommendations</td>
</tr>
<tr>
<td></td>
<td>- Recognized by public and private insurers as an authoritative reference for oncology coverage policy</td>
</tr>
<tr>
<td></td>
<td>- Subscription-based searchable database online at NCCN.org</td>
</tr>
<tr>
<td><strong>NCCN Chemotherapy Order Templates</strong> (NCCN Templates®)</td>
<td>Intended to improve the safe use of drugs and biologics in cancer care</td>
</tr>
<tr>
<td></td>
<td>- Includes chemotherapy, immunotherapy, supportive care agents, monitoring parameters, and safety instructions</td>
</tr>
<tr>
<td></td>
<td>- Special instructions for self-administered chemotherapeutic agents also provided</td>
</tr>
<tr>
<td></td>
<td>- Contains more than 1,550 active templates</td>
</tr>
<tr>
<td></td>
<td>- Downloaded more than 880,000 times in 2019</td>
</tr>
<tr>
<td></td>
<td>- Subscription-based searchable database online at NCCN.org</td>
</tr>
</tbody>
</table>
In August 2019, oncologists from 11 African countries, the CEOs of NCCN and American Cancer Society, and experts from NCCN Member Institutions attended a meeting hosted by the Ethiopian Health Minister to finalize additional NCCN Harmonized Guidelines™ for Sub-Saharan Africa.
## NCCN Guidelines Derivatives

### Global Resources

<table>
<thead>
<tr>
<th>NCCN Framework for Resource Stratification of NCCN Guidelines (NCCN Framework™)</th>
<th>A tool for health care providers to identify treatment options that will provide the best possible outcomes given specific resource constraints</th>
</tr>
</thead>
<tbody>
<tr>
<td>• 19 NCCN Framework™ are available</td>
<td></td>
</tr>
<tr>
<td>• Covers ~85% of all cancers worldwide</td>
<td></td>
</tr>
<tr>
<td>• Used widely around the world, including in a number of low- and middle-income countries where certain diagnostic tests and/or treatment approaches may be unavailable</td>
<td></td>
</tr>
<tr>
<td>• Free online at NCCN.org and via the NCCN Mobile App</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>NCCN Harmonized Guidelines™</th>
</tr>
</thead>
<tbody>
<tr>
<td>• for Sub-Saharan Africa</td>
</tr>
<tr>
<td>• for the Caribbean</td>
</tr>
<tr>
<td>Modified NCCN Guidelines targeted to regional resources</td>
</tr>
<tr>
<td>• Collaborative global effort to combat skyrocketing cancer rates and unique care circumstances</td>
</tr>
<tr>
<td>• Includes pragmatic approaches that provide effective treatment options for resource-constrained settings</td>
</tr>
<tr>
<td>• 39 NCCN Harmonized Guidelines™ for Sub-Saharan Africa are available</td>
</tr>
<tr>
<td>• Seven NCCN Harmonized Guidelines™ for the Caribbean are available</td>
</tr>
<tr>
<td>• Free online at NCCN.org and via the NCCN Mobile App</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>International Adaptations</th>
</tr>
</thead>
<tbody>
<tr>
<td>Modified NCCN Guidelines to aid clinicians in determining appropriate and effective avenues of care in a specified country or region of the world</td>
</tr>
<tr>
<td>• 25 NCCN Guidelines have been adapted</td>
</tr>
<tr>
<td>• Developed by the host country’s oncology thought leaders in conjunction with NCCN Guidelines Panel Members</td>
</tr>
<tr>
<td>• Account for metabolic differences in populations, accessibility of technology, and regulatory status of health care technologies</td>
</tr>
<tr>
<td>• Free online at NCCN.org and via the NCCN Mobile App</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>International Translations</th>
</tr>
</thead>
<tbody>
<tr>
<td>NCCN Guidelines translated from English</td>
</tr>
<tr>
<td>• 48 NCCN Guidelines and 16 derivative products have been translated into one or more languages</td>
</tr>
<tr>
<td>• NCCN content has been translated into 19 different languages</td>
</tr>
<tr>
<td>• Free online at NCCN.org and via the NCCN Mobile App</td>
</tr>
</tbody>
</table>
NCCN is committed to maintaining and growing a library of global resources to ensure that providers and patients have access to the most up-to-date standards in cancer care around the world. NCCN Guidelines have been downloaded in more than 180 countries, and NCCN content continues to gather momentum throughout all regions of the world.

**New in 2019**

NCCN, together with American Cancer Society, Clinton Health Access Initiative, and IBM, established Allied Against Cancer to further improve access to cancer treatment in Sub-Saharan Africa in collaboration with the African Cancer Coalition.

Representatives from NCCN worked with leaders in the Plurinational State of Bolivia to begin generating cancer treatment recommendations to fit the country’s unique needs. These new national guidelines will be based on the NCCN Framework™ which are themselves based on the NCCN Guidelines. These versions will be translated into Spanish and will be the first to be adapted to the specific cancer care circumstances in Bolivia (photo at right).


46.6% Registered users of NCCN Guidelines outside of the United States

25 International Adaptations

46 Total NCCN Harmonized Guidelines™

176 Total translations of the NCCN Guidelines and derivative products

19 NCCN Framework™
“We know different regions of the world have different needs when it comes to cancer care guidelines. At NCCN, we have recently placed an increasing focus on low- and-middle-income countries to make sure we are doing everything we can to improve standards for cancer care delivery and elevate outcomes for everybody.”

Wui-Jin Koh, MD, Senior Vice President, Chief Medical Officer, NCCN
“[The NCCN Guidelines for Patients are] the first piece of literature on my cancer that is detailed, thorough and extremely helpful. I’ve researched for information for more than 5 years & never found anything like this. It’s incredibly useful.”

Comment from the NCCN Guidelines for Patients Patient Survey
### NCCN Guidelines for Patients

Modified NCCN Guidelines written in plain language to help patients, families, and caregivers talk to clinicians about the best treatment options

- Comprehensive library of 42 Guidelines for Patients
- Free online at [NCCN.org/patientguidelines](http://NCCN.org/patientguidelines) and via the NCCN App

### Patient Webinars

NCCN Guidelines for Patients presented in a live online informational program

- Six patient webinars were held in 2019
- Presenters from multiple disciplines including providers, advocates, and patients
- Q&A section allows audience engagement
- Archived programs free online at [NCCN.org/patientvideos](http://NCCN.org/patientvideos)

### Global Language Translations

NCCN Guidelines for Patients translated from English

- NCCN Guidelines for Patients are available in nine languages
- Used by organizations around the world
- Free online at [NCCN.org/patientguidelines](http://NCCN.org/patientguidelines) and via the NCCN App

View additional patient resources in the NCCN Foundation Report beginning on page 46.
Research to Improve Quality Cancer Care
The NCCN Oncology Research Program (ORP) fosters innovation and knowledge discovery that improve the lives of patients with cancer.

To achieve this goal, the ORP works to develop new insights into cancer care delivery outcomes and quality, as well as working to identify solutions to barriers affecting optimal cancer management. The ORP also aims to increase opportunities for NCCN Member Institution faculty to participate in oncologic investigation and supports those who are, or will become, leaders in cancer research. Through presentations and/or publication in peer-reviewed journals, the ORP ensures the knowledge gained through the program is disseminated to the medical community at large. The ORP demonstrates that constructive, appropriate, and transparent collaboration between academia and industry results in valuable knowledge and improved cancer management.

The ORP facilitates the NCCN General Poster Session presented in conjunction with NCCN’s Annual Conference and oversees the NCCN Foundation Young Investigator Award (YIA) program.

New in 2019

NCCN’s Annual Conference featured its first session of oral poster presentations. The ORP looks forward to continuing to include this addition in NCCN Annual Conferences moving forward.

>3.2 million
Awarded to NCCN Member Institutions for research in 2019

131
Posters presented at the NCCN 2019 Annual Conference General Poster Session

7
Oral poster presentations at the NCCN 2019 Annual Conference
The NCCN 2019 Annual Conference included a new oral poster presentation session in which seven researchers presented their work. The presentations were among 131 different research posters presented across two days—the largest number of abstracts ever accepted at an NCCN Annual Conference. The posters were categorized as pre-clinical oncology, correlative/genomic, outcomes and health services research, and clinical oncology, with all categories well represented.
## Resources for Research

| **NCCN Informed Consent Language (ICL) Database** | Comprehensive resource to assist researchers and clinical operations personnel with writing and amending informed consents for study participants  
- Free access at NCCN.org |
| **NCCN Points to Consider on the Best Practices for Biorepositories, Registries and Databases** | Tool and resource for research investigators who plan to design, implement, and manage a research study which intends to deposit, transfer, and/or access specimens or data in a biorepository, registry, or database  
- Provides applicable principles, strategies, basic considerations, and best practices, with suggestions and examples to satisfy national and international standards, and funding agency and institutional requirements  
- Free access at NCCN.org |
| **NCCN Shared Resources Database** | Database through which investigators share more than 240 unique assets, including complex technologies, instrumentation facilities, human tissue specimens, animal models, and specialized databases  
- Enables collaborative research among cancer centers  
- Free access for registered users of NCCN.org |
NCCN ORP announced the following collaborations in 2019:

- Quality of Care and Clinical Care Pathways collaborations with AstraZeneca in ovarian cancer as well as non-small cell lung cancer (NSCLC). NCCN ORP will also provide oversight of these projects, which is a new model for the program.
- A $2 million research grant from Taiho Oncology to study futibatinib (TAS-120) in solid tumors
- A $2 million research grant from Taiho Oncology to study ASTX727 in hematologic malignancies as well as solid tumors
- Collaboration with Fox Chase Cancer Center and Genentech on a multi-institutional Phase II randomized I trial for Stage IV non-squamous NSCLC patients who harbor a sensitizing EGFR mutation or have never smoked
- Collaboration with Pfizer on a biosimilar project to improve the quality of care and best practices around treatment-related biosimilars
- Collaboration with Pfizer to develop a peer-reviewed grant program for clinical trials with axitinib in hepatocellular, melanoma, and colorectal cancers
NCCN ORP awarded funding to the following projects in 2019:

Allison Lipitz-Snyderman, PhD, and Erin Gillespie, MD  
Memorial Sloan Kettering Cancer Center  
Leveraging an Academic-Community Partnership Model to Improve the Quality of Radiation Treatment for Metastatic Breast Cancer Patients

Aki Morikawa, MD, PhD  
University of Michigan Rogel Cancer Center  
Personalized Multi-Care: A Tailored Approach to Multidisciplinary Care Coordination Delivery for Metastatic Breast Cancer Patients with Central Nervous System Metastases

Karen Lisa Smith, MD, MPH  
The Sidney Kimmel Comprehensive Cancer Center at Johns Hopkins  
The Johns Hopkins Metastatic Breast Cancer Partners Program: Collaborating to Improve Metastatic Breast Cancer Care

Laura Spring, MD  
Massachusetts General Hospital Cancer Center  
Expanding Precision Medicine for Patients with Metastatic Breast Cancer in the Community: Leveraging Academic Strength and Community Partnership

Nancy Lin, MD  
Dana-Farber Cancer Institute  
The EMBRACE Program: A Comprehensive Approach to Improve the Care of Patients with Metastatic Breast Cancer

Patrick Boland, MD  
Roswell Park Comprehensive Cancer Center  
A Phase II Study of TAS-102, Irinotecan and Bevacizumab in Pre-treated Metastatic Colorectal Cancer (TABAsCO)

Amit Mahipal, MBBS  
Mayo Clinic Cancer Center  
Phase II Trial of Trifluridine/Tipiracil in Combination with Irinotecan in Biliary Tract Cancers

Sarbajit Mukherjee, MD, MS  
Roswell Park Comprehensive Cancer Center  
Use of Trifluridine/Tipiracil and Oxaliplatin as Induction Chemotherapy in Resectable Esophageal and Gastroesophageal Junction (GEJ) Adenocarcinoma

Inan Olmez, MD  
The Ohio State University Comprehensive Cancer Center-James Cancer Hospital and Solove Research Institute  
A Preclinical Study of Abemaciclib in Combination with Merestinib against Breast Cancer Brain Metastases

Chenbo Zeng, MD  
Abramson Cancer Center at the University of Pennsylvania  
PET Imaging of Cell Cycle Arrest for Predicting Response to Abemaciclib Alone or in Combination with Endocrine Therapy
**JNCCN—Journal of the National Comprehensive Cancer Network** is dedicated to improving the quality of cancer care locally, nationally, and internationally while enhancing the collaboration between academic medicine and the community physician.

The journal provides the latest information about clinical best practices, oncology outcomes, new research initiatives, and scientific studies related to oncology health services. JNCCN features updates on the NCCN Guidelines, including the NCCN Guidelines Insights, which provide behind-the-scenes views into the NCCN Guidelines Panel discussions that lead to important updates.

**New in 2019**

The 2019 issues of JNCCN featured the journal’s redesigned style. The fresh new look incorporates artistic renderings on the cover, new heading colors by article type, and a streamlined table of contents.

The JNCCN.org website has added new features, including better search functionality, improved viewing experiences across all devices, a Twitter feed, and most cited and most read lists.

<table>
<thead>
<tr>
<th>73</th>
<th>Research articles published in 2019</th>
</tr>
</thead>
<tbody>
<tr>
<td>&gt;24,000</td>
<td>JNCCN readers</td>
</tr>
<tr>
<td>7.57</td>
<td>Impact factor measuring how frequently JNCCN is cited in other journals</td>
</tr>
</tbody>
</table>
## JNCCN Resources

### JNCCN—Journal of the National Comprehensive Cancer Network

Peer-reviewed, PubMed-indexed oncology journal
- 14 issues per year, including special editions on the NCCN Annual Conference and NCCN Annual Congress: Hematologic Malignancies™
- Available in print and online with a subscription

### JNCCN 360

An online resource that helps users quickly learn what’s new and important in the oncology world
- Organized by specific tumor type or disease and features links to key articles, trials, patient resources, videos, and more
- Spotlights focus on specific therapies with clinical recommendations, “pearls,” by practitioners who have hands-on experience with that therapy
- Free online at JNCCN360.org
Engaging Stakeholders with Accessible NCCN Content
NCCN recognizes and appreciates the significance of ensuring that stakeholders have access to NCCN Guidelines in whatever format they use – from the inclusion of NCCN content in Health Information Technology (HIT) to mobile apps and Pocket Guidelines that fit in a lab coat pocket.

NCCN works with outside organizations to disseminate NCCN content and engages key stakeholders to enhance collaborative efforts to expand awareness of NCCN programs and resources.

In addition, NCCN collaborates with public and private payers, employers, pharmacy benefits managers, and related organizations for effective and efficient use of the NCCN Guidelines and their derivatives for the development, implementation, and assessment of coverage and quality policies and programs.
Using the NCCN Guidelines at Point-of-Care

| NCCN Content in Health Information Technology (HIT) | Organizations use NCCN content in commercial products, including Health Information Technology (HIT), through permissions and licensing arrangements  
- 75 HIT companies licensed NCCN content in 2019 and can be viewed on NCCN.org |
| NCCN Content in Electronic Health Records (EHRs) | Organizations use NCCN content in electronic health records through licensing arrangements  
- Licensees of the NCCN Guidelines that provide decision support at point-of-care and NCCN Guideline concordance reporting include Flatiron Assist, Integra Connect, McKesson Specialty Health Clear Value PlusSM (CVP), Siemens Healthineers, and Varian’s 360 Oncology™  
- EHR companies that licensed NCCN Templates for point-of-care tools in 2019 include Cerner, CureMD, Epic, Flatiron OncoEMR, iKnowMed, IntegraCloud, and MEDITECH |
| NCCN Pocket Guidelines | Pocket-sized versions of the NCCN Guidelines that serve as a valuable reference tool  
- Consistently selected as a preferred format by NCCN Guidelines users  
- More than 60,000 distributed  
- Available for order on NCCN.org |
| NCCN Flash Updates™ | Timely outlines of the most recent updates to NCCN products and resources direct to subscribers’ and licensees’ inboxes  
- NCCN sent 224 Flash Updates via e-mail in 2019  
- More than 6,000 subscribers |
Alliance Devoted to Quality Care

Millions of people access the NCCN Guidelines and derivative products via handheld devices. NCCN provides three apps to facilitate easy access to the most up-to-date clinical content for oncology stakeholders.

Virtual Library of NCCN Guidelines App

The app provides an easy-to-use and convenient format to further assist health care professionals gain access to and implement the NCCN Guidelines. In 2019, a new version of the app was launched with additional search and sharing functions. The NCCN Guidelines for Patients will also be available in the app.

There were more than 3.2 million guidelines downloaded via the Virtual Library of NCCN Guidelines App in 2019.

NCCN Patient Guides for Cancer App

NCCN Guidelines for Patients can be accessed to help patients talk with their providers about the best treatment options available.

NCCN Reimbursement Resource App

Users are able to navigate the oncology reimbursement landscape and search for available resources and payment assistance programs. This app was also updated in 2019 to increase usability.
Key stakeholders at NCCN Academy discuss pressing issues in oncology and give pharmaceutical and biotechnology professionals a rare opportunity to view the oncology space, its future, and current operational issues.

Pictured: Various influencers discuss access to quality cancer care at the NCCN Academy for Excellence & Leadership in Oncology in Orlando, FL, March 2019.
## Programs to Engage Employers and Payers

| **Employer & Payer Initiatives** | **NCCN works with commercial insurers, employers, and purchasers to ensure their members are receiving high-quality cancer care**  
• NCCN Guidelines and derivatives are used for coverage determination for at least 85% of covered lives by CMS for Medicare, commercial insurers, payers, and purchasers |
|---|---|
| **NCCN Employer Forums** | **Employer stakeholders discuss the current state of oncology care and relevant healthcare issues**  
• The NCCN Employer Advisory Group includes employers, employer coalitions, and consultants that work with millions of employer-sponsored plans  
• The 2019 NCCN Employer Forum was held October 30, 2019 in Scottsdale, AZ |

## Programs to Engage Stakeholders

| **NCCN Academy for Excellence & Leadership in Oncology™** | **Live interactive program through which pharmaceutical and biotech professionals learn about pressing issues in oncology today and how to apply this knowledge**  
• Two 2019 meetings were held in Orlando, FL, and Scottsdale, AZ  
• 306 attendees |
|---|---|
| **NCCN Customized Academy for Excellence & Leadership in Oncology™** | **Opportunity to customize an NCCN Academy agenda that best aligns with organizations’ particular needs and interests**  
• Four NCCN Customized Academy programs were held in 2019  
• 300 attendees |
| **NCCN Global Academy for Excellence & Leadership in Oncology™** | **Live interactive program focused on pressing issues in the global oncology environment**  
• The 2019 meeting was held in September in Barcelona, Spain  
• 71 attendees |
| **NCCN Corporate Council** | **Members work to enhance collaborative efforts among pharmaceutical, biotechnology, and diagnostic companies and NCCN to better serve patients**  
• Two 2019 NCCN Corporate Council meetings were held in Orlando, FL, and Scottsdale, AZ  
• 86 members |
| **NCCN Global Corporate Council** | **Advances the development and expansion of NCCN Global programs by providing the opportunity for open dialogue, collaboration, and support of NCCN’s mission and vision outside the United States**  
• The 2019 meeting was held in September in Barcelona, Spain  
• 23 members |
Promoting Effective Policies
NCCN is committed to collaborating with healthcare and health policy stakeholders and leveraging expertise at Member Institutions to ensure NCCN effectively influences policy in support of our mission and vision.

To facilitate patient access to quality care as recommended by NCCN Guidelines, NCCN collaborates with stakeholders to improve and facilitate quality cancer care and ensure use of NCCN Guidelines in health policy and coverage determination and patient accessibility to guideline-concordant care.

New in 2019

NCCN formed a new NCCN Government Affairs Committee. Comprised of government affairs and health policy professionals at NCCN Member Institutions, the NCCN Government Affairs Committee serves as a forum for NCCN Member Institutions to contribute to the fulfillment of NCCN's annual policy priorities through the development and advancement of state and federal policy and advocacy activities.

Pictured from left: Robert W. Carlson, MD, Chief Executive Officer, NCCN; and Matthew Lesser, Deputy Majority Leader of the Connecticut State Senate and presenter at the session, Evolving Role of State Legislators in Ensuring Access to High-Quality Cancer Care, at the NCCN Policy Summit in Washington, DC, June 2019.

22 Articles, statements, comment letters, and endorsement letters written by the NCCN Policy team in 2019

40 State Oncology Societies engaged

22 Legislative visits in 2019
“It’s naive to assume that our cancer care is excellent without measuring it. We must be thoughtful in choosing measures that are relevant to meaningful quality and linked to patient outcomes. Measurements should be easily attainable without adding administrative burdens—ideally by extracting them from electronic health records or cancer registries, rather than by manual chart abstraction—and must be repeatedly measured with an approach geared toward continuous process improvement.”

Lawrence N. Shulman, MD, FACP, FASCO, Deputy Director for Clinical Services, Abramson Cancer Center at the University of Pennsylvania, a panelist at the September 2019 NCCN Policy Summit in Washington, DC.
## NCCN Policy Programs

Live multi-disciplinary meetings allow opportunities for discussion among oncology stakeholders to address relevant health policy concerns

| NCCN Policy Summits | The State of Cancer Care in America: The Impact of State Policy on Access to High-Quality Cancer Care  
June 27, 2019, Washington, DC  
• Explored the increasing role of state authorities in health policy decision-making and implications for patient access to high-quality cancer care  
• Included discussions on the current state regulatory environment governing insurance marketplaces and benefit design, variability across federal- and state-level health care coverage landscapes, and best practices for policy makers, providers, and patient advocates to protect patient access to high-quality cancer care within shifting legislative and regulatory environments  
• 172 participants |
|---|---|
|  | Defining, Measuring, and Applying Quality in an Evolving Health Policy Landscape and the Implications for Cancer Care  
September 12, 2019, Washington, DC  
• Presented diverse perspectives related to defining, measuring, and paying for quality as cancer care evolves to include increasingly innovative, personalized, and high-cost interventions  
• Experts discussed the role of oncology quality measures in policy decision-making, including how the patient experience is considered and applied in clinical decision-making  
• 155 participants |
| NCCN Patient Advocacy Summit | Delivering Value for Patients Across the Oncology Ecosystem  
December 11, 2019, Washington, DC  
• Assessed progress in the application of value across the healthcare ecosystem, utilization of tools, data collection efforts, and evaluation of continued challenges and next steps to promote patient-centered care  
• 180 participants |
| NCCN State Oncology Society Forum | NCCN State Oncology Society Forum  
March 23, 2019, Orlando, FL  
• Provided an opportunity to discuss utilization management tools, as well as hear policy updates on CMS’ coverage of CAR T-cell therapy and the impact that impending biosimilar adoption will have on cancer care  
• 35 societies participated |
Educating Efficient Cancer Care Teams
The NCCN Continuing Education Program is dedicated to improving patient outcomes by educating the interprofessional oncology care team on the application of evidence-based medicine and adherence to clinical practice guidelines.

The NCCN Continuing Education Program focuses on providing the tools necessary to improve the quality, effectiveness, and efficiency of cancer care in everyday practice to help patients with cancer. NCCN educational content covers more than 30 areas of cancer care, and participants can find options tailored by practice type and learning style.

New in 2019

In 2019, the NCCN Continuing Education Program introduced a new aspect, a Call for Cases, to the NCCN Annual Congress: Hematologic Malignancies™. The Call for Cases requested patient cases that were then presented at a panel discussion during the program.

Pictured: Judith A. Paice, PhD, RN, Robert H. Lurie Comprehensive Cancer Center of Northwestern University, presents “Managing Pain in Patients and Survivors: Challenges within the U.S. Opioid Crisis” at the NCCN 2019 Annual Conference in Orlando, FL, March 2019.

146 Educational activities in 2019
>48,000 Total participants in 2019 NCCN Continuing Education activities
>32,500 Continuing Education Credits earned by participants in 2019 NCCN Continuing Education activities
“We take advantage of any opportunity to improve the standard of care globally. That means listening to feedback and adapting the NCCN Guidelines to address unmet needs. It also means providing opportunities for medical education on the research that backs up the recommendations within those guidelines. Cancer management is getting more complex every day, and NCCN is there to help fill any knowledge or experience gaps.”

Robert W. Carlson, MD, Chief Executive Officer, NCCN
## Continuing Education Activities

All recordings posted at education.NCCN.org

<table>
<thead>
<tr>
<th><strong>NCCN 2019 Annual Conference</strong></th>
<th>Live annual meeting to share and discuss the latest cancer therapies and provide updates on selected NCCN Guidelines, the data upon which the NCCN Guidelines are based, and quality initiatives in oncology</th>
</tr>
</thead>
</table>
| NCCN 2019 Annual Conference  | NCCN 2019 Annual Conference  
March 21 – 23, 2019, Orlando, FL  
  - Conference attendees: 1,361  | Recorded webcast viewers: 4,165 |
| NCCN 2019 Nursing Program: Advancing Oncology Nursing™  
March 20, 2019, Orlando, FL  
  - Meeting attendees: 215 | Recorded webcast viewers 1,710 |
| NCCN 2019 Oncology Fellows Program: New Horizons in Quality Cancer Care™  
March 20, 2019, Orlando, FL  
  - Meeting attendees: 71 |
| NCCN Annual Conference Satellite Symposium:  
Collaborative Strategies to Ensure Optimal Application of the Latest Treatment Approaches in Hepatocellular Carcinoma  
March 21, 2019, Orlando, FL  
  - Meeting attendees: 184 | Recorded webcast viewers: 338 |
| NCCN Annual Conference Satellite Symposium: PARP Inhibitors in Breast Cancer:  
  Expert Perspectives on Clinical Application and Genetic Testing  
March 22, 2019, Orlando, FL  
  - Meeting attendees: 186 |

<table>
<thead>
<tr>
<th><strong>NCCN Annual Congress: Hematologic Malignancies™</strong></th>
<th>Live annual meeting where world-renowned experts in hematologic malignancies discuss the latest treatment advances, updates to the standard of care as recommended in NCCN Guidelines and unique and challenging patient cases</th>
</tr>
</thead>
</table>
| NCCN 2019 Annual Congress: Hematologic Malignancies™  
September 27 – 28, 2019, San Francisco, CA  
  - Meeting attendees: 535 | Recorded webcast viewers: 758 |
| NCCN 2019 Nursing Forum: Advancing Oncology Nursing in Hematologic Malignancies™  
September 27, 2019, San Francisco, CA  
  - Meeting attendees: 113 | Recorded webcast viewers: 188 |
| NCCN Annual Congress Satellite Symposium: Approaches to Individualized Treatment for Chronic Lymphocytic Leukemia  
September 28, 2019, San Francisco, CA  
  - Live meeting and simulcast held during NCCN Annual Congress: Hematologic Malignancies™  
  - Meeting/simulcast attendees: 167 | Recorded webcast viewers: 170 |
## Continuing Education Activities

*All recordings posted at education.NCCN.org*

<table>
<thead>
<tr>
<th>NCCN Congress Series™</th>
<th>Live small-group meetings held regionally by disease site to educate healthcare professionals on current and emerging scientific data that leads to evidence-based treatment decisions</th>
</tr>
</thead>
</table>
| NCCN 2019 Congress Series™: Breast Cancer with Updates from the 2018 San Antonio Breast Cancer Symposium  
  February 8, 2019, Chicago, IL  
  • Meeting attendees: 176  | Recorded webcast viewers 4,890 |
| NCCN 2019 Congress Series™: Lung Cancer  
  November 8, 2019, Baltimore, MD  
  • Meeting attendees: 76  | Recorded webcasts launched December 2019 |

| NCCN Monthly Oncology Tumor Board Series™: A Multidisciplinary Approach to Individualized Patient Care | Series of multidisciplinary case-based webinars on the management of patients with various cancer types  
  • 12 live webinars in 2019  
  • Webinar attendees: 3,071  | Recorded webcast viewers: 1,603 |

| NCCN Oncology Case Manager and Medical Director Program™ | Webinar series that provides cancer-specific clinical information and treatment guidelines to advance the quality and effectiveness of care for patients with cancer  
  • 11 live webinars in 2019  
  • Webinar attendees: 2,556  | Recorded webcast viewers: 1,797 |

| NCCN Guidelines® Insights | Summaries of select topics discussed by NCCN Guidelines Panels  
  • 12 articles published in *JNCCN*  
  • Participants: 3,773 |

| Management of Adverse Events from Cancer Immunotherapy: Resources for Emergency Medicine Specialists | Program intended for emergency medicine specialist physicians and other healthcare providers  
  • Online program posted at education.nccn.org (New in 2019!)  
  • Participants: 1,143 |
### Continuing Education Activities

All recordings posted at education.NCCN.org

<table>
<thead>
<tr>
<th>Topic</th>
<th>Event Type</th>
<th>Details</th>
</tr>
</thead>
</table>
| Expert Insights on New Systemic Therapies for Advanced Prostate Cancer | Satellite symposium and simulcast | May 3, 2019, Chicago, IL  
Meeting/simulcast attendees: 257  
Recorded webcast viewers: 690 |
| PARP Inhibitors in Breast Cancer: Expert Perspectives on Clinical Application and Genetic Testing | Satellite symposium | June 1, 2019, Chicago, IL  
Meeting attendees: 132  
Recorded webcast viewers: 895 |
Meeting attendees: 158 |
| AML: Expert Guidance on Current Standards and New Directions in Patient Care | Satellite symposium and simulcast | December 6, 2019, Orlando FL  
Meeting/simulcast attendees: 661  
Recorded webcast launched December 2019 |
| Approaches to Personalized Treatment for CLL: Expert Guidance on Sequencing Therapy and Novel Agents | Satellite symposium and simulcast | December 6, 2019, Orlando FL  
Meeting/simulcast attendees: 646  
Recorded webcast launched December 2019 |
NCCN Foundation®, 2019 Report

NCCN Foundation, the philanthropic arm of NCCN, empowers people living with cancer and advances oncology innovation by supporting the publication of NCCN Guidelines for Patients® and funding promising young investigators through the NCCN Foundation Young Investigator Award (YIA) Program.
Funding the NCCN Guidelines for Patients®

NCCN Guidelines for Patients are patient-friendly versions of the NCCN Guidelines. They are based on the same treatment information doctors use and help patients, families, and caregivers talk to clinicians about the best treatment options.

These step-by-step guides to the latest advances in cancer care feature:

- Questions to ask doctors
- Patient-friendly illustrations
- Glossaries of terms and acronyms

| 42 | Total NCCN Guidelines for Patients |
| 2  | New NCCN Guidelines for Patients in 2019 |
| 16 | Updated NCCN Guidelines for Patients in 2019 |
In 2019, NCCN Foundation made it possible for NCCN to publish NCCN Guidelines for Patients in two NEW disease sites and 16 updated patient guidelines and to provide three NEW patient webinar programs and 10 language translations.

**Cancer Type**
- Acute Lymphoblastic Leukemia
- Acute Myeloid Leukemia
- Bladder Cancer **NEW**
- Brain Cancer: Gliomas
- Breast Cancer: Noninvasive
- Breast Cancer: Invasive
- Breast Cancer: Metastatic
- Chronic Lymphocytic Leukemia
- Chronic Myeloid Leukemia
- Colon Cancer
- Esophageal Cancer
- Head and Neck Cancers: Oral Cancers
- Hepatobiliary Cancers: Liver, Gallbladder, and Bile Duct Cancers
- Hodgkin Lymphoma
- Kidney Cancer
- Lung Cancer: Early and Locally Advanced
- Lung Cancer: Metastatic
- Malignant Pleural Mesothelioma
- Melanoma
- Multiple Myeloma
- Myelodysplastic Syndromes
- Myeloproliferative Neoplasms
- Neuroendocrine Tumors

**Non-Hodgkin’s Lymphoma**
- Diffuse Large B-Cell Lymphoma
- Follicular Lymphoma
- Mantle Cell Lymphoma
- Mycosis Fungoides
- Peripheral T-Cell Lymphoma

**Supportive Care**
- Distress
- Nausea and Vomiting

**Cancer Screening**
- Lung Cancer Screening

**Age-Related**
- Adolescents and Young Adults (AYAs) with Cancer

**Language Translations**
- Breast Cancer: Noninvasive
- Breast Cancer: Invasive
- Breast Cancer: Metastatic
- Colon Cancer
- Kidney Cancer
- Lung Cancer: Early and Locally Advanced
- Lung Cancer: Metastatic
- Ovarian Cancer
- Stomach Cancer
- Thyroid Cancer
- Uterine Cancer: Endometrial Cancer, Uterine Sarcoma
- Waldenström’s Macroglobulinemia/Lymphoplasmacytic Lymphoma

**New in 2019**
- Bladder Cancer
- Non-Hodgkin’s Lymphoma
- Lung Cancer: Metastatic
- Soft Tissue Sarcoma
- Squamous Cell Skin Cancer **NEW**
- Stomach Cancer
- Thyroid Cancer
- Uterine Cancer: Endometrial Cancer, Uterine Sarcoma
- Waldenström’s Macroglobulinemia/Lymphoplasmacytic Lymphoma
The most frequently accessed NCCN Guidelines for Patients in 2019 were:

<table>
<thead>
<tr>
<th>NCCN Guidelines for Patients: Prostate Cancer</th>
<th>Page Views</th>
<th>Users</th>
</tr>
</thead>
<tbody>
<tr>
<td>NCCN Guidelines for Patients: Invasive Breast Cancer</td>
<td>&gt; 1,663,500</td>
<td>&gt; 40,500</td>
</tr>
<tr>
<td>NCCN Guidelines for Patients: Colon Cancer</td>
<td>&gt; 1,199,300</td>
<td>&gt; 35,500</td>
</tr>
<tr>
<td>NCCN Guidelines for Patients: Melanoma</td>
<td>&gt; 639,400</td>
<td>&gt; 19,500</td>
</tr>
<tr>
<td>NCCN Guidelines for Patients: Melanoma</td>
<td>&gt; 578,900</td>
<td>&gt; 21,800</td>
</tr>
</tbody>
</table>

Growing Outreach with Collaborators

NCCN Foundation works with more than 100 patient advocacy organizations to collaborate on the NCCN Guidelines for Patients. In 2019, six organizations were featured as sponsors, helping to support the books.

Growing Patient Webinars

NCCN provides free Know What Your Doctors Know webinars for people living with cancer and their caregivers. These live informational programs are created in conjunction with NCCN Guidelines for Patients and supported by the NCCN Foundation and generous donors. The webinars are also recorded and posted for anyone to view afterward as a value to future patients.

764 Participants who attended six patient webinar sessions in 2019

>100 Agreements to collaborate on and support the NCCN Guidelines for Patients
[The Young Investigator Awards] provide funding and study support to some of the most promising early-career cancer researchers from across the 28 leading academic cancer centers that comprise NCCN. Past recipients were on-hand at the NCCN 2019 Annual Conference to present their findings as posters and oral presentations, reflecting the conference’s expanding focus on original research.

Pictured: Liquin Zhu, PhD, a 2017 Young Investigator Awardee, presented her findings at the NCCN 2019 Annual Conference in Orlando, FL, March 2019.
Funding the NCCN Foundation Young Investigator Award (YIA) Program

Since the program’s inception in 2011, the NCCN Foundation has awarded more than $6.5 million to 45 young investigators from NCCN Member Institutions.

The NCCN Foundation YIA Program works with the NCCN Oncology Research Program to identify and nominate the most promising young investigators representing NCCN Member Institutions. Selected young investigators receive vital funding for cancer research to spur treatment innovation and career advancement. Awardee research is highlighted in many scientific healthcare publications and journals.

In 2019, YIA funders included AbbVie Inc, AstraZeneca Pharmaceuticals LP, Genentech, Inc., Incyte Corporation, Merck Sharp & Dohme Corp., and Pfizer Inc. Together, the YIA program was granted $600,000 for research on immunotherapy in merkel cell carcinoma, end-of-life care for children with cancer, peer-to-peer support for head and neck cancer patients, and the early detection of cancer.
2019 YIA Awardees

Prasanna Ananth, MD, MPH
Yale Cancer Center/
Smilow Cancer Hospital
Establishing Benchmarks for High-Quality End-of-Life Care in Children with Cancer

Jaehyuk Choi, MD, PhD
Robert H. Lurie Comprehensive Cancer Center of Northwestern University
Genomic Determinants of Responses to Immunotherapy in Merkel Cell Carcinoma

Kedar Kirtane, MD
Moffitt Cancer Center
Feasibility of a Digitized Peer-to-Peer Patient Support System for Patients with Locally Advanced Head and Neck Cancer Undergoing Chemoradiation

Yanming Li, PhD
University of Michigan Rogel Cancer Center
Network Genome-Wide Association Studies for Early Detection of Cancers
NCCN Foundation Leadership

Board of Directors

The NCCN Foundation Board of Directors comprises volunteers with diverse backgrounds and experiences, all of whom share a passion for the mission of the NCCN Foundation. They generously volunteer their time to make a difference in the lives of patients with cancer.

NCCN Board of Directors pictured from left: Jack Gentile, Secretary; Robert C. Young, MD; Al B. Benson III, MD, FACP, FASCO; Denise Reinke, MS, NP, MBA; Susan Stein, MPH; Gena Cook, Chair; Michael Parisi, MBA, MA; Marc Samuels, JD, MPH; and Thomas A. D’Amico, MD. Not pictured: Ray Lynch, CPA, MBA, Treasurer; Deborah Morosini, MD, and Sara Silacci.
### NCCN Foundation Board of Directors

- **Gena Cook / Chair**
  - Navigating Cancer
- **Jack Gentile / Secretary**
  - Harborside Press, LLC
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  - RCY Medicine

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- **Gena Cook**
  - Navigating Cancer
- **Ray Lynch, CPA, MBA**
  - Fox Chase Cancer Center
- **Susan Stein, MPH**
  - Agios Pharmaceuticals

### 2019 Individual Donors

NCCN Foundation gratefully recognizes support from the following individuals:

#### $10,000 or more

- Stacey Starcher & Robert W. Carlson, MD
- Anthony Cutrone
- Susan & William Federici
- Gerry & Jack Gentile
- Wui-Jin Koh, MD
- Connor Lynch

#### $5,000 - $9,999

- Kristina Gregory, MSN, RN, OCN
- Crystal Denlinger, MD, FACP
- Ronald Walters, MD, MBA, MHA, MS
- Marc Samuels, JD, MPH

#### $1,000 - $4,999

- Anonymous
- Joel Beetsch
- Alannah Fitch, PhD & Al Benson III, MD, FACP, FASCO
- Jason Carter
- Gena & Dan Cook
- Lisa & Thomas D’Amico, MD
- Carol & Louis Della Penna
- Timothy J. and Kimberley A. Eberlein, MD
- Stephen Edge, MD, FACS, FASCO
- Yvonne Efebeira, MD, MPH
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- Ilana Feuchter
- Lyn & Steve Fitzgerald
- Leo Gordon, MD
- Marianne & Donald Green
- Albert Kraus
- Drew Lee
- John Lurain, MD
- Lisa Kimbro & Ray Lynch
- Jennifer Malin, MD, PhD
- Marilyn & James Mohler

#### $500 - $999

- Benjamin Anderson, MD
- Eileen Boscia
- Kenneth Cowan, MD, PhD
- Kristina Griffin
- Melissa Hudson, MD
- Peng Liang
- Donna Moncuso
- Deborah Morosini, MD
- Lori Pickens, MHA
- The Reverend Sean & Dr. Laura Slack
- Susan Stein, MPH
- Estate of Cameron Wasson

### Additional Supporters

- Patricia Andrews
- Anonymous
- Lindsay Bandini
- Kim Bayer
- Sarah Bean, MD
- Mary Ellen Benetz
- Kieran Berkery
- Marian Birkeland
- Donna Black
- Michael Blake
- Mara Bloom
- Myoung & David Bondy

Gifts recognized in this 2019 annual report represent new gifts from January 1, 2019 to December 31, 2019. We make every effort to accurately acknowledge all gifts.
2019 Patient Advocacy Organization Supporters

Aleksandra
American Thyroid Association
Be the Match®
The Bill Project Foundation
Blood & Marrow Transplant Information Network (BMT infoNet)
BreastCancer.org
Breast Cancer Alliance
California Prostate Cancer Coalition
CLL Society
Debbie’s Dream Foundation:
Curing Stomach Cancer
DiePc Foundation
FORCE: Facing Our Risk of Cancer Empowered
Good Days
Hope for Stomach Cancer
Kidney Cancer Association
Let’s Win! Pancreatic Cancer Foundation
The Leukemia & Lymphoma Society (LLS)
The Life Raft Group
The Lustgarten Foundation
Malecare
Multiple Myeloma Research Foundation
National Alliance of State Prostate Cancer Coalitions (NASPCC)
National Ovarian Cancer Coalition, Inc. (NOCC)
The National Pancreas Foundation
National Prostate Cancer Awareness Foundation, Inc. (PCaAware)
National Bone Marrow Transplant Link (nbmtLINK)
No Stomach for Cancer
Oral Cancer Foundation
Ovarian and Breast Cancer Alliance Of Washington State
Ovarian Cancer Research Alliance
Pancreatic Cancer Action Network
Sharsheret
Stupid Cancer

Support for People with Oral and Head and Neck Cancer (SPOHNC)
THANC Foundation
ThyCa: Thyroid Cancer Survivors’ Association, Inc
Thyroid Care Collaborative
Urology Care Foundation
Veterans Prostate Cancer Awareness
Zero - The End of Prostate Cancer

“[NCCN Guidelines for Patients] gave me information that I lacked concerning the diagnosis given me so I can now ask intelligent questions. It also gave me an idea of what to expect with treatments.”

“This is the best info I found on the internet for the layman concerning medical issues. It actually is comforting to understand what is happening with this disease and its treatment(s). Thank you!!!!”

Comments from the NCCN Guidelines for Patients Patient Survey

Gifts recognized in this 2019 annual report represent new gifts from January 1, 2019 to December 31, 2019. We make every effort to accurately acknowledge all gifts.
NCCN Leadership
2019 Awardees

Every year, NCCN recognizes outstanding contributions from team members.

**Rodger Winn Award**
Presented to a faculty member who embodies Dr. Winn's enthusiasm, love of life, and dedication and commitment to the development of evidence-based guidelines tempered by expert judgment.

**Richard Hoppe, MD**
*Stanford Cancer Institute*

**Board of Producers Awards**
Given to individuals who, over the past year, have exceeded expectations and provided exemplary service in helping NCCN achieve its mission through their passion to improve the care of people with cancer.

**Timothy J. Eberlein, MD**
*Siteman Cancer Center at Barnes-Jewish Hospital and Washington University School of Medicine*

**Partners in Cancer Care Award**
Recognizes an individual outside NCCN Member Institutions who has made major contributions to the success of NCCN.

**Michael Kolodziej, MD**
*ADVI*

**Pat Daulerio Employee of the Year Award**
Recognizes an individual on NCCN Staff who has made major contributions to the success of NCCN.

**Jennifer Burns**
*NCCN*
NCCN Leadership

In March, Dr. Ronald Walters, Associate Head for the Institute for Cancer Care Innovation and a breast cancer oncologist at The University of Texas MD Anderson Cancer Center, was elected chair of the Board and Dr. Ruth O’Regan, Division Head of Hematology and Oncology and Associate Director for Clinical Research at the University of Wisconsin Carbone Cancer Center, was elected Vice-Chair. “NCCN's mission aligns perfectly with my personal efforts to make sure people with cancer everywhere receive high-quality care,” said Dr. Walters. “I'm honored to take on an even larger role in ensuring providers can utilize NCCN Guidelines and best practice standards to elevate care worldwide.”

From the NCCN leadership team pictured from left: Gary Weyhmuller, MBA, SPHR, Chief Operating Officer, NCCN; Ronald S. Walters, MD, MBA, MHA, MS, Chair, NCCN Board of Directors; Ruth M. O’Regan, MD, Vice-Chair, NCCN Board of Directors; Robert W. Carlson, MD, Chief Executive Officer, NCCN; Wui-Jin Koh, MD, Senior Vice President, Chief Medical Officer, NCCN.
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Dana-Farber/Brighton and Women’s Cancer Center | Massachusetts General Hospital Cancer Center

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Vanderbilt-Ingram Cancer Center

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Fred Hutchinson Cancer Research Center/Seattle Cancer Care Alliance

Stephen Oh, MD, PhD
Siteman Cancer Center at Barnes-Jewish Hospital and Washington University School of Medicine

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Mayo Clinic Cancer Center

Nikolai Podoltsev, MD, PhD
Yale Cancer Center/Smolow Cancer Hospital

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St. Jude Children’s Research Hospital/The University of Tennessee Health Science Center
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The Sidney Kimmel Comprehensive Cancer Center at Johns Hopkins
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Stanford Cancer Institute

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St. Jude Children’s Research Hospital  
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Cancer Research Center/Seattle Cancer Care Alliance

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Duke Cancer Institute

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Mayo Clinic Cancer Center

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**Devang B. Patel, MD**  
Dana-Farber/B. Brigham and Women’s Cancer Center | Massachusetts General Hospital Cancer Center

**M. E. Saltz, MD**  
Memorial Sloan Kettering Cancer Center

**Chuan Jiang, MD, PhD**  
Vanderbilt-Ingram Cancer Center

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University of Michigan Rogel Cancer Center

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Duke Cancer Institute

**George B. Stewart, MD, MS**  
City of Hope National Medical Center

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Mayo Clinic Cancer Center

**Ovarian Cancer**

**Devang B. Patel, MD**  
Dana-Farber/B. Brigham and Women’s Cancer Center | Massachusetts General Hospital Cancer Center

**M. E. Saltz, MD**  
Memorial Sloan Kettering Cancer Center

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Vanderbilt-Ingram Cancer Center

**Jeffrey B. Smerage, MD, PhD**  
University of Michigan Rogel Cancer Center

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UCSF Helen Diller Family Comprehensive Cancer Center

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City of Hope National Medical Center

**Eric L. Eisenhauer, MD**  
 Dana-Farber/B Brigham and Women’s Cancer Center | Massachusetts General Hospital Cancer Center

**David C. ElNaggar, MD**  
St. Jude Children’s Research Hospital  
The University of Tennessee Health Science Center

**David Gershenson, MD**  
The University of Texas  
MD Anderson Cancer Center

**Heidi J. Gray, MD**  
Cancer Research Center/Seattle Cancer Care Alliance

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O’Neal Comprehensive Cancer Center at UAB

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Dana-Farber/B. Brigham and Women’s Cancer Center | Massachusetts General Hospital Cancer Center

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Cancer Research Center/Seattle Cancer Care Alliance

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Dana-Farber/B. Brigham and Women’s Cancer Center | Massachusetts General Hospital Cancer Center

**Elena Rathner, MD**  
Yale Cancer Center/Smitchow Cancer Hospital

**Steven W. Remmenga, MD**  
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William G. Hawkins, MD

Siteman Cancer Center at Barnes-Jewish Hospital and Washington University School of Medicine

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UCSF Helen Diller Family Comprehensive Cancer Center

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Seattle Cancer Care Alliance

Rabira Hanna, MD
Case Comprehensive Cancer Center/
University Hospitals Seidman Cancer Center and Cleveland Clinic Taussig Cancer Institute

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Dana-Farber/Brigham and Women’s Cancer Center | Massachusetts General Hospital Cancer Center

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Anthony N. Audino, MD
The Ohio State University Comprehensive Cancer Center - James Cancer Hospital and Solove Research Institute

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Vanderbilt-Ingram Cancer Center

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Siteman Cancer Center at Barnes-Jewish Hospital and Washington University School of Medicine

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Vanderbilt-Ingram Cancer Center

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Memorial Sloan Kettering Cancer Center

Edward Kim, MD
Fred Hutchinson Cancer Research Center / Seattle Cancer Care Alliance

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UCSF Helen Diller Family Comprehensive Cancer Center

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Dana-Farber/Brigham and Women’s Cancer Center | Massachusetts General Hospital Cancer Center

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Abramson Cancer Center at the University of Pennsylvania

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The University of Texas MD Anderson Cancer Center

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St. Jude Children’s Research Hospital / The University of Tennessee Health Science Center

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St. Jude Children’s Research Hospital / The University of Tennessee Health Science Center

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The Sidney Kimmel Comprehensive Cancer Center at Johns Hopkins

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The University of Tennessee Health Science Center

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Huntsman Cancer Institute
at the University of Utah

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at the University of Pennsylvania

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O’Neal Comprehensive Cancer Center at UAB

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Seattle Cancer Care Alliance

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Stanford Cancer Institute

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Erin Murphy, MD
Case Comprehensive Cancer Center/
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The Ohio State University Comprehensive Cancer Center - James Cancer Hospital and Solove Research Institute

Daniel S. Rhee, MD, MPH, FACS
The Sidney Kimmel Comprehensive Cancer Center at Johns Hopkins

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Roswell Park Comprehensive Cancer Center

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Breast Cancer Risk Reduction

Therese B. Bevers, MD / Chair
The University of Texas
MD Anderson Cancer Center

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Fox Chase Cancer Center

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University of Michigan Rogel Cancer Center

NCCN Guidelines for Detection, Prevention, & Risk Reduction

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The University of Texas
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University of Michigan Rogel Cancer Center

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Roswell Park Comprehensive Cancer Center

Melissa Camp, MD
The Sidney Kimmel Comprehensive Cancer Center at Johns Hopkins

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Dana-Farber/Brigham and Women’s Cancer Center | Massachusetts General Hospital Cancer Center

Emily F. Conant, MD
Abramson Cancer Center at the University of Pennsylvania

Mary B. Daly, MD, PhD, FACP
Fox Chase Cancer Center

Constance Dobins Lehman, MD, PhD
Dana-Farber/Brigham and Women’s Cancer Center | Massachusetts General Hospital Cancer Center

William B. Farrar, MD
The Ohio State University Comprehensive Cancer Center - James Cancer Hospital and Solove Research Institute

Meghan R. Flanagan, MD, MPH
Fred Hutchinson Cancer Research Center Research Advocacy Network

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University of Wisconsin Carbone Cancer Center

Lusine Tunyan, MD
City of Hope National Medical Center

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Siteman Cancer Center at Barnes-Jewish Hospital and Washington University School of Medicine

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Case Comprehensive Cancer Center/University Hospitals Seidman Cancer Center and Cleveland Clinic Taussig Cancer Institute

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Yale Cancer Center/Smilow Cancer Hospital

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Duke Cancer Institute

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Stanford Cancer Institute

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City of Hope National Medical Center

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Moffett Cancer Center

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MD Anderson Cancer Center

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Siteman Cancer Center at Barnes-Jewish Hospital and Washington University School of Medicine

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Mayo Clinic Cancer Center

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Duke Cancer Institute

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Research Advocacy Network

Robert A. Strigel, MD, MS
University of Wisconsin Carbone Cancer Center

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Huntsman Cancer Institute at the University of Utah

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Case Comprehensive Cancer Center/University Hospitals Seidman Cancer Center and Cleveland Clinic Taussig Cancer Institute

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Siteman Cancer Center at Barnes-Jewish Hospital and Washington University School of Medicine

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Moffitt Cancer Center

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Fox Chase Cancer Center
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University of Wisconsin Carbone Cancer Center
Matthew B. Yurgelun, MD
Dana-Farber/Brigham and Women's Cancer Center/Massachusetts General Hospital Cancer Center

Genetic/Familial High-Risk Assessment: Colorectal
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UC San Diego Moores Cancer Center
Jennifer M. Weiss, MD, MS / Vice-Chair
University of Wisconsin Carbone Cancer Center
Lisen Axell, MS
University of Colorado Cancer Center
Julie S. Mak, MS, MSc
UCSF Helen Diller Family Comprehensive Cancer Center
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Fred Hutchinson Cancer Research Center/Seattle Cancer Care Alliance
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Memorial Sloan Kettering Cancer Center
Tuya Pal, MD
Vanderbilt-Ingram Cancer Center
Holly J. Pederson, MD
Case Comprehensive Cancer Center/University Hospitals Seidman Cancer Center and Cleveland Clinic Taussig Cancer Institute
Gwen Reiser, MS, CGC
Fred & Pamela Buffett Cancer Center
Kristen M. Shannon, MS, CGC
Dana-Farber/Brigham and Women's Cancer Center/Massachusetts General Hospital Cancer Center
Rebecca Shaftsly, MD
UC San Diego Moores Cancer Center
Kali Viswanathan, MD, MHS
The Sidney Kimmel Comprehensive Cancer Center at Johns Hopkins

Carol A. Burke, MD
Case Comprehensive Cancer Center
University Hospitals Seidman Cancer Center and Cleveland Clinic Taussig Cancer Institute
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O'Neal Comprehensive Cancer Center at UAB
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The Sidney Kimmel Comprehensive Cancer Center at Johns Hopkins
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Fred Hutchinson Cancer Research Center/Seattle Cancer Care Alliance
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The Ohio State University Comprehensive Cancer Center - James Cancer Hospital and Solove Research Institute
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Vanderbilt-Ingram Cancer Center
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Moffitt Cancer Center
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University of Michigan Rogel Cancer Center

Scott Baun, MD
St. Jude Children’s Research Hospital/The University of Tennessee Health Science Center
Georgie A. Eapen, MD
The University of Texas MD Anderson Cancer Center
David S. Ettinger, MD, FACCP, FCCP
The Sidney Kimmel Comprehensive Cancer Center at Johns Hopkins
J. Scott Ferguson, MD
University of Wisconsin Carbone Cancer Center
Lilang Hou, MD, PhD
Robert H. Lurie Comprehensive Cancer Center of Northwestern University

Donald Klippenstein, MD
Moffitt Cancer Center
Rohit Kumar, MD
Moffitt Cancer Center
Rudy P. Lackner, MD
Fred & Pamela Buffett Cancer Center
Lorriana E. Leard, MD
UCSF Helen Diller Family Comprehensive Cancer Center
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Dana-Farber/Brigham and Women’s Cancer Center | Massachusetts General Hospital Cancer Center
Ann N. Leung, MD
Stanford Cancer Institute

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Robert A. Swarm, MD / Chair
Siteman Cancer Center at Barnes-Jewish Hospital and Washington University School of Medicine

Jeanie M. Younghusband, MD / Vice-Chair
University of Colorado Cancer Center
Doralina L. Anghelescu, MD
St. Jude Children’s Research Hospital/The University of Tennessee Health Science Center
Madhuri Are, MD
Fred & Pamela Buffett Cancer Center
Sorin Buga, MD, FAAHFM, FACP
City of Hope National Medical Center

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Fox Chase Cancer Center

Charles S. Cleeland, PhD
The University of Texas MD Anderson Cancer Center

David Craig, PharmD
Moffitt Cancer Center

Ellin Gafford, MD
The Ohio State University Comprehensive Cancer Center - James Cancer Hospital and Solove Research Institute

Heather Greenlee, MD, PhD
Fred Hutchinson Cancer Research Center/Seattle Cancer Care Alliance

Eric Hansen, MD
Roswell Park Comprehensive Cancer Center

Arif Kamal, MD
Duke Cancer Institute

Mitli M. Kamdar, MD
Dana-Farber/Brigham and Women’s Cancer Center | Massachusetts General Hospital Cancer Center

Susan LeGrand, MD
Case Comprehensive Cancer Center/University Hospitals Seidman Cancer Center and Cleveland Clinic Taussig Cancer Institute

Sean Mackey, MD, PhD
Stanford Cancer Institute

Mary R. McDowell, MSN, ACNP-BC
Vanderbilt-Ingram Cancer Center

Natalie Moryl, MD
Memorial Sloan Kettering Cancer Center

Lisle M. Nabil, MD
O’Neal Comprehensive Cancer Center at UAB

Suzanne A. Nesbit, PharmD, BCPS
The Sidney Kimmel Comprehensive Cancer Center at Johns Hopkins

Nina O’Connor, MD
Abramson Cancer Center at the University of Pennsylvania

Judith A. Paice, PhD, RN, FAAN
Robert H. Lurie Comprehensive Cancer Center of Northwestern University

Michael W. Rabow, MD
UCSF Helen Diller Family Comprehensive Cancer Center

Elizabeth M. Rickerson, MD
Dana-Farber/Brigham and Women’s Cancer Center | Massachusetts General Hospital Cancer Center

Rebecca Shatsky, MD
UC San Diego Moores Cancer Center

Jill Sindt, MD
Huntsman Cancer Institute at the University of Utah

Michael A. Smith, PharmD
University of Michigan Rogel Cancer Center

Justine Yang Bruce, MD
University of Wisconsin Carbone Cancer Center

Antiemesis

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The Ohio State University Comprehensive Cancer Center - James Cancer Hospital and Solove Research Institute

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Duke Cancer Institute

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University of Wisconsin Carbone Cancer Center

Debra Brandt, DO
Yale Cancer Center/Smilow Cancer Hospital

George E. Brown, MS, RPh, BCOP
Case Comprehensive Cancer Center/University Hospitals Seidman Cancer Center and Cleveland Clinic Taussig Cancer Institute

Jennie R. Crews, MD
Fred Hutchinson Cancer Research Center/Seattle Cancer Care Alliance

Eun Jeong Kim, PharmD, MS, BCOP, BCPS
Stanford Cancer Institute

Steven Kirkegaard, PharmD
Huntsman Cancer Institute at the University of Utah

Dwight D. Kloth, PharmD, BCOP, FCCP
Fox Chase Cancer Center

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City of Hope National Medical Center

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 Mayo Clinic Cancer Center

Cynthia X. Ma, MD, PhD
Siteman Cancer Center at Barnes-Jewish Hospital and Washington University School of Medicine

Victoria Maurer, MSN, OCN
Robert H. Lurie Comprehensive Cancer Center of Northwestern University

Renee McAlister, PharmD, BCOP
Vanderbilt-Ingram Cancer Center

Rutika Mehta, MD, MPH
Moffitt Cancer Center

Laura Boehnke Michaud, PharmD, BCOP, OMQ, FASHP
The University of Texas MD Anderson Cancer Center

Rudolph M. Navari, MD, PhD, FACP
O’Neal Comprehensive Cancer Center at UAB

Kimberly Noonan, DNP, RN, ANP, AOCNP
Dana-Farber/Brigham and Women’s Cancer Center | Massachusetts General Hospital Cancer Center

Grazyna Riebandt, PharmD, BCOP
Roswell Park Comprehensive Cancer Center

Eric Roelands, MD
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Cynthia X. Ma, MD, PhD
Siteman Cancer Center at Barnes-Jewish Hospital and Washington University School of Medicine

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O’Neal Comprehensive Cancer Center at UAB

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Dana-Farber/Brigham and Women’s Cancer Center | Massachusetts General Hospital Cancer Center

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The University of Texas MD Anderson Cancer Center

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Dana-Farber/Brigham and Women’s Cancer Center | Massachusetts General Hospital Cancer Center

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National Blood Clot Alliance

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UCSF Helen Diller Family Comprehensive Cancer Center

Alfred Lee, MD, PhD
Yale Cancer Center/Smilow Cancer Hospital

Jason T. Lee, MD
Stanford Cancer Institute

Janelle E. Mann, PharmD, BCOP
Siteman Cancer Center at Barnes-Jewish Hospital and Washington University School of Medicine

Brandon McMahon, MD
University of Colorado Cancer Center

Colleen Morton, MD, MBChB
Vanderbilt-Ingram Cancer Center

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Duke Cancer Institute

Rita Paschal, MD
O’Neal Comprehensive Cancer Center at UAB

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Fred Hutchinson Cancer Research Center/Seattle Cancer Care Alliance

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Fred Hutchinson Cancer Research Center/Seattle Cancer Care Alliance

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University of Michigan Comprehensive Cancer Center

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The University of Texas MD Anderson Cancer Center

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UC San Diego Moores Cancer Center

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Ashley Hicks, PharmD, BCOP
University of Wisconsin Comprehensive Cancer Center

Ayyakka Kallam, MD, MBBS
Fred & Pamela Buffett Cancer Center

Wajih Zaheer Kidwai, MD
Yale Cancer Center/Smilow Cancer Hospital

Dwight D. Kloth, PharmD, BCOP, FCCP
Fox Chase Cancer Center

Julianna Roddy, PharmD, BCOP
The Ohio State University Comprehensive Cancer Center - James Cancer Hospital and Solove Research Institute

Mark A. Schroeder, MD
Siteman Cancer Center at Barnes-Jewish Hospital and Washington University School of Medicine

Mark A. Miller, PharmD
Vanderbilt-Ingram Cancer Center

Eric H. Kraut, MD
The Ohio State University Comprehensive Cancer Center - James Cancer Hospital and Solove Research Institute

Shivon Patel, MD, MBA
Huntsman Cancer Institute at the University of Utah

Lia E. Perez, MD
Moffitt Cancer Center

Adam Poust, PharmD
University of Colorado Cancer Center

Rachel Rosovsky, MD, MPH
Dana-Farber/Brigham and Women's Cancer Center | Massachusetts General Hospital Cancer Center

Vivik Roy, MD
Mayo Clinic Cancer Center

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UCSF Helen Diller Family Comprehensive Cancer Center

Sudipto Mukherjee, MD, PhD
Case Comprehensive Cancer Center/University Hospitals Seidman Cancer Center and Cleveland Clinic Taussig Cancer Institute

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The Sidney Kimmel Comprehensive Cancer Center at Johns Hopkins

Benjamin H. Kaffenberger, MD
Dana-Farber/Brigham and Women’s Cancer Center | Massachusetts General Hospital Cancer Center

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Dana-Farber Cancer Institute

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Fred Hutchinson Cancer Research Center/Seattle Cancer Care Alliance

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City of Hope National Medical Center

Luciano Costa, MD, PhD
O’Neal Comprehensive Cancer Center at UAB

Marianne Davids, DNP, RN, ACNP-BC, AOCNP, CNS
Yale Cancer Center/Smilow Cancer Hospital

David Dunnington, MA
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Matthew Frigault, MD, MSc
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Benjamin H. Kaffenberger, MD
The Ohio State University Comprehensive Cancer Center - James Cancer Hospital and Solove Research Institute

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Abramson Cancer Center at the University of Pennsylvania

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Huntsman Cancer Institute at the University of Pennsylvania

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Robert H. Lurie Comprehensive Cancer Center of Northwestern University

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University of Michigan Rogel Cancer Center

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Fred & Pamela Buffett Cancer Center

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Moffitt Cancer Center

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Vanderbilt-Ingram Cancer Center

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Antonio Di Stasi, MD
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Memorial Sloan Kettering Cancer Center

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University of Colorado Cancer Center

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Dana-Farber Cancer Institute

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Hospital Cancer Center

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Stanford Cancer Institute

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University of Wisconsin Carbone Cancer Center

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Mayo Clinic Cancer Center

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Abramson Cancer Center at the University of Pennsylvania

Javier Meade, MD
The Sidney Kimmel Comprehensive Cancer Center at Johns Hopkins

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Fred Hutchinson Cancer Research Center/Seattle Cancer Care Alliance

Jonathan Moreira, MD
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Ryotaro Nakamura, MD
City of Hope National Medical Center

Yago Nieto, MD, PhD
The University of Texas MD Anderson Cancer Center

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Siteman Cancer Center at Barnes-Jewish Hospital and Washington University School of Medicine

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Huntsman Cancer Institute

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University of Wisconsin Carbone Cancer Center

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Mayo Clinic Cancer Center

Amy A. Case, MD, FAHAHPM
Roswell Park Comprehensive Cancer Center

Shalini Dalal, MD
The University of Texas MD Anderson Cancer Center

Danielle J. Doberman, MD
The Sidney Kimmel Comprehensive Cancer Center at Johns Hopkins

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Memorial Sloan Kettering Cancer Center

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University of Michigan Rogel Cancer Center

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Abramson Cancer Center at the University of Pennsylvania

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Yale Cancer Center/Smilar Cancer Hospital

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Case Comprehensive Cancer Center/University Hospitals Seidman Cancer Center and Cleveland Clinic Taussig Cancer Institute

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Fred Hutchinson Cancer Research Center/Seattle Cancer Care Alliance

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O’Neal Comprehensive Cancer Center at UAB

Charles Miller, MD
The Ohio State University Comprehensive Cancer Center - James Cancer Hospital and Solove Research Institute

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Vanderbilt-Ingram Cancer Center

William Mitchell, MD
UC San Diego Moores Cancer Center

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Moffitt Cancer Center

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Duke Cancer Institute

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Dana-Farber/Brigham and Women’s Cancer Center | Massachusetts General Hospital Cancer Center

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City of Hope National Medical Center

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Roswell Park Comprehensive Cancer Center

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Robert H. Lurie Comprehensive Cancer Center of Northwestern University

Gayle Blouin, PharmD, BCOP
Dana-Farber/Brigham and Women’s Cancer Center | Massachusetts General Hospital Cancer Center

Brian Buss, PharmD
University of Wisconsin Carbone Cancer Center

Brenda Cooper, MD
Case Comprehensive Cancer Center/University Hospitals Seidman Cancer Center and Cleveland Clinic Taussig Cancer Institute

Sanjeev Dadwal, MD
City of Hope National Medical Center

Rip E. Dubberke, MD
Siteman Cancer Center at Barnes-Jewish Hospital and Washington University School of Medicine

Ashley Engemann, PharmD, BCOP
Duke Cancer Institute

Allison G. Freifeld, MD
Fred & Pamela Buffett Cancer Center

John N. Greene, MD
Moffitt Cancer Center

Kevin Gregg, MD
University of Michigan Rogel Cancer Center

Hana Hakim, MD, MS
St. Jude Children’s Research Hospital/The University of Tennessee Health Science Center

Rachael A. Lee, MD
O’Neal Comprehensive Cancer Center at UAB

Mark E. Lustberg, MD, PhD
The Ohio State University Comprehensive Cancer Center - James Cancer Hospital and Solove Research Institute

Steven A. Pergam, MPH
Fred Hutchinson Cancer Research Center/Seattle Cancer Care Alliance

Kenneth V. Rolston, MD
The University of Texas MD Anderson Cancer Center

Govri Sathyarayananay, MD
Vanderbilt-Ingram Cancer Center

Mindy Schuster, MD
Abramson Cancer Center at the University of Pennsylvania

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Memorial Sloan Kettering Cancer Center

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The Sidney Kimmel Comprehensive Cancer Center at Johns Hopkins

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Mayo Clinic Cancer Center

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Fox Chase Cancer Center
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Duke Cancer Institute

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Dana-Farber/Brigham and Women’s Cancer Center | Massachusetts General Hospital Cancer Center

Margaret Lang, MSN, CRNP
The Sidney Kimmel Comprehensive Cancer Center at Johns Hopkins

Frank T. Leone, MD, MS
Abramson Cancer Center at the University of Pennsylvania

Arnold H. Levinson, PhD
University of Colorado Cancer Center

Danielle E. McCarthy, PhD
University of Wisconsin Carbone Cancer Center

Elyse R. Park, PhD
Dana-Farber/Brigham and Women’s Cancer Center | Massachusetts General Hospital Cancer Center

Jill Selzie, PA-C
Fred & Pamela Buffett Cancer Center

Christine E. Sheffer, PhD
Roswell Park Comprehensive Cancer Center

Sharon Spencier, MD
O’Neal Comprehensive Cancer Center at UAB

Tawee Tarvetyanon, MD, MPH
Moffitt Cancer Center

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Huntsman Cancer Institute at the University of Utah

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Hillary Tindle, MD, MPH
Vanderbilt-Ingram Cancer Center

James Urbanic, MD
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David Warner, MD
Mayo Clinic Cancer Center

Monica Webb Hooper, PhD
Case Comprehensive Cancer Center/University Hospitals Seidman Cancer Center and Cleveland Clinic Taussig Cancer Institute

C. Will Whitlock, NP, RN
Memorial Sloan Kettering Cancer Center

Douglas E. Wood, MD, FACS, FRCSEd
Fred Hutchinson Cancer Research Center/Seattle Cancer Care Alliance

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Crystal S. Denlinger, MD, FACP / Chair
Fox Chase Cancer Center

Tara Santé, MD / Vice-Chair
Yale Cancer Center/Smilow Cancer Hospital

Saro Armenian, DO, MPH
City of Hope National Medical Center

K. Scott Baker, MD, MS
Fred Hutchinson Cancer Research Center/Seattle Cancer Care Alliance

Gregory A. Broderick, MD
Mayo Clinic Cancer Center

Wendy Demark-Wahnefried, PhD, RD
O’Neal Comprehensive Cancer Center at UAB

Debra L. Friedman, MD, MS
Vanderbilt-Ingram Cancer Center

Mindy E. Goldman, MD
UCSF Helen Diller Family Comprehensive Cancer Center

Norah L. Henry, MD, PhD
University of Michigan Rogel Cancer Center

Christine Hill-Kayser, MD
Abramson Cancer Center at the University of Pennsylvania

Melissa M. Hudson, MD
St. Jude Children’s Research Hospital/The University of Tennessee Health Science Center

Nazarin Khakpour, MD, FACS
Moffitt Cancer Center

Divya Koura, MD
UC San Diego Moores Cancer Center

Robin M. Lally, PhD, RN, MS, AOCN, FAAN
Fred & Pamela Buffett Cancer Center

Allison L. McDonough, MD
Dana-Farber/Brigham and Women’s Cancer Center | Massachusetts General Hospital Cancer Center

Michelle E. Melissa, MD
UCSF Helen Diller Family Comprehensive Cancer Center

Kathi Mooney, PhD, RN, FAAN
Huntsman Cancer Institute at the University of Utah

Halle C. F. Moore, MD
Case Comprehensive Cancer Center/University Hospitals Seidman Cancer Center and Cleveland Clinic Taussig Cancer Institute

Natalie Moryl, MD
Memorial Sloan Kettering Cancer Center

Javid V. Mosleh, MD
Vanderbilt-Ingram Cancer Center

Tracey O’Connor, MD
Roswell Park Comprehensive Cancer Center

Linda Overholser, MD, MPH
University of Colorado Cancer Center

Electra D. Paskett, PhD
The Ohio State University Comprehensive Cancer Center - James Cancer Hospital and Solove Research Institute

Chirayu Patel, MD, MPH
Dana-Farber/Brigham and Women’s Cancer Center | Massachusetts General Hospital Cancer Center

Lindsay L. Peterson, MD
Siteman Cancer Center at Barnes-Jewish Hospital and Washington University School of Medicine

William Piti, MD, MPH
Dana-Farber/Brigham and Women’s Cancer Center | Massachusetts General Hospital Cancer Center

Alma Rodriguez, MD
The University of Texas MD Anderson Cancer Center

Kathryn J. Ruddy, MD, MPH
Mayo Clinic Cancer Center

Lillie D. Shockney, RN, MAS, BS
The Sidney Kimmel Comprehensive Cancer Center at Johns Hopkins

Sophia K. Smith, PhD, MSW
Duke Cancer Institute

Karen L. Syrigal, PhD
Fred Hutchinson Cancer Research Center/Seattle Cancer Care Alliance

Amya J. Tewaawer, MD
University of Wisconsin Carbone Cancer Center

Phyllis C. Zee, MD, PhD
Robert H. Lurie Comprehensive Cancer Center of Northwestern University

NCCN Guidelines for Specific Populations

Adolescent and Young Adult Oncology

Smita Bhatia, MD, MPH / Chair
O’Neal Comprehensive Cancer Center at UAB

Alberto S. Pappo, MD / Vice-Chair
St. Jude Children’s Research Hospital/The University of Tennessee Health Science Center

Melissa Accquazzino, MD
Fred & Pamela Buffett Cancer Center

Scott C. Borinsteine, MD, PhD
Vanderbilt-Ingram Cancer Center

Rashmi Chugh, MD
University of Michigan Rogel Cancer Center

Carrie R. Cost, MD
University of Colorado Cancer Center

Shira Dinner, MD
Robert H. Lurie Comprehensive Cancer Center of Northwestern University

Douglas Fair, MD, MSCI
Huntsman Cancer Institute at the University of Utah

Jeanelle FoliBrecht, PhD
City of Hope National Medical Center

Lindsay Frazier, MD, ScM
Dana-Farber/Brigham and Women’s Cancer Center | Massachusetts General Hospital Cancer Center

Shipra Gandhi, MD
Roswell Park Comprehensive Cancer Center

Robert Goldsby, MD
UCSF Helen Diller Family Comprehensive Cancer Center

Robert Hayashi, MD
Siteman Cancer Center at Barnes-Jewish Hospital and Washington University School of Medicine

Alex Y. Huang, MD, PhD
Case Comprehensive Cancer Center/University Hospitals Seidman Cancer Center and Cleveland Clinic Taussig Cancer Institute

Mary Huang, MD
Dana-Farber/Brigham and Women’s Cancer Center | Massachusetts General Hospital Cancer Center

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2019 NCCN Committees, Boards, Panel Members, Staff

Cancer in People Living with HIV

Erie H. Carchman, MD
University of Wisconsin Carbone Cancer Center
Adriam Cohen, MD
Huntsman Cancer Institute
at the University of Utah
Oxana V. Crysler, MD
University of Michigan Rogel Cancer Center
Neel Gupta, MD
Stanford Cancer Institute
Allison Hall, MD, PhD
Duke Cancer Institute
David Henry, MD
Abramson Cancer Center
at the University of Pennsylvania
Kimberly L. Johung, MD, PhD
Yale Cancer Center/Smilow Cancer Hospital
Ann Klopp, MD, PhD
The University of Texas
MD Anderson Cancer Center
Ann S. LaCasce, MD
Dana-Farber/Brigham and Women’s Cancer Center | Massachusetts General Hospital Cancer Center
Chi Lin, MD
Fred & Pamela Buffett Cancer Center
Amritkumar Mehta, MD
O’Neal Comprehensive Cancer Center at UAB
Manoj P. Menon, MD, MPH
Fred Hutchinson Cancer Research Center/Seattle Cancer Care Alliance
David Morgan, MD
Vanderbilt-Ingram Cancer Center
Nitya Nathwani, MD
City of Hope National Medical Center
Ariela Noy, MD
Memorial Sloan Kettering Cancer Center
Lee Ratner, MD, PhD
Siteman Cancer Center at Barnes-Jewish Hospital and Washington University School of Medicine
Stacey Rizza, MD
Mayo Clinic Cancer Center
Julian Sanchez, MD
Moffitt Cancer Center
Jeff Taylor
Patient Advocate
Benjamin Tomlinson, MD
Case Comprehensive Cancer Center/
University Hospitals Seidman Cancer Center and Cleveland Clinic Taussig Cancer Institute
Chia-Ching J. Wang, MD
UCSF Helen Diller Family Comprehensive Cancer Center
Arijana Yeldandi, MD
Robert H. Lurie Comprehensive Cancer Center of Northwestern University
Sai Yendamuri, MD
Roswell Park Comprehensive Cancer Center

Older Adult Oncology

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Iline S. Browner, MD
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Peggy Burhenn, RN, MS, AOCNS
City of Hope National Medical Center
Harvey Jay Cohen, MD
Duke Cancer Institute
Martine Extermann, MD, PhD
Moffitt Cancer Center
Gary Gross, MD
Yale Cancer Center/Smilow Cancer Hospital
Genevieve Hollis, CRNP
Abramson Cancer Center
at the University of Pennsylvania
Joleen Hubbard, MD
Mayo Clinic Cancer Center
Kevin Hughes, MD
Dana-Farber/Brigham and Women’s Cancer Center | Massachusetts General Hospital Cancer Center
Nancy L. Keating, MD, MPH
Dana-Farber/Brigham and Women’s Cancer Center | Massachusetts General Hospital Cancer Center
Rashhma Jaggi, MD, DPhil
University of Michigan Rogel Cancer Center
Efrat Dotan, MD / Chair
Fox Chase Cancer Center
Louise C. Walter, MD / Vice-Chair
UCSF Helen Diller Family Comprehensive Cancer Center
Joel Baumgartner, MD
UC San Diego Moores Cancer Center
Iline S. Browner, MD
The Sidney Kimmel Comprehensive Cancer Center at Johns Hopkins
Peggy Burhenn, RN, MS, AOCNS
City of Hope National Medical Center
Harvey Jay Cohen, MD
Duke Cancer Institute
Martine Extermann, MD, PhD
Moffitt Cancer Center
Gary Gross, MD
Yale Cancer Center/Smilow Cancer Hospital
Genevieve Hollis, CRNP
Abramson Cancer Center
at the University of Pennsylvania
Joleen Hubbard, MD
Mayo Clinic Cancer Center
Kevin Hughes, MD
Dana-Farber/Brigham and Women’s Cancer Center | Massachusetts General Hospital Cancer Center
Nancy L. Keating, MD, MPH
Dana-Farber/Brigham and Women’s Cancer Center | Massachusetts General Hospital Cancer Center
Rashhma Jaggi, MD, DPhil
University of Michigan Rogel Cancer Center

Cancer in People Living with HIV

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Huntsman Cancer Institute
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The Sidney Kimmel Comprehensive Cancer Center at Johns Hopkins
Kevin Ard, MD, MPH
Dana-Farber/Brigham and Women’s Cancer Center | Massachusetts General Hospital Cancer Center
Robert Balocchi, MD, PhD
The Ohio State University Comprehensive Cancer Center - James Cancer Hospital and Solove Research Institute

Advice Panel Imaging

Elliot K. Fishman, MD / Chair
The Sidney Kimmel Comprehensive Cancer Center at Johns Hopkins
Samuel Achilefu, PhD
Siteman Cancer Center at Barnes-Jewish Hospital and Washington University School of Medicine
Mahmoud M. Al-Hawary, MD
University of Illinois at Chicago Comprehensive Cancer Center
June M. McCoy, MD, MBA, JD, MPH
Robert H. Lurie Comprehensive Cancer Center of Northwestern University
Tracey O’Connor, MD
Roswell Park Comprehensive Cancer Center
Cynthia Owusu, MD, MS
Case Comprehensive Cancer Center/
University Hospitals Seidman Cancer Center and Cleveland Clinic Taussig Cancer Institute
Ashley Rosiko, MD
The Ohio State University Comprehensive Cancer Center - James Cancer Hospital and Solove Research Institute
Randall W. Ruppers, MD, MPH
Huntsman Cancer Institute at the University of Utah
Lidia Schapira, MD
Stanford Cancer Institute
Derek L. Steriwall, MD
Fred Hutchinson Cancer Research Center/Seattle Cancer Care Alliance
Iswaria M. Subbiah, MD, MS
The University of Texas
MD Anderson Cancer Center
William P. Tew, MD
Memorial Sloan Kettering Cancer Center
Noam VanderWalde, MD
St. Jude Children’s Research Hospital/
The University of Tennessee Health Science Center
Tanya Wilkies, MD, MSCI
Siteman Cancer Center at Barnes-Jewish Hospital and Washington University School of Medicine
Grant R. Williams, MD
O’Neal Comprehensive Cancer Center at UAB

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2019 NCCN Committees, Boards, Panel Members, Staff

Carolyn L. Wang, MD  
Fred Hutchinson Cancer Research Center/  
Seattle Cancer Care Alliance  
Jimmie Wong, MD  
City of Hope National Medical Center  
Vahid Yaghmai, MD, MS  
Robert H. Lurie Comprehensive Cancer Center of Northwestern University  

Rachel Darwin  
Manager, Public Relations  
Elyse Desjardins (Becker), MBA  
Manager, Business Development  
Sarah DeVincenzo, PharmD, BCPS  
Oncology Pharmacist, Drugs & Biologics Programs  
Jean Marie Dougherty  
Executive Assistant  
Mary A. Dwyer, MS, CGC  
Senior Manager, Guidelines  
Anita M. Ergh, PhD  
Oncology Scientist/Medical Writer  
Ellen Erkess  
Guidelines Support Specialist  
Melissa Espleen  
Senior Meeting Planner  
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Senior Accountant  
Tanya M. Fischer, MEd, MLSIS  
Medical Writer  
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Marketing Manager  
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Human Resource Generalist  
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Vice President, Clinical Information Programs  
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Oncology Scientist/Medical Writer  
William Guthier  
IT Systems Support Specialist  
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Administrative Assistant  
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Laura J. Hanisch, PsyD  
Medical Writer/Patient Information Specialist  
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Director, Continuing Medical Education  
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Project Analyst  
June L. Henry, MBA  
Accounting Manager  
Kyle L. Herrmann, RN, BSN, OCN  
Oncology Nurse, Chemotherapy Template Development  
Erin R. Heuler  
Administrative/Project Assistant  
Caroline Hoppes, MSN, RN  
Clinical Research Manager  
Miranda Hughes, PhD  
Oncology Scientist/Senior Medical Writer  
Megan Ilincicki  
Business Development Specialist  
Jessica L. Jarman  
Senior Financial Analyst  
Terrell Johnson, MPA  
Policy and Advocacy Fellow  
Alyse Johnson-Chilla, MS  
Guidelines Coordinator  
Rosa Joyce  
Senior Project Manager, Conferences & Meetings  
Joseph M. Junod, MBA  
Director, Information Technology  
Nicole A. Kamienski, BS, CCRP  
Research Study Associate  
Karen Kanefield, BA  
Manager, CE Accreditation & Program Operations  
Ann O. Karosas, RPh, BCOP  
Oncology Pharmacist, Drugs & Biologics Programs  
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Guidelines Layout Specialist  
Susan Kidney  
Graphic Design Specialist  
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Senior Vice President, Chief Medical Officer  
Diana M. Krause, MHA  
Best Practices Program Manager  
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Director, Clinical Information Operations

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Lindsey A.M. Bandini, MPH  
Quality of Oncology Care Fellow  
Kimberly Bayer  
Senior CE Specialist  
Mary Ellen Benetz, BA  
Research Study Associate  
Mary Anne Bergman  
Guidelines Coordinator  
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Business Development Specialist  
Marian Birkeland, PhD  
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Administrative Coordinator  
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Guidelines Support Specialist  
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Guidelines Coordinator  
Kimberly A. Callan, MS, ELS  
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Executive Assistant  
Sam Cho  
Network Administrator  
Rachael Clarke  
Senior Medical Copyeditor  
Karen Comia  
Administrative/Project Assistant  
Dalia Cranie, MA, CCRP  
Research Study Associate  
Susan D. Darlow, PhD  
Oncology Scientist/Medical Writer
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Accounting Coordinator  

Kara R. Martin, MPH  
Policy/Advocacy Fellow  

Heather Matt  
CE Project Manager  

Caitlin McCauley (Donnelly)  
Senior Global Business Development Specialist  

James McCanney, JD  
Senior Specialist, Payer and Employer Outreach  

Robert McClain  
Lead .NET Application Developer  

Kelly McClurg  
Accounts Payable Coordinator  

Thomas McDevitt, BS  
.NET Application Developer  

Tracy McDowell  
Manager, Global Business Development  

Nicole R. McMillian, MS, CHES  
Guidelines Coordinator  

Diane McPherson  
Meeting Planner  

Melanie A. Moletszky  
CE Project Manager  

Susan M. Most, RN, BSN, MBA  
Director, Oncology Research Program  

Jill A. Mullen, MPA  
Director, Member Relations  

Sharla Nesbitt  
Accounts Receivable Staff Accountant  

Ndinya Ogba, PhD  
Oncology Scientist/Medical Writer  

Sharon F. Park, PharmD, BCOP  
Oncology Pharmacist, Drugs & Biologics Programs  

Dawn Pattison  
Administrative/Project Assistant  

Lisa Perfidio, MS  
Manager, CE Supporter Outreach  

Beth Perri  
Receptionist  

Rosemary Pfuger  
Administrative/Project Assistant  

Lenora Pluchino, PhD  
Oncology Scientist/Medical Writer  

Donna M. Powell, MS, CMD, RT(T)  
Oncology Scientist, Radiation Oncology Programs  

Duane Putnam  
Director, Payer and Employer Outreach  

Chris Rawlins  
UI Application Developer  

Leslie Ray, PharmD, BCOP  
Oncology Pharmacist, Drugs & Biologics Programs  

Marcie R. Reeder, MPH  
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Wendy L. Rees, MBA  
Grant Specialist  

Liz Rieder  
Senior Registration Manager  

Kerrin M. Rosenthal, MA  
Associate Managing Editor  

Shannon Ryan, CMP  
Senior Manager, Conferences & Meetings  

Carl Saalbach  
Human Resource Generalist  

Narender Sara, MSc, MBA  
.NET Application Developer  

Donna Scharr  
Research Study Associate  

Alyssa Schatz, MSW  
Senior Director, Policy & Advocacy  

Dorothy A. Shead, MS  
Director, Patient Information Operations  

Jeanette Shultz  
Receptionist  

Kathy Ann Smith, CHCP  
Manager, CE Grant Writing & Project Management  

Susan Sommerville  
Executive Coordinator  

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Corporate Communications Specialist  

Katy Winckworth-Prejnar, MPH  
Global Policy & Strategic Alliances Manager

NCCN staff honors World Cancer Day, February 2019.