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)**
- **Acute Lymphoblastic Leukemia (Pediatric and AYA)**
- **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**
- **Gastraic 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**
- **Penile Cancer**
- **Primary Cutaneous Lymphomas**
- **Prostate Cancer**
- **Rectal Cancer**
- **Small Bowel Adenocarcinoma**
- **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**

### Supportive Care

- **Adult Cancer Pain**
- **Antiemesis**
- **Cancer-Associated Venous Thromboembolic Disease**
- **Cancer-Related Fatigue**
- **Distress Management**

### Specific Populations

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

### Hematopoietic Cell Transplantation

- **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 Drugs & Biologics Compendium (NCCN Compendium®)** | Authoritative, scientifically derived information designed to support decision-making about the appropriate use of drugs and biologics in patients with cancer  
- Contains more than 4,400 active records  
- Updated in conjunction with the NCCN Guidelines on a continual basis  
- Recognized by public and private insurers as an authoritative reference for oncology coverage policy  
- Subscription-based searchable database online at NCCN.org |
| **NCCN Biomarkers Compendium®** | Information to support decision-making around the use of biomarkers in cancer care  
- 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  
- Contains 1,430 records  
- Subscription-based searchable database online at NCCN.org |
| **NCCN Imaging Appropriate Use Criteria (NCCN Imaging AUC™)** | Details of imaging recommendations included in the NCCN Guidelines  
- Available for more than 60 cancer types in addition to screening and supportive care  
- NCCN is recognized by Centers for Medicare & Medicaid Services (CMS) as a qualified provider-led entity for creation of the NCCN Imaging AUC™  
- Free searchable database online at NCCN.org |
| **NCCN Radiation Therapy Compendium™** | Information to support clinical decision-making around the use of radiation therapy in patients with cancer  
- Includes a full complement of radiation therapy recommendations found in the NCCN Guidelines  
- Contains 48 disease sites and 891 radiation therapy recommendations  
- Recognized by public and private insurers as an authoritative reference for oncology coverage policy  
- Subscription-based searchable database online at NCCN.org |
| **NCCN Chemotherapy Order Templates (NCCN Templates®)** | Intended to improve the safe use of drugs and biologics in cancer care  
- Includes chemotherapy, immunotherapy, supportive care agents, monitoring parameters, and safety instructions  
- Special instructions for self-administered chemotherapeutic agents also provided  
- Contains more than 1,550 active templates  
- Downloaded more than 880,000 times in 2019  
- Subscription-based searchable database online at NCCN.org |
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.

Pictured: Members of NCCN, NCCN Member Institutions, American Cancer Society, and the African Cancer Coalition in Addis Ababa, Ethiopia, August 2019.
## Global Resources

### NCCN Framework for Resource Stratification of NCCN Guidelines (NCCN Framework™)

A tool for health care providers to identify treatment options that will provide the best possible outcomes given specific resource constraints

- 19 NCCN Framework™ are available
- Covers ~85% of all cancers worldwide
- 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
- Free online at NCCN.org and via the NCCN Mobile App

### NCCN Harmonized Guidelines™

**for Sub-Saharan Africa**

**for the Caribbean**

Modified NCCN Guidelines targeted to regional resources

- Collaborative global effort to combat skyrocketing cancer rates and unique care circumstances
- Includes pragmatic approaches that provide effective treatment options for resource-constrained settings
- 39 NCCN Harmonized Guidelines™ for Sub-Saharan Africa are available
- Seven NCCN Harmonized Guidelines™ for the Caribbean are available
- Free online at NCCN.org and via the NCCN Mobile App

### International Adaptations

Modified NCCN Guidelines to aid clinicians in determining appropriate and effective avenues of care in a specified country or region of the world

- 25 NCCN Guidelines have been adapted
- Developed by the host country’s oncology thought leaders in conjunction with NCCN Guidelines Panel Members
- Account for metabolic differences in populations, accessibility of technology, and regulatory status of health care technologies
- Free online at NCCN.org and via the NCCN Mobile App

### International Translations

NCCN Guidelines translated from English

- 48 NCCN Guidelines and 16 derivative products have been translated into one or more languages
- NCCN content has been translated into 19 different languages
- Free online at NCCN.org and via the NCCN Mobile App
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).

“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
# Patient and Caregiver Resources

## 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](https://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](https://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](https://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.

<table>
<thead>
<tr>
<th>&gt;$3.2 million</th>
<th>131</th>
<th>7</th>
</tr>
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<tbody>
<tr>
<td>Awarded to NCCN Member Institutions for research in 2019</td>
<td>Posters presented at the NCCN 2019 Annual Conference General Poster Session</td>
<td>Oral poster presentations at the NCCN 2019 Annual Conference</td>
</tr>
</tbody>
</table>
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](http://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](http://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](http://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.

73 Research articles published in 2019

>24,000 JNCCN readers

7.57 Impact factor measuring how frequently JNCCN is cited in other journals
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.

<table>
<thead>
<tr>
<th>75</th>
<th>Health Information Technology companies licensed NCCN content in 2019</th>
</tr>
</thead>
<tbody>
<tr>
<td>86</td>
<td>Corporate Council Members</td>
</tr>
<tr>
<td>677</td>
<td>People attended NCCN Academy programs in 2019</td>
</tr>
<tr>
<td>855</td>
<td>Print-ready Versions of NCCN Guidelines for Patients Shared in 2019</td>
</tr>
</tbody>
</table>
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 |
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

<table>
<thead>
<tr>
<th>Employer &amp; Payer Initiatives</th>
<th>NCCN works with commercial insurers, employers, and purchasers to ensure their members are receiving high-quality cancer care</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>• 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</td>
</tr>
<tr>
<td>NCCN Employer Forums</td>
<td>Employer stakeholders discuss the current state of oncology care and relevant healthcare issues</td>
</tr>
<tr>
<td></td>
<td>• The NCCN Employer Advisory Group includes employers, employer coalitions, and consultants that work with millions of employer-sponsored plans</td>
</tr>
<tr>
<td></td>
<td>• The 2019 NCCN Employer Forum was held October 30, 2019 in Scottsdale, AZ</td>
</tr>
</tbody>
</table>

## Programs to Engage Stakeholders

<table>
<thead>
<tr>
<th>NCCN Academy for Excellence &amp; Leadership in Oncology™</th>
<th>Live interactive program through which pharmaceutical and biotech professionals learn about pressing issues in oncology today and how to apply this knowledge</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>• Two 2019 meetings were held in Orlando, FL, and Scottsdale, AZ</td>
</tr>
<tr>
<td></td>
<td>• 306 attendees</td>
</tr>
<tr>
<td>NCCN Customized Academy for Excellence &amp; Leadership in Oncology™</td>
<td>Opportunity to customize an NCCN Academy agenda that best aligns with organizations’ particular needs and interests</td>
</tr>
<tr>
<td></td>
<td>• Four NCCN Customized Academy programs were held in 2019</td>
</tr>
<tr>
<td></td>
<td>• 300 attendees</td>
</tr>
<tr>
<td>NCCN Global Academy for Excellence &amp; Leadership in Oncology™</td>
<td>Live interactive program focused on pressing issues in the global oncology environment</td>
</tr>
<tr>
<td></td>
<td>• The 2019 meeting was held in September in Barcelona, Spain</td>
</tr>
<tr>
<td></td>
<td>• 71 attendees</td>
</tr>
<tr>
<td>NCCN Corporate Council</td>
<td>Members work to enhance collaborative efforts among pharmaceutical, biotechnology, and diagnostic companies and NCCN to better serve patients</td>
</tr>
<tr>
<td></td>
<td>• Two 2019 NCCN Corporate Council meetings were held in Orlando, FL, and Scottsdale, AZ</td>
</tr>
<tr>
<td></td>
<td>• 86 members</td>
</tr>
<tr>
<td>NCCN Global Corporate Council</td>
<td>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</td>
</tr>
<tr>
<td></td>
<td>• The 2019 meeting was held in September in Barcelona, Spain</td>
</tr>
<tr>
<td></td>
<td>• 23 members</td>
</tr>
</tbody>
</table>
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.
“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

<table>
<thead>
<tr>
<th>NCCN Policy Summits</th>
<th>The State of Cancer Care in America: The Impact of State Policy on Access to High-Quality Cancer Care</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>June 27, 2019, Washington, DC</td>
</tr>
<tr>
<td></td>
<td>• Explored the increasing role of state authorities in health policy decision-making and implications for patient access to high-quality cancer care</td>
</tr>
<tr>
<td></td>
<td>• 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</td>
</tr>
<tr>
<td></td>
<td>• 172 participants</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>NCCN Policy Summits</th>
<th>Defining, Measuring, and Applying Quality in an Evolving Health Policy Landscape and the Implications for Cancer Care</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>September 12, 2019, Washington, DC</td>
</tr>
<tr>
<td></td>
<td>• Presented diverse perspectives related to defining, measuring, and paying for quality as cancer care evolves to include increasingly innovative, personalized, and high-cost interventions</td>
</tr>
<tr>
<td></td>
<td>• 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</td>
</tr>
<tr>
<td></td>
<td>• 155 participants</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>NCCN Patient Advocacy Summit</th>
<th>Delivering Value for Patients Across the Oncology Ecosystem</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>December 11, 2019, Washington, DC</td>
</tr>
<tr>
<td></td>
<td>• 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</td>
</tr>
<tr>
<td></td>
<td>• 180 participants</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>NCCN State Oncology Society Forum</th>
<th>NCCN State Oncology Society Forum</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>March 23, 2019, Orlando, FL</td>
</tr>
<tr>
<td></td>
<td>• 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</td>
</tr>
<tr>
<td></td>
<td>• 35 societies participated</td>
</tr>
</tbody>
</table>
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.

<table>
<thead>
<tr>
<th>Educational activities in 2019</th>
<th>Total participants in 2019 NCCN Continuing Education activities</th>
<th>Continuing Education Credits earned by participants in 2019 NCCN Continuing Education activities</th>
</tr>
</thead>
<tbody>
<tr>
<td>146</td>
<td>&gt;48,000</td>
<td>&gt;32,500</td>
</tr>
</tbody>
</table>
“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>Event Type</th>
<th>Description</th>
<th>Date and Location</th>
<th>Attendance Details</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>NCCN 2019 Annual Conference</strong></td>
<td>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</td>
<td>March 21 – 23, 2019, Orlando, FL</td>
<td>Conference attendees: 1,361</td>
</tr>
<tr>
<td><strong>NCCN 2019 Nursing Program: Advancing Oncology Nursing™</strong></td>
<td></td>
<td>March 20, 2019, Orlando, FL</td>
<td>Meeting attendees: 215</td>
</tr>
<tr>
<td><strong>NCCN 2019 Oncology Fellows Program: New Horizons in Quality Cancer Care™</strong></td>
<td></td>
<td>March 20, 2019, Orlando, FL</td>
<td>Meeting attendees: 71</td>
</tr>
<tr>
<td><strong>NCCN Annual Conference Satellite Symposium: Collaborative Strategies to Ensure Optimal Application of the Latest Treatment Approaches in Hepatocellular Carcinoma</strong></td>
<td></td>
<td>March 21, 2019, Orlando, FL</td>
<td>Meeting attendees: 184</td>
</tr>
<tr>
<td><strong>NCCN Annual Conference Satellite Symposium: PARP Inhibitors in Breast Cancer: Expert Perspectives on Clinical Application and Genetic Testing</strong></td>
<td></td>
<td>March 22, 2019, Orlando, FL</td>
<td>Meeting attendees: 186</td>
</tr>
<tr>
<td><strong>NCCN Annual Congress: Hematologic Malignancies™</strong></td>
<td>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</td>
<td>September 27 – 28, 2019, San Francisco, CA</td>
<td>Meeting attendees: 535</td>
</tr>
<tr>
<td><strong>NCCN 2019 Nursing Forum: Advancing Oncology Nursing in Hematologic Malignancies™</strong></td>
<td></td>
<td>September 27, 2019, San Francisco, CA</td>
<td>Meeting attendees: 113</td>
</tr>
<tr>
<td><strong>NCCN Annual Congress Satellite Symposium: Approaches to Individualized Treatment for Chronic Lymphocytic Leukemia</strong></td>
<td></td>
<td>September 28, 2019, San Francisco, CA</td>
<td>Meeting/simulcast attendees: 167</td>
</tr>
</tbody>
</table>
## Continuing Education Activities

All recordings posted at education.NCCN.org

<table>
<thead>
<tr>
<th>Continuing Education Activities</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>NCCN Congress Series™</strong></td>
<td>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</td>
</tr>
</tbody>
</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>Event</th>
<th>Type</th>
<th>Dates</th>
<th>Locations</th>
<th>Attendees/Viewers</th>
</tr>
</thead>
<tbody>
<tr>
<td>Expert Insights on New Systemic Therapies for Advanced Prostate Cancer</td>
<td>Satellite symposium and simulcast</td>
<td>May 3, 2019, Chicago, IL</td>
<td>Meeting/simulcast attendees: 257, Recorded webcast viewers: 690</td>
<td></td>
</tr>
<tr>
<td>PARP Inhibitors in Breast Cancer: Expert Perspectives on Clinical Application and Genetic Testing</td>
<td>Satellite symposium</td>
<td>June 1, 2019, Chicago, IL</td>
<td>Meeting attendees: 132, Recorded webcast viewers: 895</td>
<td></td>
</tr>
<tr>
<td>AML: Expert Guidance on Current Standards and New Directions in Patient Care</td>
<td>Satellite symposium and simulcast</td>
<td>December 6, 2019, Orlando FL</td>
<td>Meeting/simulcast attendees: 661, Recorded webcast launched December 2019</td>
<td></td>
</tr>
<tr>
<td>Approaches to Personalized Treatment for CLL: Expert Guidance on Sequencing Therapy and Novel Agents</td>
<td>Satellite symposium and simulcast</td>
<td>December 6, 2019, Orlando FL</td>
<td>Meeting/simulcast attendees: 646, Recorded webcast launched December 2019</td>
<td></td>
</tr>
</tbody>
</table>
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
Non-Hodgkin’s Lymphoma: Follicular Lymphoma
Non-Hodgkin’s Lymphoma: Mantle Cell Lymphoma
Non-Hodgkin’s Lymphoma: Mycosis Fungoides
Non-Hodgkin’s Lymphoma: Peripheral T-Cell Lymphoma
Ovarian Cancer
Pancreatic Cancer
Prostate Cancer
Rectal Cancer
Soft Tissue Sarcoma
Squamous Cell Skin Cancer NEW
Stomach Cancer
Thyroid Cancer
Uterine Cancer: Endometrial Cancer, Uterine Sarcoma
Waldenström’s Macroglobulinemia/ Lymphoplasmacytic 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
The most frequently accessed NCCN Guidelines for Patients in 2019 were:

<table>
<thead>
<tr>
<th>NCCN Guidelines for Patients</th>
<th>Page Views</th>
<th>Users</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prostate Cancer</td>
<td>&gt; 1,663,500</td>
<td>&gt; 40,500</td>
</tr>
<tr>
<td>Invasive Breast Cancer</td>
<td>&gt; 1,199,300</td>
<td>&gt; 35,500</td>
</tr>
<tr>
<td>Colon Cancer</td>
<td>&gt; 639,400</td>
<td>&gt; 19,500</td>
</tr>
<tr>
<td>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.
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
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Navigating Cancer
Jack Gentile / Secretary
Harborside Press, LLC
Ray Lynch, CPA, MBA / Treasurer
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Al B. Benson III, MD, FACP, FASCO
Robert H. Lurie Comprehensive Cancer Center of Northwestern University
Thomas A. D’Amico, MD
Duke Cancer Institute
Deborah Morosini, MD
Honey Locust Advisers
Denise Reinke, NP, MS
University of Michigan
Marc Samuels, JD, MPH
ADV1
Sara Silacci
Dana-Farber/Brigham and Women’s Cancer Center | Massachusetts General Hospital Cancer Center
Susan Stein, MPH
Agios Pharmaceuticals
Robert C. Young, MD
RCY Medicine

NCCN Foundation
Finance Committee
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
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Lisa & Thomas D’Amico, MD
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Timothy J. and Kimberly A. Eberlein, MD
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Leo Gordon, MD
Marianne & Donald Green
Albert Kraus
Drew Lee
John Lurain, MD
Lisa Kimbro & Ray Lynch
Jennifer Malin, MD, PhD
Marilyn & James Mohler

2019 NCCN Foundation® Report

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.

Lisle Nabell, MD
Gregory Otterton, MD
Michael Parisi, MBA, MA
Denise Reinke, NP, MS
Christen Repetto
Nadeem Abu-Rustum, MD
Swan Global Foundation
John Sweetenham, MD, FACP, FRCP
Margaret Temporo, MD
Marianne & Gary Weyhmuller
Catheryn Yashar, MD
Robert C. Young, MD

$500 - $999
Benjamin Anderson, MD
Eileen Boscia
Kenneth Cowan, MD, PhD
Kristina Griffin
Melissa Hudson, MD
Kris Kipp
Terry Langbaum, MAS
Linda Leach
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The Reverend Sean & Dr. Laura Slack
Susan Stein, MPH
Estate of Cameron Wasson

Additional Supporters
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Kieran Berkery
Marian Birkeland
Donna Black
Michael Blake
Mara Bloom
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“[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.
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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**  
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**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**  
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**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**  
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**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*

**Margaret A. Tempero, MD**  
*UCSF Helen Diller Family Comprehensive Cancer Center*
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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<tr>
<td>Mary Lou Smith, MBA, JD</td>
<td>Research Advocacy Network</td>
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<tr>
<td>Hatem Soliman, MD</td>
<td>Moffitt Cancer Center</td>
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<tr>
<td>Erica M. Stringer-Reasor, MD</td>
<td>O’Neal Comprehensive Cancer Center at UAB</td>
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<tr>
<td>Malinda L. Telfi, MD</td>
<td>Stanford Cancer Institute</td>
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<tr>
<td>John H. Ward, MD</td>
<td>Huntsman Cancer Institute at the University of Utah</td>
</tr>
<tr>
<td>Jessica S. Young, MD</td>
<td>Roswell Park Comprehensive Cancer Center</td>
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- Duke Cancer Institute

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<tbody>
<tr>
<td>Steven J. Isakoff, MD, PhD</td>
<td>Dana-Farber/Brigham and Women’s Cancer Center</td>
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<tr>
<td>Sharon H. Giordano, MD, MPH</td>
<td>The University of Texas MD Anderson Cancer Center</td>
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<td>Matthew P. Goetz, MD</td>
<td>Mayo Clinic Cancer Center</td>
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<td>Lori J. Goldstein, MD</td>
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<td>Ingrid A. Mayar, MD, MSCI</td>
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Malignant Pleural Mesothelioma/
Thymomas and Thymic Carcinomas

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<table>
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<tbody>
<tr>
<td>Julian Molina, MD</td>
<td>Mayo Clinic Cancer Center</td>
</tr>
<tr>
<td>Cesar A. Moran, MD</td>
<td>The University of Texas</td>
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<tr>
<td>MD Anderson Cancer Center</td>
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<tr>
<td>Daniel Morgensztern, MD</td>
<td>Siteon Cancer Center at Barnes-Jewish Hospital and Washington</td>
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<tr>
<td>University School of Medicine</td>
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<tr>
<td>Saraswati Pokharel, MD</td>
<td>Roswell Park Comprehensive Cancer Center</td>
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<td>Jacob Sands, MD</td>
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<td>Rafael Santana-Davila, MD</td>
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<td>Michael Shafique, MD</td>
<td>Moffitt Cancer Center</td>
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**Soft Tissue Sarcoma**

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<tr>
<td>Suzanne George, MD</td>
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<td>O’Neal Comprehensive Cancer Center at UAB</td>
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<tr>
<td>Ciara M. Kelly, MD, MBBSch, BAO</td>
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<td>Edward Kim, MD</td>
<td>Fred Hutchinson Cancer Research Center/Seattle Cancer Care Alliance</td>
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<td>Martin McCarter, MD</td>
<td>University of Colorado Cancer Center</td>
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<tr>
<td>Sean V. McGarry, MD</td>
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<tr>
<td>Christian Meyer, MD, PhD</td>
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<tr>
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<td>Mayo Clinic Cancer Center</td>
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<tr>
<td>Matthew Poppe, MD</td>
<td>Huntsman Cancer Institute at the University of Utah</td>
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<td>Richard F. Riedel, MD</td>
<td>Duke Cancer Institute</td>
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<td>Scott Schustze, MD, PhD</td>
<td>University of Michigan Rogel Cancer Center</td>
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<td>Jacob Shabason, MD</td>
<td>Abramson Cancer Center</td>
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<td>Dale Shepard, MD, PhD</td>
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<tr>
<td>Melissa Zimel, MD</td>
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</tbody>
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**T-Cell/Primary Cutaneous Lymphomas**

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<tbody>
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<tr>
<td>Mark W. Clemens, MD</td>
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<tr>
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<tr>
<td>Bradley M. Haverkos, MD, MPH, MS</td>
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<tr>
<td>Richard T. Hoppe, MD</td>
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</tbody>
</table>

**Lymphomas**

<table>
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<tr>
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<tbody>
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<tr>
<td>Youn H. Kim, MD</td>
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</tr>
<tr>
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<td>Fred &amp; Pamela Buffett Cancer Center</td>
</tr>
<tr>
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<tr>
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<tr>
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<tr>
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</tr>
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</tr>
<tr>
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</tr>
<tr>
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<tr>
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</table>
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Thyroid Carcinoma

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NCCN Guidelines for Detection, Prevention, & Risk Reduction

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Genetic/Familial High-Risk Assessment: Breast, Ovarian, and Pancreatic

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Prostate Cancer Early Detection

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NCCN staff honors World Cancer Day, February 2019.