October 1, 2018: The National Comprehensive Cancer Network® (NCCN®) moved into its new headquarters in Plymouth Meeting, Pennsylvania. The new facility enables NCCN to better accommodate on-site meetings and a growing staff.
Who We Are
An alliance of leading cancer centers devoted to patient care, research, and education

Our Mission
To improve and facilitate quality, effective, efficient, and accessible cancer care so patients can live better lives

Our Vision
To define and advance high-quality, high-value, patient-centered cancer care globally
A Message from the Chair of the NCCN Board of Directors and Chief Executive Officer

The National Comprehensive Cancer Network® (NCCN®) experienced unprecedented growth across programs and resources and their utilization in 2018. This report outlines what we accomplished and represents our commitment to continuing this forward momentum to improve and facilitate quality, effective, efficient, and accessible cancer care globally.

The use of the NCCN Clinical Practice Guidelines in Oncology (NCCN Guidelines®) continues to grow at a rapid pace. Downloads of NCCN Guidelines® in 2018 hit an all-time high of more than 10.1 million – a 26% increase from 2017. We added five new NCCN Guidelines, resulting in an increase in the library of NCCN Guidelines and derivative products. During 2018, NCCN Guidelines were updated 185 times – another all-time high.

In November, we were excited to welcome Abramson Cancer Center at the University of Pennsylvania (ACC) as the 28th NCCN Member Institution. ACC joins an alliance of 27 other leading cancer centers across the country devoted to patient care, research, and education. Faculty and staff from ACC will join more than 1,300 experts across NCCN Member Institutions who serve on NCCN Guidelines Panels to ensure NCCN Guidelines reflect the latest advances in oncology.

To accommodate NCCN’s growth, our organization moved into new headquarters in fall 2018. NCCN’s new home, in Plymouth Meeting, Pennsylvania, allows more opportunities to convene NCCN Guidelines Panels and houses a growing staff committed to supporting programs and activities that advance our mission and vision.

As our alliance expands, so too does 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®. In 2018, five new NCCN Guidelines for Patients were created and, with support from NCCN Foundation®, we continued with our commitment to update existing patient resources.

NCCN’s influence also continues to grow around the world. We are thrilled to be working with several new international groups to adapt
NCCN Guidelines so people with cancer across the globe can receive the best care possible. NCCN expanded the number of international resources based on NCCN Guidelines in 2018, including launching new NCCN Harmonized Guidelines™ for the Caribbean and expanding NCCN Framework for Resource Stratification of NCCN Guidelines (NCCN Framework™) by 27%.

As we look into the future, NCCN is working to expand our library of NCCN Guidelines and connect even more oncology professionals with NCCN content in real time via point-of-care resources. We are also working toward launching a quality and outcomes database to track concordance with NCCN Guidelines and determine how they impact cancer care.

All of this work is possible thanks to a passionate NCCN team that is eager to embrace new advances and discoveries to help people with cancer live better lives. We sincerely thank our NCCN Member Institutions, board members, guidelines panel members, committee members, supporters, staff, and all those who access our resources for helping us continue to advance cancer care in 2018 and beyond.

Timothy J. Eberlein, MD
Chair, NCCN Board of Directors
Spencer T. and Anne W. Olin Distinguished Professor
Director of the Alvin J. Siteman Cancer Center
Bixby Professor and Chair of Surgery, Washington University

Robert W. Carlson, MD
Chief Executive Officer, NCCN
"Our expert panels consider, analyze, and discuss any new findings and drug approvals before updating the NCCN Guidelines. Those updates are then put into non-medical terms in our NCCN Guidelines for Patients, to make sure people with cancer can know what their doctors know."

Robert W. Carlson, MD, Chief Executive Officer, NCCN
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   NCCN Senior Management Team
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Alliance
Devoted to
Quality Care
Developing NCCN Guidelines

The National Comprehensive Cancer Network® (NCCN®) is dedicated to providing all oncology stakeholders with the utmost reliable and up-to-date information through the publication and continuous updating of the library of NCCN Clinical Practice Guidelines in Oncology (NCCN Guidelines®) and derivative products.

Developed by NCCN Member Institution volunteers seated on NCCN Guidelines Panels, each NCCN Guidelines® document is updated 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.

<table>
<thead>
<tr>
<th>NCCN Member Institutions</th>
<th>28</th>
</tr>
</thead>
<tbody>
<tr>
<td>NCCN Guidelines Panels in 2018</td>
<td>54</td>
</tr>
<tr>
<td>NCCN Guidelines Panel Members</td>
<td>&gt; 1,300</td>
</tr>
<tr>
<td>Hours NCCN Guidelines Panelists volunteered</td>
<td>&gt; 31,000</td>
</tr>
</tbody>
</table>
New in 2018
Abramson Cancer Center at the University of Pennsylvania becomes the 28th NCCN Member Institution.
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
- 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
- University of Alabama at Birmingham Comprehensive Cancer Center
- 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

NCCN.org/cancercenters
Defining Quality Care
NCCN Guidelines & Derivatives

Paramount to ensuring patient access to quality care is empowering patients and providers with evidence-based information for use through the continuum of cancer care. The intent of the library of NCCN Guidelines and derivative products is to assist in informed decision-making by all involved in the cancer care process with the ultimate goal of improving patient care and outcomes.

- **73** NCCN Guidelines
- **185** NCCN Guidelines updates in 2018
- **> 1.1 million** Registered users of NCCN Guidelines
- **> 2.8 million** Unique visitors to NCCN.org in 2018

NCCN.org/guidelines
NCCN Guidelines

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

<table>
<thead>
<tr>
<th>ABOUT</th>
<th>TYPES</th>
<th>ACCESS</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Contain cancer care recommendations that are continuously updated and revised to reflect new data and clinical information</td>
<td>• NCCN Guidelines for Treatment of Cancer by Site apply to 97% of cancer cases in the United States</td>
<td>• Free download online from NCCN.org</td>
</tr>
<tr>
<td>• NCCN Categories for Evidence and Consensus are based on the level of clinical evidence available and the degree of consensus within NCCN Guidelines Panels.</td>
<td>• NCCN Guidelines for Detection, Prevention, &amp; Risk Reduction</td>
<td>• NCCN Mobile App</td>
</tr>
<tr>
<td>• 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.</td>
<td>• NCCN Guidelines for Supportive Care</td>
<td>• Print copies</td>
</tr>
<tr>
<td>• 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. NCCN Evidence Blocks™ are included in 47 out of 51 NCCN Guidelines that include systemic therapies, which are free and available at NCCN.org.</td>
<td>• NCCN Guidelines for Specific Populations</td>
<td>• Pocket Guidelines</td>
</tr>
<tr>
<td></td>
<td>• NCCN Guidelines with NCCN Evidence Blocks™</td>
<td>• E-mail alerts (with subscription to NCCN Flash Updates™)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Health Information Technology (HIT) companies</td>
</tr>
</tbody>
</table>
In 2018, NCCN added five NEW NCCN Guidelines.

**NCCN Guidelines for Treatment of Cancer by Site**

- Acute Lymphoblastic Leukemia
- 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
- **NEW** 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
- Penile Cancer
- Primary Cutaneous Lymphomas
- Prostate Cancer
- Rectal Cancer
- Small Cell Lung Cancer
- Soft Tissue Sarcoma
- Squamous Cell Skin Cancer
- Systemic Light Chain Amyloidosis
- **NEW** Systemic Mastocytosis
- T-Cell Lymphomas
- Testicular Cancer
- Thymomas and Thymic Carcinomas
- Thyroid Carcinoma
- Uterine Neoplasms
- **NEW** Uveal Melanoma
- Vulvar Cancer
- Waldenström’s Macroglobulinemia/Lymphoplasmacytic Lymphoma

**NCCN Guidelines For Supportive Care**

- Adult Cancer Pain
- Antiemesis
- Cancer- and Chemotherapy-Induced Anemia
- Cancer-Associated Venous Thromboembolic Disease
- Cancer-Related Fatigue
- Distress Management
- **NEW** Management of Immunotherapy-Related Toxicities
- Myeloid Growth Factors
- Palliative Care
- Prevention and Treatment of Cancer-Related Infections
- Smoking Cessation
- Survivorship

**NCCN Guidelines For Specific Populations**

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

**NCCN Guidelines For Detection, Prevention, & Risk Reduction**

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

> **10.1 million downloads in 2018**

↑ **26% from 2017**

Most Frequently Downloaded NCCN Guidelines in 2018
- Breast Cancer: > 790,000 downloads
- Non-Small Cell Lung Cancer: > 560,000 downloads
- Colon Cancer: > 410,000 downloads

Largest Increase in NCCN Guidelines Downloads in 2018
- Ovarian Cancer: 60% increase
- Neuroendocrine and Adrenal Tumors: 60% increase
- Esophageal and Esophagogastric Junction Cancers: 47% increase
NCCN Guidelines Downloads

Defining Quality Care
NCCN Guidelines Derivatives

NCCN Guidelines derivatives are an integrated suite of tools to improve the quality of cancer care. They are developed and updated with information extracted directly from the NCCN Guidelines.

<table>
<thead>
<tr>
<th>Clinical Resources</th>
<th>Global Resources</th>
<th>Patient &amp; Caregiver Resources</th>
</tr>
</thead>
<tbody>
<tr>
<td>NCCN Biomarkers Compendium®</td>
<td>NCCN Harmonized Guidelines™</td>
<td>NCCN Quick Guide™ Sheets</td>
</tr>
<tr>
<td>NCCN Radiation Therapy Compendium™</td>
<td>International Adaptations and Translations</td>
<td>International Translations</td>
</tr>
<tr>
<td>NCCN Imaging Appropriate Use Criteria (NCCN Imaging AUC™)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
NCCN Clinical Resources

NCCN Guidelines clinical resources are used to support decision-making across the care continuum.

<table>
<thead>
<tr>
<th>Clinical Resources</th>
<th>Features</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>NCCN Drugs &amp; Biologics Compendium (NCCN Compendium®)</strong></td>
<td>• Contains authoritative, scientifically derived information designed to support decision-making about the appropriate use of drugs and biologics in patients with cancer&lt;br&gt;• Contains more than 3,200 active records&lt;br&gt;• Updated in conjunction with the NCCN Guidelines on a continual basis&lt;br&gt;• Recognized by public and private insurers as an authoritative reference for oncology coverage policy&lt;br&gt;• Subscription-based searchable database online at NCCN.org</td>
</tr>
<tr>
<td><strong>NCCN Biomarkers Compendium®</strong></td>
<td>• Contains information designed to support decision-making around the use of biomarkers in cancer care&lt;br&gt;• 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&lt;br&gt;• Contains 1,200 records&lt;br&gt;• Subscription-based searchable database online at NCCN.org</td>
</tr>
<tr>
<td><strong>NCCN Imaging Appropriate Use Criteria (NCCN Imaging AUC™)</strong></td>
<td>• Details all imaging recommendations included in the NCCN Guidelines&lt;br&gt;• Available for more than 50 cancer types in addition to screening and supportive care&lt;br&gt;• NCCN is recognized by Centers for Medicare &amp; Medicaid Services (CMS) as a qualified provider-led entity for creation of the NCCN Imaging AUC™&lt;br&gt;• Free searchable database online at NCCN.org&lt;br&gt;• NCCN Imaging AUC™ are available for commercial use through license of the NCCN Imaging Appropriate Use Criteria Compendium (NCCN Imaging AUC Compendium™) to organizations and Health Information Technology companies</td>
</tr>
</tbody>
</table>

Continued on next page.
NCCN Guidelines Derivatives

<table>
<thead>
<tr>
<th>Clinical Resources (continued)</th>
<th>NCCN Radiation Therapy Compendium™</th>
<th>NCCN Chemotherapy Order Templates (NCCN Templates®)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>• Includes information designed to support clinical decision-making around the use of radiation therapy in patients with cancer.</td>
<td>• Intended to improve the safe use of drugs and biologics in cancer care.</td>
</tr>
<tr>
<td></td>
<td>•Includes a full complement of radiation therapy recommendations found in the current NCCN Guidelines.</td>
<td>• Includes chemotherapy, immunotherapy, supportive care agents, monitoring parameters, and safety instructions.</td>
</tr>
<tr>
<td></td>
<td>• Contains 43 disease sites and 848 radiation therapy recommendations.</td>
<td>• Special instructions for self-administered chemotherapeutic agents also provided.</td>
</tr>
<tr>
<td></td>
<td>• Subscription-based searchable database online at NCCN.org.</td>
<td>• Contains more than 1,330 active templates.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Downloaded ~500,000 times in 2018.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Subscription-based searchable database online at NCCN.org.</td>
</tr>
</tbody>
</table>
We're working with oncologists in low- and mid-resource countries to create recommendations that encompass evidence-based best practices specific to those environments.”

Robert W. Carlson, MD, Chief Executive Officer, NCCN, pictured here with NCCN Guidelines Panel Members during a meeting with the African Cancer Coalition in Abuja, Nigeria.
NCCN Guidelines Derivatives

NCCN Global Resources

To ensure that providers and patients have access to the most up-to-date standards in cancer care, NCCN is committed to maintaining and growing a library of global resources.

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 2018

NCCN worked with the Caribbean Association for Oncology & Hematology (CAOH) to begin the development of a library of NCCN Harmonized Guidelines™ for the Caribbean.

NCCN Harmonized Guidelines™ for the Caribbean published in 2018:

- Breast Cancer
- Cervical Cancer
- Colon Cancer
- Multiple Myeloma
- Non-Small Cell Lung Cancer
- Prostate Cancer
- Rectal Cancer


- 19

Total NCCN Harmonized Guidelines™

- 26

International Adaptations and Translations

- 168

Registered users of NCCN Guidelines outside of the United States

- 46.6%

NCCN leaders and staff interact with people from around the world during the European Society for Medical Oncology (ESMO) 2018 Congress in Munich, Germany.
<table>
<thead>
<tr>
<th>Global Resources</th>
<th></th>
</tr>
</thead>
</table>
| **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  
- 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™** | - Targeted regional resources created as part of collaborative efforts to combat the skyrocketing cancer rates and unique care circumstances  
- Includes pragmatic approaches that provide effective treatment options for resource-constrained settings  
- Covers 19 cancers in Sub-Saharan Africa and ~76% of all cancers in the region  
- Includes seven cancer types in the Caribbean  
- 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  
- 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** | - 42 NCCN Guidelines have been translated  
- NCCN Guidelines Translations are available in 10 languages  
- Free online at NCCN.org and via the NCCN Mobile App |
## NCCN Guidelines Derivatives

### NCCN Patient & Caregiver Resources

The NCCN Guidelines for Patients® are translations of the NCCN Guidelines. NCCN Guidelines for Patients and NCCN Quick Guide™ sheets 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

<table>
<thead>
<tr>
<th></th>
<th>NCCN Guidelines for Patients</th>
<th>New NCCN Guidelines for Patients in 2018</th>
<th>Participants who attended 4 patient webinars in 2018</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>39</td>
<td>5</td>
</tr>
<tr>
<td></td>
<td></td>
<td>&gt; 650</td>
<td></td>
</tr>
</tbody>
</table>

NCCN distributed various NCCN Guidelines for Patients during the December 2018 NCCN Patient Advocacy Summit held in Washington, DC.
### Patient & Caregiver Resources

<table>
<thead>
<tr>
<th>Resource</th>
<th>Description</th>
</tr>
</thead>
</table>
| **NCCN Guidelines for Patients®** | - Translations of the NCCN Guidelines to help patients, families, and caregivers talk to clinicians about the best treatment options  
- Comprehensive library of NCCN Guidelines for Patients developed with support from the NCCN Foundation®  
- Free online at NCCN.org/patients and via the NCCN Mobile App |
| **NCCN Quick Guide™ Sheets**    | - Brief summaries of patient guidelines  
- Free online at NCCN.org/patients and via the NCCN Mobile App |
| **International Translations**  | - NCCN Guidelines for Patients are available in 5 languages |
In 2018, NCCN added five NEW NCCN Guidelines for Patients and one NEW translation.

**Cancer Treatment**

- Acute Lymphoblastic Leukemia
- **NEW** Acute Myeloid Leukemia
- Brain Cancer/Gliomas
- Breast Cancer
  - Noninvasive Breast Cancer
  - Invasive Breast Cancer
  - Metastatic Breast Cancer
- Chronic Lymphocytic Leukemia
- Chronic Myeloid Leukemia
- Colon Cancer
- Esophageal Cancer
- **NEW** Head and Neck Cancers
  - Oral Cancers
- **NEW** Hepatobiliary Cancers
  - Liver, Gallbladder, and Bile Duct Cancers
- Hodgkin Lymphoma
- Kidney Cancer
- Lung Cancer
  - Non-Small Cell Lung Cancer
- Malignant Pleural Mesothelioma
- Melanoma
- Multiple Myeloma
- Myelodysplastic Syndromes
- Myeloproliferative Neoplasms
- **NEW** Neuroendocrine Tumors
- Non-Hodgkin’s Lymphomas
  - Diffuse Large B-cell Lymphoma
  - Follicular Lymphoma
  - Mantle Cell Lymphoma
  - Mycosis Fungoides
  - Peripheral T-cell Lymphoma
- Ovarian Cancer
- Pancreatic Cancer
- Prostate Cancer
- Rectal Cancer
- Soft Tissue Sarcoma
- Stomach Cancer
- Thyroid Cancer
- **NEW** 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 (AYA) with Cancer

**Translations**

- Kidney Cancer
- Chinese
- Czech
- German
- Spanish
- Stomach Cancer
- **NEW** Italian
“NCCN patient resources are a blessing for people without a medical background, and they were the best gift I could have given to my family...”

Donna P., Cancer Survivor
Accessing Quality Care
Engaging Policy Makers

NCCN is committed to improving and facilitating access to high-quality, high-value care for patients with cancer and thus engages with multiple stakeholders, including health care regulators and policy makers.

To facilitate patient access to quality care as recommended by NCCN Guidelines, 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.

- > 30 State Oncology Societies engaged
- > 470 Attendees at NCCN Oncology Policy Program events in 2018
- 17 Articles, statements, comment letters, and endorsement letters written by NCCN’s Policy team in 2018

NCCN.org/policy
Everyone deserves equal access to good healthcare. I’m here to bring some understanding to why this isn’t currently the case, and to help find solutions to these inequities. I believe that with the efforts of us all, we can provide the underserved with accessible, quality healthcare.”

From a presentation at the NCCN Patient Advocacy Summit by Billy Foster (fourth from the left) of the Kidney Cancer Association (KCA), who has been living with metastatic kidney cancer for more than 20 years.
NCCN Oncology Policy Program

NCCN Policy Summit: Policy Strategies for the “New Normal” in Health Care to Ensure Access to High Quality Cancer Care
June 25, 2018, Washington, DC
- Focused on the impact of innovations and the rapidly shifting health policy landscape on access to high-quality cancer care in the United States
- Experts in the field identified strategies to ensure access to and affordability of therapies, reviewed current FDA policies, and discussed real-world implications of recent healthcare regulations and legislation
- 175 participants

NCCN Policy Summit: Policy Challenges and Opportunities to Address Changing Paradigms in Cancer Care Delivery
September 13, 2018, Washington, DC
- Reported on the findings and recommendations of an NCCN multi-stakeholder working group, discussed the current challenges to the cancer care workforce under shifting health care reform priorities, and addressed how stakeholders across the oncology ecosystem can implement best practices
- 130 participants

NCCN Patient Advocacy Summit: Advocating for Equity in Cancer Care
December 10, 2018, Washington, DC
- Collaboratively planned by NCCN and 17 patient advocacy organizations
- Provided an opportunity for a varied group of stakeholders to discuss equitable patient access to high-quality oncology care and how patient advocacy organizations can influence health care policy
- 168 participants

NCCN State Oncology Society Forum
March 24, 2018, Orlando, FL
- Provided an opportunity for exchange of best practices, discussion of relevant policy happenings, updates on NCCN initiatives, and collaborations with these state organizations to advance quality care of patients with cancer
- More than 30 societies participated

Employer & Payer Initiatives

Engaging Payers
- Utilization of NCCN Guidelines and/or derivatives for coverage determination by CMS (for Medicare) and commercial insurers/payers representing ~85% of covered lives in the United States

NCCN Employer Forum
July 11, 2018, Philadelphia, PA
- Stakeholders discussed the current state of oncology care and issues relevant in the employer space
- The NCCN Employer Advisory Group includes 16 jumbo or large employers, employer coalitions groups, and consultants that work with millions of employer sponsored plans
Engaging Stakeholders

In addition to the inclusion of NCCN content in Health Information Technology (HIT), NCCN recognizes and appreciates the significance of ensuring that providers are able to access NCCN Guidelines in whatever format they use – from mobile apps to Pocket Guidelines that fit in a lab coat pocket.

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

- **66** Health Information Technology companies license NCCN content in 2018
- **> 2.7 million** NCCN Mobile App Downloads in 2018
- **> 100,000** NCCN Pocket Guidelines distributed in 2018
- **> 690** Attendees at NCCN Academy programs
### Disseminating NCCN Content

<table>
<thead>
<tr>
<th>NCCN Content in Health Information Technologies (HIT)</th>
<th>Organizations use NCCN content in commercial products, including Health Information Technologies (HIT), through permissions and licensing arrangements</th>
<th>66 HIT companies license NCCN content in 2018</th>
</tr>
</thead>
<tbody>
<tr>
<td>NCCN Content in Electronic Health Records (EHRs)</td>
<td>EHRs which license NCCN Templates into point-of-care tools in 2018 included Cerner, Epic, Flatiron OncoEMR, IntegraCloud, and MEDITECH</td>
<td>Epic and Cerner agreements represent more than 1.7 million annual oncology visits</td>
</tr>
<tr>
<td>NCCN Flash Updates™</td>
<td>Provides timely outlines of the most recent updates to NCCN products and resources directly to subscribers and licensees inboxes. NCCN sent 178 Flash Updates in 2018</td>
<td>More than 4,000 subscribers</td>
</tr>
<tr>
<td>NCCN Pocket Guidelines</td>
<td>Pocket-sized versions of the NCCN Guidelines that serve as a valuable reference tool. Consistently selected as a preferred format by NCCN Guidelines Users</td>
<td>More than 100,000 distributed</td>
</tr>
</tbody>
</table>

### NCCN MOBILE APPS

1. **Virtual Library of NCCN Guidelines** App
   - Provides an easy-to-use and convenient format to further assist health care professionals in their implementation of the NCCN Guidelines

2. **NCCN Patient Guides for Cancer** App
   - Provides patient-friendly translations of NCCN Guidelines that can be accessed via mobile device

3. **NCCN Reimbursement Resource** App
   - Helps users navigate the oncology reimbursement landscape

NCCN.org/apps
## Engaging Stakeholders

<table>
<thead>
<tr>
<th>NCCN Academy</th>
<th>Description</th>
<th>Attendees</th>
</tr>
</thead>
</table>
| **NCCN Academy for Excellence & Leadership in Oncology™** | • Interactive program through which pharmaceutical and biotech professionals learn about pressing issues in oncology today and how to apply this knowledge  
• Two 2018 meetings were held in Orlando, Florida and Philadelphia, Pennsylvania | 342 attendees |
| **NCCN Global Academy for Excellence & Leadership in Oncology™** | • Interactive program focused on pressing issues in the global oncology environment  
• The 2018 meeting was held in October in Munich, Germany | 51 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  
• Five NCCN Customized Academy programs were held in 2018 | 300 attendees |

The NCCN Academy event held at the NCCN 2018 Annual Conference.
| NCCN Corporate Council | • Members work to enhance collaborative efforts between pharmaceutical, biotechnology, and diagnostic companies and NCCN to better serve patients  
• Two 2018 NCCN Corporate Council meetings were held in Orlando, Florida and Philadelphia, Pennsylvania | 79 members |
| NCCN Global Corporate Council | • Convened to advance 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 2018 meeting was held in October in Munich, Germany | 23 members |
Improving Quality Care
Improving Care Through Education

The mission of NCCN’s Continuing Education (CE) Program is to improve patient outcomes by educating the interprofessional oncology care team on the application of evidence-based medicine and adherence to NCCN Guidelines 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 2018

The NCCN Pharmacy Updates™ Webinar Series engaged thousands of pharmacists, nurses, and other members of the oncology care team to review new therapeutic options and novel therapies.

> 41,500 Total participants in 2018 NCCN Continuing Education activities

> 180 Educational activities in 2018

> 36,000 Continuing Education Credits earned by participants in 2018 NCCN Continuing Education activities
We are listening to you, we are learning, and we’re trying to improve care for cancer patients.”

From a keynote address at the NCCN Annual Conference by Ron Kline, MD, FAAP, Medical Officer, Center for Medicare & Medicaid Innovation (CMMI), Centers for Medicare & Medicaid Services (CMS)
<table>
<thead>
<tr>
<th>Event Description</th>
<th>Details</th>
<th>Attendees/Viewers</th>
</tr>
</thead>
<tbody>
<tr>
<td>NCCN 2018 Annual Conference: Improving the Quality, Effectiveness, and Efficiency of Cancer Care™</td>
<td>Live meeting held March 22 – 24, 2018, Orlando, FL</td>
<td>Conference attendees: 1,613 Recorded webcast viewers: 9,026</td>
</tr>
<tr>
<td></td>
<td>Recordings posted at education.nccn.org</td>
<td></td>
</tr>
<tr>
<td>NCCN 2018 Nursing Program: Advancing Oncology Nursing™</td>
<td>Live meeting held during NCCN Annual Conference</td>
<td>Meeting attendees: 212 Webinar attendees: 1,164 Recorded webcast viewers: 1,265</td>
</tr>
<tr>
<td></td>
<td>7 live webinars in 2018</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Recordings posted at education.nccn.org</td>
<td></td>
</tr>
<tr>
<td>NCCN 2018 Oncology Fellows Program: New Horizons in Quality Cancer Care™</td>
<td>Live meeting held during NCCN Annual Conference</td>
<td>Meeting attendees: 67</td>
</tr>
<tr>
<td>NCCN 2018 Nursing Forum: Advancing Oncology Nursing in Hematologic Malignancies™</td>
<td>Live meeting held during NCCN Annual Conference</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Recordings posted at education.nccn.org</td>
<td></td>
</tr>
<tr>
<td>NCCN Annual Conference Satellite Symposium on biosimilars, non-small cell lung cancer (NSCLC), and hepatocellular carcinoma</td>
<td>Live meetings held during NCCN Annual Conference</td>
<td>Meeting attendees: 520 Recorded webcast viewers: 1,073</td>
</tr>
<tr>
<td></td>
<td>Recordings posted at education.nccn.org</td>
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</tr>
<tr>
<td>NCCN Annual Congress: Hematologic Malignancies™</td>
<td>Live meeting held September 21 – 22, 2018, New York, NY</td>
<td>Meeting attendees: 500 Recorded webcast viewers: 2,056</td>
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<tr>
<td></td>
<td>Recordings posted at education.nccn.org</td>
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</tr>
<tr>
<td>NCCN 2018 Nursing Forum: Advancing Oncology Nursing in Hematologic Malignancies™</td>
<td>Live meeting held during NCCN Annual Conference</td>
<td>Meeting attendees: 85 Recorded webcast viewers: 286</td>
</tr>
<tr>
<td></td>
<td>Recordings posted at education.nccn.org</td>
<td></td>
</tr>
<tr>
<td>NCCN Annual Congress: Hematologic Malignancies™ Satellite Symposium on B-cell lymphomas</td>
<td>Live meeting held during NCCN Annual Conference</td>
<td>Meeting attendees: 150 Recorded webcast viewers: 95</td>
</tr>
<tr>
<td></td>
<td>Recordings posted at education.nccn.org</td>
<td></td>
</tr>
<tr>
<td>NCCN 2018 Congress Series™: Breast Cancer with Updates from the 2017 San Antonio Breast Cancer Symposium</td>
<td>Live meeting held February 9, 2018, Chicago, IL</td>
<td>Meeting attendees: 123 Webinar attendees: 2,153 Recorded webcast viewers: 3,378</td>
</tr>
<tr>
<td></td>
<td>8 live webinars in 2018</td>
<td></td>
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<tr>
<td></td>
<td>Recordings posted at education.nccn.org</td>
<td></td>
</tr>
<tr>
<td>NCCN 2018 Congress Series™: Acute Leukemia</td>
<td>Live meeting held August 15, 2018, Columbus, OH</td>
<td>Meeting attendees: 90 Webinar attendees: 1,074 Recorded webcast viewers: 154</td>
</tr>
<tr>
<td></td>
<td>4 live webinars in 2018</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Recordings posted at education.nccn.org</td>
<td></td>
</tr>
</tbody>
</table>
## Improving Care Through Education

<table>
<thead>
<tr>
<th>NCCN Continuing Education Activities</th>
<th>Details</th>
</tr>
</thead>
</table>
| **NCCN Monthly Oncology Tumor Board Series™: A Multidisciplinary Approach to Individualized Patient Care** | • 12 live webinars in 2018  
• Recordings posted at education.nccn.org  
• Webinar attendees: 1,749  
• Recorded webcast viewers: 2,967 |
| **NCCN 2018-2019 Oncology Case Manager and Medical Director Program™ (2018 dates)** | • 2 live webinars in 2018  
• Recordings posted at education.nccn.org  
• Webinar attendees: 856  
• Recorded webcast viewers: 65 |
| **NCCN Pharmacy Updates™ Webinar Series** | • 12 live webinars in 2018  
• Recordings posted at education.nccn.org  
• Webinar participants: 3,174  
• Recorded webcast viewers: 1,393 |
| **Emerging Strategies in the Upfront Treatment of Hodgkin Lymphoma** | • 2 live webinars in 2018  
• Recordings posted at education.nccn.org  
• Webinar participants: 267  
• Recorded webcast viewers: 820 |
| **NCCN Task Force: Chimeric Antigen Receptor T-Cell Therapy** | • 1 Task Force report published in JNCCN  
• 1 live webinar in 2018  
• Recording and report posted at education.nccn.org  
• Readers: 711  
• Webinar attendees: 798  
• Recorded webcast viewers: 288 |
| **Prostate Cancer Patient Management Simulator** | • Clinicians practice prostate cancer management in authentic scenarios within a virtual clinical training environment  
• Participants: 1,239 |
| **NCCN Guidelines® Insights** | • 12 articles published in JNCCN  
• Participants: 2,778 |
Improving Care Through Research

NCCN Oncology Research Program (ORP)

The NCCN ORP strives to improve the quality of life for patients and reduce cancer-related deaths by advancing cancer therapies through research. To achieve this goal, the ORP supports oncology preclinical, translational, and clinical research at NCCN Member Institutions. The ORP develops and maintains strong alliances with industry and actively facilitates collaborations between academia and industry drug developers, making important scientific strides in the field of oncology.

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

New in 2018

The ORP announced projects that included:
- A broadened use of the NCCN Shared Resources Database to allow access to all cancer centers in the United States;
- A collaboration with Eli Lilly and Company on a quality improvement project in gastric cancer;
- Receiving a $2 million research grant from Taiho Oncology to study trifluridine/tipiracil in GI malignancies and other solid tumors; and
- Receiving a $2 million research grant from Eli Lilly and Company to study abemaciclib and mechanisms of resistance to CDK4 & 6 inhibitors

134

$6.25 million

18

134

$6.25 million

18

Posters approved; 121 presented at the NCCN 2018 Annual Conference General Poster Session

Received for research at NCCN Member Institutions in 2018

Ongoing YIA projects through 2018, funded by NCCN Foundation

NCCN.org/ ORP
Improving Care Through Research

<table>
<thead>
<tr>
<th>NCCN Oncology Research Program</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>NCCN Informed Consent Language (ICL) Database</strong></td>
</tr>
<tr>
<td>• Comprehensive resource to assist researchers and clinical operations personnel with writing and amending informed consents for study participants</td>
</tr>
<tr>
<td>• Free access at NCCN.org</td>
</tr>
<tr>
<td><strong>NCCN Points to Consider on the Best Practices for Biorepositories, Registries, and Databases</strong></td>
</tr>
<tr>
<td>• 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</td>
</tr>
<tr>
<td>• Provides applicable principles, strategies, basic considerations, and best practices, with suggestions and examples to satisfy national and international standards, funding agency and institutional requirements</td>
</tr>
<tr>
<td>• Free access at NCCN.org</td>
</tr>
<tr>
<td><strong>NCCN Shared Resources Database</strong></td>
</tr>
<tr>
<td>• Enables collaborative research among cancer centers</td>
</tr>
<tr>
<td>• Database through which investigators share more than 240 unique assets, including complex technologies, instrumentation facilities, human tissue specimens, animal models, and specialized databases</td>
</tr>
<tr>
<td>• Free access for registered users of NCCN.org</td>
</tr>
</tbody>
</table>

Elias Obeid, MD, MPH, a 2016 NCCN Young Investigator Award recipient from Fox Chase Cancer Center, presented his research during the General Poster Session at the NCCN 2018 Annual Conference.
NCCN Foundation Young Investigator Awards (YIA) Program

The NCCN Foundation YIA Program works with the NCCN ORP 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 advancement. Awardee research is highlighted in many scientific health care publications and journals.

Since the program’s inception in 2011, the NCCN Foundation has awarded more than $5.9 million to 41 young investigators from NCCN Member Institutions.

**2018 Awardees:**

**Rebecca Arend, MD**
University of Alabama at Birmingham
Comprehensive Cancer Center
The Role of TGF-β in Immune Suppression in Suboptimally Debulked Ovarian Cancer Patients

**Yin Cao, MPH, ScD**
Siteman Cancer Center at Barnes-Jewish Hospital
and Washington University School of Medicine
Disparities in Young-Onset Colorectal Cancer Survival According to Patient, Treatment, and Tumor Molecular Characteristics

**Tim Luetkens, MD**
Huntsman Cancer Institute at the University of Utah
CD229 Chimeric Antigen Receptor T Cells for the Treatment of Multiple Myeloma

**Edwin R. Manuel, PhD**
City of Hope National Medical Center
Altering the Local Immune Landscape in Lung Cancer to Improve Anti-PD-1 Therapy

**Cecilia Yeung, MD**
Fred Hutchinson Cancer Research Center/
Seattle Cancer Care Alliance
Optimization of a Rapid Point of Care Device for Acute Promyelocytic Leukemia Diagnosis and Therapy Guidance
**JNCCN—Journal of the National Comprehensive Cancer Network**

*JNCCN* is dedicated to improving the quality of cancer care locally, nationally, and internationally while enhancing the collaboration between academic medicine and the community physician. Peer reviewed and PubMed-indexed, the journal provides the latest information about clinical best practices, oncology outcomes, and 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 2018**

*JNCCN* introduced new associate editors, who reflect the journal’s growing focus on original research designed to improve the quality of cancer care delivery, worldwide.

> Our greater focus on original research helps us build on the strength of the NCCN Guidelines we publish, and furthers NCCN’s mission to improve the quality, effectiveness, and efficiency of care so that patients can live better lives...The studies we publish are changing the way people with cancer receive treatment by drawing attention to where we fall short and highlighting how we can do better.”

*Margaret A. Tempero, MD, JNCCN Editor-in-Chief*
JNCCN—Journal of the National Comprehensive Cancer Network

- 13 issues per year including a special edition on the NCCN Annual Conference
- Available in print and online with a subscription

JNCCN 360

- A 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 JNCCN.org
2018 Awardees

Every year, NCCN recognizes outstanding contributions from team members.

Rodger Winn Award

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

Dr. Denlinger is the first and only NCCN Guidelines Panel Chair who began her relationship with NCCN as a participant in the NCCN Fellows Program. The one-time NCCN Foundation Young Investigator Award recipient now sits on two guidelines panels, including serving as Chair of the NCCN Guidelines Panel for Survivorship. The award is in memory of the first leader of the NCCN Guidelines Program who was instrumental in its creation.

Board of Producers Awards

Warren Smedley, MSHA
University of Alabama at Birmingham Comprehensive Cancer Center

Ronald Walters, MD, MBA, MHA, MS
University of The University of Texas MD Anderson Cancer Center

Warren Smedley and Dr. Ron Walters were both honored as individuals who have made major contributions to NCCN over the years. They are unsung heroes who have provided exemplary service in helping NCCN achieve its mission through their passion to improve the care of people with cancer.

Partners in Cancer Care Award

Abdul-Rahman Jazieh, MD, MPH
King Saud bin Abdulaziz University for Health Sciences

Dr. Jazieh recognized the economic diversity in the region and spearheaded efforts to provide appropriate guidelines for both high- and low-resource communities. He worked with the Ministries of Health in Abu Dhabi and Saudi Arabia to secure funding for ongoing work and opened an office in Riyadh to support those efforts.

Pat Daulerio Employee of the Year Award

Kristin Kline Hasson
NCCN

Kristin Hasson was named 2018’s Employee of the Year by her peers at NCCN. In honor of Pat Daulerio’s contributions during her many years of service, NCCN recognizes an employee who exemplifies Pat's loyalty, dedication, and commitment to NCCN's mission. Kristin had worked with Pat and was moved to receive an honor in her name.
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City of Hope National Medical Center

As of December 31, 2018
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Kidney Cancer

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Neuroendocrine Tumors

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Myeloproliferative Neoplasms

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NCCN Leadership
Non-Melanoma Skin Cancer

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Pancreatic Adenocarcinoma

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Roswell Park Comprehensive Cancer Center

**Emmanuel S. Antonarakis, MD**
The Sidney Kimmel Comprehensive Cancer Center at Johns Hopkins

**Andrew J. Armstrong, MD, ScM**
Duke Cancer Institute

**Luke D. Maese, DO**
Huntsman Cancer Institute at the University of Utah

**Kris M. Mahadeo, MD, MPH**
The University of Texas

**Monica Senior, MD**
Mayo Clinic Cancer Center

**Alicia C. Phillips, PhD**
City of Hope National Medical Center

**James A. Eastham, MD**
Memorial Sloan Kettering Cancer Center

**James L. Mohler, MD / Chair**
Roswell Park Comprehensive Cancer Center

**Emmanuel S. Antonarakis, MD**
The Sidney Kimmel Comprehensive Cancer Center at Johns Hopkins

**Andrew J. Armstrong, MD, ScM**
Duke Cancer Institute

**Luke D. Maese, DO**
Huntsman Cancer Institute at the University of Utah

**Kris M. Mahadeo, MD, MPH**
The University of Texas

**Monica Senior, MD**
Mayo Clinic Cancer Center

**Alicia C. Phillips, PhD**
City of Hope National Medical Center

**Small Cell Lung Cancer**

**Gregory P. Kalemkerian, MD / Chair**
University of Michigan Rogel Cancer Center

**Bilal S. Khan, MD, PhD**
University of Michigan Rogel Cancer Center

**Billy W. Loo, Jr., MD, PhD / Vice-Chair**
Stanford Cancer Institute
Wallace Akerley, MD  
Huntsman Cancer Institute  
at the University of Utah  
Michael Bassetti, MD  
University of Wisconsin Carbone Cancer Center  
Collin Blakely, MD, PhD  
UCSF Helen Diller Family  
Comprehensive Cancer Center  
Yanis Boumber, MD, PhD  
Fox Chase Cancer Center  
Alberto Chiappori, MD  
Moffitt Cancer Center  
Thomas A. D’Amico, MD  
Duke Cancer Institute  
Roy Decker, MD, PhD  
Yale Cancer Center/Smilow Cancer Hospital  
Michael Dobbelbower, MD, PhD  
University of Alabama at Birmingham  
Comprehensive Cancer Center  
Afshin Dowlati, MD  
Case Comprehensive Cancer Center/University Hospitals Seidman Cancer Center and Cleveland Clinic Taussig Cancer Institute  
Robert J. Downey, MD  
Memorial Sloan Kettering Cancer Center  
Anna Farago, MD, PhD  
Dana-Farber/Brigham and Women’s Cancer Center | Massachusetts General Hospital Cancer Center  
Charles Florsheim, JD  
Patient Advocate  
Apar Kishor P. Ganti, MD  
Fred & Pamela Buffett Cancer Center  
Kathryn A. Gold, MD  
UC San Diego Moores Cancer Center  
John Grecula, MD  
The Ohio State University Comprehensive Cancer Center - James Cancer Hospital and Solove Research Institute  
Christine L. Hann, MD, PhD  
The Sidney Kimmel Comprehensive Cancer Center at Johns Hopkins  
Jim A. Hayman, MD, MBA  
University of Michigan Rogel Cancer Center  
Wade T. Iams, MD  
Vanderbilt-Ingram Cancer Center  
Mariana Koczywas, MD  
City of Hope National Medical Center  
Robert E. Merritt, MD  
The Ohio State University Comprehensive Cancer Center - James Cancer Hospital and Solove Research Institute  
Nisha A. Mohindra, MD  
Robert H. Lurie Comprehensive Cancer Center of Northwestern University  
Julian Molina, MD, PhD  
Mayo Clinic Cancer Center  
Cesar A. Moran, MD  
The University of Texas  
MD Anderson Cancer Center  
Daniel Mangensztern, MD  
Siteman Cancer Center at Barnes-Jewish Hospital and Washington University School of Medicine  
Saraswati Pokharel, MD  
Roswell Park Comprehensive Cancer Center  
David C. Portnoy, MD  
St. Jude Children’s Research Hospital/University of Tennessee Health Science Center  
Deborah J. Rhodes, MD  
Mayo Clinic Cancer Center  
Chad Rusthoven, MD  
University of Colorado Cancer Center  
Jacob Sands, MD  
Dana-Farber/Brigham and Women’s Cancer Center | Massachusetts General Hospital Cancer Center  
Rafael Santana-Davila, MD  
Fred Hutchinson Cancer Research Center/Seattle Cancer Care Alliance  
Kristen N. Ganjoo, MD  
Stanford Cancer Institute  
Suzanne George, MD  
Dana-Farber/Brigham and Women’s Cancer Center | Massachusetts General Hospital Cancer Center  
Ricardo J. Gonzalez, MD  
Moffitt Cancer Center  
Martin J. Heslin, MD  
University of Alabama at Birmingham Comprehensive Cancer Center  
Vicki Keedy, MD, MSCI  
Vanderbilt-Ingram Cancer Center  
Edward Kim, MD  
Fred Hutchinson Cancer Research Center/Seattle Cancer Care Alliance  
Joel L. Mayerson, MD  
The Ohio State University Comprehensive Cancer Center - James Cancer Hospital and Solove Research Institute  
Martin McCarter, MD  
University of Colorado Cancer Center  
Sean V. McGarry, MD  
Fred & Pamela Buffett Cancer Center  
Christian Meyer, MD, PhD  
The Sidney Kimmel Comprehensive Cancer Center at Johns Hopkins  
Zachary S. Morris, MD, PhD  
University of Wisconsin Carbone Cancer Center  
Richard O’Donnell, MD  
UCSF Helen Diller Family Comprehensive Cancer Center  
Alberto S. Pappo, MD  
St. Jude Children’s Research Hospital/University of Tennessee Health Science Center  
L. Benjamin Paz, MD  
City of Hope National Medical Center  
Ivy A. Peterson, MD  
Mayo Clinic Cancer Center  
Richard F. Riedel, MD  
Duke Cancer Institute  
Bernice Ruo, MD  
Robert H. Lurie Comprehensive Cancer Center of Northwestern University  
Scott Schuetze, MD, PhD  
University of Michigan Rogel Cancer Center  
Dale Shepard, MD, PhD  
Case Comprehensive Cancer Center/University Hospitals Seidman Cancer Center and Cleveland Clinic Taussig Cancer Institute  
Jason K. Sicklick, MD  
UC San Diego Moores Cancer Center  
William D. Tap, MD  
Memorial Sloan Kettering Cancer Center  
Jeffrey D. Wayne, MD  
Robert H. Lurie Comprehensive Cancer Center of Northwestern University  

**T-Cell/Primary Cutaneous Lymphomas**

Steven Horwitz, MD / Chair  
Memorial Sloan Kettering Cancer Center  
Stephen Ansell, MD, PhD / Vice-Chair  
Mayo Clinic Cancer Center  
Weiyun Z. Ai, MD, PhD  
UCSF Helen Diller Family Comprehensive Cancer Center  
Jeffrey Barnes, MD, PhD  
Dana-Farber/Brigham and Women’s Cancer Center | Massachusetts General Hospital Cancer Center  
Mark W. Clemens, MD  
The University of Texas  
MD Anderson Cancer Center  
Ahmet Dogan, MD, PhD  
Memorial Sloan Kettering Cancer Center  
Francine M. Foss, MD  
Yale Cancer Center/Smilow Cancer Hospital  
Aaron M. Goodman, MD  
UC San Diego Moores Cancer Center  
Joan Guitart, MD  
Robert H. Lurie Comprehensive Cancer Center of Northwestern University  
Ahmad Halwani, MD  
Huntsman Cancer Institute at the University of Utah  
Bradley M. Havens, MD, MPH, MS  
University of Colorado Cancer Center  
Richard T. Hoppe, MD  
Stanford Cancer Institute  
Eric Jacobsen, MD  
Stanford Cancer Institute  
Richard T. Hoppe, MD  
MD Anderson Cancer Center  
Bradley M. Havens, MD, MPH, MS  
University of Colorado Cancer Center  
William J. Stage, MD  
Memorial Sloan Kettering Cancer Center  
Steven Horwitz, MD / Chair  
Memorial Sloan Kettering Cancer Center  

**Soft Tissue Sarcoma**

Margaret Von Mehren, MD / Chair  
Fox Chase Cancer Center  
John M. Kane III, MD / Vice-Chair  
Roswell Park Comprehensive Cancer Center  
Robert S. Benjamin, MD  
The University of Texas  
MD Anderson Cancer Center  
Marilyn M. Bui, MD, PhD  
Moffitt Cancer Center  
Edwin Choy, MD, PhD  
Dana-Farber/Brigham and Women’s Cancer Center | Massachusetts General Hospital Cancer Center  
Weiyun Z. Ai, MD, PhD  
UCSF Helen Diller Family Comprehensive Cancer Center  
Christian Meyer, MD, PhD  
The Sidney Kimmel Comprehensive Cancer Center at Johns Hopkins  
Zachary S. Morris, MD, PhD  
University of Wisconsin Carbone Cancer Center  
Richard O’Donnell, MD  
UCSF Helen Diller Family Comprehensive Cancer Center  
Alberto S. Pappo, MD  
St. Jude Children’s Research Hospital/University of Tennessee Health Science Center  
I. Benjamin Paz, MD  
City of Hope National Medical Center  
Ivy A. Peterson, MD  
Mayo Clinic Cancer Center  
Richard F. Riedel, MD  
Duke Cancer Institute  
Bernice Ruo, MD  
Robert H. Lurie Comprehensive Cancer Center of Northwestern University  
Scott Schuetze, MD, PhD  
University of Michigan Rogel Cancer Center  
Dale Shepard, MD, PhD  
Case Comprehensive Cancer Center/University Hospitals Seidman Cancer Center and Cleveland Clinic Taussig Cancer Institute  
Jason K. Sicklick, MD  
UC San Diego Moores Cancer Center  
William D. Tap, MD  
Memorial Sloan Kettering Cancer Center  
Jeffrey D. Wayne, MD  
Robert H. Lurie Comprehensive Cancer Center of Northwestern University  

**NCCN Leadership**
Testicular Cancer

Timothy D. Gilligan, MD, MS / Chair
Case Comprehensive Cancer Center / University Hospitals Seidman Cancer Center and Cleveland Clinic Taussig Cancer Institute

Jasmine Zain, MD
Ryan Wilcox, MD, PhD
Carlos Torres-Cabala, MD
Pallawi Torka, MD
Andrei Shustov, MD
Saurabh A. Rajguru, MD
Barbara Pro, MD
Edward N. Rampersaud, MD
Soroush Rais-Bahrami, MD
Phillip M. Pierorazio, MD
Alicia K. Morgans, MD, MPH
Paul Monk, MD
Robert I. Haddad, MD / Chair
Dana-Farber/Broad and Women’s Cancer Center | Massachusetts General Hospital Cancer Center

Daniel W. Lin, MD / Vice-Chair
Fred Hutchinson Cancer Research Center / Seattle Cancer Care Alliance
Rahul Aggarwal, MD
UCSF Helen Diller Family Comprehensive Cancer Center
David D. Chism, MD, MS
Vanderbilt-Ingram Cancer Center
Nicholas G. Cost, MD
University of Colorado Cancer Center
Ithaar H. Derweesh, MD
UC San Diego Moores Cancer Center
Hamid Esmailkhoo, MD
University of Wisconsin Carbone Cancer Center
Darren R. Feldman, MD
Memorial Sloan Kettering Cancer Center
Daniel M. Geynisman, MD
Fox Chase Cancer Center
Steven L. Hancock, MD
Stanford Cancer Institute
Chad A. LaGrange, MD, FACS
Fred & Pamela Buffett Cancer Center
Ellis G. Levine, MD
Roswell Park Comprehensive Cancer Center
William Lowrance, MD, MPH
Huntsman Cancer Institute
at the University of Utah
Bradley A. McGregor, MD
Dana-Farber/Brighton and Women’s Cancer Center | Massachusetts General Hospital Cancer Center
Paul Monk, MD
The Ohio State University Comprehensive Cancer Center - James Cancer Hospital and Solove Research Institute
Alícia K. Morgans, MD, MPH
Robert H. Lurie Comprehensive Cancer Center of Northwestern University
Joel Picus, MD
Siteman Cancer Center at Barnes-Jewish Hospital and Washington University School of Medicine
Phillip M. Pierorazio, MD
The Sidney Kimmel Comprehensive Cancer Center at Johns Hopkins
Soroush Raia-Bahrami, MD
University of Alabama at Birmingham Comprehensive Cancer Center
Edward N. Rampersaud, MD
Duke Cancer Institute

Phil Saylor, MD
Dana-Farber/Brighton and Women’s Cancer Center | Massachusetts General Hospital Cancer Center
Kanishka Sircar, MD
The University of Texas MD Anderson Cancer Center
David C. Smith, MD
University of Michigan Rogel Cancer Center
Katherine Tzou, MD
Mayo Clinic Cancer Center
Daniel Vaena, MD
St. Jude Children’s Research Hospital / The University of Tennessee Health Science Center
Kosj Yamao, MD, PhD
Moffitt Cancer Center
Jonathan Yarmzon, MD
City of Hope National Medical Center
James Yu, MD, MHS
Yale Cancer Center/Smilocow Hospital Cancer Center

Thyroid Carcinoma

Robert I. Haddad, MD / Chair
Dana-Farber/Broad and Women’s Cancer Center | Massachusetts General Hospital Cancer Center

Lindsay A. Bischoff, MD / Vice-Chair
Vanderbilt-Ingram Cancer Center
Nafaa Busaidy, MD, FACP
The University of Texas MD Anderson Cancer Center
Glenda Callender, MD, FACS
Yale Cancer Center/Smilocow Hospital Cancer Center
Paxton Dickson, MD
St. Jude Children’s Research Hospital / The University of Tennessee Health Science Center
Quan-Yang Duh, MD
UCSF Helen Diller Family Comprehensive Cancer Center
Hormoz Ehyia, MD
Fox Chase Cancer Center
Whitney S. Goldner, MD
Fred & Pamela Buffett Cancer Center
Megan Haymart, MD
University of Michigan Rogel Cancer Center
Carl K. Hoh, MD
UC San Diego Moores Cancer Center

NCCN 2018 Annual Report
NCCN GUIDELINES FOR DETECTION, PREVENTION, & RISK REDUCTION

Breast Cancer Risk Reduction

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

John H. Ward, MD / Vice-Chair
Huntsman Cancer Institute at the University of Utah
Banu K. Arun, MD
The University of Texas MD Anderson Cancer Center

Graham A. Colditz, MD, DrPH, FAFPHM
Siteman Cancer Center at Barnes-Jewish Hospital and Washington University School of Medicine

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

Shipra Gandhi, MD
Roswell Park Comprehensive Cancer Center

Judy E. Garber, MD, MPH
Dana-Farber/B Brigham and Women’s Cancer Center | Massachusetts General Hospital Cancer Center

Mary L. Gemignani, MD
Memorial Sloan Kettering Cancer Center
Heidi A. Goodwin, WHCNP
Case Comprehensive Cancer Center/University Hospitals Seidman Cancer Center and Cleveland Clinic Taussig Cancer Institute

William J. Gradishar, MD
Robert H. Lurie Comprehensive Cancer Institute of Northwestern University

Eric Hofstatter, MD
Yale Cancer Center/Smilow Cancer Hospital

Shelley Hwang, MD, MPH
Duke Cancer Institute

Lisa Jacobs, MD
The Sidney Kimmel Comprehensive Cancer Center at Johns Hopkins

Judith A. Jordan, BS
The University of Texas MD Anderson Cancer Center

Nicole Kounalakis, MD
University of Colorado Cancer Center

Allison W. Kurian, MD, MSc
Stanford Cancer Institute

Loretta S. Loftus, MD, MBA
Moffitt Cancer Center

Sofia D. Merajver, MD, PhD
University of Michigan Rogel Cancer Center

Ingrid Meszoely, MD
Vanderbilt- Ingram Cancer Center

Joanne Mortimer, MD, FACP
City of Hope National Medical Center

Catherine C. Parker, MD
University of Alabama at Birmingham Comprehensive Cancer Center

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

Sanhya Pruthi, MD
Mayo Clinic Cancer Center

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

Michelle C. Specht, MD
Dana-Farber/Brigham and Women’s Cancer Center | Massachusetts General Hospital Cancer Center

Pavan Kumar Tandra, MD
UC San Diego Moores Cancer Center

Fred & Pamela Buffett Cancer Center

Anne Wallace, MD, FACS
UC San Diego Moores Cancer Center

Lee G. Wilke, MD
University of Wisconsin Carbone Cancer Center

Rachel Yung, MD
Fred Hutchinson Cancer Research Center/Seattle Cancer Care Alliance

Breast Cancer Screening and Diagnosis

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

Mark Helvie, MD / Vice-Chair
University of Michigan Rogel Cancer Center
Ermelinda Bonaccio, MD
Roswell Park Comprehensive Cancer Center
Kristine E. Calhoun, MD
Fred Hutchinson Cancer Research Center/Seattle Cancer Care Alliance

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

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

Constance Dobkins 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

Judy E. Garber, MD, MPH
Dana-Farber/Brigham and Women’s Cancer Center | Massachusetts General Hospital Cancer Center

Richard Gray, MD
Mayo Clinic Cancer Center

Rachel Greenup, MD, MPH
Duke Cancer Institute

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

Teresa Helsten, MD
UC San Diego Moores Cancer Center

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

Tamarya L. Hoyt, MD
Vanderbilt- Ingram Cancer Center

John G. Huff, MD
Vanderbilt- Ingram Cancer Center

Maxine S. Jochelson, MD
Memorial Sloan Kettering Cancer Center

Bethany L. Niell, MD, PhD
Moffitt Cancer Center

Catherine C. Parker, MD
University of Alabama at Birmingham Comprehensive Cancer Center

Mark Pearlman, MD
University of Michigan Rogel Cancer Center

Liane Philpotts, MD
Yale Cancer Center/Smilow Cancer Hospital

Donna Plecha, MD
Case Comprehensive Cancer Center/University Hospitals Seidman Cancer Center and Cleveland Clinic Taussig Cancer Institute

Mary Lou Smith, MBA, JD
Patient Advocate

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

Lusine Tumanyan, MD
City of Hope National Medical Center

Cheryl Williams, MD
Fred & Pamela Buffett Cancer Center

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

Genetic/Familial High-Risk Assessment: Breast and Ovarian

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

Robert PilarSKI, MS, MSW, CGC / Vice-Chair
The Ohio State University Comprehensive Cancer Center - James Cancer Hospital and Solove Research Institute

Michael P. Berry, MD, FACS
St. Jude Children’s Research Hospital/The University of Tennessee Health Science Center

Saundra S. Buys, MD
Huntsman Cancer Institute at the University of Utah

Susan Friedman, DVM
Patient Advocate

Judy E. Garber, MD, MPH
Dana-Farber/Brigham and Women’s Cancer Center | Massachusetts General Hospital Cancer Center

Mollie Hutton, MS, CGC
Roswell Park Comprehensive Cancer Center

Noah D. Kauff, MD
Duke Cancer Institute

Seema Khan, MD
Robert H. Lurie Comprehensive Cancer Center of Northwestern University

Catherine Klein, MD
University of Colorado Cancer Center

Wendy Kohlmann, MS, CGC
Huntsman Cancer Institute at the University of Utah
Genetic: Colorectal/Colorectal Cancer Screening
Dawn Provenzale, MD, MS / Chair
Duke Cancer Institute
Samir Gupta, MD / Vice-Chair
UC San Diego Moores Cancer Center

Lung Cancer Screening
Douglas E. Wood, MD, FACS, FRCSEd / Chair
Fred Hutchinson Cancer Research Center/Seattle Cancer Care Alliance
Elia A. Kazerouni, MD, MS / Vice-Chair
University of Michigan Rogel Cancer Center

Arnold Markowitz, MD
Memorial Sloan Kettering Cancer Center
Robert J. Mayer, MD
Dana-Farber/Brigham and Women’s Cancer Center | Massachusetts General Hospital Cancer Center
June Mikkelsen, MS, CGC
Roswell Park Comprehensive Cancer Center
Reid M. Neiss, MD, MPH
Vanderbilt-Ingram Cancer Center
Shajen Peter, MD
University of Alabama at Birmingham Comprehensive Cancer Center
Scott E. Reifenbogen, MD, MPH
University of Michigan Rogel Cancer Center
Jewel Samaddar, MD
Mayo Clinic Cancer Center
Thomas P. Slavin, Jr., MD
City of Hope National Medical Center
Jennifer M. Weiss, MD, MS
University of Wisconsin Carbone Cancer Center

Rudy P. Lackner, MD
Fred & Pamela Buffett Cancer Center
Lorriana E. Leard, MD
UCSF Helen Diller Family Comprehensive Cancer Center
Inga T. Lennnes, MD, MBA, MPH
Dana-Farber/Brigham and Women’s Cancer Center | Massachusetts General Hospital Cancer Center
Ann N. Leung, MD
Stanford Cancer Institute
Pierre P. Massion, MD
Vanderbilt-Ingram Cancer Center
Peter Mazzone, MD, MPH
Case Comprehensive Cancer Center/University Hospitals Seidman Cancer Center and Cleveland Clinic Taussig Cancer Institute
Robert E. Merritt, MD
The Ohio State University Comprehensive Cancer Center - James Cancer Hospital and Solove Research Institute
David E. Midthun, MD
Mayo Clinic Cancer Center
Mark Onatatis, MD
UC San Diego Moores Cancer Center
Sudhakar Pipavath, MD
Fred Hutchinson Cancer Research Center/Seattle Cancer Care Alliance
Christie Pratt, DHSc, MA
Moffitt Cancer Center
Varun Puri, MD, MSCI
Siteman Cancer Center at Barnes-Jewish Hospital and Washington University School of Medicine
Chakkrapharty Reddy, MD
Huntsman Cancer Institute at the University of Utah
Mary E. Reid, PhD
Roswell Park Comprehensive Cancer Center
Arnold J. Rotter, MD
City of Hope National Medical Center
Peter B. Sachs, MD
University of Colorado Cancer Center
Jacob Sands, MD
Dana-Farber/Brigham and Women’s Cancer Center | Massachusetts General Hospital Cancer Center
Matthew B. Schabath, PhD
Moffitt Cancer Center
Prostate Cancer Early Detection

Peter R. Carroll, MD, MPH / Chair
UCSF Helen Diller Family Comprehensive Cancer Center

J. Kellogg Parsons, MD, MHS / Vice-Chair
UC San Diego Moores Cancer Center

Robert R. Bahnsen, MD
The Ohio State University Comprehensive Cancer Center - James Cancer Hospital and Solove Research Institute

Sigrid V. Carlsson, MD, PhD, MPH
Memorial Sloan Kettering Cancer Center

Erik P. Castle, MD
Mayo Clinic Cancer Center

William J. Catalona, MD
Robert H. Lurie Comprehensive Cancer Center of Northwestern University

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

John W. Davis, MD
The University of Texas MD Anderson Cancer Center

Jonathan I. Epstein, MD
The Sidney Kimmel Comprehensive Cancer Center at Johns Hopkins

Ruth B. Etzioni, PhD
Fred Hutchinson Cancer Research Center/Seattle Cancer Care Alliance

Thomas A. Farrington, BSEE
Patients Advocate

George P. Hemstreet III, MD, PhD
Fred & Pamela Buffett Cancer Center

David Jarrard, MD
University of Wisconsin Carbone Cancer Center

Adam S. Kibel, MD
Dana-Farber/Bramhall and Women’s Cancer Center | Massachusetts General Hospital Cancer Center

Simon P. Kim, MD, MPH
Case Comprehensive Cancer Center/University Hospitals Seidman Cancer Center and Cleveland Clinic Taussig Cancer Institute

William Lowrance, MD, MPH
Huntsman Cancer Institute at the University of Utah

Paul Maroni, MD
University of Colorado Cancer Center

James L. Mohler, MD
Roswell Park Comprehensive Cancer Center

Todd M. Morgan, MD
University of Michigan Rogel Cancer Center

Kelvin A. Moses, MD, PhD
Vanderbilt-Ingram Cancer Center

Robert B. Nadler, MD
Robert H. Lurie Comprehensive Cancer Center of Northwestern University

Michael Poch, MD
Moffitt Cancer Center

Charles Scales, MD
Duke Cancer Institute

Terrence M. Shaneyfelt, MD, MPH
University of Alabama at Birmingham Comprehensive Cancer Center

Marc C. Smaldone, MD, MSHP
Fox Chase Cancer Center

Geoffrey Sonn, MD
Stanford Cancer Institute

Preston C. Sprinkle, MD
Yale Cancer Center/Smilow Cancer Hospital

Robert Wake, MD
St. Jude Children’s Research Hospital/University of Tennessee Health Science Center

Bertram Yuh, MD, MS
City of Hope National Medical Center

NCCN GUIDELINES FOR SUPPORTIVE CARE

Adult Cancer Pain

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

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

Doritina L. Anghelescu, MD
St. Jude Children’s Research Hospital/University of Tennessee Health Science Center

Madhuri Are, MD
Fred & Pamela Buffett Cancer Center

Sorin Buga, MD, FAAHPM, FACP
City of Hope National Medical Center

Marcin Chwistek, MD, FAAPM
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, ND, PhD
Fred Hutchinson Cancer Research Center/Seattle Cancer Care Alliance

Arif Kamal, MD
Duke Cancer Institute

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

Susan G. Urba, MD
University of Michigan Rogel Cancer Center

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

Antiemesis

David S. Ettinger, MD, FACP, FCCP / Chair
The Sidney Kimmel Comprehensive Cancer Center at Johns Hopkins

Michael J. Berger, PharmD, BCOP / Vice-Chair
The Ohio State University Comprehensive Cancer Center - James Cancer Hospital and Solove Research Institute

Jonathan Aston, PharmD, BCOP
Vanderbilt-Ingram Cancer Center

Sally Barbour, PharmD, BCOP, CPP, FHOPA
Duke Cancer Institute

Jason Bergsaken, PharmD, BCOP
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

Robert A. Swarm, MD
Memorial Sloan Kettering Cancer Center

Lisle M. Nabel, MD
University of Alabama at Birmingham Comprehensive Cancer Center

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

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

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

Rebecca Shatsky, MD
UC San Diego Moores Cancer Center

Natalie Moryl, MD
Memorial Sloan Kettering Cancer Center

Mary R. McDowell, MSN, ACNP-BC
Seattle Cancer Care Alliance

Sean Mackey, MD
Fred Hutchinson Cancer Research Center

Susan G. Urba, MD
University of Michigan Rogel Cancer Center

Justine Yang Bruce, MD
University of Wisconsin Carbone Cancer Center

Jeanie M. Youngworth, MD
University of Colorado Cancer Center

Michael J. Berger, PharmD, BCOP / Vice-Chair
The Ohio State University Comprehensive Cancer Center - James Cancer Hospital and Solove Research Institute

Jonathan Aston, PharmD, BCOP
Vanderbilt-Ingram Cancer Center

Sally Barbour, PharmD, BCOP, CPP, FHOPA
Duke Cancer Institute

Jason Bergsaken, PharmD, BCOP
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
NCCN Leadership

Cancer-Related Fatigue

Ann M. Berger, PhD, AOCNS, APRN, FAAN / Chair
Fried E. & Pamela Buffett Cancer Center
Kathi Mooney, PhD, RN, FAAN / Vice-Chair
Huntsman Cancer Institute
at the University of Utah
Chandana Banerjee, MD
City of Hope National Medical Center
William S. Breitbart, MD
Memorial Sloan Kettering Cancer Center

Kristen M. Carpenter, PhD
The Ohio State University Comprehensive Cancer Center - James Cancer Hospital and Solove Research Institute
Young Chang, MD
Moffitt Cancer Center
Charles S. Cleeland, PhD
The University of Texas MD Anderson Cancer Center
Vanna Dest, MSN, AOCNS, APRN
Yale Cancer Center/Smilow Cancer Hospital
Lori L. DuBenske, PhD
University of Wisconsin Carbone Cancer Center

Leigh E. Kinczewski, CNP
Fox Chase Cancer Center
Elizabeth T. Loggers, MD, PhD
Fred Hutchinson Cancer Research Center/Seattle Cancer Care Alliance
Belinda Mandrell, PhD, RN
St. Jude Children’s Research Hospital/
The University of Tennessee Health Science Center
Susan McNeses, MD
Case Comprehensive Cancer Center/
University Hospitals Seidman Cancer Center and Cleveland Clinic Taussig Cancer Institute
Fremontia Meyer, MD
Dana-Farber/Brigham and Women’s Cancer Center | Massachusetts General Hospital Cancer Center
Barbara Murphy, MD
Vanderbilt-Ingram Cancer Center
Oxana Palesh, PhD, MPH
Stanford Cancer Institute
Hitendra Patel, MD
UC San Diego Moores Cancer Center
Michelle B. Riba, MD, MS
University of Michigan Rogel Cancer Center
Anna Roshal, MD
Siteman Cancer Center at Barnes-Jewish Hospital and Washington University School of Medicine
Hope S. Rugo, MD
UCSF Helen Diller Family Comprehensive Cancer Center
Carolina Salvador, MD
University of Alabama at Birmingham Comprehensive Cancer Center
Nina Wagner, MD
The Sidney Kimmel Comprehensive Cancer Center at Johns Hopkins
Michelle Walter, DO
Roswell Park Comprehensive Cancer Center
Jason A. Webb, MD
Duke Cancer Institute

Distress Management

Michelle B. Riba, MD, MS / Chair
University of Michigan Rogel Cancer Center

Kristine A. Donovan, PhD, MBA / Vice-Chair
Moffitt Cancer Center

Barbara L. Andersen, PhD
The Ohio State University Comprehensive Cancer Center - James Cancer Hospital and Solove Research Institute
Ilana M. Braun, MD
Dana-Farber/Brigham and Women’s Cancer Center | Massachusetts General Hospital Cancer Center
William S. Breitbart, MD
Memorial Sloan Kettering Cancer Center
Benjamin W. Brewer, PsyD
University of Colorado Cancer Center
Luke O. Buchmann, MD
Huntsman Cancer Institute
at the University of Utah
Matthew M. Clark, PhD
Mayo Clinic Cancer Center
Molly E. Collins, MD
Fox Chase Cancer Center
Cheyenne Corbett, PhD
Duke Cancer Institute
Stewart B. Fleishman, MD
Consultant
Sofia Garcia, PhD
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