





Geriatric Oncology:

Educating Nurses to Improve Quality Care

July 17-19, 2017 Pasadena, California



Geriatric Oncology: Educating Nurses to Improve Quality Care

Abstract

The overarching goal of this R25 grant is to develop and implement a national educational curriculum in geriatric oncology for oncology nurses. There is an urgent need for this initiative because cancer is a disease associated with aging. The number of "baby boomers" age 65 and older is expected to double by the year 2030 leading to a projected 67% increase in cancer incidences in this age group. The Institute of Medicine highlights the current and projected future shortages of nurses with experience in geriatrics who will be needed to care for this growing population of older adults. Less than 1% of nurses and less than 3% of advance practice nurses are certified in geriatrics. This grant will fill this gap in knowledge through a multidisciplinary, interactive, targeted curriculum in geriatric oncology for competitively selected oncology nurses nationwide. It will culminate in teams of nursing participants developing their own plans to integrate geriatric oncology principles and practices into their home organizations.

The specific aims of this grant are:

- 1. To develop a comprehensive geriatric oncology curriculum for nurses, with input from top-level multidisciplinary faculty from around the country, which will advance nurses' knowledge, attitudes, and skills related to caring for older adults with cancer.
- 2. To implement this geriatric oncology curriculum with national workshops for competitively selected nurses nationwide.
- 3. To evaluate the effectiveness of a comprehensive interactive geriatric oncology curriculum for nurses based on knowledge acquired from pre- to post-conference.
- 4. To evaluate the impact of a comprehensive geriatric oncology curriculum on the development of geriatric oncology nursing initiatives nationwide by measuring the progress and outcomes of workshop activities and changes initiated by the participants in their home settings.
- 5. To disseminate the findings from these conferences.

These aims will be achieved through four annual conferences (followed by monthly conference calls open to all participants) which will train a total of 400 competitively selected oncology nurses across the nation who will attend in teams (a manager, educator, and direct care provider) from their institution. This 2 ½ day conference consists of a comprehensive yet targeted educational curriculum delivered by nationwide experts in geriatrics, oncology, and nursing education. Conference attendees will use this information and develop plans for integration of this knowledge into their own organizations. We will follow their progress at 6, 12, and 18 months post-conference. This grant unites the fields of nursing, geriatrics, and oncology through the creation of an educational curriculum of geriatric principles geared to oncology nursing professionals who are caring for an aging oncology population with the ultimate goal of improving the knowledge of evidence-based care of older adults with cancer.





2017 Geriatric Oncology: Educating Nurses to Improve Quality Care July 17, 2017

Time	Topic	Presenter
7:00-8:00	BREAKFAST	
8:00-8:30	Welcome, Opening Remarks, and Pre-Test	Peggy Burhenn, MS, CNS
8:30-9:00	Lessons from a Career in Geriatric Nursing	Mathy Mezey, EdD, RN, FAAN
9:00-9:30	Aging Trends and Comprehensive Geriatric Assessment	Arti Hurria, MD
9:30-10:00	Physiological Changes and Comorbidities Associated with Aging: Relation to Risk of Cancer Therapy Toxicity	Supriya Mohile, MD, MS
10:00-10:15	BREAK	
10:15-10:45	Assessing Functional Status, Frailty, and Fall Risk in the Older Adult with Cancer	Janine Overcash, PhD, ARNP, BC
10:45-11:15	Exercise Screening and Prescription for Older Adults with Cancer	Karen M. Mustian, PhD, MPH
11:15-11:45	Functional Assessment Practice Session	Group Breakout
11:45-12:45	LUNCH	
12:45-1:15	Nutrition and Aging throughout the Cancer Journey	Wendy Demark-Wahnefried, PhD, RD
1:15-1:30	Interactive Case Study and Q & A	Group Breakout
1:30-2:00	Nursing Initiatives at the Hartford Institute: Nursing Making a Difference	Mathy Mezey, EdD, RN, FAAN
2:00-2:15	BREAK	
2:15-2:45	Navigating the Medical-Legal Concerns in the Care of Older Adults	June McKoy, MD, MPH, JD, MBA
2:45-3:15	Community Legal Resources for the Older Adult with Cancer	Stephanie Fajuri, JD
		Peggy Burhenn, MS, CNS
	Introduction to Goal Implementation Group Work on	Mary Elizabeth Davis, MSN, RN, CHPN, AOCNS
3:15-4:15	Introduction to Goal Implementation-Group Work on Goals/Past R25 Participant Experience	Jean Ridgeway. DNP, APN, NP-C, AOCN
		Mary Schueller, MSN, RN, AOCNS, CHPN
	Day One Evaluations/Adjourn	Group





2017 Geriatric Oncology: Educating Nurses to Improve Quality Care July 18, 2017

Time	Topic	Presenter
7:00-8:00	BREAKFAST	
8:00	Welcome back	Peggy Burhenn, MS, CNS
8:00-8:30	The Path to Implementing Change: Integrating Geriatrics into Oncology	Sarah Kagan, PhD, RN
8:30-9:00	Assessment and Management of Cognitive Impairment in Older Adults	Beatriz Korc-Grodzicki, MD, PhD
9:00-9:30	Interactive Case Study and Cognitive Assessments	Group Breakout
9:30-10:00	Identifying and Addressing Distress in the Older Adult	Matthew Loscalzo, LCSW
10:00-10:15	BREAK	
10:15-10:45	Sleep Management in the Older Adult	Peggy Burhenn, MS, CNS
10:45-11:15	Pain Management and EOL Care in the Older Adult	Bonnie Freeman, RN, DNP, ANP, ACHPN
11:15-11:45	Goal Development Exercise	Peggy Burhenn, MS, CNS
11:45-12:45	LUNCH	
12:45-1:15	Polypharmacy and Medication Adherence in the Older Adult	Timothy Synold, PharmD
1:15-1:45	Predicting Chemotherapy Toxicities in Older Adults	Arti Hurria, MD
1:45-2:15	Case Study: Application of Polypharmacy and Chemotherapy Toxicity Prediction Tool	Group Breakout
2:15-2:30	BREAK	
2:30-3:00	Empowering Nurses to Advocate for the Older Adult	Sarah Kagan, PhD, RN
3:00-3:30	Working with Leadership to Impact Positive Change	Shirley Johnson, RN, MS, MBA
3:30-4:00	Goal Development Discussion	Group Breakout
	Day Two Evaluations/Adjourn	Group





2017 Geriatric Oncology: Educating Nurses to Improve Quality Care July 19, 2017

Time	Topic	Presenter
7:00-8:00	BREAKFAST	
8:00-8:30	Responsible Conduct of Research	Arti Hurria, MD
8:30-9:00	The Interdisciplinary Team: Implementing an Evidence- Based Model in Cancer Care	Betty Ferrell, PhD, MA, FAAN, FPCN
9:00-9:30	Supporting the Caregiver of the Older Adult with Cancer: Lessons Learned	Denice Economou, RN, MN, CHPN
9:30-10:00	Tapping into Community Resources Tailored to the Older Adult	Peggy Burhenn, MS, CNS
10:00-10:15	BREAK	
10:15-10:45	Accessing Web-Based Resources in Gerontology	Christopher Okamoto, RN, BSN
10:45-11:30	Review Goals and Sharing of Individual Plans	Arti Hurria, MD and Denice Economou, RN, MN, CHPN
11:30-12:00	Final Draft of Goals/Post-Test Day 3 Evaluations	Peggy Burhenn, MS, CNS
12:00	LUNCH AND ADJOURN	

Speaker Bios TAB



Peggy Burhenn, MS, CNS, AOCNS Professional Practice Leader City of Hope Comprehensive Cancer Center

Peggy Burhenn is a Clinical Nurse Specialist (CNS) in geriatric oncology. She holds certifications as an Oncology Certified Nurse (OCN), Advanced Oncology CNS (AOCNS) and is a board certified RN in gerontology. She is a co-investigator for the R25 grant that supports this educational conference.

In her current role as Professional Practice Leader for Geriatric Oncology at City of Hope in Duarte California, she is involved in education, research, and care management of the older adult with cancer. Her focus has been to teach nurses about caring for the older adult with cancer. She has developed a group of geriatric resource nurses. She is the principal investigator for a study to evaluate nurses' knowledge, attitudes and perceptions of caring for older adults. She is also co-investigator for a protocol evaluating reasons for readmissions in the older adult with cancer. Her work focuses on a diversity of geriatric related issues such as: geriatric assessment, delirium, sleep promotion, fall prevention, cognition, pain in the older adult, and guided imagery. She has served as a preceptor for CNS students at local universities.

In 2013 she received the Margo McCaffery Excellence in Pain Management award and the Values in Action award at City of Hope for Intellectual Curiosity and in 2014 the Advanced Oncology Certified Nurse of the Year from the Greater Los Angeles Oncology Nursing Society. In April 2015 she received the Oncology Nursing Society national award for Excellence in Caring for the Older Adult with Cancer.

Disclosures: None



Wendy Demark-Wahnefried, PhD, RD Professor and Webb Chair of Nutrition Sciences Associate Director, UAB Comprehensive Cancer

Wendy Demark-Wahnefried, PhD, RD is Professor and Webb Endowed Chair of Nutrition Sciences. Dr. Demark-Wahnefried began her career as a cancer researcher at Duke University where she was on faculty for 17 years, then was recruited to MD Anderson and then came to UAB in 2010 as the Associate Director for Cancer Prevention and Control in the Cancer Center.

Her research in nutrition and cancer control and survivorship has produced over 200 scientific publications, and recognition as a Komen Professor of Survivorship and an American Cancer Society Clinical Research Professor. Dr. Demark-Wahnefried serves on several committees, including the American Cancer Society's Guidelines Panel for Nutrition and Physical Activity, World Cancer Research Fund, American College of Sports Medicine Guidelines Panel for Physical Activity in Cancer Survivors, American Society of Clinical Oncology Committee on Cancer Survivorship and Energy Balance, and the National Cancer Policy Forum of the Institute of Medicine.

Dr. Demark-Wahnefried was PI of the Reach-Out to ENhancE Wellness in Older Cancer Survivors trial - a telephone and tailored mailed material intervention which effectively improved diet quality, physical activity, weight status and physical functioning in 641 older cancer survivors (the largest behavioral intervention trial among older cancer survivors to date).



Denice Economou, RN, MN, CNS, CHPN Senior Research Specialist City of Hope Comprehensive Cancer Center

Denice Economou has been in oncology nursing for 35 years and has focused her clinical expertise and research in pain management, palliative care and Cancer Survivorship. Denice is a senior research specialist at the City of Hope and the Project Director for the NCI grant funded *Survivorship Education for Quality Cancer Care* educational program, P.I.- Dr. Marcia Grant.

Denice has participated in the training of over 200 teams and 420 nurses in survivorship care. Denice lectures to healthcare professionals as well as cancer survivors on components of care and survivorship care planning. She was formerly with Aptium Oncology in the Department of Clinical Affairs where she oversaw pain & palliative care activities for the company. Denice was the nurse coordinator for the cancer pain management service at Cedars-Sinai Comprehensive Cancer Center for seven years, and an Oncology Nurse Educator providing education to nurses, patients and administrators on specific symptoms and pain management. Denice is an oncology faculty member for the End of Life Nursing Education Consortium (ELNEC).

She is a lecturer for the Genentech Speakers Program in Cancer Survivorship and Oncology Case Management. Denice is a past president of the Greater Los Angeles chapter of the Oncology Nursing Society. She has authored chapters in the Oxford Textbook of Palliative Nursing and Oncology Nursing Advisor. Denice is an Associate Editor for the Journal of the Advanced Practitioner in Oncology. Ms. Economou is an Assistant Clinical Professor for the School of Nursing-UCLA, Los Angeles.

Disclosures: None



Stephanie Fajuri, JD
Director of Disability Rights
Disability Rights Legal Center
– Cancer Legal Resource
Center

Stephanie Fajuri is the Director of the Disability Rights Legal Center's Cancer Legal Resource Center (CLRC) in Los Angeles, California. As CLRC Director, Ms. Fajuri provides legal services to people with cancer-related legal issues, and has presented over 100 educational trainings on behalf of the CLRC, primarily focusing on topics such as health care reform, employment rights, access to health care and government benefits, and advance planning. Furthermore, she has overseen the counseling of thousands of cancer patients, caregivers, and health care professionals on the CLRC's national telephone assistance line, and works to develop educational handouts and publications covering a wide range of cancer-related legal issues.

Prior to this position, Ms. Fajuri was the CLRC's Supervising Attorney, Staff Attorney with the CLRC, Development Coordinator with Disability Rights Legal Center, and spent summers in law school working at the Illinois Human Rights Commission and at the US Department of Housing and Urban Development's Office of Fair Housing and Equal Opportunity. Ms. Fajuri is a member of the American Bar Association's Breast Cancer Advocacy Task Force, the American Cancer Society's Los Angeles Regional Leadership Council, the Orange County Cancer Coalition, and was a 2015-2016 health team fellow in the Women's Policy Institute, a leadership and public policy training program sponsored by the Women's Foundation of California.

Ms. Fajuri earned her J.D. at Chicago-Kent College of Law, and her B.A. in History at the University of Michigan- Ann Arbor. She is a member of the State Bars of California and New York. She is also a member of Legal Voices, the chorus of the Los Angeles Lawyers Philharmonic.



Betty Ferrell, PhD, MA, FAAN, FPCN, CHPN Professor and Director, Division of Nursing Research & Education City of Hope Comprehensive Cancer Center

Betty Ferrell, RN, PhD, MA, FAAN, FPCN, CHPN has been in nursing for 37 years and has focused her clinical expertise and research in pain management, quality of life, and palliative care.

Dr. Ferrell is the Director of Nursing Research & Education and a Professor at the City of Hope Medical Center in Duarte, California. She is a Fellow of the American Academy of Nursing and she has over 370 publications in peer-reviewed journals and texts. She is Principal Investigator of a Research Project funded by the National Cancer Institute on "Palliative Care for Patients with Solid Tumors on Phase 1 Clinical Trials" and Principal Investigator of the "End-of-Life Nursing Education Consortium (ELNEC)" project. She directs several other funded projects related to palliative care in cancer centers and QOL issues. Dr. Ferrell is a member of the Board of Scientific Advisors of the National Cancer Institute and was Co-Chairperson of the National Consensus Project for Quality Palliative Care.

Dr. Ferrell completed a Master's degree in Theology, Ethics and Culture from Claremont Graduate University in 2007. She has authored ten books including the Oxford *Textbook of Palliative Nursing* published by Oxford University Press (4th edition published in 2015). She is co-author of the text, *The Nature of Suffering and the Goals of Nursing* published in 2008 by Oxford University Press and *Making Health Care Whole: Integrating Spirituality into Patient Care* (Templeton Press, 2010). In 2013 Dr. Ferrell was named one of the 30 Visionaries in the field by the American Academy of Hospice and Palliative Medicine.

Disclosures: None



Bonnie Freeman, RN, DNP, ANP, ACHPN Supportive Care Medicine Nurse Practitioner City of Hope Comprehensive Cancer Center

Bonnie Freeman is a Nurse Practitioner in Supportive Care Medicine which is part of the Department of Supportive Care at City of Hope. She has a Doctorate in Nursing Practice from Azusa Pacific University, adult NP post-masters degree from Vanderbilt University, and an advanced certification in Hospice and Palliative Care Nursing through HPNA.

Bonnie was awarded the AACN ELNEC Critical Care Achievement award in 2009, the Award of Excellence in Pain Management from the Southern California Cancer Pain Initiative (SCCPI) in 2012, the Margo McCaffery Award for Excellence in Pain Management in 2014, and her reference book: Compassionate Person-Centered Care of the Dying published by Springer Publishing, received a 2015 Book of the Year award from the Journal of American Nursing Association. This book focused on an educational method Bonnie developed to address the most common symptom management needs of the dying called the CARES tool which continues to grow in popularity and has been instituted by over 50 hospitals in the United States, and Canada.



Arti Hurria, MD
Professor and Director of the
Cancer and Aging Research
Program
City of Hope Comprehensive
Cancer Center

Arti Hurria, MD is a geriatrician and oncologist and is Vice Provost of Clinical Faculty and Director of the Center for Cancer and Aging at City of Hope. The overall goal of Dr. Hurria's research program is to improve the care of older adults with cancer. Under Dr. Hurria's leadership, the Cancer and Aging Research Program has developed and executed over 24 geriatric oncology protocols, enrolling over 3200 participants on studies focused on cancer and aging. Dr. Hurria is principal investigator on 6 NIH-funded grants, including the R25 grant that supports this educational conference. Additionally, she has received research support from the Breast Cancer Research Foundation, UniHealth Foundation, and Hearst Foundation. Dr. Hurria leads national and international efforts to improve the care of older adults with cancer. She served on the Institute of Medicine, Committee on "Improving the Quality of Cancer Care: Addressing the Challenges in an Aging Population." Since 2010, Dr. Hurria has served as the Editor-in-Chief for the *Journal of Geriatric Oncology*. She was the recipient of the B.J. Kennedy Award from the American Society of Clinical Oncology, which recognizes scientific excellence in geriatric oncology. In 2016, Dr. Hurria was elected to the Board of Directors for the American Society of Clinical Oncology. Dr. Hurria was the recipient of an endowed chair in geriatric oncology (The George Tsai Geriatric Oncology Chair) in 2017.

Disclosures: Dr. Hurria serves as a consultant for Boehringer Ingelheim Pharmaceuticals, Carevive, Sanofi, and Pierian Biosciences. and has received research funding from Celegene, Novartis, and GSK.



Shirley Johnson, MS, MBA, RN Senior Vice President Nursing Services, Chief Nursing Officer Roswell Park Cancer Institute

Shirley Johnson, R.N., M.S., M.B.A., is the senior vice president for patient care and nursing services and the chief nursing officer at Roswell Park Cancer Institute in Buffalo, New York. She guides the strategic direction of nursing and patient-care services and leads Roswell Park's efforts to continually enhance care provided to patients, giving special attention to the humanistic aspects of medicine. Johnson joined Roswell Park in late 2016 and previously served in senior leadership roles at City of Hope and Barnes-Jewish Hospital and Washington University School of Medicine in St. Louis. Shirley has extensive experience in building cancer programs and expanding operations to keep pace with the ever evolving changes in the healthcare landscape. Johnson is a past president of the Association of Cancer Executives and past chair of the BMT Program Administrator's Steering Committee for the American Society of Blood and Marrow Transplantation. She completed a six-year term on the Commission on Cancer of the American College of Surgeons and was a member of its Program on Approvals Committee. She was the 2013 Healthcare category winner for the California Women of the Year Award bestowed by the State of California. She is a frequent invited speaker on topics of cancer care delivery and nursing practice and has authored numerous papers related to strategies to reduce falls and cancer program development She currently serves on the Audit Committee of the Oncology Nursing Society and is on the Executive Council for the Association of Dedicated Cancer Centers. Johnson received her Master of Business Administration degree, Master of Science degree in management and bachelor's degree in nursing from Maryville University in St. Louis.

Since joining Roswell Park Cancer Institute, Shirley has fostered the expansion of an Assessment and Treatment Center, which provides after-hours care for cancer patient symptom management and instituted an after-hours nurse triage phone line. In collaboration with the Chief of Bone Marrow Transplant, she is developing an out-patient bone marrow transplant program. She is re-establishing the focus on gerontology oncology care within the organization, and will be pursuing NICHE designation with the Roswell Park team this fall.

Shirley counts it a privilege to serve in a role to support the driving vision for the future of cancer care delivery. Married to Gary, a human resource and leadership development consultant, she enjoys spending time with her two daughters, every chance she gets with one in the Los Angeles area, and one Montana.



Sarah Kagan, PhD, RN Lucy Walker Honorary Term Professor of Gerontological Nursing School of Nursing, University of Pennsylvania

Sarah H. Kagan is the Lucy Walker Honorary Term Professor of Gerontological Nursing at Penn, Gerontological Clinical Nurse Specialist in the Living Well Program at the Joan Karnell Cancer Center – Pennsylvania Hospital. She is currently holds several international appointments in Nursing and in Public Health including Visiting Professor at the School of Nursing and Midwifery, University College Dublin; Honorary Professor at Queen Margaret University in Edinburgh; Adjunct Professor at the American University of Armenia; Visiting Professor at the Oxford Brookes University Faculty of Health and Life Sciences; and Honorary Professor in Public Health and in Nursing at the University of Hong Kong.

Professor Kagan is Editor in Chief of the International Journal of Older People Nursing Professor http://onlinelibrary.wiley.com/journal/10.1111/(ISSN)1748-3743. She serves on the Editorial Boards of four journals – Cancer Nursing, Geriatric Nursing, Research in Gerontological Nursing, and PTJ: Physical Therapy. Additionally, Professor Kagan writes regularly for the lay press as a contributor to Calkins Media, writing the monthly column Myths of Aging for newspaper and online content. Professor Kagan's education and training includes a Bachelor of Arts in Behavioral Science from the University of Chicago, a Bachelor of Science in Nursing from Rush University, and a Master's Degree in Gerontological Nursing and a PhD from the University of California San Francisco.

Since arriving at the University of Pennsylvania some two decades ago, Professor Kagan has focused her scholarship on undergraduate nursing education, care of older people, and qualitative research. She currently directs the University of Pennsylvania Undergraduate Nursing Honors Program and two clinically-based undergraduate international exchange programs in nursing — one in the United Kingdom and one in Australia. In addition, Professor Kagan teaches short term study abroad for the University of Pennsylvania in partnership with the University of Hong Kong. Professor Kagan maintains an active program of clinical scholarship and practice in gero-oncology which serves as a wellspring for her undergraduate pedagogy and anchors her understanding of the clinician-patient relationship and provision nursing care.

Professor Kagan's work is acknowledged nationally and internationally as innovative, sophisticated, and clinically relevant. She is a fellow of the Gerontological Society of America and the American Academy of Nursing. Professor Kagan has held numerous visiting posts at many notable institutions nationally and internationally. Among the awards she has received for her practice, research, and teaching are the Sigma Theta Tau International Founders Award for Excellence in Nursing Practice and the John D. and Catherine T. MacArthur Fellowship. Professor Kagan received an Honorary Doctorate of Science from Oxford Brookes University in June 2013.



Beatriz Korc-Grodzicki, MD, PhD Chief of Geriatrics Service Memorial Sloan-Kettering Cancer Center

Beatriz Korc-Grodzicki is currently the Service Chief of the Geriatrics at the Memorial Sloan- Kettering Cancer Center (MSKCC) and Professor of Clinical Medicine at Weil Cornell Medical College, New York, NY.

As an internist with a specialty in Geriatrics, she has expertise in treating complex cases with multiple health conditions, and provides comprehensive guidance that can help prevent avoidable complications. As an attending in the Geriatrics Division at University of Rochester, Director of Clinical Services at Mount Sinai Medical Center Department of Geriatrics, NY, and as the Chief of the Geriatrics Service in the Department of Medicine at Memorial Sloan Kettering Cancer Center, NY, she has been involved in the teaching of geriatric principles to multiple health care providers, students, house staff and the community. Over the last 6 years she has been dedicated to the care of older adults with cancer, has been panel member of the NCCN Senior Adult Oncology Guidelines has belonged to the Cancer and Aging Interest Group at the American Geriatric Society as well as the Geriatric Oncology Special Interest Group at ASCO.

She is the recipient of a recent large Geriatric Workforce Enhancement Program (GWAP) grant which will provide funding over the next 3 years for the education of oncologists and primary care physicians about the care of the geriatric cancer patient. She both spearheads clinical research and collaborates with oncologists and geriatricians nationwide in the hunt for best practices in caring for older patients with cancer.

Disclosures: None



Matthew Loscalzo, LCSW
Executive Director and
Professor, Department of
Supportive Care
Professor Population
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Sheri & Les Biller Patient and
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Matthew J. Loscalzo is the Liliane Elkins Professor in Supportive Care Programs in the Department of Supportive Care Medicine and Professor in Department of Population Sciences. He is also the Executive Director of the Department of Supportive Care Medicine and the Administrative Director of the Sheri & Les Biller Patient and Family Resource Center at the City of Hope-National Medical Center, Duarte California.

Professor Loscalzo has held leadership positions at Memorial Sloan-Kettering Cancer Center, the Johns Hopkins Oncology Center, the Rebecca and John Moores Cancer Center at the University of California at San Diego and now at the City of Hope. He has created a number of highly integrated interdisciplinary biopsychosocial programs based on a unique staff leadership model. In, October 2014, Professor Loscalzo was recognized for a lifetime achievement award in clinical care by the International Psycho-Oncology Society. In August 2015, he received the Jimmie Holland Life Time Leadership Award from the American Psychosocial Oncology Society.

Professor Loscalzo has over 35 years of experience in caring for cancer patients and their families. He is recognized internationally as a pioneer in the clinical, educational, and research domains of psychosocial aspects of cancer. Professor Loscalzo was the President of the American Psychosocial Oncology Society and the Association of Oncology Social Workers. He is highly recognized and sought after for his strategic mentorship of leaders across disciplines. Professor Loscalzo has focused pain and palliative care, the implementation of problem-based screening programs, gender-based medicine and problem solving therapies.

He is the PI on two 5 year NIH R25E training grants (teaching health care professionals how to build supportive care programs and biopsychosocial screening programs) and a site PI for a new third R25E to teach advanced cognitive behavioral skills. He is also on the editorial boards or a reviewer for a number of professional journals and has over 100 publications. His clinical interests are gender medicine; strengths based approaches to psychotherapies, problem-based distress screening and the creation of supportive care programs.



June McKoy, MD, MPH, JD, MBA Associate Professor of Medicine Director of Geriatric Oncology Robert H. Lurie Comprehensive Cancer Center

June M. McKoy is an Associate Professor of Medicine and Preventive Medicine at Northwestern University Feinberg School of Medicine, an academic geriatrician on the staff of Northwestern Memorial Hospital, a licensed Illinois Attorney, and a NIH-funded clinical cancer/health services researcher whose focus is on utilizing and interweaving research into daily practice in order to ensure better health for aging individuals.

As Director of Geriatric Oncology at the Robert H. Lurie Comprehensive Cancer Center of Northwestern University, she co-founded the Senior Oncology Outcomes Advocacy and Research (SOAR) program that translates research on cancer health measures into advocacy based interventions to improve health-related quality of life and survivorship for older individuals.

Dr. McKoy is a strong proponent of holistic healthy aging, believing that to age well one must balance mind, body, and spirit. She has been featured in multiple print and electronic media, including (but not limited to) the New York Times, the Chicago Tribune, Talking Points Memo, The Guardian, Public Television, and NBC news. She is the Program Director for the Geriatric Medicine Fellowship Program at Northwestern University, an NIH Study Section Reviewer and co-chair, a 2015 Impact Center Women's Leadership Fellow, a member of the NCCN Senior Adult Panel, an appointed member of the NCI's National Council of Research Advocates and most importantly, a member of the Cancer and Aging Research Group (CARG) based at *City of Hope* and led by Dr. Arti Hurria.

Disclosures: None



Mathy Mezey, EdD, RN, FAAN
Professor Emerita and
Founding Director of the
Hartford Institute for
Geriatric Nursing
New York University College
of Nursing

Mathy Mezey, hold a BSN from Columbia University Nursing (1960) and an MEd, (1973) and EdD (1977) from Teachers College, Columbia University. She has spent the last 50 years in nursing, first working in home care (at the Visiting Nurse Service of New York) and at a city hospital in New York (Jacobi Hospital, NY Health and Hospitals Corporation), and then having a career as a nurse educator, at Lehman College, City University of New York (1973 to 1980), at the University of Pennsylvania (1980-1991), and at New York University, beginning 1991. She is currently Emerita Professor at NYU.

The focus of Dr. Mezey's interest and scholarship has been on care of older adults, and assuring that nurses have the necessary skills and knowledge to provide quality care to this potentially vulnerable population. She has directed 2 major national initiatives focused on care of older adults, the Robert Wood Johnson Foundation Teaching Nursing Home Program (1981 to 1987) and the Hartford Institute for Geriatric Nursing, NYU College of Nursing (Founding Director from 1996-2009).

She has written or edited 16 books and written over 75 articles on topics related to geriatric nursing, the education and practice of geriatric nurse practitioners, care in nursing homes, and ethical decision making at the end of life.

Among her many recognitions, Dr. Mezey holds honorary degrees from Case Western Reserve and Fairfield University, is a Fellow of the American Academy of Nursing and the Gerontological Society of America. She is Emerita on the Board of Directors of the Visiting Nurse Service of New York, and is Trustee Emeritus, Columbia University.



Supriya Mohile, MD, MS Associate Professor of Medicine University of Rochester

Supriya Gupta Mohile, M.D., M.S. is a board-certified geriatrician and oncologist. Dr. Mohile has developed a clinical and research program in geriatric oncology by strengthening the links between geriatrics and oncology. She completed internship, residency and fellowships in hematology/oncology and geriatrics at University of Chicago Medical Center, where she also earned a Master's degree in health outcomes research. Mohile's fellowship was funded by an American Society of Clinical Oncology and John Hartford Foundation initiative to train oncologists in the care of the elderly.

Mohile's research interests include the evaluation of patterns of care, health outcomes, and quality of life related to treatment for systemic cancer in older patients. She has previously received an American Society of Clinical Oncology Young Investigator Award and Merit Awards. Mohile was a Hartford Geriatrics Health Outcomes Research Scholar sponsored by the American Geriatrics Society and was a Clinical and Translational Science Institute K-L2 Awardee. She was awarded a Patient Centered Outcomes Research Institute Award and a NCI R01 to evaluate whether geriatric assessment can improve outcomes of older patients with cancer. She directs the Specialized Oncology Care & Research in the Elderly (SOCARE) geriatric oncology clinic at the University of Rochester/Highland Hospital and is an integral member of the University of Rochester National Community Oncology Research Program (NCORP) Research Base which is directed by Dr. Gary Morrow. She leads the Cancer Care Delivery Research (CCDR) efforts in the Research Base and is a member of the NCI's CCDR Coordinating Committee.

Dr. Mohile is an expert in geriatric oncology with over 100 publications in this area. She serves on the editorial board of the Journal of Clinical Oncology and is Deputy Editor of the Journal of Geriatric Oncology. She also serves on the *American Society of Clinical Oncology* Geriatric Oncology Special Interest Group and Clinical Guidelines committees. Her contribution to moving the geriatric oncology field forward is noted in her leadership with developing research priorities and guidelines (publications below, mentees underlined).

Disclosures: Dr. Mohile is a consultant for Seattle Genetics.



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Karen M. Mustian, PhD,

Karen M. Mustian, PhD, M.S., MPH, ACSM, FSBM. Dr. Mustian is an Associate Professor in the Departments of Surgery, Radiation Oncology and Public Health Sciences and the Wilmot Cancer Institute at the University of Rochester Medical Center. Dr. Mustian is Director of the URMC PEAK Human Performance Clinical Research Lab and Deputy Director of the NCI URCC NCORP Research Base. Internationally and nationally, Dr. Mustian is Chair of the Multinational Association of Supportive Care in Cancer Fatigue Study Group and Chair of the National Cancer Institute (NCI) Symptom Management and Quality of Life Steering Committee. She is a member of the NCI Community Oncology and Prevention Trials Research Group's Community Oncology Cardiotoxicity Task Force and the NCI National Clinical Trials Network Disease Steering Committee Chairs Group.

Dr. Mustian is an international leader in the fields of Cancer Control and Survivorship, Exercise Oncology, Behavioral Oncology, Exercise Physiology and Exercise Psychology. Dr. Mustian's research is in the area of cancer control and survivorship with primary foci on investigating the influence of physical activity and exercise on toxicities and side effects (acute, chronic and late) stemming from cancer and its treatments including translational foci investigating psychoneuroimmunological (e.g., cytokines and circadian rhythm) and genetic (nuclear and mitochondrial) mechanistic pathways. Currently, Dr. Mustian has over 36M dollars in research funding, 100 peer-reviewed publications and 39 distinguished research awards and honors. Dr. Mustian also serves on editorial boards and reviews for many excellent peer-review professional journals, as well as, grant review committees for the NCI, American Cancer Society, Patient Centered Outcomes Research Institute and others.



Christopher Okamoto, BSN, RN, is a Nurse Research and Education Specialist at City of Hope. He is project director of the NIH funded, R25 grant, Geriatric Oncology: Educating Nurses to Improve Quality of Care. As a Nurse Research and Education Specialist, Chris is involved with the education and development of nursing staff. His focus is educating the Patient Care Associates in geriatric oncology as well as co-coordinating the City of Hope/Vizient Nurse Residency Program.

Disclosures: None

Christopher Okamoto, BSN, RN Nurse Research and Education Specialist City of Hope



Janine Overcash, PhD, ARNP, BC Clinical Associate Professor and Director of the Adult/Gerontological Nurse Practitioner and Clinical Nurse Specialist Programs Ohio State University

Janine Overcash is a Clinical Associate Professor and the Director of Adult/Gerontological Nurse Practitioner program and the Clinical Nurse Specialist programs at The Ohio State University, College of Nursing. Dr. Overcash is also a nurse practitioner in the Senior Adult Oncology Program at the Tames Cancer Hospital, Comprehensive Breast Center specializing in the care of the older person. Previously, Dr. Overcash was an Associate Professor of Nursing at the University of South Florida and assisted in the design and management of one of the first geriatric oncology programs located at the H. Lee Moffitt Cancer Center and Research Institute in Tampa, Florida.

Dr. Overcash has authored over 40 peer reviewed journal articles in the area of geriatric assessment. A book entitled, *The Older Cancer Patient: A Guide for Nurses and Related Professionals* by Janine Overcash and Lodovico Balducci highlights principles of care of the older person with cancer and received Book of the Year award by the *American Journal of Nursing*. Dr. Overcash has completed a post doctorate with the John A. Hartford Building Academic Geriatric Nursing Capacity Program. Dr. Overcash participated in the Geriatric Nurse Educational Consortium sponsored by the American Academy of Colleges of Nursing (AACN) and the John A. Hartford Foundation which instructed over 500 faculty from all over the United States.

Dr. Overcash research interests include understanding falls, performance status and independence in older cancer patients. Dr. Overcash speaks nationally and internationally on aspects of geriatric assessment and care of the older person diagnosed with cancer.



Timothy Synold, Pharm D.
Professor, Department of
Cancer Biology
Director, Clinical
Immunobiology Correlative
Studies Laboratory
Co-Director, Analytical
Pharmacology Core
City of Hope Comprehensive
Cancer Center

Tim Synold, Pharm.D. is a Professor in the Department of Cancer Biology at the City of Hope. Following graduation from UC Santa Barbara with a bachelor's degree in chemistry, he received his doctor of pharmacy UC San Francisco. He then completed a post-doctoral fellowship at St. Jude Children's Hospital. He is a clinical and molecular pharmacologist who serves as Director of the Analytical Pharmacology and Clinical Immunology Laboratories. He is also the Scientific Leader of the COH Phase I Clinical Trial team and Director of Pharmacology for the NCI-supported California Cancer Consortium (CCC).

Dr. Synold has over 25 years experience in chemistry and pharmacology, and he is an expert in the fields of pharmacokinetics and pharmacodynamics. His current focus involves the role of the blood-brain-barrier in CNS penetration of drugs. He is an expert reviewer for the Department of Defense and the National Cancer Institute, as well as for multiple medical journals. He has over 200 publications related to his research and has authored numerous book chapters.

DAY 1 TAB

Lessons from a Career in Geriatric Nursing

Mathy Mezey, EdD, RN, FAAN Professor Emerita and Founding Director of the Hartford Institute for Geriatric Nursing New York University College of Nursing

Objectives:

- 1. Cite statistics about older adults
- 2. Evaluate the importance of life expectancy in older adults
- 3. State how geriatric care improves patient outcomes
- 4. Cite the importance of an age-friendly environment

Things	I Want to Remember:	

Lessons from a Career in Geriatric Nursing

Mathy Mezey, EdD, RN, FAAN Professor Emerita and Founding Director of the Hartford Institute for Geriatric Nursing New York University College of Nursing

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Aging Trends and Comprehensive Geriatric Assessment

Arti Hurria, MD Professor and Director of the Cancer and Aging Research Program City of Hope

Objectives:

- 1. Understand the association between cancer and aging
- 2. Describe the components of a comprehensive geriatric assessment
- 3. Describe the utility of performing a geriatric assessment in the oncology population

Things I want to hemember.

Geriatric Assessment: Healthcare Professional Questionnaire - Example

I. This form completed by: (Mark all that apply with an X.) Assessment Period (as applicable to this study)							
☐ Physician	□ Nurse	□ CRA					
☐ Mark box with an "X", if form was not completed at specified timepoint and specify reason:							
(Mark one with an	X.) ☐ Patient r	refused	ent withdrew consent	☐ Not done			
☐ Other, specify							
I) Medical Characteristics:							
a) Cancer type							
b) Disease stage							
c) Chemotherapy Regimen							
NAME O	F DRUG	DOSE	CIR	CLE ONE			
1)			mg/m² or mg/kg	or other:			
2)			mg/m² or mg/kg	or other:			
3)			mg/m² or mg/kg	or other:			
4)			mg/m ² or mg/kg	or other:			

II) Karnofsky Performance Status:______%

DEFINITION	%	CRITERIA
Able to carry on normal activity and	100	Normal: no complaints; no evidence of
able to work. No special care is		disease
needed.		
	90	Able to carry on normal activity; minor
		signs or symptoms of disease.
	80	Normal Activity with effort; some signs or symptoms of disease.
Unable to work. Able to live at home,	70	Cares for self. Unable to carry on normal
and for most personal needs. A varying		activity or to do active work.
amount of assistance is needed		,
	60	Requires occasional assistance, but is able
		to care for most of his needs
	50	Requires considerable assistance and
		frequent medical care
Unable to care for self. Requires	40	Disabled; requires special care and
equivalent of institutional or hospital		assistance
care. Disease may be progressing		
rapidly		
	30	Severely disabled; hospitalization is
		indicated although death not imminent.
	20	Very sick; hospitalization necessary; active
		supportive treatment necessary.
	10	Moribund; fatal processes progressing
		rapidly
	0	Dead.

III) Timed "Up and Go"

Instructions: The timed "Up & Go" measures, in seconds, the time it takes for an individual to stand up from a standard arm chair (approximate seat height of 46 cm), walk a distance of 3 meters (approximately 10 feet), turn, walk back to the chair, and sit down again. The subject wears his/her regular footwear and uses their customary walking aid (none, cane, walker). No physical assistance is given. The subject starts with his back against the chair, his arm resting on the chair's arm, and his walking aid at hand. He is instructed that, on the word "go," he is to get up and walk at a comfortable and safe pace to a line on the floor 3 meters away (approximately 10 feet), turn, return to the chair, and sit down again. The subject walks through the test once before being timed in order to become familiar with the test. Either a wrist watch with a second hand or a stop-watch can be used to time the performance.

Tir	me to perform "Up and Go":_								
IV)	Cognition: Orientation-Mem	ory-Concentrat	ion Test						
		Patient's <u>Errors</u>	Maximum <u>Score</u>	Weig	<u>ht</u>	<u>Score</u>		Final	Response
1.	What <u>year</u> is it now? [without looking at a calendar]		1		X	4	=	00	
2.	What month is it now? [without looking at a calendar]		1		x	3	=		
	emory Phrase epeat this phrase after me: 'Joh	ın Brown, 42 Maı	rket Street, Chicaç	go'.					
3.	About what <u>time</u> is it [within 1 hour – without looking at your watch]	00:00	1		X	3	=	00	
4.	Count backwards from 20 to 1.		2		X	2	=		
5.	Say the months in reverse order.		2		X	2	=		
6.	Repeat the memory phrase		5		Х	2	=		
					Tota	al Score:			
po col	coring: For items 1 to 3, the reint for each error (item 4 and 5 lumn. Total score of 11 or greatestionnaires. Maximum score	maximum error ter indicates cog	is 2; for item 6, ma	aximum	error is	5); total	all sco	res in "Final	Score"
V)	Nutrition								
a)	What is the patient's height? _								
b)	What is the patient's current w	eight?							
c)	What is the patient's weight ap	proximately 6 mo	onths ago?						
d)	Calculated Body Mass Index:								

	e)	Percent	Unintentional	Weight Loss:	
--	----	---------	---------------	--------------	--

% unintentional weight loss = (unintentional weight lost in last 6 months/baseline body weight) x 100

VI) Labs: (performed within 4 weeks of this assessment)
a) Creatinine:
b) Hemoglobin:
c) Albumin:
d) Liver Function Tests: Normal or Not normal
e) WBC:
f) CA125 (Gynecological patients ONLY):
g) Blood Urea Nitrogen:
VII) Scoring
a) Did the patient score ≥ 11 on the Blessed Orientation-Memory-Concentration Test (see previous page)? □ No
□ Yes (if yes, notify the patient's treating physician)
VIII) Was the patient able to complete "Geriatric Assessment – Patient Questionnaire" on his/her own?
□Yes □No
If no, why? (Mark all that apply with an X.)
□ Not literate (does not read or write)□ Visual problem
□ Visual problem □ Fatigue
 □ Questions too difficult (above the patient's reading ability) □ Other: specify
X) Time to complete
a) Appendix I (Data to be gathered by the healthcare team)
Start Time:
End Time:
b) Appendix II (Questionnaires to be completed by the study participant)
Start Time:
End Time:
Total time to complete Appendix I and II:
Name of person completing this document:
Signature:
Data:

Self Geriatric Assessment Measure: Patient Questionnaire – Example

Responsible person name (<i>Physician, Nurse, or CRA</i>) Assessment Period (as applicable to this study): ☐ Timepoint 1 ☐ Timepoint 2			
Patient Instructions: If you are unable to complet assist you. Please do not have a family member co	te the questionnaire, a member of your health care team will implete the questionnaire for you.		
A. BACKGROUND INFORMATION			
 1. What is the highest grade you finished in school 8th or less 9-11th grade High school graduate/GED Associate degree/some college 	ol? (Mark one with an X. Vocational/technical school Bachelor's degree Advanced degree I prefer not to answer		
2. What is your marital status? (Mark one with an Married Separated Domestic partnership Never mar Widowed I prefer not Divorced			
 3. With whom do you live? (Mark all that apply with Spouse / partner Girlfriend / boyfriend Children aged 18 years or younger Children aged 19 years or older 	th an X.) Parent(s)/ parent(s)-in-law Live alone Other specify Other relative specify		
 4. What is your current employment status? (Mar	Unemployed		
5. How old are you? years old			
6. What is your race? (Mark one with an X) White Black or African American Native Indian or Alaskan Native	☐ Asian☐ Native Hawaiian or Other Pacific Islander☐ Unknown		
7. What is your ethnicity? (Mark one with an X) Hispanic or Latino Non-Hispanic Unknown			

B. DAILY ACTIVITIES*

PATIENT INSTRUCTIONS: Indicate your response by marking an X in one box per question.

1.	Can you use the telephone without help, including looking up and dialing; with some help (can answer phone or dial operator in an emergency, but need a special phone or help in getting the phone number or dialing); or are you completely unable to use the telephone?
2.	Can you get to places out of walking distance without help (can travel alone on busses, taxis, or drive your own car); with some help (need someone to help you or go with you when traveling); or are you unable to travel unless emergency arrangements are made for a specialized vehicle like an ambulance?
3.	Can you go shopping for groceries or clothes (assuming you have transportation) without help (taking care of all shopping needs yourself, assuming you have transportation); with some help (need someone to go with you on all shopping trips); or are you completely unable to do any shopping?
4.	Can you prepare your own meals without help (plan and cook full meals yourself); with some help (can prepare some things but unable to cook full meals yourself); or are you completely unable to prepare any meals?
5.	Can you do your housework without help (can clean floors, etc); with some help (can do light housework but need help with heavy work); or are you completely unable to do any housework?
6.	Can you take your own medicines without help (in the right doses at the right time); with some help (able to take medicine if someone prepares it for you and/or reminds you to take it); or are you completely unable to take your medicines?
7.	Can you handle your own money without help (write checks, pay bills, etc.); with some help (manage day-to-day buying but need help with managing your checkbook and paying your bills); or are you completely unable to handle money?

^{*} OARS IADL – Fillenbaum, G.G. and Smyer, M.A., 1981

C. PHYSICAL ACTIVITIES*

1. The following items are activities you might do during a typical day. <u>Does your health limit you</u> in these activities? (*Mark an X in the box on each line that best reflects your situation.*)

	Activities	Limited a lot	Limited a little	Not limited at all
a.	<u>Vigorous activities</u> , such as running, lifting heavy objects, participating in strenuous sports			
b.	Moderate activities, such as moving a table, pushing a vacuum cleaner, bowling, or playing golf			
c.	Lifting or carrying groceries			
d.	Climbing several flights of stairs			
e.	Climbing one flight of stairs			
f.	Bending, kneeling, or stooping			
g.	Walking more than a mile			
h.	Walking several blocks			
i.	Walking one block			
j.	Bathing or dressing yourself			

^{*} MOS, Physical Functioning Scale – Stewart, A.L. and Ware, J.E., 1992

D. CURRENT HEALTH RATING* Which one of the following phrases best describes you at this time? (Mark one with an X.) ☐ Normal, no complaints, no symptoms of disease Able to carry on normal activity, minor symptoms of disease ☐ Normal activity with effort, some symptoms of disease Care for self, unable to carry on normal activity or do active work Require occasional assistance but able to care for most of personal needs Require considerable assistance for personal care Disabled, require special care and assistance Severely disabled, require continuous nursing care * Patient KPS - Loprinzi, C.L., et al., 1994 E. FALLS How many times have you fallen in the last 6 months? _____ F. YOUR MEDICATIONS Are your taking medications? ☐ Yes □ No How many prescribed medications are you taking? ____ medications How many over-the-counter medications are you taking? medications How many herbs and vitamins are you taking? ____ herbs and vitamins

G. YOUR HEALTH

1. Your General Health*

Patient Instructions: Do you have any of the following illnesses at the present time, and if so, how much does it interfere with your activities: **Not at All, A Little or A Great Deal?** (Mark an X in the box that best reflects your answer.)

				nuch d	nis illnes oes it int	<u>s:</u> erfere with	n your
IIIn	<u>ess</u>	<u>No</u>	<u>Yes</u>		Not at all	A little	A great <u>deal</u>
a.	Other cancers or leukemia			\rightarrow			
b.	Arthritis or rheumatism			→			
C.	Glaucoma			→			
d.	Emphysema or chronic bronchitis			\rightarrow			
е.	High blood pressure			\rightarrow			
f.	Heart trouble			\rightarrow			
g.	Circulation trouble in arms or legs			\rightarrow			
h.	Diabetes			\rightarrow			
i.	Stomach or intestinal disorders			\rightarrow			
j.	Osteoporosis			\rightarrow			
k.	Liver disease			\rightarrow			
l.	Kidney disease			\rightarrow			
m.	Stroke			\rightarrow			
n.	Depression			\rightarrow			

^{*} OARS IADL - Fillenbaum, G.G. and Smyer, M.A., 1981

2.	How is your eyesight (with glasses or contacts)? (Mark one with an X.) Excellent Good Fair Poor Totally blind
3.	How is your hearing (with a hearing aid, if needed)? (Mark one with an X.) Excellent Good Fair Poor Totally deaf
4.	Do you have any other physical problems or illnesses (other than listed in questions 1-4) at the present time that seriously affect your health? No Yes (If yes), specify (If yes), how much does this interfere with your activities? (Mark one with an X.) Not at all Somewhat A great deal
* O/	ARS IADL – Fillenbaum, G.G. and Smyer, M.A., 1981
	NUTRITIONAL STATUS Have you lost weight involuntarily over the past 6 months? No Yes If yes, how much? pounds
2.	What is your weight now?
3.	pounds What was your weight 6 months ago? pounds

I. HEALTH QUESTIONNAIRE*

INSTRUCTIONS: These questions are about how you have been feeling within the past month. Please mark an "X" in the box on each line that best reflects your situation.

pa	ow much of the time during the st month:	All of the <u>Time</u>	Most of the <u>Time</u>	A Good Bit of the <u>Time</u>	Some of the <u>Time</u>	A Little of the <u>Time</u>	None of the <u>Time</u>
1.	has your daily life been full of things that were interesting to you?						
2.	did you feel depressed?						
3.	have you felt loved and wanted?						
4.	have you been a very nervous person?						
5.	have you been in firm control of your behavior, thoughts, emotions, feelings?						
6.	have you felt tense or high- strung?						
7.	have you felt calm and peaceful?						
8.	have you felt emotionally stable?						
9.	have you felt downhearted and blue?						
10	. have you felt restless, fidgety, or impatient?						
11	. have you been moody, or brooded about things?						
12	. have you felt cheerful, light- hearted?						
13	have you been in low or very low spirits?						
14	. were you a happy person?						
15	did you feel you had nothing to look forward to?						
16	have you felt so down in the dumps that nothing could cheer you up?						
17	have you been anxious or worried?						

 $^{^{\}star}$ MHI-17 – Stewart, A.L. and Ware, J.E., 1992

J. SOCIAL ACTIVITIES*

1.	During the <u>past 4 weeks</u> , how much time has your <u>physical health</u> or <u>emotional problems</u> interfered with your social activities (like visiting with friends, relatives, etc.)? (Mark one with an X.)
	☐ All of the time ☐ Most of the time ☐ Some of the time ☐ A little of the time ☐ None of the time
2.	Compared to your usual level of social activity, has your social activity during the <u>past 6 months</u> decreased, stayed the same, or increased because of a change in your physical or emotional condition? (Mark one with an X.)
	 Much less socially active than before Somewhat less socially active than before About as socially active as before Somewhat more socially active as before Much more socially active than before
3.	Compared to others your age, are your social activities more or less limited because of your physical health or emotional problems? (Mark one with an X.)
	 Much more limited than others Somewhat more limited than others About the same as others Somewhat less limited than others Much less limited than others

 $^{^{\}star}$ MOS, Social Activities – Stewart, A.L. and Ware, J.E., 1992

K. SOCIAL SUPPORT*

INSTRUCTIONS: People sometimes look to others for companionship, assistance or other types of support. How often is each of the following kinds of support available to you if you need it? (*Mark an X in the box on each line that best reflects your situation.*)

		None of the <u>Time</u>	A Little of the <u>Time</u>	Some of the <u>Time</u>	Most of the <u>Time</u>	All of the <u>Time</u>
1.	Someone to help you if you were confined to bed.					
2.	Someone you can count on to listen to you when you need to talk.					
3.	Someone to give you good advice about a crisis.					
4.	Someone to take you to the doctor if you needed it.					
5.	Someone to give you information to help you understand a situation.					
6.	Someone to confide in or talk to about yourself or your problem.					
7.	Someone to prepare your meals if you were unable to do it yourself.					
8.	Someone whose advice you really want.					
9.	Someone to help you with daily chores if you were sick.					
10	. Someone to share your most private worries and fears with.					
11	. Someone to turn to for suggestions about how to deal with a personal problem.					
12	. Someone who understands your problems.					

^{*} MOS Social Support Survey - Sherbourne, C.D. and Stewart, A.L., 1991

L. SPIRITUALITY/RELIGION*

Directions: Please answer the following questions about your religious beliefs and/or involvement. (Please mark an "X" in the box on each line that best reflects your situation.)

1.	How often do you attend church, synagogue, or other religious meetings? (Mark one with an X.) More than once per week Once a week A few times a month A few times a year Once a year or less Never
	How often do you spend time in private religious activities, such as prayer, meditation or Bible study? (Mark one with an X.) More than once a day Daily Two or more times per week Once a week A few times a month Rarely or never
	following section contains 3 statements about religious belief or experience. Please mark the extent to ch each statement is true or not true for you.
3.	In my life, I experience the presence of the Divine (i.e., God). (Mark one with an X.) Definitely true of me Tends to be true Unsure Tends not to be true Definitely not true
4.	My religious beliefs are what really lie behind my whole approach to life. (Mark one with an X.) Definitely true of me Tends to be true Unsure Tends not to be true Definitely not true
5.	I tried hard to carry my religion over into all other dealings in my life. (Mark one with an X.) Definitely true of me Tends to be true Unsure Tends not to be true Definitely not true

^{*} DUREL: Duke University Religion Index – Koenig et al., 1997

1. Do y		n feel s		depresse	ed? <i>(Ma</i>	rk one	with an	X.)			
	2. How would you describe your level of anxiety, on the average? Please circle the number (0-10) best reflecting your response to the following that describes your feelings during the past week , including today .										
	0 No anx		2	3	4	5	6	7	8	9	10 Anxiety as bad as It can be
* Mahone	ey et al., 19	994; LAS	A – Locke	et al., 2007	7						

M. YOUR FEELINGS*

N. FACT-G
Below is a list of statements that other people with your illness have said are important. Please circle or mark one number per line to indicate your response as it applies to the <u>past 7 days</u>.

	PHYSICAL WELL-BEING	Not At <u>All</u>	A Little <u>Bit</u>	Some <u>-What</u>	Quite <u>A Bit</u>	Very <u>Much</u>	
GP 1	I have a lack of energy	0	1	2	3	4	Ex
GP 2	I have nausea	0	1	2	3	4	mį
GP 3	Because of my physical condition, I have trouble meeting the needs of my family	0	1	2	3	4	Ple ase
GP 4	I have pain	0	1	2	3	4	ciro le or
GP 5	I am bothered by side effects of treatment	0	1	2	3	4	ma k
GP 6	I feel ill	0	1	2	3	4	one nu mb
GP 7	I am forced to spend time in bed	0	1	2	3	4	er per
	SOCIAL/FAMILY WELL-BEING	Not At <u>All</u>	A Little <u>Bit</u>	Some <u>-What</u>	Quite <u>A Bit</u>	Very <u>Much</u>	line to ind
GS 1	I feel close to my friends	0	1	2	3	4	cat e you
GS 2	I get emotional support from my family	0	1	2	3	4	r res
GS 3	I get support from my friends	0	1	2	3	4	poi se as
GS 4	My family has accepted my illness	0	1	2	3	4	it app
GS 5	I am satisfied with family communication about my illness	0	1	2	3	4	lies to the
GS 6	I feel close to my partner (or the person who is my main support)	0	1	2	3	4	<u>pas</u> <u>t 7</u>
Q1	Regardless of your current level of sexual activity, please answer the following question. If you prefer not to answer it, please mark this box and go to the next section.						<u>day</u> <u>s</u> .
GS 7	I am satisfied with my sex	0	1	2	3	4	
	EMOTIONAL WELL-BEING	Not A	t A Little <u>Bit</u>	Some <u>-What</u>	Quite <u>A Bit</u>	Very <u>Much</u>	
GE 1	I feel sad	0	1	2	3	4	

GE 2
GE 3
GE 4
GE 5
GE 6

I am satisfied with how I am coping with my illness.	0	1	2	3	4
I am losing hope in the fight against my illness	0	1	2	3	4
I feel nervous	0	1	2	3	4
I worry about dying	0	1	2	3	4
I worry that my condition will get worse	0	1	2	3	4

GF 1
GF 2
GF 3
GF 4
GF 5
GF 6
GF 7

FUNCTIONAL WELL-BEING	Not At <u>All</u>	A Little <u>Bit</u>	Some <u>-What</u>	Quite <u>A Bit</u>	Very <u>Much</u>
I am able to work (include work at home)	0	1	2	3	4
My work (include work at home) is fulfilling	0	1	2	3	4
I am able to enjoy life	0	1	2	3	4
I have accepted my illness	0	1	2	3	4
I am sleeping well	0	1	2	3	4
I am enjoying the things I usually do for fun	0	1	2	3	4
I am content with the quality of my life right now	0	1	2	3	4

O. QUESTIONS CONCERNING THE QUESTIONNAIRE 1. Were there any questions difficult to understand? □No ☐ Yes (If yes), which questions were they? 2. Was the time it took to answer all the questions too long, just right or too short? ☐ Too short → How long would you have liked the questionnaire to be? minutes ☐ Just right ☐ Too long → How long would you have liked the questionnaire to be? ___ minutes. Which items would you remove? Yes 3. Did you find any of the questions upsetting? ☐ No (If yes), which questions were they? Could you tell me why they were upsetting? Do you think the questionnaire left out any questions that were important to ask?

Thank you for your participation.

Aging Trends and Comprehensive Geriatric Assessment

Arti Hurria, MD Professor and Director of the Cancer and Aging Research Program City of Hope

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Physiological Changes and Comorbidities Associated with Aging: Relation to Risk of Cancer Therapy Toxicity

Supriya Mohile, MD, MS Associate Professor of Medicine University of Rochester

Objectives:

- 1. To Describe how natural aging processes can facilitate the development of cancer and impact physiologic reserve
- 2. To depict how comorbidity influences outcomes in older patients with cancer as well as the challenges with measurement of comorbidity in research
- 3. To describe how comorbidity and physiologic reserve can impact toxicities of cancer treatment in older patients
- 4. To review key ways of how to reduce/prevent toxicity in older patients receiving treatment for cancer

1	Things I Want to Remember:

Comorbidity Scoring

Instructions for completing THE CHARLSON COMORBIDITY INDEX:

- 1. Complete all patient/institution information or affix RTOG patient-specific label.
- 2. Follow the "Rules for Completing The Charlson Comorbidity Index" in this appendix.
- 3. Complete the Charlson Comorbidity Index by noting "yes" or "no" for each disease.
- 4. Disease that are "no" get zero points. Diseases marked "yes" score the number of points designated in the far right column. Total the points at the bottom of the scoring sheet.
- 5. The completed form will be submitted to RTOG Headquarters

Instructions for completing THE COMORBIDITY RECORDING SHEET:

- 1. Complete all patient/institution information or affix RTOG patient-specific label.
- 2. Extract all comorbidity elements you can identify and note them on the Recording Sheet. Place the elements in the most appropriate category. Be comprehensive. The rater (*Dr. Gore*) will determine the relevant diseases and modify the category if needed.
- 3. Include past surgeries, diseases, smoking history, and functional problems, such as incontinence or constipation.
- 4. For each condition include:
 - When (e.g., 6 months ago, 5 years ago, etc.);
 - Current symptoms;
 - Related treatment (e.g., surgery, stent placement, hearing aides, glasses, etc.);
 - Related laboratory values (e.g., CR, bilirubin, Hgb);
 - Medications (scheduled/prn).
- 5. If a functional problem appears to be related to tumor or treatment, place TR after the diagnosis.
- 6. Specify as much as possible the dose/frequency of medications; the rater may use this information to rate the severity of a disease.
- 7. Leave the scoring column blank.

Contact Elizabeth Gore, M.D. at 414-805-4465 or egore@radonc.mcw.edu if you have questions.

Rules for Completing the Charlson Comorbidity Index (CCI)
(Charlson et al. *J Chron Dis.* 40:373-383, 1987) Adaptation: Do not count non-melanotic skin cancers or in situ cervical carcinoma.

Myocardial infarct	Hx of medically documented myocardial infarction
Congestive heart failure	Symptomatic CHF w/ response to specific treatment
Peripheral vascular disease	Intermittent claudication, periph. arterial bypass for insufficiency, gangrene, acute arterial insufficiency, untreated aneurysm (>=6cm)
Cerebrovascular disease (except hemiplegia)	Hx of TIA, or CVA with no or minor sequelae
Dementia	chronic cognitive deficit
Chronic pulmonary disease	symptomatic dyspnea due to chronic respiratory conditions (including asthma)
Connective tissue disease	SLE, polymyositis, mixed CTD, polymyalgia rheumatica, moderate to severe RA
Ulcer disease	Patients who have required treatment for PUD
Mild liver disease	cirrhosis without PHT, chronic hepatitis
Diabetes (without complications)	diabetes with medication
Diabetes with end organ damage	retinopathy, neuropathy, nephropathy
Hemiplegia (or paraplegia)	hemiplegia or paraplegia
Moderate or severe renal disease	Creatinine >3mg% (265 umol/l), dialysis, transplantation, uremic syndrome
2nd Solid tumor (non metastatic)	Initially treated in the last 5 years
	exclude non-melanomatous skin cancers and in situ cervical carcinoma
Leukemia	CML, CLL, AML, ALL, PV
Lymphoma, MM	NHL, Hodgkin's, Waldenström, multiple myeloma
Moderate or severe liver disease	cirrhosis with PHT +/- variceal bleeding
2nd Metastatic solid tumor	self-explaining
AIDS	AIDS and AIDS-related complex
	Suggested: as defined in latest definition

Completing the Comorbidity Recording Sheet

Examples of conditions in each category are listed below. The list is not all-inclusive. Please list other conditions that are present. All conditions, including ab values, are before the start of therapy.

Heart: MI, Arrhythmia, CHF, Angina, Pericardial disease, Valvular disease
Vascular/Hematopoietic: Hypertension, Peripheral vascular disease, Aneurysms,
Blood abnormalities (anemia, leukopenia, etc.)
Respiratory: Bronchitis, Asthma, COPD, Tobacco history (pack/year)
HEENT: Vision impairment, Sinusitis, Hearing loss, Vertigo
Upper GI (esophagus, stomach, duodenum): Reflux, PUD
Lower GI (intestines, hernia): Constipation/Diarrhea, Hemorrhoids, Diverticulitises
Liver/Pancreas/GB: Cholelithiasis/Cholecystectomy, Hepatitis/pancreatitis
Renal: Creatinine, Stones
GU (ureters, bladder, urethra, prostate, genitals, uterus, ovaries): Incontinence, UTI,
BPH, Hysterectomy, Abnormal PAP smear, Bleeding
Musculoskeletal/Skin: Arthritis, Osteoporosis, Skin cancer, Psoriasis
Neurological: Headaches, TIAs/Stroke, Vertigo, Parkinson's Disease/MS/ALS
Endocrine (record height and weight): Diabetes, Hypo/hyperthyroid, Obesity
Psychiatric: Dementia, Depression

Physiological Changes and Comorbidities Associated with Aging: Relation to Risk of Cancer Therapy Toxicity

Supriya Mohile, MD, MS Associate Professor of Medicine University of Rochester

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Assessing Functional Status, Frailty, and Fall Risk in the Older Adult with Cancer

Janine Overcash, PhD, ARNP, BC Clinical Associate Professor and Director of Adult/Gerontological Nurse Practitioner and Clinical Nurse Specialist Programs Ohio State University

Objectives:

- 1. Define and relate functional status, frailty, and falls to oncology care of the older person
- 2. Identify functional status, frailty, and fall risk screening tool appropriate for clinical practice
- 3. Identify three types of recommendations based on functional status, frailty, and fall risk screening tools

Things I Want to Remember:			

Study ID Date Tester Initials	
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SHORT PHYSICAL PERFORMANCE BATTERY PROTOCOL AND SCORE SHEET

All of the tests should be performed in the same order as they are presented in this protocol. Instructions to the participants are shown in bold italic and should be given exactly as they are written in this script.

1. BALANCE TESTS

The participant must be able to stand unassisted without the use of a cane or walker. You may help the participant to get up.

Now let's begin the evaluation. I would now like you to try to move your body in different movements. I will first describe and show each movement to you. Then I'd like you to try to do it. If you cannot do a particular movement, or if you feel it would be unsafe to try to do it, tell me and we'll move on to the next one. Let me emphasize that I do not want you to try to do any exercise that you feel might be unsafe.

Do you have any questions before we begin?

A. Side-by-Side Stand

- 1. Now I will show you the first movement.
- 2. (Demonstrate) I want you to try to stand with your feet together, side-by-side, for about 10 seconds.
- 3. You may use your arms, bend your knees, or move your body to maintain your balance, but try not to move your feet. Try to hold this position until I tell you to stop.
- 4. Stand next to the participant to help him/her into the side-by-side position.
- 5. Supply just enough support to the participant's arm to prevent loss of balance.
- 6. When the participant has his/her feet together, ask "Are you ready?"
- 7. Then let go and begin timing as you say, "Ready, begin."
- 8. Stop the stopwatch and say "Stop" after 10 seconds or when the participant steps out of position or grabs your arm.
- 9. If participant is unable to hold the position for 10 seconds, record result and go to the gait speed test.

Study ID	Date	Tester Initials	
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B. Semi-Tandem Stand

- 1. Now I will show you the second movement.
- 2. (Demonstrate) Now I want you to try to stand with the side of the heel of one foot touching the big toe of the other foot for about 10 seconds. You may put either foot in front, whichever is more comfortable for you.
- 3. You may use your arms, bend your knees, or move your body to maintain your balance, but try not to move your feet. Try to hold this position until I tell you to stop.
- 4. Stand next to the participant to help him/her into the semi-tandem position
- 5. Supply just enough support to the participant's arm to prevent loss of balance.
- 6. When the participant has his/her feet together, ask "Are you ready?"
- 7. Then let go and begin timing as you say "Ready, begin."
- 8. Stop the stopwatch and say "Stop" after 10 seconds or when the participant steps out of position or grabs your arm.
- 9. If participant is unable to hold the position for 10 seconds, record result and go to the gait speed test.

C. Tandem Stand

- 1. Now I will show you the third movement.
- 2. (Demonstrate) Now I want you to try to stand with the heel of one foot in front of and touching the toes of the other foot for about 10 seconds. You may put either foot in front, whichever is more comfortable for you.
- 3. You may use your arms, bend your knees, or move your body to maintain your balance, but try not to move your feet. Try to hold this position until I tell you to stop.
- 4. Stand next to the participant to help him/her into the tandem position.
- 5. Supply just enough support to the participant's arm to prevent loss of balance.
- 6. When the participant has his/her feet together, ask "Are you ready?"
- 7. Then let go and begin timing as you say, "Ready, begin."
- 8. Stop the stopwatch and say "Stop" after 10 seconds or when the participant steps out of position or grabs your arm.

Study ID	Date	Tester Initials	
SCORING:			
A. Side-by-side-stand	d		
Held for 10 sec		If participant did not attempt test or failed, circle	why:
Not held for 10 sec	•	Tried but unable	1
Not attempted	•	Participant could not hold position unassisted	2
If O points, end Bal		Not attempted, you felt unsafe	3
· · , · · · · · · · · · · · · · · · · · · ·		Not attempted, participant felt unsafe	4
		Participant unable to understand	
Number of seconds he	eld if	instructions	5
less than 10 sec:	sec	Other (specify)	6
		Participant refused	7
B. Semi-Tandem Stan			
Held for 10 sec	•		
Not held for 10 sec	•		
•	☐ 0 points (circle reason	above)	
If O points, end Bal	ance Tests		
Number of seconds he	eld if less than 10 sec:	sec	
C. Tandem Stand			
Held for 10 sec	□ 2 points		
Held for 3 to 9.99 sec	•		
Held for < than 3 sec	•		
	☐ 0 points (circle reason	above)	
	_ o po (e		
Number of seconds he	eld if less than 10 sec:	sec	
D. Total Balance Tes	ts score(sum p	points)	
Comments:			

Study ID Date Tester Initials	
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2. GAIT SPEED TEST

Now I am going to observe how you normally walk. If you use a cane or other walking aid and you feel you need it to walk a short distance, then you may use it.

A. First Gait Speed Test

- 1. This is our walking course. I want you to walk to the other end of the course at your usual speed, just as if you were walking down the street to go to the store.
- 2. Demonstrate the walk for the participant.
- 3. Walk all the way past the other end of the tape before you stop. I will walk with you. Do you feel this would be safe?
- 4. Have the participant stand with both feet touching the starting line.
- 5. When I want you to start, I will say: "Ready, begin." When the participant acknowledges this instruction say: "Ready, begin."
- 6. Press the start/stop button to start the stopwatch as the participant begins walking.
- 7. Walk behind and to the side of the participant.
- 8. Stop timing when one of the participant's feet is completely across the end line.

B. Second Gait Speed Test

- 1. Now I want you to repeat the walk. Remember to walk at your usual pace, and go all the way past the other end of the course.
- 2. Have the participant stand with both feet touching the starting line.
- 3. When I want you to start, I will say: "Ready, begin." When the participant acknowledges this instruction say: "Ready, begin."
- 4. Press the start/stop button to start the stopwatch as the participant begins walking.
- 5. Walk behind and to the side of the participant.
- 6. Stop timing when one of the participant's feet is completely across the end line.

Study	ID	Date	Tester Initials	
-				
GAIT S	SPEED TEST SCORING:			
	_	_		
Length	of walk test course: F	our meters 🗆	Three meters \square	
Λ Tim	o for Eirst Coit Spood 1	Tost (sos)		
1.	le for First Gait Speed 1 Time for 3 or 4 meters _	• •		
2.	If participant did not at		d circle why:	
-•	Tried but unable	cempt test of faite	1	
	Participant could not wa	alk unassisted	2	
	Not attempted, you felt		3	
	Not attempted, participa		4	
	Participant unable to un	derstand instructior	ns 5	
	Other (Specify)		_ 6	
	Participant refused		7	
	Complete score sheet ar	nd go to chair stan	d test	
2 Aid	ls for first walk	Nono 🗖 Can	e □ Other □	
3. AIC	15 101 1115L Walk	None 🗗 Can	e D Other D	
Comme	ents:			
	e for Second Gait Spee	• •		
1.	Time for 3 or 4 meters _		ما منحام سام	
2.	If participant did not at Tried but unable	tempt test or raile		
	Participant could not wa	alk unaccisted	1 2	
	Not attempted, you felt		3	
	Not attempted, participa		4	
	Participant unable to un		•	
	Other (Specify)		6	
	Participant refused		7	
3.	Aids for second walk	None 🗇	Cane □ Other □	
٥.	Alas for second watk	None	cane is other is	
What i	s the time for the faster	of the two walks?		
Record	the shorter of the two t	times :	sec	
	y 1 walk done, record th			
If the	participant was unable t	o do the walk: 🗖 🕻	points	
For 4-	Meter Walk:		For 3-Meter Walk:	
	e is more than 8.70 sec:	☐ 1 point	If time is more than 6.52 sec:	☐ 1 point
	e is 6.21 to 8.70 sec:	☐ 2 points	If time is 4.66 to 6.52 sec:	☐ 2 points
	e is 4.82 to 6.20 sec:	☐ 3 points	If time is 3.62 to 4.65 sec:	☐ 3 points
	e is less than 4.82 sec:	☐ 4 points	If time is less than 3.62 sec:	☐ 4 points
T1 C11110	. 15 1035 than 7.02 300.	- + points	II time is tess thall sive see.	- + points

Study ID	Date	Tester Initials	
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3. CHAIR STAND TEST

Single Chair Stand

- 1. Let's do the last movement test. Do you think it would be safe for you to try to stand up from a chair without using your arms?
- 2. The next test measures the strength in your legs.
- 3. (Demonstrate and explain the procedure.) First, fold your arms across your chest and sit so that your feet are on the floor; then stand up keeping your arms folded across your chest.
- 4. **Please stand up keeping your arms folded across your chest.** (Record result).
- 5. If participant cannot rise without using arms, say "Okay, try to stand up using your arms." This is the end of their test. Record result and go to the scoring page.

Repeated Chair Stands

- 1. Do you think it would be safe for you to try to stand up from a chair five times without using your arms?
- 2. (Demonstrate and explain the procedure): Please stand up straight as QUICKLY as you can five times, without stopping in between. After standing up each time, sit down and then stand up again. Keep your arms folded across your chest. I'll be timing you with a stopwatch.
- 3. When the participant is properly seated, say: "Ready? Stand" and begin timing.
- 4. Count out loud as the participant arises each time, up to five times.
- 5. Stop if participant becomes tired or short of breath during repeated chair stands.
- 6. Stop the stopwatch when he/she has straightened up completely for the fifth time.
- 7. Also stop:
 - If participant uses his/her arms
 - After 1 minute, if participant has not completed rises
 - At your discretion, if concerned for participant's safety
- 8. If the participant stops and appears to be fatigued before completing the five stands, confirm this by asking "Can you continue?"
- 9. If participant says "Yes," continue timing. If participant says "No," stop and reset the stopwatch.

Stu	dy ID Date		Te	ester Initials	
	PRING gle Chair Stand Test				
Α.	Safe to stand without help		YES		NO □
В.	Results:				
	Participant stood without using arms			→ Go to Repea	ted Chair Stand Test
	Participant used arms to stand			→ End test; so	ore as 0 points
	Test not completed			→ End test; so	ore as 0 points
C.	If participant did not attempt test or failed Tried but unable Participant could not stand unassisted Not attempted, you felt unsafe Not attempted, participant felt unsafe Participant unable to understand instructio Other (Specify) Participant refused	ns	1 2 3 4 5 6 7		
Rep	peated Chair Stand Test		V-0		
Α.	Safe to stand five times		YES		NO □
В.	If five stands done successfully, record tin	me in seconds.			
	Time to complete five stands	sec			
C.	If participant did not attempt test or failed Tried but unable Participant could not stand unassisted Not attempted, you felt unsafe Not attempted, participant felt unsafe Participant unable to understand instructio Other (Specify) Participant refused	·	1 2 3 4 5 6 7		
Pari If c	ring the Repeated Chair Test ticipant unable to complete 5 chair stands hair stand time is 16.70 sec or more: hair stand time is 13.70 to 16.69 sec: hair stand time is 11.20 to 13.69 sec: hair stand time is 11.19 sec or less:	or completes st	ands i	n >60 sec:	☐ 0 points ☐ 1 points ☐ 2 points ☐ 3 points ☐ 4 points

Study ID	Date	Tester Initials	
Scoring for Complete Shor	t Physical Performance B	Battery	
Test Scores Total Balance Test score	points		
Gait Speed Test score Chair Stand Test score	points points		
Total Score	points (sum of	points above)	

Assessing Functional Status, Frailty, and Fall Risk in the Older Adult with Cancer Janine Overcash, PhD, ARNP, BC

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Ohio State University

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Exercise Screening and Prescription for Older Adults with Cancer

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- 1. Participants will learn and become familiar with the ACSM Exercise Guidelines for Cancer Patients and Survivors
- 2. Participants will learn how to screen cancer patients and survivors for level of exercise risk and perform appropriate referrals

Things I Want to Remember:

Exercise Screening and Prescription for Older Adults with Cancer

Karen M. Mustian, PhD, MPH
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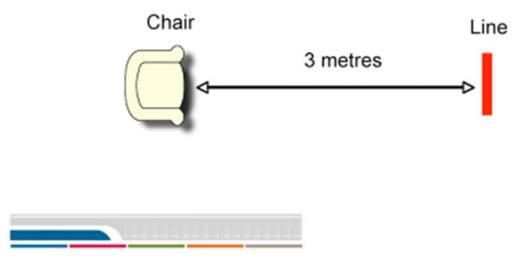
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Group Breakout: Functional Assessment Practice Session

Things I Want to Remember:

Functional Status Timed Up & Go (Podsiadlo & Richardson, 1991)

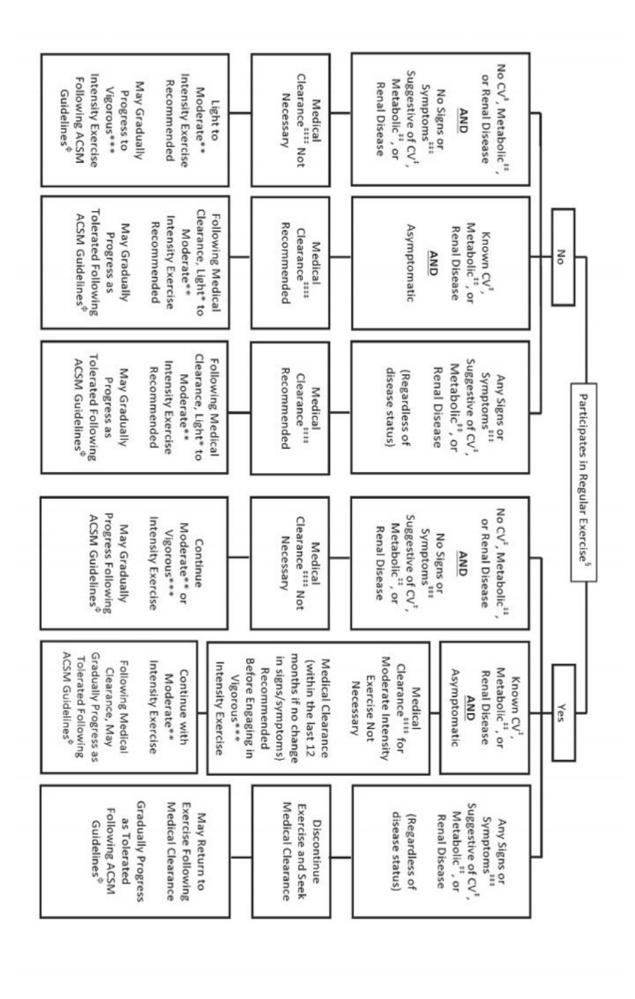
- Requires an arm chair
- Ask patient to raise and walk 3 meters turn around and return to chair. Timed cut-points indicate various aspects of frailty.



Pearls for Practice

- 1. The timed Up & Go test has been found to be correlated with falls (Shumway-Cook, Brauer, & Woollacott, 2000).
- 2. TUAG helps predict falls (Thrane, 2007).
- 3. TUAG Help predict probably of fracture (Zhu, 2011).
- 4. Poor TAUG is also associated with mortality (Tice, 2006).
- 5. The tests are timed (under 10 seconds the patient is freely independent and over 30 seconds the patient is dependent on the assistance of others) (Podsiadlo & Richardson, 1991).

patient/survivor if they exercise The cancer regularly Ask YES **N**0 Assess exercise risk level Assess exercise limitations & contraindications Low Other Moderate Pulmonary Cardiovascular Cancer-specific Orthopedic Metabolic exercise intensity, duration and mode of **Guidelines for Cancer Survivors Guidelines for Cancer Survivors** Review the benefits of Review ACSM Exercise Ask about the frequency, Review the ACSM Exercise Review the benefits of exercise Assess Advice Advice •§ 1 risk factors for cardiovascular No diagnosis or signs & symptoms of active cardinary No cancer-specific concerns or neuromuscular disease of active cardiovascular, complications with exercise pulmonary, metabolic, orthopedic Assist with identifying exercise limitations & contraindications and management Assist with identifying exercise risk and management Assist with setting appropriate exercise goals Assist with identifying exercise barriers and ways to overcome them survivor's progress toward their exercise goals Arrange follow-up call and/or appointment to Arrange for exercise oncology professional Arrange for medical consultation if appropriate discuss outcome of referrals and the patient or consultation · High Moderate · LOW Refer to exercise oncology professional Encourage to begin or continue exercise Encourage striving to reach ACSM recommendations Refer to exercise oncology professional Encourage striving to reach ACSM recommendations Encourage to begin or continue exercise Refer to medical professional for limitations & contraindications Encourage to begin or continue exercise Refer to exercise oncology professional if patient desires Encourage striving to reach ACSM recommendations ACSM EXERCISE RISK Arrange of active cardiovascular, complications with exercise 2 2 risk factors for cardiovascular MODERATE or neuromuscular disease pulmonary, metabolic, orthopedic No diagnosis or signs & symptoms No cancer-specific concerns HIGH -21 cancer-specific concerns -Diagnosis or signs & metabolic, orthopedic or symptoms of active neuromuscular disease



PAR-Q+

The Physical Activity Readiness Questionnaire for Everyone

Regular physical activity is fun and healthy, and more people should become more physically active every day of the week. Being more physically active is very safe for MOST people. This questionnaire will tell you whether it is necessary for you to seek further advice from your doctor OR a qualified exercise professional before becoming more physically active.

	Please read the 7 questions below carefully and answer each one honestly: check YES or NO.	YES	NO
1.	Has your doctor ever said that you have a heart condition OR high blood pressure?		
2.	Do you feel pain in your chest at rest, during your daily activities of living, OR when you do physical activity?		
3.	Do you lose balance because of dizziness OR have you lost consciousness in the last 12 months? Please answer NO if your dizziness was associated with over-breathing (including during vigorous exercise).		
4.	Have you ever been diagnosed with another chronic medical condition (other than heart disease or high blood pressure)?		
5.	Are you currently taking prescribed medications for a chronic medical condition?		
6.	Do you have a bone or joint problem that could be made worse by becoming more physically active? Please answer NO if you had a joint problem in the past, but it does not limit your current ability to be physically active. For example, knee, ankle, shoulder or other.		
7.	Has your doctor ever said that you should only do medically supervised physical activity?		

If you answered NO to all of the questions above, you are cleared for physical activity.



Go to Section 3 to sign the form. You do not need to complete Section 2.

- Start becoming much more physically active start slowly and build up gradually.
- Follow the Canadian Physical Activity Guidelines for your age (www.csep.ca/guidelines).
- You may take part in a health and fitness appraisal.
- If you have any further questions, contact a qualified exercise professional such as a CSEP Certified Exercise Physiologist® (CSEP-CEP).
- If you are over the age of 45 yrs. and NOT accustomed to regular vigorous physical activity, please consult a qualified exercise professional (CSEP-CEP) before engaging in maximal effort



If you answered YES to one or more of the questions above, please GO TO SECTION 2.



Delay becoming more active if:

- You are not feeling well because of a temporary illness such as a cold or fever wait until you
- You are pregnant talk to your health care practitioner, your physician, a qualified exercise professional, and/or complete the PARmed-X for Pregnancy before becoming more physically
- Your health changes please answer the questions on Section 2 of this document and/or talk to your doctor or qualified exercise professional (CSEP-CEP) before continuing with any physical activity programme.



SECTION 2 - CHRONIC MEDICAL CONDITIONS

Ple	ase read	the questions below carefully and answer each one honestly: check YES or NO.	YES	NO
1.	Do you	have Arthritis, Osteoporosis, or Back Problems?	If yes, answer questions 1a-1c	If no, go to question 2
	Do you have difficulty controlling your condition with medications or other 1a. physician-prescribed therapies? (Answer NO if you are not currently taking medications or other treatments)			
	1Ь.	Do you have joint problems causing pain, a recent fracture or fracture caused by osteoporosis or cancer, displaced vertebra (e.g., spondylolisthesis), and/ or spondylolysis/pars defect (a crack in the bony ring on the back of the spinal column)?		
	1c.	Have you had steroid injections or taken steroid tablets regularly for more than 3 months?		
2.	Do you	have Cancer of any kind?	If yes, answer questions 2a-2b	If no, go to question 3
	2a.	Does your cancer diagnosis include any of the following types: lung/bronchogenic, multiple myeloma (cancer of plasma cells), head, and neck?		
	2b.	Are you currently receiving cancer therapy (such as chemotherapy or radiotherapy)?		
3.	This inc	have Heart Disease or Cardiovascular Disease? ludes Coronary Artery Disease, High Blood Pressure, Heart Failure, Diagnosed nality of Heart Rhythm	If yes, answer questions 3a-3e	If no, go to question 4
	3a.	Do you have difficulty controlling your condition with medications or other physician-prescribed therapies? (Answer NO if you are not currently taking medications or other treatments)		
	3Ь.	Do you have an irregular heart beat that requires medical management? (e.g. atrial brillation, premature ventricular contraction)		
	3c.	Do you have chronic heart failure?		
	3d.	Do you have a resting blood pressure equal to or greater than 160/90 mmHg with or without medication? (Answer YES if you do not know your resting blood pressure)		
	3e.	Do you have diagnosed coronary artery (cardiovascular) disease and have not participated in regular physical activity in the last 2 months?		
4.		have any Metabolic Conditions? ludes Type 1 Diabetes, Type 2 Diabetes, Pre-Diabetes	If yes, answer questions 4a-4c	If no, go to question 5
	4a.	Is your blood sugar often above 13.0 mmol/L? (Answer YES if you are not sure)		
	4b.	Do you have any signs or symptoms of diabetes complications such as heart or vascular disease and/or complications affecting your eyes, kidneys, and the sensation in your toes and feet?		
	4c.	Do you have other metabolic conditions (such as thyroid disorders, pregnancy- related diabetes, chronic kidney disease, liver problems)?		
5.	This inc	have any Mental Health Problems or Learning Difficulties? ludes Alzheimer's, Dementia, Depression, Anxiety Disorder, Eating Disorder, tic Disorder, Intellectual Disability, Down Syndrome)	If yes, answer questions 5a-5b	If no, go to question 6
	5a.	Do you have difficulty controlling your condition with medications or other physician-prescribed therapies? (Answer NO if you are not currently taking medications or other treatments)		
	5b.	Do you also have back problems affecting nerves or muscles?		



Ple	ase read	the questions below carefully and answer each one honestly: check YES or NO.	YES	NO
6.		have a Respiratory Disease? cludes Chronic Obstructive Pulmonary Disease, Asthma, Pulmonary High Blood e	If yes, answer questions 6a-6d	If no, go to question 7
	Do you have difficulty controlling your condition with medications or other physician-prescribed therapies? (Answer NO if you are not currently taking medications or other treatments)			
	6b.	Has your doctor ever said your blood oxygen level is low at rest or during exercise and/or that you require supplemental oxygen therapy?		
	6c.	If asthmatic, do you currently have symptoms of chest tightness, wheezing, laboured breathing, consistent cough (more than 2 days/week), or have you used your rescue medication more than twice in the last week?		
	6d.	Has your doctor ever said you have high blood pressure in the blood vessels of your lungs?		
7.	Do you	have a Spinal Cord Injury? This includes Tetraplegia and Paraplegia	If yes, answer questions 7a-7c	If no, go to question 8
	Do you have difficulty controlling your condition with medications or other physician-prescribed therapies? (Answer NO if you are not currently taking medications or other treatments)			
	7b. Do you commonly exhibit low resting blood pressure significant enough to cause dizziness, light-headedness, and/or fainting?			
	7c.	Has your physician indicated that you exhibit sudden bouts of high blood pressure (known as Autonomic Dysreflexia)?		
8.		ou had a Stroke? cludes Transient Ischemic Attack (TIA) or Cerebrovascular Event	If yes, answer questions 8a-c	If no, go to question 9
	8a.	Do you have difficulty controlling your condition with medications or other physician-prescribed therapies? (Answer NO if you are not currently taking medications or other treatments)		
	8b.	Do you have any impairment in walking or mobility?		
	8c.	Have you experienced a stroke or impairment in nerves or muscles in the past 6 months?		
9.	Do you conditi	have any other medical condition not listed above or do you live with two chronic ons?	If yes, answer questions	If no, read the advice on page 4
	9a.	Have you experienced a blackout, fainted, or lost consciousness as a result of a head injury within the last 12 months OR have you had a diagnosed concussion within the last 12 months?		
	9Ь.	Do you have a medical condition that is not listed (such as epilepsy, neurological conditions, kidney problems)?		
	9c.	Do you currently live with two chronic conditions?		

Please proceed to Page 4 for recommendations for your current medical condition and sign this document.



PAR-Q+



If you answered NO to all of the follow-up questions about your medical condition, you are ready to become more physically active:

- It is advised that you consult a qualified exercise professional (e.g., a CSEP-CEP) to help you develop a safe and effective physical activity plan to meet your health needs.
- You are encouraged to start slowly and build up gradually 20-60 min. of low- to moderate-intensity exercise, 3-5 days per week including aerobic and muscle strengthening exercises.
- As you progress, you should aim to accumulate 150 minutes or more of moderate-intensity physical activity per week.
- If you are over the age of 45 yrs. and NOT accustomed to regular vigorous physical activity, please consult a qualified exercise professional (CSEP-CEP) before engaging in maximal effort exercise.



If you answered YES to one or more of the follow-up questions about your medical condition:

You should seek further information from a licensed health care professional before becoming more physically active or engaging in a fitness appraisal.



Delay becoming more active if:

- You are not feeling well because of a temporary illness such as a cold or fever wait until you feel better
- You are pregnant talk to your health care practitioner, your physician, a qualified exercise profesional, and/or complete the PARmed-X for Pregnancy before becoming more physically active OR
- Your health changes please talk to your doctor or qualified exercise professional (CSEP-CEP) before continuing with any physical activity programme.

SECTION 3 - DECLARATION

- > You are encouraged to photocopy the PAR-Q+. You must use the entire questionnaire and NO changes are permitted.
- The Canadian Society for Exercise Physiology, the PAR-Q+ Collaboration, and their agents assume no liability for persons who undertake physical activity. If in doubt after completing the questionnaire, consult your doctor prior to physical activity.
- If you are less than the legal age required for consent or require the assent of a care provider, your parent, guardian or care provider must also sign this form.
- Please read and sign the declaration below:

I, the undersigned, have read, understood to my full satisfaction and completed this questionnaire. I adknowledge that this physical activity clearance is valid for a maximum of 12 months from the date it is completed and becomes invalid if my condition changes. I also acknowledge that a Trustee (such as my employer, community/fitness centre, health care provider, or other designate) may retain a copy of this form for their records. In these instances, the Trustee will be required to adhere to local, national, and international guidelines regarding the storage of personal health information ensuring that they maintain the privacy of the information and do not misuse or wrongfully disclose such information.

NAME	DATE	
SIGNATURE	WITNESS	
SIGNATURE OF PARENT/GUARD	AN/CARE PROVIDER	

For more information, please contact: Canadian Society for Exercise Physiology www.csep.ca

KEY REFERENCES

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- Warburton DER, Gledhill N, Jamnik VK, Bradin SSD, McKenzie DC, Stone J, Charlesworth S, and Shephard RJ. Evidence-based risk assessment and recommendations for physical activity clearance; Consensus Document. APNM 36(S1):S266-s298, 2011.

The PAR-Q+ was created using the evidencebased AGREE process (1) by the PAR-Q+Collaboration chaired by Dr. Darren E. R. Warburton with Dr. Norman Gledhill, Dr. Veronica Jamnik, and Dr. Donald C. McKenzie (2). Production of this document has been made possible through financial contributions from the Public Health Agency of Canada and the BC Ministry of Health Services. The views expressed herein do not necessarily represent the views of the Public Health Agency of Canada or BC Ministry of Health Services.



Physical Activity Readiness Questionnaire - PAR-O (revised 2002)

PAR-Q & YOU

(A Questionnaire for People Aged 15 to 69)

Regular physical activity is fun and healthy, and increasingly more people are starting to become more active every day. Being more active is very safe for most people. However, some people should check with their doctor before they start becoming much more physically active.

If you are planning to become much more physically active than you are now, start by answering the seven questions in the box below. If you are between the ages of 15 and 69, the PAR-Q will tell you if you should check with your doctor before you start. If you are over 69 years of age, and you are not used to being very active, check with your doctor.

Common sense is your best guide when you answer these questions. Please read the questions carefully and answer each one honestly: check YES or NO.

YES	NO					
		1.	Has your doctor ever said that you have a heart condi recommended by a doctor?	tion <u>and</u> that you should only do physical activity		
		2.	2. Do you feel pain in your chest when you do physical activity?			
	In the past month, have you had chest pain when you were not doing physical activity?					
	4. Do you lose your balance because of dizziness or do you ever lose consciousness?			you ever lose consciousness?		
5. Do you have change in you		5.	Do you have a bone or joint problem (for example, bachange in your physical activity?	ack, knee or hip) that could be made worse by a		
		6.		r currently prescribing drugs (for example, water pills) for your blood pressure or heart con-		
		7.	Do you know of any other reason why you should not	do physical activity?		
lf			YES to one or more questions Talk with your doctor by phone or in person BEFORE you start becoming	g much more physically active or BEFORE you have a fitness appraisal. Tell		
you answ	ered		your doctor about the PAR-Q and which questions you answered YES. You may be able to do any activity you want — as long as you start: those which are safe for you. Talk with your doctor about the kinds of Find out which community programs are safe and helpful for you.	slowly and build up gradually. Or, you may need to restrict your activities to f activities you wish to participate in and follow his/her advice.		
If you and start b	swered M secoming and easie	0 hone much est wa	CONTROL STATE OF THE STATE OF T	DELAY BECOMING MUCH MORE ACTIVE: if you are not feeling well because of a temporary illness such as a cold or a fever — wait until you feel better; or if you are or may be pregnant — talk to your doctor before you start becoming more active.		
that yo	ou can pla our blood	n the	appraisal — this is an excellent way to determine your basic fitness so best way for you to live actively. It is also highly recommended that you sure evaluated. If your reading is over 144/94, talk with your doctor ming much more physically active.	PLEASE NOTE: If your health changes so that you then answer YES to any of the above questions, tell your fitness or health professional. Ask whether you should change your physical activity plan.		
		_	The Canadian Society for Exercise Physiology, Health Canada, and their agents assur or doctor prior to physical activity.	te no liability for persons who undertake physical activity, and if in doubt after completi		
	No	cha	nges permitted. You are encouraged to photocopy th	ne PAR-Q but only if you use the entire form.		
NOTE: If the	PAR-Q is	being (given to a person before he or she participates in a physical activity program or a fi	thess appraisal, this section may be used for legal or administrative purposes.		
		"I ha	ve read, understood and completed this questionnaire. Any questi	ons I had were answered to my full satisfaction."		
NAME				nder vach visse direkt. Settlemper var der Gebruck-vach de var kontroller der der dem der den versichen der de Gebeure		
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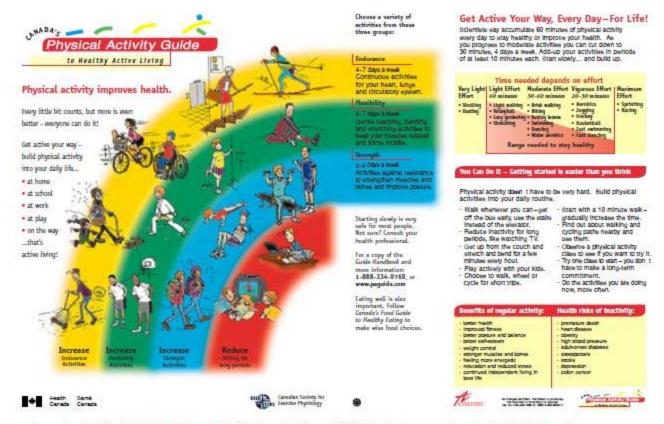
Note: This physical activity clearance is valid for a maximum of 12 months from the date it is completed and becomes invalid if your condition changes so that you would answer YES to any of the seven questions.





Physical Activity Readiness Questionnaire - PAR-Q (revised 2002)

PAR-Q & YOU



Source: Canada's Physical Activity Guide to Healthy Active Living, Health Canada, 1998 http://www.hc-sc.gc.ca/hppb/paguide/pdf/guideEng.pdf

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FITNESS AND HEALTH PROFESSIONALS MAY BE INTERESTED IN THE INFORMATION BELOW:

The following companion forms are available for doctors' use by contacting the Canadian Society for Exercise Physiology (address below):

The Physical Activity Readiness Medical Examination (PARmed-X) — to be used by doctors with people who answer YES to one or more questions on the PAR-Q.

The Physical Activity Readiness Medical Examination for Pregnancy (PARmed-X for Pregnancy) — to be used by doctors with pregnant patients who wish to become more active.

Raferances

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PAR-Q Validation Report, British Columbia Ministry of Health, 1978.

Thomas, S., Reading, I., Shephard, R.I. (1992). Revision of the Physical Activity Readiness Questionnaire (PAR-Q). Can. J. Spt. Sci. 17:4 338-345.

For more information, please contact the:

Canadian Society for Exercise Physiology 202-185 Somerset Street West Ottawa, ON K2P 0J2 Tel. 1-877-651-3755 • FAX (613) 234-3565

Online: www.csep.ca

The original PAR-Q was developed by the British Columbia Ministry of Health. It has been revised by an Expert Advisory Committee of the Canadian Society for Exercise Physiology chaired by Dr. N. Gledhill (2002).

Disponible en français sous le titre «Questionnaire sur l'aptitude à l'activité physique - Q-AAP (revisé 2002)».



SCPE © Canadian Society for Exercise Physiology





Health Canada Santé Canada

PEAK HUMAN PERFORMANCE CLINICAL RESEARCH CORE LABORATORY

Department of Surgery URCC NCORP Research Base Cancer Control Research Program



MEDICINE of THE HIGHEST ORDER

AHA /ACSM Preparticipation Screening Questionnaire

Assess your health status by marking all true statements a heart attack heart surgery cardiac catheterization coronary angioplasty pacemaker/implantable cardiac defibrillator/rhythm disturbance heart valve disease heart failure heart transplantation congenital heart disease diabetes renal disease	Non-exerciser, known disease, Medical clearance recommended
Symptoms You experience chest discomfort with exertion You experience unreasonable breathlessness You experience dizziness, fainting, or blackouts You experience ankle swelling You experience unpleasant awareness of a forceful or rapid heart rate	Non, exerciser, signs and symptoms, Medical clearance recommended
Other health issues You have asthma or other long disease you have burning or cramping sensation in your lower legs when walking short distances	
You have musculoskeletal problems that limit your physical activity You have concerns about the safety of exercise You take prescription medications You are pregnant None of the above	Non-exerciser, no disease, no signs and symptoms, NO medical clearance necessary, light-moderate intensity exercise recommended, as tolerated (progress to vigorous)

Nutrition and Aging throughout the Cancer Journey

Wendy Demark-Wahnefried, PhD, RD Professor and Webb Chair of Nutrition Sciences Associate Director, UAB Comprehensive Cancer Center

Objectives:

- 1. Review reasons why nutrition important from diagnosis and treatment, throughout survivorship, and in advanced disease
- 2. Identify conditionals that signal poor nutritional status
- 3. Review interventions that address nutritional concerns
- 4. Identify extant gaps in knowledge

Things I Want to Remember:

2012 American Cancer Society (ACS) Nutrition & Physical Activity Guidelines for Cancer Survivors

Achieve and maintain a healthy weight

If overweight or obese, limit high calorie foods & beverages increase physical activity to promote weight loss

Engage in regular physical activity

- · Avoid inactivity; resume normal activities as soon as possible following dx
- Exercise >150 minutes/week
- · Include strength training exercises at least 2 days/week

Achieve a dietary pattern that is high in vegetables, fruits and whole grains

- · Follow ACS Guidelines on Nutrition & Physical Activity for Cancer Prevention
 - Choose foods & beverages in amounts that achieve/maintain a healthy weight
 - Limit processed and red meat
 - Eat > 2.5 cups of vegetables & fruits/day
 - Choose whole grains instead of refined grain products
 - If you drink ETOH, drink <1 drink/day for ♀ & 2 drinks/day for ♂

Supplements

- · Try to obtain nutrients through diet, first.
- Consider only if a nutrient deficiency is biochemically or clinically observed, or if
 intakes fall persistently below recommended levels as assessed by an RD.

Rock et al. (2012) DOI:10.3322/CAAC.21142 www.cacancerjournal.com

Resources

- American Cancer Society: www.cancer.org
- American Dietetic Association: www.eatright.org
- American Institute for Cancer Research: www.aicr.org
- Centers for Disease Control: www.cdc.gov/HealthyLiving
- LIVESTRONG http://www.livestrong.com/myplate/
- National Center for Complementary & Integrative Health: https://nccih.nih.gov/health

Nutrition and Aging throughout the Cancer Journey

Wendy Demark-Wahnefried, PhD, RD Professor and Webb Chair of Nutrition Sciences Associate Director, UAB Comprehensive Cancer Center

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Selected References: Nutrition and Aging throughout the Cancer Journey

Demark-Wahnefried

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Studies in Animal Models:

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- 2. Rao AV¹, Demark-Wahnefried W. The older cancer survivor. Crit Rev Oncol Hematol. 2006 Nov;60(2):131-43.
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Interventions – Main Outcomes – Secondary Analysis and Methods/Design Papers (if results still pending)

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Group Breakout: Interactive Case Study and Q & A

Things I Want to Remember:

Interactive Case Study Nutrition and Aging

Henry is a 74-year old man who was recently diagnosed with metastatic prostate cancer. He is 6'0" and weighs 240 pounds and is sedentary. His medications include: Lovastatin, Coumadin, Hydrochlorothiazide, and Rosiglitazone. He will begin androgen deprivation therapy. He has been online and has started taking Prostate Health (contains zinc, selenium, copper, cranberry powder, saw palmetto, beta sitosterol, and lycopene), and calcium and vitamin D. He is very anxious and wants to know what else he should take.

You ask Henry what he ate yesterday and here is his recall (his wife chimes in that she is making Henry drink green tea between meals and pomegranate juice with each of his meals, she also has bought soy milk for Henry but "he hates it, but will eat Tofutti (soy-based ice cream 420 kcal/cup)"

Breakfast (He meets a bunch of his friends at McDonald's every weekday morning)

Sausage, Egg and Cheese Biscuit Large Coffee 4 – Creamers/ 1 pkt Spenda®

Lunch

5 oz. can of tuna on a bed of lettuce Fresh tomatoes, cucumbers and carrot sticks Olive oil and vinegar dressing 4T Pomegranate Juice (16 oz)

<u>Snack</u>

Raw Almonds (1 cup) Green Tea (16 oz) Honey (2 T)

Dinner

8 oz. Salmon drizzled with olive oil and grilled Roasted Peppers, Onions, Eggplant drizzled with olive oil and grilled Sliced Tomatoes with Olive oil and vinegar dressing Pomegranate Juice (16 oz)

Snack

Tofutti (1 pint) Green Tea (16 oz) Honey (2 T)

What dietary guidance can you provide Henry?

Nursing Initiatives at Hartford Institute: Nursing Making a Difference

Mathy Mezey, EdD, RN, FAAN Professor Emerita and Founding Director of the Hartford Institute for Geriatric Nursing New York University College of Nursing

Objectives:

- 1. Describe the relevance of geriatric assessment
- 2. Identify how to use the Hartford Institute *Try This* Series
- 3. Describe the purpose of the NICHE hospitals
- 4. Identify aspects of inter-professional practice

Things I Want to Remember:



The Hartford Institute for Geriatric Nursing (HIGN)

Since its start in 1996, the singular mission of the Hartford Institute has been to shape the quality of health care of older adults. The commitment to this mission exhibited by the dedicated Hartford Institute leadership, staff and affiliate organizations has made the HIGN today a globally recognized geriatric presence. The Hartford Institute for Geriatric Nursing is the geriatric arm of the NYU Rory Meyers College of Nursing, and has become, over the years, a beacon for all those who wish to advance geriatric care through nursing leadership and interprofessional team care.

Learn more about our programs on HIGN.org. Access our tools and resources on our clinical website www.ConsultGeri.org!

Resources on ConsultGeri.org include:

- Try This® Assessment Series: evidence-based geriatric assessment tools (https://consultgeri.org/tools/try-this-series)
 - ✓ General Assessment Series
 - ✓ Dementia Assessment Series
 - ✓ Specialty Practice Assessment Series
 - ✓ Quality Assurance and Performance Improvement in Healthcare for Older Adults Series
- Primary Care of Older Adults Program (PCOA) Series: e-Learning modules to improve the knowledge and skill sets of primary care providers, RNS and the interprofessional team with patientand family-centered and evidence-based care that is responsive to the particular needs of older adults
- Interprofessional Education and Practice (IPEP) ebooks
- Oral Health Webinars: in partnership with OHNEP and NICHE
- ConsultGeri iPod and iPad Apps: Covering topics such as Delirium, Agitation, Confusion, Fall Prevention and Post Fall Evaluation
- Gerontological Nursing Certification Review Course
- Geriatric Interdisciplinary Team Training- GITT Kit and GITT 2.0: Inter-professional Resources Developing teams of professionals to manage the complex health care issues of older adults
- Geropsychiatric Nursing Initiative: online learning modules coverings topics such as Depression and Delirium Modules
- Evidence Based Nursing Protocols
- And much more!

Issue Number D2. Revised 2012

Editor-in-Chief: Sherry A. Greenberg, PhD(c) MSN, GNP-BC New York University College of Nursing

Assessing Pain in Older Adults with Dementia

By: Ann L. Horgas, RN, PhD, FGSA, FAAN, University of Florida College of Nursing

WHY: Pain in older adults is very often undertreated, and it may be especially so in older adults with severe dementia. Changes in a patient's ability to communicate verbally present special challenges in treating pain, since self-report is considered the gold standard of pain assessment.

As with all older adults, those with dementia are at risk for multiple sources and types of pain, including chronic pain from conditions such as osteoarthritis and acute pain from surgery, injury, and infection. Untreated pain in cognitively impaired older adults can delay healing, disturb sleep and activity patterns, reduce function, reduce quality of life, and prolong hospitalization.

BEST TOOLS: Several tools are available to measure pain in older adults with dementia. Each has strengths and limitations (Herr, Decker, & Bjoro, 2006). The American Medical Directors Association has endorsed the Pain Assessment in Advanced Dementia Scale (PAINAD) (Warden, Hurley, & Volicer, 2003).

The American Society for Pain Management Nursing's Task Force on Pain Assessment in the Nonverbal Patient recommends a comprehensive, hierarchical approach to pain assessment that incorporates the following steps:

- Ask older adults with dementia about their pain. Even older adults with mild to moderate dementia can respond to simple questions about their pain.
- Use a standardized tool to assess pain intensity, such as the numerical rating scale (NRS) (0-10) or a verbal descriptor scale (VDS) (Herr, Coyne, et al., 2006). The VDS asks participants to select a word that best describes their present pain (e.g., no pain to worst pain imaginable) and may be more reliable than the NRS in older adults with dementia.
- Use an observational tool (e.g., PAINAD) to measure the presence of pain in older adults with dementia.
- Ask family or usual caregivers as to whether the patient's current behavior (e.g., crying out, restlessness) is different from their customary behavior. This change in behavior may signal pain.
- If pain is suspected, consider a time-limited trial of an appropriate type and dose of an analgesic agent. Thoroughly investigate behavior changes to rule out other causes. Use self report and observational pain measures to evaluate the pain before and after administering the analgesic.

TARGET POPULATION: Older adults with cognitive impairment who cannot be assessed for pain using standardized pain assessment instruments. Pain assessment in older adults with cognitive impairment is essential for both planned or emergent hospitalization.

VALIDITY AND RELIABILITY: The PAINAD has an internal consistency reliability ranging from .50 (for behavior assessed at rest) to .67 (for behaviors assessed during unpleasant caregiving activities). Interrater reliability is high (r = .82 - .97). The PAINAD scale is reported to have moderate to high concurrent validity, depending on whether the patient was at rest or involved in pleasant or unpleasant activities (r = .76 - .95).

STRENGTHS AND LIMITATIONS: Pain is a subjective experience and there are no definitive, universal tests for pain. For patients with dementia, it is particularly important to know the patient and to consult with family and usual caregivers.

BARRIERS to PAIN MANAGEMENT in OLDER ADULTS with DEMENTIA: There are many barriers to effective pain management in this population. Some common myths are: pain is a normal part of aging; if a person doesn't verbalize that they have pain, they must not be experiencing it; and that strong analgesics (e.g., opioids) must be avoided.

There are also some barriers to using the PAINAD to assess pain in this population. First, the PAINAD has not been evaluated for use in people with mild to moderate dementia. Second, some of the PAINAD scale behaviors, such as breathing, may be difficult to assess. Third, some studies have reported that the brevity of the PAINAD (only 5 items) makes it easy to complete, but limits its utility by restricting the range of behavioral pain indicators that may be observed in this population (Zwakhalen, Hamers, & Berger, 2006). Finally, there are no clear guidelines on the treatment of pain according to the PAINAD final scores (Horgas & Miller, 2008).

An effective approach to pain management in older adults with dementia is to assume that they do have pain if they have conditions and/or medical procedures that are typically associated with pain. Take a proactive approach in pain assessment and management.

MORE ON THE TOPIC:

Best practice information on care of older adults: www.ConsultGeriRN.org.

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Pain Assessment in Advanced Dementia (PAINAD) Scale

Items*	0 1 2		2	Score
Breathing independent of vocalization	Normal	Occasional labored breathing. Short period of hyperventilation.	Noisy labored breathing. Long period of hyperventilation. Cheyne-Stokes respirations.	
Negative vocalization	None	Occasional moan or groan. Lowlevel speech with a negative or disapproving quality.	Repeated troubled calling out. Loud moaning or groaning. Crying.	
Facial expression	Smiling or inexpressive	Sad. Frightened. Frown.	Facial grimacing.	
Body language	Relaxed	Tense. Distressed pacing. Fidgeting.	Rigid. Fists clenched. Knees pulled up. Pulling or pushing away. Striking out.	
Consolability	No need to console	Distracted or reassured by voice or touch.	Unable to console, distract or reassure.	

BREATHING

1. Normal breathing is characterized by effortless, quiet, rhythmic (smooth) respirations.

indicating more severe pain (0-"no pain" to 10-"severe pain").

Five-item observational tool (see the description of each item below).

Total scores range from 0 to 10 (based on a scale of 0 to 2 for five items), with a higher score

- Occasional labored breathing is characterized by episodic bursts of harsh, difficult or wearing respirations.
- 3. Short period of hyperventilation is characterized by intervals of rapid, deep breaths lasting a short period of time.
- 4. Noisy labored breathing is characterized by negative sounding respirations on inspiration or expiration. They may be loud, gurgling, or wheezing. They appear strenuous or wearing.
- Long period of hyperventilation is characterized by an excessive rate and depth of respirations lasting a considerable time.
- Cheyne-Stokes respirations are characterized by rhythmic waxing and waning of breathing from very deep to shallow respirations with periods of apnea (cessation of breathing).

NEGATIVE VOCALIZATION

- 1. None is characterized by speech or vocalization that has a neutral or pleasant quality.
- Occasional moan or groan is characterized by mournful or murmuring sounds, wails or laments. Groaning is characterized by louder than usual inarticulate involuntary sounds, often abruptly beginning and ending.
- 3. Low level speech with a negative or disapproving quality is characterized by muttering, mumbling, whining, grumbling, or swearing in a low volume with a complaining, sarcastic or caustic tone.
- Repeated troubled calling out is characterized by phrases or words being used over and over in a tone that suggests anxiety, uneasiness, or distress.
- Loud moaning or groaning is characterized by mournful or murmuring sounds, wails or

- laments much louder than usual volume. Loud groaning is characterized by louder than usual inarticulate involuntary sounds, often abruptly beginning and ending.
- Crying is characterized by an utterance of emotion accompanied by tears. There may be sobbing or quiet weeping.

FACIAL EXPRESSION

- Smiling is characterized by upturned corners of the mouth, brightening of the eyes and a look of pleasure or contentment. Inexpressive refers to a neutral, at ease, relaxed, or blank look.
- Sad is characterized by an unhappy, lonesome, sorrowful, or dejected look. There may be tears in the eyes.
- Frightened is characterized by a look of fear, alarm or heightened anxiety. Eyes appear wide open.
- Frown is characterized by a downward turn of the corners of the mouth. Increased facial wrinkling in the forehead and around the mouth may appear.
- Facial grimacing is characterized by a distorted, distressed look. The brow is more wrinkled as is the area around the mouth. Eyes may be squeezed shut.

BODY LANGUAGE

- Relaxed is characterized by a calm, restful, mellow appearance. The person seems to be taking it easy.
- Tense is characterized by a strained, apprehensive or worried appearance. The jaw may be clenched (exclude any contractures).
- Distressed pacing is characterized by activity that seems unsettled. There may be a fearful, worried, or disturbed element present. The rate may be faster or slower.

4. Fidgeting is characterized by restless movement. Squirming about or wiggling in the chair may occur. The person might be hitching a chair across the room. Repetitive touching, tugging or rubbing body parts can also be observed.

Total**

- Rigid is characterized by stiffening of the body. The arms and/or legs are tight and inflexible. The trunk may appear straight and unyielding (exclude any contractures).
- Fists clenched is characterized by tightly closed hands. They may be opened and closed repeatedly or held tightly shut.
- Knees pulled up is characterized by flexing the legs and drawing the knees up toward the chest. An overall troubled appearance (exclude any contractures).
- 8. Pulling or pushing away is characterized by resistiveness upon approach or to care. The person is trying to escape by yanking or wrenching him or herself free or shoving you away.
- Striking out is characterized by hitting, kicking, grabbing, punching, biting, or other form of personal assault.

CONSOLABILITY

- 1. No need to console is characterized by a sense of well being. The person appears content.
- Distracted or reassured by voice or touch is characterized by a disruption in the behavior when the person is spoken to or touched. The behavior stops during the period of interaction with no indication that the person is at all distressed
- Unable to console, distract or reassure is characterized by the inability to sooth the person or stop a behavior with words or actions. No amount of comforting, verbal or physical, will alleviate the behavior.

Reprinted from Journal of the American Medical Directors Association, 4(1), 9-15. Warden, V., Hurley, A.C., & Volicer, L. Development and psychometric evaluation of the pain assessment in advanced dementia (PAINAD) Scale.

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Editor-in-Chief: Sherry A. Greenberg, PhD, RN, GNP-BC New York University College of Nursing

The Palliative Performance Scale (PPSv2) Version 2

By: Tara A. Cleary, DNP, GNP-BC, CHPN South Nassau Communities Hospital, Oceanside, New York

WHY: Worldwide the population of older adults is growing at unprecedented rates (Institute of Medicine, 2008). Advanced age is commonly marked by increased cancer risk, chronic disease, co-morbidities, the complexity of dementia, and increasing frailty. Geriatric palliative care is an approach in the management of chronic illness and frailty in older adults (Matzo, 2008). Geriatric palliative care differs from palliative care delivered to other patient populations in regard to overall disease trajectory and prognostication with chronic illness (WHO, 2011). Health care providers' recognition of who might benefit from symptom management, advanced care planning, and care coordination is further hindered by the lack of formal training in recognition and management of advancing illness and functional decline in older adults (Evers, Meier, and Morrison, 2002). This can thereby delay the ability to identify and convey prognosis to patients and their families. Communication of prognosis is essential for informed decision making.

BEST TOOL: The Palliative Performance Scale (PPSv2) Version 2 is a communication tool for quickly describing a person's current functional level. The PPSv2 allows more common language about performance status than the Karnofsky Performance scale from which it is based. The PPSv2 uses five observer rated domains: ambulation; activity & evidence of disease; self-care; intake; and conscious level.

TARGET POPULATION: The PPSv2 is appropriate for use in all health care settings and for older adults with various diseases. It is appropriate to be used with adults of any age, with various language, culture, and literacy levels. Presently, it is translated into nine languages (English, French, Japanese, German, Thai, Arabic, Spanish, Portuguese and Dutch). There is limited data regarding the use of the PPSv2 in pediatric populations.

VALIDITY AND RELIABILITY: The PPSy2 is intended for use by any health care professional such as physicians, nurses, respiratory therapists, physical and occupational therapists, dietitians, chaplains, or trained volunteers. As such the scoring is subject to individual variation and interpretation. Although intended as a professional tool, there are many families, and some patients, who have used PPS. Ho et al. (2008) demonstrated strong inter and intra-rater reliability for the PPS among 2 groups with intraclass correlation coefficients for absolute agreement of 0.959 and 0.964 for group 1 at times 1 and 2, 0.951 and 0.931 for group 2 at times 1 and 2, respectively. Additionally, validity was established based on content validation through interviews of palliative care experts (Ho et al., 2008).

STRENGTHS AND LIMITATIONS: The PPSv2 identifies potential needs of people with advanced illness. This is particularly useful in those with disease progression and functional decline. A succinct reporting of performance status allows for communication about the amount of support the person may need with decreases in scores indicating a progressing condition. Although initially designed for 'palliative' adults with advanced illness, the PPSv2 has been utilized across various settings and is translatable for others based on performance or functional

MORE ON THE TOPIC:

Best practice information on care of older adults: www.ConsultGeriRN.org.

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The Palliative Performance Scale (PPSv2) Version 2



Palliative Performance Scale (PPSv2) version 2

PPS Level	Ambulation	Activity & Evidence of Disease	Self-Care	Intake	Conscious Level
100%	Full	Normal activity & work No evidence of disease	Full	Normal	Full
90%	Full	Normal activity & work Some evidence of disease	Full	Normal	Full
80%	Full	Normal activity with Effort Some evidence of disease	Full	Normal or reduced	Full
70%	Reduced	Unable Normal Job/Work Significant disease	Full Normal or reduced		Full
60%	Reduced	Unable hobby/house work Significant disease	Occasional assistance necessary	Normal or reduced	Full or Confusion
50%	Mainly Sit/Lie	Unable to do any work Extensive disease	Considerable assistance required	Normal or reduced	Full or Confusion
40%	Mainly in Bed	Unable to do most activity Extensive disease	Mainly assistance Normal or reduced		Full or Drowsy +/- Confusion
30%	Totally Bed Bound	Unable to do any activity Extensive disease	Total Care	Normal or reduced	Full or Drowsy +/- Confusion
20%	Totally Bed Bound	Unable to do any activity Extensive disease	Total Care	Minimal to sips	Full or Drowsy +/- Confusion
10%	Totally Bed Bound	Unable to do any activity Extensive disease	Total Care	Mouth care only	Drowsy or Coma +/- Confusion
0%	Death	-	-	-	-

Instructions for Use of PPS (see also definition of terms)

- 1. PPS scores are determined by reading horizontally at each level to find a 'best fit' for the patient which is then assigned as the PPS% score.
- 2. Begin at the left column and read downwards until the appropriate ambulation level is reached, then read across to the next column and downwards again until the activity/evidence of disease is located. These steps are repeated until all five columns are covered before assigning the actual PPS for that patient. In this way, "leftward columns (columns to the left of any specific column) are 'stronger' determinants and generally take precedence over others.

Example 1: A patient who spends the majority of the day sitting or lying down due to fatigue from advanced disease and requires considerable assistance to walk even for short distances but who is otherwise fully conscious level with good intake would be scored at PPS 50%.

Example 2: A patient who has become paralyzed and quadriplegic requiring total care would be PPS 30%. Although this patient may be placed in a wheelchair (and perhaps seem initially to be at 50%), the score is 30% because he or she would be otherwise totally bed bound due to the disease or complication if it were not for caregivers providing total care including lift/transfer. The patient may have normal intake and full conscious level.

Example 3: However, if the patient in example 2 was paraplegic and bed bound but still able to do some self-care such as feed themselves, then the PPS would be higher at 40 or 50% since he or she is not 'total care.'

- 3. PPS scores are in 10% increments only. Sometimes, there are several columns easily placed at one level but one or two which seem better at a higher or lower level. One then needs to make a 'best fit' decision. Choosing a 'half-fit' value of PPS 45%, for example, is not correct. The combination of clinical judgment and 'leftward precedence' is used to determine whether 40% or 50% is the more accurate score for that patient.
- 4. PPS may be used for several purposes. First, it is an excellent communication tool for quickly describing a patient's current functional level. Second, it may have value in criteria for workload assessment or

Definition of terms and instructions for use of the PPS available at: http://www.victoriahospice.org/sites/default/files/pps_english.pdf

Palliative Performance Scale (PPSv2) version 2. *Medical Care of the Dying, 4th ed.*; p.120. ©Victoria Hospice Society, 2006. Copyright Victoria Hospice Society: www.victoriahospice.org



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Editor-in-Chief: Sherry A. Greenberg, PhD(c) MSN, GNP-BC New York University College of Nursing

Pain Assessment for Older Adults

By: Ellen Flaherty, PhD, APRN, BC, Dartmouth-Hitchcock Medical Center

WHY: Studies on pain in older adults (persons 65 years of age and older) have demonstrated that pain is a common problem. In one study, 50% of adults 65 years of age and older said they experienced pain in the previous 30 days (U.S. Dept. of Health and Human Services, 2006). Up to 80% of nursing residents experience pain regularly. Yet, the undertreatment of pain is pervasive (Zanocchi et al., 2008). Reasons for this include the belief that pain is a normal part of aging, misconceptions about addiction to pain medications, and a lack of routine pain assessment. Persistent pain has been associated with functional impairment, falls, slow rehabilitation, depression, anxiety, decreased socialization, sleep disturbance, as well as increased healthcare utilization and costs. In an effort to improve the detection and management of pain, the Joint Commission on Accreditation of Healthcare Organizations has mandated pain screening noting pain "the fifth vital sign." A proactive, consistent approach must be taken to screen for pain and assess older adults for persistent pain.

BEST TOOL: Identifying and measuring pain begins with self report. This can be challenging in a population with sensory deficits and disparities in cognition, literacy, and language. Simply worded questions and tools, which can be easily understood, are the most effective. The most widely used pain intensity scales used with older adults are the Numeric Rating Scale (NRS), the Verbal Descriptor Scale (VDS) and the Faces Pain Scale-Revised (FPS-R). The most popular tool, the NRS, asks a patient to rate their pain by assigning a numerical value with zero indicating no pain and 10 representing the worst pain imaginable. The VDS asks the patient to describe their pain from "no pain" to "pain as bad as it could be." The FPS-R asks patients to describe their pain according to a facial expression that corresponds with their pain.

TARGET POPULATION: All three scales are used with both community and older adults in acute and long term care settings. While there are specific tools designed to capture pain in non-verbal cognitively impaired older adults, studies have shown that the Faces, Numeric Rating and Verbal Descriptor scales may be used effectively with cognitively impaired older adults. The choice of a scale may depend on institutional preference or the presence of a particular language or sensory impairment. The most important consideration is the consistent use of the same scale with each individual patient.

VALIDITY AND RELIABILITY: All three scales have demonstrated good internal consistency with Cronbach's α coefficients of 0.85 to 0.89. Test-retest reliability for each ranged from 0.57 to 0.83 for the NRS, from 0.52 to 0.83 for the Verbal Descriptor Scale, and from 0.44 to 0.94 for the FPS-R. A factor analysis found that all three scales were valid, although the FPS-R was the weakest (Herr, Spratt, Mobily, & Richardson, 2004).

STRENGTHS AND LIMITATIONS: The overall strengths of these scales are their ability to quickly and reliably screen for pain. These scales should not be substituted for a more comprehensive pain assessment that would include obtaining a pain history and a physical exam leading to the etiology of pain. For cognitively intact older adults all three scales are effective screening tools, with the NRS being the most widely used tool. Studies have shown that cognitively impaired nursing home residents were most likely able to complete the VDS and less likely to be able to complete the NRS or the FPS-R. These scales have been used successfully used with a variety of ethnic populations however the research is limited. Language barriers may facilitate the use of the FPS-R when communication is limited.

MORE ON THE TOPIC:

Best practice information on care of older adults: www.ConsultGeriRN.org.

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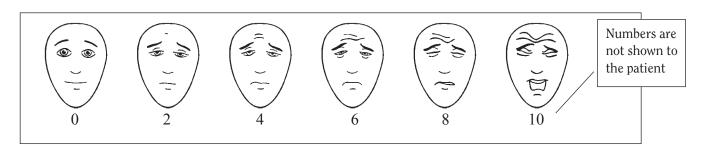
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Faces Pain Scale - Revised

From "The Faces Pain Scale – Revised. Toward a Common Metric in Pediatric Pain Measurement," by C.L. Hicks, C.L. von Baeyer, P.A. Spafford, I. van Korlaar, & B. Goodenough, 2001, Pain, 93, 173-183. Reprinted with permission of the International Association for the Study of Pain.

Note: This is a smaller sample of the actual scale. For further instructions on the correct use of the scale and more information, please go to www.painsourcebook.ca



Numeric Rating Scale

Please rate your pain from 0 to 10 with 0 indicating no pain and 10 representing the worst possible pain.

Adapted from Jacox, A., Carr, D.B., Payne, R., et al. (March 1994). Management of Cancer Pain. Clinical Practice Guideline No. 9. AHCPR Publication No. 94-0592. Rockville, MD: Agency for Health Care Policy and Research, U.S. Department of Health and Human Services.



Verbal Descriptor Scale

sk the patient: Please describe your pain from "no pain" to "mild", "moderate", "severe", or "pain as					
bad as it could be."					

Adapted from Jacox, A., Carr, D.B., Payne, R., et al. (March 1994). Management of Cancer Pain. Clinical Practice Guideline No. 9. AHCPR Publication No. 94-0592. Rockville, MD: Agency for Health Care Policy and Research, U.S. Department of Health and Human Services.



Nursing Initiatives at Hartford Institute: Nursing Making a Difference

Mathy Mezey, EdD, RN, FAAN Professor Emerita and Founding Director of the Hartford Institute for Geriatric Nursing New York University College of Nursing

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Navigating the Medical-Legal Concerns in the Care of Older Adults

June McKoy, MD, MPH, JD, MBA
Associate Professor of Medicine
Director of Geriatric Oncology
Robert H. Lurie Comprehensive Cancer Center

Objectives:

- 1. To illustrate the enormity of the socio-legal challenges faced by older individuals living with cancer
- 2. To increase knowledge among oncology nurses of existing federal and state laws that can equip them to be effective advocates for their aging patients
- 3. To advance the knowledge, implementation, and scale up of evidence-informed legal strategies and programs to assist older individuals living with cancer
- 4. To provide a platform for open discussion of the challenges faced by aging patients living with cancer and to utilize case presentations to cement attendees' understanding of how to navigate the legal terrain to assist their patients
- 5. To increase the capacity of oncology nurses to implement and advocate for effective evidence-informed legal interventions in their communities
- 6. To utilize case-based multi-stakeholder dialogue to explore legal solutions to common and emerging challenges faced by older individuals as they navigate the cancer continuum from diagnosis through treatment and survivorship

Things I Want to Remember:

Navigating the Medical-Legal Concerns in the Care of Older Adults

June McKoy, MD, MPH, JD, MBA
Associate Professor of Medicine
Director of Geriatric Oncology
Robert H. Lurie Comprehensive Cancer Center

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Community Legal Resources for the Older Adult with Cancer

Stephanie Fajuri, JD Director of Disability Rights Disability Rights Legal Center – Cancer Legal Resource Center

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	Things I Want to Remember:	

Community Legal Resources for the Older Adult with Cancer

Resource	Contact
Cancer Legal Resource Center (CLRC)	www.cancerlegalresourcecenter.org
CLRC National Telephone Assistance Line	www.clrcintake.org /1-866-THE-CLRC (1-866-843-2572)/
CLRC Webinars	www.youtube.com/CancerLRC
Local State Health Insurance Assistance Program (SHIP) Office	www.shiptacenter.org
Medicare Rights Center	www.medicarerights.org
Local Legal Aid organization	www.lsc.gov
US Department of Housing and Urban	1-800-569-4287
Development	www.hud.gov
AARP Foundation	1-800-209-8085
National Housing Law Project	www.nhlp.org
Free Advance Directive forms for every state	www.caringinfo.org
End of life counseling	www.compassionandchoices.org
American Cancer Society "Road to Recovery"	www.cancer.org
National Patient Travel Center	www.patienttravel.org
Area Agency on Aging	www.n4a.org
Elder Care Locator	www.eldercare.gov
American Associate of Retired Persons	www.aarp.org
Caregiver Action Network	www.caregiveraction.org
Family Caregiver Alliance	www.caregiver.org
Lotsa Helping Hands	www.lotsahelpinghands.com
NeedyMeds	www.needymeds.org



DIRECT LINE: 866-THE-CLRC (866-843-2572)
ONLINE INTAKE FORM: www.CLRCintake.org

EMAIL: CLRC@DRLCenter.org Fax: 213-736-1428

Video Relay Phone : 213-908-1079 www.CancerLegalResourceCenter.org

National Financial Assistance Resources

The Cancer Legal Resource Center (CLRC) has designed this information sheet to answer commonly asked questions regarding the availability of possible financial assistance. However, this handout may be just a starting point for you to find out additional information. Please feel free to contact the CLRC at (866) THE-CLRC if you need additional information or to answer other questions you may have.

The American Cancer Society (ACS) is a nationwide, community based, voluntary health organization. With over 3,400 local offices, the ACS provides information on all aspects of cancer through its toll-free information line (800) ACS-2345, website at www.cancer.org and through published materials.

To find financial assistance resources in your area:

- (1) Log on to www.cancer.org, click 'Find Support & Treatment' in the middle of the homepage, and under 'Find Support & Treatment Topics' click 'Find Support Programs and Services in Your Area'
- (2) Click 'Search for Support Programs and Services in Your Area" and type in your zip code or city in the prompt box, and then click 'SEARCH.'
- (3) You can also narrow down the type of resources you are looking for under "Program Type"

If you have additional questions, simply call the ACS toll free information line at (800) ACS-2345 and ask specifically about financial assistance resources available in your area.



Cancer *Care* is a national non-profit organization that provides free professional support services to anyone affected by cancer including patients, caregivers, children, loved ones and the bereaved. Cancer *Care* programs include counseling, education, and financial assistance.

Cancer Care typically provides financial assistance in two ways: The Cancer Care Co-Payment Assistance Foundation provides help for those who cannot afford their medication co-payments. Please check their website for covered diagnoses and medications. Cancer Care also provides limited financial assistance to help with the costs of treatment-related transportation, child care, and home care, for all types of cancer. Financial assistance does not cover basic living expenses like rent, mortgages, utility payments, or food. To qualify, and individual must have a diagnosed cancer and be in active treatment. An applicant must also meet Cancer Care's income guidelines. An applicant must call for a brief interview and submit an application. You can view the application online but must call in order to apply.



To apply for CancerCare's financial assistance:

Call toll free (800) 813-HOPE (4673); or visit www.cancercare.org

Beginning **August 6**, 2013 CancerCare will only accept requests for assistance for men who meet one of the following criteria:

- 1. Men diagnosed with **multiple myeloma** (through our Door-to-Door program) in all 50 states and Puerto Rico.
- 2. Men who **reside in the five boroughs of NYC**: Manhattan, Bronx, Brooklyn, Queens or Staten Island.
- 3. Men residing in **San Diego** and **Imperial counties in California**.



AVON Cares Program for Medically Underserved Women provides financial assistance to low-income and uninsured women throughout the country. The Avon Cares program will provide the following service for women in the United States and Puerto Rico with breast or gynecological cancer and their families: financial assistance, emotional support for individuals and families, education and outreach, information about cancer and treatment, and referrals to other services. AVON Cares also offers patient navigation one-on-once coordination with a bicultural, bilingual patient navigator.

Individuals must be in active treatment or within a year of active treatment of some kind. For information on the AVON Cares, **contact CancerCare at 1-800-813-HOPE (4673) or visit** www.cancercare.org.



Through a partnership between Susan G. Komen for the Cure and CancerCare, qualified, low income, under-insured or uninsured breast cancer patients may be eligible for financial assistance under the **Linking A.R.M.S**. program. Grants to cover the costs of oral cancer treatment medications, pain and anti-nausea medications, lymphedema support and supplies, prostheses, and durable medical equipment may be available. There are no citizen or residency requirements, and services are offered in English and Spanish. **For more information call toll free (800) 462-9273 or visit www.cancercare.org. For the Linking A.R.M.S. program, call (800) 813-HOPE.**



Patient Services Incorporated (PSI) is a non-profit organization dedicated to subsidizing the high costs of health insurance premiums and pharmacy co-payments for individuals with a very limited number of specific chronic illnesses and rare disorders. Through private and corporate donations, PSI offers assistance to families based on the severity of the medical and financial need. PSI also has a breast cancer screening program for women with a family history of breast cancer or who

CANCER LEGAL RESOURCE CENTER
May 13, 2016
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have tested positively for the BRCA gene mutation and financial assistance for an MRI. **To request an application, call toll free (800) 366-7741.** If approved, assistance will be granted for a maximum of two years pending the availability of PSI funds. For more information, visit www.patientservicesinc.org/.

PATIENT ADVOCATE FOUNDATION CO-PAY RELEEF

The Patient Advocate Foundation Co-Pay Relief program offers personal services to patients diagnosed with breast cancer, kidney cancer, lung cancer, prostate cancer, sarcoma, and muscular degeneration. Assistance may also be available to patients who are experiencing secondary issues as a result of cancer treatment.

The Co-Pay Relief program offers personal services to all patients through the use of call counselors. These counselors will assist you throughout the entire application process and screen for eligibility (by collecting financial and medical information) from everyone who calls to apply for the program. For information about this Co-Pay Relief program, log on to www.copays.org. To find a comprehensive list of resources for specific types of cancer:

- (1) Call toll free (800) 532-5274 or (866) 512-3861; or
- (2) Log on to www.patientadvocate.org, click on 'Resources,' then click on 'National Financial Resources Guide'



Patient Advocate Foundation's Colorectal CareLine is a patient/provider hotline designed to provide assistance to patients who have been diagnosed with colorectal cancer and are seeking education and access to care. For more information about the Colorectal CareLine, log on to www.colorectalcareline.org or call (866) 657-8634.



If you are having difficulties paying your utilities, your local **Low Income Home Energy Assistance Program** (LIHEAP) may be able to assist you with bill payment. The program also assists families with bills related to energy crises, weatherization and energy-related minor home repairs. **To apply, contact the LIHEAP program in your community or call the National Energy Assistance Referral Project at toll free (866) 674-6327 for more information.**



The Leukemia & Lymphoma Society offers patients who reside in the United States and Puerto Rico and have difficulty paying for or simply cannot afford their private or public health insurance premiums or co-pay obligation, a possibility that they may be eligible for this program. It is available to patients with chronic myelogenous leukemia, chronic lymphocytic leukemia, Hodgkin lymphoma, Non-Hodgkin lymphoma, myelodysplastic syndromes, Myeloma, and Waldenstrom macroglobulinemia. Individuals must meet strict financial guidelines in order to be eligible. To apply, contact the Co-Pay Assistance Program at (877) 557-2672 or contact the information resource center at (800) 955-4572 or log on to www.lls.org/copay or email copay@lls.org



The **HealthWell Foundation** provides copayment and premium payment assistance to eligible individuals. This means that if you've been prescribed a medication, but are unable to afford the copayment required by your insurer, they may be able to help by paying some or all of your copayment. Also, if you are eligible for health insurance, but cannot afford the insurance premium, they may be able to help by paying some or all of your insurance premium. They are currently able to provide assistance to patients undergoing treatment in several disease areas. **To apply for the program log on to** www.healthwellfoundation.org. **For questions, contact the HealthWell Foundation at (800) 675-8416.**



The **Patient Access Network Foundation** is a non-profit 501(c)(3) organization dedicated to supporting the needs of patients that cannot access the treatments they need due to out-of-pocket health care costs. **To apply, call (866) 316-PANF (7263) or visit www.panfoundation.org.** A Patient Access Network Foundation counselor will work with you directly to assist you in completing the application and assess your eligibility for assistance. Individuals must meet certain financial, insurance, and medical criteria to be eligible.



The **National Marrow Donor Program** (NMDP) offers financial assistance through its Be The Match Foundation Patient Assistance Program (the fund-raising partner of the NMDP). The Patient Assistance Program helps patients pay for searching the NMDP Registry and/or for some post-transplant costs. Applications for Patient Assistance Program funds must be submitted by an NMDP transplant center. Eligible patients may ask their transplant center coordinator to apply for one or both programs (search assistance and/or transplant support assistance). **For more information, call (888) 999–6743 or log on to www.bethematch.org/patient**



United Way engages the community to identify the underlying causes of the most significant local issues, develops strategies and pulls together financial and human resources to address them, and measures the results. **To apply for financial assistance**, **log on to** <u>www.unitedway.org</u>.



The Association of Jewish Families and Children's Agency is a vital force in Jewish life; providing social and human services to the most vulnerable in our community. For more information, call (410) 843-7573 or (800) 634-7346 or log on to www.ajfca.org.



The **Cancer Fund of America** helps cancer patients by providing items such as liquid nutritional supplements and vitamins, lotions and ointments, food items, various medical supplies, and non-prescription medicine, toys, clothing, and hygiene items. **For more information,**visit www.cfoa.org or call (800) 578-5284.



The **Chronic Disease Fund** is a nonprofit charitable organization that helps underinsured patients with chronic disease, cancer, or life-altering conditions obtain the expensive medications they need. They assist patients throughout the United States who meet income qualification guidelines and have private insurance or Medicare Part D plan but cannot afford the co-payments for their specialty therapeutics. **For more information**,

visit https://patientsandpros.cdfund.org// or call (877) 968-7233.



The **National Leukemia Research Association** provides financial assistance to leukemia patients of all ages for x-ray therapy, chemotherapy, and leukemia drugs, as well as for laboratory fees associated with leukemia. **For more information, visit** www.childrensleukemia.org or call (516) 222-1944.

HelpHOPELive provides fundraising assistance to cancer patients in need of transplants. Additionally, the HelpHOPELive provides fundraising guidance and some financial assistance. For more information, visit www.helphopelive.org or call (800) 642-8399 or (610) 727-0612.

Sensational in Survival provides financial assistance, essential services and quality life enhancements during treatment to those battling breast cancer and living in the Rodchester, New

York area. They provide grants for financial support for housing, utility expenses, transportation, groceries, wigs and pharmacy co-pays. For more information, visit http://www.helpsis.org or call (585) 662-5812.



Modest Needs provides assistance for small, emergency expenses which an individual could not have anticipated or prepared for. For more information, visit www.modestneeds.org or call (212) 463-7042.



The **Cancer Financial Assistance Coalition** (CFAC) is a coalition of organizations helping cancer patients manage their financial challenges. Patients can search their online resource directory to find assistance based on their diagnosis or the type of assistance they are looking for.

For more information, visit www.cancerfac.org/.



The National Foundation for Transplants (NFT) provides fundraising for transplants. Their trained fundraising consultants help patients raise money to help with transplant expenses. The NFT can help with different costs related to transplant procedures including hospital bills and deposits, doctors' appointments, pharmacy needs, caregiver expenses, insurance premiums, temporary mortgage assistance, travel, food and lodging expenses, and co-pays. Since its founding, NFT's fundraising campaigns have raised almost \$60 million to assist patients with transplant procedures. To sign up for the NFT's fundraising assistance program, contact them at (800) 489-3863 or email info@transplants.org. You can also fill out an application on their website www.transplants.org.



The **Assistance Fund** offers financial assistance programs to patients diagnosed with critical or chronic illnesses. Applicants must be US citizens or permanent residents and meet financial criteria. **To apply to one of their programs, visit** www.theassistancefund.org or call (855) 845-3663.



Triple Step Toward the Cure provides financial assistance to women undergoing treatment for triple negative breast cancer. They can provide financial support for meal delivery services, emergency funds for rent, groceries and utilities, transportation related to treatment, housekeeping services, childcare, co-pay assistance, prosthetics and wigs. You can fill out an application online at www.triplesteptowardthecure.org or call (510) 562-1889 or (424) 258-0313.



Sisters Network is committed to increasing local and national attention to the devastating impact that breast cancer has in the African American Community. Their Breast Cancer Assistance Program (BCAP) provides financial assistance for medical related lodging, co-pay, doctor's appointments, mammograms, and prosthetics. To download an application visit www.sistersnetworkinc.org or call (718) 781-0255 for more information.



The SAMFund provides young adult cancer survivors with tools and resources to overcome financial challenges and more forward with their lives. Since 2005 they have awarded \$900,000 in grants to hundreds of young adults throughout the country. They also offer free webinars on a variety of topics including reducing medical debt, family building options, and employment challenges. The 2013 grant application process will open in June. Patients must be between the ages of 17 and 35, finished with active treatment, and residents of the United States.

Visit www.thesamfund.org for more information.



The **Lois Merrill Foundation** funds research for new treatments, provides financial support for patients and their families, and promotes awareness and education for rare cancers, but carcinoid cancers are its main focus. **Medical Assistance Grants** provide patients with medical expense assistance. This grant is based on financial need. The foundation accepts applications year-round but only reviews applications once a year. The next grant review deadline is July 1, 2013. **Foundation Assistance Grants** provide non-profit organizations with funds to support research and education in conjunction with the goals of the foundation. For an application, go to www.thelmf.com/ or email info@theloismerrillfoundation.org.



Assistance with Medications

NeedyMeds is a non-profit information resource that seeks to find assistance programs to help patients afford their medications and costs related to health care. The NeedyMeds Drug Discount Card can be used by people with or without insurance and get help reduce medication costs. There are no income, insurance, or residency requirements, and no fees or registration process needed to use the card. **For more information go to** www.needymeds.org or call 1-800-503-6897.



The Partnership for Prescription Assistance helps qualifying patients without prescription drug coverage get medications free or at a lower cost. You can apply online at www.pparx.org or call 1-888-4PPA-NOW or 1-888-477-2669.



RxHope helps patients obtain free or low-cost medications. You can fill out a patient assistance request on their website www.rxhope.com or call (877) 267-0517.



RxAssist offers a free comprehensive database of patient assistance programs fun by pharmaceutical companies. These programs provide free medications to patients who cannot afford to buy their medicine. **To access the database, visit** www.rxassist.org.



Together Rx offers a free prescription savings card for patients who are not eligible for Medicare, do not have prescription drug coverage, and meet income eligibility levels. Cardholders generally save between 25 and 40 percent on their prescriptions. To enroll in the program visit www.togetherrxaccess.com or call (800) 444-4106

Food Assistance



The **Supplemental Nutritional Assistance Program** (formerly known as Food Stamps) helps low-income individuals and families buy the food they need for good health. You apply for benefits by completing a state application form. Benefits are provided on an electronic card that is used like an ATM card and accepted at most grocery stores. **For more information**, visit www.fns.usda.gov and to apply contact your local SNAP office of call your state's SNAP hotline. Some states also allow you to apply online.



Meals on Wheels provides home-delivered meals and services to seniors. For more information or to find a local affiliate, visit www.mowaa.org or call 1-888-998-6325



Feeding America network provides food assistance to more than 25 million low income people facing hunger in the US. They have a network of more than 200 food banks serving all 50 states,

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the District of Columbia and Puerto Rico. For more information, visit www.feedingamerica.org or call (800) 771-2303.

Credit and Medical Debt Counseling



Families USA is a national nonprofit dedicated to the achievement of high-quality, affordable health care for all Americans. They have a free, online consumers guide to coping with medical debt that can be found at: http://familiesusa.org/product/shortchanged-medical-debt.



The National Foundation for Credit Counseling is the nation's largest financial counseling organization. The NFCC Member Agency Network includes more than 700 community-based offices located in all 50 states and Puerto Rico. More than three million consumers annually receive financial counseling and education from NFCC Member Agencies in person, over the phone, or online. To locate an NFCC Member Agency in your area call 800-388-2227 or visit www.nfcc.org.



Medical Billing Advocates has advocacy programs, consumer education programs, and expert advocates focused on the healthcare industry. Their website connects patients with private companies or individuals for hire that work with medical providers on their behalf to get their bills reduced. They can help people find errors or overcharges in your medical bills, appeal coverage denials with insurers, or negotiate lower fees with medical providers. For more information visit www.billadvocates.com

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Introduction to Goal Development

Peggy Burhenn, MS, CNS, AOCNS Professional Practice Leader City of Hope

Things I Want to Remember:

Goal Development Geriatric Oncology: Educating Nursing to Improve Quality Care

S	Strategic Specific	What would be seen as a "success" that matters? Who will do what, with or for whom?
M	Measurable	Is it measurable and can WE measure it? Are there existing measures we can use?
A	Achievable/Attainable	Can we get it done in the proposed timeline with the resources that we have?
R	Realistic	Will this objective be "do-able". Does the project fit with the overall strategy and goals of the organization? Devise a plan for getting there which makes the goal realistic. Set a bar high enough for a satisfying achievement.
T	Time-framed	Must have a clear target to work towards. Time must be measurable, attainable and realistic.

Adapted from smart goals information at www.goal-setting-guide.com/smart-goals.html

Examples of goals:

Within 6 months I will present an overview of physiologic changes and comorbidities associated with aging to the general nursing staff.

Will develop a protocol to add geriatric assessment parameters to admission assessment for all patients 70 years and older within 12 months. This will include: function, nutrition, cognition, social support, comorbidity, and psychological state upon admission.

Will coordinate an interdisciplinary team to review cases of oncology patients 75 years and older to evaluate needs and resources available to improve their care by 12 months.

We will pilot the use of a chemotherapy toxicity predictive plan for patients 70 years and older who are anticipated to receive chemotherapy.

Will provide a Timed-Up-and-Go (TUG) to all inpatient admissions for patients 70 years or older to assess functional status and fall risk within 12 months

Geriatric Oncology: Educating Nurses to Improve Quality Care

Institution:	City & State:	
Names: 1)		
2)		
	Please Print Clearly	
	Goal 1	
	Cool 2	
	Goal 2	
	Goal 3	

Day 2 Tab

The Path to Implementing Change: Integrating Geriatrics into Oncology

Sarah Kagan, PhD, RN Lucy Walker Honorary Term Professor of Gerontological Nursing School of Nursing, University of Pennsylvania

Objectives:

- 1. Analyze barriers limiting integration of gerontological knowledge and skills in oncology nursing
- 2. Synthesize the role of gero-competence in integrating appropriate knowledge and skills to improve care for older people living with cancer

Things I Want to Remember:

The Path to Implementing Change – Some Useful Resources

Resource	Link
The John A. Hartford Foundation	http://www.jhartfound.org/
The Hartford Institute of Geriatric Nursing	http://www.hartfordign.org/
The Reynolds Foundation	http://www.dwreynolds.org/Programs/National/Aging/Aging.htm
Portal of Geriatrics Online Education	http://www.pogoe.org

The Path to Implementing Change: Integrating Geriatrics into Oncology

Sarah Kagan, PhD, RN Lucy Walker Honorary Term Professor of Gerontological Nursing School of Nursing, University of Pennsylvania

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Assessment and Management of Cognitive Impairment in Older Adults

Beatriz Korc-Grodzicki, MD, PhD Chief of Geriatrics Service Memorial Sloan Kettering Cancer Center

Objectives:

- 1. To provide an overview on dementia and delirium, its detection and care
- 2. To review the impact of pre-existing cognitive impairment in the care of older adults with cancer
- 3. To discuss decision-making capacity

Things I Want to Remember:

Mini-Cog™

Instructions for Administration & Scoring

	ID:	Date:
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Step 1: Three Word Registration

Look directly at person and say, "Please listen carefully. I am going to say three words that I want you to repeat back to me now and try to remember. The words are [select a list of words from the versions below]. Please say them for me now." If the person is unable to repeat the words after three attempts, move on to Step 2 (clock drawing).

The following and other word lists have been used in one or more clinical studies.¹⁻³ For repeated administrations, use of an alternative word list is recommended.

Version 1	Version 2	Version 3	Version 4	Version 5	Version 6
Banana	Leader	Village	River	Captain	Daughter
Sunrise	Season	Kitchen	Nation	Garden	Heaven
Chair	Table	Baby	Finger	Picture	Mountain

Step 2: Clock Drawing

Say: "Next, I want you to draw a clock for me. First, put in all of the numbers where they go." When that is completed, say: "Now, set the hands to 10 past 11."

Use preprinted circle (see next page) for this exercise. Repeat instructions as needed as this is not a memory test. Move to Step 3 if the clock is not complete within three minutes.

Step 3: Three Word Recall

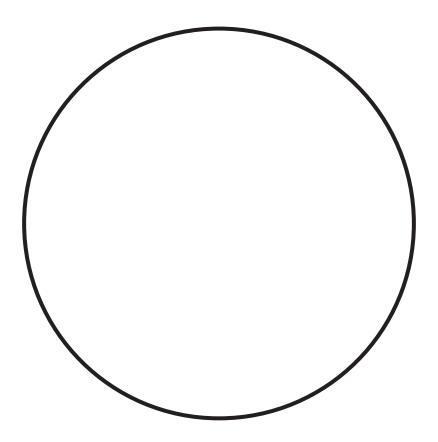
•	e three words you stated in Step 1. Say: "What were the three words I asked you to ord list version number and the person's answers below.
Word List Version:	Person's Answers:

Scoring

Word Recall:	(0-3 points)	1 point for each word spontaneously recalled without cueing.
Clock Draw:	(0 or 2 points)	Normal clock = 2 points. A normal clock has all numbers placed in the correct sequence and approximately correct position (e.g., 12, 3, 6 and 9 are in anchor positions) with no missing or duplicate numbers. Hands are pointing to the 11 and 2 (11:10). Hand length is not scored. Inability or refusal to draw a clock (abnormal) = 0 points.
Total Score:	(0-5 points)	Total score = Word Recall score + Clock Draw score. A cut point of <3 on the Mini-Cog™ has been validated for dementia screening, but many individuals with clinically meaningful cognitive impairment will score higher. When greater sensitivity is desired, a cut point of <4 is recommended as it may indicate a need for further evaluation of cognitive status.

Clock Drawing

D: _____ Date: ____



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Assessment and Management of Cognitive Impairment in Older Adults

Beatriz Korc-Grodzicki, MD, PhD Chief of Geriatrics Service Memorial Sloan Kettering Cancer Center

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Group Breakout: Interactive Case Study and Cognitive Assessments

Things I Want to Remember:

Identifying and Addressing Distress in the Older Adult

Matthew Loscalzo, LCSW Executive Director and Professor – Department of Supportive Care Professor Population Sciences Administrative Director – Sheri & Les Biller Patient and Family Resource Center City of Hope

Objectives:

- 1. Participants will know how to screen for biopsychosocial problems endemic to older adults with cancer
- 2. Participants will understand the link between noxious physical symptoms and negative psychosocial impact
- 3. Participants will be aware of the barriers and opportunities related to new distress screening standards

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	Things I Want to Remember:

Between the 'Lines

Journal of the National Comprehensive Cancer Network



Jimmie C. Holland, MD

Jimmie C. Holland, MD, recognized internationally as the founder of the subspecialty of psychooncology, is Attending Psychiatrist and holds the first endowed chair in Psychiatric Oncology, the Wayne E. Chapman Chair at Memorial Sloan Kettering Cancer Center. She is Professor of Psychiatry at Weill Medical College of Cornell University. She began the first fulltime Psychiatric Service in a cancer hospital in 1977 at Memorial Sloan Kettering Cancer Center, and in 1996 she became the first woman Chair of a clinical department at Memorial. Dr. Holland was PI of the first research training grant in psycho-oncology which has continued uninterrupted for 34

Dr. Holland established the first committee studying psychological and quality of life issues in a cooperative group, the Cancer Leukemia Group B. In the 1980s she became the Founding President of the International Psycho-oncology Society (1984) and of the American Psychosocial Oncology Society (1986). She has been senior editor of multiple textbooks, and in 1992, she started the first international journal in the field, Psycho-Oncology, and continues as co-editor. Dr. Holland has chaired the NCCN Panel on Management of Distress since its beginning in 1997. She was elected to the Institute of Medicine in 1995 and served on the panel that established a new standard of quality cancer care which demands that the psychosocial domain be integrated into routine cancer care. Dr. Holland has received numerous awards from the ACS, ASCO. AACR, and other national and international associations.

Was There a Patient in Your Clinic Today Who Was Distressed?

Jimmie C. Holland, MD; Mark Lazenby, PhD, APRN; and Matthew J. Loscalzo, LCSW

Most who work in an outpatient clinic or office would likely answer yes to the question asked in the title of this commentary. Data from as long ago as the 1970s confirm that, indeed, approximately one-third of patients with cancer experience significant distress, primarily anxiety or depression. A landmark study in 1976 noted the value of identifying distress early in patients, during the first 100 days after a cancer diagnosis, when patients are very vulnerable. In this study, researchers screened patients for distress and provided psychosocial counseling, which significantly reduced distress levels. Patients were then better able to cope with the subsequent hassles associated with their illness and treatment.

However, we clinicians can be slow learners. NCCN led the way in addressing this issue, 20 years ago, by suggesting that routine screening for distress in newly diagnosed patients would improve overall care. Then, in 1997, the first NCCN Clinical Practice Guidelines in Oncology (NCCN Guidelines) for the management of distress in patients with cancer were formulated by a multidisciplinary panel.^{2,3} The panel noted that oncologists were reluctant to ask patients about psychological and psychiatric problems—and patients were equally reluctant to answer—because of the stigma associated with psychological issues. The panel said, "Find a better word that, one is not stigmatized, to use with patients when asking about psychological problems."

The word "distress" was chosen and, using a principle successful in pain management, the panel recommended asking patients, "How is your distress level on a scale of 0 to 10?" Distress is normal among people with cancer, and patients have come to accept the term. This simple question has provided a way to "red flag" patients who are distressed beyond the expected. Someone on the cancer care team can then further query patients with distress as to the nature of the problem and, when necessary, formulate an appropriate psychosocial treatment plan, which may include a referral for mental health services, either in the hospital or in the community.

The Institute of Medicine (IOM) built on these first distress management guidelines, finding a strong evidence base for a wide range of psychosocial interventions (psychotherapeutic, behavioral, and psychopharmacologic). Based on the strength of the evidence, the IOM concluded that quality cancer care today must integrate the psychosocial domain into routine cancer treatment. After this decision by the IOM, the American College of Surgeons Commission on Cancer (CoC) added a standard for accreditation for 2015 that requires clinics to develop an onsite psychosocial program to identify patients with distress and triage them to appropriate psychosocial health care resources.

This standard has put pressure on clinics to comply. Implementation of a new procedure is always difficult, but implementation in the psychosocial realm is even harder because it requires the cooperation of all disciplines working in cancer care. The good news is that cooperative efforts are being formulated. For example, the Association of Community Cancer Centers and the American Psychosocial Oncology Society (APOS) are working to provide consultation to cancer centers. Also, there are 2 NCI-funded educational grants to train cancer center staff in all disciplines and from across the country in the "how to" of developing a program to identify and triage patients with distress. One program is in its third year and has trained 132 individuals to provide strategic support using Web-based, onsite, and telephone-based

methods (www.supportivecaretraining.com). The other is beginning its second year and will, by 2016, have trained 54 cancer centers around the country using in-person workshops and follow-up calls of support (www.apos-society.org/screening). These efforts are paying off, but implementation is slow and requires persistence and staff commitment.6

Although change is slow, it is clearly happening, and the oncologist, through attitude and participation, plays a major role in the success or failure of any effort to put distress screening and triage to psychosocial health care resources in place for the first time in a clinic or center.

Oncologists Can Help in Multiple Ways

Advocate with staff on the value of screening. As the senior medical professional in the clinic or office, the oncologist is key in providing leadership and enthusiastic support for the development of a screening program that must engage the administrator, nurse, social worker, mental health professional, and chaplain in the planning. This planning phase is critical because it involves changing attitudes and procedures about psychosocial care. The more cohesion that can be attained in this phase, the more likely the success.

Participate in the planning. Most centers are in the planning phase, which must be conducted methodically and by ensuring that all disciplines "buy in," since the program does not belong to one discipline. Adequate care must be taken to assure that each discipline has a role that is defined and clear. Assignment of the new procedures must take into account that there is fair distribution and that the outcome is worth the effort. It is wise to pilot procedures in a small area in order to smooth out the kinks and revise as needed. Leadership from the oncologist is important to ensure the full cooperation of all disciplines.

Create a culture in which innovation is exciting and acceptable. Research on implementation of new policies shows how difficult effecting change is when that change requires altering or adding a new procedure, and particularly when it adds to the workload of team members. This requires the understanding that the goal is worth the time and effort. In addition, many places are developing a program that has dual use as a clinical and research tool, which gives it even greater impetus for implementation.

Recognize that there are no gold standards. Each center has different patient populations and its own mix of disciplines. A new program is free to develop a model that works for its own center; however, using the experiences of other centers is helpful, as more centers are now experimenting with innovative approaches. Contacting the 2 educational programs described previously can be helpful.

Note that patient-centered care is now central to reimbursement, and reimbursement is beginning to depend more on value-driven aspects of care. Adding a routine practice to identify and triage patients with distress early in treatment addresses patient-centered care. It also saves time later when patients' distress levels lead them to make frantic calls and emergency department visits. The prevention of severe distress is an outcome that benefits the patient, saves time and stress for the oncologist and other care providers, improves patient satisfaction, and reduces the costs of visits.

Understand that the oncologist is the center of hope and trust for patients who are frightened and feel vulnerable and uncertain. The more patients sense that the clinician is caring for them as a whole person, the more secure they feel.⁷ In a CALGB study conducted in the 1980s patients were asked why they chose to take chemotherapy. Their reply was often simple: "I trusted the doctor" was a key reason.



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The ideas and viewpoints expressed in this editorial are those of the author and do not necessarily represent any policy. position, or program of NCCN.

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Mr. Loscalzo has more than 35 years' experience caring for cancer patients and families and is recognized internationally as a pioneer in the psychosocial aspects of cancer. Professor Loscalzo was the President of the American Psychosocial Oncology Society and the Association of Oncology Social Workers.

He is the PI on two 5 year NIH R25E training grants and a site PI for a new third R25E. He is also on the editorial boards or a reviewer for a number of professional journals and has over 100 publications. His clinical interests are gender medicine; strengths based approaches to psychotherapies, problembased distress screening, and the creation of supportive care programs.

Communication that bolsters this sense of caring develops during repeated clinic visits. Patients then begin to feel that the doctors and other care providers "care about me as a person." Early identification of distress helps assure patients that the care provided by their oncologist, as the leader of the oncology team, includes attention to the whole person.

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SupportScreen: A Model for Improving Patient Outcomes

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Key Words

Biopsychosocial, screening, technology, personalized medicine, clinical efficiency

Abstract

As demands on physician time mount, and patients and families increasingly expect accommodation and understanding of their specific, personal situations, care providers must boost efficiency and minimize the expense of their clinic processes and draw on connections with community resources. Third-party payors may also expect that the biopsychosocial needs of patients and families be addressed as an essential part of cancer care. Quality of care, cost, patient satisfaction, adherence to treatment, safety, and allocation of limited resources are all related to the identification and effective management of the psychosocial elements of cancer care. Experts suggest that health care has lagged far behind other industries in using technology to improve efficiency, and slow adoption of this technology means that critical information about the biopsychosocial needs of patients fails to reach the right professionals in a timely way. Systematic and automated screening can promote physician control in managing time, the efficiency of the clinical encounter, and rapid triage to other professionals and community resources. (JNCCN 2010;8:496-504)

Identifying Distress to Enhance Whole-Patient-Centered Care

As many as 47% of cancer patients have been shown to experience emotional distress at the level of a diag-

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nosable psychiatric disorder.^{1,2} However, patients have distress that is caused by more than psychiatric problems. Informational, educational, social, psychological, spiritual, financial, and practical problems, in the absence of mental illness, also can cause disabling distress. The psychosocial impact of physical symptoms, alone or in combination with issues such as depression, anxiety, and financial vulnerability, also influence the ability to cope and manage the many demands endemic to the cancer experience. Identifying and managing the biopsychosocial domains may seem to be a time-consuming and daunting task for physicians when they have increasingly less time to spend with patients. This is true in both large academic cancer centers and small community practices.

Several studies show the financial-offsetting advantages of addressing biopsychosocial issues, despite the effort and cost of establishing an automated screening/triage system.^{3–5} These include cost benefits to hospitals providing psychosocial care,³ and the potential for psychological distress screening to predict and intervene in patient treatment noncompliance, appointment-breaking,⁴ and clinical trial discontinuation.⁵

The early identification of biopsychosocial problems is essential to relieve distress, prevent crises, and minimize system disruption. Potential barriers preventing identification of these problems include stigma, lack of a common language, health care professional avoidance of emotional content, lack of professional training to acquire this information, and the belief that these problems are less important than physical care. In addition to the barriers endemic to identification and communication of biopsychosocial vulnerabilities, system-based barriers also exist, such as the lack of a standardized comprehensive approach to the identification of biopsychosocial problems. Supported by the literature, ⁶⁻⁸ the NCCN⁹ and the Institute of Medicine (IOM) 2007

Report (Cancer Care for the Whole Patient: Meeting Psychosocial Health Needs)¹⁰ recommend psychosocial distress screening for all patients to address problems before a crisis develops and necessitates higher levels of intervention. An increasing number of screening instruments are now in use, such as the Distress Thermometer⁹ and the Edmonton Symptom Assessment Scale.¹¹

However, patients may still express considerable hesitation to discuss distress based on social stigma and fear associated with cancer. Although the stigma related to the vulnerabilities of cancer is decreasing, the emotional, psychosocial, psychiatric, and financial problems endemic to cancer have been much more resistant to change. Physicians and nurses, however, can play a major role in encouraging patients to voice illness-related concerns. Instituting biopsychosocial screening for all patients early in the clinical encounter can communicate an openness and sense of hope that patients and families can manage any barriers related to their medical care. In the authors' experience, patients do not expect physicians and nurses to fix all illness-related problems, but do expect them to be knowledgeable about mental health and other essential resources in the community. An efficient and reliable way to identify the essential needs and barriers for patients is through biopsychosocial screening. 9,10 The authors have taken this process a step further by automating biopsychosocial screening through the use of touch-screen technology. 12

SupportScreen

Improved Patient Outcomes "At Your Fingertips"

The authors' team developed a new touch screen automated program called *SupportScreen* (www. supportscreen.com), based on more than 15 years of screening experience in academic cancer centers and a small community hospital. *SupportScreen* is an inexpensive, patient-friendly automated process that identifies, triages, and provides educational information in real time. This program covers the entire process of biopsychosocial screening, from initiation of patient responses to the generation of referrals and provision of educational information. The program is designed to facilitate patient, physician, and specialist communication and to maximize the effectiveness of clinical encounters and overall

cancer care. SupportScreen was also designed to run on simple network systems and to be adapted to a variety of settings, including small clinical practices.

From Paper to Automation: Increased Efficiency and Communication

Historically, biopsychosocial screening was performed with paper and pencil, but paper screening tools can be time-consuming for staff to review, analyze, and use to make referrals, limiting their use. In addition, information on paper was not consistently delivered to the physician in time for discussion during the clinical encounter. The authors and others^{3,11} have shown that automation can decrease resource intensity while creating systems that provide enhanced timely communication, tailored interventions, clinical summaries, and real-time triage. In the longer term, automation can also create a database that is immediately updated and available. This article discusses the SupportScreen tool and the specific benefits it, and other programs like it, can bring to patients and their families, physicians, and clinical settings, as well as how City of Hope integrated it into their systems.

Benefits to Patients and Families, Physicians, and Clinical Settings

Physician time is increasingly consumed with seeing more patients because of decreased reimbursement and with administrative demands, such as authorizations and use review. As a result, physicians spend less time with each individual patient. Research has shown, however, that the quality of the clinical encounter, not just the time spent with the patient, is associated with better health outcomes and higher patient satisfaction. Automated screening programs such as SupportScreen have the potential to optimize the time physicians spend with patients.

Patients experience clinical encounters as stressful and emotionally charged. Within this context, patient—physician communication is primarily focused on disease-directed information at the expense of critical biopsychosocial domains. Programs like SupportScreen can alert both patients and physicians to barriers to medical care. It can provide a common language, a normalization of problems, and a decrease in concerns about stigma. For the health care team (physicians, nurses, support staff) the information is neatly organized and documented electronically, and provides cues for referrals to other services in real time.

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Table 1 Potential Benefits of SupportScreen For Patients and Families For Physicians and Staff For Clinical Settings/Institutions • Provides a user-friendly electronic • Increases control over the clinical encounter • Raises the standard of clinical care interface • Maximizes efficiency of the time spent • Increases patient satisfaction • De-stigmatizes requests for help taking a history and physical • Minimizes disruption of clinic • Teaches patients about common Reduces time needed to anticipate and processes and systems problems manage barriers to medical care Increases patient safety • Gives patients a voice and • Avoids distraction on areas outside of • Decreases clinic no-shows common language to partner medical expertise Automates identification and triage with their health care providers • Assures communication among to other institutional services • Identifies barriers to medical care multispecialists Increases revenue through • Gives sense of control, direction, • Enhances medical charting through automated links to ICD-9 codes and plan of action automated links to ICD-9 codes Maximizes internal resources • Screens all patients quickly and efficiently as • Tailors education materials printed out in real time standard of clinical care Creates linkages to external community resources • Enhances communication and • Enhances communication and trust with • Reduces administrative costs trust with health care team • Increases staff efficiency • Prioritizes immediate needs • Identifies high-risk patients for disruption of clinic processes • Increases staff satisfaction and • Accelerates timely referrals to • Identifies high-risk patients for lack of retention supportive services compliance • Serves as model for other Tailors support services institutions Automates, summarizes, and prioritizes • Raises the expectations of problems • Enhances competitiveness in the psychosocial services being market place provided • Streamlines triage and referral to appropriate resources • Improves continuity of care Creates funding opportunities · Reduces data entry and verification burden Provides invaluable data for grants, publications, and program development • Exports easily to commonly used software applications

• Creates more efficient data interpretation

The benefits patients and families, physicians, nurses, and other health care professionals may derive from *SupportScreen* are shown in Table 1. Although this program focuses on patients with cancer, the implications for other chronic illnesses are transparent. People dealing with serious illness must be able to effectively communicate with their health care team to adapt to the reality of illness, make difficult decisions, identify barriers to care, and actively participate in rehabilitation and palliation. Programs like *SupportScreen* can become the foundation for an evolving partnership through systematic electronic communication among patients, their primary health care team, and the specialists involved in their medical care.

Automating Processes in the Clinic

SupportScreen is an automated touch-screen system (See Figure 1) that identifies, summarizes, and triages patient biopsychosocial problems in real time. It can facilitate patient, physician, and specialist com-

munication through an electronic interface built to be user-friendly and compatible with most standard patient software systems. *SupportScreen* also provides customized reports for clinical, educational, and research purposes. Figure 2 outlines the screening process in the clinic, and Table 2 details the specific features as they relate to professional users.

Patient-Friendly Content

The content of *SupportScreen* is based on screening data (both paper-based^{14–16} and electronic¹¹) from more than 10,000 cancer patients. The present 53-question screening instrument uses simple language to address the most common physical, practical, social, psychological, nutritional, physical rehabilitation, and spiritual problems encountered by patients with cancer.¹⁷ Depending on the focus and resources of the clinic setting, items can be modified, added, or deleted. The language is patient-friendly and has been tested in various clinical settings to en-

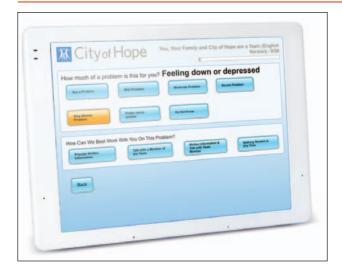


Figure 1 SupportScreen Tablet.

sure that the content is easily understood and relates directly to the question being asked. According to the Flesch-Kincaid readability test, the content of *SupportScreen* items scores at a fourth-grade reading level. Patients are given the opportunity to rate how much of a problem each of the 53 items is on a 5-point scale from *Not a Problem* to *Very Severe Problem* (Table 3). In addition, patients are asked if they are requesting to *Talk with a Member of the Team*, to have the team *Provide Written Information*, or *Nothing Needed at this Time*. *SupportScreen* is presently available in English and Spanish and takes approximately 15 to 20 minutes to complete.

To minimize patient and staff burden, demographic variables are prepopulated in the screening database from the medical record system to avoid a need to repeat basic patient information. To help the patient understand the context and value of the screening process, a standard introductory letter from the patient's physician appears on the first screen of SupportScreen. The letter includes a picture of the physician or team, and explains how the screening process can enable the patient to partner with the health care team and that the information can be helpful in planning care. Finally, the introductory letter guides the patient to start SupportScreen by pushing the Touch Here To Begin button.

Items are framed to reflect how most people relate to common problems and challenges of daily life in order to provide a sense of comfort and hope based on patients' ability to solve problems in the past. In this context, SupportScreen identifies specific problems and, importantly, helps determine patients' perception of their ability to manage problems. The number and types of problems and the perceived ability to manage these problems are related to levels of overall distress. Being able to label specific problems in common language in itself can help reduce distress. Patients with a history of poor problem-solving or who believe that they are poor problem-solvers will require additional psychosocial support. ^{19,20}

The City of Hope Model: Identifying and Summarizing Barriers to Medical Care

At City of Hope, a process was implemented that can serve as a model for other settings. Consecutive patients seen in the outpatient clinics complete *SupportScreen* as the standard of care before meeting with the physician. As a result of patients' answers, the system generates 5 potential outputs in real time: 1) a summary report for the physician (printed and/ or electronic); 2) tailored, written educational information for patients; 3) personalized resources for patients; 4) criteria-driven referrals to professionals and community-based resources; and 5) individual patient responses recorded into a database for analysis.

The summary report, tailored educational information (e.g., talking with your doctor, fertility), and personalized resources requested (e.g., transportation, finances) are automatically printed immediately after completion of the questions. An e-mail of the summary report is simultaneously sent to the patient's primary care physician and other health care team professionals as indicated. The report is designed for easy identification of problems requiring timely intervention. SupportScreen is modifiable to identify problems or symptoms requiring immediate attention; for example, Thoughts of ending my own life and Pain can be programmed as "hot buttons." This enables the physician to focus on the concerns that are most salient during clinical encounter.

The summary report information is filed in the medical chart and individual patient responses are recorded electronically into a database for analysis. The raw data are available on a secure password-protected server and can only be accessed through a Web-based administrative screen. The system can also generate a cumulative report, which includes basic frequencies of 5 categories: 1) patient demographics; 2) problems that are distressing (rated \geq 3); 3) patients who want to *Talk with a Member of Team*; 4) patients who request *Provide Written Information*;

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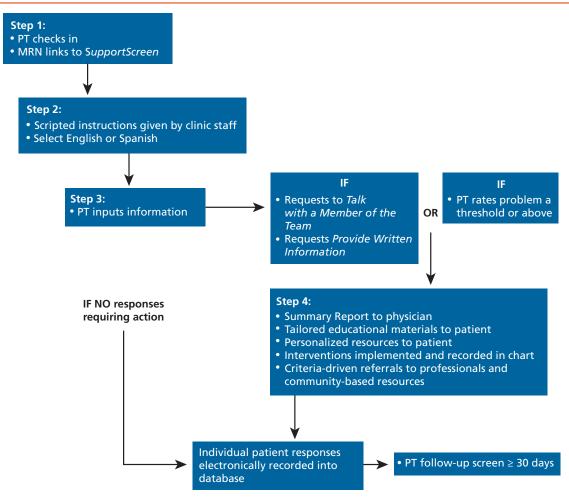


Figure 2 SupportScreen in action. Abbreviations: MRN, medical record number; PT, patient.

and 5) patients who both want to *Talk with a Member* of *Team* and request *Provide Written Information*.

Using Technology to Enhance Personalized Medical Care

SupportScreen automates the triage and referral process using criteria determined by the physician and health care team. The primary physician is still able to manage all referrals to consultants whenever necessary. Triage and referral criteria are based on the specific needs of patients, current resources available, and staffing levels. In SupportScreen, each item is precoded and electronically transmitted to a specific professional or resource in real time. In addition, a copy of the notification is sent to the patient's physician, nurse, and social worker to ensure effective ongoing communication.

SupportScreen is designed to be flexible and easily changed to direct the electronic triage and referral information. At City of Hope, the NCCN Clinical Prac-

tice Guidelines in Oncology: Distress Management⁹ (in this issue; to view the most recent version of these guidelines, visit the NCCN Web site at www.NCCN. org) are one source of information used to develop the triage, referral, and intervention processes.

Each item on SupportScreen is linked to one or more specific professionals. For example, a pain distress level of 4 or greater is immediately sent to the identified physician, nurse, and social worker. Problems related to physical symptoms such as nausea or recent weight change are referred to a physician and/or nurse. Problems related to emotional, social, and practical concerns, such as Feeling down or depressed or Feeling hopeless, are triaged to a social worker for assessment and potential referral to psychology or psychiatry.

Each designated health professional is copied on all e-mails regarding the patient. This electronic transfer of information helps ensure timely commu-

Table 2 SupportScreen: Features and Professional Users at City of Hope

Features of SupportScreen

Automated Features

Summary Report for physician, printed and electronic

Tailored educational written information, printed

Personalized resources, printed

Interventions implemented and recorded in chart

Criteria-driven referrals to professionals and community-based resources

Individual patient responses electronically recorded into a database for analysis

Customized reports (i.e., diagnosis, stage, demographics)

Re-screen alert (≥ 30 days)

Ongoing improvement feedback mechanism for all

Security Features

Controlled levels of access

Firewall protected

Medical record number encrypted

Patient security: requires medical record number, patient name, and date of birth

Database Features

Clinical research

Data easily exportable

Prepopulated demographic and clinical information

Professional Users

Primary Health Care Team

Physicians

Nurses

Social workers

Consultants

Clinical nutritionists

Cosmetologists

Health educators

Patient navigators

Pain and palliative care team

Psychologists

Psychiatrists

Physical therapists

Pharmacists

Researchers

Spiritual counselors

nication and clear delineation of responsibility for follow-up. This is especially important given the difficulty in maintaining ongoing and consistent communication with the number of specialists potentially involved in the patients' care. However, the authors' experience in screening patients with cancer suggests that most requests for assistance relate to educational materials that can be now provided automatically by SupportScreen.

Most triage and referrals do not require immediate attention; these can almost always be addressed within a reasonable time. Additionally, most actions required by *SupportScreen* are addressed by the psychosocial team and nursing. At City of Hope, only 15% of the items are triaged to the physician for attention.

A Model for Transprofessional Practice in Patient-Centered Care

Any biopsychosocial screening process must be tailored to the individual needs of the clinical setting. City of Hope has made elevating whole-patient—centered care part of its strategic plan. The construction of the Sheri & Les Biller Patient and Family Resource Center (Biller Resource Center) and the creation of the Department of Supportive Care Medicine are manifestations of this commitment. Creating the "best program of supportive care services in the world" is the vision statement for the department.

The Biller Resource Center was started with seed money from philanthropists Sheri and Les Biller. This contribution was based on a long-term commitment by City of Hope to create a comprehensive integrated program of psychosocial and palliative care services. The goal was to unite and integrate compassionate professionals who had expertise in helping patients, families, faculty, and staff to manage the challenges of serious illness and find personal meaning in the experience.

To better focus on the needs of patients, all supportive care services were brought under one departmental infrastructure. Highly interactive relationships with other departments were also built, regardless of administrative governance. All programs and professional interactions are based on the direct and indirect benefits of the clinical, research, and educational programs on patients and families. To ensure improvement and maintain a focus on the mission, systematic program evaluation is at the core of all departmental initiatives.

City of Hope subsequently created the Department of Supportive Care Medicine and recruited a chair to advance the academic foundation for

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Table 3 SupportScreen 53-Questions Screening Instrument*

Problems

- Ability to have children
- Becoming too ill to communicate my choices about medical care
- Being unable to take care of myself
- Bowel movement/constipation
- Controlling my urine or stool
- Eating, chewing, or swallowing difficulties
- Fatigue (feeling tired)
- Fear of medical procedures
- Feeling anxious or fearful
- Feeling down or depressed
- Feeling hopeless
- · Feeling irritable or angry
- Feeling isolated, alone, or abandoned
- Finances
- Finding community resources near where I live
- Finding meaning or purpose in my life
- Finding reliable information about complementary or alternative practices
- Getting medicines
- Health insurance
- How my family will cope
- Joint limitations
- Losing control of things that matter to me
- Managing my emotions
- Managing work, school, or home life
- My ability to cope
- Nausea and vomiting
- Needing help coordinating my medical care

- Needing practical help at home
- Pain
- Physical appearance
- Providing care for someone else
- Questions and fear about end of life
- Recent weight change
- Seriously considering taking my own life
- Sexual function
- Side effects of treatments
- Sleeping
- Solving problems because of my illness
- Speech
- Spiritual or religious concerns
- Substance use: you or your environment
- Swelling
- Talking with doctor
- Talking with family, children, and friends
- Talking with the health care team
- Talking with the health care team about use of food/herbal supplements while on treatment
- Thinking clearly
- Tobacco use
- Transportation
- Understanding my treatment options
- Understanding the importance of physical activity even during treatment
- Walking climbing stairs
- Worry about the future

the program. The authors believe this patient-centered—rather than profession-centric—paradigm of transprofessional care more accurately reflects the way patients and families experience the need for services.

Patient-centered care is also built into the *Sup-portScreen* system at many levels. Although the program can identify problems and link patients to the support and education they need on an individual level, programs are also available to systematically evalutate the patient and family experience at a macro level across the entire health care system. For example, a Patient Advisory Council meets monthly to bring in the patient and family experience to bet-

ter-inform programs and processes within the wider hospital system. The Patient Advisory Council is a consistent voice for the patient and family perspective—part focus group and part committed consultants—and has been found to be honest, frank, and helpful. Having patient and family involvement from the beginning, and at this level of detail, has been invaluable to the success of this program.

The Biller Resource Center is also designed to serve as the focal point of whole-patient care. It is strategically located at the center of the hospital's main lobby. Disease and treatment information, education, counseling, advocacy, mental health, palliative care, and spiritual services are all available in

^{*}Items can be added, modified, and/or deleted, and tailored to the individual setting.

one place. Navigators, health educators, psychiatrists, psychologists, social workers, palliative care physicians, nurses, spiritual care counselors, cosmetologists, program evaluators, researchers, and volunteers all use the Biller Resource Center as a nexus. It is also a place to learn about and provide consent for clinical trials. In addition, nurses are available to help patients and family members search the Internet to retrieve and interpret scholarly articles. As an added benefit, patients, families, and community members have formed spontaneous, natural support groups while waiting to meet with professionals or search the Internet. The SupportScreen program serves as the connective tissue for these supportive care services.

Conclusions

Whole-person patient-centered care creates a supportive environment where patients and their families, caregivers, and health care professionals can work together as partners. Because of the everincreasing demands on physician time and heightened expectations of patients and families, health care professionals must use technology to maximize the limited time of the clinical encounter.

Systematic screening automates processes that enhance physician control, efficiency of the clinical encounter, quality of care, patient satisfaction, adherence to treatment, and safety, and makes an essential connection to supportive care services. Automating screening also decreases disruptions to the clinic setting, misuse of physician and staff time, unnecessary suffering of patients and families, and staff-related distress resulting from the unmet supportive care needs of patients and families.

Based on a history of screening experience in multiple settings, the authors developed *SupportScreen* to be a model of biopsychosocial screening for whole-patient—centered care, from initiation of patient responses to the generation of referrals and provision of educational information. *SupportScreen* facilitates patient, physician, and specialist communication and is designed to maximize the effectiveness of clinical encounters and overall cancer care. The program is easily adaptable to a wide variety of clinical settings and has implications for the development of tailored educational programs and for research. The cost of the program depends on the

number of licensed sites and users and the extent of the training, support, and other services, but generally ranges from \$15,000 to \$40,000 per year.

Therapeutic relationships between patients and their health care providers is being redefined by technology and proposed major changes in the health care system. The speed of technological advances is only expected to increase, but ultimately caring for and healing patients will always be about trusting and respectful relationships. Screening for problems such as distress creates an environment in which communication and unified action leads to a sense of direction and connection that promotes wholepatient—centered care and improved outcomes.

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Identifying and Addressing Distress in the Older Adult

Matthew Loscalzo, LCSW Executive Director and Professor – Department of Supportive Care Professor Population Sciences Administrative Director – Sheri & Les Biller Patient and Family Resource Center City of Hope

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Sleep Management in the Older Adult

Peggy Burhenn, MS, CNS, AOCNS Professional Practice Leader City of Hope

Object	ctives:
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- 1. Describe evidence-based data related to insomnia and cancer
- 2. Assess a patient for sleep related problems
- 3. Learn non-pharmacologic strategies that may improve sleep quality in our patients

Things I Want to Remember:			

Sleep Management in the Older Adult

Peggy Burhenn, MS, CNS, AOCNS Professional Practice Leader City of Hope

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Pain Management and End of Life Care in the Older Adult

Bonnie Freeman, RN, DNP, ANP, ACHPN Supportive Care Medicine Nurse Practitioner City of Hope

Objectives:

- 1. Increase understanding of the specific pain management needs of the aging
- 2. Identify common cultural and social barriers to effective pain management in the older adult
- 3. Emphasize the importance of a focus on the safety when prescribing pain medication for the older adult
- 4. Identify most common management needs of the dying older adult

-	Things I Want to Remember:

Pain Management and End of Life Care in the Older Adult

Bonnie Freeman, RN, DNP, ANP, ACHPN Supportive Care Medicine Nurse Practitioner City of Hope

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Goal Workshop Breakout:

Polypharmacy and Medication Adherence in the Older Adult

Timothy Synold, Pharm D.
Professor, Department of Cancer Biology
Director, Clinical Immunobiology Correlative Studies Laboratory
Co-Director, Analytical Pharmacology Core
City of Hope

Objectives:

- 1. Differentiate among the multiple definitions of polypharmacy
- 2. Discuss data regarding prevalence, risks, and impact of polypharmacy
- 3. Discuss the relationship between polypharmacy and adherence
- 4. Define inappropriate medications for elderly patients
- 5. Describe tools used to screen for polypharmacy and improve adherence

Polypharmacy and Medication Adherence in the Older Adult

Timothy Synold, Pharm D. Professor, Department of Cancer Biology Director, Clinical Immunobiology Correlative Studies Laboratory Co-Director, Analytical Pharmacology Core City of Hope

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Predicting Chemotherapy Toxicity in Older Adults

Arti Hurria, MD Professor and Director of the Cancer and Aging Research Program City of Hope

Objectives:

- 1. Describe the benefits of utilizing a geriatric assessment in oncology care
- 2. Review chemotherapy toxicity prediction tools:
 - a. Cancer and Aging Research Group Chemotherapy Toxicity Tool
 - b. Chemotherapy Risk Assessment Scale for High-Age Patients Tool
- 3. Describe the utility of a geriatric assessment to guide practical interventions

CHEMOTHERAPY TOXICITY PREDICTION TOOL

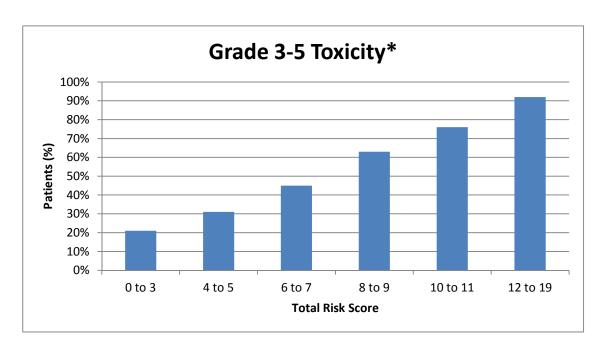
Available at: http://www.mycarg.org/Chemo_Toxicity_Calculator

Toxicity Factor/Question	Score	Value/Response
1. Age of Patient	2	72 years of age or older
	0	Younger than 72
2. Cancer Type	2	Gastrointestinal
	2	Genitourinary
	0	Other cancer types
3. Dosage	2	Standard Dose
(Dose delivered with first dose for chemotherapy)	0	Dose reduced upfront
4. Number of chemotherapy agents	2	Polychemotherapy
	0	Monochemotherapy
5. Hemoglobin	3	Male: < 11
· ·	0	≥ 11
	3	Female: < 10
	0	≥ 10
6. How is your hearing (with a hearing aid, if needed)?	0	Excellent
	0	Good
	2	Fair
	2	Poor
	2	Totally deaf
7. Number of falls in the past 6 months	3	1 or more
•	0	None
8. Can you take your own medicines?	0	Without help (in the right doses at the right time) With some help (able to take
	1	medicine if someone prepares it for you and/or reminds you to take it)
	1	Completely unable to take you medicine
9. Does your health limit you in walking one block?	2	Limited a lot
	2	Limited a little
	0	Not limited at all
10. During the past 4 weeks, how much of	1	All of the time
the time has your physical health or	1	Most of the time
emotional problems interfered with your social activities (like visiting with friends, relatives, etc.)?	1	Some of the time
	0	A little of the time
	0	None of the time
11. Creatinine Clearance		
(Jeliffe formula with ideal weight)	3	Less than 34
	0	34 or greater

Total Score:

CHEMOTHERAPY TOXICITY PREDICTION TOOL

SCORING GUIDE



Scores between 0 and 5 are considered low risk, scores between 6 and 9 are considered medium risk, and scores between 10 and 19 are considered high risk. The above graph describes the percentage of patients experiencing grade 3-5 toxicity in each risk category. The below table summarizes the number of patients within each score in the Hurria et al study out of a total sample size of 500 patients.

Total Risk Score		%Risk	N	
Low	0 to 3	25%	28	
Low	4 to 5	32%	100	
Mid	6 to 7	50%	136	
	8 to 9	54%	91	
High	10 to 11	77%	62	
	12 to 19	89%	47	

^{*}using the NCI Common Terminology Criteria for Adverse Events version 3.

Predicting Chemotherapy Toxicity in Older Adults

Arti Hurria, MD Professor and Director of the Cancer and Aging Research Program City of Hope

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Group Breakout: Case Study – Polypharmacy and Predicting Chemotherapy Toxicity

Case Study: Polypharmacy and Predicting Chemotherapy Toxicity

MH is a 79 year old woman with a recent diagnosis of stage IV bladder cancer. She met with her oncologist who recommended treatment with gemcitabine and carboplatin (dose reduced due to poor renal clearance).

On your review of her records, you note that her physician rated her Karnofsky Performance Status at 60%. She has a history of atrial fibrillation, hypertension, stroke, and depression. She takes 9 prescribed medications and 2 over-the-counter medications. Her medications include: ondansetron 8mg po twice daily prn nausea, oxycodone-acetaminophen 5mg-325mg po q 6 hours prn pain, metoprolol 50mg po daily, rivaroxaban 20 mg po daily, furosemide 40 mg po daily, simvastatin 20mg po daily, aspirin 81 mg po daily, lorazepam 1mg po prn anxiety, zolpidem 5 mg po prn sleep, CoEnyzme Q-10 50 mg po daily, and a daily multivitamin.

You perform a geriatric assessment. She notes that she can take her own medications and handles her own finances without help, but she needs help getting to places outside of walking distance and with housework. She is limited a lot in walking one block. She could not do the Timed Up and Go as she is in a wheelchair due to leg weakness from a previous stroke. She has not fallen in the last 6 months. She states she has limited her social activities all of the time due to her physical or emotional problems. She reports her hearing as poor. She has had an unintentional weight loss of 40 pounds (15% of her body weight) in the last year.

You review her laboratory data: WBC 6.5, hemoglobin 12.5, BUN 29, serum creatinine 1.7, and albumin 3.9. You calculate her creatinine clearance to be 27 mL/min (height: 172cm, weight: 84.6kg).

Work in your teams and answer the following questions:

What are the goals of therapy?

What else do you want to know?

What is her chemotherapy toxicity score according to the CARG Chemotherapy Prediction Tool?

What recommended changes would you make to her medication list and why?

What interventions would you consider?

Empowering Nurses to Advocate for the Older Adult

Sarah Kagan, PhD, RN Lucy Walker Honorary Term Professor of Gerontological Nursing School of Nursing, University of Pennsylvania

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2. Develop strategies for creating age-friendly, gero-competent care for older people living with cancer

Things I	Want to Remember:

Empowering Nurses to Advocate for the Older Adult

Sarah Kagan, PhD, RN Lucy Walker Honorary Term Professor of Gerontological Nursing School of Nursing, University of Pennsylvania

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Working with Leadership to Impact Positive Change

Shirley Johnson, MS, MBA, RN Senior Vice President Nursing Services, Chief Nursing Officer Roswell Park Cancer Institute

Objectives:

- 1. Identify a minimum of three examples of strengths, weakness, opportunities, and threats within their own gerontology oncology program
- 2. Complete their own one minute description regarding the impact a gerontology oncology nursing focus would have on their hospital
- 3. Define two immediate steps they might take to engage leadership support in improving care of the older adult with cancer within their program

Working with Leadership to Impact Positive Change

Shirley Johnson, MS, MBA, RN Senior Vice President Nursing Services, Chief Nursing Officer Roswell Park Cancer Institute

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Group Breakout: Goal Development Discussion

Day 3 Tab

Responsible Conduct of Research

Arti Hurria, MD Professor and Director of the Cancer and Aging Research Program City of Hope

The Interdisciplinary Team: Implementing an Evidence-Based Model in Cancer Care

Betty Ferrell, PhD, MA, FAAN, FPCN, CHPN Professor and Director, Division of Nursing Research & Education City of Hope

Objectives:

- 1. Describe the importance of interdisciplinary teams in Geriatric Oncology
- 2. Identify Strategies for most effective use of interdisciplinary teams in clinical practice and research
- 3. Describe a research program using interdisciplinary approaches in oncology

Things I Want to Remember:

The Interdisciplinary Team: Implementing an Evidence-Based Model in Cancer Care

Betty Ferrell, PhD, MA, FAAN, FPCN, CHPN Professor and Director, Division of Nursing Research & Education City of Hope

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Supporting the Caregiver of the Older Adult with Cancer: Lessons Learned

Denice Economou, RN, MN, CNS, CHPN Senior Research Specialist City of Hope

Objectives:

- 1. Define who family caregivers are and estimate the impact for the future
- 2. Identify family caregiver responsibilities and information needed to minimize their burdens
- 3. Describe interventions that can impact outcomes

Things I Want to Remember:

Caregiver Resources for Managing Geriatric Cancer Patients

Resource	Link
American Cancer Society	http://www.cancer.org/treatment/caregivers/index
American Geriatrics Society	www.americangeriatrics.org
American Gerontological Society Online Caregiver Guide	https://www.geron.org/search- results?searchword=caregivers&searchphrase=all
American Society of Clinical Oncology	http://www.cancer.net/coping-with-cancer/caring-loved- one
CancerCare	www.cancercare.org
Cancer Legal Resource Center	www.cancerlegalresourcecenter.org
Cancer Support Community	www.cancersupportcommunity.org
Caregiver Action Network	www.caregiveraction.org
Caregiver Resource Directory	<u>www.caregiverresourcecenter.com</u>
Center for Caregiver	www.centerforfamilycaregivers.org
Health in Aging	www.healthinaging.org
Medicare: Caregiving	www.medicare.gov/campaigns/caregiver/caregiver.html
National Alliance for Caregiving	www.caregiving.org
National Cancer Institute	www.cancer.gov
National Council on Aging	https://www.ncoa.org/public-policy-action/long-term- services-and-supports/caregivers/
National Family Caregiver Assn	www.thefamilycaregiver.org
Office on Aging	www.knoxseniors.org/caregiver.html
Rosalynn Carter Institute for Caregiving	http://www.rci.gsw.edu/
US Administration on Aging, National Family Caregiver Support Program	http://www.aoa.gov/

Supporting the Caregiver of the Older Adult with Cancer: Lessons Learned

Denice Economou, RN, MN, CNS, CHPN Senior Research Specialist City of Hope

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ADDITIONAL REFERENCES:

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2016 ICD-10-CM Diagnosis Code z63.8 🖹 🥌

- Z63.8 is a specific ICD-10-CM code that can be used to specify a diagnosis.
- Reimbursement claims with a date of service on or after October 1, 2015 require the use of ICD-10-CM codes.
- This is the American ICD-10-CM version of Z63.8. Other international ICD-10 versions may differ.

Applicable To

- Family discord NOS
- Family estrangement NOS
- High expressed emotional level within family
- Inadequate family support NOS
- Inadequate or distorted communication within family

Approximate Synonyms

- Caregiver role strain
- Caregiver stress
- Family conflict
- Family disruption
- Family disruption issues in remission
- Family maladjustment
- Family stress
- Family tension
- Stress due to family tension

Tapping into Community Resources Tailored to the Older Adult

Peggy Burhenn, MS, CNS, AOCNS Professional Practice Leader City of Hope

Obje	ectives:
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1.	Review communit	resources	available to	support	older adults
	THE TIE TO COMMITTEE	,	a tanabic to	Jubbo. c	oraci addito

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2.	Identify	local	resources in your	geographic area

Things	Want to	Remember:
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Taping into Community Resources Tailored to the Older Adult

Resources

Domai	ns for w	hich you may need resources in your home area:	
	Rehab	services	
	Nutriti	on services	
	Menta	l health	
	Suppor	rtive care services	
	Geriatr	ricians	
	Legal r	esources	
	Pharm	acy support	
	Home	health	
Create	a resou	rce list that includes resources in your geographic area that covers the following:	
	Senior Centers		
	Geriatricians		
		www.theabfm.org	
		Healthinaging.org	
	Nutritio	onists	
	Mental Health		
	Home health agencies		
	Rehab (PT/OT/Speech/etc.)		
		National Institute on Aging	
		www.nia.nih.gov	
	Pharma		
_		www.MSKCC.org	
			
		Beers List of potential inappropriate medications (PIMs)	

Tapping into Community Resources Tailored to the Older Adult

Peggy Burhenn, MS, CNS, AOCNS Professional Practice Leader City of Hope

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Accessing Web-Based Resources in Gerontology

Christopher Okamoto, BSN, RN Nurse Research and Education Specialist City of Hope

Obj	ectives:
U ~]	

1.	Identify	v web-based	resources tha	t can support	goals of the	geriatric ond	cology program
		,			0	0	

2. Understand how to access the resources to achieve your goals

	0

Geriatric Care Web Resources

American Cancer Society (ACS)

www.cancer.org

Eat Healthy and Get Active recommendations on their website

American Geriatric Society

www.americangeriatrics.org

- Guiding Principles for the Care of Older Adults with Multimorbidity
- Beers list of potentially inappropriate medications in older adults

American Institute for Cancer Research (AICR)

www.aicr.org

- Guidelines for Cancer Survivors
- Healthy Lifestyle Guidelines

Area Agency on Aging

- Elder Locator Resource Center www.eldercare.gov
- Finding help in your community for a variety of services for older adults

Cancer and Aging Resource Group

www.mycarg.org

• Geriatric Assessment on line

Mini Nutritional Assessment

www.mna-elderly.com

National Cancer Institute

www.cancer.gov/cancertopics/pdq/supportivecare/nutrition/HealthProfessional/page4

NCI Nutrition in Cancer Care (PDQ)

National Comprehensive Cancer Network (NCCN) Older Adult Oncology Guidelines

www.nccn.org

- Life Expectancy chart
- Cognition guidelines
- Geriatric Assessment

National Institute on Aging

https://go4life.nia.nih.gov/

Exercise and Physical Activity free resources

Society of International Geriatric Oncology

www.siog.org

• Geriatric Assessments including G8

Accessing Web-Based Resources in Gerontology

Christopher Okamoto, BSN, RN Nurse Research and Education Specialist City of Hope

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Geriatric Oncology: Educating Nurses to Improve Quality Care

Institution:	City & State:			
Names: 1)	<u> </u>			
2)	<u> </u>			
3)	<u> </u>			
Please Print Clearly				
Goal 1				
Goal	2			
Goal	3			

Geriatric Oncology: Educating Nurses to Improve Quality Care

Post Course Goal Update

Institution:	City & State:
Names: 1)	Evaluation: 6, 12, or 18 months
2)	
3)	
*In Process = project started	

- **Stalled = project started but no action in previous 6 months
- ***Stopped/Canceled = project previously started, now stopped/cancelled

Please indicate accomplishments and/or revisions for each goal				
Goal 1				
Original		Complete		
		*In Process □		
Revised		**Stalled □		
		***Stopped/Canceled		
		Never Started□		
	Barriers:			
Original		Complete \square		
		*In Process □		
Revised		**Stalled □		
		***Stopped/Canceled		
		Never Started□		
	Barriers:			
Original	Santers:	Complete		
		*In Process		
Revised		**Stalled		
		***Stopped/Canceled		
		Never Started□		
010	Barriers:			
Goal 2				
Original		Complete \square		
		*In Process □		
Revised		**Stalled □		
		***Stopped/Canceled		
		Never Started□		
	Barriers:			
Original		Complete		
		*In Process □		
Revised		**Stalled 🗆		
		***Stopped/Canceled		
		Never Started□		
	Barriers:			

Geriatric Oncology: Educating Nurses to Improve Quality Care

Original		Complete \Box
		*In Process □
Revised		**Stalled □
		***Stopped/Canceled
		Never Started □
		never startea
	Barriers:	
Goal 3		
Original		Complete \square
		*In Process \Box
Revised		**Stalled □
		***Stopped/Canceled \Box
		Never Started□
	Barriers:	
Original		Complete \Box
		*In Process \Box
Revised		**Stalled \square
		***Stopped/Canceled
		Never Started□
	Barriers:	
Original		Complete \Box
		*In Process \Box
Revised		**Stalled \square
		***Stopped/Canceled
		Never Started□
	Barriers:	
New	New goals are optional	
Goal(s)		
6 mo.		Complete \square
		*In Process □
12 mo.		**Stalled 🗆
		***Stopped/Canceled \square
18 mo.		Never Started□