## **Resilience Among Patients Across** the Cancer Continuum: **Diverse Perspectives**

Yamile Molina, PhD, MS, Jean C. Yi, PhD, Javiera Martinez-Gutierrez, MD, MPH, Kerryn W. Reding, PhD, MPH, Joyce P. Yi-Frazier, PhD, and Abby R. Rosenberg, MD, MS



Each phase of the cancer experience profoundly affects patients' lives. Much of the literature has focused on negative consequences of cancer; however, the study of resilience may enable providers to promote more positive psychosocial outcomes before, during, and after the cancer experience. The current review describes the ways in which elements of resilience have been defined and studied at each phase of the cancer continuum. Extensive literature searches were conducted to find studies assessing resilience during one or more stages of the adult cancer continuum. For all phases of the cancer continuum, resilience descriptions included preexisting or baseline characteristics, such as demographics and personal attributes (e.g., optimism, social support), mechanisms of adaptation, such as coping and medical experiences (e.g., positive

provider communication), as well as psychosocial outcomes, such as growth and quality of life. Promoting resilience is a critical element of patient psychosocial care. Nurses may enable resilience by recognizing and promoting certain baseline characteristics and optimizing mechanisms of adaptation.

Yamile Molina, PhD, MS, is an affiliated researcher at the Fred Hutchinson Cancer Research Center in Seattle, WA, an MPH student in the Departments of Epidemiology and Biostatistics at the University of Illinois-Chicago, and a postdoctoral fellow in the Department of Health Services in the School of Public Health at the University of Washington in Seattle; Jean C. Yi, PhD, is a staff scientist at the Fred Hutchinson Cancer Research Center; Javiera Martinez-Gutierrez, MD, MPH, is an associate instructor at the Pontifical Catholic University of Chile in Santiago and an affiliated researcher at the Fred Hutchinson Cancer Research Center and in the Department of Epidemiology in the School of Public Health at the University of Washington; Kerryn W. Reding, PhD, MPH, is an assistant professor at the Fred Hutchinson Cancer Research Center and an affiliated researcher in the School of Nursing at the University of Washington; Joyce P. Yi-Frazier, PhD, is a research assistant professor in the Department of Pediatrics in the School of Medicine at the University of Washington and at the Seattle Children's Hospital in Washington; and Abby R. Rosenberg, MD, MS, is an instructor in the Department of Pediatrics in the School of Medicine at the Seattle Children's Hospital, at the Fred Hutchinson Cancer Research Center, and at the University of Washington. The authors take full responsibility for the content of the article. Funding for this work was provided to Molina by two National Cancer Institute grants (Nos. P50CA148143 and R25 CA92408), to Martinez-Gutierrez by a National Cancer Institute grant (No. R25 CA92408) issued to the Biobehavioral Cancer Prevention and Control Training Program at the University of Washington, to Reding by a National Institute of Nursing Research grant (No. K99NR012232), and to Rosenberg by the Ruth L. Kirschstein National Research Service Award (No. T32CA009351). Any opinions, findings, and conclusions expressed in this material are those of the authors and do not necessarily reflect those of the National Cancer Institute, the National Institute of Nursing Research, or the National Institutes of Health. The content of this article has been reviewed by independent peer reviewers to ensure that it is balanced, objective, and free from commercial bias. No financial relationships relevant to the content of this article have been disclosed by the independent peer reviewers or editorial staff. Rosenberg can be reached at abby.rosenberg@seattlechildrens.org, with copy to editor at CJONEditor@ons.org. (Submitted November 2012. Revision submitted May 2013. Accepted for publication May 20, 2013.)

Key words: resilience; cancer; adaptation cancer screening; cancer survivorship; end-of-life care; palliative care

Digital Object Identifier: 10.1188/14.CJON.93-101

he Institute of Medicine called in 2007 for an integrated, multidisciplinary approach to better care for the "whole" patient with cancer (Adler & Page, 2008). Since then, focus has increased on the psychosocial aspects of cancer care, including routine screening for unmet needs and psychological distress and the incorporation of multidisciplinary care teams to standard practice models (Carlson, Waller, & Mitchell, 2012; Fann, Ell, & Sharpe, 2012). Psychosocial care among patients with cancer and those at high

risk for developing cancer aims to recognize and address the effects of cancer screening and treatment on the mental status, emotional well-being, and quality of life (QOL) of patients, family members, and caregivers.

Much of the research to date has focused on negative outcomes, such as psychological distress and depression (Carlson et al., 2012). Comparatively, few descriptions exist of positive psychosocial factors before, during, and after cancer. The task is complicated, in part, by varying theoretical descriptions of