
BACKGROUND: This study sought to inductively derive core themes of religion and/or spirituality (R/S) active in patients' experiences of advanced cancer to inform the development of spiritual care interventions in the terminally ill cancer setting. METHODS: This is a multisite, cross-sectional, mixed-methods study of randomly-selected patients with advanced cancer (n = 68). Scripted interviews assessed the role of R/S and R/S concerns encountered in the advanced cancer experience. Qualitative and quantitative data were analyzed. Theme extraction was performed with interdisciplinary input (sociology of religion, medicine, theology), utilizing grounded theory. Spearman correlations determined the degree of association between R/S themes. Predictors of R/S concerns were assessed using linear regression and analysis of variance. RESULTS: Most participants (n = 53, 78%) stated that R/S had been important to the cancer experience. In descriptions of how R/S was related to the cancer experience, five primary R/S themes emerged: coping, practices, beliefs, transformation, and community. Most interviews (75%) contained two or more R/S themes, with 45% mentioning three or more R/S themes. Multiple significant subtheme interrelationships were noted between the primary R/S themes. Most participants (85%) identified 1 or more R/S concerns, with types of R/S concerns spanning the five R/S themes. Younger, more religious, and more spiritual patients identified R/S concerns more frequently (beta = -0.11, p < 0.001; beta = 0.83, p = 0.03; and beta = 0.89, p = 0.04, respectively). CONCLUSIONS: R/S plays a variety of important and inter-related roles for most advanced cancer patients. Future research is needed to determine how spiritual care can incorporate these five themes and address R/S concerns.


CONTEXT: Although prayer potentially serves as an important practice in offering religious/spiritual support, its role in the setting of life-threatening illness, this study used mixed quantitative-quality methods to describe the viewpoints expressed by patients with advanced cancer, oncology nurses, and oncology physicians concerning the appropriateness of clinician prayer. METHODS: This is a cross-sectional, multisite, mixed-methods study of advanced cancer patients (n=70), oncology physicians (n=206), and oncology nurses (n=115). Semi-structured interviews were used to assess respondents' attitudes toward the appropriate role of prayer in the context of advanced cancer. Theme extraction was performed based on interdisciplinary input using grounded theory. RESULTS: Most advanced cancer patients (71%), nurses (83%), and physicians (65%) reported that patient-initiated patient-practitioner prayer was at least occasionally appropriate. Furthermore, clinician prayer was viewed as at least occasionally appropriate by the majority of patients (64%), nurses (76%), and physicians (59%). Of those patients who could envision themselves asking their physician or nurse for prayer (61%), 86% would find this form of prayer spiritually supportive. Most patients (80%) viewed clinician-initiated prayer as spiritually supportive. Open-ended responses regarding the appropriateness of patient-practitioner prayer in the advanced cancer setting revealed six themes shaping respondents' viewpoints: necessary conditions for prayer, potential benefits of prayer, critical attitudes toward prayer, positive attitudes toward prayer, potential negative consequences of prayer, and prayer alternatives. CONCLUSION: Most patients and practitioners view patient-practitioner prayer as at least occasionally appropriate in the advanced cancer setting, and most patients view prayer as spiritually supportive. However, the appropriateness of patient-practitioner prayer is case specific, requiring consideration of multiple factors.


[Abstract:] Purpose: To determine factors contributing to the infrequent provision of spiritual care (SC) by nurses and physicians caring for patients at the end of life (EOL). Patients and Methods This is a survey-based, multisite study conducted from March 2006 through January 2009. All eligible patients with advanced cancer receiving palliative radiation therapy and oncology physician and nurses at four Boston academic centers were approached for study participation; 75 patients (response rate 63%) participated. The survey assessed practical and operational dimensions of SC, including eight SC examples. Outcomes assessed five factors hypothesized to contribute to SC infrequency. Results: Most patients with advanced cancer had never received any form of spiritual care from their oncology nurses or physicians (87% and 94%, respectively; P for difference .043). Majorities of patients indicated that SC is an important component of cancer care from nurses and physicians (86% and 87%, respectively; P = 1). Most nurses and physicians thought that SC should at least occasionally be provided (87% and 80%, respectively; P = .16). Majorities of patients, nurses, and physicians endorsed the appropriateness of eight examples of SC (averages, 78%, 93%, and 87%, respectively; P = .01). In adjusted analyses, the strongest predictor of SC provision by nurses and physicians was reception of SC training (odds ratio [OR] 11.20, 95% CI, 1.24 to 101; and OR 7.22, 95% CI, 1.91 to 27.30, respectively). Most nurses and physicians had not received SC training (88% and 86%, respectively; P = .83). Conclusion: Patients, nurses, and physicians view SC as an important, appropriate, and beneficial component of EOL care. SC infrequency may be primarily due to lack of training, suggesting that SC training is critical to meeting national EOL care guidelines.
"Provision of spiritual support to patients with advanced cancer by religious communities and associations with medical care at the end of life." JAMA Internal Medicine (2013): online ahead of print from the journal website as of May 6, 2013.

[Abstract:] Importance: Previous studies report associations between medical utilization at the end-of-life (EoL) and religious coping and spiritual support from the medical team. However, the influence of clergy and religious communities on EoL outcomes is unclear.

Objective: To determine whether spiritual support from religious communities influences terminally ill patients’ medical care and quality of life (QoL) near death. Design, Setting, and Participants: A US-based, multisite cohort study of 343 patients with advanced cancer enrolled from September 2002 through August 2008 and followed up (median duration, 116 days) until death. Baseline interviews assessed support of patients’ spiritual needs by religious communities. End-of-life medical care in the final week included the following: hospice, aggressive EoL measures (care in an intensive care unit [ICU], resuscitation, or ventilation), and ICU death. Main Outcomes and Measures: End-of-life QoL was assessed by caregiver ratings of patient QoL in the last week of life. Multivariable regression analyses were performed on EoL care outcomes in relation to religious community spiritual support, controlling for confounding variables, and were repeated among high religious coping and racial/ethnic minority patients. Results: Patients reporting high spiritual support from religious communities (43%) were less likely to receive hospice (adjusted odds ratio [AOR], 0.37; 95% CI, 0.20-0.70 [P = .002]), more likely to receive aggressive EoL measures (AOR, 2.62; 95% CI, 1.14-6.06 [P = .02]), and more likely to die in an ICU (AOR, 5.22; 95% CI, 1.71-15.60 [P = .004]). Risks of receiving aggressive EoL interventions and ICU deaths were greater among high religious coping (AOR, 11.02; 95% CI, 2.83-42.89 [P = .001]; and AOR, 22.02; 95% CI, 3.24-149.58 [P = .002]; respectively) and racial/ethnic minority patients (AOR, 8.03; 95% CI, 2.04-31.55 [P = .003]; and AOR, 11.21; 95% CI, 2.29-54.88 [P = .003]; respectively). Among patients well-supported by religious communities, receiving spiritual support from the medical team was associated with higher rates of hospice use (AOR, 2.37; 95% CI, 1.03-5.44 [P = .04]), fewer aggressive interventions (AOR, 0.23; 95% CI, 0.06-0.79 [P = .02]) and fewer ICU deaths (AOR, 0.19; 95% CI, 0.05-0.80 [P = .02]; and EoL discussions were associated with fewer aggressive interventions (AOR, 0.12; 95% CI, 0.02-0.63 [P = .01]). Conclusions and Relevance: Terminally ill patients who are well-supported by religious communities access hospice care less and aggressive medical interventions more near death. Spiritual care and EoL discussions by the medical team may reduce aggressive treatment, highlighting spiritual care.


[Abstract:] BACKGROUND: Although spiritual care is associated with less aggressive medical care at the end of life (EoL), it remains infrequent. It is unclear if the omission of spiritual care impacts EoL costs. METHODS: A prospective, multisite study of 339 advanced cancer patients accrued subjects from September 2002 to August 2007 from an outpatient setting and followed them until death. Spiritual care was measured by patients' reports that the health care team supported their religious/spiritual needs. EoL costs in the last week were compared among patients reporting that their spiritual needs were inadequately supported versus those who reported that their needs were well supported. Analyses were adjusted for confounders (eg, EoL discussions). RESULTS: Patients reporting that their religious/spiritual needs were inadequately supported by clinic staff were less likely to receive a week or more of hospice (54% vs 72.8%; P = .01) and more likely to die in an intensive care unit (ICU) (5.1% vs 1.0%, P = .03). Among minorities and high religious coping patients, those reporting poorly supported religious/spiritual needs received more aggressive EoL care (11.3% vs 1.2%, P = .03 and 13.1% vs 1.6%, P = .02, respectively), received less hospice (43% vs 75.3% >=1 week of hospice, P = .01 and 45.3% vs 73.1%, P = .007, respectively), and had increased ICU deaths (11.2% vs 1.2%, P = .03 and 7.7% vs 0.6%, P = .009, respectively). EoL costs were higher when patients reported that their spiritual needs were inadequately supported ($4947 vs $2833, P = .03), particularly among minorities ($6533 vs $2276, P = .02) and high religious copers ($6344 vs $2431, P = .005). CONCLUSIONS: Cancer patients reporting that their spiritual needs are not well supported by the health care team have higher EoL costs, particularly among minorities and high religious coping patients.


[Abstract:] PURPOSE: To determine whether spiritual care from the medical team impacts medical care received and quality of life near death. Design, Setting, and Participants: A US-based, multisite cohort study of 343 patients with advanced cancer enrolled from September 2002 through August 2008. We interviewed 343 patients at baseline and observed them (median, 116 days) until death. Spiritual care was defined by patient-rated support of spiritual needs by the medical team and receipt of pastoral care services. The Brief Religious Coping Scale (RCOPE) assessed positive religious coping. EoL outcomes included patient QoL and receipt of hospice and any aggressive care (eg, resuscitation). Analyses were adjusted for potential confounders and repeated according to median-split religious coping. RESULTS: Patients whose spiritual needs were largely or completely supported by the medical team received more hospice care in comparison with those not supported (adjusted odds ratio [AOR] = 3.53; 95% CI, 1.53 to 8.12, P = .003). High religious coping patients whose spiritual needs were largely or completely supported were more likely to receive hospice (AOR = 4.93; 95% CI, 1.64 to 14.80; P = .004) and less likely to receive aggressive care (AOR = 0.18; 95% CI, 0.04 to 0.79; P = .02) in comparison with those not supported. Spiritual support from the medical team and pastoral care visits were associated with higher QoL scores near death (20.0 [95% CI, 18.9 to 21.1] v 17.3 [95% CI, 15.9 to 18.8], P = .007; and 20.4 [95% CI, 19.2 to 21.1] v 17.7 [95% CI, 16.5 to 18.9], P = .003, respectively). CONCLUSION: Support of terminally ill patients’ spiritual needs by the medical team is associated with greater hospice utilization and, among high religious copers, less aggressive care at EoL. Spiritual care is associated with better patient QoL near death.


[Abstract:] PURPOSE: Religion and spirituality play a role in coping with illness for many cancer patients. This study examined religiousness and spiritual support in advanced cancer patients of diverse racial/ethnic backgrounds and associations with quality of life
(QOL), treatment preferences, and advance care planning. METHODS: The Coping With Cancer study is a federally funded, multi-institutional investigation examining factors associated with advanced cancer patient and caregiver well-being. Patients with an advanced cancer diagnosis and failure of first-line chemotherapy were interviewed at baseline regarding religiousness, spiritual support, QOL, treatment preferences, and advance care planning. RESULTS: Most (88%) of the study population (N = 230) considered religion to be at least somewhat important. Nearly half (47%) reported that their spiritual needs were minimally or not at all supported by a religious community, and 72% reported that their spiritual needs were supported minimally or not at all by the medical system. Spiritual support by religious communities or the medical system was significantly associated with patient QOL (P = .0003). Religiousness was significantly associated with wanting all measures to extend life (odds ratio, 1.96; 95% CI, 1.08 to 3.57). CONCLUSION: Many advanced cancer patients' spiritual needs are not supported by religious communities or the medical system, and spiritual support is associated with better QOL. Religious individuals more frequently want aggressive measures to extend life.

El Nawawi, N. M., Balboni, M. J., and Balboni, T. A. "Palliative care and spiritual care: the crucial role of spiritual care in the care of patients with advanced illness." Current Opinion in Supportive & Palliative Care 6, no. 2 (Jun 2012): 269-274.

[Abstract:] Purpose of Review: Within the hospice and palliative care movement, patients' religion/spirituality (R/S) has been a core component of care incorporated within international and US palliative care guidelines. However, as the discipline of palliative care has been incorporated into the larger biomedical community, the inclusion of spiritual care has become controversial. This review summarizes key empirical research at the intersection of palliative care and R/S in order to assess its validity as a domain of end-of-life care. Recent Findings: Recent research shows that R/S and spiritual care are important components to the care of patients facing advanced illness. Patients – particularly ethnic minorities – rely upon R/S as an important means to interpret and cope with illness. Studies suggest that R/S plays an important role in coping with disease related symptoms, improves quality of life, and impacts medical decision-making near death. Patients largely desire medical caregivers to take an active role in providing spiritual care, and patients likewise frequently experience multiple spiritual needs arising in the face of life-threatening illness. Summary: Despite an empirical evidence for spiritual care as part of palliative care, R/S remains insufficiently addressed by the medical system. Further research is required in order to more clearly identify the roles of healthcare providers and standardize the provision of spiritual care within palliative care.


[Abstract:] Objective: This study examines the relationships between methods of coping with advanced cancer, completion of advance care directives, and receipt of intensive, life-prolonging care near death. Methods: The analysis is based on a sample of 345 patients interviewed between January 1, 2003, and August 31, 2007, and followed until death as part of the Coping with Cancer Study, an NCI/NIMH-funded, multi-site, prospective, longitudinal, cohort study of patients with advanced cancer. The Brief COPE was used to assess active coping, use of emotional-support, and behavioral disengagement. The Brief RCOPE was used to assess positive and negative religious coping. The main outcome was intensive, life-prolonging care near death, defined as receipt of ventilation or resuscitation in the last week of life. Results: Positive religious coping was associated with lower rates of having a living will (AOR = 0.39, p = 0.003) and predicted higher rates of intensive, life-prolonging care near death (AOR, 5.43; p<0.001), adjusting for other coping methods and potential socio-demographic and health status confounds. Behavioral disengagement was associated with higher rates of DNR order completion (AOR, 2.78; p = 0.003) and predicted lower rates of intensive life-prolonging care near death (AOR, 0.20; p = 0.036). Not having a living will partially mediate the influence of positive religious coping on receipt of intensive, life-prolonging care near death. Conclusion: Positive religious coping and behavioral disengagement are important determinants of completion of advance care directives and receipt of intensive, life-prolonging care near death.


[Abstract:] Purpose: Attention to patients’ religious and spiritual needs is included in national guidelines for quality end-of-life care, but little data exist to guide spiritual care. Patients and Methods: The Religion and Spirituality in Cancer Care Study is a multi-institution, quantitative-qualitative study of 75 patients with advanced cancer and 339 cancer physicians and nurses. Patients underwent semistructured interviews, and care providers completed a Web-based survey exploring their perspectives on the routine provision of spiritual care by physicians and nurses. Theme extraction was performed following triangulated procedures of interdisciplinary analysis. Multivariable ordinal logistic regression models assessed relationships between participants’ characteristics and attitudes toward spiritual care. Results: The majority of patients (77.9%), physicians (71.6%), and nurses (85.1%) believed that routine spiritual care would have a positive impact on patients. Only 25% of patients had previously received spiritual care. Among patients, prior spiritual care (adjusted odds ratio [AOR], 14.65; 95% CI, 1.51 to 142.23), increasing education (AOR, 1.26; 95% CI, 1.06 to 1.49), and religious coping (AOR, 4.79; 95% CI, 1.40 to 16.42) were associated with favorable perceptions of spiritual care. Physicians held more negative perceptions of spiritual care than patients (P<.001) and nurses (P=.008). Qualitative analysis identified benefits of spiritual care, including supporting patients’ emotional well-being and strengthening patient-provider relationships. Objections to spiritual care frequently related to professional role conflicts. Participants described ideal spiritual care to be individualized, voluntary, inclusive of chaplains/clergy, and based on assessing and supporting patient spirituality. Conclusion: Most patients with advanced cancer, oncologists, and oncology nurses value spiritual care. Themes described provide an empirical basis for engaging spiritual issues within clinical care.


[Abstract:] CONTEXT: Patients frequently rely on religious faith to cope with cancer, but little is known about the associations between religious coping and the use of intensive life-prolonging care at the end of life. OBJECTIVE: To determine the way religious coping relates to the use of intensive life-prolonging end-of-life care among patients with advanced cancer. DESIGN, SETTING, AND PARTICIPANTS: A US multisite, prospective, longitudinal cohort of 345 patients with advanced cancer, who were enrolled between January 1, 2003, and August 31, 2007. The Brief RCOPE assessed positive religious coping. Baseline interviews assessed psychosocial and religious/spiritual
measures, advance care planning, and end-of-life treatment preferences. Patients were followed up until death, a median of 122 days after baseline assessment. MAIN OUTCOME MEASURES: Intensive life-prolonging care, defined as receipt of mechanical ventilation or resuscitation in the last week of life. Analyses were adjusted for demographic factors significantly associated with positive religious coping and any end-of-life outcome at \( P < .05 \) (ie, age and race/ethnicity). The main outcome was further adjusted for potential psychosocial confounders (eg, other coping styles, terminal illness acknowledgment, spiritual support, preference for heroics, and advance care planning). RESULTS: A high level of positive religious coping at baseline was significantly associated with receipt of mechanical ventilation compared with patients with a low level (11.3% vs 3.6%; adjusted odds ratio [AOR], 2.81 [95% confidence interval {CI}, 1.03-7.69]; \( P = .04 \)) and intensive life-prolonging care during the last week of life (13.6% vs 4.2%; AOR, 2.90 [95% CI, 1.14-7.35]; \( P = .03 \)) after adjusting for age and race. In the model that further adjusted for other coping styles, terminal illness acknowledgment, support of spiritual needs, preference for heroics, and advance care planning (do-not-resuscitate order, living will, and health care proxy/durable power of attorney), positive religious coping remained a significant predictor of receiving intensive life-prolonging care near death (AOR, 2.90 [95% CI, 1.07-7.89]; \( P = .04 \)). CONCLUSIONS: Positive religious coping in patients with advanced cancer is associated with receipt of intensive life-prolonging medical care near death. Further research is needed to determine the mechanisms for this association.


[Abstract:] OBJECTIVES: National palliative care guidelines outline spiritual care as a domain of palliative care, yet patients' religiousness and/or spirituality (R/S) are underappreciated in the palliative oncology setting. Among patients with advanced cancer receiving palliative radiation therapy (RT), this study aims to characterize patient spirituality, religiousness, and religious coping; examine the relationships of these variables to quality of life (QOL); and assess patients' perceptions of spiritual care in the cancer care setting. METHODS: This is a multisite, cross-sectional survey of 69 patients with advanced cancer (response rate = 73%) receiving palliative RT. Scripted interviews assessed patient spirituality, religiousness, religious coping, QOL (McGill QOL Questionnaire), and perceptions of the importance of attention to spiritual needs by health providers. Multivariable models assessed the relationships of patient spirituality and R/S coping to patient QOL, controlling for other significant predictors of QOL. RESULTS: Most participants (84%) indicated reliance on R/S beliefs to cope with cancer. Patient spirituality and religious coping were associated with improved QOL in multivariable analyses (beta = 10.57, \( P < .001 \) and beta = 1.28, \( P = .01 \), respectively). Most patients considered attention to spiritual concerns an important part of cancer care by physicians (87%) and nurses (85%). LIMITATIONS: Limitations include a small sample size, a cross-sectional study design, and a limited proportion of nonwhite participants (15%) from one US region. CONCLUSION: Patients receiving palliative RT rely on R/S beliefs to cope with advanced cancer. Furthermore, spirituality and religious coping are contributors to better QOL. These findings highlight the importance of spiritual care in advanced cancer care.


[Abstract:] PURPOSE: Religion and/or spirituality (R/S) have increasingly been recognized as key elements in patients' experience of advanced illness. This study examines the relationship of spiritual concerns (SCs) to quality of life (QOL) in patients with advanced cancer. PATIENTS AND METHODS: Patients were recruited between March 3, 2006 and April 14, 2008 as part of a survey-based study of 69 cancer patients receiving palliative radiotherapy. Sixteen SCs were assessed, including 11 items assessing spiritual struggles (eg, feeling abandoned by God) and 5 items assessing spiritual seeking (eg, seeking forgiveness, thinking about what gives meaning in life). The relationship of SCs to patient QOL domains was examined using univariable and multivariable regression analysis. RESULTS: Most patients (86%) endorsed one or more SCs, with a median of 4 per patient. Younger age was associated with a greater burden of SCs (beta = -0.01, \( p = .006 \)). Total spiritual struggles, spiritual seeking, and SCs were each associated with worse psychological QOL (beta = -1.11, \( p = .01 \); beta = -1.67, \( p < .05 \); and beta = -1.06, \( p < .001 \)). One of the most common forms of spiritual seeking (endorsed by 54%)--thinking about what gives meaning to life--was associated with worse psychological and overall QOL (beta = -5.75, \( p = .02 \); beta = -12.94, \( p = .02 \)). Most patients (86%) believed it was important for health care professionals to consider patient SCs within the medical setting. CONCLUSIONS: SCs are associated with poorer QOL among advanced cancer patients. Furthermore, most patients view attention to SCs as an important part of medical care. These findings underscore the important role of spiritual care in palliative care management.