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Post-Treatment Survivorship Care Needs of Spanish-speaking Latinas with Breast Cancer

Anna María Nápoles, PhD, MPH^{a,b}, Carmen Ortiz, PhD^c, Jasmine Santoyo-Olsson, MS^{a,b}, Anita L. Stewart, PhD^g, Howard E. Lee, MD, MPH^d, Ysabel Duron, BA^e, Niharika Dixit, MD^f, Judith Luce, MD^f, and Diana J. Flores, MPH^h

^aCenter for Aging in Diverse Communities, University of California San Francisco (UCSF), 3333 California St., Suite 335, San Francisco, California 94143-0856, USA

^bDivision of General Internal Medicine, Department of Medicine, UCSF, 3333 California St., Suite 335, San Francisco, California 94143-0856, USA

^cCírculo de Vida Cancer Support and Resource Center, 2601 Mission Street, Suite 500, San Francisco, California 94110 USA

^dDivision of Oncology, Department of Medicine, Stanford University School of Medicine, 875 Blake Wilbur Dr., Stanford, California 94305 USA

^eLatinas Contra Cancer, 255 North Market Street, Suite 175, San Jose, California 95110 USA

^fDivision of Hematology/Oncology, Department of Medicine, UCSF/San Francisco General Hospital, 995 Potrero Ave Building 80, Ward 84, San Francisco, California 94110 USA

^gInstitute for Health and Aging, UCSF, 3333 California St., Suite 340, San Francisco, California 94143-0856, USA

^hBiology Scholars Program, University of California, Berkeley, 2075 Valley Life Science Building, Berkeley, California 94720-3120 USA

Abstract

Background—A comprehensive assessment of Spanish-speaking breast cancer survivors' (SSBCS) survivorship needs is lacking.

Objective—Assess SSBCS' post-treatment symptom management, psychosocial, and informational needs.

Corresponding Author: Anna M. Nápoles, Ph.D., M.P.H., University of California San Francisco, 3333 California Street, Suite 335, San Francisco, California 94118-1944 USA, Phone: +1-415 476-6290, Fax: +1-415 502-8291, anapoles@ucsf.edu.

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Ethical approval: All procedures performed in studies involving human participants were in accordance with the ethical standards of the institutional and/or national research committee and the 1964 Helsinki declaration and its later amendments or comparable ethical standards. This article does not contain any studies with animals performed by any of the authors.

Informed consent: Informed consent was obtained from all individual participants included in the study.

Methods—118 telephone surveys and 25 in-person semi-structured interviews with SSBCS, and semi-structured interviews with 5 support providers and 4 physicians who serve SSBCS from 5 Northern California counties.

Results—Surveys identified the most bothersome (bothered by it in the past month “somewhat/quite a bit/a lot”) physical symptoms as: joint pain, fatigue, hot flashes, numbness in hands/feet, and vaginal dryness. The most bothersome emotional symptoms were thoughts of recurrence/new cancers, depression/sadness, anxieties, and stress. Seven themes emerged from interviews: 1) unmet physical symptom management needs; 2) social support from family/friends often ends when treatment is completed; 3) challenges resuming roles; 5) sense of abandonment by health care system when treatment ends; 6) need for formal transition from active treatment to follow-up care; 6) fear of recurrence especially when obtaining follow-up care; and 7) desire for information on late effects of initial treatments and side effects of hormonal treatments. Based on survey and interview results, we present a conceptual framework for survivorship care interventions for SSBCS.

Limitations—Sample may not represent SSBCS’ concerns seen outside of Northern California hospitals.

Conclusions—Physical and psychosocial symptoms were common. SSBCS need culturally appropriate survivorship care programs that address symptom management, psychosocial concerns, follow-up care, and healthy lifestyles.

Keywords

quality of life; health disparities; breast cancer; Latino/Hispanic; cancer survivorship

After treatment, cancer patients transition to a survivorship phase, often with little information or support. Cancer survivors are at increased risk of recurrence, secondary cancers, comorbid conditions, and late treatment effects.^{1,2} However, many remain unaware of these risks and options for managing them³ and face numerous unmet medical, psychosocial and informational needs that can be addressed through survivorship care programs.⁴ Anxiety may increase as they lose their treatment team’s support while attempting to reestablish their lives.² Patients need to know the long-term risks of cancer treatments, probabilities of recurrence and second cancers, effectiveness of surveillance and interventions for managing late effects and psychosocial concerns, and benefits of healthy lifestyles.²

Due to sociocultural and economic factors, Spanish-speaking Latina breast cancer survivors (SSBCS) suffer worse post-treatment health-related quality of life and more pain, fatigue, depressive symptoms, body image issues, and distress than their White counterparts.^{5–7} However, they are less likely to receive necessary cancer treatment, symptom management, and surveillance. For example, compared to Whites, Latina breast cancer survivors received less guideline-adherent treatment⁸ and follow-up care, including survivorship information.^{3,9} SSBCS, in particular have less access to survivorship information.¹⁰ Consequently, SSBCS are more likely to report unmet symptom management needs.¹¹

Several breast cancer survivorship program trials have included Latinas,^{12,13} but their effectiveness has been demonstrated only for depressive symptoms or health worry. A comprehensive assessment of the post-treatment needs of SSBCS would provide a foundation for designing tailored survivorship interventions for this vulnerable group. This study aimed to identify the symptom management, psychosocial, and informational needs of SSBCS during the transition to survivorship from the perspectives of SSBCS and their cancer support providers and cancer physicians.

Methods

We sampled respondents within a 5-county area in Northern California to obtain multiple perspectives of the survivorship care needs of SSBCS using structured and in-depth methods: 1) a telephone survey of SSBCS; 2) semi-structured interviews with SSBCS; 3) semi-structured interviews with cancer support providers serving SSBCS; and 4) semi-structured interviews with physicians providing cancer care for SSBCS. The study protocol was approved by the University of California San Francisco Committee on Human Research.

Sample and Procedures

Structured telephone survey with SSBCS—The sample was drawn evenly from San Francisco General Hospital/University of California San Francisco primary care practices and SSBCS from a prior study who agreed to be re-contacted.¹⁴ Inclusion criteria were: 1) completed active treatment (except adjuvant hormonal therapy) for non-metastatic breast cancer within 10 years; 2) living in one of the five counties; 3) primarily Spanish-speaking; and 4) self-identified as Latina. Exclusion criteria were: 1) previous cancer except non-melanoma skin cancer; 2) terminal illness; or 3) metastatic breast cancer. Study staff mailed potential participants a bilingual letter/information sheet, and bilingual opt-out postcard (6th-grade reading level assessed by Flesch-Kincaid grade level statistic). Female bilingual-bicultural research associates conducted 20–30 minute interviews in Spanish after obtaining verbal consent. Participants were mailed \$20. Surveys were conducted between March–November, 2014.

Semi-structured in-person interviews with SSBCS—Four community-based organizations (CBOs) in the targeted area providing cancer support services to Latinos agreed to recruit SSBCS for interviews. Inclusion criteria were identical to the survey. Patient navigators or support providers from CBOs contacted women by phone or in-person to invite them to an interview to assess their cancer survivorship needs. Women could choose a focus group or individual interview. With permission, names and contact information were given to study interviewers who called, explained the study, screened for eligibility, and scheduled an interview.

Recruitment was stratified by age (under and over age 50). We sampled women until saturation was achieved (no new themes emerged). Focus groups (90 minutes) were conducted at the CBOs. Individual interviews (45 minutes) were conducted in participants' homes. Written informed consent was obtained. Participants were paid \$50. Interviews were conducted between August–November, 2014, audiotaped, and transcribed.

Semi-structured in-person interviews with cancer support providers and physicians

Investigators invited five cancer support providers (three patient navigators from three county hospitals and two CBO directors of cancer psychosocial support services) and four physicians (three oncologists and one breast cancer surgeon from three county hospitals) to an in-person interview to identify SSBCS' survivorship care needs. All agreed to participate. No further candidates were approached because saturation was achieved. We obtained written informed consent and 30-minute interviews were conducted in participants' offices between August-October, 2014. Interviews were audiotaped and transcribed. Participants were paid \$50.

Measures

Structured telephone survey—Based on cancer survivor needs assessments,¹⁵ we assessed: physical and emotional symptoms; problems with sleep and memory/concentration; concerns about mortality, family, social isolation, intimacy, appearance; and healthy lifestyles. Items were adapted and translated into Spanish if needed, using forward/backward translation with team reconciliation. These questions used the introduction, “Now I am going to ask you if you have had any problems because of your cancer. In the past month, how much have you been bothered by...” with responses from 1=not at all to 5=a lot). For example, we asked, “In the past month, how much have you been bothered by fatigue?” Regarding healthy lifestyles, we used the introduction, “Here are some changes women sometimes want to make after cancer. Would you like help with...?” For example, we asked, “Would you like help with getting more exercise?” We asked if they wanted help getting more exercise, eating healthier, managing stress, and doing meditation or yoga (yes/no).

Semi-structured interview guide for SSBCS—Participants were asked about their emotional and physical concerns when treatment ended, current cancer needs, symptoms or late effects, and issues related to relationships, family, employment, insurance, financial hardships, barriers to follow-up care, health behaviors, and survivorship program content. Sample questions are, “Have you had any symptoms or side effects related to your cancer or treatment?” and “What kinds of information do you feel you need now about your cancer or treatment?” A brief questionnaire assessed demographics.

Semi-structured interview guide for cancer support providers and physicians

—Support providers and physicians were asked about informational, psychosocial, and symptom management needs of SSBCS and recommended self-management content and formats. Sample question are, “What kinds of information and support do you wish was available to help Spanish-speaking women take care of their health after treatment ends?” and “What do you think are the most pressing emotional needs of Spanish-speaking women after breast cancer treatment ends?” A brief questionnaire assessed demographics.

Analysis

Frequencies are reported for survey items. For questions about symptoms/concerns, we report the frequency of responding that they were bothered “somewhat/quite a bit/a lot.” For healthy lifestyles, we present the frequency answering yes.

Verbatim semi-structured interview transcripts were verified against audiotapes. Using QSR NVIVO software, transcripts were coded independently by two bilingual-bicultural investigators using a constant comparative method to generate coding categories for cancer survivorship needs.¹⁶ Coders started with themes specified by the interview guides, expanded them to represent the data, and discussed and reconciled coding discrepancies. Coding was compared by type of interview participant (survivor, support provider or physician). Triangulation of survey and semi-structured interviews occurred through team discussions to verify codes, themes and implications for interventions.

Results

Telephone survey of SSBCS

Of the telephone survey sampling frame (N=231), 51% (n=118) completed the interview, 16% (n=37) was ineligible, 13% (n=31) could not be reached, 10% (n=22) had incorrect contact information, 8% (n=19) refused, and 2% (n=4) was deceased. Mean age was 54.9 (SD=12.3) years, all were foreign-born, most had less than a high school education, and over half were of Mexican origin (Table 1). All had completed active treatment and most (68%) were within two years of diagnosis.

For symptom management needs (Table 2), the most prevalent (bothersome) symptoms (reported by more than 30%, in rank order) were joint pain, sleep problems, fatigue, hot flashes, numbness/tingling of extremities, and memory. Next most prevalent (reported by 20–30%) were vaginal dryness, dry/itchy skin, dry nose/mouth, inability to concentrate, constipation, changes in urination, and shortness of breath.

For psychosocial needs, fears of recurrence or new cancers were reported by 42%. Emotional symptoms reported by more than 30% were depression/sadness, anxieties, and feeling stressed. Next most prevalent (20–30%) were fears, loss of interest in usual activities, and nervousness/restlessness. Social well-being concerns reported by 20–30% of survivors were loneliness, having no one to talk to, and being a burden to their families. Body image and sexual problems reported by 20–30% of survivors included appearance and problems being intimate with partners.

Regarding lifestyle, the majority expressed desiring help with eating a healthier diet (74%), getting more exercise (69%), managing stress (63%), and doing yoga or meditation (55%).

Semi-structured interviews

Twenty-five SSBCS completed semi-structured interviews, 10 in individual interviews and 15 in one of two focus groups (one of 9 women>age 50; one of 6 women<age 50). Telephone survey respondents were similar to semi-structured interview respondents on all sociodemographic characteristics, but differed slightly on some clinical characteristics (Table 1). Survey women were more recently diagnosed ($p < 0.01$), less likely to have DCIS ($p < 0.001$), and more likely to have had reconstructive surgery ($p < 0.05$).

Five cancer support providers and 4 physicians were interviewed. All support providers were Spanish-speaking Latinas with at least some college education. Cancer physicians were

board certified. Two were men; two were white and two Asian; one was a breast surgeon and three were hematologists/oncologists; three spoke Spanish poorly/not at all and one spoke it fairly well.

Seven themes emerged from interviews: 1) unmet physical symptom management needs; 2) social support often ends when treatment ends; 3) challenges resuming roles; 5) sense of abandonment by health care system when treatment ends; 6) need for formal transition from active treatment to follow-up care; 6) fear of recurrence especially when obtaining follow-up care; and 7) desire for information on late effects of initial treatments and side effects of hormonal treatments. We summarize results according to these themes.

Unmet physical symptom management needs—The main physical symptoms reported by survivors and physicians in interviews were arthralgia, menopausal symptoms, and neuropathy. Fatigue was reported only by survivors. Many survivors and several support providers expressed that symptoms were poorly managed and often ignored. One stated, “I have a lot of pain where I had surgery, it burns. I worry a lot about my arm because I have sacs of fluid. My doctor only says, ‘They will dissolve over the years.’ So, I don’t feel any support (FocGrp1#6).” Survivors reported side effects of hormonal therapies, and felt that physicians downplayed these to prevent them from discontinuing medications.

Social support from family and friends often ends when treatment ends—Many survivors described a loss of support from family and friends who expected them to get back to “normal” once treatment ended. One said, “My sisters have told me to my face that there’s nothing wrong with me. So now when people ask me, I say, ‘I’m fine, thank God, I have nothing,’ even though I’m dying of pain and have all these pills to take (Survivor#1025).” A support provider related, “The client was telling me that as she was getting closer to finishing her treatment, her husband was upset because he felt like all she was doing was focusing on the cancer. I think caregivers, family, spouses, and children out of their own sort of selfishness want this person to be well (SuppProv#104).” A few survivors said that family bonds were strengthened after cancer and several reported lacking support because their families were in their home countries.

Challenges resuming roles, especially returning to work—Survivors, support providers, and physicians described challenges and few resources as women transition back to their normal roles. Survivors questioned their ability to return to work due to physically demanding occupations. One stated, “I would like information on how to take care of myself, how working can affect this side if I don’t take care of it. I clean houses and I need both hands (Survivor#3012).” Survivors described how changes in memory affected daily chores and work performance. Support providers and physicians described the need for resources to aid with return to work and household responsibilities. One physician noted, “There are usually questions about how to go ahead and live their lives from that point forward. It’s a sort of reverse shock: going back to life as they know it (Physician#004).” Support providers and physicians mentioned that women needed help with resuming intimate partner relations.

Sense of abandonment by health care system once active treatment ends—

Survivors, support providers, and physicians reported a loss of support and sense of abandonment by the patients' oncology team at the end of active treatment. One survivor stated, "Once they tell you to stop the pills, 'You're cured, there's nothing wrong with you,' the truth is that one feels, 'Now what do I do? I have no one to help me.' I felt very abandoned (FocGrp1#5)." One provider said, "The support system falls apart once women complete treatment. They lose their entire support system at the medical level. They no longer have nurses checking in about symptoms and addressing anything that's come up. They won't have access to doctors unless they're doing their screening (SuppProv#101)." An oncologist, noting that this loss of support occurs when women face pressures of transitioning back to work or family obligations, commented "So here's a woman whose marriage is in turmoil, whose husband may even have left her during this, and now her clinic is leaving her and she's on her own...that must be scary as hell because there's nobody out there to support her (Physician#002)."

Need for formal transition from active treatment to follow-up care—Two themes emerged about transitioning from active treatment: 1) transferring care from oncologists to primary care physicians (PCP), and 2) issues of follow-up care (with oncologists or PCPs). Survivors felt lost in transitioning from specialty to primary care, or expressed apprehension seeing a PCP rather than a cancer specialist. One stated, "I have my doctor but she is not a specialist. She does what I tell her to and orders a mammogram every year. But, I don't go to the oncologist anymore, and so I worry. With the specialists, I feel protected (FocGrp1#5)." Physicians acknowledged the lack of a formal transition to primary care such as a survivorship care program.

Follow-up care issues were common. Physicians stressed that women needed to know how often to return for follow-up once active treatment ends and about recommended examinations and tests, especially when receiving hormonal therapy. Physicians indicated the need for patient education materials specific to patients' treatments, for example, elevated risk of heart disease with certain chemotherapy agents. An oncologist expressed concern that PCPs are not prepared adequately about late effects and hormonal treatment side effects, and suggested providing summary notes for PCPs detailing these.

Survivors identified several barriers to follow-up care: lacking information on which symptoms merited a call to physicians; financial burden/limited health insurance; lacking appointment reminders; fear of examinations; and limited English proficiency. A survivor stated, "If you have insurance, you can make your appointment, see the doctor, and have your mammogram. I stopped taking my pills because I didn't have insurance. I tried to get them again but they told me they would cost me a thousand dollars (FocGrp1#5)." One oncologist suggested scheduling a follow-up appointment before patients leave treatment and calling patients who miss appointments.

Facilitators of regular follow-up care identified by survivors were physicians informing them about symptom monitoring and reporting, having a clinic contact person/navigator, being given a follow-up appointment, being assertive about one's care, and physicians' reinforcement of adherence to hormonal treatment and follow-up. According to support

providers, a key facilitator was having a clinic contact person/navigator. Once treatment ended, support providers often served as the liaison between the patient and the physician, making them the first point of contact for symptom reporting.

Fear of recurrence especially when obtaining follow-up care—Fear of recurrence dominated survivor interviews. This fear was heightened at the time of follow-up examinations or when they experienced unusual pain. A survivor commented, “Every time I’m due for my mammogram, I can’t sleep, worrying. I lose sleep until I get the letter with my results. Then I feel at peace again (FocGrp1#9).” Support providers discussed the need to provide reassurance to SSBSCS to help them cope with fears of recurrence. Physicians expressed challenges in allaying fears of recurrence among SSBSCS, requiring a lot of time when recommending follow-up mammograms.

Desire for information on late effects of treatments and side effects of hormonal therapies—All survivors expressed receiving insufficient information on potential symptoms and side effects. One stated, “Doctors only have five minutes. There has never been someone who gave me guidance like, ‘From now on you have to do this or you might get these symptoms now or in the future (Survivor#6019).’” They indicated uncertainty about what symptoms were “normal” and when symptoms merited a call to the physician. Several survivors reported being unaware that fatigue, arthralgia and neuropathy were side effects of breast cancer treatments until they reported these to physicians.

Physicians stressed the importance of women knowing about the elevated risk of future cancers, symptoms of recurrence, and seeking follow-up care if they experience symptoms that are out of the ordinary. Support providers felt that it was important to provide SSBSCS with information on signs of recurrence and when to report these. However, providers expressed concern that giving women too much information might elevate their anxiety. A physician suggested “It’s probably better to have a symptom list that’s short and relevant for the most common and catastrophic things, same thing with side effects...short to avoid overwhelming the patient (Physician#001).”

Hormonal treatments were of special concern. Survivors expressed a need for information on hormonal treatments and support providers stressed that this information is needed in simple Spanish. Several survivors indicated they stopped taking hormonal treatments due to side effects. One woman experienced severe headaches and heart palpitations, stopped taking the hormonal medication, felt better, and did not inform her physician until her next appointment. A support provider stated, “What I hear from a lot of women is that if side effects are too uncomfortable, they just stop it (hormonal treatment) without saying anything to the doctor. So more information about why they have to take it and that there is a good chance of recurrence is really important (SuppProv#101).” Likewise, physicians indicated that SSBSCS’ lack of information on hormonal treatments often resulted in non-adherence, emphasizing the need to reinforce adherence to prevent recurrence.

Conceptual Framework of Interventions—Based on triangulation of survey and interview results, Figure 1 presents a conceptual framework that includes needs identified, suggested components of a survivorship care intervention to address these needs, potential

mediators by which such interventions could improve outcomes, and relevant outcomes. Survivorship care needs fell into four categories: symptom management, psychosocial, sense of abandonment by health care team, and healthy lifestyles. Survivorship care programs would provide skills training in symptom and stress management, and communicating with providers, family, friends, and coworkers. Mediators include increased self-efficacy, knowledge and perceived social support, ultimately leading to reduced distress (anxiety and depressive symptoms) and stress, and improved health-related quality of life.

Conclusions

Our study aimed to identify the most critical needs of SSBCS in the post-treatment survivorship phase to facilitate the design of survivorship interventions for this vulnerable group. SSBCS, cancer support providers, and cancer physicians reported substantial symptom management, psychosocial, and informational needs among this population. Results from surveys and open-ended interviews were remarkably consistent. Survivors, physicians, and support providers viewed transition out of active treatment as a time of increased psychosocial need and heightened vulnerability.

Our findings are consistent with needs assessments conducted in other breast cancer survivors. Similar to a study of rural white women with breast cancer, fear of recurrence was among the most common psychosocial concerns.¹⁷ Results of two studies that included white, African American and Latina breast cancer survivors were consistent with ours in finding that pain and fatigue were among the most persistent symptoms; in both studies, Latinas were more likely to report pain and a higher number of symptoms.^{7,18} The prevalence of sleep problems in our sample was identical to that reported in a sample of African American breast cancer survivors.¹⁹ Our findings of a high need for symptom management information and support, social support from family and friends, and self-management resources were similar to studies of other vulnerable breast cancer survivors.^{18,20}

Our results suggest that it is critical for health care professionals to provide assistance with managing side effects and information to alleviate fears, and reinforce behaviors of symptom monitoring and reporting, and adherence to follow-up care and hormonal therapies. Yet this information is not being conveyed effectively and is complicated by the need to balance women's need for information with minimizing anxiety when providing such information.

A limitation of our study is that most of our sample was Mexican origin and may not reflect experiences of Spanish-speaking Latinas of other national origin groups or outside of Northern California. Another limitation is the lack of an English-speaking comparison group, which would have permitted the identification of similarities and differences across language groups. Finally, we did not interview radiation oncologists who may have had opinions that are not represented here.

Survivorship care programs offer great promise for meeting patients' informational and symptom management needs and improving well-being and communication with clinicians.²¹ Due to limited access to survivorship care information, financial hardships, and

pressures from their families to resume their social roles, concerted efforts are needed to develop appropriate survivorship programs for SSBCS.²² Unique language, cultural and socioeconomic factors of Spanish-speaking Latinas require tailoring of cancer survivorship programs to best meet their needs.²³ These programs need to provide psychosocial stress and symptom management assistance, simple information on recommended follow-up care, and healthy lifestyle and role reintegration strategies that account for their unique socio-cultural contexts.

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Abbreviations list

SSBCS	Spanish-speaking breast cancer survivors
PCP	Primary care physician
CBO	communitybased organization

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Figure 1.
Conceptual Framework of Post-treatment Survivorship Needs of Spanish-speaking Breast Cancer Survivors, Recommended Intervention Components, Hypothesized Mediators, and Potential Outcomes

Table 1

Descriptive characteristics of Spanish-speaking Latina breast cancer survivors, Northern California, March-November, 2014

Characteristics	Telephone survey sample (N=118)	Semi-structured in-person interview sample (N= 25)
Age in years (mean; SD)	54.9 (12.3)	57.2 (11.8)
Limited English proficient (%)	97 (82)	21 (84)
Immigrant (%)	118 (100)	23 (100)
Years living in USA (mean; SD)	24.5 (12.3)	28.5 (15.2)
Educational attainment (%)		
Less than high school	78 (66)	13 (57)
High school graduate	17 (14)	3 (13)
More than high school	23 (19)	7 (30)
Ethnicity (%)		
Mexican	61 (51)	15 (60)
Central American	46 (39)	7 (28)
South American	10 (8)	3 (12)
Spaniard	1 (1)	0 (0)
Any financial hardship in past year (%)	63 (53)	--
Presence of comorbid chronic condition (%)	66 (56)	--
Time since diagnosis (%) ^a		
Less than 1 year	37 (32)	0 (0)
1–2 year	42 (36)	15 (60)
2–3 years	7 (6)	0 (0)
3–4 years	12 (10)	4 (16)
4–5 years	6 (5)	0 (0)
More than 5 years	11 (9)	6 (24)
Don't know	3 (3)	0 (0)
Type of breast cancer (%) ^b		
DCIS	17 (14)	12 (50)
Invasive	39 (33)	6 (25)
Inflammatory	8 (7)	0 (0)
Don't know	54 (46)	6 (25)
Surgery (%)		
Breast conserving surgery	58 (49)	12 (48)
Mastectomy	59 (50)	11 (44)
None	1 (1)	0 (0)
Missing	0	2 (8)
Reconstruction (% yes) ^c	21 (36)	3 (13)
Hormonal treatment status (%)		
Never prescribed	26 (23)	4 (16)

Characteristics	Telephone survey sample (N=118)	Semi-structured in- person interview sample (N= 25)
Prescribed and currently taking	71 (62)	21 (84)
Prescribed and not currently taking	18 (16)	0 (0)
Treatment (%)		
Both radiation and chemotherapy	53 (46)	12 (50)
Only radiation	29 (25)	9 (38)
Only chemotherapy	10 (9)	1 (4)
No treatment	24 (21)	2 (8)
Self-rated health ^d (mean, SD); scale 1–5	2.9 (0.9)	--

^a $p < 0.01$ for test of differences between telephone survey and semi-structured interview respondents

^b $p < 0.001$ for test of differences between telephone survey and semi-structured interview respondents

^c $p < 0.05$ for test of differences between telephone survey and semi-structured interview respondents.

^d Higher score = better health

Table 2

Post-treatment needs of Spanish-speaking Latina breast cancer survivors, telephone survey, March-November, 2014

Breast cancer post-treatment need	N (%) (Total N= 118)
<i>Symptom Management Needs^a</i>	
<i>Physical symptoms</i>	
Joint pain	63 (53)
Fatigue	49 (42)
Hot flashes	45 (38)
Numbness or tingling in hands or feet	41 (35)
Vaginal dryness	35 (30)
Dry or itchy skin	34 (29)
Dry nose or mouth	34 (29)
Constipation	31 (26)
Changes in urination	25 (21)
Shortness of breath	25 (21)
Appetite/indigestion	22 (19)
Arm swelling	20 (17)
Nausea	14 (12)
<i>Sleep</i>	
Trouble falling asleep or staying asleep	51 (43)
<i>Cognitive functioning</i>	
Memory	39 (33)
Ability to concentrate	31 (26)
<i>Psychosocial Needs^a</i>	
<i>Existential concerns</i>	
Thoughts that breast cancer will come back	50 (42)
Thoughts that will get cancer in other parts of body	50 (42)
Thoughts about dying	23 (19)
<i>Emotional well-being</i>	
Depression/sadness	42 (36)
Anxieties	40 (34)
Feeling stressed	38 (32)
Fears	28 (24)
Loss of interest in usual activities	28 (24)
Nervousness or restlessness	27 (23)
<i>Social/family well-being</i>	
Feeling lonely	29 (25)
Feeling as if have no one to talk to when have a problem	25 (23)
Feeling like a burden on family	24 (20)
Problems talking with family/friends about cancer	17 (14)

Breast cancer post-treatment need	N (%) (Total N= 118)
Problems getting support from family/friends	12 (10)
Ability to have children	5 (4)
<i>Body image and sexual well-being</i>	
Appearance	27 (23)
Problems being intimate with partner	25 (21)
Loss of hair	20 (17)
Problems getting breast reconstruction, if needed	18 (15)
Problems communicating with partner about sex	13 (11)
<i>Healthy Lifestyle Needs^b</i>	
Eating a healthier diet	86 (74)
Getting more exercise	81 (70)
Managing stress	73 (63)
Doing yoga or meditation	64 (55)

^aPercent answering “somewhat/quite a bit/a lot” to “In the past month, how much have you been bothered by...” due to their breast cancer.

^bPercent that answered “yes” indicating they would like help with this.