

# Preferences for Physician Roles in Follow-up Care During Survivorship: Do Patients, Primary Care Providers, and Oncologists Agree?

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J Gen Intern Med 34(2):184–6 DOI: 10.1007/s11606-018-4690-5 © Society of General Internal Medicine 2018 identified their medical oncologist and PCP who were subsequently surveyed (N=414 oncologists and 852 PCPs,

### INTRODUCTION

National organizations recommend team-based care, where cancer specialists and primary care providers (PCPs) work together to provide coordinated care to patients after completing cancer treatment (i.e., during survivorship). 1, 2 This includes services such as managing comorbidities, performing routine health maintenance, primary cancer surveillance and secondary cancer screening. The adoption of team-based care models has lagged, in part, due to uncertainty around whether the oncologist or PCP should manage these services.<sup>3</sup> Prior studies reported that while 51% of PCPs support a shared-care model, nearly 60% of oncologists prefer that oncologists direct this care. Our work shows that a notable minority of women with early-stage breast cancer preferred their oncologist handle their primary care during survivorship.4 Better alignment of patient and provider preferences for physician roles during survivorship is necessary to support effective implementation of team-based care models. However, contemporary studies assessing patient and provider alignment for team-based care models do not exist.<sup>2, 5</sup> Therefore, we examined the agreement between patients, oncologists, and PCPs for which physician type each preferred to lead various services during survivorship.

# **METHODS**

The iCanCare study is a population-based survey of women with early-stage breast cancer diagnosed between 2014 and 2015.<sup>4</sup> Women from the Los Angeles and Georgia SEER registries (N = 3672) completed surveys 8 months after diagnosis (response rate 68.1%, N = 2502). Respondents

**Table 1 Sample Characteristics** 

Weighted % or Mean (SD)           Patients         Within N=237 triads           Age         61.3 (11.4)           Race         White         69.1           Black         17.2           Hispanic         6.6           Asian         0.2           Unknown         0.2           Education         High school or less           Some college         37.0           College graduate or more         39.8           Cancer stage         21.2           I         52.3           II         26.5           Surgical treatment         Breast conserving surgery           Breast conserving surgery         68.7           Unilateral mastectomy         11.6           Bilateral mastectomy         11.6           Bilateral mastectomy         19.7           SEER site         79.7           Georgia         74.4           Los Angeles County         25.6           Primary care physicians         N=190           Years in practice         21.2 (9.4)           Male gender         50.8           Number of new breast cancer patients/year         \$5.5           Large group or HMO         21.1	Table 1 Sample Characteristics	
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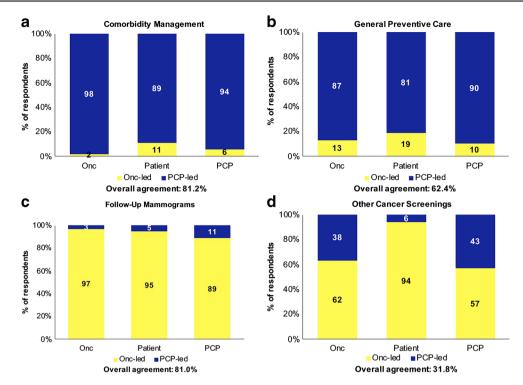


Figure 1 Patient, PCP, and oncologist preferences for physician roles for each aspect of follow-up care during survivorship.

response rates 63.0% and 60.8% respectively), leading to 237 triads of patients, oncologists, and PCPs. Patients and providers were asked the same set of questions regarding preferences for which physician should handle comorbidity management, general preventive care, follow-up mammograms, and other cancer screenings during survivorship. Responses included "prefer oncologist," "prefer PCP," "either," or "both," which were categorized as prefer oncologist-led vs. prefer PCP-led (PCP/both/either). We tabulated the distribution of preferences for oncologist- vs. PCP-led care for each service and calculated the overall agreement within the triad for each service. We also performed sensitivity analyses to account for clustering at the physician level using Rao Scott chi-square tests, which yielded similar results (not shown). For the service with the lowest overall agreement (other cancer screenings), we examined the proportion of respondents who both preferred oncologist- or PCP-led care among pairs of PCPs and patients, oncologists and patients, and PCPs and oncologists to identify where agreement was lowest.

# **RESULTS**

Table 1 describes the sample characteristics. Within the 237 triads of patients, oncologists, and PCPs, the majority preferred PCPs handle comorbidities (89% vs. 98% vs. 94% respectively) and provide general preventive care (81% vs. 87% vs. 90% respectively), and oncologists handle follow-up mammograms (95% vs. 97% vs. 89% respectively) and other cancer screenings (94% vs. 62% vs. 57% respectively)

(Fig. 1). Overall agreement was highest for comorbidity management (81.2%) and follow-up mammograms (81.0%), moderate for general preventive care (62.4%), and lowest for other cancer screenings (31.8%).

Within other cancer screenings, 60.5% of patients and oncologists and 55.9% of patient and PCPs agreed on which physician should handle this service, while 46.5% of oncologists and PCPs agreed (data not shown).

## **DISCUSSION**

While patients, PCPs, and oncologists largely agreed on which physician should handle comorbidity management, general preventive care, and follow-up mammograms during survivorship, there was notable disagreement in preferences for who should screen for other cancers, primarily between PCPs and oncologists.

Prior research suggests that oncologists lack trust in PCPs' ability to deliver survivorship care, which may prompt them to provide the service themselves.<sup>3</sup> Surprisingly, we found that more than half of PCPs in this sample preferred that oncologists screen for other cancers, a service routinely provided in primary care. PCPs have reported a lack of education and training in survivorship care, which may contribute to their reluctance to deliver screening services for breast cancer survivors.<sup>6</sup> It is also possible that PCPs perceive that patients with a history of breast cancer are at higher risk for subsequent cancers and therefore warrant oncology involvement in these services.

Our results suggest that clarifying physician roles during breast cancer survivorship is necessary both between patients and physicians, but also among physicians themselves. Clinical guidelines and policy provisions that better delineate PCP and oncologist roles may be necessary to promote the delivery of effective team-based survivorship care.

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#### Compliance with Ethical Standards:

**Conflict of Interest:** The authors declare that they do not have a conflict of interest.

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