

Vaginal and Sexual Health in Patients with ER+/HER2- Metastatic Breast Cancer (mBC)

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Introduction

Vaginal and sexual health concerns are common,¹⁻⁴ but often understudied, in women with breast cancer being treated with endocrine therapy (ET)

Objective

To better understand the vaginal/sexual health concerns in patients with ER+/HER2-, metastatic breast cancer (mBC)

Design

- The 50-question, online ESR1 QUAlity of Life Survey 2 (EQUALS 2) was emailed to US patients from the Cure Media Group and authors' contacts, and posted on private Facebook groups of patients with mBC in March and April 2023
- Patients were eligible if they had ER+/HER2- mBC
- A \$10 gift card was given to participants at survey completion
- Survey answers were summarized descriptively

Results

Participant disposition and demographics

- 200 responders were almost equally distributed to 4 age subgroups; the majority were White, had a higher education, and had a female oncologist
- Most patients were very (84%) or somewhat (6%) concerned that their mBC was impacting their family

Characteristic	s, n (%)	N = 200
Age	<47 yrs	43 (22)
	47–55 yrs	52 (26)
	55–60 yrs	47 (24)
	>60 yrs	58 (29)
Race/	White	170 (85)
ethnicity*	Black/African American	15 (8)
	Hispanic/Latino	13 (7)
	Asian	1 (1)
	Native Hawaiian or other Pacific Islander	1 (1)
	Declined to answer	1 (1)
Living setting	Rural	101 (51)
	Suburban	73 (37)
	Urban	26 (13)
Average	<\$25,000	3 (2)
household	\$25,000 to <\$50,000	18 (9)
income	\$50,000 to <\$75,000	76 (38)
	\$75,000 to <\$100,000	36 (18)
	\$100,000 to <\$150,000	28 (14)
	≥\$150,000	23 (12)
	Decline to answer	16 (8)
Highest level	Some high school	18 (9)
of education	High school	36 (18)
	Bachelor's degree	110 (55)
	Master's degree	26 (13)
	Any doctoral degree	10 (5)
Primary	Female	155 (78)
oncologist	Male	45 (23)





MBS, most bothersome symptom

cancer treatment





symptoms



Key Takeaways

- Vaginal/sexual side effects from breast cancer treatment were common in a survey of patients with ER+/HER2mBC and were a concern for most patients
- Unmet needs exist for improving vaginal/sexual health in breast cancer patients and related patient-oncologist communication

Conclusions

 In this survey of patients with ER+/HER2- mBC, 61% of patients experienced vaginal symptoms and most (62%) felt their sexual health was negatively impacted by prior ET

• Vaginal side effects from breast cancer treatment were a concern for most patients (80%), negatively impacting patients' self-esteem and making them feel isolated

 About a third of patients felt poorly informed or uncomfortable discussing these vaginal/sexual side effects with their MT, and even more so if their oncologist was male

• The top source patients obtained information on vaginal/sexual side effects was from their gynecologist rather than oncologist

• These data highlight unmet needs for improving vaginal/sexual health while treating breast cancer, and better patientoncologist communication about vaginal/sexual concerns

References

Baumgart J, et al. Am J Obstet Gynecol. 2011;204:26 e21-27. 2. Kyvernitakis I, et al. *Climacteric*. 2014;17:252-259. 3. Huynh V, et al. Ann Surg Oncol. 2022;29:6238-6251. 4. Oberguggenberger A, et al. BMC Cancer. 2017;17:599.

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