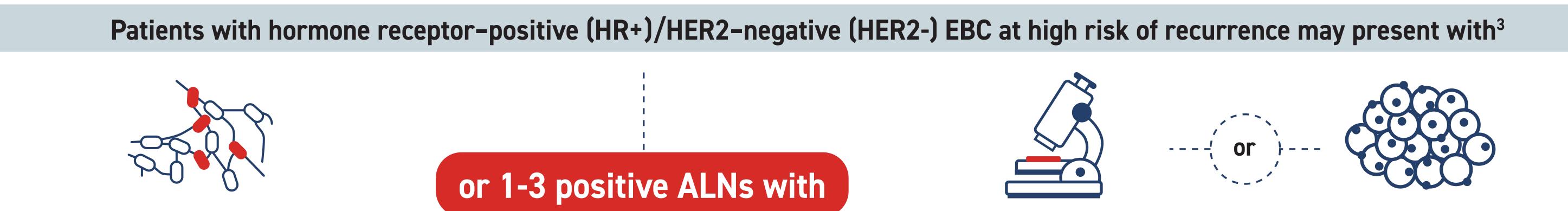


High-Risk, Early Breast Cancer:

Recurrence by Tumor Stage and Nodal Burden and the Importance of Quantifying Risk

Early breast cancer (EBC) recurrence

Some patients with EBC have cancer cells that are more aggressive and more likely to grow and spread quickly, which means there is a higher risk of the cancer recurring^{1,2}



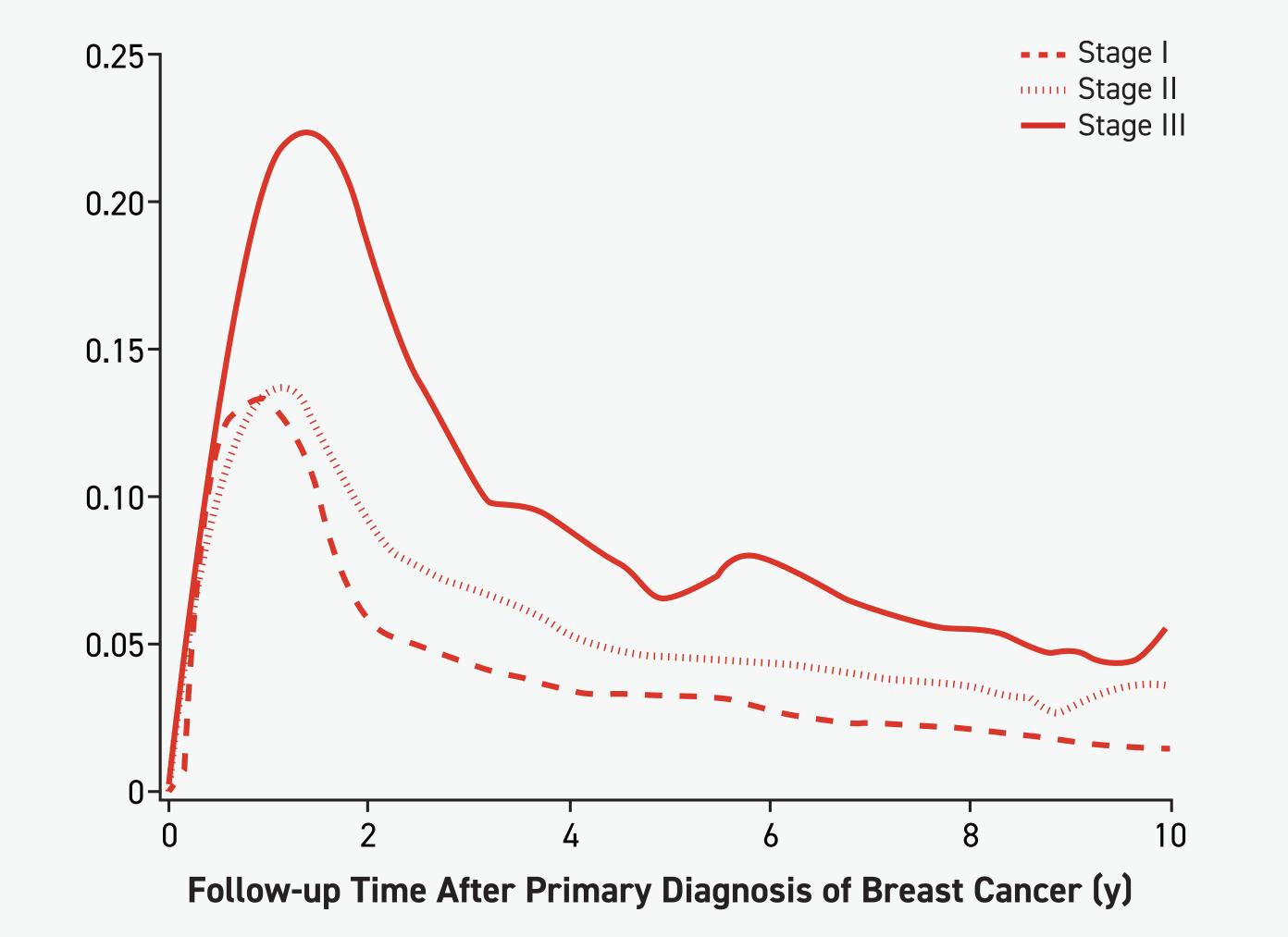
≥4 positive axillary lymph nodes (ALNs)

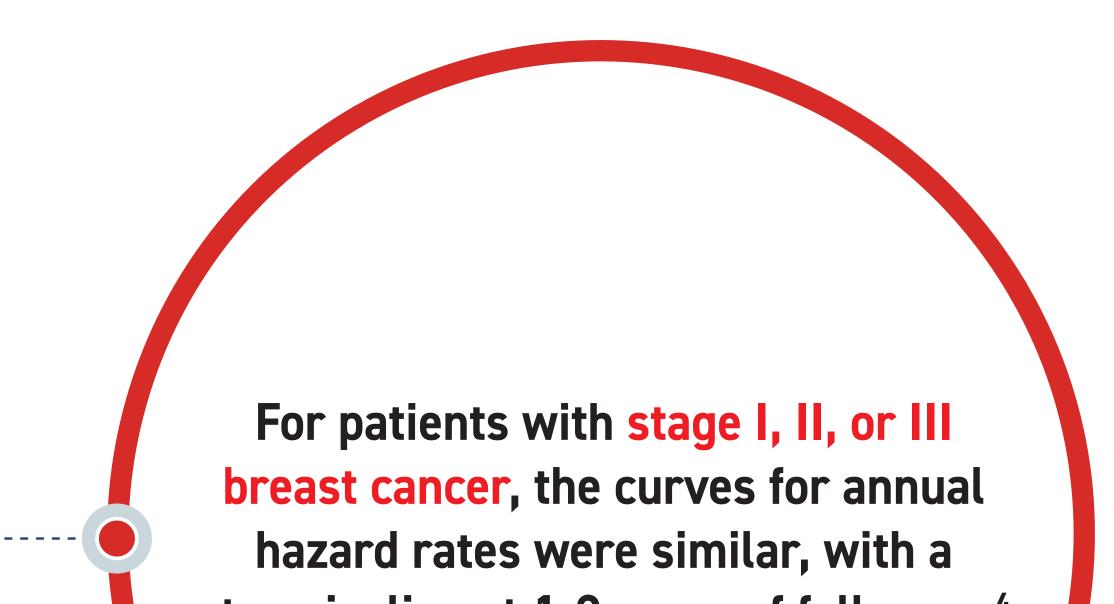
Grade 3Tumordiseasesize ≥5 cm

Risk of recurrence by tumor stage and nodal status

Regardless of disease stage (stage I, II, or III) or nodal status (≥4 ALNs or 1-3 ALNs), a peak in early recurrence was observed in all patients at 2 years after primary diagnosis^{4,5}

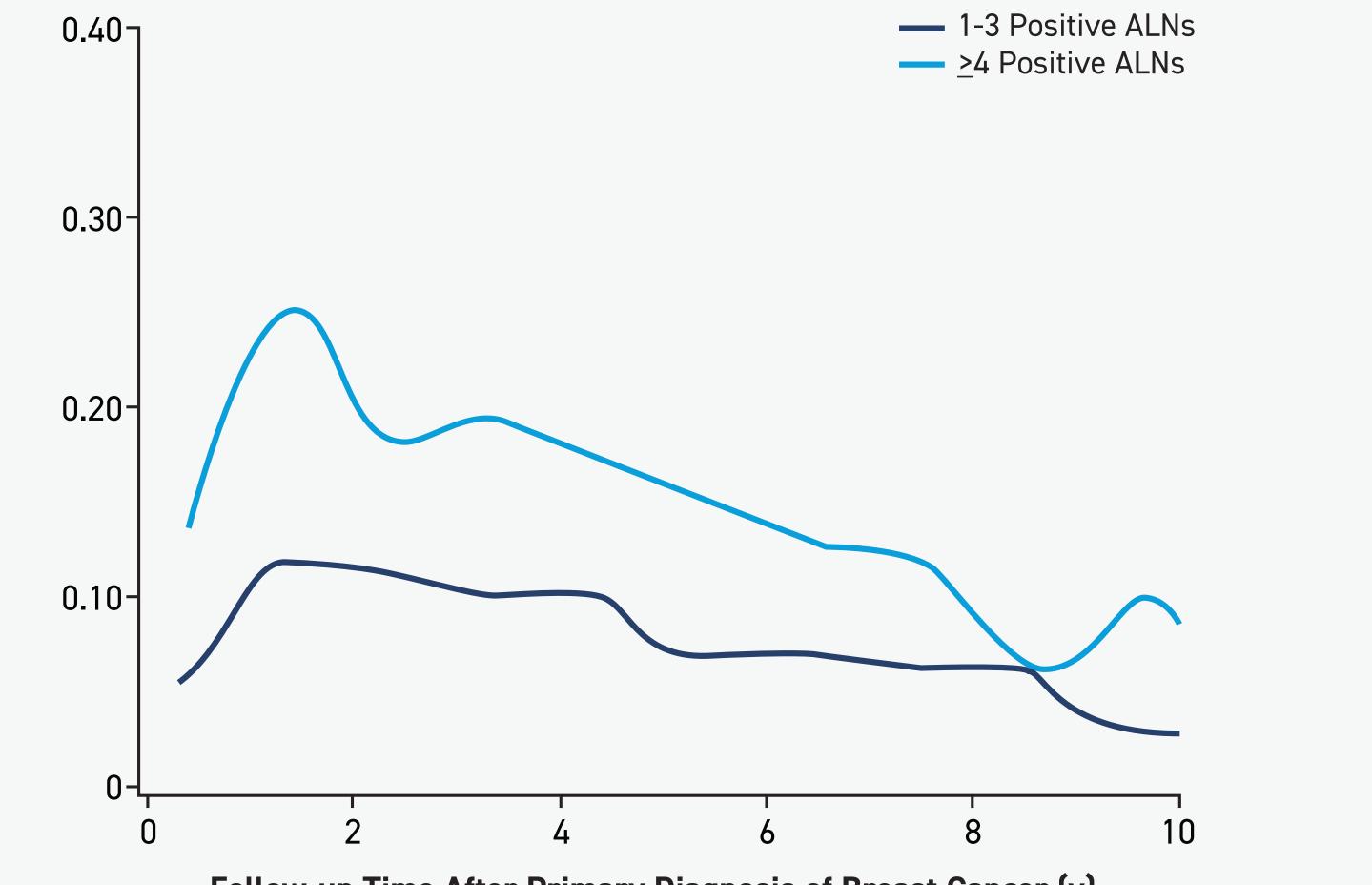


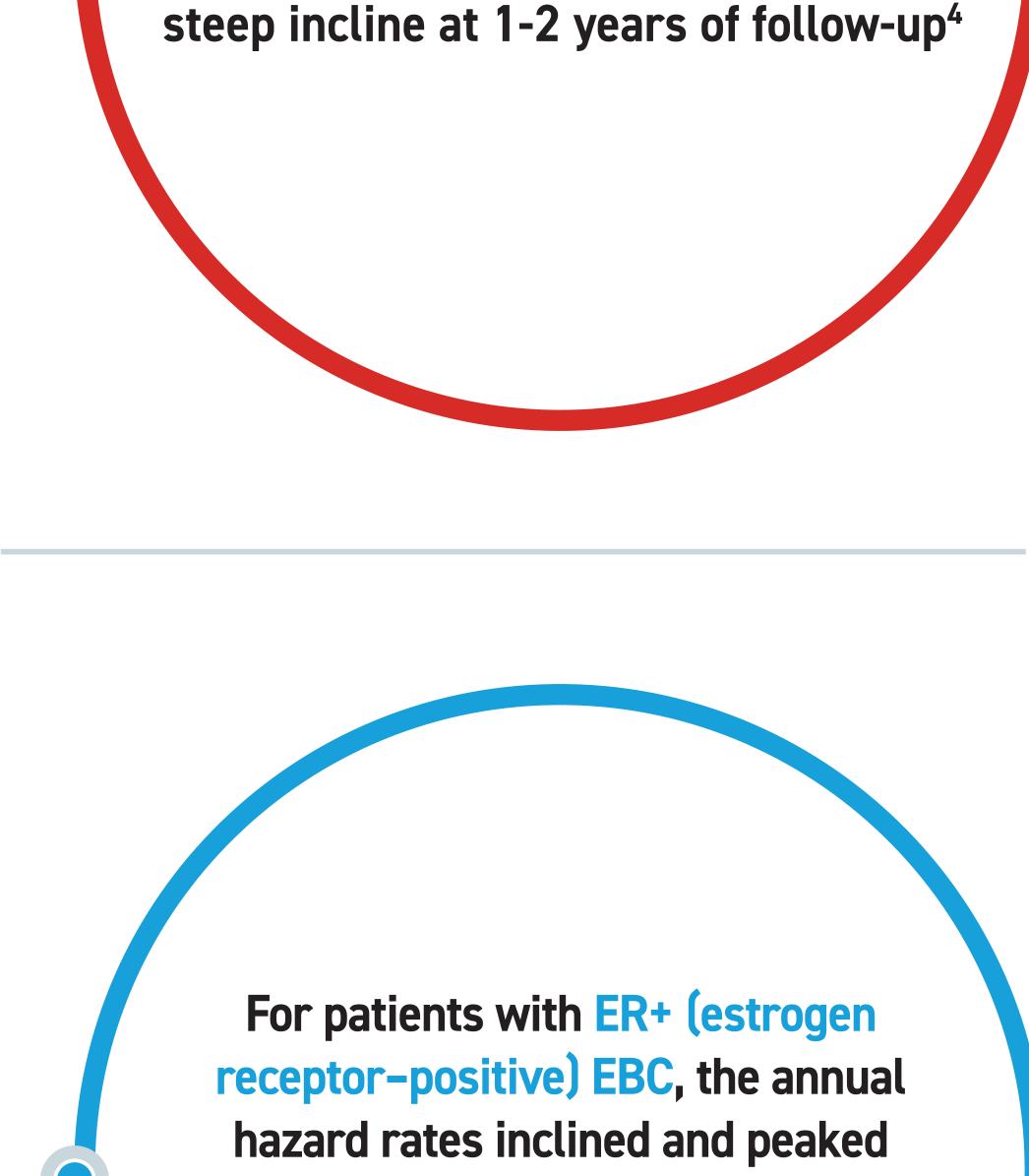












Follow-up Time After Primary Diagnosis of Breast Cancer (y)

^aER levels of 10 fmol/mg or greater of cytosol protein based on chemical assay were classified as positive.

between the 1-2 year mark for all patients with nodal involvement (≥4 ALNs and 1-3 ALNs)⁵

https://www.cancer.gov/publications/dictionaries/cancer-terms/def/recurrent-cancer. (Accessed March 29, 2023).
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Sheffield KM, et al. *Future Oncol.* 2022;18(21): 2667-2682.
Cheng L, et al. *Cancer Epidemiol Biomarkers Prev.* 2012;21(5):800-809.
Colleoni M, et al. *J Clin Oncol.* 2016;34(9):927-935.

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High-Risk, Early Breast Cancer:

Recurrence by Tumor Stage and Nodal Burden and the Importance of Quantifying Risk

Mortality rates of patients with HR+/HER2- EBC by clinical and pathological factors

Higher mortality rates have been observed in patients with HR+/HER2- EBC who have ≥ 4 positive ALNs, grade 3 tumors, and greater tumor size¹

5-Year Mortality Rate (%) in Patients With HR+/HER2- EBC (N=50,321)^a



Stage		12.56	Mortality rate doubles for patients with stage III vs those with stage II disease		
		26.41	those with stage II disease		
ALNs	1-3	12.93	Mortality rate nearly doubles for patients with ≥4 ALNs vs those with 1-3 ALNs		
	≥4	24.75	those with 1-3 ALNs		
Grade 3		25.62			

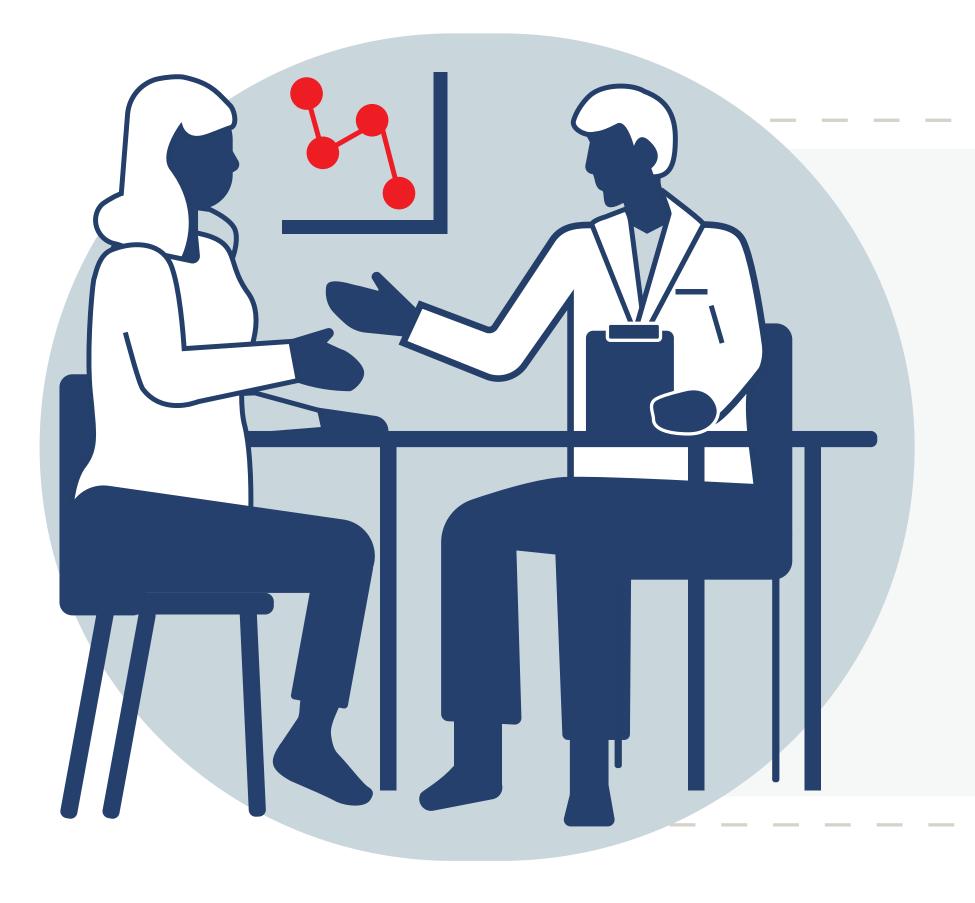
Tumor Size	≥2 cm to <3 cm	15.10		
	≥3 cm to <4 cm	21.22		
	≥4 cm to <5 cm	26.41		
	≥5 cm	28.67		

Other factors associated with higher mortality rates^{1,2}

Male sex | Aged ≥70 years | American Indian/Alaska Native (non-Hispanic) | Black (non-Hispanic)

^aBased on data from the Surveillance, Epidemiology, and End Results (SEER) Program 2010-2016; the American Joint Committee on Cancer (AJCC) defines T1 tumors as <2 cm, T2 tumors as <2

Quantifying risk of recurrence with patients



As health care providers, it is important to help our patients with breast cancer have a quantitative understanding of their risk of recurrence over the course of their treatment journey

Knowledge on disease prognosis may help patients adjust expectations, boost treatment adherence, and increase involvement in shared decision-making³

Brown J, et. al. Poster presented at: SABCS 2019. Poster P5-08-18.
Daly B, et al. JAMA. 2015;313(2):141-2.
Ciria-Suarez L, et al. Front Psychol. 2020;11:540083.

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