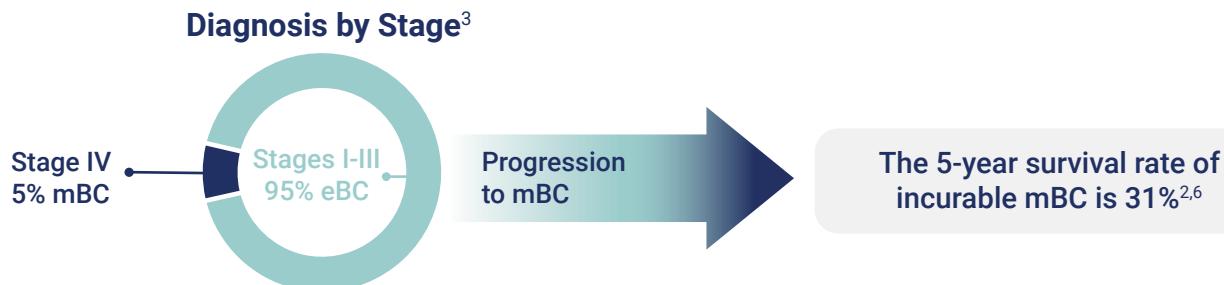


## Intending to Cure eBC by Preventing Recurrence Is the Overall Treatment Goal<sup>1,2</sup>



eBC constitutes most breast cancer cases, and **most recurrences** will be to metastatic disease, for which there is currently **no cure**.<sup>2-4</sup>

- For patients with HR+ eBC, recurrence can occur despite recommended adjuvant therapy<sup>5</sup>



~50% of women who **experience a recurrence** do so **within 5 years** of diagnosis<sup>7,8</sup>

## The Risk of Recurrence Persists Among Patients With HR+ Stage II/III eBC, Including Those With No to Low Nodal Involvement<sup>5,9-11</sup>

	Patient type	Risk of invasive disease, including risk of recurrence within 3 YEARS of diagnosis <sup>9,10,a</sup> (up to)	Risk of distant recurrence within 20 YEARS of diagnosis <sup>5,11,b</sup>
Risk by nodal status (stage II/III)	N0 (no nodal involvement)	11%	29%
	N1 (1–3 nodes)	13%	31%
	N2/N3 (4+ nodes)	21%	52% <sup>c</sup>
Risk by stage	Stage II	12%	27%–37%
	Stage III <sup>d</sup>	21%	46%–57%

The 3-year and 20-year data are not from a longitudinal study.

<sup>a</sup>3-year risk is based on the invasive disease–free survival outcomes of patients with HR+/HER2- eBC who received endocrine therapy alone in select cyclin-dependent kinase 4/6 inhibitor clinical trials.<sup>9,10</sup>

<sup>b</sup>20-year risk of distant recurrence is from a meta-analysis of 78 randomized trials in the Early Breast Cancer Trialists' Collaborative Group database of 74,194 women with estrogen receptor–positive breast cancer who had 5 years of scheduled endocrine therapy. Analysis included patients with T1/T2 disease and <10 involved nodes.<sup>5</sup>

<sup>c</sup>The 20-year rate listed is for N2 patients with 4–9 nodes.

<sup>d</sup>The 3-year rate listed for stage III includes some stage IIIB patients, due to differentiated data breakouts between trials.

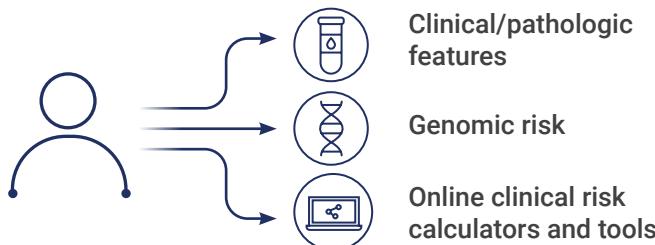


**The risk of recurrence can be underestimated in patients with no to low nodal involvement**

## Individualized Risk Assessments Can Guide Adjuvant Treatment Decisions in HR+/HER2- eBC<sup>12</sup>



Evaluating risk of recurrence for patients with eBC is complex and multifactorial<sup>13,14</sup>



## Understanding Each Patient's Individualized Risk of Recurrence



Clinical and pathologic features can provide prognostic value, but several studies have observed significant limitations when prognosis is based on these features alone<sup>15-17</sup>



Since 2007, HR+/HER2- eBC treatment decisions have been guided by the predictive and prognostic value of GEP assays<sup>12,17-19</sup>



Online risk calculators and tools may incorporate many key clinical and pathologic features. Some may also integrate genomic risk<sup>14,16</sup>

- Studies suggest that combining clinical and pathologic features with GEP assays may change the prognosis for some patients and improve risk estimates with narrower confidence intervals<sup>16,20-23</sup>
  - Appropriate risk assessment for N0 patients requires consideration beyond nodal status, encompassing factors that also play a role in risk of recurrence, like age, tumor size, and grade<sup>24</sup>



ASCO recommends incorporating age, menopausal status, and nodal status when considering GEP test result interpretation<sup>12</sup>

## Practical Considerations for Patient Management to Decrease Risk in HR+/HER2- eBC



- Appropriate risk assessment can help guide therapeutic selection, reducing overtreatment and identifying patients who can most benefit from therapy<sup>14,25-28</sup>
  - Consequently, appropriate therapy can reduce unnecessary therapy-related toxicity and patients' inappropriate risk perceptions, relieving patient anxiety<sup>14,25-28</sup>
- Effective doctor-patient communication is critical to patient understanding and perception of risk of distant recurrence<sup>27-29</sup>
  - About 33% of women reported that doctors discussed risk of recurrence "quite a bit" or "a lot," while 14% said "not at all"<sup>29</sup>



Establishing a comprehensive picture of each patient's risk of recurrence can help facilitate discussions on therapy choice and guide optimal care<sup>12,27-29</sup>



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ASCO, American Society of Clinical Oncology; GEP, gene expression profiling.

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