It's never been as clear

to identify node-positive patients who can safely be spared chemotherapy¹⁻⁷

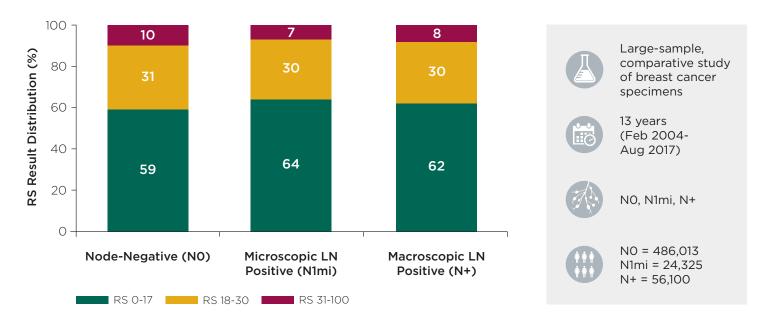
The
Oncotype DX® test:
Node-positive
results you can
count on

Node-positive patients may be overtreated

Node-positive patients are believed to have higher risk of distant recurrence and worse prognoses if not treated with chemotherapy.¹ However, evidence suggests a biological spectrum exists across patients with node-positive disease similar to patients with node-negative disease.²

Recurrence Score® result analysis by nodal status (N = 610,350)

The majority of patients with nodal metastases have Recurrence Score (RS) results 0-17²



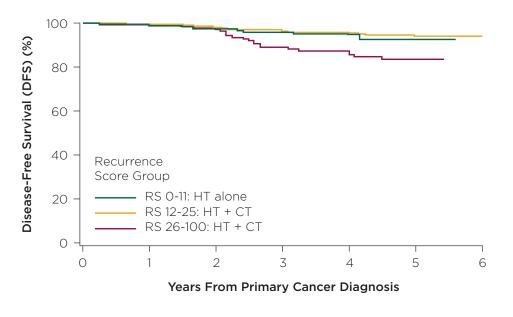
Nodal status does not predict tumor biology²—only the Oncotype DX Breast Recurrence Score[®] test can identify which node-positive patients will and will not benefit from chemotherapy³



WSG Plan B

>94% DFS at 5 years in patients with 1 to 3 positive nodes and Recurrence Score® results 0-11 treated with hormonal therapy alone4

DFS by Recurrence Score (RS) Group (1-3 LN)



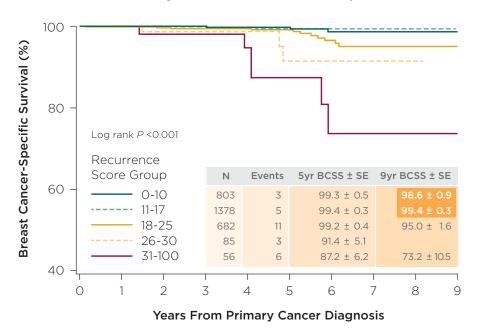


WSG Plan B trial demonstrated Level 1A evidence¹

SEER Registry

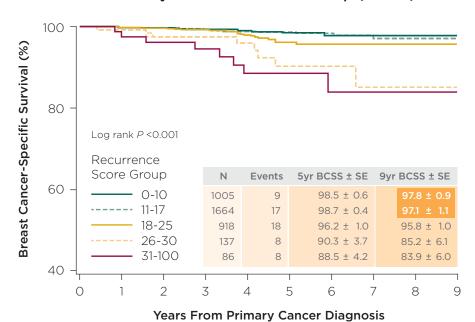
>97% BCSS at 9 years without chemotherapy in patients with micrometastases or 1 to 3 positive nodes and Recurrence Score® results O-17⁵

BCSS by Recurrence Score Group (N1mi)





BCSS by Recurrence Score Group (1-3 LN)



^{*44.1%} of N1mi patients were ≤50 years old. Data on file.

^{†54.3%} of 1-3 LN patients were ≤50 years old. Data on file.

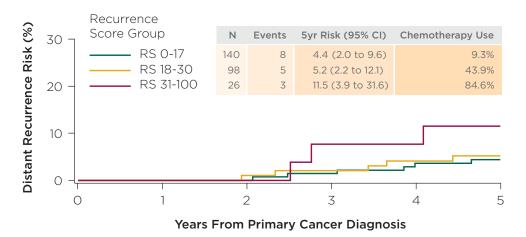
Clalit Registry

Patients with Recurrence Score® (RS) results 0-17 and micrometastases or 1 to 3 positive nodes have excellent 5-year outcomes⁶

DR by Recurrence Score Group (N1mi)

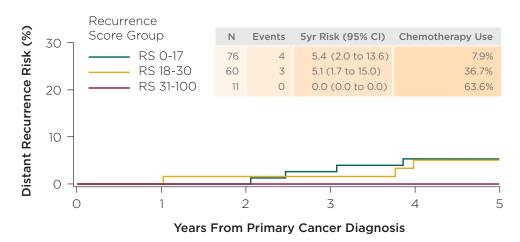
n = 298	RS 0-17 (n = 163)	RS 18-30 (n = 100)	RS 31-100 (n = 35)
5-yr DR	1.2%	8.1%	26.4%
(95% CI)	(0.3%, 4.8%)	(4.1%, 15.6%)	(14.6%, 44.7%)

DR by Recurrence Score Group (1 LN)



Real-life, prospective, observational Israeli health service registry >5-year outcomes N1mi, 1 LN, 2-3 LN N1mi* = 298 1 LN* = 264 2-3 LN* = 147

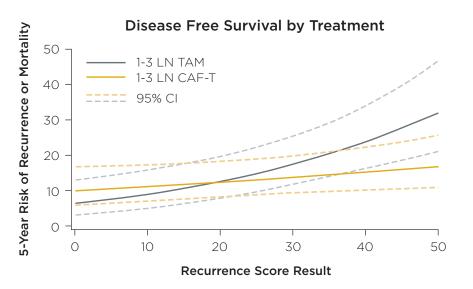
DR by Recurrence Score Group (2-3 LN)



Identifies which node-positive patients will and will not benefit from chemotherapy³

SWOG 8814

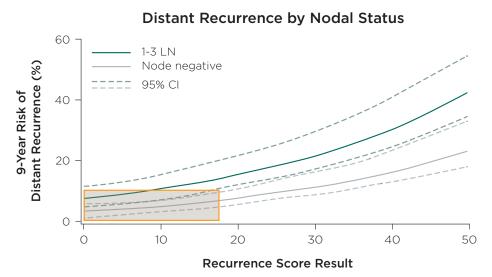
Recurrence Score® (RS) results 0-17 indicate no benefit from chemotherapy; RS results 31-100 indicate chemotherapy benefit³*



Phase 3, open-label, parallel-group, randomized controlled clinical trial 5-year outcomes 1-3 LN 1-3 LN = 227

TransATAC

Patients with Recurrence Score results 0-17 and 1 to 3 positive nodes have a similar prognosis to patients with node-negative disease⁷





^{*}Chemotherapy benefit in addition to endocrine therapy.

The only multigene assay proven to predict chemotherapy benefit, regardless of nodal status

The 21-gene test has been incorporated into major clinical practice guidelines worldwide8-14

NCCN Guidelines®

- Preferred for patients with HR+, node-negative disease, backed by Level 1 evidence⁸
- Strongly considered for patients with HR+, nodenegative, HER2- disease and tumors >0.5 cm⁸
- Patients with HR+, 1-3 positive lymph nodes, and Recurrence Score results 18-100 should be considered for adjuvant chemotherapy in addition to endocrine therapy⁹

Only the Oncotype DX Breast Recurrence Score test is:

STANDARD OF CARE with **prospective** outcomes in over 96,000 patients^{4-6,15-17}—including over 12,000 node-positive patients^{4-6*}

PROVEN

to be predictive of chemotherapy benefit in both **node-positive** and node-negative patients^{3,18}

VALIDATED

in multiple studies with **consistent results** (Level 1 evidence for risk of distant recurrence and prediction of chemotherapy benefit)^{3,18}

Oncotype DX® tests for breast, colon, and prostate cancers have helped over 1 million patients make more informed treatment choices.¹9

Order the Oncotype DX® test for your eligible node-positive and node-negative patients

HER2 = human epidermal growth factor receptor 2; HR = hormone receptor.

References: 1. Mamounas et al. npj Breast Cancer. 2018. 2. Bello et al. Ann Surg Oncol. 2018. 3. Albain et al. Lancet Oncol. 2010. 4. Nitz et al. Breast Cancer Res Treat. 2017. 5. Hortobagyi et al. SABCS 2018. 6. Stemmer et al. npj Breast Cancer. 2017;3:32. 7. Dowsett et al. J Clin Oncol. 2010. 8. Telli et al. J Natl Compr Cancer Ntwk. 2019. 9. NCCN Clinical Practice Guidelines in Oncology (NCCN Guidelines*): Breast Cancer. V1.2019. 10. Senkus et al. Ann Oncol. 2015. 11. Harris et al. J Clin Oncol. 2016. 12. Coates et al. N Engl J Med. 2015. 13. NICE diagnostic guidelines. Published December 2018. 14. Andre et al. J Clin Oncol. 2019. 15. Stemmer et al. npj Breast Cancer. 2017;3:33. 16. Sparano et al. N Engl J Med. 2018. 17. Sparano et al. N Engl J Med. 2015. 18. Paik et al. J Clin Oncol. 2006. 19. Data on file, Genomic Health, Inc.

Oncotype DX, Oncotype DX Breast Recurrence Score, Oncotype IQ, and Recurrence Score are trademarks of Genomic Health, Inc. All other trademarks are the properties of their respective owners.

National Comprehensive Care Network, NCCN, and NCCN Guidelines are trademarks of the National Comprehensive Cancer Network. NCCN makes no warranties of any kind whatsoever regarding their content, use or application and disclaims any responsibility for their application or use in any way.

© 2019 Genomic Health, Inc. All rights reserved. GHI10985_0719





^{*}Includes patients with micrometastases (N1mi).