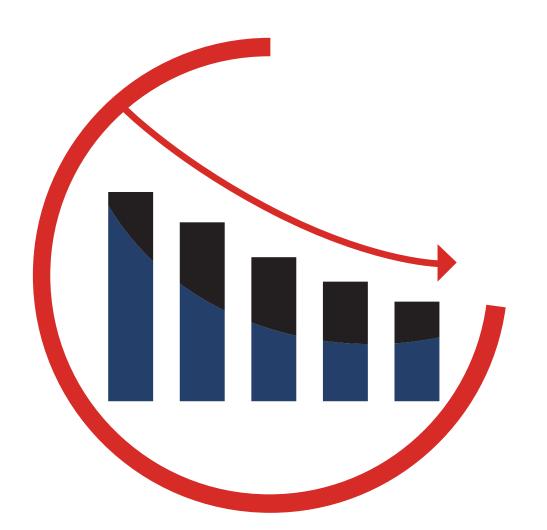
High-Risk, Early Breast Cancer:

The Importance of Surrogate Endpoints for Adjuvant Breast Cancer Clinical Trials: IDFS and DRFS

Patients with early breast cancer (EBC) are treated with curative intent¹

With access to more treatment options, mortality risk in patients with breast cancer has been significantly reduced²⁻⁴

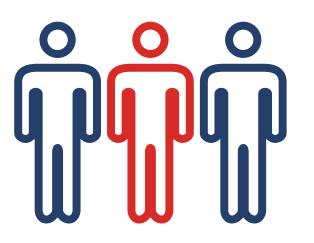


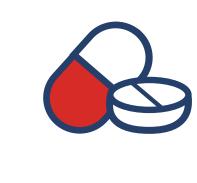
For this reason, it is not practical to rely on overall survival (OS) in adjuvant breast cancer clinical trials, as it can take decades before OS is reliably measured⁵

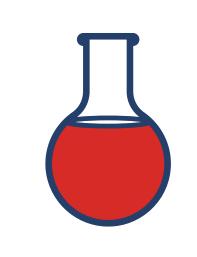
Defining surrogate endpoints

To observe efficacy outcomes for patients with **EBC**, it has become essential to define surrogate endpoints for OS. This is especially crucial in the adjuvant setting⁵

To ensure the use of standardized endpoints, careful consideration should be taken across the clinical trial lifecycle:5









Before trial initiation

During the trial

At analysis

At publication

Through the development of the Standardized Definitions for Efficacy End Points (STEEP) system and other global initiatives, time-to-event endpoints have been largely standardized to mitigate inconsistencies in endpoint definitions that may confound interpretation of clinical trial results^{2,5}

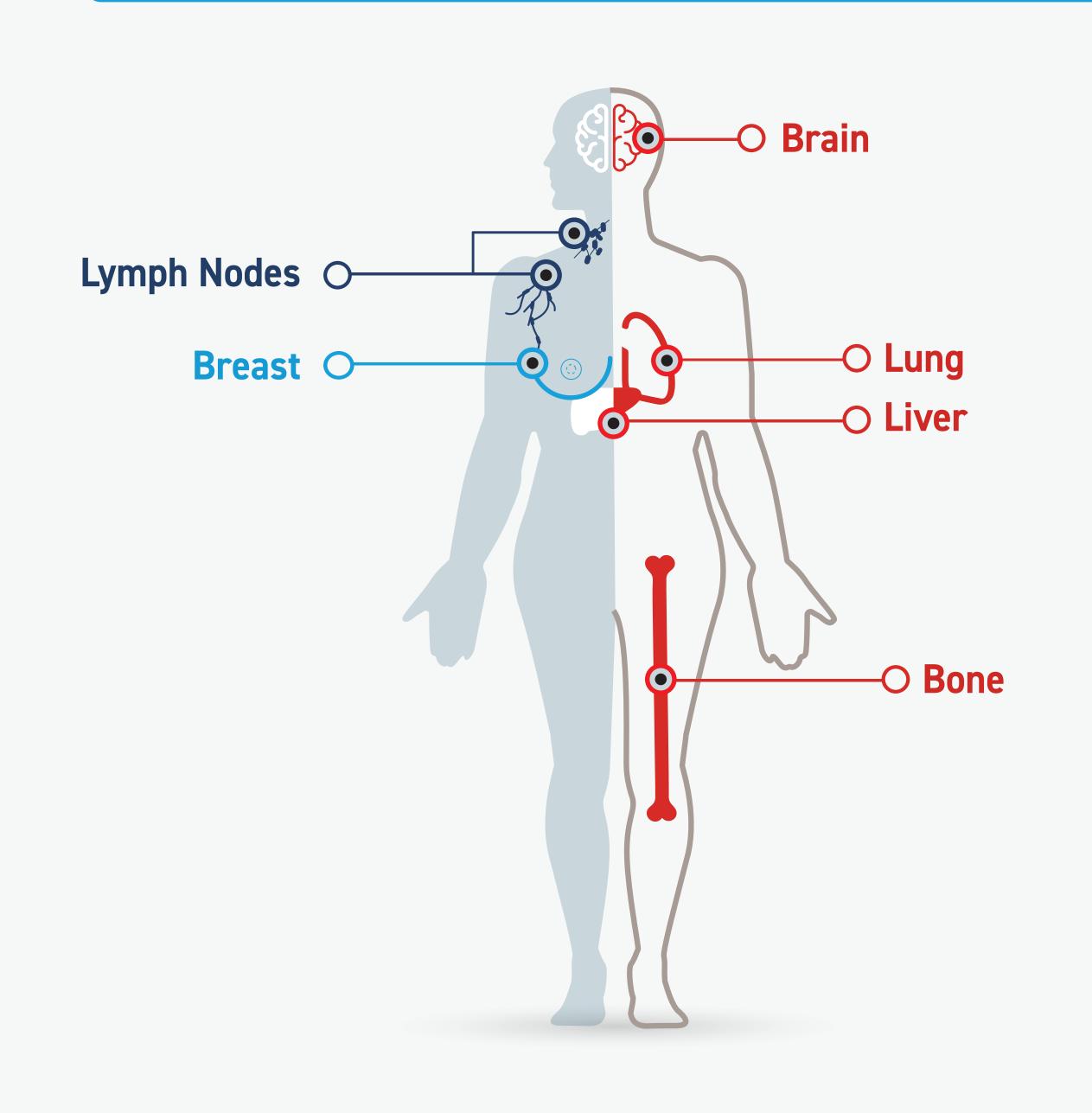
Invasive disease-free survival (IDFS) and distant relapse-free survival (DRFS) are surrogate endpoints for OS^{5,6}

IDFS is a composite endpoint that includes local, regional, and distant recurrence. **DRFS** emphasizes distant recurrence, or metastasis in a vital organ

Local recurrence

Regional recurrence

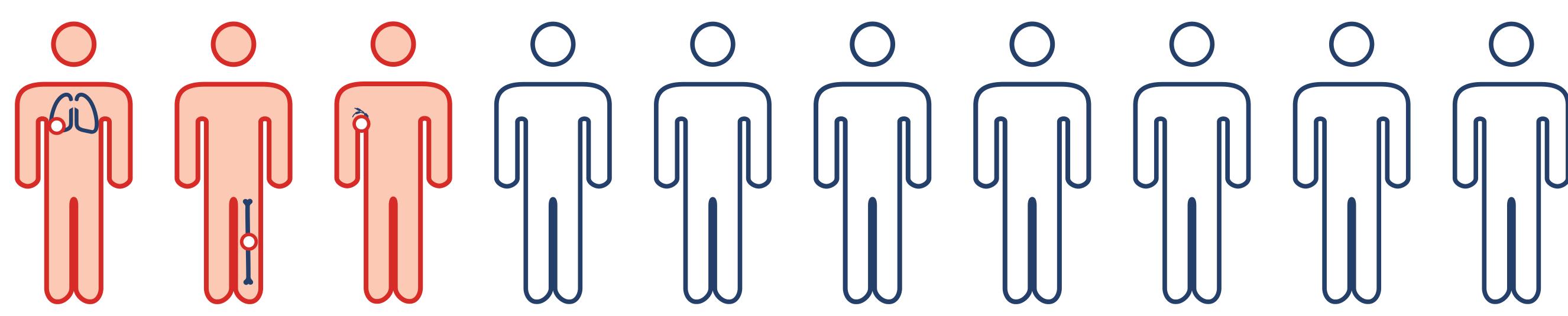
Distant recurrence



Recurrence of breast cancer can be local, regional, or distant. Risk of recurrence peaks early in patients at ~2 years after primary diagnosis 7,8

Implications for patients with high-risk disease

Because ~30% of patients with high-risk, hormone receptor-positive (HR+)/HER2-negative (HER2-) EBC experience disease recurrence in 5 years, IDFS and DRFS are very meaningful clinical endpoints



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IDFS and DRFS: Composite Endpoints Used in Adjuvant Breast Cancer Clinical Trials^{1,2}

Both IDFS and DRFS are standardized, clinically meaningful endpoints in adjuvant breast cancer clinical trials^{1,2}

Endpoint	Local Invasive Recurrence	Regional Invasive Recurrence	Distant Recurrence	Death of Any Cause	Invasive Ipsilateral Breast Tumor Recurrence	Invasive Contralateral Breast Cancer	DCISa	Second Primary Nonbreast Invasive Cancer
IDFS								
DRFS								

^aIncludes both ipsilateral and contralateral DCIS. DCIS, ductal carcinoma in situ.

Preventing breast cancer recurrence



As healthcare providers, we want to prevent breast cancer recurrence. Improvement in IDFS or DRFS means fewer recurrences and fewer instances of incurable metastatic disease, which are critically important to us in practice