# How to win in the evolving early-stage NSCLC landscape

Cerner Enviza an Oracle company



## of patients will experience recurrence following surgery

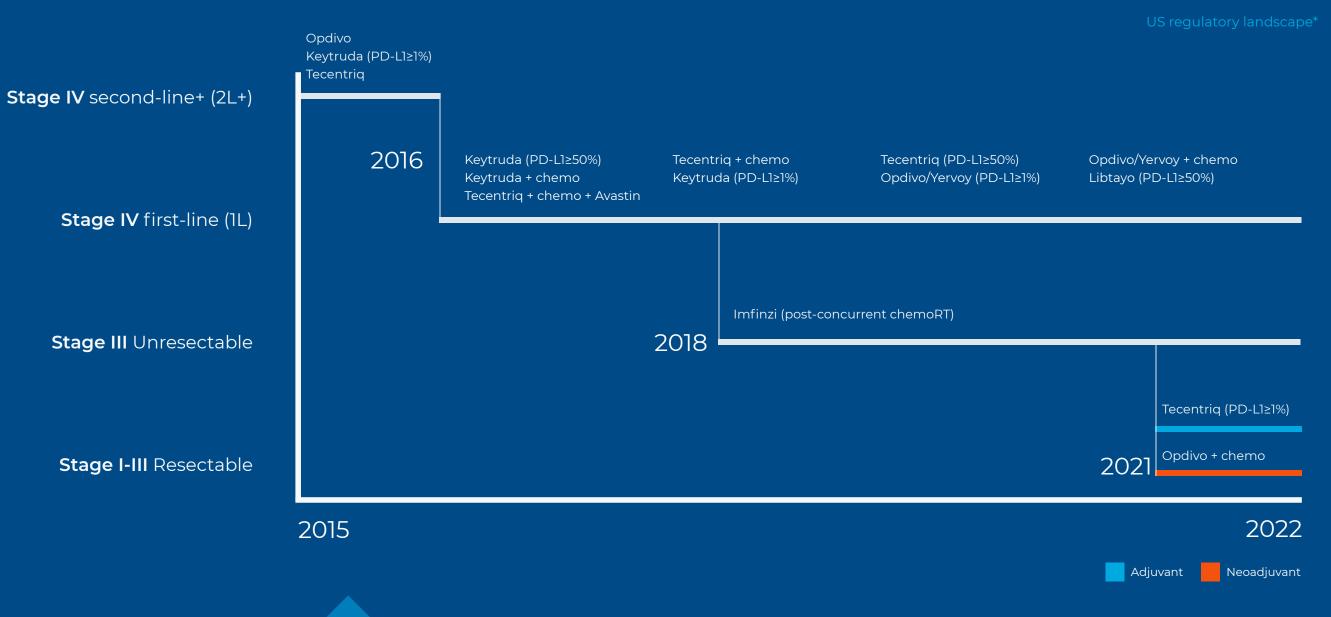
Adoption in the resectable setting will be high due to high unmet need for better treatments

Sasaki et al. Oncol Lett. (2014)

## CPI seeking new horizons in resectable disease

### Checkpoint inhibitors (CPI) seek new horizons in resectable NSCLC (non-driver)

Following the clinical and commercial success of the anti-PD-(L)1 class in the unresectable and metastatic settings, immunotherapy (IO) is moving to early-stage disease with the aim of improving resectability and reducing post-surgical recurrence <sup>2</sup>



#### Adoption in the resectable setting

When success in metastatic/
unresectable setting is combined
with an unmet need, it results
in a high anticipated
adoption rate.

Data derived from CancerMPact® modules:

2 Treatment Architecture (2022)





#### **Limited differentiation**

There are multiple studies investigating the same treatment intervention approach



## Crowded competitive landscape

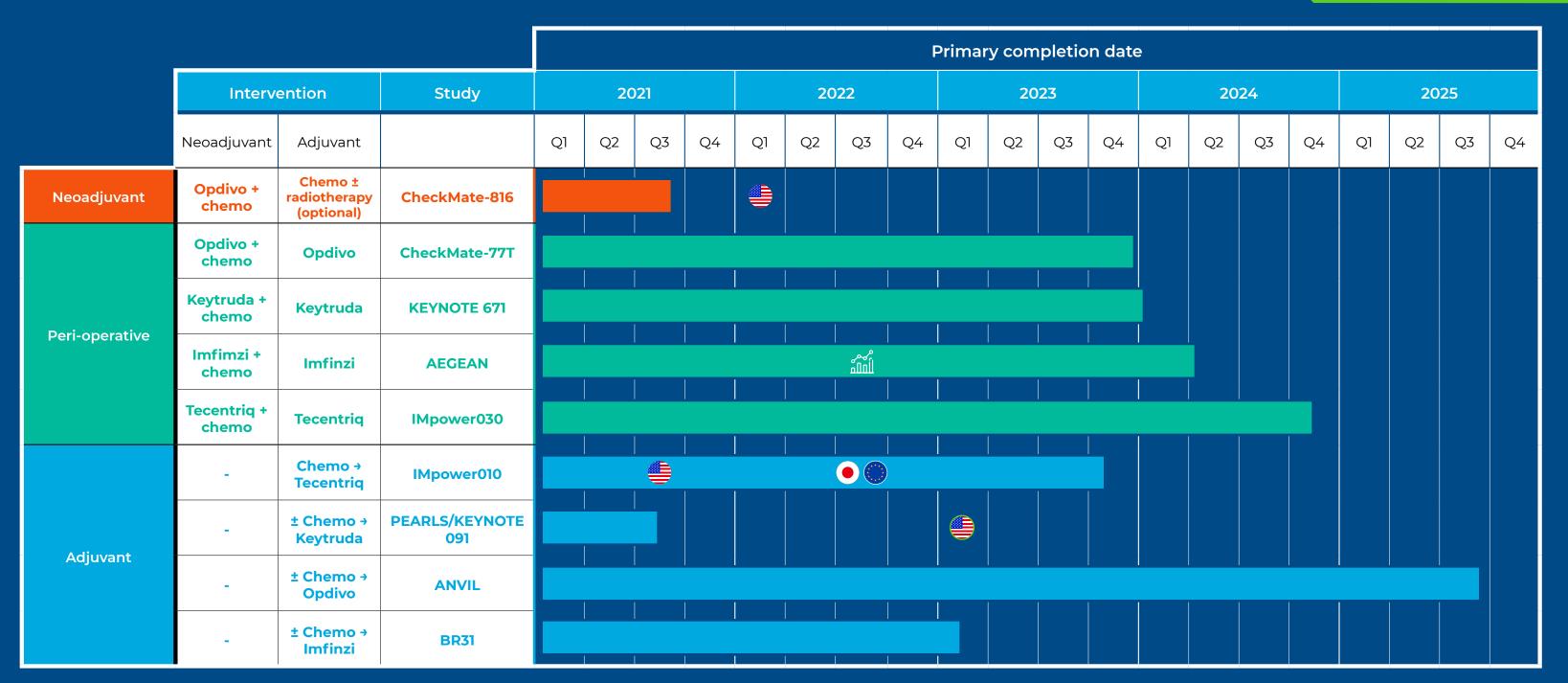
Many studies investigating same-class anti PD-(L)1 drugs are expected to read out within the next three years <sup>2,3</sup>



First global approvals highlight the risk of label restrictions

The risk of label restrictions by PD-L1 expression open the opportunity for differentiation across products and settings Pivotal trial landscape in resectable NSCLC (driver mutation negative) <sup>2,3</sup>





Data available Approval by geography

Regulatory decision target date

#### Regional differences in label restrictions for anti-PD-(L)1 in NSCLC <sup>2,3</sup>



Stage IV metastatic	Stage III unresectable	Adjuvant	Neoadjuvant
Keytruda (1L)	Imfinzi (consolidation)	Tecentriq	Opdivo + chemo
≥ 1%	All comers	≥ 1%	All comers
≥ 1%	All comers	≥ 1%	To be determined
≥ 50%	≥ 1%	≥ 50%	To be determined

Data derived from CancerMPact® module



<sup>2</sup> Treatment Architecture (2022



· 3 Future Trends and Insights (2022)



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All analysis are current as of October 25, 2022

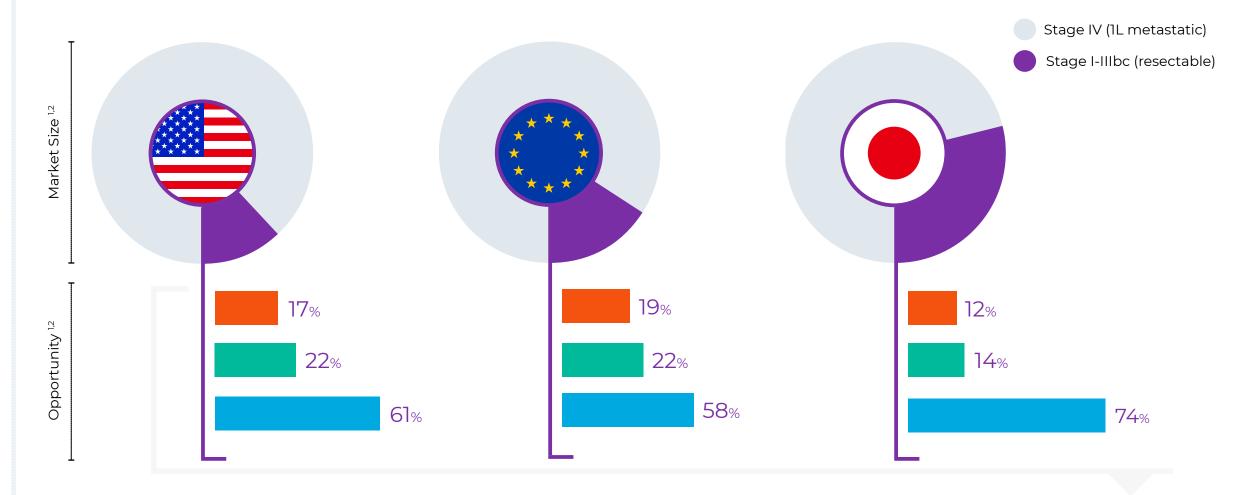


### The key to winning resectable NSCLC



Understanding the global challenges and opportunities with a smaller market size than metastatic disease

The market size (treated patients) for resectable disease is significantly smaller than for metastatic disease



Data derived from CancerMPact® modules:

Neoadjuvant Peri-operative Adjuvant

<sup>2</sup> Treatment Architecture (2022)



## Global differences in management of resectable disease

In clinical practice, the standard of care management of resectable disease may vary across regions and pose different opportunities for each particular approach

## Clinical and commercial profile of interventions in resectable disease

The differentiated clinical and commercial profile of each approach has strategic implications that may be leveraged in each market



				Positive differentiator (driver)	
				Neutral differentiator	
	Neoadjuvant	Peri- operative	Adjuvant	Negative differentiator (barrier)	
Tumor immunological priming				Presence of original tumor biomass may allow a more efficient priming of immune cells and treat micrometastasis earlier	
Tumor downstaging and downsizing				Potential increase of resectability and achievability of negative margins	
Biological assessment				Pathological surrogates (e.g., pathologic complete response (pCR), major pathological response (MPR)) of survival may enable innovative pay-per-performance	
Risk of surgery delay				Risk of disease progression or developing adverse events after neoadjuvant therapy that can delay/prevent subsequent surgery	
Cost to payers				Cost of therapeutic intervention, including drugs and disease management, to payers	
Ease of implementation				Ability to incorporate in clinical practice based on current disease management frameworks	

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#### Critical factors of commercial success



Regulatory restrictions, timing of market entry, brand identity, and product differentiation will determine uptake





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#### TIMING OF MARKET ENTRY



With limited product differentiation, first approvals may gain strategic advantage in a historically "first-come first-serve" market



#### **BRAND IDENTITY**

or metastatic NSCLC



Understanding impact of and seizing opportunities created by regulatory label restrictions



#### SECURING REIMBURSEMENT



Leveraging surrogate survival endpoints (e.g., pathological complete response (pCR), major pathological response (MPR)) may enable pay-per-performance models



#### STRENGTH OF CLINICAL DATA



Generating evidence in clinical studies and subgroup analyses will be key to position products and approaches in resectable disease



#### PRODUCT DIFFERENTIATORS



Leveraging product differentiation (e.g., favorable dosing schedules) and innovation (e.g., subcutaneous/ oral formulation) may foster stakeholder preference and drive uptake



#### **IDENTIFYING AT-RISK POPULATION**

**REGULATORY RESTRICTIONS** 



Exploring biomarker approaches (e,g., minimal residual disease (MRD), circulating tumor DNA (ctDNA)) that may guide treatment decisions post-surgery, hence enabling ways to justify reimbursement



#### **UNDERSTANDING MARKET & PRACTICE DYNAMICS**



Analyzing drivers and barriers that can influence uptake of each product and approach in each region

## Adapting to an evolving clinical landscape

Fostered by the introduction of IO in resectable disease, understanding how IO naïve and IO progressors fit within a new treatment paradigm that enables exposure to IO agents in resectable disease will be key to seizing opportunities in an evolving clinical landscape



#### Pipeline products for IO naïve resectable NSCLC

Exploring next-generation IO products that synergize with anti-PD-(L)1 agents in resectable disease in IO naïve patients



#### Pipeline products for IO progressors

Understanding how approaches currently investigated only in refractory metastatic NSCLC in IO progressors may have an opportunity in earlier lines of therapy (e.g., 1L)



#### New studies in 1L metastatic NSCLC

Including a representative sample of IO-exposed patients in new studies for 1L, as IO may become standard of care in resectable disease

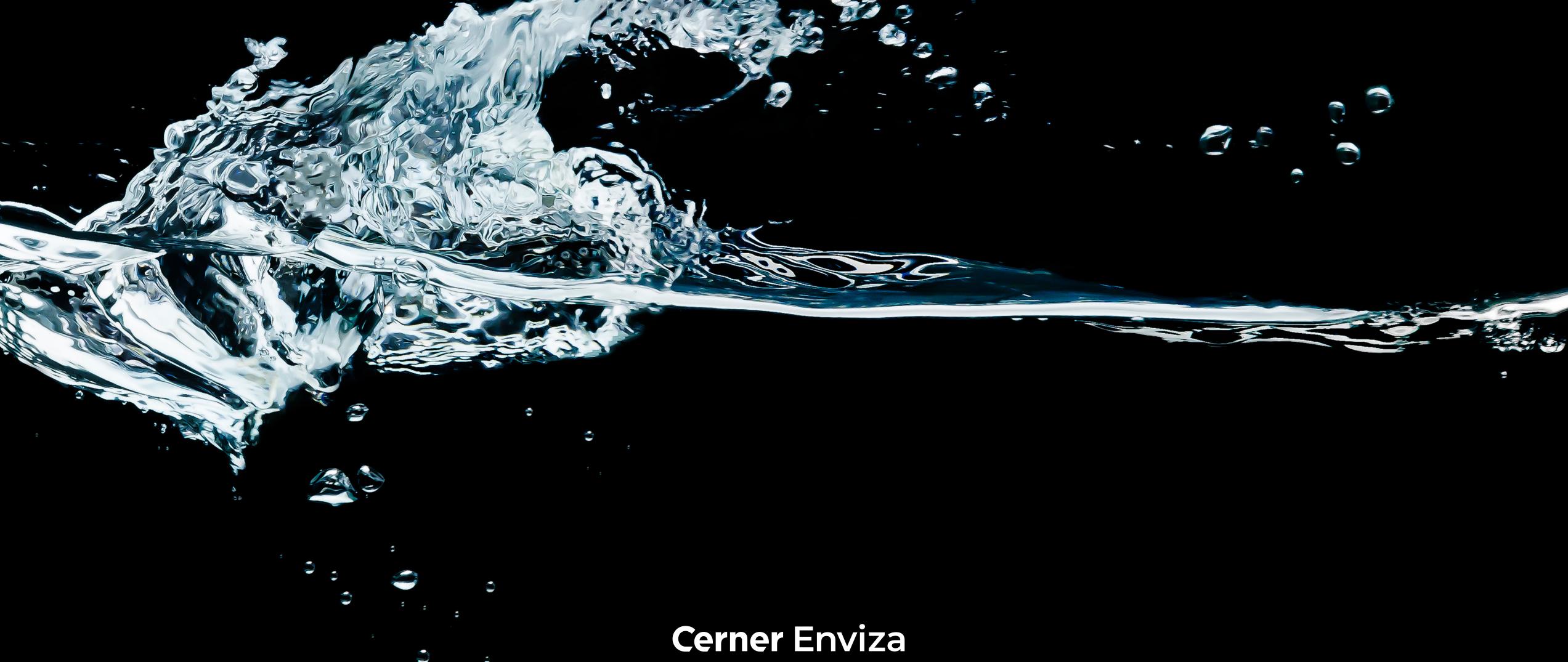


#### Marketed products

Adapting to shifts in SOC that occur earlier in the treatment paradigm by generating RWE in IO progressors across different lines of therapy



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