DARWIN EU® Overall survival in patients with locally advanced or metastatic nonsmall cell lung cancer treated with selected immunotherapies as first line of treatment

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Administrative details

EU PAS number
EUPAS100000112
Study ID
Study ID
1000000112
DARWIN EU® study
Yes
Study countries
France
Netherlands
Spain

Study description

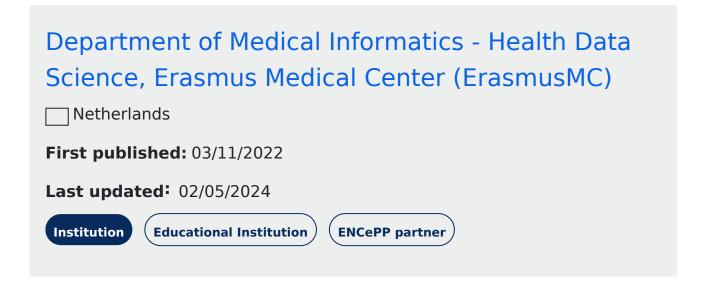
Comparative Effectiveness Study

Study status

Ongoing

Research institutions and networks

Institutions





Parc de Salut Mar Barcelona (PSMAR)
Spain
First published: 01/02/2024
Last updated: 01/02/2024
Institution Hospital/Clinic/Other health care facility

Networks

Data Analysis and Real World Interrogation Network
(DARWIN EU®)
Belgium
Croatia
Denmark
Estonia
Finland
France
Germany
Greece
Hungary
Italy
☐ Netherlands
Norway
Portugal
Spain
Sweden

United Kingdom

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Contact details

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Primary lead investigator

Talita Duarte-Salles

Primary lead investigator

Study timelines

Date when funding contract was signed

Planned: 26/06/2023

Actual: 26/06/2023

Study start date

Planned: 29/02/2024

Actual: 26/03/2024

Date of interim report, if expected

Planned: 28/06/2024

Date of final study report

Planned: 07/03/2025

Sources of funding

EMA

Study protocol

DARWIN EU D2.2.3 Protocol P2-C3-003 NSCLC v3.2 Clean.pdf(884.56 KB)

DARWIN EU Protocol P2-C3-003 NSCLC V5 Amendment.pdf(1014.16 KB)

Regulatory

Was the study required by a regulatory body?

Yes

Is the study required by a Risk Management Plan (RMP)?

Not applicable

Methodological aspects

Study type

Study type list

Study type:

Non-interventional study

Data collection methods:

Secondary use of data

Study design:

New user matched cohort study.

Main study objective:

The overall aim of this study is to assess the overall survival of patients with locally advanced or metastatic NSCLC who initiate first-line treatment with selected immunotherapies (pembrolizumab, atezolizumab, cemiplimab, nivolumab, durvalumab, and ipilimumab) and how it compares to the survival of locally advanced or metastatic NSCLC patients treated with chemotherapies as first line.

Study Design

Non-interventional study design

Cohort

Study drug and medical condition

Name of medicine

IMFINZI

KEYTRUDA

LIBTAYO

OPDIVO

TECENTRIQ

YERVOY

Name of medicine, other

o Chemotherapies (cisplatin, carboplatin, pemetrexed, paclitaxel, docetaxel, gemcitabine, and vinorelbine)

given as monotherapy or in combination (as per the label) and as first line of treatment.

Study drug International non-proprietary name (INN) or common name

ATEZOLIZUMAB

CARBOPLATIN

CEMIPLIMAB

CISPLATIN

DOCETAXEL

DURVALUMAB

IPILIMUMAB

NIVOLUMAB

PACLITAXEL

PEMBROLIZUMAB

PEMETREXED

Anatomical Therapeutic Chemical (ATC) code

(L01BA04) pemetrexed

pemetrexed

(L01BC05) gemcitabine

gemcitabine

(L01CA04) vinorelbine

vinorelbine

(L01CD01) paclitaxel

paclitaxel

(L01CD02) docetaxel

docetaxel

(L01FF01) nivolumab

nivolumab

(L01FF02) pembrolizumab

pembrolizumab

(L01XA01) cisplatin

cisplatin

(L01XA02) carboplatin

carboplatin

(L01FX04) ipilimumab

ipilimumab

(L01FF03) durvalumab

durvalumab

(L01FF05) atezolizumab

atezolizumab

(L01FF06) cemiplimab

cemiplimab

Medical condition to be studied

Non-small cell lung cancer metastatic

Non-small cell lung cancer

Non-small cell lung cancer stage IIIA

Non-small cell lung cancer stage III

Non-small cell lung cancer stage IIIB

Population studied

Short description of the study population

Patients with locally advanced or metastatic NSCLC.

Age groups

Adults (18 to < 65 years)

Adults (18 to < 46 years)

Adults (46 to < 65 years)

Study design details

Data analysis plan

All analyses will be conducted separately for each database, and will be carried out in a federated manner, allowing analyses to be run locally without sharing patient-level data.

First, we will run cohort diagnostics to evaluate data availability and data quality in terms of identification of locally advanced or metastatic NSCLC as well as recording of cancer treatments of interest.

Before sharing the study package, test runs of the analytics will be performed on a subset of the data sources and quality control checks will be performed. After all the tests are passed (see section 10 Quality Control), the final package will be released in a version-controlled study repository for execution against all the participating data sources.

Data partners will locally execute the analytics against the OMOP-CDM in R Studio and review and approve the default aggregated results. They will then be made available to the Principal Investigators and study team in secure online repository (Data Transfer Zone). All results will be locked and timestamped for reproducibility and transparency.

All analyses will be reported by database, overall and stratified by age and sex when possible (minimum cell count reached). Results from objective 1 will

further be stratified by calendar year.

Documents

Study report

DARWIN EU_Final Report_P2-C3-003_NSCLC_V5.pdf(2.84 MB)

Data management

ENCePP Seal

The use of the ENCePP Seal has been discontinued since February 2025.

The ENCePP Seal fields are retained in the display mode for transparency but are no longer maintained.

Data sources

Data source(s)

Clinical Data Warehouse of the Bordeaux University Hospital Institut Municipal d'Assistència Sanitària Information System Netherlands Cancer Registry

Use of a Common Data Model (CDM)

CDM mapping

Yes

CDM Mappings

CDM name	
OMOP	
CDM website	
https://www.ohdsi.org/Data-standardization/	
Data quality specifications	
Check conformance	
Unknown	
Chack completeness	
Check completeness	
Unknown	
Check stability	
Unknown	
Check logical consistency	
Unknown	
Data characterisation	
Data characterisation conducted	
Unknown	