

Article details



Title of article

I-O Optimise: A novel multinational real-world research platform in thoracic malignancies



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Associate website

www.io-optimise.com

Rationale & objective



Rationale

The increasing pace of change in the lung cancer treatment landscape highlights the need for ongoing rapid insights from routine clinical practice that can inform clinical and reimbursement decisions



Objective

I-O Optimise is an ongoing collaborative initiative aimed at developing a multinational research platform that will leverage existing real-world data sources to provide continuous insights into the evolving lung cancer treatment landscape

Overarching research topics



- Epidemiology and clinical outcomes
- Treatment patterns
- Safety
- Healthcare resource utilization
- Patient-reported outcomes

Methodology flow

1. Data source identification and selection



Based on:

- Geography
- Catchment area
- Disease coverage
- Incidence
- Research experience

2. Initial assessment



Based on:

- Ability to address research objectives
- Population coverage and representativeness
- Ability to link to other data sources
- Level of engagement

3. Full assessment



In-depth qualitative, quantitative and operational assessments

Current status (as of 31 October 2018)

7

Data sources completed full assessment and onboarded



Data from >45,000 patients with non-small cell lung cancer, small cell lung cancer and mesothelioma per year



Sites across Denmark, Norway, Portugal, Spain, Sweden and the UK



Broad spread of variables captured (clinical characteristics at baseline and over time, patterns of treatment used, clinical outcomes)



Variety of data source types (registry data alone, linked electronic medical record and registry data, hospital electronic medical record data alone, and data recorded in an electronic case report form) and practice coverage (single hospital, all public hospitals in one region, multiple hospitals across a country, and national registries)



Far-reaching data capture (from 2005 up to the present day)