

Evidence Map of Cost-Utility Studies in Non-Small Cell Lung Cancer.



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Objectives:

To create an evidence map of cost-utility studies in non-small cell lung cancer, and identify the geographical settings and interventions used.

Methods:

The heoro.com database indexes publications available on PubMed according to several ontologies.

Using the **Disease**, **Study Type** and **Model Type** filters in heoro.com we identified all cost-utility studies published between 1960 and 2017 for patients with non-small cell lung cancer.

- These papers were indexed according to pre-specified categories.

Results:

Heoro.com identified 89 independent publications, published between 1995 and 2017.

The results below display some of the patterns identified by the Evidence Map.

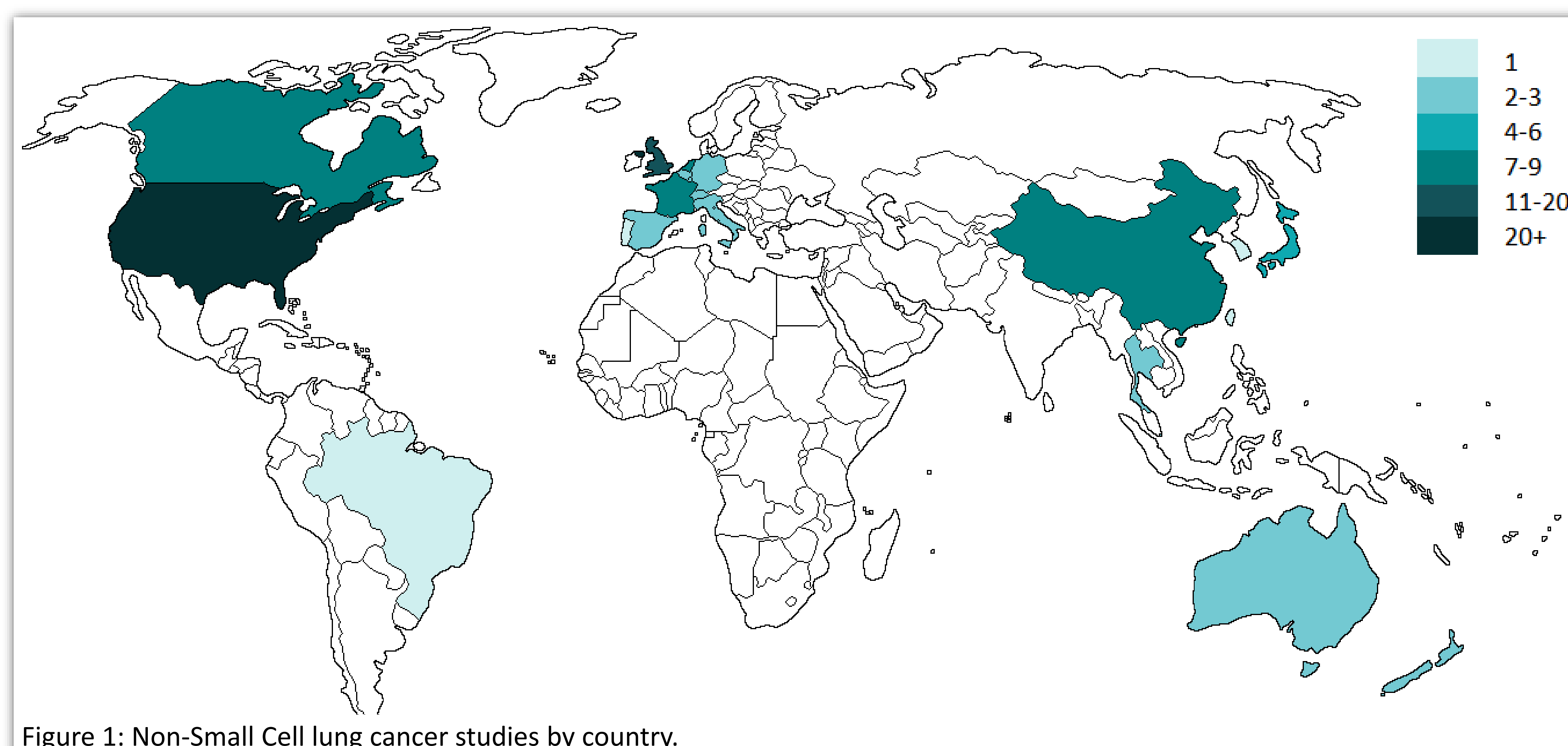


Table 1: Non-Small Cell lung cancer studies by year.

Year	Count
1995:1999	1
2000:2004	6
2005:2009	8
2010:2014	48
2015:2018	26

Figure 1: Non-Small Cell lung cancer studies by country.

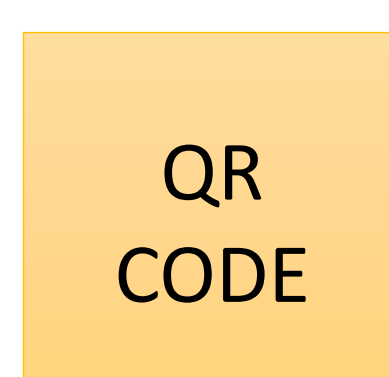
Table 2: Stage type by Model type.

	Decision-analytic model	Evidence Review Group	Markov model	Natural history model	Partitioned-survival model	Systematic review	Time-series model	Time-trade off	Transition model
ALK+	0	0	1	0	1	0	0	0	0
Advanced	2	3	9	0	1	2	1	0	1
EGFR+	1	1	8	0	0	2	0	0	1
EGFR-	0	0	1	0	0	0	0	0	0
Local	0	3	2	0	0	1	0	0	0
Metastatic	0	3	5	0	0	3	0	0	0
Non-squamous	0	0	5	0	1	2	0	0	0
Refractory	2	0	1	0	0	0	0	0	0
Relapsed	0	0	0	0	0	0	0	0	0
Squamous	0	0	8	0	1	2	0	0	0
Stable	0	0	0	0	0	1	0	0	0
Stage 1/2	3	0	2	0	0	0	0	0	0
Stage 3/4	2	1	0	0	0	0	0	0	0
Unclear	0	0	0	0	0	1	0	0	0

Conclusions:

The cost-utility studies found for NSCLC most commonly looked at the effectiveness of different chemotherapy treatments, with some also evaluating the addition of screening strategies. Most were conducted with patient data from the USA and Europe.

Download the free Evidence Map:



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Presented at ICHE
28th June 2018; London, UK