

Case study: Targeted literature review for lung cancer RWE to support HTA submission



Challenge

Lack of literature and randomized controlled trial data evaluating to the post-surgery follow-up care among early non-small cell lung cancer (eNSCLC) patients who experienced locoregional recurrence.

Client required literature review expertise to assess current state of the eNSCLC outcomes.



Solution

Genesis Research Group collaborated with the client to **design and conduct a targeted literature review (TLR)** to analyze survival and treatment patterns outcomes in observational studies.

Search criteria resulted in 15 relevant RWE publications.

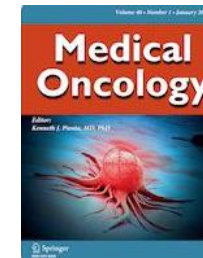
Treatment modalities and survival outcomes were summarized across the studies.



Impact

As a result of Genesis Research Group's strategic input and evidence synthesis expertise, the data found in the TLR was used to **support inputs for economic models and health technology assessment (HTA)** submission.

Published Article in *Medical Oncology*: [link](#)



Recent **evidence synthesis** publications by our teams

Bowes K, Jovanoski N, Brown AE, Di Maio D, Belleli R, Chadda S, Abogunrin S. Treatment patterns and survival of patients with locoregional recurrence in early-stage NSCLC: a literature review of real-world evidence. *Med Oncol*. 2022;40(1):4. doi:10.1007/s12032-022-01790-0.

Deitelzweig S, Di Fusco M, Kang A, Savone M, Mokgokong R, Keshishian A, Gutierrez C, Cappelleri JC. Real-world persistence to direct oral anticoagulants in patients with atrial fibrillation: a systematic review and network meta-analysis. *Curr Med Res Opin*. Jun 2021;37(6):891-902. doi:10.1080/03007995.2021.1897555.

Shafrin J, Dennen S, Pednekar P, Birch K, Bhor M, Kanter J, Neumann P. For which diseases do broader value elements matter most? An evaluation across 20 ICER evidence reports. *J Manag Care Spec Pharm*. May 2021;27(5):650-659. doi:10.18553/jmcp.2021.20471.

Nelson L, Marsh C, Ralston S, Chadda S. Review of orphan treatments assessed by NICE and the SMC in the UK, ISPOR 21st Annual European Congress, 2-6 November 2019, Copenhagen.

Bosshard R, O'Reilly K, Ralston S, Chadda S, Cork D. Systematic reviews of economic burden and health-related quality of life in patients with acute myeloid leukemia. *Cancer Treat Rev*. 2018 Sep;69:224-232. doi: 10.1016/j.ctrv.2018.07.005. Epub 2018 Jul 18. PMID: 30098484.