Pharmacological Agents for Smoking Cessation: Clinical Effectiveness and Cost-Effectiveness
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Acknowledgments:

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About CADTH: CADTH is an independent, not-for-profit organization responsible for providing Canada’s health care decision-makers with objective evidence to help make informed decisions about the optimal use of drugs, medical devices, diagnostics, and procedures in our health care system.
Research Questions

1. What is the clinical effectiveness of pharmacological agents for smoking cessation in individuals who smoke?

2. What is the cost-effectiveness of pharmacological agents for smoking cessation in individuals who smoke?

Key Findings

Two health technology assessments and 19 economic evaluations were identified regarding pharmacological agents for smoking cessation in individuals who smoke.

Methods

A limited literature search was conducted on key resources including PubMed, The Cochrane Library, University of York Centre for Reviews and Dissemination (CRD) databases, Ovid Medline, Canadian and major international health technology agencies, as well as a focused Internet search. Methodological filters were applied to limit retrieval to health technology assessments, systematic reviews, meta-analyses and economic studies. Where possible, retrieval was limited to the human population. The search was also limited to English language documents published between January 1, 2012 and November 6, 2017. Internet links were provided, where available.

Selection Criteria

One reviewer screened citations and selected studies based on the inclusion criteria presented in Table 1.

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<th>Table 1: Selection Criteria</th>
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<td><strong>Population</strong></td>
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<td><strong>Intervention</strong></td>
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<td><strong>Comparator</strong></td>
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<td><strong>Study Designs</strong></td>
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Results

Rapid Response reports are organized so that the higher quality evidence is presented first. Therefore, health technology assessment reports, systematic reviews, and meta-analyses are presented first. These are followed by economic evaluations.

Two health technology assessments and 19 economic evaluations were identified regarding pharmacological agents for smoking cessation in individuals who smoke.

Due to the large volume of relevant literature, clinically focused systematic reviews and meta-analyses from 2017 only have been included in the appendix. Additional references of potential interest are also provided in the appendix.

Health Technology Assessments


Economic Evaluations


Appendix — Further Information

Previous CADTH Reports


Systematic Reviews and Meta-analyses


Alternative Intervention


Budget Impact Analyses


