

CADTH RAPID RESPONSE REPORT: SUMMARY OF ABSTRACTS

Smoking Cessation in Community Settings: Guidelines

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Research Questions

1. What are the evidence-based guidelines regarding the use of nicotine replacement therapy administered by registered nurses in community settings?
2. What are the evidence-based guidelines regarding the use of varenicline administered by registered nurses in community settings?
3. What are the evidence-based guidelines regarding the use of bupropion administered by registered nurses in community settings?

Key Findings

No evidence-based guidelines were identified regarding the use of nicotine replacement therapy, varenicline, or bupropion administered by registered nurses in community settings.

Methods

A limited literature search was conducted by an information specialist on key resources including PubMed, the Cochrane Library, the University of York Centre for Reviews and Dissemination (CRD) databases, the websites of Canadian and major international health technology agencies, as well as a focused Internet search. The search strategy was comprised of both controlled vocabulary, such as the National Library of Medicine’s MeSH (Medical Subject Headings), and keywords. The main search concepts were smoking cessation or nicotine replacement therapy and rural or community settings. Search filters were applied to limit retrieval to health technology assessments, systematic reviews, meta-analyses, or network meta-analyses and guidelines. Where possible, retrieval was limited to the human population. The search was also limited to English language documents published between January 1, 2012 and February 13, 2020. Internet links were provided, where available.

Selection Criteria

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

Table 1: Selection Criteria

Population	Patients using smoking cessation therapies administered by registered nurses (RNs) in community settings
Intervention	Q1: Nicotine Replacement Therapy (NRT) Q2: Varenicline (prescription medication used to treat nicotine addiction) Q3: Bupropion
Comparator	Not applicable

Outcomes	<p>Q1: Recommendation regarding the use of NRT administered by RNs in community settings for smoking cessation</p> <p>Q2: Recommendations regarding the use of Varenicline administer by RNs in community settings for smoking cessation</p> <p>Q3: Recommendations regarding the use of Bupropion administer by RNs in community settings for smoking cessation</p>
Study Designs	Health technology assessments, systematic reviews, and evidence-based guidelines

Results

Rapid Response reports are organized so that the higher quality evidence is presented first. Therefore, health technology assessments and systematic reviews are presented first. These are followed by evidence-based guidelines.

No relevant health technology assessments, systematic reviews, or evidence-based guidelines were identified regarding the use of nicotine replacement therapy, varenicline, or bupropion administered by registered nurses in community settings.

References of potential interest are provided in the appendix.

Overall Summary of Findings

No evidence-based guidelines were identified regarding the use of nicotine replacement therapy, varenicline, or bupropion administered by registered nurses in community settings; therefore, no summary can be provided.

References Summarized

Health Technology Assessments

No literature identified.

Systematic Reviews and Meta-Analyses

No literature identified.

Guidelines and Recommendations

No literature identified.

Appendix — Further Information

Systematic Reviews and Meta-Analyses – Alternative Outcome

1. Rice VH, Heath L, Livingstone-Banks J, Hartmann-Boyce J. Nursing interventions for smoking cessation. *Cochrane Database Syst Rev.* 2017;12(12):CD001188-CD001188. [PubMed: PM29243221](#)
2. Lindson-Hawley N, Thompson TP, Begh R. Motivational interviewing for smoking cessation. *Cochrane Database Syst Rev.* 2015 (3):CD006936-CD006936. [PubMed: PM25726920](#)

Evidence-based Guidelines – Alternative Intervention

3. NCCN Guidelines Version 2.2019 Smoking Cessation. National Comprehensive Cancer Network. 2019. www.nccn.org
4. Siu AL, Force USPST. Behavioral and Pharmacotherapy Interventions for Tobacco Smoking Cessation in Adults, Including Pregnant Women: U.S. Preventive Services Task Force Recommendation Statement. *Ann Intern Med.* 2015;163(8):622-634. [PubMed: PM26389730](#)

Clinical Practice Guidelines – Unclear Setting

5. RNAO Best Practices: Evidence Booster Best Practice Guideline Implementation to Reduce Smoking. Toronto (ON): Registered Nurses' Association of Ontario; 2017: https://rnao.ca/sites/rnao-ca/files/Evidence_Booster-Autumn_2017_smoking_FINAL_0.pdf

Review Articles

6. Djachenko A, St John W, Mitchell C. Smoking cessation in male prisoners: a literature review. *Int J Prison Health.* 2015;11(1):39-48. [PubMed: PM25751706](#)