TITLE: Supplemental Oxygen Use in Long-Term Care: Guidelines

DATE: 19 February 2016

RESEARCH QUESTION

What are the evidence-based guidelines regarding the use of supplemental oxygen for elderly patients in long-term care settings?

KEY FINDINGS

No health technology assessment reports, systematic reviews, meta-analyses or evidence-based guidelines were identified regarding the use of supplemental oxygen for elderly patients in long-term care settings.

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, Canadian and major international health technology agencies, as well as a focused Internet search. A mixed search approach was undertaken. No filters were applied to the main focused search to limit the retrieval by study type. Methodological filters were applied to a second broader search to limit retrieval to guidelines. Where possible, retrieval was limited to the human population. The search was also limited to English language documents published between January 1 2011 and February 11, 2016. 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

<table>
<thead>
<tr>
<th>Population</th>
<th>Elderly patients in long-term care</th>
</tr>
</thead>
<tbody>
<tr>
<td>Intervention</td>
<td>Long-term supplemental oxygen</td>
</tr>
<tr>
<td>Comparator</td>
<td>Not required</td>
</tr>
<tr>
<td>Outcomes</td>
<td>Best practice and appropriateness criteria, clinical indicators/criteria/conditions for use, optimal timing/frequency of re-assessment</td>
</tr>
<tr>
<td>Study Designs</td>
<td>Health technology assessments, systematic reviews, meta-analyses, evidence-based guidelines</td>
</tr>
</tbody>
</table>

RESULTS

No health technology assessment reports, systematic reviews, meta-analyses or evidence-based guidelines were identified regarding the use of supplemental oxygen for elderly patients in long-term care settings.

References of potential interest, not specific to elderly patients in long-term care settings, are provided in the appendix.

OVERALL SUMMARY OF FINDINGS

No relevant literature was found regarding the use of supplemental oxygen for elderly patients in long-term care 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.

PREPARED BY:
Canadian Agency for Drugs and Technologies in Health
Tel: 1-866-898-8439
www.cadth.ca
APPENDIX – FURTHER INFORMATION:

Previous CADTH Report


Systematic Reviews and Meta-analyses – Not Specific to Long-Term Care Population


Guidelines and Recommendations – Not Specific to Long-Term Care Population

See: Recommendations #27 and #28, p.18-19

Non-Randomized Studies – Not Specific to Long-Term Care Population


Clinical Practice Guidelines (Unclear Methodology) – Not Specific to Long-Term Care Population

See: Appendix C: Medical Indications for Home Oxygen for Stable COPD Patients
Consensus Recommendations – Not Specific to Long-Term Care Population

See: Oxygen Therapy, p.28

Review Article

PubMed: PM26297850