

Methods S1. Search strategies

Databases Searched for the Overall Study

Ovid MEDLINE® Database Searches

Search Strategy:

- 1 relapse prevention/
- 2 relapse NEAR prevent*
- 3 relapse NEAR smok*
- 4 recurrence/
- 5 (relaps\$ or recurr\$).ti,ab.
- 6 (resum\$ or restart\$ or re start\$ or lapse\$).ti,ab.
- 7 maintenance.ti,ab.
- 8 (maintain\$ or sustain\$).ti,ab.
- 9 or/1-8
- 10 smoking cessation.mp. or exp Smoking Cessation/
- 11 tobacco cessation.mp. or "Tobacco-Use-Cessation"/
- 12 exp Smoking/th [Therapy]
- 13 "Tobacco-Use-Disorder"/
- 14 Tobacco-Smokeless/
- 15 exp Tobacco-Smoke-Pollution/
- 16 Smoking reduction/ or Smoking reduction.mp.
- 17 Smoking prevention/
- 18 Vaping/ or vaping.mp
- 19 Electronic Nicotine Delivery Systems/
- 20 electronic cigar*.mp
- 21 exp Pipe smoking/ or exp Tobacco smoking/ or exp Tobacco Products/
- 22 ((quit\$ or stop\$ or ceas\$ or giv\$ or abstain* or abstin*) adj5 (smoking or smoke* or tobacco)).ti,ab.
- 23 exp Tobacco/ or exp Nicotine/
- 24 10 or 11 or 12 or 13 or 14 or 15 or 16 or 17 or 18 or 19 or 20 or 21 or 22 or 23
- 25 exp Smoking/ not 24[B category smoking terms]
- 26 24 or 25
- 27 exp meta analysis/
- 28 exp systematic review/
- 29 (systematic\$ adj5 review\$).tw,sh.
- 30 (systematic\$ adj5 overview\$).tw,sh.
- 31 exp randomized controlled trials as Topic/
- 32 exp randomized controlled trial/ or exp random allocation/ or double-blind method/ or exp single-blind method/ or exp clinical trial/
- 33 (controlled clinical trial or randomized controlled trials or multicenter study or clinical trial).pt.
- 34 or/27-33
- 35 9 and 26 and 34

Cochrane Central Register of Controlled Trial (CENTRAL) Database Searches

Search Strategy:

- 1 MeSH descriptor: [Tobacco Use Disorder] explode all trees
- 2 MeSH descriptor: [Tobacco, Smokeless] explode all trees
- 3 MeSH descriptor: [Tobacco Smoke Pollution] explode all

- 4 MeSH descriptor: [Tobacco Use Cessation] explode all trees
- 5 MeSH descriptor: [Nicotine] in all MeSH products
- 6 MeSH descriptor: [Electronic Nicotine Delivery Systems] explode all trees
- 7 MeSH descriptor: [Pipe Smoking] explode all trees
- 8 (smoking AND cessation)
- 9 (antismok*)
- 10 (quit*):ti
- 11 (smok*):ti
- 12 (cigar*):ti
- 13 (tobacco):ti
- 14 (nicotine):ti
- 15 MeSH descriptor: [Smoke] in all MeSH products
- 16 #1 or #2 or #3 or #4 or #5 or #6 or #7 or #8 or #9 or #10 or #11 or #12 or #13 or #14 or #15
- 17 MeSH descriptor: [Recurrence] explode all trees
- 18 (relaps* or recurr*)
- 19 (resum* or restart* or (re start*) or lapse*)
- 20 MeSH descriptor: [Maintenance] explode all trees
- 21 (maintain* or sustain*)
- 22 #17 or #18 or #19 or #20 or #21
- 23 cochrane review in Cochrane Reviews
- 24 #16 and #22 and #23

Cumulative Index to Nursing and Allied Health Literature (CINAHL) Database Searches

Search Strategy:

- S1 TX Smoking cessation
- S2 TX Tobacco use cessation
- S3 TX Smokeless
- S4 TX Tobacco Smoke Pollution
- S5 TX Tobacco Use Disorder
- S6 TX Smoking reduction
- S7 TX Smoking prevention
- S8 TX Vaping
- S9 TX Nicotine
- S10 TX Electronic Nicotine Delivery Systems
- S11 TX E-Cigarette Vapor
- S12 TX Pipe Smoking
- S13 TX Tobacco
- S14 MH S1 OR S2 OR S3 OR S4 OR S5 OR S6 OR S7 OR S8 OR S9 OR S10 OR S11 OR S12 OR S13
- S15 TX Recurrence
- S16 TX (relaps* or recurr*)
- S17 TX (resum* or restart* or (re start*) or lapse*)
- S18 TX Maintenance
- S19 MH S15 OR S16 OR S17 OR S18
- S20 TI meta-analysis
- S21 TI systematic review
- S22 MH S20 OR S21
- S23 MH S14 AND S19 AND S23

Embase

Search Strategy:

- 1 Relapse'
- 2 relapse prevention'
- 3 relapse prevent*'
- 4 relapse smok*'
- 5 recurrence'
- 6 relaps\$ OR recurr\$
- 7 resum\$ or restart\$ or re start\$ or lapse\$
- 8 maintenance therapy'
- 9 maintenance'
- 10 maintain\$ or sustain\$
- 11 #1 OR #2 OR #3 OR #4 OR #5 OR #6 OR #7 OR #8 OR #9 OR #10
- 12 smoking cessation'
- 13 ('smoking'/exp OR smoking) AND ('cessation'/exp OR cessation)
- 14 ('tobacco'/exp OR tobacco) AND use AND ('cessation'/exp OR cessation)
- 15 ('smoking'/exp OR smoking) AND ('reduction'/exp OR reduction)
- 16 'smoking prevention'
- 17 'vaping'/exp OR 'vaping'
- 18 electronic cigarette'
- 19 'pipe smoking'
- 20 tobacco AND smoking
- 21 'tobacco'
- 22 'nicotine'
- 23 #12 OR #13 OR #14 OR #15 OR #16 OR #17 OR #18 OR #19 OR #20 OR #21 OR #22
- 24 (random\$ or placebo\$) or (doubl\$ adj blind\$) or (singl\$ adj blind\$)
- 25 double-blind procedure' or 'randomized controlled trial' or 'single-blind procedure'
- 26 meta analysis topic'
- 27 systematic review topic'
- 28 #24 OR #25 OR #26 OR #27
- 29 #11 AND #23 AND #28