

# Pilot testing

## Methods:

To assess the usability and practical performance of the two-part AI-assisted prompt framework, we conducted a structured pilot test with three independent reviewers. These individuals were not authors of this manuscript and had experience conducting at least one systematic review, but they did not have formal training in Boolean logic, field tags, or database-specific syntax. Three Cochrane systematic reviews were selected, and their full search strategies, including all free-text and controlled vocabulary terms, were extracted. The terms were not pre-formatted for the testers. Instead, each reviewer received the raw keyword lists and thesaurus terms and was asked to arrange them into the element-wise structure required in Part 2 of the prompt template.

Importantly, this prompt template intentionally excluded proximity operators, adjacency commands, specialized wildcards, and other advanced database-specific syntax. These features vary across platforms and often use inconsistent notation, which increases the risk of errors or non-transferable outputs when generated through an AI model. The pilot therefore focused on evaluating performance using only standard Boolean structures and controlled vocabulary terms, ensuring that the generated strategies were universally compatible across databases.

Using only the instructions provided in the two-part prompt instructions, each tester used ChatGPT (without login, to remove bias related to saved information) to generate database-ready search strategies and executed the resulting queries in PubMed, Embase, Scopus, Web of Science, and the Cochrane Library. Testers documented the number of retrieved records for each search and noted any error messages returned by the systems. During this phase, we evaluated whether testers could correctly format the raw terms into the Part-2 structure, whether the Boolean operators and syntax produced by ChatGPT were accurate, and whether the AI added, removed, or modified any terms. We also assessed whether searches executed without syntax or field-tag errors and collected feedback on the overall user experience.

Because the purpose of this pilot was to evaluate usability rather than performance, we did not compare the AI-generated searches with the original Cochrane strategies or assess recall or sensitivity.

**Results:**

All three testers successfully arranged the raw free-text and thesaurus terms into the Part-2 format and used the two-part prompt to generate full search strategies. The resulting strategies incorporated correct Boolean operators, parentheses, and field tags, and all searches executed successfully across PubMed, Embase, Scopus, Web of Science, and the Cochrane Library. No hallucinated, missing, or altered terms were detected. None of the databases returned syntax errors, and the number of retrieved records (“hits”) corresponded logically to each structured search block. Testers reported that the process was easy to follow and enabled them to run multi-database searches without needing knowledge of advanced syntax.

The only operational issues occurred in PubMed and were traced to formatting mistakes made while constructing Part 2, stemming from errors in the keyword list we provided rather than any flaw in the prompt itself. In two instances, a keyword returned zero results, and in another, the wildcard was placed after only three characters, which is below PubMed’s minimum requirement of four and therefore produced an invalid query.

Details of list of keywords provided to tester, part 2 of prompt generated by tester, search strategy generated by ChatGPT and its assessment in different criteria is provided below:

**Pilot testing**

**Tester 1**

**List of keywords and Thesaurus terms provided to reviewers for pilot testing:**

**REVIEW 1**

**Garegnani L, Styrnisdóttir L, Roson Rodriguez P, Escobar Liquitay CM, Esteban I, Franco JVA. Palivizumab for preventing severe respiratory syncytial virus (RSV) infection in children. Cochrane Database of Systematic Reviews. 2021(11).**

**A. Free-text Keywords**

**RSV / Infection Terms**

- "respiratory syncytial virus\*"
- "rsv"
- "bronchiolit\*"
- "pneumon\*"
- "bronchopneumon\*"
- "pleuropneumon\*"
- "lower respiratory infection\*"
- "lower respiratory tract infection\*"
- "Irti"
- "Respiratory tract infection\*"

**Intervention Terms**

- "palivizumab"
- "synagis"
- "medi-493"
- "medi493"
- "medi 493"

**B. Thesaurus Terms**

**PubMed (MeSH)**

- "Respiratory Syncytial Virus Infections"[Mesh]
- "Respiratory Syncytial Viruses"[Mesh]
- "Respiratory Syncytial Virus, Human"[Mesh]
- "Bronchiolitis"[Mesh]
- "Pneumonia"[Mesh]
- "Respiratory Tract Infections"[Mesh]
- "Palivizumab"[Mesh]

**EMBASE (Emtree)**

- 'respiratory syncytial virus infection'/exp
- 'bronchiolitis'/exp
- 'pneumonia'/exp
- 'respiratory tract infection'/exp
- 'Pneumovirus'/exp
- 'Human respiratory syncytial virus'/exp
- 'palivizumab'/exp

**Part 2 of the prompt build by tester:**

**Title:** Palivizumab for preventing severe respiratory syncytial virus (RSV) infection in children

**Element: RSV / Infection**

**Thesaurus terms:**

PubMed: "Respiratory Syncytial Virus Infections"[MeSH], "Respiratory Syncytial Viruses"[MeSH], "Respiratory Syncytial Virus, Human"[MeSH], "Bronchiolitis"[MeSH], "Pneumonia"[MeSH], "Respiratory Tract Infections"[MeSH]; Embase: 'respiratory syncytial virus infection'/exp, 'bronchiolitis'/exp, 'pneumonia'/exp, 'respiratory tract infection'/exp, 'pneumovirus'/exp, 'human respiratory syncytial virus'/exp

**Free terms:**

respiratory syncytial virus\*, rsv, bronchiolit\*, pneumon\*, bronchopneumon\*, pleuropneumon\*, lower respiratory infection\*, lower respiratory tract infection\*, lrti, Respiratory tract infection\*

**Element: Palivizumab**

**Thesaurus terms:**

PubMed: "Palivizumab"[MeSH]; Embase: 'palivizumab'/exp

**Free terms:**

palivizumab, synagis, medi-493, medi493, medi 493

**Search blocks generated by ChatGPT and their assessment:**

**Title: Palivizumab for preventing severe respiratory syncytial virus (RSV) infection in children**

---

**Database Name: PubMed**

**Date of Search:**

**Number of results:**

Elements	Search Block	Search no.	Results No.	Hallucination error (adding or removing terms)	Boolean operator error	Error in search running on database
RSV / Infection	"Respiratory Syncytial Virus Infections"[MeSH] OR "Respiratory Syncytial Viruses"[MeSH] OR "Respiratory Syncytial Virus, Human"[MeSH] OR "Bronchiolitis"[MeSH] OR "Pneumonia"[MeSH] OR "Respiratory Tract Infections"[MeSH] OR "respiratory syncytial virus*"[tiab] OR "rsv"[tiab] OR "bronchiolit*"[tiab] OR "pneumon*"[tiab] OR "bronchopneumon*"[tiab] OR "pleuropneumon*"[tiab] OR "lower respiratory infection*"[tiab] OR "lower respiratory tract infection*"[tiab] OR "Irti"[tiab] OR "respiratory tract infection*"[tiab]	#1	915400	None	None	None
Palivizumab	"Palivizumab"[MeSH] OR "palivizumab"[tiab] OR	#2	1487	None	None	None

Elements	Search Block	Search no.	Results No.	Hallucination error (adding or removing terms)	Boolean operator error	Error in search running on database
	"synagis"[tiab] OR "medi-493"[tiab] OR "medi493"[tiab] OR "medi493"[tiab]					
<b>Combined</b>	#1 AND #2	#3	1427	None	None	None

---

**Database Name: Embase**

**Date of Search:**

**Number of results:**

Elements	Search Block	Search no.	Results No.	Hallucination error (adding or removing terms)	Boolean operator error	Error in search running on database
<b>RSV / Infection</b>	'respiratory syncytial virus infection'/exp OR 'bronchiolitis'/exp OR 'pneumonia'/exp OR 'respiratory tract infection'/exp OR 'pneumovirus'/exp OR 'human respiratory syncytial virus'/exp OR ('respiratory syncytial virus*' OR 'rsv' OR 'bronchiolit*' OR 'pneumon*' OR 'bronchopneumon*' OR 'pleuropneumon*' OR 'lower respiratory infection*' OR 'lower respiratory tract infection*' OR 'lrti' OR 'respiratory tract infection*'):ti,ab,kw	#1	1104383	None	None	None
<b>Palivizumab</b>	'palivizumab'/exp OR ('palivizumab' OR 'synagis' OR 'medi-493' OR 'medi493' OR 'medi 493'):ti,ab,kw	#2	4118	None	None	None
<b>Combined</b>	#1 AND #2	#3	3339	None	None	None

**Database Name: Web of Science****Date of Search:****Number of results:**

Elements	Search Block	Search no.	Results No.	Hallucination error (adding or removing terms)	Boolean operator error	Error in search running on database
RSV / Infection	TS=("respiratory syncytial virus*" OR "rsv" OR "bronchiolit*" OR "pneumon*" OR "bronchopneumon*" OR "pleuropneumon*" OR "lower respiratory infection*" OR "lower respiratory tract infection*" OR "Irti" OR "respiratory tract infection*")	#1	352502	None	None	None
Palivizumab	TS=("palivizumab" OR "synagis" OR "medi-493" OR "medi493" OR "medi 493")	#2	1647	None	None	None
Combined	#1 AND #2	#3	1455	None	None	None

**Database Name: Scopus****Date of Search:****Number of results:**

Elements	Search Block	Search no.	Results No.	Hallucination error (adding or removing terms)	Boolean operator error	Error in search running on database
<b>RSV / Infection</b>	TITLE-ABS-KEY("respiratory syncytial virus*" OR "rsv" OR "bronchiolit*" OR "pneumon*" OR "bronchopneumon*" OR "pleuropneumon*" OR "lower respiratory infection*" OR "lower respiratory tract infection*" OR "lrti" OR "respiratory tract infection*")	#1	771480	None	None	None
<b>Palivizumab</b>	TITLE-ABS-KEY("palivizumab" OR "synagis" OR "medi-493" OR "medi493" OR "medi 493")	#2	3720	None	None	None
<b>Combined</b>	#1 AND #2	#3	2899	None	None	None

**Database Name: Cochrane Library****Date of Search:****Number of results:**

Elements	Search Block	Search no.	Results No.	Hallucination error (adding or removing terms)	Boolean operator error	Error in search running on database
<b>RSV / Infection</b>	(respiratory NEXT syncytial NEXT virus* OR rsv OR bronchiolit* OR pneumon* OR bronchopneumon* OR pleuropneumon* OR (lower NEXT respiratory NEXT infection*) OR (lower NEXT respiratory NEXT tract NEXT infection*) OR Irti OR (respiratory NEXT tract NEXT infection*)):ti,ab,kw	#1	39686	None	None	None
<b>Palivizumab</b>	(palivizumab OR synagis OR medi-493 OR medi493 OR (medi NEXT 493)):ti,ab,kw	#2	177	None	None	None
<b>Combined</b>	#1 AND #2	#3	169	None	None	None

**Pilot testing**

**Tester 2**

**List of keywords and Thesaurus terms provided to reviewers for pilot testing:**

**REVIEW 2**

Dodd KC, Clay FJ, Forbes AM, Handley J, Keh RYS, Miller JAL, et al. Rituximab for myasthenia gravis. Cochrane Database of Systematic Reviews. 2025(7).

**A. Free-text Keywords**

**Intervention Terms**

- "rituximab"
- "rituxan"
- "truxima"
- "ruxience"
- "riabni"
- "rixathon"
- "riximyo"
- "ritemiva"
- "rituzena"

**Disease Terms**

- "myasthenia gravis"

**B. Thesaurus Terms**

**PubMed (MeSH)**

- "Rituximab"[Mesh]
- "Myasthenia Gravis"[Mesh]

**Embase (emtree)**

- 'rituximab'/exp
- 'myasthenia gravis'/exp

**Part 2 of the prompt build by tester:**

**Title:** Rituximab for myasthenia gravis

**Element:** Rituximab

**Thesaurus terms:**

PubMed: "Rituximab"[MeSH]; Embase: 'rituximab'/exp

**Free terms:**

rituximab, rituxan, truxima, ruxience, riabni, rixathon, riximyo, ritemiva, rituzena

**Element:** Myasthenia Gravis

**Thesaurus terms:**

PubMed: "Myasthenia Gravis"[MeSH]; Embase: 'myasthenia gravis'/exp

**Free terms:**

myasthenia gravis

**Search blocks generated by ChatGPT and their assessment:**

**Title: Rituximab for myasthenia gravis**

---

**Database Name: PubMed**

**Date of Search:**

**Number of results:**

Elements	Search Block	Search no.	Results No.	Hallucination error (adding or removing terms)	Boolean operator error	Error in search running on database
<b>Rituximab</b>	"Rituximab"[MeSH] OR "rituximab"[tiab] OR "rituxan"[tiab] OR "truxima"[tiab] OR "ruxience"[tiab] OR "riabni"[tiab] OR "rixathon"[tiab] OR "riximyo"[tiab] OR "ritemiva"[tiab] OR "rituzena"[tiab]	#1	35919	None	None	No records retrieved for the terms "ritemiva" or "rituzena." In the original review as well, these terms also returned zero results
<b>Myasthenia Gravis</b>	"Myasthenia Gravis"[MeSH] OR "myasthenia gravis"[tiab]	#2	22848	None	None	None
<b>Combined</b>	#1 AND #2	#3	413	None	None	None

---

**Database Name: Embase**

**Date of Search:**

**Number of results:**

Elements	Search Block	Search no.	Results No.	Hallucination error (adding or removing terms)	Boolean operator error	Error in search running on database
Rituximab	'rituximab'/exp OR ('rituximab' OR 'rituxan' OR 'truxima' OR 'ruxience' OR 'riabni' OR 'rixathon' OR 'riximyo' OR 'ritemiva' OR 'rituzena'):ti,ab,kw	#1	136112	None	None	None
Myasthenia Gravis	'myasthenia gravis'/exp OR ('myasthenia gravis'):ti,ab,kw	#2	35408	None	None	None
Combined	#1 AND #2	#3	1807	None	None	None

**Database Name: Web of Science****Date of Search:****Number of results:**

Elements	Search Block	Search no.	Results No.	Hallucination error (adding or removing terms)	Boolean operator error	Error in search running on database
Rituximab	TS=("rituximab" OR "rituxan" OR "truxima" OR "ruxience" OR "riabni" OR "rixathon" OR "riximyo" OR "ritemiva" OR "rituzena")	#1	49399	None	None	None
Myasthenia Gravis	TS=("myasthenia gravis")	#2	19967	None	None	None
Combined	#1 AND #2	#3	500	None	None	None

**Database Name: Scopus**

**Date of Search:**

**Number of results:**

Elements	Search Block	Search no.	Results No.	Hallucination error (adding or removing terms)	Boolean operator error	Error in search running on database
Rituximab	TITLE-ABS-KEY("rituximab" OR "rituxan" OR "truxima" OR "ruxience" OR "riabni" OR "rixathon" OR "riximyo" OR "ritemiva" OR "rituzena")	#1	95434	None	None	None
Myasthenia Gravis	TITLE-ABS-KEY("myasthenia gravis")	#2	31423	None	None	None
Combined	#1 AND #2	#3	1457	None	None	None

**Database Name: Cochrane Library**

**Date of Search:**

**Number of results:**

Elements	Search Block	Search no.	Results No.	Hallucination error (adding or removing terms)	Boolean operator error	Error in search running on database
Rituximab	(rituximab OR rituxan OR truxima OR ruxience OR riabni OR rixathon OR riximyo OR ritemiva OR rituzena):ti,ab,kw	#1	6671	None	None	None
Myasthenia Gravis	(myasthenia NEXT gravis):ti,ab,kw	#2	1129	None	None	None
Combined	#1 AND #2	#3	40	None	None	None

**Pilot testing**

**Tester 3**

**List of keywords and Thesaurus terms provided to reviewers for pilot testing:**

**REVIEW 3**

**Lourens A, Sinclair M, Willems B, Young T. Education, incentive, and engineering-based interventions to promote the use of seat belts. Cochrane Database of Systematic Reviews. 2024(1).**

**A. Free-text Keywords**

**Seat Belt / Restraint Terms**

- "seatbelt\*"
- "seat-belts"
- "seatbelt-wearing"
- "seatbelt usage"
- "lap-restraint\*"
- "lap restraint\*"
- "seat belt use"
- "seat belt wearing"
- "seat belt\*"
- "seatbelts"

**Education / Promotion / Enforcement Terms**

- "education"
- "educate"
- "media"
- "social media"
- "promotion"
- "advertisement"
- "ban\*"
- "fine\*"
- "enforcement"
- "safety belt law\*"
- "driving lesson\*"
- "driving class\*"
- "driving school\*"
- "preventive behaviour"
- "preventive behavior"

**Study Design Terms**

- "randomized"
- "randomised"
- "randomly"
- "placebo"
- "trial"
- "groups"
- "group"

**B. Thesaurus Terms**

**PubMed (MeSH)**

- "Seat Belts"[Mesh]
- "Health Promotion"[Mesh:NoExp]

- "Social Media"[Mesh]
- "Health Behavior"[Mesh:NoExp]
- "education" [Subheading]
- "Randomized Controlled Trial" [Publication Type]
- "Controlled Clinical Trial" [Publication Type]
- "Comparative Study" [Publication Type]

**Embase (emtree)**

- 'seatbelt'/exp
- 'health promotion'/exp
- 'social media'/exp
- 'health behavior'/exp
- 'randomized controlled trial'/exp
- 'controlled clinical trial'/exp
- 'controlled study'/exp
- 'major clinical study'/exp

**Part 2 of the prompt build by tester:**

**Title:** Education, incentive, and engineering-based interventions to promote the use of seat belts

**Element: Seat Belt / Restraint**

**Thesaurus terms:**

PubMed: "Seat Belts"[MeSH]; Embase: 'seatbelt'/exp

**Free terms:**

seatbelt\*, seat-belts, seatbelt-wearing, seatbelt usage, lap-restraint\*, lap restraint\*, seat belt use, seat belt wearing, seat belt\*, seatbelts

**Element: Education / Promotion / Enforcement**

**Thesaurus terms:**

PubMed: "Health Promotion"[MeSH:NoExp], "Social Media"[MeSH], "Health Behavior"[MeSH:NoExp], "education"[Subheading]; Embase: 'health promotion'/exp, 'social media'/exp, 'health behavior'/exp

**Free terms:**

education, educate, media, social media, promotion, advertisement, ban\*, fine\*, enforcement, safety belt law\*, driving lesson\*, driving class\*, driving school\*, preventive behaviour, preventive behavior

**Element: Study Design (RCTs and trials)**

**Thesaurus terms:**

PubMed: "Randomized Controlled Trial"[Publication Type], "Controlled Clinical Trial"[Publication Type], "Comparative Study"[Publication Type]; Embase: 'randomized controlled trial'/exp, 'controlled clinical trial'/exp, 'controlled study'/exp, 'major clinical study'/exp

**Free terms:**

randomized, randomised, randomly, placebo, trial, groups, group

**Search blocks generated by ChatGPT and their assessment:**

---

**Title: Education, incentive, and engineering-based interventions to promote the use of seat belts**

---

**Database Name: PubMed**

**Date of Search:**

**Number of results:**

Elements	Search Block	Search No.	Results No.	Hallucination error (adding or removing terms)	Boolean operator error	Error in search running on database
<b>Seat Belt / Restraint</b>	"Seat Belts"[MeSH] OR "seatbelt*"[tiab] OR "seat-belts"[tiab] OR "seatbelt-wearing"[tiab] OR "seatbelt usage"[tiab] OR "lap-restraint*"[tiab] OR "lap restraint*"[tiab] OR "seat belt use"[tiab] OR "seat belt wearing"[tiab] OR "seat belt*"[tiab] OR "seatbelts"[tiab]	#1	6055	None	None	No search results for: "lap-restraint*", "lap restraint*"
<b>Education / Promotion / Enforcement</b>	"Health Promotion"[MeSH:NoExp] OR "Social Media"[MeSH] OR "Health Behavior"[MeSH:NoExp] OR "education"[Subheading] OR "education"[tiab] OR "educate"[tiab] OR "media"[tiab] OR "social	#2	1819898	None	None	Wildcard need to place after at-least 4 characters

Elements	Search Block	Search No.	Results No.	Hallucination error (adding or removing terms)	Boolean operator error	Error in search running on database
	media"[tiab] OR "promotion"[tiab] OR "advertisement"[tiab] OR "ban*"[tiab] OR "fine*"[tiab] OR "enforcement"[tiab] OR "safety belt law*"[tiab] OR "driving lesson*"[tiab] OR "driving class*"[tiab] OR "driving school*"[tiab] OR "preventive behaviour"[tiab] OR "preventive behavior"[tiab]					
Study Design (RCTs and trials)	"Randomized Controlled Trial"[Publication Type] OR "Controlled Clinical Trial"[Publication Type] OR "Comparative Study"[Publication Type] OR "randomized"[tiab] OR "randomised"[tiab] OR "randomly"[tiab] OR "placebo"[tiab] OR "trial"[tiab] OR "groups"[tiab] OR "group"[tiab]	#3	7528787	None	None	None
Combined	#1 AND #2 AND #3	#4	408	None	None	None

**Database Name: Embase**

**Date of Search:**

**Number of results:**

Elements	Search Block	Search No.	Results No.	Hallucination error (adding or removing terms)	Boolean operator error	Error in search running on database
<b>Seat Belt / Restraint</b>	'seatbelt'/exp OR ('seatbelt*' OR 'seat-belts' OR 'seatbelt-wearing' OR 'seatbelt usage' OR 'lap-restraint*' OR 'lap restraint*' OR 'seat belt use' OR 'seat belt wearing' OR 'seat belt*' OR 'seatbelts'):ti,ab,kw	#1	7230	None	None	None
<b>Education / Promotion / Enforcement</b>	'health promotion'/exp OR 'social media'/exp OR 'health behavior'/exp OR ('education' OR 'educate' OR 'media' OR 'social media' OR 'promotion' OR 'advertisement' OR 'ban*' OR 'fine*' OR 'enforcement' OR 'safety belt law*' OR 'driving lesson*' OR 'driving class*' OR 'driving school*' OR 'preventive behaviour' OR 'preventive behavior'):ti,ab,kw	#2	3237717	None	None	None
<b>Study Design (RCTs and trials)</b>	'randomized controlled trial'/exp OR 'controlled clinical trial'/exp OR 'controlled study'/exp OR 'major clinical study'/exp OR ('randomized' OR 'randomised' OR 'randomly'	#3	18798997	None	None	None

Elements	Search Block	Search No.	Results No.	Hallucination error (adding or removing terms)	Boolean operator error	Error in search running on database
	OR 'placebo' OR 'trial' OR 'groups' OR 'group'):ti,ab,kw					
<b>Combined</b>	#1 AND #2 AND #3	#4	818	None	None	None

**Database Name: Web of Science**

**Date of Search:**

**Number of results:**

Elements	Search Block	Search No.	Results No.	Hallucination error (adding or removing terms)	Boolean operator error	Error in search running on database
<b>Seat Belt / Restraint</b>	TS=("seatbelt*" OR "seat-belts" OR "seatbelt-wearing" OR "seatbelt usage" OR "lap-restraint*" OR "lap restraint*" OR "seat belt use" OR "seat belt wearing" OR "seat belt*" OR "seatbelts")	#1	3653	None	None	None
<b>Education / Promotion / Enforcement</b>	TS=("education" OR "educate" OR "media" OR "social media" OR "promotion" OR "advertisement" OR "ban*" OR "fine*" OR "enforcement" OR "safety belt law*" OR "driving lesson*" OR "driving class*" OR "driving school*" OR "preventive behaviour" OR "preventive behavior")	#2	3857825	None	None	None
<b>Study Design (RCTs and trials)</b>	TS=("randomized" OR "randomised" OR "randomly" OR "placebo" OR "trial" OR "groups" OR "group")	#3	7406104	None	None	None

Elements	Search Block	Search No.	Results No.	Hallucination error (adding or removing terms)	Boolean operator error	Error in search running on database
<b>Combined</b>	#1 AND #2 AND #3	#4	159	None	None	None

**Database Name: Scopus**

**Date of Search:**

**Number of results:**

Elements	Search Block	Search No.	Results No.	Hallucination error (adding or removing terms)	Boolean operator error	Error in search running on database
<b>Seat Belt / Restraint</b>	TITLE-ABS- KEY("seatbelt*" OR "seat-belts" OR "seatbelt-wearing" OR "seatbelt usage" OR "lap-restraint*" OR "lap restraint*" OR "seat belt use" OR "seat belt wearing" OR "seat belt*" OR "seatbelts")	#1	10680	None	None	None
<b>Education / Promotion / Enforcement</b>	TITLE-ABS- KEY("education" OR "educate" OR "media" OR "social media" OR "promotion" OR "advertisement" OR "ban*" OR "fine*" OR "enforcement" OR "safety belt law*" OR "driving lesson*" OR "driving class*" OR "driving school*" OR "preventive behaviour" OR "preventive behavior")	#2	11138943	None	None	None
<b>Study Design (RCTs and trials)</b>	TITLE-ABS- KEY("randomized" OR "randomised" OR "randomly" OR	#3	13305585	None	None	None

Elements	Search Block	Search No.	Results No.	Hallucination error (adding or removing terms)	Boolean operator error	Error in search running on database
	"placebo" OR "trial" OR "groups" OR "group")					
<b>Combined</b>	#1 AND #2 AND #3	#4	561	None	None	None

**Database Name: Cochrane Library**

**Date of Search:**

**Number of results:**

Elements	Search Block	Search No.	Results No.	Hallucination error (adding or removing terms)	Boolean operator error	Error in search running on database
<b>Seat Belt / Restraint</b>	(seatbelt* OR seatbelts OR seatbelt-wearing OR seatbelt usage OR lap-restraint* OR (lap NEXT restraint*) OR (seat NEXT belt NEXT use) OR (seat NEXT belt NEXT wearing) OR seat NEXT belt* OR seatbelts):ti,ab,kw	#1	122	None	None	None
<b>Education / Promotion / Enforcement</b>	(education OR educate OR media OR (social NEXT media) OR promotion OR advertisement OR ban* OR fine* OR enforcement OR (safety NEXT belt NEXT law*) OR (driving NEXT lesson*) OR (driving NEXT class*) OR (driving NEXT school*) OR (preventive NEXT behaviour) OR (preventive NEXT behavior)):ti,ab,kw	#2	174937	None	None	None

Elements	Search Block	Search No.	Results No.	Hallucination error (adding or removing terms)	Boolean operator error	Error in search running on database
<b>Study Design (RCTs and trials)</b>	(randomized OR randomised OR randomly OR placebo OR trial OR groups OR group):ti,ab,kw	#3	1834477	None	None	None
<b>Combined</b>	#1 AND #2 AND #3	#4	56	None	None	None