

Appendix 1 Search strategies for databases

Pubmed

- #1 "Opioid-Induced Constipation"[Mesh] OR "narcotic bowel syndrome*"[Title/Abstract] OR "opiate induced constipation*"[Title/Abstract] OR "opioid induced bowel dysfunction*"[Title/Abstract] OR "opioid induced constipation*"[Title/Abstract]
- #2 (("Laxatives"[Mesh] OR "Cathartics"[Mesh]) OR "bowel evacuant*"[Title/Abstract] OR "bowel preparation solution*"[Title/Abstract] OR "bulk forming laxative*"[Title/Abstract] OR "bulk laxative*"[Title/Abstract] OR "cathartic agent"[Title/Abstract] OR "cathartic*"[Title/Abstract] OR "laxantia"[Title/Abstract] OR "laxati*"[Title/Abstract] OR "laxative agent"[Title/Abstract] OR "purgative*"[Title/Abstract] OR "stimulant laxative"[Title/Abstract])) OR "Lactulose"[Mesh] OR "Polyethylene Glycols"[Mesh] OR "Senna Extract"[Mesh] OR "Sennosides"[Mesh] OR "Bisacodyl"[Mesh] OR "Magnesium Hydroxide"[Mesh] OR "Magnesium Oxide"[Mesh] OR "Magnesium Sulfate"[Mesh] OR "Mineral oil"[Mesh] OR "Glycerol"[Mesh] OR "Dioctyl Sulfosuccinic Acid"[Mesh] OR "Phenolphthalein"[Mesh] OR "Rheum"[Mesh] OR "Sorbitol"[Mesh] OR "Aloe"[Mesh] OR "Psyllium"[Mesh] OR "Castor Oil"[Mesh] OR "picosulfate sodium"[Supplementary Concept] OR "magnesium citrate"[Supplementary Concept]
- #3 "prevention and control"[Subheading] OR "Pre-Exposure Prophylaxis"[Mesh] OR "Post-Exposure Prophylaxis"[Mesh] OR "control"[Title/Abstract] OR "disease prevention"[Title/Abstract] OR "disease prophylaxis"[Title/Abstract] OR "health protection"[Title/Abstract] OR "Post Exposure Prevention"[Title/Abstract] OR "Post Exposure Prophylaxis"[Title/Abstract] OR "Pre Exposure Prophylaxi*"[Title/Abstract] OR "precautionary action"[Title/Abstract] OR "prevention"[Title/Abstract] OR "preventive action"[Title/Abstract] OR "preventive measure*"[Title/Abstract] OR "preventive medication"[Title/Abstract] OR "preventive therapy"[Title/Abstract] OR "preventive treatment"[Title/Abstract] OR "prophylactic institution"[Title/Abstract] OR "prophylactic management"[Title/Abstract] OR "prophylactic medication"[Title/Abstract] OR "prophylactic therapy"[Title/Abstract] OR "prophylactic treatment"[Title/Abstract] OR "prophylaxis"[Title/Abstract]
- #4 "Neoplasms"[Mesh] OR "Benign Neoplasm*"[Title/Abstract] OR "cancer*"[Title/Abstract] OR "Malignanc*"[Title/Abstract] OR "malignant neoplas*"[Title/Abstract] OR "malignant tumor?r"[Title/Abstract] OR "neoplas* malignancy"[Title/Abstract] OR "Neoplasia*"[Title/Abstract] OR "Neoplasm*"[Title/Abstract] OR "oncologi* malignancy"[Title/Abstract] OR "Tumor*"[Title/Abstract] OR "tumor* malignancy"[Title/Abstract]
- #5 #1 AND #2 AND #3 AND #4

Web of Science

- #1 TS=("Opioid-Induced Constipation" OR "narcotic bowel syndrome*" OR "opiate induced constipation*" OR "opioid induced bowel dysfunction*" OR "opioid induced constipation*")
- #2 TS=((Laxatives OR Cathartics OR "bowel evacuant*" OR "bowel preparation solution*" OR "bulk forming laxative*" OR "bulk laxative*" OR "cathartic agent" OR cathartic* OR laxantia OR laxati* OR "laxative agent" OR purgative* OR "stimulant laxative") OR (Lactulose OR "Polyethylene Glycols" OR "Senna Extract" OR Sennosides OR Bisacodyl OR "Magnesium Hydroxide" OR "Magnesium Oxide" OR "Magnesium Sulfate" OR "Mineral oil" OR Glycerol OR "Dioctyl Sulfosuccinic Acid" OR Phenolphthalein OR Rheum OR Sorbitol OR Aloe OR Psyllium OR "Castor Oil" OR "picosulfate sodium" OR "magnesium citrate"))
- #3 TS=("prevention and control" OR "Pre-Exposure Prophylaxis" OR "Post-Exposure Prophylaxis" OR control OR "disease prevention" OR "disease prophylaxis" OR "health protection" OR "Post Exposure Prevention" OR "Post Exposure Prophylaxis" OR "Pre Exposure Prophylaxi*" OR "precautionary action" OR prevention OR "preventive action" OR "preventive measure*" OR "preventive medication" OR "preventive therapy" OR "preventive treatment" OR "prophylactic institution" OR "prophylactic management" OR "prophylactic medication" OR "prophylactic therapy" OR "prophylactic treatment" OR prophylaxis)
- #4 TS=(Neoplasms OR "Benign Neoplasm*" OR cancer* OR Malignanc* OR "malignant neoplas*" OR "malignant tumor" OR "neoplas* malignancy" OR Neoplasia* OR Neoplasm* OR "oncologi* malignancy" OR Tumor* OR "tumoral malignancy" OR "tumorous malignancy")
- #5 #1 AND #2 AND #3 AND #4

Embase

#32. #28 AND #29 AND #30 AND #31

#31. #26 OR #27

#30. #23 OR #24 OR #25

#29. #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 OR #16 OR #17 OR #18 OR #19 OR #20 OR #21 OR #22

#28. #1 OR #2

#27. 'benign neoplasm*':ti,ab,kw OR 'cancer*':ti,ab,kw OR 'malignanc*':ti,ab,kw OR 'malignant
neoplas*':ti,ab,kw OR 'malignant tumo?r':ti,ab,kw OR 'neoplas* malignancy':ti,ab,kw OR
'neoplasia*':ti,ab,kw OR 'neoplasm*':ti,ab,kw OR 'oncologi* malignancy':ti,ab,kw OR
'tumor*':ti,ab,kw OR 'tumoral malignancy':ti,ab,kw OR 'tumorous malignancy':ti,ab,kw

#26. 'malignant neoplasm'/exp

#25. 'control':ti,ab,kw OR 'disease prevention':ti,ab,kw OR 'disease prophylaxis':ti,ab,kw OR
'health protection':ti,ab,kw OR 'post exposure prevention':ti,ab,kw OR 'post exposure
prophylaxis':ti,ab,kw OR 'pre exposure prophylaxi*':ti,ab,kw OR 'precautionary
action':ti,ab,kw OR 'prevention':ti,ab,kw OR 'preventive action':ti,ab,kw OR 'preventive
measure*':ti,ab,kw OR 'preventive medication':ti,ab,kw OR 'preventive therapy':ti,ab,kw OR
'preventive treatment':ti,ab,kw OR 'prophylactic institution':ti,ab,kw OR 'prophylactic
management':ti,ab,kw OR 'prophylactic medication':ti,ab,kw OR 'prophylactic
therapy':ti,ab,kw OR 'prophylactic treatment':ti,ab,kw OR 'prophylaxis':ti,ab,kw

#24. 'prevention'/exp

#23. 'prophylaxis'/exp

#22. 'bowel evacuant*':ti,ab,kw OR 'bowel preparation solution*':ti,ab,kw OR 'bulk forming
laxative*':ti,ab,kw OR 'bulk laxative*':ti,ab,kw OR 'cathartic agent':ti,ab,kw OR
'cathartic*':ti,ab,kw OR 'laxantia':ti,ab,kw OR 'laxati*':ti,ab,kw OR 'laxative agent':ti,ab,kw
OR 'purgative*':ti,ab,kw OR 'stimulant laxative':ti,ab,kw

#21. 'ispagula'/exp

#20. 'castor oil'/exp

#19. 'picosulfate sodium'/exp

#18. 'magnesium citrate'/exp

#17. 'aloe'/exp

#16. 'sorbitol'/exp

#15. 'rheum'/exp

#14. 'phenolphthalein'/exp

- #13. 'docusate sodium'/exp
- #12. 'glycerol'/exp
- #11. 'magnesium sulfate'/exp
- #10. 'magnesium oxide'/exp
- #9. 'magnesium hydroxide'/exp
- #8. 'mineral oil'/exp
- #7. 'sennoside'/exp
- #6. 'bisacodyl'/exp
- #5. 'lactulose'/exp
- #4. 'macrogol derivative'/exp
- #3. 'laxative'/exp
- #2. 'narcotic bowel syndrome*':ti,ab,kw OR 'opiate induced constipation*':ti,ab,kw OR 'opioid induced bowel dysfunction*':ti,ab,kw OR 'opioid induced constipation*':ti,ab,kw
- #1. 'opioid induced constipation'/exp

Cochrane Library

- #1 MeSH descriptor: [Opioid-Induced Constipation] explode all trees
- #2 ('narcotic bowel syndrome*' OR 'opiate induced constipation*' OR 'opioid induced bowel dysfunction*' OR 'opioid induced constipation*'):ti,ab,kw
- #3 MeSH descriptor: [Laxatives] explode all trees
- #4 MeSH descriptor: [Cathartics] explode all trees
- #5 ('bowel evacuant*' OR 'bowel preparation solution*' OR 'bulk forming laxative*' OR 'bulk laxative*' OR 'cathartic agent' OR 'cathartic*' OR 'laxantia' OR 'laxati*' OR 'laxative agent' OR 'purgative*' OR 'stimulant laxative'):ti,ab,kw
- #6 MeSH descriptor: [Polyethylene Glycols] explode all trees
- #7 MeSH descriptor: [Lactulose] explode all trees
- #8 MeSH descriptor: [Bisacodyl] explode all trees
- #9 MeSH descriptor: [Sennosides] explode all trees
- #10 MeSH descriptor: [Senna Extract] explode all trees
- #11 MeSH descriptor: [Mineral Oil] explode all trees
- #12 MeSH descriptor: [Magnesium Hydroxide] explode all trees
- #13 MeSH descriptor: [Magnesium Oxide] explode all trees
- #14 MeSH descriptor: [Magnesium Sulfate] explode all trees
- #15 MeSH descriptor: [Glycerol] explode all trees
- #16 MeSH descriptor: [Dioctyl Sulfosuccinic Acid] explode all trees
- #17 MeSH descriptor: [Phenolphthaleins] explode all trees
- #18 MeSH descriptor: [Rheum] explode all trees
- #19 MeSH descriptor: [Sorbitol] explode all trees
- #20 MeSH descriptor: [Aloe] explode all trees
- #21 MeSH descriptor: [Psyllium] explode all trees
- #22 MeSH descriptor: [Castor Oil] explode all trees
- #23 ('picosulfate sodium' OR 'magnesium citrate'):ti,ab,kw
- #24 MeSH descriptor: [Pre-Exposure Prophylaxis] explode all trees
- #25 MeSH descriptor: [Post-Exposure Prophylaxis] explode all trees
- #26 ('control' OR 'disease prevention' OR 'disease prophylaxis' OR 'health protection' OR 'Post Exposure Prevention' OR 'Post Exposure Prophylaxis' OR 'Pre Exposure Prophylaxi*' OR

'precautionary action' OR 'prevention' OR 'preventive action' OR 'preventive measure*' OR 'preventive medication' OR 'preventive therapy' OR 'preventive treatment' OR 'prophylactic institution' OR 'prophylactic management' OR 'prophylactic medication' OR 'prophylactic therapy' OR 'prophylactic treatment' OR 'prophylaxis'):ti,ab,kw

#27 MeSH descriptor: [Neoplasms] explode all trees

#28 ('Benign Neoplasm*' OR 'cancer*' OR 'Malignanc*' OR 'malignant neoplas*' OR 'malignant tumor?' OR 'neoplas* malignancy' OR 'Neoplasia*' OR 'Neoplasm*' OR 'oncologi* malignancy' OR 'Tumor*' OR 'tumoral malignancy' OR 'tumorous malignancy'):ti,ab,kw

#29 #1 OR #2

#30 #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 OR #16 OR #17 OR #18 OR #19 OR #20 OR #21 OR #22 OR #23

#31 #24 OR #25 OR #26

#32 #27 OR #28

#33 #29 AND #30 AND #31 AND #32

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S13 S9 AND S10 AND S11 AND S12

S12 S7 OR S8

S11 S5 OR S6

S10 S3 OR S4

S9 S1 OR S2

S8 "Benign Neoplasm*" OR "cancer*" OR "Malignanc*" OR "malignant neoplas*" OR "malignant tumor*" OR "neoplas* malignancy" OR "Neoplasia*" OR "Neoplasm*" OR "oncologi* malignancy" OR "Tumor*" OR "tumoral malignancy" OR "tumorous malignancy"

S7 (MH "Neoplasms+")

S6 "control" OR "disease prevention" OR "disease prophylaxis" OR "health protection" OR "Post Exposure Prevention" OR "Post Exposure Prophylaxis" OR "Pre Exposure Prophylaxi*" OR "precautionary action" OR prevention OR "preventive action" OR "preventive measure*" OR "preventive medication" OR "preventive therapy" OR "preventive treatment" OR "prophylactic institution" OR "prophylactic management" OR "prophylactic medication" OR "prophylactic therapy" OR "prophylactic treatment" OR "prophylaxis"

S5 (MH "Pre-Exposure Prophylaxis") OR (MH "Postexposure Follow-Up")

S4 "bowel evacuant*" OR "bowel preparation solution*" OR "bulk forming laxative*" OR "bulk laxative*" OR "cathartic agent" OR "cathartic*" OR "laxantia" OR "laxati*" OR "laxative agent" OR "purgative*" OR "stimulant laxative") OR ("Lactulose" OR "Senna Extract" OR "Sennosides" OR "Bisacodyl" OR "Magnesium Hydroxide" OR "Magnesium Oxide" OR "Glycerol" OR "Dioctyl Sulfosuccinic Acid" OR "Phenolphthalein" OR "Rheum" OR "Sorbitol" OR "Aloe" OR "picosulfate sodium" OR "magnesium citrate"

S3 (MH "Cathartics") OR (MH "Castor Oil") OR (MH "Magnesium Sulfate") OR (MH "Mineral Oil") OR (MH "Polyethylene Glycols") OR (MH "Psyllium")

S2 "narcotic bowel syndrome*" OR "opiate induced constipation*" OR "opioid induced bowel dysfunction*" OR "opioid induced constipation*"

S1 (MH "Opioid-Induced Constipation")