Identifying key priorities for faecal incontinence research: results from a priority setting exercise by Cochrane Incontinence

Supplementary Appendices

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Supplementary Appendix A: REPRISE guidelines

No	Item	Descriptor and/or <i>examples</i>	Page No.
Α	Context and scope		
1	Define geographical scope	Global, regional, national, city, local area, institutional/organisational level, health service	Background section
			(pg. 3)
2	Define health area, field, focus	Disease or condition specific, interventions, healthcare delivery, health system	Background section
			(pg. 3)
3	Define end-users of research	Intended beneficiaries e.g. general population or a specific population based on demographic (age,	Background section
		gender), clinical (disease, condition), or other characteristics	(pg. 3)
4	Define the target audience of the	Policy makers, funders, researchers, industry	Background section
	priorities		(pg. 3)
5	Identify the broad research area	Public health, health services research, clinical research, basic science	Background section
			(pg. 3)
6	Identify the type of research question	Etiology, diagnosis, prevention, treatment (interventions), prognosis, health services, psychosocial,	Background section
		behavioral and social science, economic evaluation, implementation	(pg. 3)
7	Define the time frame	Interim, short-term, long-term priorities, plans to revise and update	Background section
			(pg. 3)
В	Governance and team		
8	Describe selection of the leadership	Those responsible for initiating, developing, and guiding the process for priority setting e.g.	Steering committee
	and management team	Steering Committee, Advisory Group, Technical Experts	members listed in
			Acknowledgements
9	Describe the characteristics of the	Stakeholder groups, organisations or networks represented, characteristics (demographics,	Survey responses (pg.
	team, and the networks they	experience, expertise)	14) and Priorities from
	represent		Workshop (pg. 17)

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10	Describe any training or experience in	Consultants or advisors with experience in priority setting	Lynne Corner member
	priority setting		of Steering Group
			(listed in
			Acknowledgements)
С	Framework for priority setting		
11	State the framework used (if any)	James Lind Alliance, COHRED, CHNRI, no framework	No framework used.
D	Stakeholders or participants		
12	Define the inclusion criteria for	Patients, caregivers, general community, health professionals, researchers, policy makers, non-	Stakeholder survey
	stakeholders involved in priority-	governmental organisations, government, industry; specific groups including vulnerable and	(pg. 15)
	setting	marginalized populations	Stakeholder workshop
			section (from pg.
			Error! Bookmark not
			defined.)
13	State the strategy or method for	Partnership with organizations, social media, recruitment through hospitals	Stakeholder survey
	identifying and engaging stakeholders		(pg. 15)
			Stakeholder workshop
			section (from pg.
			Error! Bookmark not
			defined.)
14	Indicate the number of participants	Number of individuals and organisations, include number by stakeholder group	Survey responses (pg.
	and/or organisations involved		14) and Priorities from
			Workshop (pg. 17)
15	Describe the characteristics of	Stakeholder group, demographic characteristics, areas of interest and expertise, discipline,	Survey responses (pg.
	stakeholders	affiliations	14) and Priorities from
			Workshop (pg. 17)

16	State if reimbursement for	Cash, vouchers, certificates, acknowledgement; what purpose e.g. travel, accommodation,	None given
	participation was provided	honorarium	
Е	Identification and collection of		
	research priorities		
17	Describe methods for collecting	Methods e.g. Delphi survey, surveys, nominal group technique, interviews, focus groups, meetings,	Pgs. Error!
	priorities from stakeholders	workshops; prioritization e.g. voting, ranking; mode e.g. face-to-face, online; may be informed by	Bookmark not
		evidence e.g, systematic reviews, reviews of guidelines/other documents	defined. and Error!
			Bookmark not
			defined.
18	Describe methods for collating and	Taxonomy or other framework used to organise, summarise, and aggregate topics or questions	See Methods section
	categorizing priorities		(pg. Error! Bookmark
			not defined.)
19	Describe methods and reasons for	Based on scope, clarity, definition, duplication, other criteria	NA
	removing priorities		
20	Describe methods for refining or	Reviewed by Steering Committee or project team	NA
	translating priorities into research		
	topics or questions		
21	Describe methods for checking	Systematic reviews, evidence mapping, consultation with experts	Systematic review
	whether research questions or topics		evidence – pg. 16
	have been answered		
22	Describe number of research	Number of priorities at each stage of the process	Tables 2-4
	questions or topics		
F	Prioritisation of research		
	topics/questions		
23	Describe methods and criteria for	Methods e.g. Delphi survey, surveys, nominal group technique, interviews, focus groups, meetings,	Pg. 5
	prioritising research topics or	workshops; prioritisation e.g. voting, ranking; mode e.g. face-to-face, online; criteria e.g. need,	
	questions	feasibility, novelty, equity	

24	Provide reasons for excluding research topics/questions	Thresholds for ranking scores, proportions, votes; other criteria	NA
G	Output		
25	Specificity of research priorities are	Area, topic, questions, PICO (population, intervention, comparator, outcome)	NA
	clear		
Н	Evaluation and feedback		
26	Describe how the process of	Survey, workshop	NA
	prioritization was evaluated		
27	Describe the approach for feeding	Public meetings or workshop, newsletters, website, email	NA
	back priorities to stakeholders and/or		
	to the public; and how feedback was		
	addressed and integrated		
I	Implementation		
28	Outline the strategy or action plans for	Communication with target audience, via policies and funding	NA
	implementing priorities		
29	Describe evaluation of impact	Integration in decision-making, funding allocation	NA
J	Funding and conflict of interest		
30	State sources of funding	Name sources of funding for the priority-setting exercise	Listed in grant support
			(pg 1)
31	Outline the budget and/or cost	Indicate budget and cost	Not reported
32	Provide declaration of conflict of	Statement of conflict of interest	Pg. 1
	interest		

Tong A, Synnot A, Crowe S, Hill S, Matus S, Scholes-Robertson N, Oliver O, Cowan K, Nasser M, Bhaumik S, Gutman T, Baumgart A, Craig JC. Reporting Guideline for Priority Setting of Health Research (REPRISE). BMC Med Res Methodol. 2019;19(1):243.

Supplementary Appendix 2: Search strategies to identify systematic reviews on FI and incontinence of flatus

Topic related search terms were used and combined with 'AND' with the search filters for identifying systematic reviews developed by CADTH (Strings attached: CADTH database search filters [Internet]. Ottawa: CADTH; 2016. [cited 2020 05 20]. Available from: /resources/finding-evidence)

Faecal incontinence

We searched:

The Database of Abstracts of Reviews of Effects (DARE) on the Centre for Reviews and Dissemination (CRD) <u>website</u> (covering from the earliest record in DARE up to and including 31 December 2014 when their coverage ended) on 28 July 2020.

As DARE is no longer actively updated we performed searches of the following databases to identify eligible systematic reviews (using the systematic review filters developed by CADTH⁵) within these databases from 1 January 2015 onwards:

- MEDLINE(R), covering 1 January 1946 to July Week 3 2020, MEDLINE(R) In-Process and Other Non-Indexed Citations, covering 1946 to 24 July 2020, Ovid MEDLINE(R) Daily Update (last updated 24 July 2020), MEDLINE(R) Epub Ahead of Print (last update on 24 July 2020) were searched on 28 July 2020 (all on Ovid);
- Embase (on Ovid), covering 1 January 1974 to 2020 Week 30, was searched on 28 July 2020;
- APA PsycINFO (on Ovid), covering 1 January 1806 to July Week 3 2020 was searched on 29 July 2020;
- CINAHL (on EBSCOhost), covering 1 January 1982 to 20200729 was searched on 29 July 2020;
- Cochrane Database of Systematic Reviews (CDSR), covering from inception to Issue 8, 2020 was searched on 19 August 2020;
- International HTA Database (INAHTA) available at https://www.inahta.org/hta-database/, covering from inception to 29 July 2020 was searched on 29 July 2020;
- KSR Evidence, available from https://ksrevidence.com/ covering from 1 January 2015 to 28 July 2020 was searched on 28 July 2020.

The search strategies used in each database are given below.

Incontinence of flatus

Additional supplemental searches for incontinence of flatus were performed in the following databases:

- DARE on the Centre for Reviews and Dissemination (CRD) <u>website</u> (covering from the earliest record in DARE up to and including 31 December 2014 when their coverage ended) was searched on 21 August 2020
- MEDLINE(R) and In-Process & Other Non-Indexed Citations covering 1946 to 17 August 2020, MEDLINE(R) Daily Update dated 17 August 2020, MEDLINE(R) Epub Ahead of Print dated 17 August 2020 were searched on 18 August 2020 (all on Ovid)
- Embase (on Ovid), covering 1 January 1974 to 2020 Week 33 was searched on 20 August 2020

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- APA PsycINFO (on Ovid), covering 1 January 1806 to August Week 3 2020 was searched on 20 August 2020
- CINAHL (on EBSCOhost), covering 1 January 1982 to 20200820 was searched on 20 August 2020
- INAHTA, covering from inception to 21 August 2020 was searched on 21 August 2020

The search of CDSR included terms covering incontinence of flatus and so supplemental searches were not performed. Supplemental searches were not conducted in KSR Evidence as the free trial period was over.

DARE

Faecal incontinence

The **Database of Abstracts of Reviews of Effects** (DARE) on the Centre for Reviews and Dissemination (CRD) <u>website</u> (covering from the earliest record in DARE up to and including 31 December 2014 when their coverage ended) was searched on 28 July 2020 using the following search terms:

Line	Search
1	MeSH DESCRIPTOR fecal incontinence EXPLODE ALL TREES
2	MeSH DESCRIPTOR anal canal EXPLODE ALL TREES
3	MeSH DESCRIPTOR encopresis EXPLODE ALL TREES
4	MeSH DESCRIPTOR defecography EXPLODE ALL TREES
5	MeSH DESCRIPTOR Fecal Impaction EXPLODE ALL TREES
6	MeSH DESCRIPTOR Elimination Disorders EXPLODE ALL TREES
7	MeSH DESCRIPTOR Constipation EXPLODE ALL TREES
8	MeSH DESCRIPTOR Hirschsprung Disease EXPLODE ALL TREES
9	MeSH DESCRIPTOR megacolon EXPLODE ALL TREES
10	(defecation NEAR2 disorder*) OR (defaecation NEAR2 disorder*)
11	(stool* NEAR25 incontinen*) OR (stool* NEAR25 continen*) IN
12	(fecal* NEAR25 incontinen*) OR (fecal* NEAR25 continen*) IN
13	(faecal* NEAR25 incontinen*) OR (faecal* NEAR25 continen*)
14	(faeces NEAR25 incontinen*) OR (faeces* NEAR25 continen*)
15	(feces NEAR25 incontinen*) OR (feces* NEAR25 continen*)
16	(bowel* NEAR25 incontinen*) OR (bowel* NEAR25 continen*)
17	(anal NEAR25 incontinen*) OR (anal NEAR25 continen*)
18	(anus NEAR25 incontinen*) OR (anus NEAR25 continen*)
19	(encopre*)
20	(defaecograph*) OR (defecograph*)
21	(impact* NEAR2 feces) OR (impact* NEAR2 faeces)
22	(impact* NEAR2 fecal) OR (impact* NEAR2 faecal) OR (impact* NEAR2 stool)
23	(pudend* NEAR2 neuropath*) OR (pudend* NEAR2 latenc*)
24	(megarectum*)
25	(leak* NEAR2 fecal) OR (leak* NEAR2 faecal) OR (leak* NEAR2 stool*)
26	(leak* NEAR2 feces) OR (leak* NEAR2 faeces) OR (leak* NEAR2 motion*)
27	(soil* NEAR2 feces) OR (soil* NEAR2 faeces)
28	(soil* NEAR2 fecal) OR (soil* NEAR2 faecal)
29	(postanal*)

Incontinence of flatus

30	(bowel* NEAR25 manag*)
31	(elimination disorder*)
32	(expulsion NEAR2 feces) OR (expulsion NEAR2 faeces)
	(expulsion NEAR2 fecal) OR (expulsion NEAR2 faecal)
33	
34	(expel* NEAR2 fecal) OR (expel* NEAR2 faecal)
35	(expel* NEAR2 feces) OR (expel* NEAR2 faeces)
36	(megacolon)
37	(retent* NEAR2 feces) OR (retent* NEAR2 faeces)
38	(retent* NEAR2 fecal) OR (retent* NEAR2 faecal)
39	(retain* NEAR2 fecal) OR (retain* NEAR2 faecal)
40	(retain* NEAR2 feces) OR (retain* NEAR2 faeces)
41	(retain* NEAR2 stool*) OR (retent* NEAR2 stool*)
42	(expel* NEAR2 stool*) OR (expulsion* NEAR2 stool*)
43	(anismus)
44	(urge* NEAR2 fecal) OR (urge* NEAR2 faecal) OR (urge* NEAR2 stool*)
45	(frequen* NEAR2 fecal) OR (frequen* NEAR2 faecal) OR (frequen* NEAR2 stool*)
46	(frequen* NEAR2 feces) OR (frequen* NEAR2 faeces)
47	(urge* NEAR2 feces) OR (urge* NEAR2 faeces)
48	(spastic* NEAR2 bowel*) OR (spastic* NEAR2 colon*)
49	(sphincter NEAR2 hypotoni*)
50	(evacuat* NEAR2 feces) OR (evacuat* NEAR2 faeces) OR (evacuat* NEAR2 stool*)
51	(evacuat* NEAR2 feces) OR (evacuat* NEAR2 faeces) OR (evacuat* NEAR2 stool*)
52	(evacuat* NEAR2 fecal) OR (evacuat* NEAR2 faecal) OR (evacuat* NEAR2 motion*)
53	(evacuat* NEAR2 bowel*)
54	(voluntary NEAR2 placement*) OR (abnormal NEAR2 placement*)
55	(dyschezia) OR (obstipation) OR (soiling)
56	(pelvic NEAR2 dyssynerg*)
57	(bowel* NEAR2 control*) OR (colonic NEAR2 aganglionosis) OR (colonic NEAR2 inertia)
58	(seep* NEAR feces) OR (seep* NEAR faeces)
59	(seep* NEAR fecal) OR (seep* NEAR faecal)
60	(loss* NEAR2 feces) OR (loss* NEAR2 faeces)
61	(loss* NEAR2 fecal) OR (loss* NEAR2 faecal)
62	(loss* NEAR2 stool*) OR (loss* NEAR2 motion*)
63	(seep* NEAR2 stool*) OR (seep* NEAR2 motion*)
64	(urge* NEAR2 defecat*) OR (urge* NEAR2 defaecat*)
65	(frequen* NEAR2 defecat*) OR (frequen* NEAR2 defaecat*)
66	(bowel NEAR2 program\$)
67	(neurogen* NEAR2 bowel*) OR (neuropath* NEAR2 bowel*)
68	#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 OR #16 OR #17 OR #18 OR #19 OR #20 OR #21 OR #22 OR #23 OR #24 OR #25 OR #26 OR
	#27 OR #28 OR #29 OR #30 OR #31 OR #32 OR #33 OR #34 OR #35 OR #36 OR #37 OR #38 OR #39
	OR #40 OR #41 OR #42 OR #43 OR #44 OR #45 OR #46 OR #47 OR #48 OR #49 OR #50 OR #51 OR
	#52 OR #53 OR #54 OR #55 OR #56 OR #57 OR #58 OR #59 OR #60 OR #61 OR #62 OR #63 OR #64
	OR #65 OR #66 OR #67
69	(#68) IN DARE

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DARE on the Centre for Reviews and Dissemination (CRD) <u>website</u> (covering from the earliest record in DARE up to and including 31 December 2014 when their coverage ended) was searched on 21 August 2020

(((flatus or flatal) NEAR25 (incontinen* or continen*))) OR (((incontinen* or continen*) NEAR25 (flatus or flatal))) IN DARE

MEDLINE

Faecal incontinence

MEDLINE(R) (on Ovid), covering 1 January 1946 to July Week 3 2020; MEDLINE(R) InProcess and Other NonIndexed Citations, covering 1946 to 24 July 2020, Ovid MEDLINE(R) Daily Update (last updated 24 July 2020), MEDLINE(R) Epub Ahead of Print (last update on 24 July 2020) were searched on 28 July 2020 using the following terms:

#	Searches
1	meta-analysis.pt.
2	meta-analysis/ or systematic review/ or meta-analysis as topic/ or "meta analysis (topic)"/
	or "systematic review (topic)"/ or exp technology assessment, biomedical/
3	((systematic* adj3 (review* or overview*)) or (methodologic* adj3 (review* or
	overview*))).ti,ab,kw.
4	((quantitative adj3 (review* or overview* or synthes*)) or (research adj3 (integrati* or
	overview*))).ti,ab,kw.
5	((integrative adj3 (review* or overview*)) or (collaborative adj3 (review* or overview*))
	or (pool* adj3 analy*)).ti,ab,kw.
6	(data synthes* or data extraction* or data abstraction*).ti,ab,kw.
7	(handsearch* or hand search*).ti,ab,kw.
8	(mantel haenszel or peto or der simonian or dersimonian or fixed effect* or latin
	square*).ti,ab,kw.
9	(met analy* or metanaly* or technology assessment* or HTA or HTAs or technology
	overview* or technology appraisal*).ti,ab,kw.
10	(meta regression* or metaregression*).ti,ab,kw.
11	(meta-analy* or metaanaly* or systematic review* or biomedical technology assessment*
	or bio-medical technology assessment*).mp,hw.
12	(medline or cochrane or pubmed or medlars or embase or cinahl).ti,ab,hw.
13	(cochrane or (health adj2 technology assessment) or evidence report).jw.
14	(comparative adj3 (efficacy or effectiveness)).ti,ab,kw.
15	(outcomes research or relative effectiveness).ti,ab,kw.
16	((indirect or indirect treatment or mixed-treatment) adj comparison*).ti,ab,kw.
17	or/1-16
18	(defecation adj2 disorder\$).tw.
19	(defaecation adj2 disorder\$).tw.
20	(stool\$ adj25 (incontinen\$ or continen\$)).tw.
21	fecal incontinence/
22	encopre\$.tw.

23	encopresis/
24	(leak\$ adj2 (fecal or faecal or feces or faeces or stool\$ or motion\$)).tw.
25	(soil\$ adj2 (faeces or feces or fecal or faecal)).tw.
26	(bowel\$ adj25 manag\$).tw.
27	((fecal or faecal or feces or faeces or stool\$) adj2 (urge\$ or frequen\$)).tw.
28	(sphincter adj2 hypotoni\$).tw.
29	soiling.tw.
30	(bowel\$ adj2 control\$).tw.
31	(pelvic adj2 dyssynerg\$).tw.
32	((feces or faeces or fecal or faecal) adj2 (seep\$ or leak\$ or loss)).tw.
33	((stool\$ or motion\$) adj2 (seep\$ or leak\$)).tw.
34	((defecat\$ or defaecat\$) adj2 (urge\$ or frequent\$)).tw.
35	(bowel adj2 program\$).tw.
36	((neurogen\$ or neuropath\$) adj2 bowel\$).tw.
37	((fecal or faecal or feces or faeces or stool* or anal or anus or bowel or alvi) adj25
	(incontinen\$ or continen\$)).tw.
38	or/18-37
39	17 and 38

Incontinence of flatus

MEDLINE(R) and In-Process & Other Non-Indexed Citations covering 1946 to 17 August 2020, MEDLINE(R) Daily Update dated 17 August 2020, MEDLINE(R) Epub Ahead of Print updated 17 August 2020 were searched on 18 August 2020 (all on Ovid) using the following terms combined with line 17 above using 'AND':

((flatus or flatal) adj25 (incontinen\$ or continen\$)).tw.

Embase

Faecal incontinence

Embase (on Ovid), covering 1 January 1974 to 2020 Week 30, was searched on 28 July 2020 using the following search terms:

#	Searches
1	1. meta-analysis.pt.
2	2. meta-analysis/ or systematic review/ or meta-analysis as topic/ or "meta analysis
	(topic)"/ or "systematic review (topic)"/ or exp technology assessment, biomedical/
3	3. ((systematic* adj3 (review* or overview*)) or (methodologic* adj3 (review* or
	overview*))).ti,ab,kw.
4	4. ((quantitative adj3 (review* or overview* or synthes*)) or (research adj3 (integrati* or
	overview*))).ti,ab,kw.
5	5. ((integrative adj3 (review* or overview*)) or (collaborative adj3 (review* or
	overview*)) or (pool* adj3 analy*)).ti,ab,kw.
6	6. (data synthes* or data extraction* or data abstraction*).ti,ab,kw.
7	7. (handsearch* or hand search*).ti,ab,kw.

8	8. (mantel haenszel or peto or der simonian or dersimonian or fixed effect* or latin
	square*).ti,ab,kw.
9	9. (met analy* or metanaly* or technology assessment* or HTA or HTAs or technology
	overview* or technology appraisal*).ti,ab,kw.
10	10. (meta regression* or metaregression*).ti,ab,kw.
11	11. (meta-analy* or metaanaly* or systematic review* or biomedical technology
	assessment* or bio-medical technology assessment*).mp,hw.
12	12. (medline or cochrane or pubmed or medlars or embase or cinahl).ti,ab,hw.
13	13. (cochrane or (health adj2 technology assessment) or evidence report).jw.
14	14. (comparative adj3 (efficacy or effectiveness)).ti,ab,kw.
15	15. (outcomes research or relative effectiveness).ti,ab,kw.
16	16. ((indirect or indirect treatment or mixed-treatment) adj comparison*).ti,ab,kw.
17	17. or/1-16
18	18. (defecation adj2 disorder\$).tw.
19	19. (defaecation adj2 disorder\$).tw.
20	20. (stool\$ adj25 (incontinen\$ or continen\$)).tw.
21	21. fecal incontinence/
22	22. encopre\$.tw.
23	23. encopresis/
24	(leak\$ adj2 (fecal or faecal or feces or faeces or stool\$ or motion\$)).tw.
25	(soil\$ adj2 (faeces or feces or fecal or faecal)).tw.
26	(bowel\$ adj25 manag\$).tw.
27	((fecal or faecal or feces or faeces or stool\$) adj2 (urge\$ or frequen\$)).tw.
28	(sphincter adj2 hypotoni\$).tw.
29	soiling.tw.
30	(bowel\$ adj2 control\$).tw.
31	(pelvic adj2 dyssynerg\$).tw.
32	((feces or faeces or fecal or faecal) adj2 (seep\$ or leak\$ or loss)).tw.
33	((stool\$ or motion\$) adj2 (seep\$ or leak\$)).tw.
34	((defecat\$ or defaecat\$) adj2 (urge\$ or frequent\$)).tw.
35	(bowel adj2 program\$).tw.
36	((neurogen\$ or neuropath\$) adj2 bowel\$).tw.
37	feces incontinence/
38	((fecal or faecal or feces or faeces or stool* or anal or anus or bowel or alvi) adj25
	(incontinen\$ or continen\$)).tw.
39	defecation disorder/
40	defecation urgency/
41	or/18-40
42	17 and 41
43	limit 42 to Embase
-	

Incontinence of flatus

Embase (on Ovid), covering 1 January 1974 to 2020 Week 33 was searched on 20 August 2020 using the following terms

((flatus or flatal) adj25 (incontinen\$ or continen\$)).tw. which was combined with line 17 above and limited to 'Embase'.

APA PsycINFO

Faecal incontinence

APA PsycINFO (on Ovid), covering 1 January 1806 to July Week 3 2020 was searched on 29 July 2020 using the following search terms:

Note on this search: The CADTH terms .kw. and .kf. do not work – nor does .jw. (the equivalent is jx in PsycINFO). Although there is the .pt. field in PsycInfo there are few publication types and it does not include meta-analysis.pt. so have removed that. The CADTH filter does have the .md. field – methodology – they didn't have 'Metasynthesis' though – which could be useful so added that term to the search terms listed below. In the PsycINFO thesaurus fecal incontinence/ and the term encopresis/ are interchangeable – both have been kept in this search.

1 "systematic review (topic)"/ or exp technology assessment, biomedical/ 2 ((systematic* adj3 (review* or overview*)) or (methodologic* adj3 (review* or overview*))) ti,ab. 3 ((quantitative adj3 (review* or overview* or synthes*)) or (research adj3 (integrati* or overview*))) ti,ab. 4 ((integrative adj3 (review* or overview*)) or (collaborative adj3 (review* or overview*)) or (pool* adj3 analy*)).ti,ab. 5 (data synthes* or data extraction* or data abstraction*).ti,ab. 6 (handsearch* or hand search*).ti,ab. 7 (mantel haenszel or peto or der simonian or dersimonian or fixed effect* or latin square*).t 8 (met analy* or metanaly* or technology assessment* or HTA or HTAs or technology overvie or technology appraisal*).ti,ab. 9 (meta-analy* or metanaly* or systematic review* or biomedical technology assessment* or metares or cinahl).ti,ab,hw. 10 (medine or cochrane or pubmed or medlars or embase or cinahl).ti,ab,hw. 12 (cochrane or (health adj2 technology assessment) or evidence report).jx. 13 (comparative adj3 (efficacy or effectiveness).ti,ab. 14 (outcomes research or relative effectiveness).ti,ab. 15 ((indirect or indirect treatment or mixed-treatment) adj comparison*).ti,ab.		Searches
"systematic review (topic)"/ or exp technology assessment, biomedical/ 2 ((systematic* adj3 (review* or overview*)) or (methodologic* adj3 (review* or overview*))) ti,ab. 3 ((quantitative adj3 (review* or overview* or synthes*)) or (research adj3 (integrati* or overview*))).ti,ab. 4 ((integrative adj3 (review* or overview*)) or (collaborative adj3 (review* or overview*)) or (pool* adj3 analy*)).ti,ab. 5 (data synthes* or data extraction* or data abstraction*).ti,ab. 6 (handsearch* or hand search*).ti,ab. 7 (mantel haenszel or peto or der simonian or dersimonian or fixed effect* or latin square*).ti or technology appraisal*).ti,ab. 8 (met analy* or metanaly* or technology assessment* or HTA or HTAs or technology overvies or technology appraisal*).ti,ab. 9 (meta-analy* or metanaly* or systematic review* or biomedical technology assessment* or bio-medical technology assessment* or bio-medical technology assessment* or models or embase or cinahl).ti,ab,hw. 10 (cochrane or (health adj2 technology assessment) or evidence report).jx. 13 (comparative adj3 (efficacy or effectiveness).ti,ab. 14 (outcomes research or relative effectiveness).ti,ab. 15 ((indirect or indirect treatment or mixed-treatment) adj comparison*).ti,ab. 16 (meta-analysis or systematic review or metasynthesis).md. 17 or/1-16 <td></td> <td>meta-analysis/ or systematic review/ or meta-analysis as topic/ or "meta analysis (topic)"/ or</td>		meta-analysis/ or systematic review/ or meta-analysis as topic/ or "meta analysis (topic)"/ or
2 overview*))).ti,ab. 3 ((quantitative adj3 (review* or overview* or synthes*)) or (research adj3 (integrati* or overview*))).ti,ab. 4 ((integrative adj3 (review* or overview*)) or (collaborative adj3 (review* or overview*)) or (pool* adj3 analy*)).ti,ab. 5 (data synthes* or data extraction* or data abstraction*).ti,ab. 6 (handsearch* or hand search*).ti,ab. 7 (mantel haenszel or peto or der simonian or dersimonian or fixed effect* or latin square*).t 8 (met analy* or metanaly* or technology assessment* or HTA or HTAs or technology overvie or technology appraisal*).ti,ab. 9 (meta-analy* or metanaly* or systematic review* or biomedical technology assessment* or bio-medical technology assessment* or metals or embase or cinahl).ti,ab,hw. 10 (medline or cochrane or pubmed or medlars or embase or cinahl).ti,ab,hw. 12 (cochrane or (health adj2 technology assessment) or evidence report).jx. 13 (comparative adj3 (efficacy or effectiveness).ti,ab. 14 (outcomes research or relative effectiveness).ti,ab. 15 ((indirect or indirect treatment or mixed-treatment) adj comparison*).ti,ab. 16 (meta-analysis or systematic review or metasynthesis).md. 17 or/1-16		"systematic review (topic)"/ or exp technology assessment, biomedical/
overview*))).ti,ab.3((quantitative adj3 (review* or overview* or synthes*)) or (research adj3 (integrati* or overview*))).ti,ab.4((integrative adj3 (review* or overview*)) or (collaborative adj3 (review* or overview*)) or (pool* adj3 analy*)).ti,ab.5(data synthes* or data extraction* or data abstraction*).ti,ab.6(handsearch* or hand search*).ti,ab.7(mantel haenszel or peto or der simonian or dersimonian or fixed effect* or latin square*).t (met analy* or metanaly* or technology assessment* or HTA or HTAs or technology overvie or technology appraisal*).ti,ab.9(meta regression* or metaregression*).ti,ab.10(meta-analy* or metanaly* or systematic review* or biomedical technology assessment* or bio-medical technology assessment*).mp,hw.11(medline or cochrane or pubmed or medlars or embase or cinahl).ti,ab,hw.12(cochrane or (health adj2 technology assessment) or evidence report).jx.13(comparative adj3 (efficacy or effectiveness)).ti,ab.14(outcomes research or relative effectiveness).ti,ab.15((indirect or indirect treatment or mixed-treatment) adj comparison*).ti,ab.16(meta-analysis or systematic review or metasynthesis).md.17or/1-16		((systematic* adj3 (review* or overview*)) or (methodologic* adj3 (review* or
3 overview*))).ti,ab. 4 ((integrative adj3 (review* or overview*)) or (collaborative adj3 (review* or overview*)) or (pool* adj3 analy*)).ti,ab. 5 (data synthes* or data extraction* or data abstraction*).ti,ab. 6 (handsearch* or hand search*).ti,ab. 7 (mantel haenszel or peto or der simonian or dersimonian or fixed effect* or latin square*).ti 8 (met analy* or metanaly* or technology assessment* or HTA or HTAs or technology overvies or technology appraisal*).ti,ab. 9 (meta regression* or metaregression*).ti,ab. 10 (meta-analy* or metanaly* or systematic review* or biomedical technology assessment* or bio-medical technology assessment*).mp,hw. 11 (medine or cochrane or pubmed or medlars or embase or cinahl).ti,ab,hw. 12 (cochrane or (health adj2 technology assessment) or evidence report).jx. 13 (comparative adj3 (efficacy or effectiveness).ti,ab. 14 (outcomes research or relative effectiveness).ti,ab. 15 ((indirect or indirect treatment or mixed-treatment) adj comparison*).ti,ab. 16 (meta-analysis or systematic review or metasynthesis).md. 17 or/1-16		overview*))).ti,ab.
overview*))).ti,ab.4((integrative adj3 (review* or overview*)) or (collaborative adj3 (review* or overview*)) or (pool* adj3 analy*)).ti,ab.5(data synthes* or data extraction* or data abstraction*).ti,ab.6(handsearch* or hand search*).ti,ab.7(mantel haenszel or peto or der simonian or dersimonian or fixed effect* or latin square*).t (met analy* or metanaly* or technology assessment* or HTA or HTAs or technology overvie or technology appraisal*).ti,ab.9(meta regression* or metaregression*).ti,ab.10(meta-analy* or metanaly* or systematic review* or biomedical technology assessment* or bio-medical technology assessment*).mp,hw.11(medline or cochrane or pubmed or medlars or embase or cinahl).ti,ab,hw.12(cochrane or (health adj2 technology assessment) or evidence report).jx.13(comparative adj3 (efficacy or effectiveness)).ti,ab.14(outcomes research or relative effectiveness).ti,ab.15((indirect or indirect treatment or mixed-treatment) adj comparison*).ti,ab.16(meta-analysis or systematic review or metasynthesis).md.17or/1-16		((quantitative adj3 (review* or overview* or synthes*)) or (research adj3 (integrati* or
4 (pool* adj3 analy*)).ti,ab. 5 (data synthes* or data extraction* or data abstraction*).ti,ab. 6 (handsearch* or hand search*).ti,ab. 7 (mantel haenszel or peto or der simonian or dersimonian or fixed effect* or latin square*).t 8 (met analy* or metanaly* or technology assessment* or HTA or HTAs or technology overvies or technology appraisal*).ti,ab. 9 (meta regression* or metaregression*).ti,ab. 10 (meta-analy* or metaanaly* or systematic review* or biomedical technology assessment*).mp,hw. 11 (medline or cochrane or pubmed or medlars or embase or cinahl).ti,ab,hw. 12 (cochrane or (health adj2 technology assessment) or evidence report).jx. 13 (comparative adj3 (efficacy or effectiveness)).ti,ab. 14 (outcomes research or relative effectiveness).ti,ab. 15 ((indirect or indirect treatment or mixed-treatment) adj comparison*).ti,ab. 16 (meta-analysis or systematic review or metasynthesis).md. 17 or/1-16		
(pool* adj3 analy*)).ti,ab.5(data synthes* or data extraction* or data abstraction*).ti,ab.6(handsearch* or hand search*).ti,ab.7(mantel haenszel or peto or der simonian or dersimonian or fixed effect* or latin square*).t8(met analy* or metanaly* or technology assessment* or HTA or HTAs or technology overvie or technology appraisal*).ti,ab.9(meta regression* or metaregression*).ti,ab.10(meta-analy* or metanaly* or systematic review* or biomedical technology assessment*). bio-medical technology assessment*).mp,hw.11(medline or cochrane or pubmed or medlars or embase or cinahl).ti,ab,hw.12(cochrane or (health adj2 technology assessment) or evidence report).jx.13(comparative adj3 (efficacy or effectiveness).ti,ab.14(outcomes research or relative effectiveness).ti,ab.15((indirect or indirect treatment or mixed-treatment) adj comparison*).ti,ab.16(meta-analysis or systematic review or metasynthesis).md.17or/1-16		
6(handsearch* or hand search*).ti,ab.7(mantel haenszel or peto or der simonian or dersimonian or fixed effect* or latin square*).t8(met analy* or metanaly* or technology assessment* or HTA or HTAs or technology overvie or technology appraisal*).ti,ab.9(meta regression* or metaregression*).ti,ab.10(meta-analy* or metanaly* or systematic review* or biomedical technology assessment* or bio-medical technology assessment*).mp,hw.11(medline or cochrane or pubmed or medlars or embase or cinahl).ti,ab,hw.12(cochrane or (health adj2 technology assessment) or evidence report).jx.13(comparative adj3 (efficacy or effectiveness)).ti,ab.14(outcomes research or relative effectiveness).ti,ab.15((indirect or indirect treatment or mixed-treatment) adj comparison*).ti,ab.16(meta-analysis or systematic review or metasynthesis).md.17or/1-16		
 7 (mantel haenszel or peto or der simonian or dersimonian or fixed effect* or latin square*).t 8 (met analy* or metanaly* or technology assessment* or HTA or HTAs or technology overviee or technology appraisal*).ti,ab. 9 (meta regression* or metaregression*).ti,ab. 10 (meta-analy* or metanaly* or systematic review* or biomedical technology assessment* or bio-medical technology assessment*).mp,hw. 11 (medline or cochrane or pubmed or medlars or embase or cinahl).ti,ab,hw. 12 (cochrane or (health adj2 technology assessment) or evidence report).jx. 13 (comparative adj3 (efficacy or effectiveness)).ti,ab. 14 (outcomes research or relative effectiveness).ti,ab. 15 ((indirect or indirect treatment or mixed-treatment) adj comparison*).ti,ab. 16 (meta-analysis or systematic review or metasynthesis).md. 17 or/1-16 		(data synthes* or data extraction* or data abstraction*).ti,ab.
8(met analy* or metanaly* or technology assessment* or HTA or HTAs or technology overvieor or technology appraisal*).ti,ab.9(meta regression* or metaregression*).ti,ab.10(meta-analy* or metaanaly* or systematic review* or biomedical technology assessment*). bio-medical technology assessment*).mp,hw.11(medline or cochrane or pubmed or medlars or embase or cinahl).ti,ab,hw.12(cochrane or (health adj2 technology assessment) or evidence report).jx.13(comparative adj3 (efficacy or effectiveness)).ti,ab.14(outcomes research or relative effectiveness).ti,ab.15((indirect or indirect treatment or mixed-treatment) adj comparison*).ti,ab.16(meta-analysis or systematic review or metasynthesis).md.17or/1-16		(handsearch* or hand search*).ti,ab.
8 or technology appraisal*).ti,ab. 9 (meta regression* or metaregression*).ti,ab. 10 (meta-analy* or metaanaly* or systematic review* or biomedical technology assessment*).mp,hw. 11 (medline or cochrane or pubmed or medlars or embase or cinahl).ti,ab,hw. 12 (cochrane or (health adj2 technology assessment) or evidence report).jx. 13 (comparative adj3 (efficacy or effectiveness)).ti,ab. 14 (outcomes research or relative effectiveness).ti,ab. 15 ((indirect or indirect treatment or mixed-treatment) adj comparison*).ti,ab. 16 (meta-analysis or systematic review or metasynthesis).md. 17 or/1-16		(mantel haenszel or peto or der simonian or dersimonian or fixed effect* or latin square*).ti,ab.
or technology appraisal*).ti,ab.9(meta regression* or metaregression*).ti,ab.10(meta-analy* or metaanaly* or systematic review* or biomedical technology assessment*).mp,hw.11(medline or cochrane or pubmed or medlars or embase or cinahl).ti,ab,hw.12(cochrane or (health adj2 technology assessment) or evidence report).jx.13(comparative adj3 (efficacy or effectiveness)).ti,ab.14(outcomes research or relative effectiveness).ti,ab.15((indirect or indirect treatment or mixed-treatment) adj comparison*).ti,ab.16(meta-analysis or systematic review or metasynthesis).md.17or/1-16		(met analy* or metanaly* or technology assessment* or HTA or HTAs or technology overview*
10(meta-analy* or metaanaly* or systematic review* or biomedical technology assessment* or bio-medical technology assessment*).mp,hw.11(medline or cochrane or pubmed or medlars or embase or cinahl).ti,ab,hw.12(cochrane or (health adj2 technology assessment) or evidence report).jx.13(comparative adj3 (efficacy or effectiveness)).ti,ab.14(outcomes research or relative effectiveness).ti,ab.15((indirect or indirect treatment or mixed-treatment) adj comparison*).ti,ab.16(meta-analysis or systematic review or metasynthesis).md.17or/1-16		or technology appraisal*).ti,ab.
10bio-medical technology assessment*).mp,hw.11(medline or cochrane or pubmed or medlars or embase or cinahl).ti,ab,hw.12(cochrane or (health adj2 technology assessment) or evidence report).jx.13(comparative adj3 (efficacy or effectiveness)).ti,ab.14(outcomes research or relative effectiveness).ti,ab.15((indirect or indirect treatment or mixed-treatment) adj comparison*).ti,ab.16(meta-analysis or systematic review or metasynthesis).md.17or/1-16		(meta regression* or metaregression*).ti,ab.
bio-medical technology assessment*).mp,hw.11(medline or cochrane or pubmed or medlars or embase or cinahl).ti,ab,hw.12(cochrane or (health adj2 technology assessment) or evidence report).jx.13(comparative adj3 (efficacy or effectiveness)).ti,ab.14(outcomes research or relative effectiveness).ti,ab.15((indirect or indirect treatment or mixed-treatment) adj comparison*).ti,ab.16(meta-analysis or systematic review or metasynthesis).md.17or/1-16	,	(meta-analy* or metaanaly* or systematic review* or biomedical technology assessment* or
12(cochrane or (health adj2 technology assessment) or evidence report).jx.13(comparative adj3 (efficacy or effectiveness)).ti,ab.14(outcomes research or relative effectiveness).ti,ab.15((indirect or indirect treatment or mixed-treatment) adj comparison*).ti,ab.16(meta-analysis or systematic review or metasynthesis).md.17or/1-16	,	bio-medical technology assessment*).mp,hw.
 13 (comparative adj3 (efficacy or effectiveness)).ti,ab. 14 (outcomes research or relative effectiveness).ti,ab. 15 ((indirect or indirect treatment or mixed-treatment) adj comparison*).ti,ab. 16 (meta-analysis or systematic review or metasynthesis).md. 17 or/1-16 	L	(medline or cochrane or pubmed or medlars or embase or cinahl).ti,ab,hw.
14(outcomes research or relative effectiveness).ti,ab.15((indirect or indirect treatment or mixed-treatment) adj comparison*).ti,ab.16(meta-analysis or systematic review or metasynthesis).md.17or/1-16	2	(cochrane or (health adj2 technology assessment) or evidence report).jx.
 15 ((indirect or indirect treatment or mixed-treatment) adj comparison*).ti,ab. 16 (meta-analysis or systematic review or metasynthesis).md. 17 or/1-16 	}	(comparative adj3 (efficacy or effectiveness)).ti,ab.
16(meta-analysis or systematic review or metasynthesis).md.17or/1-16	t	(outcomes research or relative effectiveness).ti,ab.
17 or/1-16	5	((indirect or indirect treatment or mixed-treatment) adj comparison*).ti,ab.
	5	(meta-analysis or systematic review or metasynthesis).md.
18 (defecation adi2 disorder\$) tw	7	or/1-16
	3	(defecation adj2 disorder\$).tw.
19 (defaecation adj2 disorder\$).tw.)	(defaecation adj2 disorder\$).tw.
20 (stool\$ adj25 (incontinen\$ or continen\$)).tw.)	(stool\$ adj25 (incontinen\$ or continen\$)).tw.
21 fecal incontinence/	L	fecal incontinence/
22 encopre\$.tw.	2	encopre\$.tw.

23	encopresis/
2417	(leak\$ adj2 (fecal or faecal or feces or faeces or stool\$ or motion\$)).tw.
25	(soil\$ adj2 (faeces or feces or fecal or faecal)).tw.
26	(bowel\$ adj25 manag\$).tw.
27	((fecal or faecal or feces or faeces or stool\$) adj2 (urge\$ or frequen\$)).tw.
28	(sphincter adj2 hypotoni\$).tw.
29	soiling.tw.
30	(bowel\$ adj2 control\$).tw.
31	(pelvic adj2 dyssynerg\$).tw.
32	((feces or faeces or fecal or faecal) adj2 (seep\$ or leak\$ or loss)).tw.
33	((stool\$ or motion\$) adj2 (seep\$ or leak\$)).tw.
34	((defecat\$ or defaecat\$) adj2 (urge\$ or frequent\$)).tw.
35	(bowel adj2 program\$).tw.
36	((neurogen\$ or neuropath\$) adj2 bowel\$).tw.
37	((fecal or faecal or feces or faeces or stool* or anal or anus or bowel or alvi) adj25 (incontinen\$
3/	or continen\$)).tw.
38	fecal incontinence/
39	or/18-38
40	17 and 39

Incontinence of flatus

APA PsycINFO (on Ovid), covering 1 January 1806 to August Week 3 2020 was searched on 20 August 2020 using the following terms combined using 'AND' with line 17 above: ((flatus or flatal) adj25 (incontinen\$ or continen\$)).tw.

CINAHL

Faecal incontinence

CINAHL (on EBSCOhost), covering 1 January 1982 to 20200729 (and in process) was searched on 29 July 2020 using the following search terms. There was no CADTH filter for systematic reviews for use in CINAHL on EBSCOhost). Therefore the filter used in CINAHL was based on a search filter developed by the University of Texas School of Public Health which was then updated to include the CADTH textword terms:

University of Texas School of Public Health. <u>Search filters for systematic reviews and meta-analyses</u>. Accessed 29 July 2020. [EBSCOhost] (they had last updated in 2014 on **(8/8/2014)** Strings attached: CADTH database search filters [Internet]. Ottawa: CADTH; 2016. [cited yyyy mm

dd]. Available from: /resources/finding-evidence

#	Query
S35	S33 AND S34
S34	(TI ((indirect or indirect treatment or mixed-treatment) n2 comparison*)) or (AB ((indirect or
	indirect treatment or mixed-treatment) n2 comparison*)) or (TI (outcomes research or relative
	effectiveness)) or (AB (outcomes research or relative effectiveness)) or (TI (comparative n3
	(efficacy or effectiveness))) or (AB (comparative n3 (efficacy or effectiveness))) or (TI (meta
	regression* or metaregression*)) or (AB (meta regression* or metaregression*)) or (TI (met

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	technology appraisal*)) or (AB (met analy* or metanaly* or technology assessment* or HTA or
	HTAs or technology overview* or technology appraisal*)) or (TI (mantel haenszel or peto or der
	simonian or dersimonian or fixed effect* or latin square*)) or (AB (mantel haenszel or peto or
	der simonian or dersimonian or fixed effect* or latin square*)) or (TI (hand search*)) or (AB
	(hand search*)) or (TI (handsearch*)) or (AB (handsearch*)) or (TI (data n2 abstraction*)) or (AB
	(data n2 abstraction*)) or (TI (pool* n3 analy*)) or (AB (pool* n3 analy*)) or (TI (collaborative
	n3 review*)) or (AB (collaborative n3 review*)) or (TI (collaborative n3 overview*)) or (AB
	(collaborative n3 overview*)) or (TI (integrative n3 overview*)) or (AB (integrative n3
	overview*)) or (TI (integrative n3 review*)) or (AB (integrative n3 review*)) or (TI (research n3
	integrati*)) or (AB (research n3 integrati*)) or (TI (research n3 overview*)) or (AB (research n3
	overview*)) or (TI (quantitative* n3 synthes*)) or (AB (quantitative* n3 synthes*)) or (TI
	(quantitative* n3 overview*)) or (AB (quantitative* n3 overview*)) or (TI (quantitative* n3
	review*)) or (AB (quantitative* n3 review*)) or (TI (systematic* n3 review*)) or (AB
	(systematic* n3 review*)) or (TI (methodologic* n3 overview*)) or (AB (methodologic* n3
	overview*)) or (TI (methodologic* n3 review*)) or (AB (methodologic* n3 review*)) or (TI
	(systematic* n3 overview*)) or (AB (systematic* n3 overview*)) or (TI (systematic* n3
	bibliographic*)) or (AB (systematic* n3 bibliographic*)) or (TI (systematic* n3 literature)) or (AB
	(systematic* n3 literature)) or (TI (comprehensive* n3 literature)) or (AB (comprehensive* n3
	literature)) or (TI (comprehensive* n3 bibliographic*)) or (AB (comprehensive* n3
	bibliographic*)) or (TI (integrative n3 review)) or (AB (integrative n3 review)) or (JN "Cochrane
	Database of Systematic Reviews" or (health n2 technology assessment) or evidence report) or
	(TI (information n2 synthesis)) or (TI (data n2 synthesis)) or (AB (information n2 synthesis)) or
	(AB (data n2 synthesis)) or (TI (data n2 extract*)) or (AB (data n2 extract*)) or (TI (cochrane or
	medline or pubmed or medlars or psyclit or cinahl or (psycinfo not "psycinfo database") or
	"web of science" or scopus or embase)) or (AB (cochrane or medline or pubmed or medlars or
	psyclit or cinahl or (psycinfo not "psycinfo database") or "web of science" or scopus or
	embase)) or (MH "Systematic Review") or (MH "Meta Analysis") or (MH "Meta Synthesis") or
	(MH "Scoping Review") or (MH "Concept Analysis") or (TI (meta-analy* or metaanaly*)) or (AB
	(meta-analy* or metaanaly*))
S33	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 OR S14
	OR S15 OR S16 OR S17 OR S18 OR S19 OR S20 OR S21 OR S22 OR S23 OR S24 OR S25 OR S26 OR
	S27 OR S28 OR S29 OR S30 OR S31 OR S32
S32	AB neurogen* N2 bowel* OR neuropath* N2 bowel*
S31	TI neurogen* N2 bowel* OR neuropath* N2 bowel*
S30	AB defec* N2 urge* OR defaec* N2 urge* OR defec* N2 frequen* OR defaec* N2 frequen*
S29	TI defec* N2 urge* OR defaec* N2 urge* OR defec* N2 frequen* OR defaec* N2 frequen*
S28	AB stool* N2 seep* OR motion* N2 seep* OR stool* N2 loss*
S27	TI stool* N2 seep* OR motion* N2 seep* OR stool* N2 loss* AB fec* N2 seep* OR faec* N2 seep* OR fec* N2 loss* OR faec* N2 loss*
\$26	TI fec* N2 seep* OR faec* N2 seep* OR fec* N2 loss* OR faec* N2 loss*
S25	AB bowel* N2 control*
\$24	TI bowel* N2 control*
S23 S22	AB fec* N2 urge* OR faec* N2 urge* OR fec* N2 frequen* OR faec* N2 frequen*
	TI fec* N2 urge* OR faec* N2 urge* OR fec* N2 frequen* OR faec* N2 frequen*
S21 S20	AB soil* N25 faec* OR soil* N25 fec* OR soil* N25 stool* OR soil* N25 motion*
\$20 \$19	TI soil* N25 faec* OR soil* N25 fec* OR soil* N25 stool* OR soil* N25 motion*
\$19 \$18	AB leak* N25 faec* OR leak* N25 fec* OR leak* N25 stool* OR leak* N25 motion*
210	AD IEAN INZU IDEU ON IEAN INZU IEU ON IEAN INZU SUOU' ON IEAN INZU IDEU

analy* or metanaly* or technology assessment* or HTA or HTAs or technology overview* or

S17	TI leak* N25 faec* OR leak* N25 fec* OR leak* N25 stool* OR leak* N25 motion*
S16	AB postanal N25 incontinen* OR postanal N25 continen* OR double N25 incontinen* OR
	double N25 continen*
S15	TI postanal N25 incontinen* OR postanal N25 continen* OR double N25 incontinen* OR double
	N25 continen*
S14	AB motion* N25 incontinen* OR motion* N25 continen* OR soil* N25 incontinen* OR soil* N25
	continen*
S13	TI motion* N25 incontinen* OR motion* N25 continen* OR soil* N25 incontinen* OR soil* N25
	continen*
S12	AB fec* N25 incontinen* OR fec* N25 continen* OR faec* N25 incontinen* OR faec* N25
	continen*
S11	TI fec* N25 incontinen* OR fec* N25 continen* OR faec* N25 incontinen* OR faec* N25
	continen*
S10	AB bowel N25 incontinen* OR bowel N25 continen* OR flatus N25 incontinen* OR flatus N25
	continen*
S9	TI bowel N25 incontinen* OR bowel N25 continen* OR flatus N25 incontinen* OR flatus N25
	continen*
S8	TI anal N25 incontinen* OR anal N25 continen* OR anus N25 incontinen* OR anus N25
	continen*
S7	AB stool* N25 incontinen* OR stool* N25 continen*
S6	TI stool* N25 incontinen* OR stool* N25 continen*
S5	AB defaecation N2 disorder* OR defecation N2 disorder*
S4	TI defaecation N2 disorder* OR defecation N2 disorder*
S3	(MH "Feces, Impacted")
S2	(MH "Altered Bowel Function (NANDA)+")
S1	(MH "Fecal Incontinence")

Incontinence of flatus

CINAHL (on EBSCOhost), covering 1 January 1982 to 20200820 was searched on 20 August 2020 using the following search terms combined with line S34 above using 'AND':

TI (((flatus or flatal) n25 (incontinen* or continen*))) OR AB (((flatus or flatal) n25 (incontinen* or continen*)))

<u>CDSR</u>

Faecal incontinence

Cochrane Database of Systematic Reviews (CDSR), covering from inception to Issue 8, 2020 was searched on 19 August 2020 using the following search terms:

- ID Search
- #1 (defecation NEAR/2 disorder*):ti,ab
- #2 (defaecation NEAR/2 disorder*):ti,ab
- #3 (stool* NEAR/25 (incontinen* or continen*)):ti,ab
- #4 MeSH descriptor: [Fecal Incontinence] explode all trees
- #5 encopre*:ti,ab
- #6 MeSH descriptor: [Encopresis] explode all trees
- #7 (leak* NEAR/2 (fecal or faecal or feces or faeces or stool* or motion*)):ti,ab
- #8 (soil* NEAR/2 (faeces or feces or fecal or faecal)):ti,ab

- #9 (bowel* NEAR/25 manag*):ti,ab
- #10 ((fecal or faecal or feces or faeces or stool*) NEAR/2 (urge* or frequen*)):ti,ab
- #11 (sphincter NEAR/2 hypotoni*):ti,ab
- #12 soiling:ti,ab
- #13 (bowel* NEAR/2 control*):ti,ab
- #14 (pelvic NEAR/2 dyssynerg*):ti,ab
- #15 ((feces or faeces or fecal or faecal) NEAR/2 (seep* or leak* or loss)):ti,ab
- #16 ((stool* or motion*) NEAR/2 (seep* or leak*)):ti,ab
- #17 ((defecat* or defaecat*) NEAR/2 (urge* or frequent*)):ti,ab
- #18 (bowel NEAR/2 program*):ti,ab
- #19 ((neurogen* or neuropath*) NEAR/2 bowel*):ti,ab
- #20 ((fecal or faecal or feces or faeces or stool* or anal or anus or bowel or alvi or bowel)

NEAR/25 (incontinen* or continen*)):ti,ab

#21 ((flatus or flatal or wind) NEAR/25 (incontinen* or continen* or loss*)):ti,ab

#22 #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 or #16 or #17 or #18 or #19 or #20 or #21

Incontinence of flatus

The search of CDSR included terms covering incontinence of flatus and so supplemental searches were not performed.

<u>INAHTA</u>

Faecal incontinence

International HTA Database (INAHTA) available at <u>https://www.inahta.org/hta-database/</u>, covering from inception to 29 July 2020 was searched on 29 July 2020 using the following search terms:

Line	Query
14	#13 OR #12 OR #11 OR #10 OR #9 OR #8 OR #7 OR #6 OR #5 OR #4 OR #3 OR #2 OR #1
13	(neurogen* or neuropath*) AND (incontinen* OR continen*)
12	(neurogen* or neuropath*) AND bowel*
11	(fecal or faecal or feces or faeces) AND (loss* or losing or loses or lose)
10	pelvi* AND dyssynerg*
9	soiling
8	sphincter* AND hypotoni*
7	(fecal or faecal or feces or faeces or stool*) AND (urge* or frequent*)
6	(fecal or faecal or feces or faeces or stool* or motion*) AND (leak* or soil* or seep*)
5	encopre*
4	(fecal or faecal or feces or faeces or stool* or motion* or anal or anus or bowel or alvi) AND
	(incontinen* OR continen*)
3	(defecat* OR defaecat*) AND (disorder* or urge* or frequent*)
2	"Fecal Incontinence"[mhe]
1	"Encopresis"[mhe]

Incontinence of flatus

INAHTA, covering from inception to 21 August 2020 was searched on 21 August 2020 testing the terms

((flatus or flatal) AND (incontinen* or continen*))

KSR Evidence

Faecal incontinence

KSR Evidence covering from 1 January 2015 to 28 July 2020 was searched on 28 July 2020 using the following search terms:

Query Results

1 (defecat* OR defaecat*) AND (disorder* or urge* or frequent*) in All text 2(fecal or faecal or feces or faeces or stool* or motion* or anal or anus or bowel or alvi) AND (incontinen* OR continen*) in All text

- 3 encopre* in All text
- 4 (fecal or faecal or feces or faeces or stool* or motion*) AND (leak* or soil* or seep*) in All text
- 5 (fecal or faecal or feces or faeces or stool*) AND (urge* or frequent*) in All text
- 6 sphincter* AND hypotoni* in All text
- 7 soiling in All text
- 8 pelvi* AND dyssynerg* in All text
- 9 (fecal or faecal or feces or faeces) AND loss* in All text
- 10 (neurogen* or neuropath*) AND bowel* in All text
- 11 #1 or #2 or #3 or #4 or #5 or #6 or #7 or #8 or #9 or #10 in All text

Incontinence of flatus

Supplemental searches were not conducted in KSR Evidence as the free trial period was over.

Supplementary Appendix 3: Search terms for pipeline trials on FI

The following search terms were used in NIHR Innovation Observatory's 'ScanMedicine' database (<u>https://www.scanmedicine.io/</u>). The search was conducted in August 2020.

(fecal incontinence) OR (defecation disorder) OR (encopresis) OR (soiling) OR (stool incontinence) OR (incontinent of stools) OR (leaking faeces) OR (faecal leakage) OR (stool leakage) OR (leakage of motions) OR (faecal soiling) OR (faecal urgency) OR (stool urgency) OR (faecal frequency) OR (hypotonic sphincter) OR (hypotonic anal sphincter) OR (pelvic dyssynergia) OR (faecal leakage) OR (faecal seepage) OR (faecal loss) OR (stool seepage) OR (leaking stools) OR (seepage of motions) OR (leaking of motions) OR (urgent defaecation) OR (frequent defaecation) OR (neurogenic bowel) OR (faecal continence) OR (stool continence) OR (anal continence) OR (anus continence) OR (bowel continence) OR (alvi continence) OR (alvi incontinence) OR (defecation urgency) OR (incontinence of wind) OR (incontinence of flatus)

Note on search terms: the interface works with natural language terms. Alternative spellings, for example, 'faecal' or 'fecal' were not needed as the interface allowed for alternative spellings. The interface did not work with truncation or adjacency and instead mapped alternative endings and word orders.

The following search limits were applied:

Enrolment year ≥ 2015

Registries limited to: Brazil, Peru, USA, EU, AUSNZ, UK, India, Japan, South Korea, Thailand, and Sri Lanka

Trial recruitment status: excluding trials that were Suspended, Terminated, Withdrawn, or had an Unknown trial status

Supplementary Appendix 4: FI domains (including parent and child codes)

Bowel management General Assistive techniques Bowel habit/retraining Complementary therapies Dietary management Education **Electrical stimulation** Lifestyle Magnetic stimulation Pelvic floor muscle training/ biofeedback/ sphincter exercises Physiotherapy Psychological/ behavioural/ urgency suppression techniques Self-management Volumetric/breathing exercises Weight management Bowel management for neurological conditions Anticholinesterase plus an anticholinergic drug Assistive techniques Bowel programmes/ bowel care Devices **Electrical stimulation** Fibre Physiotherapy Surgery Bowel and bladder dysfunction Bladder pain syndrome Constipation (including in children) FI and delayed toilet training as a result of chronic constipation FI in children Link between constipation and urinary incontinence Urinary and/or FI Drugs General Anti-diarrhoeal agents Botulinum toxin type A Clonidine Drugs acting on anal sphincter tone Enemas Fibre Laxatives Oestrogen therapy

Pipeline drugs

Repurposed drugs Stool-forming agents suppositories Surgery General Antegrade irrigation Artificial anal sphincter **Bariatric surgery** Dynamic graciloplasty Gluteoplasty Injectable bulking agents levatorplasty (anterior) - repairing the pelvic floor Magnetic sphincter formation Microballoons Muscle transposition New surgical procedures Ostomies (colostomy and ileostomy) Post anal repair Posterior tibial nerve stimulation Radiofrequency Repair of posterior compartment prolapse Repair of rectal prolapse Sacral nerve stimulation (implanted) Slings Sphincteroplasty Sphincter repair Stem cells Total pelvic floor repair (TPFR) Models of care Clinical pathway to diagnosis Evidence-based practice General - models of care GP Nurse led Transition of care **Mechanical devices** Absorbent products Anal plugs Anal pouch Commodes Inserts (including vaginal inserts) Managing condition New devices (e.g. intra-rectal diversion devices)

20

Rectal trumpet (off-label use) Vaginal-bowel devices Other containment/ non-active/ other in non-neurogenic patients Toileting assistance programmes Trans-anal irrigation Interventions in particular settings Acute care settings Bowel management in low-resource settings Improvements to physical environment Products for odour and sounds Toileting assistance programmes Wireless technology monitoring wetness sensors - nursing home Interventions in particular populations Diabetes and FI Management of FI for cancer patients Post-menopausal women Pregnant/post-partum women Other Compliance Dermatitis **Diagnostic tools Financial support** Mircobial transplant Pressure sores Psychological support Qualitative research/ mixed methods/ lived experiences Quality of life Technology Treatments that are not pharmaceuticals or naturopathic Unsure Out of scope **Disposal of products** Mechanisms and causes Prevalence Prevention of FI

Rectal catheters (used for critically-ill patients)

Supplementary Appendix 5: Inclusion/exclusion criteria

Articles were excluded as 'wrong outcome' if they contained outcomes that didn't relate to FI. Articles were excluded as 'out of CI scope' if they related to FI but were within the remit of another Cochrane group (e.g., Pregnancy and Childbirth).

Include	Exclude	Reason for exclusion
Constipation in elderly, children or	Constipation in adults,	Constipation during pregnancy falls
neurogenic conditions, or any other	(without reference to	under the remit of Cochrane
population that cycles between	cycling between	Pregnancy and Childbirth
constipation and FI	constipation and FI),	
	broad reviews, laxative	
	prescribing or general	
	reviews, during	
	pregnancy	
LARS – with mention of treating the	LARS – reconstruction	Covered by other Cochrane
FI aspect of the syndrome that	techniques (anastomosis)	group(s)
happens after LAR (keep as special	or other surgeries and	
batch) (LAR is covered by another	other alternative	
group – they do not currently cover	resection or re-joining of	
LARS but check with that Cochrane	bowel.	
group?)		
Dermatitis - Incontinence	Dermatitis - diaper	Falls in the remit of another
associated	wearing of infants or	Cochrane Skin group
	neonates	
Episiotomies – treatment of long-	Episiotomies –	Falls in the remit of another
term consequence if covers FI	techniques and whether	Cochrane group
	or not to do them	
Repair of anal tears in the	Repair of anal tears	Falls under the remit of a different
postpartum period is not included	postpartum	Cochrane group unless it is
but treatment of long-term		treatment of long-term
consequences as regards FI are		consequences or repair beyond the
included		postpartum period
Obesity – weight loss to	Obesity	This should be included if looking
prevent/treat FI		at weight loss to prevent or treat FI
		 if looking at other aspects of
		obesity not included
Diagnosis – RCTs or diagnostic test	Aetiology of FI	Not within the scope of this project
accuracy		
Guidelines (NICE) - If they include	Economics	Outside the scope of this priority
systematic review		setting exercise
Recommendations - If they include	Commentary type papers	Not relevant
systematic review		

	Epidemiology –	Not within the scope of this project
	prevalence/incidence/bur	
	den of disease	
	Comparative reviews	The topics are covered by other
	looking at something else	Cochrane groups
	where FI is an outcome	
	(e.g. surgery A vs Surgery	
	B for rectal anal cancer or	
	Radiotherapy	
	QoL where looking at	Not directly relevant
	measuring or	
	development of the	
	scales	
Autism Spectrum Disorder (ASD) if		
related to prevention/treatment of		
FI in this population		
Stroke - Include if looking at		
prevention or treatment of FI in		
stroke patients – if looking at other		
aspects of stroke then it is not		
included		
Neurological conditions where the		
main focus seemed to be FI or		
related issues (spinal cord injury,		
multiple sclerosis)		
Neurogenic bowel		
Spinal cord injury - if looking at FI		
Multiple sclerosis - if looking at FI		
Cauda equine/tethered cord – if FI		
was one of the main topics		
Cancer - If looking at longer term	Bowel prep surgery (e.g.	Covered by other Cochrane groups
consequences of cancer treatment	for cancer treatment)	
once cancer has resolved		
	Screening for cancers –	Covered by other Cochrane groups
	most commonly bowel	
	cancer	
	Ovarian cancer	Covered by other Cochrane groups
	Prostate cancer	Covered by other Cochrane groups
	Anal or Rectal or bowel or	Covered by other Cochrane groups
	colorectal cancer	
Pregnancy / Postpartum	Comparing obstetric	Covered by Cochrane Pregnancy
Complications that include FI or FI	practices	and Childbirth group (we do cover
affecting sexual function		prevention and treatment of FI
[

		using physical therapies pre/postpartum)
Rectovaginal fistula	Obstetric anal sphincter injury (OASIS)	Falls under the remit of Cochrane Pregnancy and Childbirth
	Crohn's disease,	Covered by Cochrane Incontinence
	Diverticulitis, IBS/IBD,	but different topic area or covered
	Ulcerative colitis,	by Cochrane group(s)
	Diarrhoea	by coefficience group(s)
	Haemorrhoids	Covered by another Cochrane
	nachionnoids	group
	Fistula in ano / anal	Covered by another Cochrane
	fissure	group
	Pouches, colostomies,	Covered by other Cochrane groups
	stomas or anastomoses	covered by other countaile groups
	Rectal prolapse/rectocele	A different part of our scope
	Anastomotic leakage or leakage related to stomas or colostomies,	Covered by other Cochrane groups
	Bladder	Not within the scope of this project
	surgery/neobladders/cyst	 partly covered by another of our
	oplasty/Urinary diversion	reviews
	Urinary incontinence	Covered by a different part of our
	(with no mention of FI or	group's scope
	'double incontinence')	
	Pelvic organ prolapse	Covered by a different part of our group's scope (includes posterior vaginal wall prolapse)
Frail elderly syndrome	Congenital malformations	Not within the scope of Cochrane Incontinence
Lifestyle interventions – weight loss	Surgery to correct	Covered by other Cochrane groups
and other lifestyle interventions for	congenital defects and/or	
prevent/treat FI	malformations	
Pelvic floor exercises and other	Hirschsprung's disease	Covered by another Cochrane
interventions to try to prevent and		group
treat FI during and after pregnancy		
as well as longer term. We do cover		
long term effects of birth injuries as		
regards FI.		
Weight loss - treatment or		
prevention of FI		
Encopresis		

Specific mention of treatment,	
prevention, management, diagnostic	
test accuracy for, FI (with or without	
constipation) (with or without	
urinary incontinence) then it is a	
very definite include	

Supplementary Appendix 6: Reasons for exclusion for review

Detailed below are full references for all excluded articles. Articles are excluded for one of the following reasons (in order of hierarchical importance as set out below):

Wrong study design (n=181)	1-181
Wrong outcomes (n=21)	182-202
Older version of Cochrane review (n=28)	203-230
Article unobtainable (n=20)	231-250
Outside CI scope (n=57)	251-307
Duplicate (n=13)	308-320
Foreign language (n=12)	321-332
Wrong patient population (n=9)	333-341

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Supplementary Appendix 7: Includes systematic reviews/clinical trials by domain

A B C D E E Li Li N P b e e P P U t e S i V	nagement General Assistive techniques assistive techniques acowel habit/retraining complementary therapies Dietary management aducation lectrical stimulation ifestyle Magnetic stimulation relvic floor muscle training/ biofeedback/ sphincter edvic floor muscle training/ biofeedback/ sphincter edvic floor muscle training/ biofeedback/ sphincter edvices Physiotherapy Psychological/ behavioural/ argency suppression echniques elf-management /olumetric/breathing	n 2 5 10 6 23 6 0 19 19 0 2 2	References 1,2 2,8-11 8,11,29-36 1,34,41-44 2,30,33,44,51-69 1,8,29,33,34,42 1,29,33,34,44,53,56,67,88-96 41,109	n 5 17 4 6 13 9 3 13 13 2 3	References 3-7 12-28 37-40 45-50 20,21,70-80 38,46,48,49,81-85 70,86,87 71,73,87,97-106 107,108 3,46,49
G A B C C D E E E Li Li C E E U E V V V	General Assistive techniques Sowel habit/retraining Complementary therapies Dietary management ducation Electrical stimulation ifestyle Magnetic stimulation relvic floor muscle training/ biofeedback/ sphincter elvic floor muscle training/ biofeedback/ sphincter every suppression echniques elf-management	5 10 6 23 6 0 19 19 0 2	2,8-11 8,11,29-36 1,34,41-44 2,30,33,44,51-69 1,8,29,33,34,42 1,29,33,34,44,53,56,67,88- 96	17 4 6 13 9 3 13 2	12-28 37-40 45-50 20,21,70-80 38,46,48,49,81-85 70,86,87 71,73,87,97-106 107,108
A B C D E E Li Li M P b e e P b c e S C C V V V	Assistive techniques Bowel habit/retraining Complementary therapies Dietary management ducation ducati	5 10 6 23 6 0 19 19 0 2	2,8-11 8,11,29-36 1,34,41-44 2,30,33,44,51-69 1,8,29,33,34,42 1,29,33,34,44,53,56,67,88- 96	17 4 6 13 9 3 13 2	12-28 37-40 45-50 20,21,70-80 38,46,48,49,81-85 70,86,87 71,73,87,97-106 107,108
B C D E Li M P e: P e: P té P té V	owel habit/retraining complementary therapies Dietary management ducation ducation ducation dectrical stimulation delvic floor muscle training/ diofeedback/ sphincter evercises hysiotherapy sychological/ behavioural/ dirgency suppression echniques elf-management	5 10 6 23 6 0 19 19 0 2	2,8-11 8,11,29-36 1,34,41-44 2,30,33,44,51-69 1,8,29,33,34,42 1,29,33,34,44,53,56,67,88- 96	17 4 6 13 9 3 13 2	12-28 37-40 45-50 20,21,70-80 38,46,48,49,81-85 70,86,87 71,73,87,97-106 107,108
C D E Li Li P b e: P b e: P b te Si V	Complementary therapies Dietary management ducation lectrical stimulation ifestyle Magnetic stimulation relvic floor muscle training/ piofeedback/ sphincter exercises hysiotherapy sychological/ behavioural/ irgency suppression echniques elf-management	10 6 23 6 0 19 0 2	8,11,29-36 1,34,41-44 2,30,33,344,51-69 1,8,29,33,34,42 1,29,33,34,44,53,56,67,88- 96	4 6 13 9 3 13 2	37-40 45-50 20,21,70-80 38,46,48,49,81-85 70,86,87 71,73,87,97-106 107,108
D E E Li D P b e: P P u te Si V	Dietary management ducation lectrical stimulation ifestyle Magnetic stimulation velvic floor muscle training/ biofeedback/ sphincter exercises vhysiotherapy sychological/ behavioural/ irgency suppression echniques elf-management	10 6 23 6 0 19 0 2	8,11,29-36 1,34,41-44 2,30,33,344,51-69 1,8,29,33,34,42 1,29,33,34,44,53,56,67,88- 96	4 6 13 9 3 13 2	37-40 45-50 20,21,70-80 38,46,48,49,81-85 70,86,87 71,73,87,97-106 107,108
E E Li N P b e: P b e: P t t c V	ducation lectrical stimulation ifestyle Aagnetic stimulation elvic floor muscle training/ iofeedback/ sphincter exercises hysiotherapy sychological/ behavioural/ irgency suppression echniques elf-management	6 23 6 0 19 0 2	1,34,41-44 2,30,33,344,51-69 1,8,29,33,34,42 1,29,33,34,44,53,56,67,88- 96	6 13 9 3 13 2	45-50 20,21,70-80 38,46,48,49,81-85 70,86,87 71,73,87,97-106 107,108
E Li P b e: P P P u te Si V	lectrical stimulation ifestyle Aagnetic stimulation relvic floor muscle training/ iofeedback/ sphincter exercises hysiotherapy rsychological/ behavioural/ argency suppression echniques elf-management	23 6 0 19 0 2	2,30,33,44,51-69 1,8,29,33,34,42 1,29,33,34,44,53,56,67,88- 96	13 9 3 13 2	20,21,70-80 38,46,48,49,81-85 70,86,87 71,73,87,97-106 107,108
Li M P b e: P P U te Si V	ifestyle Agnetic stimulation velvic floor muscle training/ viofeedback/ sphincter vercises hysiotherapy vsychological/ behavioural/ urgency suppression echniques elf-management	6 0 19 0 2	1,8,29,33,34,42 1,29,33,34,44,53,56,67,88- 96	9 3 13 2	38,46,48,49,81-85 70,86,87 71,73,87,97-106 107,108
N P b e: P P u te Si V	Agnetic stimulation elvic floor muscle training/ iofeedback/ sphincter exercises hysiotherapy sychological/ behavioural/ irgency suppression echniques elf-management	0 19 0 2	1,29,33,34,44,53,56,67,88- 96	3 13 2	70,86,87 71,73,87,97-106 107,108
P b P P u te Si V	elvic floor muscle training/ iofeedback/ sphincter exercises hysiotherapy sychological/ behavioural/ irgency suppression echniques elf-management	19 0 2	96	13 2	71,73,87,97-106
P b P P u te Si V	elvic floor muscle training/ iofeedback/ sphincter exercises hysiotherapy sychological/ behavioural/ irgency suppression echniques elf-management	0 2	96	2	107,108
P u te So V	sychological/behavioural/ Irgency suppression echniques elf-management	2	41,109		
u te Si V	rgency suppression echniques elf-management		41,109	3	3,46,49
V		0			
	olumetric/breathing			4	3,45,46,49
e	xercises	1	67	0	
W	Veight management	0		0	
	nagement for neurological co	nditio	ns		
	nticholinesterase plus an nticholinergic drug	1	110	1	111
A	ssistive techniques	7	44,53,55,110,112-114	2	115,116
	owel programmes/ bowel are	2	55,110	1	117
D	Devices	0		0	
E	lectrical stimulation	0		2	118,119
Fi	ibre	1	110	0	
Р	hysiotherapy	1	53	5	85,120-123
	urgery	0		5	124-128
	bladder dysfunction				
В	ladder pain syndrome	0		0	
C	Constipation (including in hildren)	20	8,9,11,31,36,54,66,68,91,109 ,110,129-137	27	12,45,138-148 14- 17,19,23,24,27,28,72,149-153
a	I and delayed toilet training s a result of chronic onstipation	0		0	
F	I in children	3	41,54,154	0	
	ink between constipation nd urinary incontinence	0		0	
	Jrinary and/or FI	10	155-164	5	84,165-168
Drugs	•			•	•
	General	0		0	

Anti diarrhagal agente	5	33,53,93,169,170	0	
Anti-diarrhoeal agents	-	171	0	172
Botulinum toxin type A	1	44,53,170	1	172
Clonidine	3	53,169	0	
Drugs acting on anal	2	55,105	0	
sphincter tone	_	34,129,134,154,173	_	174,175
Enemas	5	44,53	2	1/4,1/5
Fibre	2	-	0	15 20 140 142 144 147 152 152
Laxatives	7	1,29,34,53,110,136,169 53,176	8	15,20,140,143,144,147,152,153
Oestrogen therapy	2	53,176	0	420.420
Pipeline drugs	0		2	138,139
Repurposed drugs	0		11	21,24,141-147,177,178
Stool-forming agents	4	29,41,53,93	0	
Suppositories	0		2	4,179
Surgery				
General	0		0	
Antegrade irrigation	4	129,134,154,173	0	
Artificial anal sphincter	6	44,53,62,180-182	1	183
Bariatric surgery	3	184-186	0	
Dynamic graciloplasty	2	180,187	0	
Gluteoplasty	1	180	0	
Injectable bulking agents	10	44,53,180,188-193	3	98,194,195
Levatorplasty (anterior) -	2	44,53	0	
repairing the pelvic floor	_		-	
Magnetic sphincter formation	0		1	196
Microballoons	2	44,180	0	
Muscle transposition	3	53,180,197	0	
New surgical procedures	0		1	198
Ostomies (colostomy and	1	199	0	
ileostomy)	-		0	
Post anal repair	1	53	0	
Posterior tibial nerve	0		1	200
stimulation				
Radiofrequency	2	53,180	1	201
Repair of posterior	2	202,203	0	
compartment prolapse				
Repair of rectal prolapse	7	44,62,204-208	2	151,209
Sacral nerve stimulation	17	33,44,54,61,64,67,68,93,130,	12	98,124,127,196,215-222
(implanted)		132,163,180,210-214		
Slings	0		0	
Sphincteroplasty	3	44,63,223	1	224
Sphincter repair	4	53,63,197,225	0	
Stem cells	1	53	3	125,126,128
Total pelvic floor repair	1	53	0	
(TPFR)				
Models of care	1			
Clinical pathway to diagnosis	0		0	
Evidence-based practice	0		0	
General - models of care	1	43	1	226
GP GP	0		0	
0.	U		U	1

Nurse led	2	34,227	0	
Transition of care	0		0	
Mechanical devices	0		0	
Absorbent products	8	29,33,41,42,156,157,227,2	² 0	
Absorbent products	0	8	0	
Anal plugs	3	33,229,230	3	231-233
Anal pouch	2	43,234	0	
Commodes	0		2	166,168
Inserts (including vaginal	1	229	0	
inserts)	1		0	
Managing condition	0		2	21,235
New devices (e.g. intra-rectal	1	227	2	235,236
diversion devices)	1		2	
Rectal catheters (used for	2	43,234	1	237
critically ill patients)	2		-	
Rectal trumpet (off-label use)	1	227	0	
Vaginal-bowel devices	0		3	80,238,239
Other containment/ non-active/ other	-	neurogenic natier	-	
Toileting assistance	2	34,228	0	
programmes	2		0	
Trans-anal irrigation	2	42,133	0	
Interventions in particular settings	0			
Acute care settings	0		0	
Bowel management in low-	0		0	
resource settings	0		0	
Improvements to physical	3	29,41,43	2	166,168
environment	5		2	
Products for odour and	0		0	
sounds	Ŭ		Ũ	
Toileting assistance	4	29,41,44,228	0	
programmes	·		Ũ	
Wireless technology	1	2	1	240
monitoring wetness sensors -				
nursing home				
Interventions in particular populations	1			
Diabetes and FI	0		0	
Management of FI for cancer	0		10	3,5,7,81,87,100,102,105,198,219
patients	-			
Post-menopausal women	1	176	0	
Pregnant/post-partum	4	94,95,241,242	1	106
women				
Other				
Compliance	0		0	
Dermatitis	8	43,158-162,164,234	4	84,165-167
Diagnostic tools	6	34,135,241,243-245	5	148,150,221,246,247
Financial support	0		0	
Microbial transplant	0		1	248
Pressure sores	0		0	
Psychological support	0		0	
	1			1

	Qualitative research/ mixed methods/ lived experiences	0		0	
(Quality of life	0		5	87,122,127,149,198
1	Technology	0		1	45
Ŗ	Treatments that are not pharmaceuticals or naturopathic	0		0	
l	Unsure	0		0	
Out of scope					
[Disposal of products	0		0	
٦	Mechanisms and causes	0		0	
F	Prevalence	0		0	
F	Prevention of FI	0		0	

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Supplementary Appendix 8: Reasons for exclusion for horizon scanning

Detailed below are the clinical trials references identified through horizon scanning searches subsequently excluded. Exclusion was for one of the following reasons indicated in order of hierarchical importance:

Records removed after filtration by trial status (n=52)	1-52
Records excluded based on primary health condition studied (n=863)	53-915
Study's exclusion criteria included FI (n=4)	916-919
Healthy subjects (n=2)	920, 921
Questionnaire, screening and tool assessment validation (n=7)	922-928
Not relevant/within the scope (n=9)	929-937

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