

APPENDIX
Supplementary data

Search strings used for first part about associations between sustainability and quality of care.

#	Search string	Remarks
1	((“quality of care” OR “health care quality” OR “health system” OR “health services” OR “quality improvement”) AND (sustain* OR “environmental sustainability” OR viability) AND (“environmental impact” OR “green health” OR “waste management”) AND (integration OR conceptualization OR conceptual OR analytical OR linkage))	In general, search string too long.
	PubMed: 3 hits Scopus: search string too long	
2	((“quality of care” OR “health care quality” OR “health system” OR “health services”) AND (sustain* OR “environmental sustainability”) AND (“environmental impact” OR “green health” OR “waste management”) AND (integration OR concept* OR analytical))	<u>Structure</u> : Compact version of previous search string. <u>Results</u> : Quality dimension is underrepresented in results and ‘waste management’ is quite dominant.
	PubMed: 2 hits Scopus: 17 hits	
3	((“quality of care” OR “health care quality” OR “health system” OR “health services”) AND (sustain* OR “environmental sustainability”) AND (“environmental impact” OR “green health”) AND (integration OR concept* OR analytical OR linkage))	<u>Structure</u> : Similar as previous search string but ‘waste management’ is removed and ‘linkage’ is added. <u>Results</u> : Much overlap with previous search string, but less results.
	PubMed: 1 hit Scopus: 10 hits	
4	((“quality of care” OR “health care quality” OR “health system” OR “health services”) AND (sustain* OR “environmental sustainability”) AND (integration OR concept* OR analytical OR linkage))	<u>Structure</u> : Removal of concepts related to sustainability. <u>Results</u> : Too general, not possible to study each abstract.
	PubMed: 1287 hits Scopus: 2198 hits	
5	((“quality of care” OR “health care quality” OR “health system” OR “health services”) AND (sustain* OR “environmental sustainability”) AND (integration OR concept* OR analytical OR linkage) AND (“lean healthcare” OR “green procurement”))	<u>Structure</u> : Adding of new concepts related to sustainability. <u>Results</u> : Very few and no relevant articles.
	PubMed: 0 hits Scopus: 1 hit	
6	((sustain* OR “environmental sustainability”) AND (“environmental impact” OR “green engineering” OR “cleaner production”) AND (“quality of care” OR “health care quality”) AND (“quality improvement OR “healthcare industry”) AND (conceptual))	<u>Structure</u> : Changed positions of different elements and adding new concepts. <u>Results</u> : Very few and no relevant articles
	PubMed: 0 hits Scopus: error	
7	((sustain* OR “environmental sustainability”) AND (“pollution prevention” OR “system design”) AND (safety OR safe OR “quality of care” OR “health care quality”))	<u>Structure</u> : Combined quality of care and related concepts of this. Also adding of new concepts. <u>Results</u> : Healthcare dimension is underrepresented, mainly articles about safety issues in natural environments
	PubMed: 18 hits Scopus: 226 hits	

8	((sustain* OR "environmental sustainability") AND ("pollution prevention" OR "waste management" OR "waste reduction") AND (safety OR safe OR "quality of care" OR "health care quality"))		<u>Structure:</u> Adding of 'waste management' and 'waste reduction'.
	PubMed: 113 hits	Scopus: 531 hits	<u>Results:</u> Mainly about waste management and natural environment
9	((("health care quality" OR "clinical governance" OR effective OR efficient OR equity) AND (sustain* OR "sustainable development" OR "environmental sustainability") AND ("environmental impact" OR "green procurement") AND (concept**)))		<u>Structure:</u> Changed position of different elements, add new concepts and expand the healthcare dimension
	PubMed: 9 hits	Scopus: 396 hits	<u>Results:</u> Healthcare dimension is underrepresented
10	((("quality of care" OR "health care quality") AND (effective* OR efficient OR equit*) AND ("clinical governance" OR "quality improvement") AND (sustain* OR "environmental sustainability" OR "sustainable development")))		<u>Structure:</u> Healthcare dimension expanded and sustainability dimension restricted.
	PubMed: 78 hits	Scopus: 266 hits	<u>Results:</u> Underrepresentation of sustainability dimension.
11	((("quality of care") AND (effective* OR efficient OR equit* OR safe* OR timely OR patient-centred) AND (sustain* OR "environmental sustainability" OR "ecological sustainability" OR "sustainable development")) AND ("environmental quality" OR impact))		<u>Structure:</u> Expanding of sustainability dimension, new concepts of health care dimension
	PubMed: 98 hits	Scopus: error	<u>Results:</u> Mainly healthcare related and not relevant.

Search strings used for second part about conflicts between sustainability and quality of care.

#	Search string	Remarks
1	((("ecological sustainability" OR "environmental sustainability" OR "sustainable healthcare") AND (healthcare OR "quality of care") AND (conflict OR collision OR competition)))	In general, good search string, some relevant studies but too limited results.
	PubMed: 7 hits	
2	((("green healthcare") AND (conflict* OR collision* OR competition**)))	Structure: Replace 'sustainability' for 'green healthcare' Results: almost no studies
	PubMed: 1 hit	
3	((("sustainability issues") AND (healthcare OR "health care" OR "quality of care") AND (collision* OR conflict* OR competition**)))	Structure: Replace 'green healthcare' for 'sustainability' and adding healthcare as a separate element Results: studies about either sustainability or healthcare but no combinations. Conflict element underrepresented
	PubMed: 0 hits	
4	((("ecological sustainability" OR "environmental sustainability" OR "sustainable healthcare" OR "green healthcare") AND (healthcare OR "quality of care") AND (barrier* OR collision* OR competition**)))	Structure: similar as first string but adding healthcare as a separate element. Results: similar results as first string
	PubMed: 10 hits	