**Article title:** Key Factors that Promote Low-Value Care: Views of Experts From the United States, Canada, and the Netherlands

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**Supplementary file 1.** Research Checklist

Research Checklist: the COREQ (Consolidated criteria for reporting qualitative research)

Supplement to: EW Verkerk, SA van Dulmen, K Born, R Gupta, GP Westert, RB Kool. Key Factors that Promote Low-Value Care: Views of Experts from the United States, Canada, and the Netherlands.

Domain 1: research team and reflexivity				
Personal characteristics				
1.	Interviewer	EWV performed the interviews		
2.	Credentials	MScBS		
3.	Occupation	PhD candidate		
4.	Gender	Female		
5.	Experience and training	EWV is trained in qualitative research and		
		interviewing and had experience interviewing		
		healthcare professionals and policymakers.		
Relationship with participants				
6.	Relationship established	EWV met two participants earlier before interviewing		
		them for this study, but she did not have a working or		
		other relationship with them. She had not met the other		
		participants before their interviews. Regarding the		
		other authors that did not perform the interviews: 17 of		
		the 18 participants were known by at least one of the		
		other authors. One participant was not known		
		personally by any of the authors before this study.		
7.	Participant knowledge of	The reasons for the study were described in the e-mail		
	the interviewer	with which they were approached and in the consent		
		form. Participants were aware that EWV was a PhD		
		candidate.		

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	nterviewer	EWV discussed with some participants that she is not
	haracteristics	a clinician.
	2: study design	
	cal framework	
	fethodological rientation and theory	We used an inductive thematic analysis, in which the analysis is data-driven to guide researchers to create overarching themes based on coding without a pre-existing frame.
Participa	ant selection	
	ampling	We selected from our professional networks a convenience sample of 20 policymakers, researchers, and other stakeholders with experience in identifying and reducing low-value care, distributed over the three countries. This was defined as having led at least one initiative to reduce low-value care, having evaluated such initiatives, or being responsible for reducing low-value care in an organization. We used purposive sampling to include experts from different institutes and programs and with different experiences with low-value care. For example, we selected experts involved in the Choosing Wisely campaigns, researchers that focus on low-value care, and leaders of various organizations that aimed to reduce low-value care. At the end of an interview, participants were asked if they could refer us to other experts. Five other experts were suggested, of which we approached two for an interview.
11. N	lethod of approach	All experts were invited to participate and received information about the interviews by email.
12. S	ample size	We interviewed 18 experts.
	on-participation	2 experts that we approached declined to participate, one because of pregnancy leave and one because of a change in position.
Setting		
	etting of data collection	We conducted face-to-face interviews with five Dutch experts and three Canadian experts at the location of their choice. Ten other interviews were by telephone, because of convenience.
	resence of non- articipants	Only the experts and interviewer were present.
	escription of sample	The sample was a mix of organizational leaders or policy makers, low-value care researchers or project leaders, or both. 61% of the experts had a background as a healthcare professional.
Data col	lection	
17. Iı	nterview guide	We used a semi-structured interview guide that was developed by all authors using existing literature on factors that promote low-value care. The interviewer tested the guide by interviewing a project manager from Choosing Wisely Canada. We added additional

	factors that emerged during the interviews in
	subsequent interviews. The final interview guide can
	be found in supplement 1.
18. Repeat interviews	We did not perform repeat interviews.
19. Audio/visual recording	The interviews were audio-recorded and transcribed.
20. Field notes	Field notes were made during most interviews in order
	to discuss adding additional factors to the interview
	guide with the other authors.
21. Duration	The interviews ranged in length from 27 minutes to
	1,5 hours.
22. Data saturation	After analyzing interview 17 and 18, we concluded
	that no new information emerged and saturation was
	reached.
23. Transcripts returned	One expert who requested this was sent his transcript
	and returned it with additional comments. The other
	transcripts were not checked by the participants.
Domain 3: analysis and findings	transcripts were not enceiced by the participants.
Data analysis	
24. Number of data coders	Two authors (EWV and SAvD) independently coded
24. Number of data coders	three interviews and discussed their coding until they
	reached consensus. EWV coded subsequent interviews
	and discussed her analysis regularly with SAvD.
25 Description of the goding	The final key factors that promote low-value care were
25. Description of the coding tree	presented in figure 1.
26. Derivation of themes	Themes were derived from the data.
27. Software	We used Atlas.ti 8.0.34 for coding.
28. Participant checking	Participants were not asked to provide feedback on the
	findings.
Reporting	
29. Quotations presented	Each theme was illustrated with a quotation in Table 1.
	Each participant is identified by their country and a
	number.
30. Data and findings	There was good consistency between data and
consistent	findings, we used a lot of the wording used by experts
	to describe the results. The experts were fairly
	consistent in the key factors that they mentioned.
31. Clarity of major themes	The major themes were clearly presented in the results
	and in figure 1.
32. Clarity of minor themes	Of each major theme, several examples and country-
	specific details mentioned by the experts were
	presented.

Reference: Tong A, Sainsbury P, Craig J. Consolidated criteria for reporting qualitative research (COREQ): a 32-item checklist for interviews and focus groups. *Int J Qual Health Care* 2007; **19**, 349–357. doi: 10.1093/intqhc/mzm042