Appendix 5: systematic review search strategy

From consideration of the research question, three primary search terms were identified: ‘emergency department’; ‘structure, process and outcome’; and ‘pharmacist’.

Further search terms used included synonyms of these primary terms, and also those identified through review of the keywords of some initial search results. Table 1 overleaf presents complete lists of terms used and their combination through Boolean operators.

Table 1: Search terms and Boolean operators

	AND			
	Term 1: Emergency department	**Term 2: Structure, process and outcome**		**Term 3: Pharmacist**
OR	Emergency department*	Structure*	Interpersonal	Pharmacist*
	ED	Organisation*	Clinical care	Pharmacy service
	casualty	Characteristics	Biomedical care	Pharmacy
	A&E	Resources	Management	
	Accident and emergency	Staff	Co-ordination	
	Emergency room*	Equipment	Outcome*	
		Building*	Patient reported outcome*	
		Personnel	Health related outcome*	
		Skills	Health related quality of life	
		Management	Consequence*	
		Skill-mix	Result*	
		Teamworking	Health status	
		Process*	User evaluation	
		Preventative care	Satisfaction	
		Acute illness	Enablement	
		Chronic care	Symptom resolution	
		Interventions	Evaluat*	
		Care delivery	Investigat*	
		Care provision	Impact	
		Interaction	Measure	
		Relationship	Indicator	
		Technical care		

Five databases commonly used in Health Services Research were searched between 03/07/2017 and 18/12/2017. The number of publications identified through each database, and the search limiters used, are given in Table 2.

Table 2: Databases and limiters used

Database	Date of search	Publications identified	Search limiters used		
			Term 1	Term 2	Term 3
CINAHL	03/07/2017	74	Abstract	Title	Title
Web of Science Core Collection	03/07/2017	114	Topic	Title	Title
Medline	09/10/2017	116	Abstract	Title	Title
IPA	09/10/2017	94	Abstract	Title	Title
Embase	18/12/2017	282	Abstract	Title	Title