

Supplemental Material S1. Search terms for each database.

Database	Search Strategy	Yield
Web of Science	TS=(mechanical ventil*) AND TS=(augmentative alternative communication)	16
	((ALL=(augmentative alternative communication)) OR ALL=(communication aid)) AND ALL=(intensive care unit)	160
	((TS=(augmentative alternative communication)) OR TS=(communication aid)) AND TS=(intensive care unit)	1
	(TS=(mechanical ventilation)) AND TS=(Augmentative and alternative communication)	16
	(TS=("patient provider communication")) AND TS=("intensive care")	18
	(TS=("nurse communication")) AND TS=("intensive care")	24
	(TS=(communication)) AND TS=(mechanical ventilation)	555
	(TS=(tracheostomy)) AND TS=(communication)	241
PubMed	("Communication Aids for Disabled"[Mesh]) AND "Intensive Care Units"[Mesh]	9
	("Tracheostomy"[Mesh]) AND "Communication Aids for Disabled"[Mesh]	7
	("Respiration, Artificial"[Mesh]) AND "Nonverbal Communication"[Mesh]	40
	("Nonverbal Communication"[Mesh]) AND "Critical Care"[Mesh]	46
	("Respiration, Artificial"[Mesh]) AND "Communication Aids for Disabled"[Mesh]	12
	("Nurse-Patient Relations"[Mesh]) AND "Communication Aids for Disabled"[Mesh]	22
APA PsycINFO (EBSCO)	ALL "augmentative and alternative communication" or "aac" or "communication device" AND ALL "mechanical ventilation" or "mechanically ventilated" or "artificial ventilation"	5
	SU ("augmentative and alternative communication" or "aac" or "communication device") AND SU ("intensive care unit" or "icu" or "critical care" or "critical care unit")	3
	AB "communication strategies" AND AB "mechanical ventilation"	2
	SU "communication strategies" AND SU "mechanical ventilation"	2

	SU (tracheostomy or tracheotomy or trach or trache or trachy) AND SU communication	21
	SU "augmentative and alternative communication" or "aac" or "communication device" AND SU "acute care" or "acute setting" or "acute hospital" or "inpatient"	0
	ALL "augmentative and alternative communication" or "aac" or "communication device" AND ALL "acute care" or "acute setting" or "acute hospital" or "inpatient"	11
Academic Search Complete (EBSCO)	SU ("augmentative and alternative communication" or "aac" or "communication device") AND SU ("mechanical ventilation" or "mechanically ventilated" or "artificial ventilation")	0
	SU ("augmentative and alternative communication" or "aac" or "communication device") AND AB ("mechanical ventilation" or "mechanically ventilated" or "artificial ventilation")	0
	SU ("augmentative and alternative communication" or "aac" or "communication device") AND SU ("intensive care unit" or "icu" or "critical care" or "critical care unit")	0
	"communication strategies" AND ("mechanical ventilation" or "mechanically ventilated" or "artificial ventilation" or "intubated" or "intubation" or "ventilator")	18