

Table 2 Research fields and frequent words included in care technology or engineering

1921–1969		1970–1979		1980–1989		1990–1999		2000–2009		2010–2019	
6 Articles	n (%)	51 Articles	n (%)	75 Articles	n (%)	235 Articles	n (%)	367 Articles	n (%)	1084 Articles	n (%)
1. Research Field (until top 6)											
Medicine—General Internal	3 (50.0)	Biomedical Engineering	10 (19.6)	Biomedical Engineering	13 (17.3)	Healthcare Science Services	64 (27.2)	Healthcare Science Services	104 (28.3)	Healthcare Science Services	207 (19.1)
Engineering Aerospace	1 (16.7)	Medicine—General Internal	9 (17.6)	Medicine—General Internal	10 (13.3)	Medical Informatics	52 (22.1)	Medical Informatics	54 (14.7)	Nursing	150 (13.8)
Psychiatry	1 (16.7)	Public Environmental Occupational Health	8 (15.7)	Health Policy Services	9 (12.0)	Public Environmental Occupational Health	32 (13.6)	Health Policy Services	51 (13.9)	Health Policy Services	112 (10.3)
Public Environmental Occupational Health	1 (16.7)	Health Policy Services	5 (9.8)	Public Environmental Occupational Health	8 (10.7)	Computer Science Information Systems	25 (10.6)	Public Environmental Occupational Health	50 (13.6)	Public Environmental Occupational Health	111 (10.2)
		Economics	3 (5.9)	Healthcare Science Services	7 (9.3)	Health Policy Services	24 (10.2)	Computer Science Information Systems	40 (10.9)	Medical Informatics	104 (9.6)
		Multidisciplinary Sciences	3 (5.9)	Medical Informatics	7 (9.3)	Medicine—General Internal	24 (10.2)	Nursing	34 (9.3)	Medicine—General Internal	67 (6.2)
2. Frequent Words: Verbs, Adjectives, Nouns, and Adverbs (until top 10)											
child	2 (33.3)	health	37 (72.5)	health	41 (54.7)	health	145 (61.7)	health	190 (51.8)	health	454 (41.9)
health	2 (33.3)	medical	9 (17.6)	medical	14 (18.7)	information	41 (17.4)	information	91 (24.8)	information	197 (18.2)
medical	2 (33.3)	cost	6 (11.8)	cost	9 (12.0)	new	28 (11.9)	use	46 (12.5)	use	112 (10.3)
		new	5 (9.8)	system	7 (9.3)	cost/ home	15 (6.4)	new	32 (8.7)	primary	100 (9.2)
		need/ system	4 (7.8)	evaluation/ home	6 (8.0)	medical	14 (6.0)	assessment	30 (8.2)	study	96 (8.9)
				impact/ new/ use/ technology	5 (6.7)	use	13 (5.5)	medical	27 (7.4)	patient	84 (7.7)
				assessment		care/ child	12 (5.1)	system	25 (6.8)	use	78 (7.2)
						assessment	11 (4.7)	improve	24 (6.5)	system	73 (6.7)
								patient	19 (5.2)	improve	72 (6.6)
								home/ quality	18 (4.9)	communication	60 (5.5)
<i>Health, Medical</i>		<i>Cost</i>		<i>System</i>		<i>Information</i>		<i>Assessment</i>		<i>primary</i>	
3. Prior or Two Previous Words before ‘Care’ (until top 10)											
health	2 (33.3)	health	10 (19.6)	health	42 (56.0)	health	139 (59.1)	health	142 (38.7)	health	245 (22.6)
patient	1 (16.7)	medical	3 (5.9)	medical	8 (10.7)	home	12 (5.1)	intensive	17 (4.6)	primary	99 (9.1)
medical	1 (16.7)	animal/ community/	1 (2.0)	home	5 (6.7)	critical	9 (3.8)	patient/ primary	14 (3.8)	intensive	50 (4.6)
child	1 (16.7)	continuing/ engineering		intensive	3 (4.0)	intensive	7 (3.0)	point of	13 (3.5)	point of	45 (4.2)
		orthopaedic/ engineering		health delivery/ patient/	2 (2.7)	eye/ manage	6 (2.6)	manage	11 (3.0)	patient	34 (3.1)
		technical/ environmental/		mental health		primary	5 (2.1)	critical/ home/ medical/	9 (2.5)	home	31 (2.9)
		home/ mental health/ special				diabetes/ patient	4 (1.7)	quality		self	24 (2.2)
						skin	3 (1.3)			quality	23 (2.1)
										palliative	22 (2.0)
										improve	19 (1.8)
<i>Health, Medical</i>		<i>Home</i>		<i>Critical, Intensive</i>		<i>Patient, Primary</i>		<i>Self, Quality, Palliative</i>			