

Supplementary materials – Databases search strategy

Medline (Ovid)

Date of the search: 09-12-2021

Database limit: We limited the results to publications between 01-01-2004 and 09-12-2021

#	Search strategy	Results
1	("Business Process*" adj1 (Model* OR Method? OR management)).ti,ab,kw,kf OR "Decision Model* notation".ti,ab,kw,kf OR BPMN*.ti,ab,kw,kf OR BPM.ti,kw,kf	285
2	Critical Pathways/ OR Practice Guidelines as Topic/ OR Workflow/ OR Clinical Decision-Making/ OR Decision Support Systems, Clinical/ OR Patient Care Management/	163743
3	(Decision adj1 (making OR support)).ti,ab,kw OR ((clinical OR medical OR healthcare OR "health care") adj2 process*).ti,ab,kw OR ((healthcare OR clinical OR critical OR care) adj2 path*).ti,ab,kw OR guideline*.ti,ab,kw OR Workflow*.ti,ab,kw OR careflow*.ti,ab,kw OR "patient journey".ti,ab,kw	686144
4	2 or 3	769504
5	1 and 4	99
6	limit 5 to ed=20040101-20211209	85

Embase (Embase.com)

Date of the search: 09-12-2021

Database limit: We limited the results to publications between 01-01-2004 and 09-12-2021

#	Search strategy	Results
1	("Business Process*" NEAR/1 (Model* OR Method\$ OR management)):ti,ab,kw OR "Decision Model* notation":ti,ab,kw OR BPMN*:ti,ab,kw OR BPM:ti,kw	368
2	'practice guideline'/de OR 'clinical pathway'/de OR 'clinical protocol'/de OR 'workflow'/de OR 'decision support system'/exp OR 'clinical decision making'/de	681,799
3	(Decision NEAR/1 (making OR support)):ti,ab,kw OR ((clinical OR medical OR healthcare OR "health care" OR "Patient care") NEAR/2 process*).ti,ab,kw OR ((healthcare OR clinical OR critical OR care) NEAR/2 path*).ti,ab,kw OR guideline*.ti,ab,kw OR Workflow*.ti,ab,kw OR careflow*.ti,ab,kw OR "patient journey":ti,ab,kw OR "Healthcare trajectory":ti,ab,kw	1,040,782
4	#2 OR #3	1,381,760
5	#1 AND #4	117
6	#5 AND [01-01-2004]/sd	112

Academic Search Premier

Date of the search: 09-12-2021

Database limit: We limited the results to publications between 01-01-2004 and 09-12-2021

#	Search strategy	Results
1	TI ("Business Process*" N1 (Model* OR Method# OR management)) OR TI "Decision Model* notation" OR TI BPMN* OR TI BPM OR AB ("Business Process*" N1 (Model* OR Method# OR management)) OR AB "Decision Model* notation" OR AB BPMN* OR KW ("Business Process*" N1 (Model* OR Method# OR management)) OR KW "Decision Model* notation" OR KW BPMN* OR KW BPM	2,229
2	DE GUIDELINES OR DE "DECISION support systems" OR DE "DECISION making" OR DE "MEDICAL protocols" OR DE "WORKFLOW" OR DE "PATIENT management"	180,673
3	TI (Decision N1 (making OR support)) OR TI ((clinical OR medical OR healthcare OR "health care" OR "Patient care") N2 process*) OR TI ((healthcare OR clinical OR critical OR care) N2 path*) OR TI guideline* OR TI Workflow* OR TI careflow* OR TI "patient journey" OR TI "Healthcare trajectory" OR AB (Decision N1 (making OR support)) OR AB ((clinical OR medical OR healthcare OR	596,181

	"health care" OR "PaABent care") N2 process*) OR AB ((healthcare OR clinical OR criABcal OR care) N2 path*) OR AB guideline* OR AB Workflow* OR AB careflow* OR AB "paABent journey" OR AB "Healthcare trajectory" OR KW (Decision N1 (making OR support)) OR KW ((clinical OR medical OR healthcare OR "health care" OR "PaKwent care") N2 process*) OR KW ((healthcare OR clinical OR criKWcal OR care) N2 path*) OR KW guideline* OR KW Workflow* OR KW careflow* OR KW "paKwent journey" OR KW "Healthcare trajectory"	
4	S2 OR S3	664,934
5	S1 AND S4	390
6	S5 AND DT 20040101-20211209	359

ABI/Inform (ProQuest)

Date of the search: 09-12-2021

Database limit: We limited the results to peer review publications between 01-01-2004 and 09-12-2021

#	Search strategy	Results
1	TI,AB(("Business Process*" NEAR/1 (Model* OR Method? OR management)) OR "Decision Model* notation" OR BPMN*) OR TI(BPM)	3 110
2	SU("Patient care planning") OR SU("Guidelines") OR SU("Decision support systems") OR SU("Decision making")	305 337
3	TI,AB(Decision NEAR/1 (making OR support)) OR TI,AB((clinical OR medical OR healthcare OR "health care" OR "Patient care") NEAR/2 process*) OR TI,AB((healthcare OR clinical OR critical OR care) NEAR/2 path*) OR TI,AB(guideline*) OR TI,AB(Workflow*) OR TI,AB(careflow*) OR TI,AB("patient journey") OR TI,AB("Healthcare trajectory"))	229 017
4	2 OR 3	447 323
5	1 AND 4	668
6	5 AND YR(2004-2021)	553
7	Peer review publications only limit	311

Web of Science

Date of the search: 09-12-2021

Database limit: We limited the results to publications between 01-01-2004 and 09-12-2021

#	Search strategy	Results
1	TS=("Business Process*" NEAR/1 (Model* OR Method\$ OR management)) OR TS="Decision Model* notation" OR TS=BPMN* OR TI=BPM OR KP=BPM OR AK=BPM	9,832
2	TS=("patient decision" NEAR/1 (making OR support)) OR TS=((clinical OR medical OR healthcare OR "health care" OR "Patient care") NEAR/2 process*) OR TS=((healthcare OR clinical OR critical OR care) NEAR/2 path*) OR TS=(guideline*) OR TS=(careflow*) OR TS=("patient journey") OR TS=("Healthcare trajectory"))	692,475
3	#1 AND #2	475

Google Scholar (<https://harzing.com/resources/publish-or-perish>)

Date of the search: 09-12-2021

Database limit: only up to the 20 first results per string have been considered; publications between 2004 and 2021 limit has been applied; citations and patents options have been removed

#	Search	# Results screened
1	("Business Process Model" OR "Business Process Modelling" OR "Business Process Modeling") AND "patient journey"	20

2	("Business Process Model" OR "Business Process Modelling" OR "Business Process Modeling" OR "Business Process management") AND "clinical pathways"	20
3	("Business Process Model" OR "Business Process Modelling" OR "Business Process Modeling" OR "Business Process management") AND "critical pathways"	20
4	("Business Process Model" OR "Business Process Modelling" OR "Business Process Modeling" OR "Business Process management") AND "healthcare pathways"	20
5	("Business Process Model" OR "Business Process Modelling" OR "Business Process Modeling" OR "Business Process management") AND "clinical process"	20
6	("Business Process Model" OR "Business Process Modelling" OR "Business Process Modeling" OR "Business Process management") AND "medical process"	20
7	("Business Process Model" OR "Business Process Modelling" OR "Business Process Modeling" OR "Business Process management") AND "healthcare process"	20
8	("Business Process Model" OR "Business Process Modelling" OR "Business Process Modeling" OR "Business Process management") AND "health care process"	20
9	("Business Process Model" OR "Business Process Modelling" OR "Business Process Modeling" OR "Business Process management") AND guideline	20
10	("Business Process Model" OR "Business Process Modelling" OR "Business Process Modeling" OR "Business Process management") AND guidelines	20
11	("Business Process Model" OR "Business Process Modelling" OR "Business Process Modeling" OR "Business Process management") AND "decision support"	20
12	("Business Process Model" OR "Business Process Modelling" OR "Business Process Modeling" OR "Business Process management") AND "Healthcare trajectory"	1
Total number of results		221