

Material suplementario: Estrategias, rutas de búsqueda y resultados**Estrategia de búsqueda**

Como se detalló en los métodos, la búsqueda se inició con una prueba en PubMed para luego adaptar la estrategia a las otras bases de datos consideradas en la revisión. Las tablas 1 y 2 muestran la estrategia de búsqueda realizada en PubMed y su respectiva adaptación al español haciendo uso de los Descriptores de Ciencias de la Salud (DeCS)(145).

Tabla 1. Estrategia de búsqueda en Pubmed.

Key concept	Strategy in PubMed
Life support	#1 "Advanced Cardiac Life Support"[Mesh] #2 "Extracorporeal Membrane Oxygenation"[Mesh] #3 "Continuous Renal Replacement Therapy" [Mesh] #4 "Biomedical technology" [Mesh] #5 Life support [Text Word] #6 Life support technics [Text Word] #7 Life support technology [Text Word]
Survival	#1 "Survival"[MeSH] #2 Survival [Text Word] #3 Death [Text Word]
Population	#1 "Critical care" [MeSH] #2 Critical care [Text Word]
Action	#1 "Decision making" [MeSH] #2 Decision making [Text Word]

Tabla 2. Estrategia de búsqueda adaptada al español.

Key concept	Strategy in PubMed
Soporte Vital	#1 "Apoyo Vital Cardíaco Avanzado" [Mesh] #2 "Oxigenación por Membrana Extracorpórea" [Mesh] #3 "Terapia de Reemplazo Renal Continuo" [Mesh] #4 "Tecnología Biomédica" [Mesh] #5 "Soporte vital" [Text Word] #6 "técnicas de soporte vital" [Text Word] #7 "tecnologías de soporte vital" [Text Word]
Sobrevida	#1 "Sobrevida" [Mesh] #2 Sobrevida [Text word]
Población	#1 "Cuidados criticos" [Mesh]
Acción	#1 "Toma de decisiones" #2 Toma de decisiones

Definición de límites

Estudios realizados en los últimos 5 años.

Rutas de búsqueda

A continuación, se presentan las rutas de búsqueda utilizadas en cada base de datos y sus resultados

Tabla 3. Ruta de búsqueda y resultados obtenidos en PubMed.

Search number	Query	Sort By	Filters	Search Details	Results
25	#12 AND #16 AND #19 AND #22		in the last 5 years, Adult: 19+ years	((("advanced cardiac life support"[MeSH Terms] OR ("advanced cardiac life support"[MeSH Terms] OR ("advanced"[All Fields] AND "cardiac"[All Fields] AND "life"[All Fields] AND "support"[All Fields]) OR "advanced cardiac life support"[All Fields]) OR "extracorporeal membrane oxygenation"[MeSH Terms] OR ("extracorporeal membrane oxygenation"[MeSH Terms] OR ("extracorporeal"[All Fields] AND "membrane"[All Fields] AND "oxygenation"[All Fields]) OR "extracorporeal membrane oxygenation"[All Fields]) OR "continuous renal replacement therapy"[MeSH Terms] OR ("continuous renal replacement therapy"[MeSH Terms] OR	155

Search number	Query	Sort By	Filters	Search Details	Results
				("continuous"[All Fields] AND "renal"[All Fields] AND "replacement"[All Fields] AND "therapy"[All Fields]) OR "continuous renal replacement therapy"[All Fields]) OR "biomedical technology"[MeSH Terms] OR ("biomedical technology"[MeSH Terms] OR ("biomedical"[All Fields] AND "technology"[All Fields]) OR "biomedical technology"[All Fields]) OR ("life"[MeSH Terms] OR "life"[All Fields]) AND ("support"[All Fields] OR "support s"[All Fields] OR "supported"[All Fields] OR "supporter"[All Fields] OR "supporter s"[All Fields] OR "supporters"[All Fields] OR "supporting"[All Fields] OR "supportive"[All Fields] OR "supportiveness"[All Fields] OR "supports"[All Fields])) OR ("life"[MeSH Terms] OR "life"[All Fields]) AND ("support"[All Fields] OR "support s"[All Fields] OR "supported"[All Fields] OR "supporter"[All Fields] OR "supporter s"[All Fields] OR "supporters"[All Fields] OR "supporting"[All Fields] OR "supportive"[All Fields] OR "supportiveness"[All Fields] OR "supports"[All Fields]) AND ("technic"[All Fields] OR "technics"[All Fields])) OR ("life"[MeSH Terms] OR "life"[All Fields]) AND ("support"[All Fields] OR "support s"[All Fields] OR "supported"[All Fields] OR "supporter"[All Fields] OR "supporter s"[All Fields] OR "supporters"[All Fields] OR "supporting"[All Fields] OR "supportive"[All Fields] OR "supportiveness"[All Fields] OR "supports"[All Fields]) AND ("technology"[MeSH Terms] OR "technology"[All Fields] OR "technologies"[All Fields] OR "technologys"[All Fields])) AND ("survival"[MeSH Terms] OR ("mortality"[MeSH Subheading] OR "mortality"[All Fields] OR "survival"[All Fields] OR "survival"[MeSH Terms] OR "survivability"[All Fields] OR "survivable"[All Fields] OR "survivals"[All Fields] OR "survive"[All Fields] OR "survived"[All Fields] OR "survives"[All Fields] OR "surviving"[All Fields]) OR ("death"[MeSH Terms] OR "death"[All	

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Search number	Query	Sort By	Filters	Search Details	Results
24	#12 AND #16 AND #19 AND #22		in the last 5 years	Fields] OR "deaths"[All Fields])) AND ("critical care"[MeSH Terms] OR ("critical care"[MeSH Terms] OR ("critical"[All Fields] AND "care"[All Fields]) OR "critical care"[All Fields])) AND ("decision making"[MeSH Terms] OR ("decision making"[MeSH Terms] OR ("decision"[All Fields] AND "making"[All Fields]) OR "decision making"[All Fields])) AND ((y_5[Filter] AND (alladult[Filter]))	405
				((("advanced cardiac life support"[MeSH Terms] OR ("advanced cardiac life support"[MeSH Terms] OR ("advanced"[All Fields] AND "cardiac"[All Fields] AND "life"[All Fields] AND "support"[All Fields]) OR "advanced cardiac life support"[All Fields]) OR "extracorporeal membrane oxygenation"[MeSH Terms] OR ("extracorporeal membrane oxygenation"[MeSH Terms] OR ("extracorporeal"[All Fields] AND "membrane"[All Fields] AND "oxygenation"[All Fields]) OR "extracorporeal membrane oxygenation"[All Fields]) OR "continuous renal replacement therapy"[MeSH Terms] OR ("continuous renal replacement therapy"[MeSH Terms] OR ("continuous"[All Fields] AND "renal"[All Fields] AND "replacement"[All Fields] AND "therapy"[All Fields]) OR "continuous renal replacement therapy"[All Fields]) OR "biomedical technology"[MeSH Terms] OR ("biomedical technology"[MeSH Terms] OR ("biomedical"[All Fields] AND "technology"[All Fields]) OR "biomedical technology"[All Fields]) OR ("life"[MeSH Terms] OR "life"[All Fields]) AND ("support"[All Fields] OR "support s"[All Fields] OR "supported"[All Fields] OR "supporter"[All Fields] OR "supporter s"[All Fields] OR "supporters"[All Fields] OR "supporting"[All Fields] OR "supportive"[All Fields] OR "supportiveness"[All Fields] OR "supports"[All Fields])) OR ("life"[MeSH Terms] OR "life"[All Fields]) AND ("support"[All Fields] OR "support s"[All Fields] OR "supported"[All Fields] OR	

Search number	Query	Sort By	Filters	Search Details	Results
23	#12 AND #16 AND #19 AND #22			<p>"supporter"[All Fields] OR "supporter s"[All Fields] OR "supporters"[All Fields] OR "supporting"[All Fields] OR "supportive"[All Fields] OR "supportiveness"[All Fields] OR "supports"[All Fields]) AND ("technic"[All Fields] OR "technics"[All Fields])) OR ((("life"[MeSH Terms] OR "life"[All Fields]) AND ("support"[All Fields] OR "support s"[All Fields] OR "supported"[All Fields] OR "supporter"[All Fields] OR "supporter s"[All Fields] OR "supporters"[All Fields] OR "supporting"[All Fields] OR "supportive"[All Fields] OR "supportiveness"[All Fields] OR "supports"[All Fields]) AND ("technology"[MeSH Terms] OR "technology"[All Fields] OR "technologies"[All Fields] OR "technology s"[All Fields])))) AND ("survival"[MeSH Terms] OR ("mortality"[MeSH Subheading] OR "mortality"[All Fields] OR "survival"[All Fields] OR "survival"[MeSH Terms] OR "survivability"[All Fields] OR "survivable"[All Fields] OR "survivals"[All Fields] OR "survive"[All Fields] OR "survived"[All Fields] OR "survives"[All Fields] OR "surviving"[All Fields]) OR ("death"[MeSH Terms] OR "death"[All Fields] OR "deaths"[All Fields])) AND ("critical care"[MeSH Terms] OR ("critical care"[MeSH Terms] OR ("critical care"[All Fields] AND "care"[All Fields]) OR "critical care"[All Fields])) AND ("decision making"[MeSH Terms] OR ("decision making"[MeSH Terms] OR ("decision making"[MeSH Terms] OR ("decision"[All Fields] AND "making"[All Fields]) OR "decision making"[All Fields])))) AND (y_5[Filter])</p> <p>("advanced cardiac life support"[MeSH Terms] OR ("advanced cardiac life support"[MeSH Terms] OR ("advanced"[All Fields] AND "cardiac"[All Fields] AND "life"[All Fields] AND "support"[All Fields]) OR "advanced cardiac life support"[All Fields]) OR "extracorporeal membrane oxygenation"[MeSH Terms] OR ("extra-</p>	1,102

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Search number	Query	Sort By	Filters	Search Details	Results
				corporeal membrane oxygenation"[MeSH Terms] OR ("extracorporeal"[All Fields] AND "membrane"[All Fields] AND "oxygenation"[All Fields]) OR "extracorporeal membrane oxygenation"[All Fields]) OR "continuous renal replacement therapy"[MeSH Terms] OR ("continuous renal replacement therapy"[MeSH Terms] OR ("continuous"[All Fields] AND "renal"[All Fields] AND "replacement"[All Fields] AND "therapy"[All Fields]) OR "continuous renal replacement therapy"[All Fields]) OR "biomedical technology"[MeSH Terms] OR ("biomedical technology"[MeSH Terms] OR ("biomedical"[All Fields] AND "technology"[All Fields]) OR "biomedical technology"[All Fields]) OR ("life"[MeSH Terms] OR "life"[All Fields]) AND ("support"[All Fields] OR "support s"[All Fields] OR "supported"[All Fields] OR "supporter"[All Fields] OR "supporter s"[All Fields] OR "supporters"[All Fields] OR "supporting"[All Fields] OR "supportive"[All Fields] OR "supportiveness"[All Fields] OR "supports"[All Fields])) OR ("life"[MeSH Terms] OR "life"[All Fields]) AND ("support"[All Fields] OR "support s"[All Fields] OR "supported"[All Fields] OR "supporter"[All Fields] OR "supporter s"[All Fields] OR "supporters"[All Fields] OR "supporting"[All Fields] OR "supportive"[All Fields] OR "supportiveness"[All Fields] OR "supports"[All Fields]) AND ("technic"[All Fields] OR "technics"[All Fields])) OR ("life"[MeSH Terms] OR "life"[All Fields]) AND ("support"[All Fields] OR "support s"[All Fields] OR "supported"[All Fields] OR "supporter"[All Fields] OR "supporter s"[All Fields] OR "supporters"[All Fields] OR "supporting"[All Fields] OR "supportive"[All Fields] OR "supportiveness"[All Fields] OR "supports"[All Fields]) AND ("technology"[MeSH Terms] OR "technology"[All Fields] OR "technologies"[All Fields] OR "technolog y s"[All Fields])) AND ("survival"[MeSH Terms] OR ("mortality"[MeSH Subheading] OR "mortality"[All Fields] OR "survival"[All Fields] OR "survival"[MeSH	

Search number	Query	Sort By	Filters	Search Details	Results
22	#20 OR #21			Terms] OR "survivability"[All Fields] OR "survivable"[All Fields] OR "survivals"[All Fields] OR "survive"[All Fields] OR "survived"[All Fields] OR "survives"[All Fields] OR "surviving"[All Fields]) OR ("death"[MeSH Terms] OR "death"[All Fields] OR "deaths"[All Fields])) AND ("critical care"[MeSH Terms] OR ("critical care"[MeSH Terms] OR ("critical"[All Fields] AND "care"[All Fields]) OR "critical care"[All Fields])) AND ("decision making"[MeSH Terms] OR ("decision making"[MeSH Terms] OR ("decision"[All Fields] AND "making"[All Fields]) OR "decision making"[All Fields]))	389,569
21	decision making			"decision making"[MeSH Terms] OR ("decision making"[MeSH Terms] OR ("decision"[All Fields] AND "making"[All Fields]) OR "decision making"[All Fields])	389,569
20	decision making [MeSH Terms]			"decision making"[MeSH Terms]	227,004
19	#17 OR #18			critical care"[MeSH Terms] OR ("critical care"[MeSH Terms] OR ("critical"[All Fields] AND "care"[All Fields]) OR "critical care"[All Fields])	357,594
18	critical care			"critical care"[MeSH Terms] OR ("critical"[All Fields] AND "care"[All Fields]) OR "critical care"[All Fields]	357,594
17	critical care [MeSH Terms]			"critical care"[MeSH Terms]	64,996

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Search number	Query	Sort By	Filters	Search Details	Results
16	#13 OR #14 OR #15			"survival"[MeSH Terms] OR "mortality"[MeSH Subheading] OR "mortality"[All Fields] OR "survival"[All Fields] OR "survival"[MeSH Terms] OR "survivability"[All Fields] OR "survivable"[All Fields] OR "survivals"[All Fields] OR "survive"[All Fields] OR "survived"[All Fields] OR "survives"[All Fields] OR "surviving"[All Fields] OR "death"[MeSH Terms] OR "death"[All Fields] OR "deaths"[All Fields]	3,141,953
15	death			"death"[MeSH Terms] OR "death"[All Fields] OR "deaths"[All Fields]	1,138,494
14	survival			"mortality"[MeSH Subheading] OR "mortality"[All Fields] OR "survival"[All Fields] OR "survival"[MeSH Terms] OR "survivability"[All Fields] OR "survivable"[All Fields] OR "survivals"[All Fields] OR "survive"[All Fields] OR "survived"[All Fields] OR "survives"[All Fields] OR "surviving"[All Fields]	2,462,991
13	Survival [MeSH Terms]			"survival"[MeSH Terms]	4,911
12	#1 OR #2 OR #3 OR #4 OR #5 OR #6 OR #7 OR #8 OR #9 OR #10 OR #11			"advanced cardiac life support"[MeSH Terms] OR ("advanced cardiac life support"[MeSH Terms] OR ("advanced"[All Fields] AND "cardiac"[All Fields] AND "life"[All Fields] AND "support"[All Fields]) OR "advanced cardiac life support"[All Fields]) OR "extracorporeal membrane oxygenation"[MeSH Terms] OR ("extracorporeal membrane oxygenation"[MeSH Terms] OR ("extracorporeal"[All Fields] AND "membrane"[All Fields] AND "oxygenation"[All Fields]) OR "extracorporeal membrane oxygenation"[All Fields]) OR "continuous renal replacement therapy"[MeSH Terms] OR ("continuous renal replacement therapy"[MeSH Terms] OR ("continuous"[All Fields] AND "renal"[All Fields] AND "replacement"[All Fields] AND "therapy"[All Fields]) OR	1,083,912

Search number	Query	Sort By	Filters	Search Details	Results
11	Life support technology			<p>"continuous renal replacement therapy"[All Fields] OR "biomedical technology"[MeSH Terms] OR ("biomedical technology"[MeSH Terms] OR ("biomedical"[All Fields] AND "technology"[All Fields]) OR "biomedical technology"[All Fields]) OR ("life"[MeSH Terms] OR "life"[All Fields]) AND ("support"[All Fields] OR "support s"[All Fields] OR "supported"[All Fields] OR "supporter"[All Fields] OR "supporter s"[All Fields] OR "supporters"[All Fields] OR "supporting"[All Fields] OR "supportive"[All Fields] OR "supportiveness"[All Fields] OR "supports"[All Fields])) OR ("life"[MeSH Terms] OR "life"[All Fields]) AND ("support"[All Fields] OR "support s"[All Fields] OR "supported"[All Fields] OR "supporter"[All Fields] OR "supporter s"[All Fields] OR "supporters"[All Fields] OR "supporting"[All Fields] OR "supportive"[All Fields] OR "supportiveness"[All Fields] OR "supports"[All Fields]) AND ("technic"[All Fields] OR "technics"[All Fields])) OR ("life"[MeSH Terms] OR "life"[All Fields]) AND ("support"[All Fields] OR "support s"[All Fields] OR "supported"[All Fields] OR "supporter"[All Fields] OR "supporter s"[All Fields] OR "supporters"[All Fields] OR "supporting"[All Fields] OR "supportive"[All Fields] OR "supportiveness"[All Fields] OR "supports"[All Fields]) AND ("technology"[MeSH Terms] OR "technology"[All Fields] OR "technologies"[All Fields] OR "technology s"[All Fields]))</p> <p>("life"[MeSH Terms] OR "life"[All Fields]) AND ("support"[All Fields] OR "support s"[All Fields] OR "supported"[All Fields] OR "supporter"[All Fields] OR "supporter s"[All Fields] OR "supporters"[All Fields] OR "supporting"[All Fields] OR "supportive"[All Fields] OR "supportiveness"[All Fields] OR "supports"[All Fields]) AND ("technology"[MeSH Terms] OR "technology"[All Fields] OR "technologies"[All Fields] OR "technology s"[All Fields])</p>	118,183

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Search number	Query	Sort By	Filters	Search Details	Results
10	Life support technics			("life"[MeSH Terms] OR "life"[All Fields]) AND ("support"[All Fields] OR "support s"[All Fields] OR "supported"[All Fields] OR "supporter"[All Fields] OR "supporter s"[All Fields] OR "supporters"[All Fields] OR "supporting"[All Fields] OR "supportive"[All Fields] OR "supportiveness"[All Fields] OR "supports"[All Fields]) AND ("technic"[All Fields] OR "technics"[All Fields])	92
9	Life support			("life"[MeSH Terms] OR "life"[All Fields]) AND ("support"[All Fields] OR "support s"[All Fields] OR "supported"[All Fields] OR "supporter"[All Fields] OR "supporter s"[All Fields] OR "supporters"[All Fields] OR "supporting"[All Fields] OR "supportive"[All Fields] OR "supportiveness"[All Fields] OR "supports"[All Fields])	902,732
8	Biomedical technology			"biomedical technology"[MeSH Terms] OR ("biomedical"[All Fields] AND "technology"[All Fields]) OR "biomedical technology"[All Fields]	173,241
7	Biomedical technology [MeSH Terms]			"biomedical technology"[MeSH Terms]	16,950
6	Continuous Renal Replacement Therapy			"continuous renal replacement therapy"[MeSH Terms] OR ("continuous"[All Fields] AND "renal"[All Fields] AND "replacement"[All Fields] AND "therapy"[All Fields]) OR "continuous renal replacement therapy"[All Fields]	5,520
5	Continuous Renal Replacement Therapy [MeSH Terms]			"continuous renal replacement therapy"[MeSH Terms]	638
4	Extracorporeal Membrane Oxygenation			"extracorporeal membrane oxygenation"[MeSH Terms] OR ("extracorporeal"[All Fields] AND "membrane"[All Fields] AND "oxygenation"[All Fields]) OR "extracorporeal membrane oxygenation"[All Fields]	20,233

Search number	Query	Sort By	Filters	Search Details	Results
3	Extracorporeal Membrane Oxygenation [MeSH Terms]			"extracorporeal membrane oxygenation" [MeSH Terms]	14,259
2	Advanced Cardiac Life Support			"advanced cardiac life support"[MeSH Terms] OR ("advanced"[All Fields] AND "cardiac"[All Fields] AND "life"[All Fields] AND "support"[All Fields]) OR "advanced cardiac life support"[All Fields]	4,343
1	Advanced Cardiac Life Support [MeSH Terms]			"advanced cardiac life support"[MeSH Terms]	1,044

Tabla 4. Ruta de búsqueda y resultados obtenidos en Scopus.

Ruta	Resultados
TITLE-ABS-KEY (*life AND support*) AND ALL ("decision making") AND TITLE-ABS-KEY (*critical AND care*) AND ALL ("survival") AND ALL ("adult") AND (LIMIT-TO (PUBYEAR, 2022) OR LIMIT-TO (PUBYEAR, 2021) OR LIMIT-TO (PUBYEAR, 2020) OR LIMIT-TO (PUBYEAR, 2019) OR LIMIT-TO (PUBYEAR, 2018))	218

Tabla 5. Ruta de búsqueda y resultados obtenidos en Science direct.

Ruta	Resultados
life support systems- "decision making"- "critical care"- "survival"*	1308

*Filtros: Review, adulto, últimos 5 años.

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Tabla 6. Ruta de búsqueda y resultados obtenidos en Cochrane Library.

ID	Search	Hits
#1	("life support"): ti,ab,kw (Word variations have been searched)	1377
#2	decision making	20169
#3	critical care	31802
#4	survival	123000
#5	#1 AND #2 AND #3 AND #4	6

Tabla 7. Ruta de búsqueda y resultados obtenidos en CINAHL.

Ruta	Resultados
Life support AND decision making AND critical care	9

*Filtros: Adulto, últimos 5 años.

Tabla 8. Ruta de búsqueda y resultados obtenidos en BVS.

Ruta	Resultados
((“Apoyo Vital Cardíaco Avanzado” OR “Oxigenación por Membrana Extracorpórea” OR “Terapia de Reemplazo Renal Continuo” OR “Tecnología Biomédica” OR “Soporte vital” OR “técnicas de soporte vital” OR “tecnologías de soporte vital”) AND (“Sobrevida” OR Sobrevida) AND (“Cuidados críticos”) AND (“Toma de decisiones” OR Toma de decisiones))	9
((“Tecnología Biomédica” OR Soporte vital OR técnicas de soporte vital OR tecnologías de soporte vital) AND (“Sobrevida” OR Sobrevida) AND “Cuidados críticos” AND Toma de decisiones)	9

Tabla 9. Ruta de búsqueda y resultados obtenidos en Scielo.

Ruta	Resultados
Soporte vital AND Cuidados críticos AND Toma de decisiones	0

Criterios de elegibilidad

Teniendo en cuenta elementos derivados del trabajo de campo, se definieron criterios de inclusión y exclusión para guiar la búsqueda. La tabla 10 presenta los criterios de inclusión y exclusión que guiaron el proceso de screening de estudios.

Tabla 10. Criterios de inclusión y exclusión.

Criterios de inclusión	Criterios de exclusión
Estudios realizados en población de paciente crítico adulto.	Estudios limitados a la caracterización de la población de paciente crítico adulto.
Se incluyan aspectos relacionados a la toma de decisiones en tecnologías o técnicas de soporte vital.	Estudios relacionados a procesos clínico-administrativos hospitalarios.
Se indique la consideración del resultado sobrevida o muerte.	Estudios que informen procesos previos al ingreso del paciente a la unidad de paciente crítico.