

## MATERIAL SUPLEMENTARIO

**Tabla Suplementaria 1.** Estrategias de búsqueda bibliográfica por base de datos

Base de datos	Estrategia de búsqueda	Resultados
PubMed	(( ("Child"[Mesh] OR "Adolescent"[Mesh] OR "Pediatrics"[Mesh] OR child*[tiab] OR adolescen*[tiab] OR pediatric*[tiab] OR paediatric*[tiab] OR teen*[tiab] OR youth*[tiab] OR "young people"[tiab] OR "young person*[tiab] ) AND ( "Neoplasms"[Mesh] OR cancer*[tiab] OR neoplasm*[tiab] OR tumor*[tiab] OR tumour*[tiab] OR malignan*[tiab] OR oncolog*[tiab] OR leukemia*[tiab] OR leukaemia*[tiab] OR lymphoma*[tiab] OR sarcoma*[tiab] OR carcinoma*[tiab] OR "hematologic malignan*[tiab] OR "haematologic malignan*[tiab] OR "solid tumor*[tiab] OR "solid tumour*[tiab] ) AND ( ( "Robots"[Mesh] OR "Robotics"[Mesh] OR robot*[tiab] OR robotics[tiab] ) AND ( social*[tiab] OR companion*[tiab] OR humanoid*[tiab] OR "socially assistive"[tiab] OR "socially assistive robot*[tiab] OR "companion robot*[tiab] OR "humanoid robot*[tiab] OR "therapy robot*[tiab] OR "therapeutic robot*[tiab] OR "robotic pet*[tiab] OR "pet robot*[tiab] OR interactive[tiab] OR "human-robot interaction"[tiab] OR "child-robot interaction"[tiab] ) ) OR ( "social robot*[tiab] OR "social robotics"[tiab] OR "socially assistive robot*[tiab] OR "companion robot*[tiab] OR "humanoid robot*[tiab] OR "therapy robot*[tiab] OR "therapeutic robot*[tiab] OR "robotic pet*[tiab] OR "pet robot*[tiab] OR NAO[tiab] OR PARO[tiab] OR AIBO[tiab] OR Kaspar[tiab] OR Jibo[tiab] OR Pleo[tiab] OR QTRobot[tiab] OR Zora[tiab] OR Arash[tiab] OR ((LEGO[tiab] OR "Lego"[tiab] ) AND (robot*[tiab] OR robotics[tiab] ) ) ) ) )	37
PsycINFO	#1 (Title: child* OR Title: adolescen* OR Title: pediatric* OR Title: paediatric* OR Title: teen* OR Title: youth* OR Title: "young people" OR Title: "young person*" OR Title: "school-age*" OR Title: "school age*" OR Title: minor*) OR (Abstract: child* OR Abstract: adolescen* OR Abstract: pediatric* OR Abstract: paediatric* OR Abstract: teen* OR Abstract: youth* OR Abstract: "young people" OR Abstract: "young person*" OR Abstract: "school-age*" OR Abstract: "school age*" OR Abstract: minor*)  #2 (Title: cancer* OR Title: neoplasm* OR Title: tumor* OR Title: tumour* OR Title: malignan* OR Title: oncolog* OR Title: leukemia* OR Title: leukaemia* OR Title: lymphoma* OR Title: sarcoma* OR Title: carcinoma* OR Title: "solid tumor*" OR Title: "solid tumour*" OR Title: "hematologic malignan*" OR Title: "haematologic malignan*" OR Title: "pediatric oncolog*" OR Title: "paediatric oncolog*" OR Title: "childhood cancer*") OR (Abstract: cancer* OR Abstract: neoplasm* OR Abstract: tumor* OR Abstract: tumour* OR Abstract: malignan* OR Abstract: oncolog* OR Abstract: leukemia* OR Abstract: leukaemia* OR Abstract: lymphoma* OR Abstract: sarcoma* OR Abstract: carcinoma* OR Abstract: "solid tumor*" OR Abstract: "solid tumour*" OR Abstract: "hematologic malignan*" OR Abstract: "haematologic malignan*" OR Abstract: "pediatric oncolog*" OR Abstract: "paediatric oncolog*" OR Abstract: "childhood cancer*")  #3 (Title: "social robot*" OR Title: "social robotics" OR Title: "socially assistive" OR Title: "socially assistive robot*" OR Title: "assistive robot*" OR Title: "companion robot*" OR Title: "robotic companion*" OR Title: "humanoid robot*" OR Title: humanoid* OR Title: "therapy robot*" OR Title: "therapeutic robot*" OR Title: "robotic pet*" OR Title: "pet robot*" OR Title: "human-robot interaction" OR Title: "child-robot interaction" OR Title: NAO OR Title: Pepper OR Title: PARO OR Title: AIBO OR Title: Kaspar OR Title: Jibo OR Title: Pleo OR Title: QTRobot OR Title: Zora OR Title: Arash OR ((Title: LEGO OR Title: Lego OR Title: Mindstorms) AND (Title: robot* OR Title: robotics)) OR (Abstract: "social robot*" OR Abstract: "social robotics" OR Abstract: "socially assistive" OR Abstract: "socially assistive robot*" OR Abstract: "assistive robot*" OR Abstract: "companion robot*" OR Abstract: "robotic companion*" OR Abstract: "humanoid robot*" OR Abstract: humanoid* OR Abstract: "therapy robot*" OR Abstract: "therapeutic robot*" OR Abstract: "robotic pet*" OR Abstract: "pet robot*" OR Abstract: "human-robot interaction" OR Abstract: "child-robot interaction" OR Abstract: NAO OR Abstract: Pepper OR Abstract: PARO OR Abstract: AIBO OR Abstract: Kaspar OR Abstract: Jibo OR Abstract: Pleo OR Abstract: QTRobot OR Abstract: Zora OR Abstract: Arash OR ((Abstract: LEGO OR Abstract: Lego OR Abstract: Mindstorms) AND (Abstract: robot* OR Abstract: robotics))	80 744  3 766  2 087
	#1 AND #2 AND #3	35
Scopus	(children OR adolescents OR pediatric) AND (cancer OR oncology) AND ("social robot" OR "socially assistive robot")	175
Cochrane Library	#1 (child* OR adolescen* OR pediatric* OR paediatric* OR teen* OR youth* OR "young people" OR "young person*"):ti,ab,kw  #2 (cancer* OR neoplasm* OR tumor* OR tumour* OR malignan* OR oncolog* OR leukemia* OR leukaemia* OR lymphoma* OR sarcoma* OR carcinoma* OR "solid tumor*" OR "solid tumour*" OR "childhood cancer*" OR "pediatric oncology" OR "paediatric oncology"):ti,ab,kw  #3 (robot* OR robotics OR "social robot*" OR "social robotics" OR "socially assistive" OR "socially assistive robot*" OR "assistive robot*" OR "companion robot*" OR "humanoid robot*" OR humanoid* OR "therapy robot*" OR "therapeutic robot*" OR "robotic pet*" OR "pet robot*" OR "human-robot interaction" OR "child-robot interaction" OR NAO OR Pepper OR PARO OR AIBO OR Kaspar OR Jibo OR Pleo OR QTRobot OR Zora OR Arash):ti,ab,kw  #1 AND #2 AND #3	354 018  319 908  10 089  60
Google Scholar	("social robot" OR "socially assistive robot" OR "companion robot" OR "humanoid robot" AND (cancer OR oncology OR leukemia OR lymphoma) AND (child OR adolescent OR pediatric OR paediatric)	100 primeros resultados

La fecha de búsqueda en todas las bases de datos fue el 20 de enero de 2026.

**Tabla Suplementaria 2.** Estudios excluidos tras la evaluación de elegibilidad en texto completo

n	Primer autor y año	Título de la investigación	Motivo de exclusión	Justificación
1	Logan et al. (2019)	Social Robots for Hospitalized Children	Población (mixta)	La muestra incluye pacientes con trauma, apendicitis y anomalías congénitas, así como pacientes oncológicos, sin presentar un subanálisis de resultados separado solo para el grupo de cáncer.
2	Moerman & Jansens (2020)	Using social robot PLEO to enhance the well-being of hospitalised children	Población (mixta)	La Tabla 1 del estudio muestra diagnósticos variados: diálisis renal, asma, pielonefritis y apéndice perforado, así como diagnósticos de oncología. Los resultados se analizan en conjunto y no proveen resultados específicos de niños con cáncer.
3	Beyer-Wunsch & Reichstein (2020)	Effects of a Humanoid Robot on the Well-being for Hospitalized Children in the Pediatric Clinic - An Experimental Study	Población (mixta)	El estudio se realizó en las salas de triaje y de pediatría general. De los 7 participantes del estudio, solo uno era paciente oncológico.
4	Powell et al. (2021)	Keeping Connected With School: Implementing Telepresence Robots to Improve the Wellbeing of Adolescent Cancer Patients	Concepto (telepresencia)	Evalúa robots de telepresencia (Double y Kubi) controlados remotamente para asistir a la escuela. No son robots sociales autónomos ni semiautónomos para interactuar con el paciente, sino herramientas de videoconferencia.
5	Henry et al. (2020)	Qualitative, Exploratory, and Multidimensional Study of Telepresence Robots for Overcoming Social Isolation	Concepto (telepresencia)	Utiliza robots de telepresencia para conectar al paciente con su hogar, lo que incumpliría la definición del concepto del presente estudio.
6	Jeong et al. (2015)	A Social Robot to Mitigate Stress, Anxiety, and Pain in Hospital Pediatric Care	Tipo de publicación	Es un resumen extendido ( <i>extended abstract</i> ) de una conferencia, con datos preliminares de solo 4 pacientes, que posteriormente formaron parte del estudio completo de Logan et al. (2019).