

PRISMA 2020 checklist

Cell-resolved virus-host programs across cancers associated with five human oncoviruses: a systematic review

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Section	Item	Reporting requirement	Location in manuscript
Title	1	Identifies the report as a systematic review	Title page
Abstract	2	Summarizes objectives, sources, eligibility, synthesis, results, and interpretation	Abstract
Introduction	3	Explains the rationale in the context of existing evidence	Sections 1.1-1.2
Introduction	4	States the review question and objectives	Section 1.2
Methods	5	Defines inclusion and exclusion criteria and grouping for synthesis	Section 2.1
Methods	6	Names databases and the last search date	Section 2.2; Online Resource 1, Table S2
Methods	7	Presents the available search strategy and limits	Section 2.2; Online Resource 1, Table S2
Methods	8	Describes record screening and eligibility assessment	Section 2.2
Methods	9	Describes data extraction and reviewer arrangement	Section 2.2
Methods	10a-b	Lists outcomes and other extracted variables	Sections 2.2-2.3
Methods	11	Explains the operational confidence assessment	Section 2.3
Methods	12	Effect measures were not applicable because no quantitative pooling was undertaken	Section 2.1
Methods	13a-f	Describes preparation, grouping, synthesis, heterogeneity, and sensitivity considerations	Sections 2.1 and 2.3
Methods	14	No formal reporting-bias assessment; limitation stated	Section 4.5
Methods	15	Uses an operational confidence framework rather than a formal certainty grade	Section 2.3
Results	16a-b	Reports selection counts, exclusions, and flow diagram	Section 3.1; Fig. 1; Online Resource 1, Table S3
Results	17	Presents study characteristics and citations	Table 1; Online Resource 1, Table S1
Results	18	Reports confidence classifications	Section 3.1; Table 1; Online Resource 1, Table S1
Results	19	Summarizes individual-study findings	Sections 3.2-3.5; Online Resource 1, Table S1
Results	20a-d	Presents synthesis by virus and cross-virus modules	Sections 3.2-3.6; Table 2; Figs. 2-3
Results	21	Formal reporting-bias analysis not performed	Section 4.5
Results	22	Confidence and limitations of the evidence are reported	Sections 3.1 and 4.5
Discussion	23a-d	Interprets results, limitations, implications, and research priorities	Sections 4.1-4.5 and 5
Other information	24a-c	Review not registered; no public protocol or amendments	Sections 2.1 and 4.5

Section	Item	Reporting requirement	Location in manuscript
Other information	25	Sources of support are declared	Statements and declarations - Funding
Other information	26	Competing interests are declared	Statements and declarations - Competing interests
Other information	27	Availability of evidence-map and screening data is reported	Data availability; Online Resource 1

Note: This checklist maps the manuscript to PRISMA 2020. Items not applicable to a narrative synthesis are identified explicitly rather than left blank.