# THE LANCET Digital Health

#### Supplementary appendix 1

This appendix formed part of the original submission and has been peer reviewed. We post it as supplied by the authors.

Supplement to: Gallifant J, Kistler EA, Nakayama LF, et al. Disparity dashboards: an evaluation of the literature and framework for health equity improvement. *Lancet Digit Health* 2023; **5:** e831–39.

## Disparity Dashboard Search Strategy

#### Search 1 performed on PubMed 21st July 2022 with no time restriction

Search numbe r	Query	Search Details	Results
3	(dashboard ) AND ((((((inequi ty) OR (disparity)) OR (bias)) OR (minority)) OR (race)) OR (gender))	("dashboard"[All Fields] OR "dashboards"[All Fields]) AND ("inequalities"[All Fields] OR "inequality"[All Fields] OR "inequities"[All Fields] OR "inequity"[All Fields] OR ("disparate"[All Fields] OR "disparately"[All Fields] OR "disparities"[All Fields] OR "disparity"[All Fields]) OR ("bias"[MeSH Terms] OR "bias"[All Fields]) OR ("minority groups"[MeSH Terms] OR ("minority"[All Fields] AND "groups"[All Fields]) OR "minority groups"[All Fields] OR "minorities"[All Fields] OR "minority"[All Fields] OR "minority s"[All Fields] OR "minors"[MeSH Terms] OR "minors"[All Fields] OR "minor"[All Fields]) OR ("racial groups"[MeSH Terms] OR ("racial"[All Fields] AND "groups"[MeSH Terms] OR "minors"[All Fields] OR "minor"[All Fields]) OR ("racial groups"[MeSH Terms] OR ("racial"[All Fields] AND "groups"[All Fields]) OR "racial groups"[All Fields] OR "race"[All Fields]) OR ("gender identity"[MeSH Terms] OR ("gender"[All Fields] AND "identity"[All Fields]) OR "gender identity"[All Fields] OR "gendered"[All Fields] OR "gender s"[All Fields] OR "gendering"[All Fields] OR "genderized"[All Fields]) OR "gender:"[All Fields] OR "sex"[MeSH Terms] OR "sex"[All Fields] OR "genders"[All Fields] OR "sex"[MeSH Terms] OR "sex"[All Fields] OR "gender"[All Fields] OR "sex"[MeSH Terms] OR "sex"[All Fields] OR "genders"[All Fields] OR "sex"[MeSH Terms] OR "sex"[All Fields] OR "genders"[All Fields] OR "sex"[All Fields] OR "gender"[All Fields]]))	186
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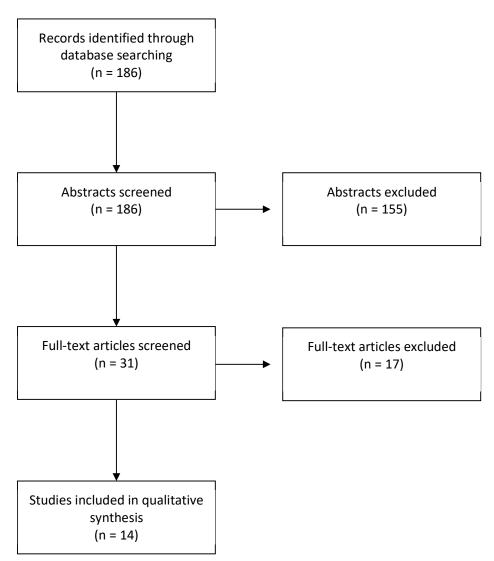
Search 2 performed on PubMed 13th May 2023 with the following time restriction -01/01/2022-

13/05/2023.

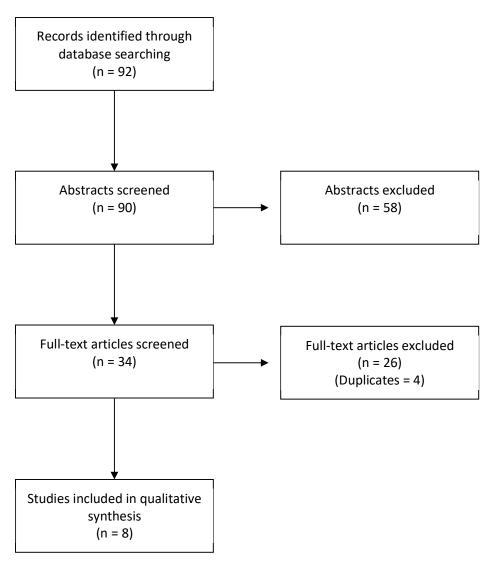
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### Prisma Diagram

Search 1







Supplementary Table 1. Characteristics of active dashboards (N=22)					
Characteristic	Value, n				
RegionGlobalEurope and Central AsiaNorth and South AmericaWestern PacificSoutheast AsiaAfricaEastern Mediterranean	3 1 18 0 0 0 0				
Level International National Regional (provincial, state, county) Municipal (city, district)	4 8 7 3				
<b>Type of organisation</b> International organization Governmental Academia Hospital Industry	3 2 14 1 1				
Languages One language Two languages Three or more languages	21 1 0				
Frequency of update Static Daily Weekly Monthly Yearly	15 3 1 2 1				
Disaggregation capability Race/Ethnicity Sex Preferred language Age Composite	16 8 5 8 3				

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Link to dashboard	Link if published	https://p.dls.undeesu. commission.com/analana. commission.com/analana. entrice.ana.com/analana. entrice.ana.com/analana. entrice.analana. https://p.dls.undeesu. https://p.dls.undeesu. https://p.dls.undeesu. https://p.dls.undeesu. https://p.dls.undeesu. u.com/analana. witheura.edu.html	CID1 Labelsourt's much average of the second second second labelacy second s	ž	aN	and the second se	Mitra if between advi- CODM-market 61110201329 2390.000012.mmbad- order schadbar- disk advider 38.mm Biolistick Schadbar, zonnern Markathar, zonne	a sector and the sect	httns://ahoad.hiv.go v/	https://www.cvscyw. commexerychild.dau. orge/country-profil ac-with-foreagereager of-fatha-forethe-ewe of-fatha-forethe-ewe
Data extraction?	Extract casa = Extract casa = ability to download csv file of data used to produce disprobard. (On request is not sufficient) Yes / No	ę	2	g	N	89	2		2	90 100
Feedback & wider initiative	success was evaluated how and was this used as part of a wider initiative?	Positive + wider inclementations discussed	Positive	Positive	Positive	Positive	Positive		rostro Positive + wider Britistve	Positive
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Interactivity	Yes / No	80 0,	P	80,	ę	boa	80Å		0 	Yes
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ce Disaggregation	Age, sex, ethnicity, a race, comerbidities, socio-economic status	gender, age, race, ethinitity larguage, zip code, and payor	race/ethnicity	reco. Athricity, sexu density, nerv density, manufactor, peride density, manufactor, acceptor, a	Multidimensional poverty index, Weshth index, Maternal education	<ul> <li>Hearthy redes- to the second se</li></ul>	Sex, Race, Age, Income, Insuranco attatus, education, zipcode	Rocot Ennic Cy.	sex at brith, rate or ethnicity, and	wational, residence (urban vs. rural), maternel education, woalth
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ta Languages	1, 2, 3 or more	90 O	O	2 O	One	g	e O	ł	5 5	two
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Paper type	active vs perspective	Active	avtov Jirvj	avita Attrive	1247 Active	Active Active	Active Active		VIIVE	
00		doi: 10.1093/jamia/cosb082	Mittooulook accel 10, 21054A JP	DO: 10.1002/aetz.10682	doi: http://dx.doi.org/10.247 1/817.16.178079	Amount of the second of the se	mines.inited.com/10.1056	and the second se		11105-1110-1110
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Preferred Reporting Items for Systematic reviews and Meta-Analyses extension for Scoping Reviews (PRISMA-ScR) Checklist

SECTION	ITEM	PRISMA-ScR CHECKLIST ITEM	REPORTED ON PAGE #				
TITLE							
Title	1	Identify the report as a scoping review.	1				
ABSTRACT							
Structured summary	2	Provide a structured summary that includes (as applicable): background, objectives, eligibility criteria, sources of evidence, charting methods, results, and conclusions that relate to the review questions and objectives.	3				
INTRODUCTION							
Rationale	3	Describe the rationale for the review in the context of what is already known. Explain why the review questions/objectives lend themselves to a scoping review approach.	6				
Objectives	4	Provide an explicit statement of the questions and objectives being addressed with reference to their key elements (e.g., population or participants, concepts, and context) or other relevant key elements used to conceptualize the review questions and/or objectives.	7				
METHODS							
Protocol and registration	5	Indicate whether a review protocol exists; state if and where it can be accessed (e.g., a Web address); and if available, provide registration information, including the registration number.	N/A				
Eligibility criteria	6	Specify characteristics of the sources of evidence used as eligibility criteria (e.g., years considered, language, and publication status), and provide a rationale.	7 + Appendix (p 1-2)				
Information sources*	7	Describe all information sources in the search (e.g., databases with dates of coverage and contact with authors to identify additional sources), as well as the date the most recent search was executed.	7 + Appendix (p 1-2)				
Search	8	Present the full electronic search strategy for at least 1 database, including any limits used, such that it could be repeated.	7 + Appendix (p 1-2)				
Selection of sources of evidence†	9	State the process for selecting sources of evidence (i.e., screening and eligibility) included in the scoping review.	8				
Data charting process‡	10	Describe the methods of charting data from the included sources of evidence (e.g., calibrated forms or forms that have been tested by the team before their use, and whether data charting was done independently or in duplicate) and any processes for obtaining and confirming data from investigators.	8				
Data items	11	List and define all variables for which data were sought and any assumptions and simplifications made.	8 + Appendix (p 6-7)				
Critical appraisal of individual sources of evidence§	12	If done, provide a rationale for conducting a critical appraisal of included sources of evidence; describe the methods used and how this information was used in any data synthesis (if appropriate).	8 + Appendix (p 6-7)				



SECTION	ITEM	PRISMA-ScR CHECKLIST ITEM	REPORTED ON PAGE #
Synthesis of 13 results		Describe the methods of handling and summarizing the data that were charted.	8 + Appendix (p 6-7)
RESULTS			
Selection of sources of 14 evidence		Give numbers of sources of evidence screened, assessed for eligibility, and included in the review, with reasons for exclusions at each stage, ideally using a flow diagram.	8-9 + Appendix (p 3-4)
Characteristics of sources of evidence	15	For each source of evidence, present characteristics for which data were charted and provide the citations.	8-10
Critical appraisal within sources of evidence	16	If done, present data on critical appraisal of included sources of evidence (see item 12).	Appendix (p 5-7)
Results of individual sources of evidence	17	For each included source of evidence, present the relevant data that were charted that relate to the review questions and objectives.	Appendix (p 6-7)
Synthesis of results 18		Summarize and/or present the charting results as they relate to the review questions and objectives.	8-10 + Appendix (p 5-7)
DISCUSSION			
Summary of evidence	19	Summarize the main results (including an overview of concepts, themes, and types of evidence available), link to the review questions and objectives, and consider the relevance to key groups.	10
Limitations	20	Discuss the limitations of the scoping review process.	14
Conclusions	21	Provide a general interpretation of the results with respect to the review questions and objectives, as well as potential implications and/or next steps.	14
FUNDING			
Funding	22	Describe sources of funding for the included sources of evidence, as well as sources of funding for the scoping review. Describe the role of the funders of the scoping review.	16

JBI = Joanna Briggs Institute; PRISMA-ScR = Preferred Reporting Items for Systematic reviews and Meta-Analyses extension for Scoping Reviews.

\* Where *sources of evidence* (see second footnote) are compiled from, such as bibliographic databases, social media platforms, and Web sites.

† A more inclusive/heterogeneous term used to account for the different types of evidence or data sources (e.g., quantitative and/or qualitative research, expert opinion, and policy documents) that may be eligible in a scoping review as opposed to only studies. This is not to be confused with *information sources* (see first footnote). ‡ The frameworks by Arksey and O'Malley (6) and Levac and colleagues (7) and the JBI guidance (4, 5) refer to the process of data extraction in a scoping review as data charting.

§ The process of systematically examining research evidence to assess its validity, results, and relevance before using it to inform a decision. This term is used for items 12 and 19 instead of "risk of bias" (which is more applicable to systematic reviews of interventions) to include and acknowledge the various sources of evidence that may be used in a scoping review (e.g., quantitative and/or qualitative research, expert opinion, and policy document).

*From:* Tricco AC, Lillie E, Zarin W, O'Brien KK, Colquhoun H, Levac D, et al. PRISMA Extension for Scoping Reviews (PRISMAScR): Checklist and Explanation. Ann Intern Med. 2018;169:467–473. <u>doi: 10.7326/M18-0850</u>.



St. Michael's Inspired Care. Inspiring Science.