

Supplementary materials

Supplementary material 1. PRISMA checklist.

Section and Topic	Item #	Checklist item	Location where item is reported
TITLE			
Title	1	Identify the report as a systematic review.	1
ABSTRACT			
Abstract	2	See the PRISMA 2020 for Abstracts checklist.	3
INTRODUCTION			
Rationale	3	Describe the rationale for the review in the context of existing knowledge.	4-5
Objectives	4	Provide an explicit statement of the objective(s) or question(s) the review addresses.	5
METHODS			
Eligibility criteria	5	Specify the inclusion and exclusion criteria for the review and how studies were grouped for the syntheses.	5
Information sources	6	Specify all databases, registers, websites, organisations, reference lists and other sources searched or consulted to identify studies. Specify the date when each source was last searched or consulted.	6
Search strategy	7	Present the full search strategies for all databases, registers and websites, including any filters and limits used.	6, Supplementary material 2
Selection process	8	Specify the methods used to decide whether a study met the inclusion criteria of the review, including how many reviewers screened each record and each report retrieved, whether they worked independently, and if applicable, details of automation tools used in the process.	5-6

Data collection process	9	Specify the methods used to collect data from reports, including how many reviewers collected data from each report, whether they worked independently, any processes for obtaining or confirming data from study investigators, and if applicable, details of automation tools used in the process.	6
Data items	10a	List and define all outcomes for which data were sought. Specify whether all results that were compatible with each outcome domain in each study were sought (e.g. for all measures, time points, analyses), and if not, the methods used to decide which results to collect.	6
	10b	List and define all other variables for which data were sought (e.g. participant and intervention characteristics, funding sources). Describe any assumptions made about any missing or unclear information.	6
Study risk of bias assessment	11	Specify the methods used to assess risk of bias in the included studies, including details of the tool(s) used, how many reviewers assessed each study and whether they worked independently, and if applicable, details of automation tools used in the process.	7
Effect measures	12	Specify for each outcome the effect measure(s) (e.g. risk ratio, mean difference) used in the synthesis or presentation of results.	7
Synthesis methods	13a	Describe the processes used to decide which studies were eligible for each synthesis (e.g. tabulating the study intervention characteristics and comparing against the planned groups for each synthesis (item #5)).	7
	13b	Describe any methods required to prepare the data for presentation or synthesis, such as handling of missing summary statistics, or data conversions.	7
	13c	Describe any methods used to tabulate or visually display results of individual studies and syntheses.	7

	13d	Describe any methods used to synthesize results and provide a rationale for the choice(s). If meta-analysis was performed, describe the model(s), method(s) to identify the presence and extent of statistical heterogeneity, and software package(s) used.	7
	13e	Describe any methods used to explore possible causes of heterogeneity among study results (e.g. subgroup analysis, meta-regression).	7
	13f	Describe any sensitivity analyses conducted to assess robustness of the synthesized results.	7-8
Reporting bias assessment	14	Describe any methods used to assess risk of bias due to missing results in a synthesis (arising from reporting biases).	7-8
Certainty assessment	15	Describe any methods used to assess certainty (or confidence) in the body of evidence for an outcome.	
RESULTS			
Study selection	16a	Describe the results of the search and selection process, from the number of records identified in the search to the number of studies included in the review, ideally using a flow diagram.	9, Figure 1
	16b	Cite studies that might appear to meet the inclusion criteria, but which were excluded, and explain why they were excluded.	9, Supplementary Material 3
Study characteristics	17	Cite each included study and present its characteristics.	10-12
Risk of bias in studies	18	Present assessments of risk of bias for each included study.	12-13 , Figure 2
Results of individual studies	19	For all outcomes, present, for each study: (a) summary statistics for each group (where appropriate) and (b) an effect estimate and its precision (e.g. confidence/credible interval), ideally using structured tables or plots.	14 - 17, Figure 3 -6, Supplementary Material 4

Results of syntheses	20a	For each synthesis, briefly summarise the characteristics and risk of bias among contributing studies.	12-13 , Figure 2
	20b	Present results of all statistical syntheses conducted. If meta-analysis was done, present for each the summary estimate and its precision (e.g. confidence/credible interval) and measures of statistical heterogeneity. If comparing groups, describe the direction of the effect.	17-19, Table 2 , Supplementary Material 4
	20c	Present results of all investigations of possible causes of heterogeneity among study results.	14-17
	20d	Present results of all sensitivity analyses conducted to assess the robustness of the synthesized results.	14-17
Reporting biases	21	Present assessments of risk of bias due to missing results (arising from reporting biases) for each synthesis assessed.	20
Certainty of evidence	22	Present assessments of certainty (or confidence) in the body of evidence for each outcome assessed.	
DISCUSSION			
Discussion	23a	Provide a general interpretation of the results in the context of other evidence.	21 - 22
	23b	Discuss any limitations of the evidence included in the review.	23
	23c	Discuss any limitations of the review processes used.	23
	23d	Discuss implications of the results for practice, policy, and future research.	22
OTHER INFORMATION			
Registration and protocol	24a	Provide registration information for the review, including register name and registration number, or state that the review was not registered.	5

	24b	Indicate where the review protocol can be accessed, or state that a protocol was not prepared.	5
	24c	Describe and explain any amendments to information provided at registration or in the protocol.	5
Support	25	Describe sources of financial or non-financial support for the review, and the role of the funders or sponsors in the review.	2
Competing interests	26	Declare any competing interests of review authors.	2
Availability of data, code and other materials	27	Report which of the following are publicly available and where they can be found: template data collection forms; data extracted from included studies; data used for all analyses; analytic code; any other materials used in the review.	2

Supplementary material 2. Search strategy

Source: PubMed

Search date: 2 abr. 2024

N°	Search strategy	Records
#1	"intimate partner violence"[tiab] OR "intragender violence"[tiab] OR "domestic violence"[tiab] OR "dating violence"[tiab] OR "partner violence"[tiab] OR "domestic abuse"[tiab] OR "partner abuse"[tiab] OR "Spouse Abuse"[tiab] OR "Intimate Partner Abuse"[tiab] OR "Family Violence"[tiab] OR "couple violence"[tiab] OR "intragender"[tiab] OR "Micro-violence"[tiab] OR "aggression in couple"[tiab] OR "Intimate partner aggression"[tiab] OR "partner aggression"[tiab] OR "Intimate Partner Violence"[Mesh] OR "Domestic Violence"[Mesh] OR "Spouse Abuse"[Mesh]	63,757
#2	Homosexual*[tiab] OR MSM[tiab] OR gbMSM[tiab] OR transgender*[tiab] OR Transgender*[tiab] OR transsexual*[tiab] OR trans-sexual*[tiab] OR trans-men[tiab] OR trans-man[tiab] OR trans-woman[tiab] OR trans-women[tiab] OR transfemale[tiab] OR "trans female"[tiab] OR "trans people"[tiab] OR "trans person"[tiab] OR "gender identity"[tiab] OR "cross gender"[tiab] OR "sex reassignment"[tiab] OR "gender reassignment"[tiab] OR "gender transition"[tiab] OR LGBT[tiab] OR "Gay"[tiab] OR "Men Who Have Sex With Men"[tiab] OR "Women Who Have Sex With Women"[tiab] OR lesbian*[tiab] OR bisexual*[tiab] OR Transexual[tiab] OR "Sexual Minorit*[tiab] OR "Gender Minorit*[tiab] OR "same-sex"[tiab] OR "Same Sex"[tiab] OR "Homosexuality"[Mesh] OR "Bisexuality"[Mesh] OR "Transsexualism"[Mesh] OR "Gender Identity"[Mesh] OR "LGBT"[Mesh] OR "Sexual and Gender Minorities"[Mesh]	98,954
#3	Prevalence*[tiab] OR Epidemiolog*[tiab] OR incidence*[tiab] OR rate[tiab] OR rates[tiab] OR population[tiab] OR "Prevalence"[Mesh] OR "Epidemiology"[Mesh] OR "Epidemiologic Studies"[Mesh] OR "Incidence"[Mesh]	8,150,336
#4	#1 AND #2 AND #3	1,030

Source: Web of Science

Search date: 04 de abril 2024

N°	Search strategy	Records
#1	TS=(“intimate partner violence” OR “intragender violence” OR “domestic violence” OR “dating violence” OR “partner violence” OR “domestic abuse” OR “partner abuse” OR “Spouse Abuse” OR “Intimate Partner Abuse” OR “Family Violence” OR “couple violence” OR “intragender” OR “Micro-violence”OR “aggression in couple ” OR “Intimate partner aggression” OR “ partner aggression”)	41,429
#2	TS=(“LGBT” OR “Gay” OR “Men Who Have Sex With Men” OR “Women Who Have Sex With Women”OR “ lesbianas “ OR “bisexuales” OR “Transexual” OR “LGBT Person” OR “Sexual Minorities” OR “Sexual and Gender Minorities” OR “same-sex” OR “ Lesbian” OR “Same-Sex Relationships” OR “Female same-sex couple”OR “Male same-sex couple”OR “among same-sex couples”)	69,903
#3	TS= (Prevalence* OR Epidemiolog* OR incidence* OR rate OR rates OR population)	9,509,943
#4	#1 AND #2 AND #3	752

Source: SCOPUS

Search date:

N°	Search strategy	Records
#1	TITLE-ABS-KEY(“intimate partner violence” OR “intragender violence” OR “domestic violence” OR “dating violence” OR “partner violence” OR “domestic abuse” OR “partner abuse” OR “Spouse Abuse” OR “Intimate Partner Abuse” OR “Family Violence” OR “couple violence” OR “intragender” OR “Micro-violence”OR “aggression in couple ” OR “Intimate partner aggression” OR “ partner aggression”)	54,909
#2	TITLE-ABS-KEY(“LGBT” OR “Gay” OR “Men Who Have Sex With Men” OR “Women Who Have Sex With Women”OR “ lesbianas “ OR “bisexuales” OR “Transexual” OR “LGBT Person” OR “Sexual Minorities” OR “Sexual and Gender Minorities” OR “same-sex” OR “	91,571

	Lesbian" OR "Same-Sex Relationships" OR "Female same-sex couple"OR "Male same-sex couple"OR "among same-sex couples")	
#3	TITLE-ABS-KEY(Prevalence* OR Epidemiolog* OR incidence* OR rate OR rates OR population)	14,311,906
#4	#1 AND #2 AND #3	804

Source: PsycINFO

Search date: 04 de abril del 2025

N°	Search strategy	Records
#1	("intimate partner violence" OR "intragender violence" OR "domestic violence" OR "dating violence" OR "partner violence" OR "domestic abuse" OR "partner abuse" OR "Spouse Abuse" OR "Intimate Partner Abuse" OR "Family Violence" OR "couple violence" OR "intragender" OR "Micro-violence"OR "aggression in couple " OR "Intimate partner aggression" OR " partner aggression").ti,ab OR Intimate Partner Violence/ OR Intimate Partner Abuse/ or Partner abuse/	18,432
#2	("LGBT" OR "Gay" OR "Men Who Have Sex With Men" OR "Women Who Have Sex With Women"OR " Lesbianas " OR "bisexuales" OR "Transexual" OR "LGBT Person" OR "Sexual Minorities" OR "Sexual and Gender Minorities" OR "Same-sex" OR " Lesbian" OR "Same-Sex Relationships" OR "Female same-sex couple"OR "Male same-sex couple"OR "among same-sex couples").ti,ab OR Gay/ OR Lesbianas/ OR Bisexuales/ OR Transexual/ OR Same-Sex Relationships/	59,401
#3	("Prevalence*" OR "Epidemiolog*" OR "incidence" OR "rate" OR "rates" OR "population").ti,ab OR Prevalence/ OR Epidemiolog/ OR Incidence/	206,138
#4	#1 AND #2 AND #3	221

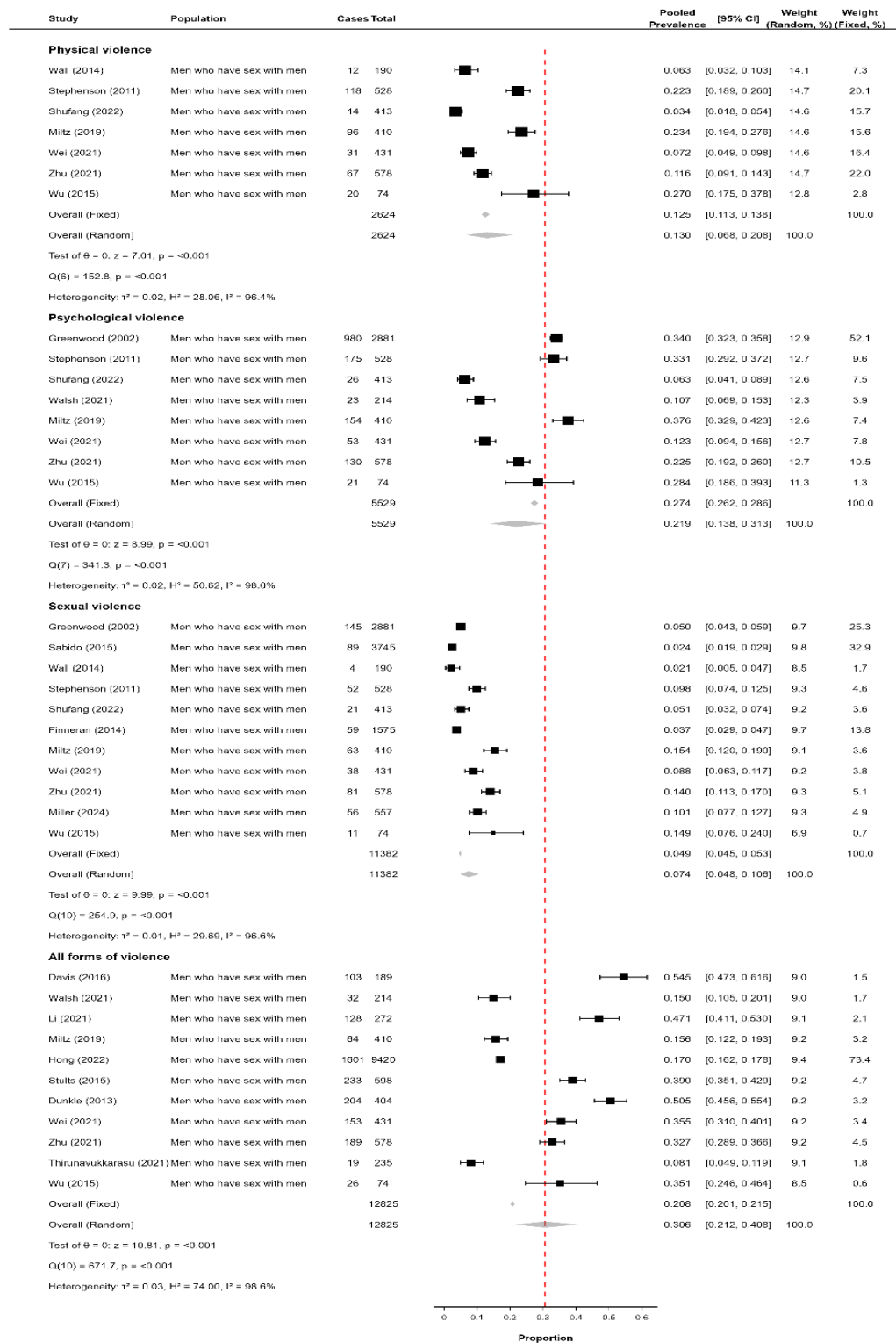
Supplementary material 3. Full-text revised documents that were excluded (n=31)

Exclusion reason	Title	Authors	Year
No access	Investigating partner abuse among HIV-positive men who have sex with men	['Pantalone, D.W.', 'Schneider, K.L.', 'Valentine, S.E.', 'Simoni, J.M.']	2012
Incorrect population	Help-seeking barriers among sexual and gender minority individuals who experience intimate partner violence victimization	['Scheer, J.R.', 'Martin-Storey, A.', 'Baams, L.']	2020
Not a primary study	Prevalence of intimate partner violence in LGBTQ individuals: An intersectional approach	['Etaugh, C.']	2020
Not a primary study	Same-sex intimate partner violence: Dynamics, social context, and counseling implications	['Murray, C.E.', 'Mobley, A.K.', 'Buford, A.P.', 'Seaman-Dejohn, M.M.']	2008
Incorrect population	Increased Prevalence, Predictors, and In-Group Differences of Forced Sex and Physical Dating Violence among Trans/Gender Diverse Youth	['Kattari, SK', 'Atteberry-Ash, B', 'Collins, C', 'Kattari, L', 'Harner, V']	2021
Not a primary study	Alcoholism and partner aggression among gay and lesbian couples	['Klostermann, K.', 'Kelley, M.L.', 'Milletich, R.J.', 'Mignone, T.']	2011
Not a scientific article	Intimate partner violence among sexual minority adults in consensual non-monogamous relationships.	['Do, Quyen Ai']	2023
Not a primary study	Abuse in gay and lesbian couples: Factors that influence victims' response decisions.	['Bologna, Michael J.']	2004
No access	Disproportionately high: an exploration of intimate partner violence prevalence rates for bisexual people	['Turell, SC', 'Brown, M', 'Herrmann, M']	2018
Incorrect outcome	Internalized Heterosexism and Exposed Psychological Intimate Partner Violence: Experiences of Lesbian and Bisexual Women in Turkey and Denmark	['Ummak, E.', 'Toplu-Demirtaş, E.', 'Aracı-Iyaydin, A.']	2023
Incorrect population	Intimate Partner Violence Victimization Among Non-Heterosexuals: Prevalence and Associations With Mental and Sexual Well-Being	['Hellemans, S', 'Loeys, T', 'Buysse, A', 'Dewaele, A', 'De Smet, O']	2015
Not a primary study	Intimate Partner Violence in Transgender Populations: Systematic Review and Meta-analysis of Prevalence and Correlates.	['Peitzmeier, Sarah M.', 'Malik, Mannat', 'Kattari, Shanna K.', 'Marrow, Elliot', 'Stephenson, Rob', 'Agénor, Madina', 'Reisner, Sari L.']	2020
Incorrect Outcome	Same-Sex Intimate Partner Violence in Canada: Prevalence, Characteristics, and Types of Incidents Reported to Police Services	['Whitehead, J.', 'Dawson, M.', 'Hotton, T.']	2021

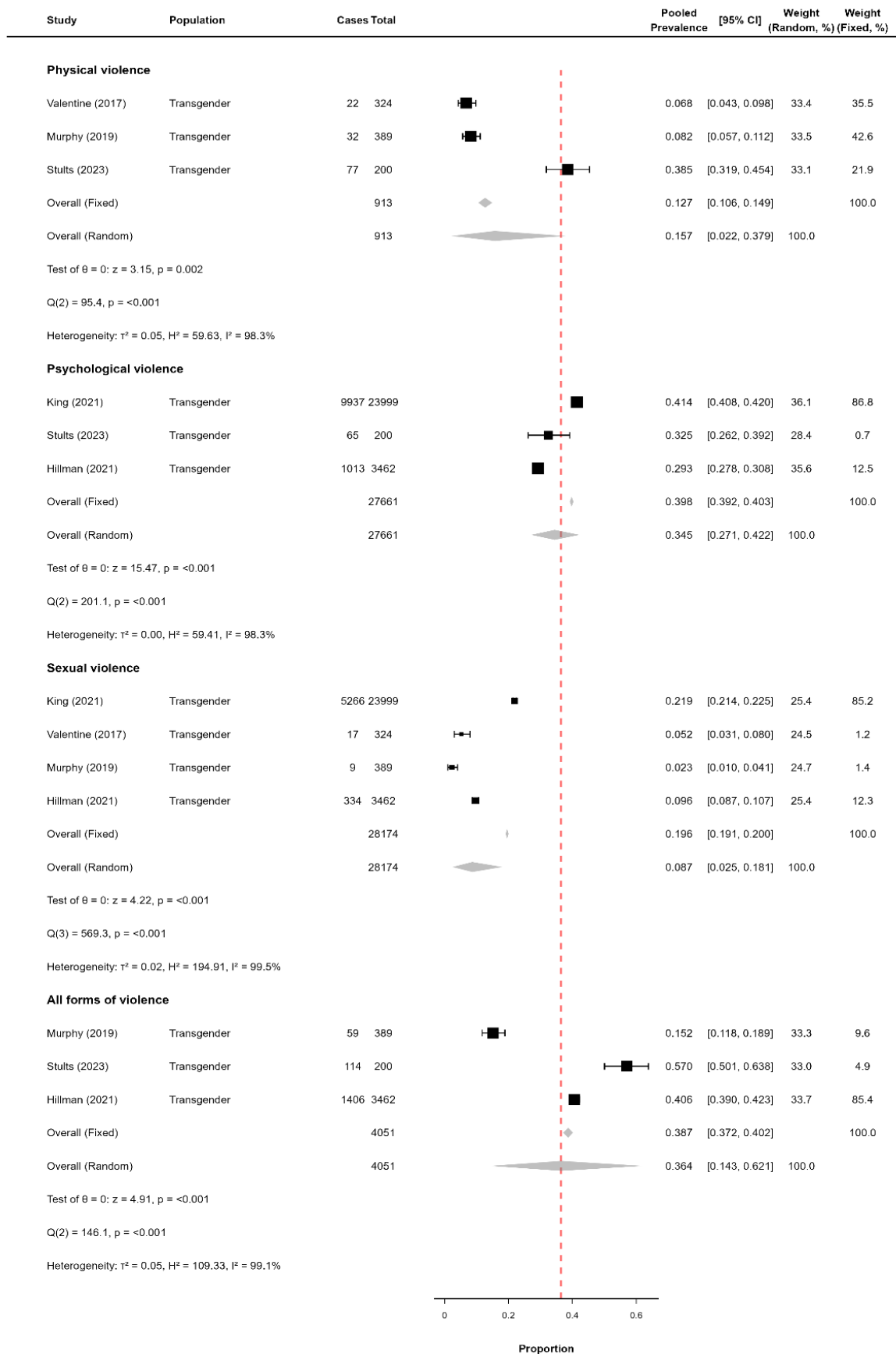
Incorrect population	Sexual Orientation Disparities in History of Intimate Partner Violence: Results From the California Health Interview Survey	['Goldberg, N.G.', 'Meyer, I.H.']	2013
No access	Sexual Minority Stressors and Intimate Partner Violence Among Same-Sex Couples: Commitment as a Resource	['Li, X.', 'Curran, M.A.', 'Butler, E.', 'Mills-Koonce, W.R.', 'Cao, H.']	2022
Incorrect population	Sexual and reproductive health indicators and intimate partner violence victimization among female family planning clinic patients who have sex with women and men	['McCauley, H.L.', 'Silverman, J.G.', 'Decker, M.R.', 'Agénor, M.', 'Borrero, S.', 'Tancredi, D.J.', 'Zelazny, S.', 'Miller, E.']	2015
Incorrect Outcome	Substance use, mental health, HIV testing, and sexual risk behavior among men who have sex with men in the state of Maharashtra, India	['Wilkerson, J.M.', 'Di Paola, A.', 'Rawat, S.', 'Patankar, P.', 'Simon Rosser, B.R.', 'Ekstrand, M.L.']	2018
Incorrect Outcome	Examining dating violence and its mental health consequences among sexual minority youth	['Gillum, T.L.', 'DiFulvio, G.T.']	2014
Incorrect Outcome	Dating Abuse and Harassment Among Sexual and Gender Minority U.S. College Students	['Fedina, L.', 'Bender, A.E.', 'Tibbits, J.', 'Herrenkohl, T.I.', 'Tolman, R.']	2023
Incorrect Outcome	Domestic violence in Puerto Rican gay male couples: Perceived prevalence, intergenerational violence, addictive behaviors, and conflict resolution skills	['Toro-Alfonso, J.', 'Rodríguez-Madera, S.']	2004
Incorrect Outcome	Experiencing Intimate Partner Violence (IPV) Is Associated with Psychosocial Health Problems Among Gay, Bisexual, and Other Men Who Have Sex with Men (GBMSM) in Nigeria, Africa	['Ogunbajo, A.', 'Oginni, O.A.', 'Iwuagwu, S.', 'Williams, R.', 'Biello, K.', 'Mimiaga, M.J.']	2022
Incorrect Outcome	Experiences of Intimate Partner Violence and Subsequent Police Reporting Among Lesbian, Gay, Bisexual, Transgender, and Queer Adults in Colorado: Comparing Rates of Cisgender and Transgender Victimization	['Langenderfer-Magruder, L.', 'Whitfield, D.L.', 'Walls, N.E.', 'Kattari, S.K.', 'Ramos, D.']	2016
Incorrect Outcome	Intimate Partner Violence and Controlling Behaviors Experienced by Emergency Department Patients: Differences by Sexual Orientation and Gender Identification	['Harland, K.K.', 'Peek-Asa, C.', 'Saftlas, A.F.']	2021
Incorrect Outcome	Prevalence, clinical associations, and impact of intimate partner violence among HIV-infected gay and bisexual men: A population-based study	['Siemieniuk, R.A.C.', 'Miller, P.', 'Woodman, K.', 'Ko, K.', 'Krentz, H.B.', 'Gill, M.J.']	2013
Incorrect population	Prevalence, Characteristics, and Factors Associated With Sexual Violence in Adulthood Among Brazilian MSM	['Ferreira, D.G.', 'Veras, M.A.', 'Saggese, G.S.R.', 'Guimarães, M.D.C.', 'Magno, L.', 'Dourado, I.', 'Maia Macena, R.H.', 'Leal, A.F.', 'Kendall, C.', 'Mérecham-Hamann, E.', 'Bermúdez, X.P.D.', 'Knauth, D.', 'Sansigolo Kerr, L.R.']	2022

Not a primary study	Prevalence of and Factors Associated With Intimate Partner Violence Victimhood Among Men Who Have Sex With Men in Guangzhou, China	['Lin, K.', 'Tan, Z.', 'Li, J.', 'Cheng, W.', 'Yang, Y.', 'Jiang, H.']	2023
Incorrect Outcome	Untangling the Relationship Between Internalized Heterosexism and Psychological Intimate Partner Violence Perpetration: A Comparative Study of Lesbians and Bisexual Women in Turkey and Denmark*	['Ummak, E.', 'Toplu-Demirtaş, E.', 'Jessen, R.S.']	2022
Incorrect population	Physical and Sexual Violence and Sexual Behaviors Among Men Who Have Sex with Men in 22 US Cities-National HIV Behavioral Surveillance.	['Freeman. JQ'. 'Cha. SS'. 'Wejnert. C'. 'Baugher. A']	2017
Incorrect population	Increases in Intimate Partner Violence During COVID-19: Prevalence and Correlates.	['Peitzmeier. Sarah M.'. 'Fedina. Lisa'. 'Ashwell. Louise'. 'Herrenkohl. Todd I.'. 'Tolman. Rich']	2022
Incorrect population	Prevalence of Substance Use and Intimate Partner Violence in a Sample of A/PI MSM	[Tran, A.; Lin, L.; Nehl, E.; Talley, C.; Dunkle, K.; Wong, F.]	2014
Incorrect Outcome	Reporting of Intimate Partner Violence among Men Who Have Sex with Men in an Online Survey	['Stephenson, R; Khosropour, C; Sullivan, P.]	2010;

Supplementary material 4. Forest plot of intimate partner violence prevalence by violence type in men who have sex with men (MSM).



Supplementary material 5. Forest plot of intimate partner violence prevalence by violence type in transgender individuals.

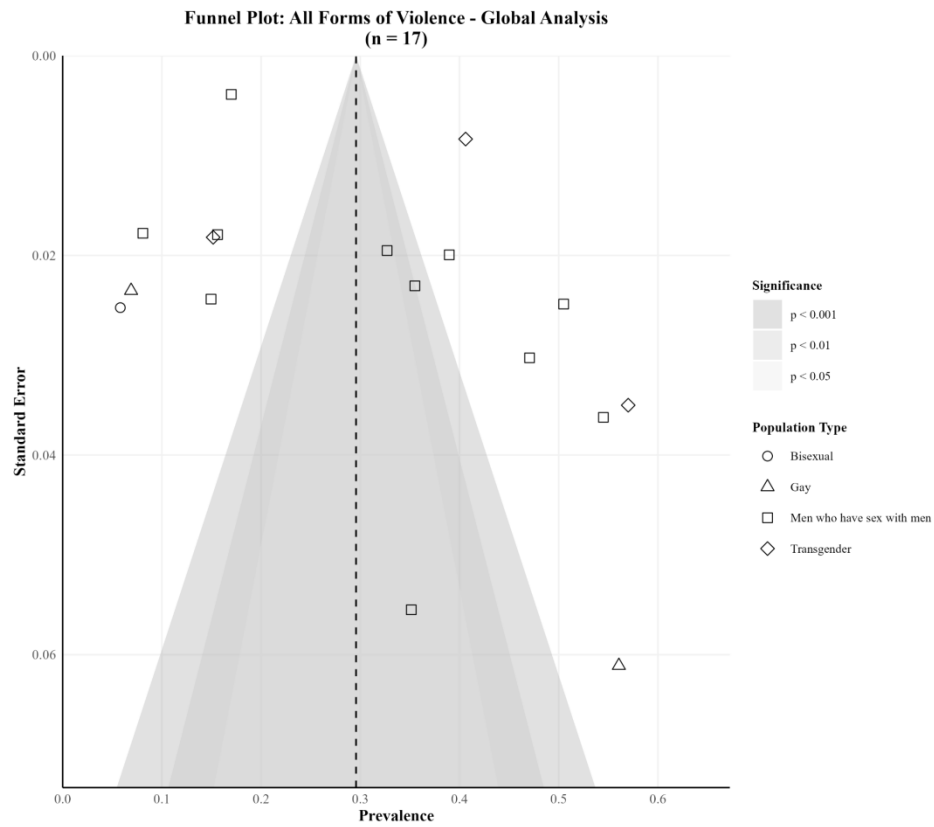


Supplementary material 6. Meta-regression analysis of factors associated with between-study heterogeneity in intimate partner violence prevalence.

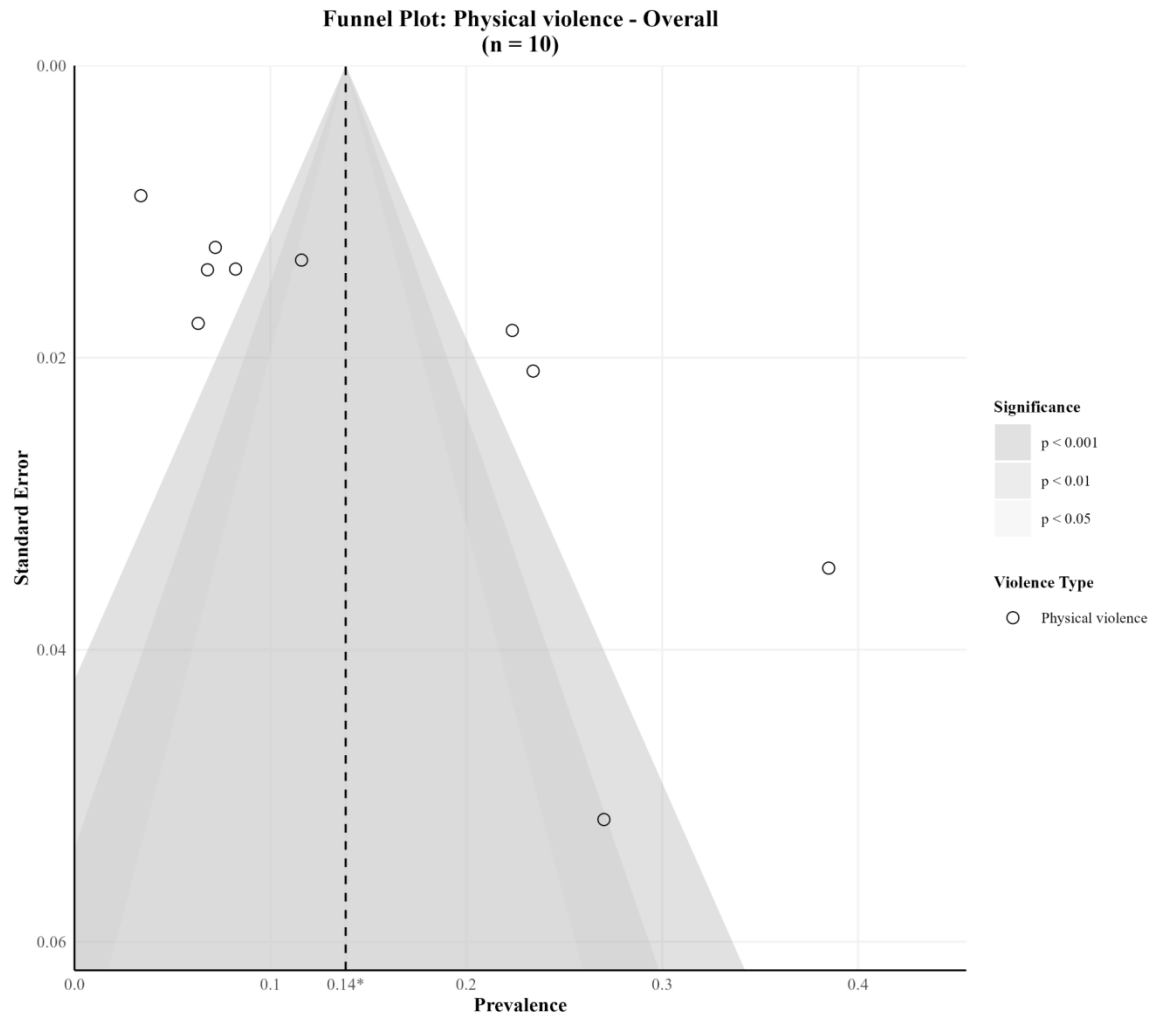
Violence Type	Variable	N Studies	β (SE)	95% CI	p-value	R ² (%)
All forms of violence	Mean age (years)	14	-0.001 (0.008)	[-0.016, 0.014]	0.934	0.0
	Publication year (centered)	18	-0.006 (0.012)	[-0.029, 0.018]	0.631	0.0
	Sample size (log- transformed)	18	0.002 (0.045)	[-0.087, 0.090]	0.967	0.0
Physical violence	Mean age (years)	9	-0.005 (0.015)	[-0.034, 0.023]	0.713	0.0
	Publication year (centered)	11	0.002 (0.018)	[-0.033, 0.038]	0.899	0.0
	Sample size (log- transformed)	11	-0.047 (0.112)	[-0.266, 0.172]	0.675	0.0
Psychological violence	Mean age (years)	9	-0.002 (0.007)	[-0.016, 0.012]	0.804	0.0
	Publication year (centered)	13	-0.009 (0.009)	[-0.026, 0.008]	0.281	1.1
	Sample size (log- transformed)	13	0.001 (0.033)	[-0.063, 0.066]	0.967	0.0
Sexual violence	Mean age (years)	11	0.001 (0.006)	[-0.011, 0.013]	0.871	0.0
	Publication year (centered)	16	0.009 (0.007)	[-0.005, 0.024]	0.207	4.0
	Sample size (log- transformed)	16	0.004 (0.030)	[-0.056, 0.064]	0.899	0.0

Note: Meta-regression performed using random-effects models with Freeman-Tukey transformed proportions. β represents the regression coefficient for each moderator variable. The publication year was centered at the means for each analysis to improve interpretability. The sample size was log-transformed to normalize the distribution.

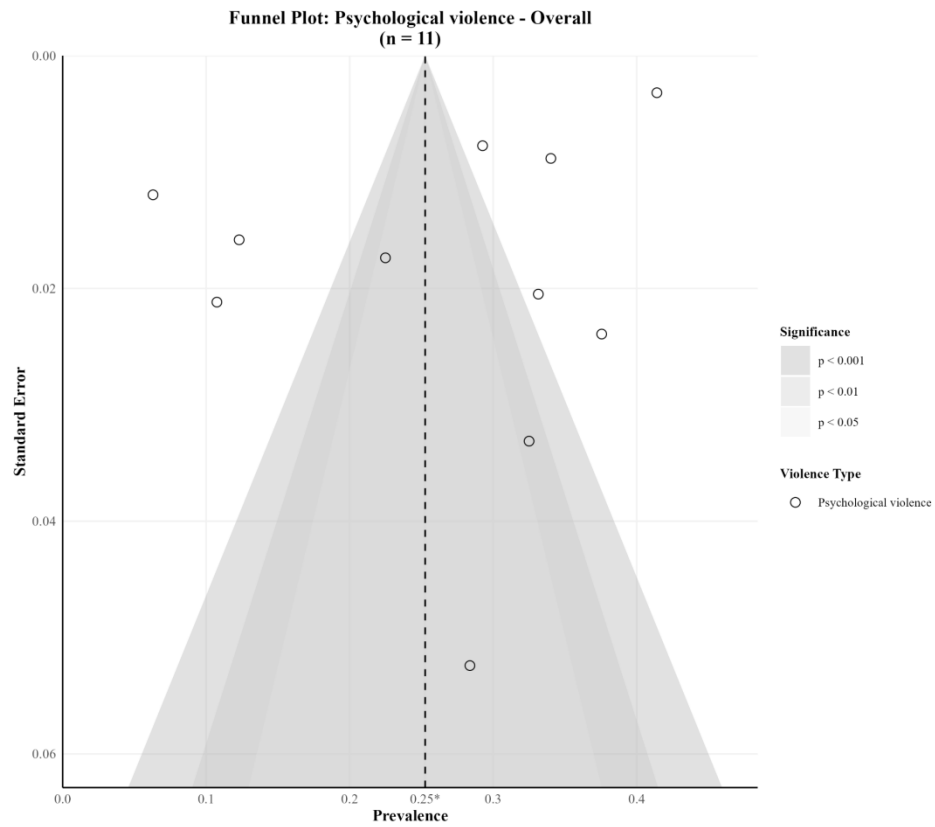
Supplementary material 7. Funnel plot for publication bias assessment in all forms of violence prevalence across LGBT populations.



Supplementary material 8. Funnel plot for publication bias assessment in physical violence prevalence across LGBT populations.



Supplementary material 9. Funnel plot for publication bias assessment in psychological violence prevalence across LGBT populations.



Supplementary material 10. Funnel plot for publication bias assessment in sexual violence prevalence across LGBT populations.

