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Prevalence and risk factors of cosmetic-induced adverse events: A systematic review and meta-analysis

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Supplementary Material

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Supplementary Table 1. Search strategy used for each database

Database	Search query	N
PubMed	((((("adverse event"[Title/Abstract]) OR ("adverse reaction"[Title/Abstract])) OR ("adverse effect"[Title/Abstract])) OR ("side effect"[Title/Abstract])) OR ("undesirable effect"[Title/Abstract])) AND (((("Cosmetics"[MeSH]) OR ("Cosmetics"[Title/Abstract])) OR ("cosmetic product"[Title/Abstract])) OR ("Cosmeceuticals"[MeSH])) OR (cosmetovigilance[Title/Abstract])) AND (((prevalence) OR (epidemiology)) OR (incidence))	76
Embase	('adverse event':ti,ab,kw OR 'adverse reaction':ti,ab,kw OR 'adverse effect':ti,ab,kw OR 'side effect':ti,ab,kw OR 'undesirable effect':ti,ab,kw) AND (cosmetic:ti,ab,kw OR 'cosmetic product':ti,ab,kw OR cosmeceutical:ti,ab,kw	125

de Groot et al., 1987	Yes	Yes	Yes	Yes	Yes	U	Yes	Yes	Yes	8
de Groot et al., 1988	Yes	Yes	No	Yes	Yes	Yes	Yes	No	Yes	7
Shrestha et al., 2016	Yes	Yes	No	Yes	Yes	U	Yes	Yes	Yes	7
Al-Ghamdi et al., 2020	Yes	Yes	Yes	Yes	Yes	U	Yes	U	Yes	7
Girish et al., 2022	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	8
Kureh et al., 2020	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	8
Kumari et al., 2023	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	9
Nayak et al., 2023a	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	9
Nayak et al., 2023b	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	9
Huf et al., 2013	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	8
Shiraz et al., 2019	Yes	Yes	No	Yes	Yes	No	Yes	No	Yes	6
Binega et al., 2014	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	8

*U unclear

JBI critical appraisal questions

Q1 Was the sample frame appropriate to address the target population?

Q2 Were study participants sampled in an appropriate way?

Q3 Was the sample size adequate?

Q4 Were the study subjects and the setting described in detail?

Q5 Was the data analysis conducted with sufficient coverage of the identified sample?

Q6 Were valid methods used for the identification of the condition?

Q7 Was the condition measured in a standard, reliable way for all participants?

Q8 Was there appropriate statistical analysis?

Q9 Was the response rate adequate, and if not, was the low response rate managed appropriately?