Appendix 1 Search Strategy

PubMed

Date searched	March 10, 2022	
Concept	Search String	Results
Breast	(breast reconstruction)	24,024
Psych	(depress* OR anxiety OR esteem OR psych* OR mental health OR quality of life OR stress OR body image OR sexuality OR satisfaction)	5,251,328
Combo	Breast AND Psych	338
Limits	Clinical studies, full-text articles, English, humans	
Total		338

Google Scholar

Date searched	March 10, 2022	
Concept	Search String	Results
Breast	allintitle: "breast reconstruction"	15,300
Psych	(psychological OR psychology OR psychiatric OR psychiatry OR anxiety OR depression OR esteem OR "mental health" OR stress OR "quality of life" OR well-being)	7,060,000
Combo	Breast AND Psych	309
Limits	None	
Total		309

Embase

Date searched	March 10, 2022	
Concept	Search String	Results
Breast	(breast reconstruction)	3,591
Psych	(depression or anxiety or psych* or esteem or mental health or stress or quality of life)).mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword heading word, floating subheading word, candidate term word]	1,193
Combo	Breast AND Psych	489
Limits	None	
Total	Humans, articles, full-text, English	489

APA PsycInfo

Date searched	March 10, 2022	
Concept	Search String	Results
Breast	(breast reconstruction) mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword heading word, floating subheading word, candidate term word]	17
Psych	(depression or anxiety or psych* or esteem or mental health or stress or quality of life)).mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword heading word, floating subheading word, candidate term word]	987
Combo	Breast AND Psych	16
Limits	Humans, full-text	
Total		16

Web of Science Core Collection

Date searched	March 10, 2022	
Concept	Search String	Results
Breast	(TS=("breast reconstruction") AND (DT==("ARTICLE") AND LA==("ENGLISH"))	8,368
Psych	TS=((depress* OR anxiety OR esteem OR "mental health" OR psych* OR stress OR "body image"))) AND (DT==("ARTICLE") AND LA==("ENGLISH"))	3,046,800
Combo	Breast AND Psych	868
Limits	None	
Total		868