

## Appendix 1 Search strategy of databases

## PubMed

No.	Search	Results
1	"Prevalence"[Title/Abstract] AND "Hand"[Title/Abstract] AND ("Paresthesia"[Title/Abstract] OR "Dysesthesia"[Title/Abstract] OR "Tingling"[Title/Abstract] OR "Prickling"[Title/Abstract] OR "Abnormal sensation"[Title/Abstract]) AND ("Numbness"[Title/Abstract] OR "Hypoesthesia"[Title/Abstract] OR "Impaired sensation"[Title/Abstract] OR "Reduced sensation"[Title/Abstract])	97
2	"Shoulder"[Title/Abstract] AND ("Pathology"[Title/Abstract] OR "Disease"[Title/Abstract] OR "Injury"[Title/Abstract] OR "Disorder"[Title/Abstract] OR "Problem"[Title/Abstract])	37993
3	1 AND 2 AND (2010:2024[pdat])	2

## SCOPUS

No.	Search	Results
1	TITLE-ABS-KEY ( "Prevalence" AND "Hand" AND ( "Paresthesia" OR "Dysesthesia" OR "Tingling" OR "Prickling" OR "Abnormal sensation" ) AND ( "Numbness" OR "Hypoesthesia" OR "Impaired sensation" OR "Reduced sensation" ) )	175
2	TITLE-ABS-KEY ( "Shoulder" AND ( "Pathology" OR "Disease" OR "Injury" OR "Disorder" OR "Problem" ) )	86250
3	1 AND 2 AND PUBYEAR > 2009 AND PUBYEAR < 2024	12

## Embase via Ovid

No.	Search	Results
1	("Prevalence" and "Hand" and ("Paresthesia" or "Dysesthesia" or "Tingling" or "Prickling" or "Abnormal sensation") and ("Numbness" or "Hypoesthesia" or "Impaired sensation" or "Reduced sensation")).mp.	174
2	("Shoulder" and ("Pathology" or "Disease" or "Injury" or "Disorder" or "Problem")).mp.	74590
4	1 and 2	21
5	limit 4 to yr="2010 - 2024"	17

## Cochrane Library

No.	Search	Results
1	("prevalence"):ti,ab,kw AND ("Hand"):ti,ab,kw AND ("Paresthesia" OR "Dysesthesia" OR "Tingling" OR "Prickling" OR "Abnormal sensation"):ti,ab,kw AND ("Numbness" OR "Hypoesthesia" OR "Impaired sensation" OR "Reduced sensation"):ti,ab,kw (Word variations have been searched)	22
2	("Shoulder"):ti,ab,kw AND ("Pathology" OR "Disease" OR "Injury" OR "Disorder" OR "Problem"):ti,ab,kw	7814
3	1 AND 2	2
4	publication date from Jan 2010 to Dec 2023	2