

## Appendix 1. Overview of the applied search terms in searching of databases

### Pubmed

| Search number | Query                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Sort By     | Filters | Search Details                   | Results | Time    |         |         |
|---------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|---------|----------------------------------|---------|---------|---------|---------|
| 1             | "Multiple Sclerosis"[Mesh]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Most Recent |         | "Multiple Sclerosis"[MeSH Terms] | 61,609  | 2:46:49 |         |         |
| 2             | ((((Multiple Sclerosis[Title/Abstract]) OR (Sclerosis, Multiple[Title/Abstract])) OR (Sclerosis, Disseminated[Title/Abstract])) OR (Disseminated Sclerosis[Title/Abstract])) OR (MS (Multiple Sclerosis)[Title/Abstract])) OR (Multiple Sclerosis, Acute Fulminating[Title/Abstract]) "multiple sclerosis"[Title/Abstract] OR "sclerosis multiple"[Title/Abstract] OR "sclerosis disseminated"[Title/Abstract] OR "disseminated sclerosis"[Title/Abstract] OR (("ms"[Journal] OR "med sci paris"[Journal] OR "ms"[All Fields]) AND ("multiple sclerosis"[MeSH Terms] OR ("Multiple"[All Fields] AND "Sclerosis"[All Fields]) OR "multiple sclerosis"[All Fields])) OR "multiple sclerosis acute fulminating"[Title/Abstract]                                                                        |             |         |                                  |         |         | 82,357  | 2:49:46 |
| 3             | ((((((Multiple Sclerosis[Title/Abstract]) OR (Sclerosis, Multiple[Title/Abstract])) OR (Sclerosis, Disseminated[Title/Abstract])) OR (Disseminated Sclerosis[Title/Abstract])) OR (MS (Multiple Sclerosis)[Title/Abstract])) OR (Multiple Sclerosis, Acute Fulminating[Title/Abstract])) OR ("Multiple Sclerosis"[Mesh]) "Multiple Sclerosis"[Title/Abstract] OR "sclerosis multiple"[Title/Abstract] OR "sclerosis disseminated"[Title/Abstract] OR "disseminated sclerosis"[Title/Abstract] OR (("ms"[Journal] OR "med sci paris"[Journal] OR "ms"[All Fields]) AND ("Multiple Sclerosis"[MeSH Terms] OR ("Multiple"[All Fields] AND "Sclerosis"[All Fields]) OR "Multiple Sclerosis"[All Fields])) OR "multiple sclerosis acute fulminating"[Title/Abstract] OR "Multiple Sclerosis"[MeSH Terms] |             |         |                                  |         |         | 88,118  | 2:50:07 |
| 4             | "Anxiety"[Mesh]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Most Recent |         | "Anxiety"[MeSH Terms]            | 91,652  | 2:51:06 |         |         |
| 5             | (((((((Anxiety[Title/Abstract]) OR (Angst[Title/Abstract])) OR (Nervousness[Title/Abstract])) OR (Hypervigilance[Title/Abstract])) OR (Anxiousness[Title/Abstract])) OR (Social Anxiety[Title/Abstract])) OR (Anxieties, Social[Title/Abstract])) OR (Social Anxieties[Title/Abstract]) "Anxiety"[Title/Abstract] OR "Angst"[Title/Abstract] OR "Nervousness"[Title/Abstract] OR "Hypervigilance"[Title/Abstract] OR "Anxiousness"[Title/Abstract] OR "social anxiety"[Title/Abstract] OR (("Anxiety"[MeSH Terms] OR "Anxiety"[All Fields] OR "Anxieties"[All Fields] OR "anxiety s"[All Fields]) AND "Social"[Title/Abstract]) OR "social anxieties"[Title/Abstract]                                                                                                                               |             |         |                                  |         |         | 216,693 | 2:52:32 |
| 6             | ("Anxiety"[Mesh]) OR (((((((Anxiety[Title/Abstract]) OR (Angst[Title/Abstract])) OR (Nervousness[Title/Abstract])) OR (Hypervigilance[Title/Abstract])) OR (Anxiousness[Title/Abstract])) OR (Social Anxiety[Title/Abstract])) OR (Anxieties, Social[Title/Abstract])) OR (Social Anxieties[Title/Abstract]) "Anxiety"[MeSH Terms] OR ("Anxiety"[Title/Abstract] OR "Angst"[Title/Abstract])                                                                                                                                                                                                                                                                                                                                                                                                        |             |         |                                  |         |         |         |         |

"Nervousness"[Title/Abstract] OR "Hypervigilance"[Title/Abstract] OR  
 "Anxiousness"[Title/Abstract] OR "social anxiety"[Title/Abstract] OR  
 (("Anxiety"[MeSH Terms] OR "Anxiety"[All Fields] OR "Anxieties"[All Fields] OR  
 "anxiety s"[All Fields]) AND "Social"[Title/Abstract]) OR "social  
 anxieties"[Title/Abstract] 239,810 2:52:52

7 "Prevalence"[Mesh] Most Recent "Prevalence"[MeSH Terms] 307,801  
 2:53:36

8 ((((((Prevalence[Title/Abstract]) OR (Prevalences[Title/Abstract])) OR (Period  
 Prevalence[Title/Abstract])) OR (Period Prevalences[Title/Abstract])) OR (Prevalence,  
 Period[Title/Abstract])) OR (Point Prevalence[Title/Abstract])) OR (Point  
 Prevalences[Title/Abstract])) OR (Prevalence, Point[Title/Abstract])

"Prevalence"[Title/Abstract] OR "Prevalences"[Title/Abstract] OR "period  
 prevalence"[Title/Abstract] OR "period prevalences"[Title/Abstract] OR "prevalence  
 period"[Title/Abstract] OR "point prevalence"[Title/Abstract] OR "point  
 prevalences"[Title/Abstract] OR "prevalence point"[Title/Abstract] 675,142 2:55:00

9 ("Prevalence"[Mesh]) OR (((((((Prevalence[Title/Abstract]) OR  
 (Prevalences[Title/Abstract])) OR (Period Prevalence[Title/Abstract])) OR (Period  
 Prevalences[Title/Abstract])) OR (Prevalence, Period[Title/Abstract])) OR (Point  
 Prevalence[Title/Abstract])) OR (Point Prevalences[Title/Abstract])) OR (Prevalence,  
 Point[Title/Abstract]))

"Prevalence"[MeSH Terms] OR  
 "Prevalence"[Title/Abstract] OR "Prevalences"[Title/Abstract] OR "period  
 prevalence"[Title/Abstract] OR "period prevalences"[Title/Abstract] OR "prevalence  
 period"[Title/Abstract] OR "point prevalence"[Title/Abstract] OR "point  
 prevalences"[Title/Abstract] OR "prevalence point"[Title/Abstract] 761,650 2:55:26

10 "Risk Factors"[Mesh]Most Recent "Risk Factors"[MeSH Terms] 867,300  
 2:56:04

11 ((((((Risk Factors[Title/Abstract]) OR (Factor, Risk[Title/Abstract])) OR (Risk  
 Factor[Title/Abstract])) OR (Health Correlates[Title/Abstract])) OR (Correlates,  
 Health[Title/Abstract])) OR (factor[Title/Abstract])) OR (factors[Title/Abstract])

"risk factors"[Title/Abstract] OR "factor risk"[Title/Abstract] OR "risk  
 factor"[Title/Abstract] OR "health correlates"[Title/Abstract] OR "correlates  
 health"[Title/Abstract] OR "Factor"[Title/Abstract] OR "Factors"[Title/Abstract]  
 3,583,202 2:57:05

12 ("Risk Factors"[Mesh]) OR (((((((Risk Factors[Title/Abstract]) OR (Factor,  
 Risk[Title/Abstract])) OR (Risk Factor[Title/Abstract])) OR (Health  
 Correlates[Title/Abstract])) OR (Correlates, Health[Title/Abstract])) OR  
 (factor[Title/Abstract])) OR (factors[Title/Abstract]))

"Risk  
 Factors"[MeSH Terms] OR "Risk Factors"[Title/Abstract] OR "factor  
 risk"[Title/Abstract] OR "risk factor"[Title/Abstract] OR "health  
 correlates"[Title/Abstract] OR "correlates health"[Title/Abstract] OR  
 "Factor"[Title/Abstract] OR "Factors"[Title/Abstract] 4,030,263 2:57:27

13 (("Prevalence"[Mesh]) OR (((((((Prevalence[Title/Abstract]) OR  
 (Prevalences[Title/Abstract])) OR (Period Prevalence[Title/Abstract])) OR (Period  
 Prevalences[Title/Abstract])) OR (Prevalence, Period[Title/Abstract])) OR (Point

Prevalence[Title/Abstract])) OR (Point Prevalences[Title/Abstract])) OR (Prevalence, Point[Title/Abstract])) OR (((("Risk Factors"[Mesh]) OR ((((((Risk Factors[Title/Abstract]) OR (Factor, Risk[Title/Abstract])) OR (Risk Factor[Title/Abstract])) OR (Health Correlates[Title/Abstract])) OR (Correlates, Health[Title/Abstract])) OR (factor[Title/Abstract])) OR (factors[Title/Abstract]))

"Prevalence"[MeSH Terms] OR "Prevalence"[Title/Abstract] OR "Prevalences"[Title/Abstract] OR "period prevalence"[Title/Abstract] OR "period prevalences"[Title/Abstract] OR "prevalence period"[Title/Abstract] OR "point prevalence"[Title/Abstract] OR "point prevalences"[Title/Abstract] OR "prevalence point"[Title/Abstract] OR "Risk Factors"[MeSH Terms] OR "Risk Factors"[Title/Abstract] OR "factor risk"[Title/Abstract] OR "risk factor"[Title/Abstract] OR "health correlates"[Title/Abstract] OR "correlates health"[Title/Abstract] OR "Factor"[Title/Abstract] OR "Factors"[Title/Abstract]

4,514,085 2:58:06

14 (((((((((Multiple Sclerosis[Title/Abstract]) OR (Sclerosis, Multiple[Title/Abstract])) OR (Sclerosis, Disseminated[Title/Abstract])) OR (Disseminated Sclerosis[Title/Abstract])) OR (MS (Multiple Sclerosis)[Title/Abstract])) OR (Multiple Sclerosis, Acute Fulminating[Title/Abstract])) OR ("Multiple Sclerosis"[Mesh])) AND ((("Anxiety"[Mesh]) OR (((((((((Anxiety[Title/Abstract]) OR (Angst[Title/Abstract])) OR (Nervousness[Title/Abstract])) OR (Hypervigilance[Title/Abstract])) OR (Anxiousness[Title/Abstract])) OR (Social Anxiety[Title/Abstract])) OR (Anxieties, Social[Title/Abstract])) OR (Social Anxieties[Title/Abstract])))) AND (((("Prevalence"[Mesh]) OR (((((((((Prevalence[Title/Abstract]) OR (Prevalences[Title/Abstract])) OR (Period Prevalence[Title/Abstract])) OR (Period Prevalences[Title/Abstract])) OR (Prevalence, Period[Title/Abstract])) OR (Point Prevalence[Title/Abstract])) OR (Point Prevalences[Title/Abstract])) OR (Prevalence, Point[Title/Abstract])))) OR (((("Risk Factors"[Mesh]) OR (((((((((Risk Factors[Title/Abstract]) OR (Factor, Risk[Title/Abstract])) OR (Risk Factor[Title/Abstract])) OR (Health Correlates[Title/Abstract])) OR (Correlates, Health[Title/Abstract])) OR (factor[Title/Abstract])) OR (factors[Title/Abstract])))) ("Multiple Sclerosis"[Title/Abstract] OR "sclerosis multiple"[Title/Abstract] OR "sclerosis disseminated"[Title/Abstract] OR "disseminated sclerosis"[Title/Abstract] OR (("ms"[Journal] OR "med sci paris"[Journal] OR "ms"[All Fields]) AND ("Multiple Sclerosis"[MeSH Terms] OR ("Multiple"[All Fields] AND "Sclerosis"[All Fields]) OR "Multiple Sclerosis"[All Fields])) OR "multiple sclerosis acute fulminating"[Title/Abstract] OR "Multiple Sclerosis"[MeSH Terms]) AND ("Anxiety"[MeSH Terms] OR ("Anxiety"[Title/Abstract] OR "Angst"[Title/Abstract] OR "Nervousness"[Title/Abstract] OR "Hypervigilance"[Title/Abstract] OR "Anxiousness"[Title/Abstract] OR "social anxiety"[Title/Abstract] OR ((("Anxiety"[MeSH Terms] OR "Anxiety"[All Fields] OR "Anxieties"[All Fields] OR "anxiety s"[All Fields]) AND "Social"[Title/Abstract]) OR "social anxieties"[Title/Abstract])) AND ((("Prevalence"[MeSH Terms] OR ("Prevalence"[Title/Abstract] OR "Prevalences"[Title/Abstract] OR "period

prevalence"[Title/Abstract] OR "period prevalences"[Title/Abstract] OR "prevalence period"[Title/Abstract] OR "point prevalence"[Title/Abstract] OR "point prevalences"[Title/Abstract] OR "prevalence point"[Title/Abstract]) OR ("Risk Factors"[MeSH Terms] OR ("Risk Factors"[Title/Abstract] OR "factor risk"[Title/Abstract] OR "risk factor"[Title/Abstract] OR "health correlates"[Title/Abstract] OR "correlates health"[Title/Abstract] OR "Factor"[Title/Abstract] OR "Factors"[Title/Abstract]))) 480 2:58:36

## Embase

No. Query Results Date

- #1 'multiple sclerosis'/exp 139804 16-May-21
- #2 'multiple sclerosis':ab,ti OR 'sclerosis, multiple':ab,ti OR 'sclerosis, disseminated':ab,ti OR 'disseminated sclerosis':ab,ti OR (ms:ab,ti AND 'multiple sclerosis':ab,ti) OR 'multiple sclerosis, acute fulminating':ab,ti 124188 16-May-21
- #3 'anxiety'/exp 234320 16-May-21
- #4 anxiety:ab,ti OR angst:ab,ti OR nervousness:ab,ti OR hypervigilance:ab,ti OR anxiousness:ab,ti OR 'social anxiety':ab,ti OR 'anxieties, social':ab,ti OR 'anxiety, social':ab,ti OR 'social anxieties':ab,ti 301034 16-May-21
- #5 'prevalence'/exp 810069 16-May-21
- #6 prevalence:ab,ti OR prevalences:ab,ti OR 'period prevalence':ab,ti OR 'period prevalences':ab,ti OR 'prevalence, period':ab,ti OR 'point prevalence':ab,ti OR 'point prevalences':ab,ti OR 'prevalence, point':ab,ti 955535 16-May-21
- #7 'risk factor'/exp 1113628 16-May-21
- #8 'risk factors':ab,ti OR 'factor, risk':ab,ti OR 'risk factor':ab,ti OR 'health correlates':ab,ti OR 'correlates, health':ab,ti OR factor:ab,ti OR factors:ab,ti 4595379 16-May-21
- #9 #1 OR #2 151790 16-May-21
- #10 #3 OR #4 364569 16-May-21
- #11 #5 OR #6 OR #7 OR #8 5788242 16-May-21
- #12 #9 AND #10 AND #11 1102 16-May-21

## Cochrane Library

ID Search

- #1 MeSH descriptor: [Multiple Sclerosis] explode all trees
- #2 (Multiple Sclerosis, Acute Fulminating):ti,ab,kw
- #3 #1 #2
- #4 MeSH descriptor: [Anxiety] explode all trees
- #5 (Anxiety):ti,ab,kw OR (Angst):ti,ab,kw
- #6 #4 or #5
- #7 MeSH descriptor: [Prevalence] explode all trees
- #8 MeSH descriptor: [Risk Factors] explode all trees
- #9 #7 or #8
- #10 #3 and #6 and #9

#11 MeSH descriptor: [Multiple Sclerosis] explode all trees  
 #12 MeSH descriptor: [Multiple Sclerosis] explode all trees  
 #13 MeSH descriptor: [Multiple Sclerosis] explode all trees  
 #14 MeSH descriptor: [Multiple Sclerosis] explode all trees  
 #15 (Multiple Sclerosis):ti,ab,kw OR (Sclerosis, Multiple):ti,ab,kw OR (Sclerosis, Disseminated):ti,ab,kw OR (Disseminated Sclerosis):ti,ab,kw OR (MS (Multiple Sclerosis)):ti,ab,kw  
 #16 (Multiple Sclerosis, Acute Fulminating):ti,ab,kw  
 #17 MeSH descriptor: [Anxiety] explode all trees  
 #18 (Anxiety):ti,ab,kw OR (Angst):ti,ab,kw OR (Nervousness):ti,ab,kw OR (Hypervigilance):ti,ab,kw OR (Anxiousness):ti,ab,kw  
 #19 (Social Anxiety):ti,ab,kw OR (Anxieties, Social):ti,ab,kw OR (Anxiety, Social):ti,ab,kw OR (Social Anxieties):ti,ab,kw  
 #20 MeSH descriptor: [Prevalence] explode all trees  
 #21 (Prevalence):ti,ab,kw OR (Prevalences):ti,ab,kw OR (Period Prevalence):ti,ab,kw OR (Period Prevalences):ti,ab,kw OR (Prevalence, Period):ti,ab,kw  
 #22 (Point Prevalence):ti,ab,kw OR (Point Prevalences):ti,ab,kw OR (Prevalence, Point):ti,ab,kw  
 #23 MeSH descriptor: [Risk Factors] explode all trees  
 #24 (Risk Factors):ti,ab,kw OR (Factor, Risk):ti,ab,kw OR (Risk Factor):ti,ab,kw OR (Health Correlates):ti,ab,kw OR (Correlates, Health):ti,ab,kw  
 #25 (factor):ti,ab,kw OR (factors):ti,ab,kw  
 #26 #14 OR #15 OR #16  
 #27 #17 OR #18 OR #19  
 #28 #20 OR #21 OR #22 OR #23 OR #24 OR #25  
 #29 #26 AND #27 AND #28

## Web of Science

ID Results "Query Sort" By Filters

# 1 308,475

TOPIC: (Anxiety) OR TOPIC: (Angst) OR TOPIC: (Nervousness) OR TOPIC: (Hypervigilance) OR TOPIC: (Anxiousness) OR TOPIC: (Social Anxiety) OR TOPIC: (Anxieties, Social) OR TOPIC: (Anxiety, Social) OR TOPIC: (Social Anxieties) Indexes=SCI-EXPANDED, SSCI, A&HCI, CPCI-S, CPCI-SSH, BKCI-S, BKCI-SSH, ESCI, CCR-EXPANDED, IC Timespan=All years

# 2 135015 TOPIC: (Multiple Sclerosis) OR TOPIC: (Sclerosis, Multiple) OR TOPIC: (Sclerosis, Disseminated) OR TOPIC: (Disseminated Sclerosis) OR TOPIC: (MS (Multiple Sclerosis) ) OR TOPIC: (Multiple Sclerosis, Acute Fulminating) Indexes=SCI-EXPANDED, SSCI, A&HCI, CPCI-S, CPCI-SSH, BKCI-S, BKCI-SSH, ESCI, CCR-EXPANDED, IC Timespan=All years

# 3 6540134 TOPIC: (Prevalence) OR TOPIC: (Prevalences) OR TOPIC: (Period Prevalence) OR TOPIC: (Period Prevalences) OR TOPIC: (Prevalence, Period) OR TOPIC: (Point Prevalence) OR TOPIC: (Point

Prevalences) OR TOPIC: (Prevalence, Point) OR TOPIC: (Risk Factors) OR TOPIC: (Factor, Risk) OR TOPIC: (Risk Factor) OR TOPIC: (Health Correlates) OR TOPIC: (Correlates, Health) OR TOPIC: (factor) OR TOPIC: (factors) Indexes=SCI-EXPANDED, SSCI, A&HCI, CPCI-S, CPCI-SSH, BKCI-S, BKCI-SSH, ESCI, CCR-EXPANDED, IC Timespan=All years  
# 4 841 #1 AND #2 AND #3 Indexes=SCI-EXPANDED, SSCI, A&HCI, CPCI-S, CPCI-SSH, BKCI-S, BKCI-SSH, ESCI, CCR-EXPANDED, IC Timespan=All years