**Appendix. Search Strategies**

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**Peer-Review:** Leila Ledbetter, MSLS; Duke University Medical Center Library & Archives, Duke University School of Medicine

**Question:** What are the experiences of nurses speaking-up about patient concerns in healthcare settings? What are the barriers and facilitators of nurses speaking up in healthcare settings? PerSPecTIF

**Database (including vendor/platform):** Medline (via PubMed)
**Date Searched:** 03/17/2023

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| **Set #** | **Search Strategy** | **Results** |
| 1 | "nurses"[MeSH Terms] OR "nursing"[mesh] OR "nurse's role"[mesh] OR "nursing staff"[mesh] OR nurse[tiab] OR nurses[tiab] OR nursing[tiab] OR nursings[tiab] OR "nurse's"[tiab] OR "nurse s"[tiab] | 685,238 |
| 2 | "assertiveness"[mesh] OR "courage"[mesh] OR "speak up"[tiab] OR "speaking up"[tiab] OR assertiveness[tiab] OR "assertive behavior"[tiab] OR "assertive behaviors"[tiab] OR "assertive behaviours"[tiab] OR "assertive sharing"[tiab] OR "assertive behaviours"[tiab] OR "assertiveness training"[tiab] OR "assertiveness program"[tiab] OR "assertiveness communication"[tiab] OR "assertiveness coaching"[tiab] OR "assertiveness training"[tiab] OR "assertive program"[tiab] OR "assertive communication"[tiab] OR "assertive training"[tiab] OR "assertive program"[tiab] OR "assertive communication"[tiab] OR "insistent sharing"[tiab] OR "insistent employee"[tiab] OR "insistent employees"[tiab] OR "employee silence"[tiab] OR "employee's silence"[tiab] OR "employee s silence"[tiab] OR "nurse silence"[tiab] OR "nurse's silence"[tiab] OR "nurse s silence"[tiab] OR "withholding voice"[tiab] OR "withholding voices"[tiab] OR "employee voice"[tiab] OR "employee voices"[tiab] OR "being vocal"[tiab] OR "vocal employee"[tiab] OR "vocal employees"[tiab] OR "withheld voice"[tiab] OR "withheld voices"[tiab] OR "safety voice"[tiab] OR "safety voices"[tiab] OR "voice behavior"[tiab] OR "voice behaviors"[tiab] OR "voice behaviour"[tiab] OR "voice behaviours"[tiab] OR "vocal behavior"[tiab] OR "vocal behaviors"[tiab] OR "vocal behaviour"[tiab] OR "vocal behaviours"[tiab] OR vocalize[tiab] OR vocalizing[tiab] OR vocalized[tiab] OR "voicing behavior"[tiab] OR "voicing behaviour"[tiab] OR "voicing behaviors"[tiab] OR "voicing behaviours"[tiab]  | 6,768 |
| 3 | #1 AND #2 | 1168 |
| 4 | #3 NOT (Editorial[pt] OR Letter[pt] OR Comment[pt])  | 1116 |
| 5 | #4 AND (english[Filter] OR korean[Filter]) | 1060 |

**Database (including vendor/platform):** Embase (via Elsevier)
**Date Searched:** 03/17/2023

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| **Set #** | **Search Strategy** | **Results** |
| 1 | 'nurse'/exp OR 'nursing'/exp OR 'nurse attitude'/exp OR 'nursing staff'/exp OR nurse:ti,ab OR nurses:ti,ab OR nursing:ti,ab OR nursings:ti,ab OR 'nurse s':ti,ab | 1,294,171 |
| 2 | 'assertiveness'/exp OR 'assertive training'/exp OR 'courage'/exp OR 'speak up':ti,ab OR 'speaking up':ti,ab OR assertiveness:ti,ab OR 'assertive behavior':ti,ab OR 'assertive behaviors':ti,ab OR 'assertive behaviours':ti,ab OR 'assertive sharing':ti,ab OR 'assertive behaviours':ti,ab OR 'assertiveness training':ti,ab OR 'assertiveness program':ti,ab OR 'assertiveness communication':ti,ab OR 'assertiveness coaching':ti,ab OR 'assertiveness training':ti,ab OR 'assertive program':ti,ab OR 'assertive communication':ti,ab OR 'assertive training':ti,ab OR 'assertive program':ti,ab OR 'assertive communication':ti,ab OR 'insistent sharing':ti,ab OR 'insistent employee':ti,ab OR 'insistent employees':ti,ab OR 'employee silence':ti,ab OR 'employees silence':ti,ab OR 'employee s silence':ti,ab OR 'nurse silence':ti,ab OR 'nurses silence':ti,ab OR 'nurse s silence':ti,ab OR 'withholding voice':ti,ab OR 'withholding voices':ti,ab OR 'employee voice':ti,ab OR 'employee voices':ti,ab OR 'being vocal':ti,ab OR 'vocal employee':ti,ab OR 'vocal employees':ti,ab OR 'withheld voice':ti,ab OR 'withheld voices':ti,ab OR 'safety voice':ti,ab OR 'safety voices':ti,ab OR 'voice behavior':ti,ab OR 'voice behaviors':ti,ab OR 'voice behaviour':ti,ab OR 'voice behaviours':ti,ab OR 'vocal behavior':ti,ab OR 'vocal behaviors':ti,ab OR 'vocal behaviour':ti,ab OR 'vocal behaviours':ti,ab OR vocalize:ti,ab OR vocalizing:ti,ab OR vocalized:ti,ab OR 'voicing behavior':ti,ab OR 'voicing behaviour':ti,ab OR 'voicing behaviors':ti,ab OR 'voicing behaviours':ti,ab | 10,345 |
| 3 | #1 AND #2 | 1788 |
| 4 | #3 NOT ('editorial'/exp OR [editorial]/lim OR 'letter'/exp OR [letter]/lim OR 'note'/exp OR [note]/lim) | 1683 |
| 5 | #4 AND ([english]/lim OR [korean]/lim) | 1608 |

**Database (including vendor/platform):** CINAHL Complete (via EBSCOhost)
**Date Searched:** 03/17/2023

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| **Set #** | **Search Strategy** | **Results** |
| 1 | (MH nurses+) OR (MH "nursing care+") OR (MH "nursing role") OR (MH "nurse researchers") OR (TI nurse OR AB nurse) OR (TI nurses OR AB nurses) OR (TI nursing OR AB nursing) OR (TI nursings OR AB nursings) OR (TI nurse's OR AB nurse's) OR (TI "nurse s" OR AB "nurse s") | 851,251 |
| 2 | (MH assertiveness+) OR (MH assertiveness training) OR (MH courage+) OR (TI "speak up" OR AB "speak up") OR (TI "speaking up" OR AB "speaking up") OR (TI assertiveness OR AB assertiveness) OR (TI "assertive behavior" OR AB "assertive behavior") OR (TI "assertive behaviors" OR AB "assertive behaviors") OR (TI "assertive behaviours" OR AB "assertive behaviours") OR (TI "assertive sharing" OR AB "assertive sharing") OR (TI "assertive behaviours" OR AB "assertive behaviours") OR (TI "assertiveness training" OR AB "assertiveness training") OR (TI "assertiveness program" OR AB "assertiveness program") OR (TI "assertiveness communication" OR AB "assertiveness communication") OR (TI "assertiveness coaching" OR AB "assertiveness coaching") OR (TI "assertiveness training" OR AB "assertiveness training") OR (TI "assertive program" OR AB "assertive program") OR (TI "assertive communication" OR AB "assertive communication") OR (TI "assertive training" OR AB "assertive training") OR (TI "assertive program" OR AB "assertive program") OR (TI "assertive communication" OR AB "assertive communication") OR (TI "insistent sharing" OR AB "insistent sharing") OR (TI "insistent employee" OR AB "insistent employee") OR (TI "insistent employees" OR AB "insistent employees") OR (TI "employee silence" OR AB "employee silence") OR (TI "employee's silence" OR AB "employee's silence") OR (TI "employee s silence" OR AB "employee s silence") OR (TI "nurse silence" OR AB "nurse silence") OR (TI "nurse's silence" OR AB "nurse's silence") OR (TI "nurse s silence" OR AB "nurse s silence") OR (TI "withholding voice" OR AB "withholding voice") OR (TI "withholding voices" OR AB "withholding voices") OR (TI "employee voice" OR AB "employee voice") OR (TI "employee voices" OR AB "employee voices") OR (TI "being vocal" OR AB "being vocal") OR (TI "vocal employee" OR AB "vocal employee") OR (TI "vocal employees" OR AB "vocal employees") OR (TI "withheld voice" OR AB "withheld voice") OR (TI "withheld voices" OR AB "withheld voices") OR (TI "safety voice" OR AB "safety voice") OR (TI "safety voices" OR AB "safety voices") OR (TI "voice behavior" OR AB "voice behavior") OR (TI "voice behaviors" OR AB "voice behaviors") OR (TI "voice behaviour" OR AB "voice behaviour") OR (TI "voice behaviours" OR AB "voice behaviours") OR (TI "vocal behavior" OR AB "vocal behavior") OR (TI "vocal behaviors" OR AB "vocal behaviors") OR (TI "vocal behaviour" OR AB "vocal behaviour") OR (TI "vocal behaviours" OR AB "vocal behaviours") OR (TI vocalize OR AB vocalize) OR (TI vocalizing OR AB vocalizing) OR (TI vocalized OR AB vocalized) OR (TI "voicing behavior" OR AB "voicing behavior") OR (TI "voicing behaviour" OR AB "voicing behaviour") OR (TI "voicing behaviors" OR AB "voicing behaviors") OR (TI "voicing behaviours" OR AB "voicing behaviours") | 27,590 |
| 3 | s1 AND s2 | 5496 |
| 4 | s3 NOT PT(Commentary OR Editorial OR Letter) | 4959 |
| 5 | Limit to English or Korean language | 4735 |

**Database (including vendor/platform):** APAPsycINFO (via EBSCOhost)
**Date Searched:** 03/17/2023

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| **Set #** | **Search Strategy** | **Results** |
| 1 | DE "Nurses" OR DE "Psychiatric Nurses" OR DE "Public Health Service Nurses" OR DE "School Nurses" OR DE "Nursing" OR TI(nurse OR nurses OR nursing OR nursings OR "nurse's" OR "nurse s") OR AB(nurse OR nurses OR nursing OR nursings OR "nurse's" OR "nurse s")  | 111,429 |
| 2 | DE "Assertiveness" OR DE "Assertiveness Training" OR TI (assertiveness OR courage OR "speak up" OR "speaking up" OR assertiveness OR "assertive behavior" OR "assertive behaviors" OR "assertive behaviours" OR "assertive sharing" OR "assertive behaviours" OR "assertiveness training" OR "assertiveness program" OR "assertiveness communication" OR "assertiveness coaching" OR "assertiveness training" OR "assertive program" OR "assertive communication" OR "assertive training" OR "assertive program" OR "assertive communication" OR "insistent sharing" OR "insistent employee" OR "insistent employees" OR "employee silence" OR "employee's silence" OR "employee s silence" OR "nurse silence" OR "nurse's silence" OR "nurse s silence" OR "withholding voice" OR "withholding voices" OR "employee voice" OR "employee voices" OR "being vocal" OR "vocal employee" OR "vocal employees" OR "withheld voice" OR "withheld voices" OR "safety voice" OR "safety voices" OR "voice behavior" OR "voice behaviors" OR "voice behaviour" OR "voice behaviours" OR "vocal behavior" OR "vocal behaviors" OR "vocal behaviour" OR "vocal behaviours" OR vocalize OR vocalizing OR vocalized OR "voicing behavior" OR "voicing behaviour" OR "voicing behaviors" OR "voicing behaviours") OR AB (assertiveness OR courage OR "speak up" OR "speaking up" OR assertiveness OR "assertive behavior" OR "assertive behaviors" OR "assertive behaviours" OR "assertive sharing" OR "assertive behaviours" OR "assertiveness training" OR "assertiveness program" OR "assertiveness communication" OR "assertiveness coaching" OR "assertiveness training" OR "assertive program" OR "assertive communication" OR "assertive training" OR "assertive program" OR "assertive communication" OR "insistent sharing" OR "insistent employee" OR "insistent employees" OR "employee silence" OR "employee's silence" OR "employee s silence" OR "nurse silence" OR "nurse's silence" OR "nurse s silence" OR "withholding voice" OR "withholding voices" OR "employee voice" OR "employee voices" OR "being vocal" OR "vocal employee" OR "vocal employees" OR "withheld voice" OR "withheld voices" OR "safety voice" OR "safety voices" OR "voice behavior" OR "voice behaviors" OR "voice behaviour" OR "voice behaviours" OR "vocal behavior" OR "vocal behaviors" OR "vocal behaviour" OR "vocal behaviours" OR vocalize OR vocalizing OR vocalized OR "voicing behavior" OR "voicing behaviour" OR "voicing behaviors" OR "voicing behaviours") | 14,541 |
| 3 | s1 AND s2 | 540 |
| 4 | S3 limited to academic journals and dissertations | 508 |
| 5 | Limited to English OR Korean language | 498 |

**Database (including vendor/platform):** Dissertations & Theses Global (via ProQuest)
**Date Searched:** 03/17/2023

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| **Set #** | **Search Strategy** | **Results** |
| 1Nurses | noft("nurse specialists" OR "advanced practice nurses" OR "nurse practitioners" OR nursing OR nurse OR nurses OR nursings OR "nursing care" OR "school nurses" OR "nurse's" OR "nurse s")  | 77,578 |
| 2Speaking up | noft(assertiveness OR courage OR "speak up" OR "speaking up" OR assertiveness OR "assertive behavior" OR "assertive behaviors" OR "assertive behaviours" OR "assertive sharing" OR "assertive behaviours" OR "assertiveness training" OR "assertiveness program" OR "assertiveness communication" OR "assertiveness coaching" OR "assertiveness training" OR "assertive program" OR "assertive communication" OR "assertive training" OR "assertive program" OR "assertive communication" OR "insistent sharing" OR "insistent employee" OR "insistent employees" OR "employee silence" OR "employee's silence" OR "employee s silence" OR "nurse silence" OR "nurse's silence" OR "nurse s silence" OR "withholding voice" OR "withholding voices" OR "employee voice" OR "employee voices" OR "being vocal" OR "vocal employee" OR "vocal employees" OR "withheld voice" OR "withheld voices" OR "safety voice" OR "safety voices" OR "voice behavior" OR "voice behaviors" OR "voice behaviour" OR "voice behaviours" OR "vocal behavior" OR "vocal behaviors" OR "vocal behaviour" OR "vocal behaviours" OR vocalize OR vocalizing OR vocalized OR "voicing behavior" OR "voicing behaviour" OR "voicing behaviors" OR "voicing behaviours")  | 7,273 |
| 3 | 1 AND 2 | 361 |
| 4 | Limited to English OR Korean language | 345 |

Total number of citations in EndNote before Covidence de-duplication: 8175

Covidence removed 2063 duplicates leaving 6112 references to screen

*Limits to language(s) or date require justification. Authors should include this in the Methods.*

*Exclusion of study designs and animal-only studies require justification. Authors should include this in the Methods.*

*Study Design filters require justification (e.g., why is the team filtering to RCTs). Authors can include this in the Methods. Please cite any published / validated search filters used (e.g., Cochrane filters, COSMIN, etc)*