**Appendix 1. Search Strategy**

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| **Database** | **Strategy** | **Run Date** | **Records** |
| **Medline****(OVID)****1946-** | Exp Hearing loss/ OR (Hearing loss OR deafness).ti,ab. ANDExp Neonatal screening/ OR ((neonatal OR newborn) ADJ5 screening).ti,ab. ANDEt.fs OR etiolog\* OR cause\* OR onset OR congenital OR disorder\* OR cytomegalovirus OR cmv OR genetic\* OR mutation\* OR complication\*ANDNewborn\* OR infant\* OR neonate\* OR baby OR babies OR one year\* OR two year\* OR 1 year\* OR 2 year\* OR < 2 OR <2 OR prelingual OR pre-lingual 1998 - ; English | 2/19/2020 | 977 |
| **Embase****(OVID)****1988-** | Exp Hearing impairment/ OR (Hearing loss OR deafness).ti,ab.ANDExp Newborn screening/ OR ((neonatal OR newborn) ADJ5 screening).ti,ab. ANDEt.fs OR etiolog\* OR cause\* OR onset OR congenital OR disorder\* OR cytomegalovirus OR cmv OR genetic\* OR mutation\* OR complication\*ANDNewborn\* OR infant\* OR neonate\* OR baby OR babies OR one year\* OR two year\* OR 1 year\* OR 2 year\* OR < 2 OR <2 OR prelingual OR pre-lingual 1998 - ; English ; NOT pubmed/medline | 2/19/2020 | 1147 |
| **PsycInfo****(OVID)****1987-** | Exp hearing disorders/ OR (Hearing loss OR deafness).ti,ab.AND(Exp health screening/ AND neonatal period/) OR ((neonatal OR newborn) ADJ5 screening).ti,ab. ANDetiolog\* OR cause\* OR onset OR congenital OR disorder\* OR cytomegalovirus OR cmv OR genetic\* OR mutation\* OR complication\*ANDNewborn\* OR infant\* OR neonate\* OR baby OR babies OR one year\* OR two year\* OR 1 year\* OR 2 year\* OR < 2 OR <2 OR prelingual OR pre-lingual | 2/19/2020 | 154 |
| **CINAHL****(EbscoHost)** | (MH "Hearing Disorders+") OR (“Hearing loss” OR deafness) AND((neonatal OR newborn) N5 screening)ANDetiolog\* OR cause\* OR onset OR congenital OR disorder\* OR cytomegalovirus OR cmv OR genetic\* OR mutation\* OR complication\*ANDNewborn\* OR infant\* OR neonate\* OR baby OR babies OR “one year\*” OR “two year\*” OR 1 year\* OR 2 year\* OR < 2 OR <2 OR prelingual OR pre-lingual1998 - ; exclude Medline records | 2/19/2020 | 229 |
| **Cochrane Library** | (“Hearing loss” OR deafness):ti,ab AND((neonatal OR newborn) NEAR/5 screening):ti,abAND(etiolog\* OR cause\* OR onset OR congenital OR disorder\* OR cytomegalovirus OR cmv OR genetic\* OR mutation\* OR complication\*):ti,abAND(Newborn\* OR infant\* OR neonate\* OR baby OR babies OR “one year\*” OR “two year\*” OR “1 year\*” OR “2 year\*” OR “< 2” OR <2 OR prelingual OR pre-lingual):ti,ab | 2/19/2020 | 14  |