S1 Table. Search strategies for Pubmed and Embase

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|  | Database: PubMed; Search date: 01-October 2014 |  |
| Search | Query | Items found |
| [#25](http://www.ncbi.nlm.nih.gov/pubmed) | Search ((#22 AND #23) NOT (animals[mh] NOT humans[mh])) | [1653](http://www.ncbi.nlm.nih.gov/pubmed/?cmd=HistorySearch&querykey=25) |
| [#24](http://www.ncbi.nlm.nih.gov/pubmed) | Search (#22 AND #23) | [1653](http://www.ncbi.nlm.nih.gov/pubmed/?cmd=HistorySearch&querykey=24) |
| [#23](http://www.ncbi.nlm.nih.gov/pubmed) | Search (infant[mh] OR infant[tiab] OR infants[tiab] OR infancy[tiab] OR toddler\*[tiab] OR preterm\*[tiab] OR prematur\*[tiab] OR postmatur\*[tiab] OR baby[tiab] OR babies[tiab] OR neonat\*[tiab] OR newborn[tiab] OR preschool\*[tiab] OR pre-school\*[tiab] OR child[mh] OR child\*[tiab] OR kindergar\*[tiab] OR pupil\*[tiab] OR schoolchild\*[tiab] OR teen\*[tiab] OR youth[tiab] OR youths[tiab] OR youngster\*[tiab] OR young person\*[tiab] OR young people[tiab] OR minors[mh] OR minors[tiab] OR puberty[mh] OR puberty[tiab] OR pubescen\*[tiab] OR prepubescen\*[tiab] OR paediatric\*[tiab] OR pediatric\*[tiab] OR peadiatric\*[tiab] OR schools[mh:noexp] OR school\*[tiab] OR kid[tiab] OR kids[tiab] OR boy\*[tiab] OR girl\*[tiab] OR creche\*[tiab] OR highschool\*[tiab] OR juvenil\*[tiab] OR adolescent[mh] OR adolescen\*[tiab] OR under ag\*[tiab] OR underag\*[tiab]) | [3521601](http://www.ncbi.nlm.nih.gov/pubmed/?cmd=HistorySearch&querykey=23) |
| [#22](http://www.ncbi.nlm.nih.gov/pubmed) | Search (tuberculosis, multidrug-resistant[mh] OR multidrug resistant tuberculosis[tiab] OR drug resistant tuberculosis[tiab] OR multiple drug resistant tuberculosis[tiab] OR MDR tuberculosis[tiab] OR MDR TB[tiab] OR MDRTB[tiab] OR ((drug resistance[tiab] OR multidrug resistance[tiab] OR multiple drug resistance[tiab] OR multiresistant[tiab] OR multi resistant[tiab]) AND (tuberculosis[tiab] OR TB[tiab])) | [8600](http://www.ncbi.nlm.nih.gov/pubmed/?cmd=HistorySearch&querykey=22) |

* [AND in builder](http://www.ncbi.nlm.nih.gov/pubmed)
* [OR in builder](http://www.ncbi.nlm.nih.gov/pubmed)
* [NOT in builder](http://www.ncbi.nlm.nih.gov/pubmed)
* [Delete from history](http://www.ncbi.nlm.nih.gov/pubmed)
* [Show search results](http://www.ncbi.nlm.nih.gov/pubmed)
* [Show search details](http://www.ncbi.nlm.nih.gov/pubmed)
* [AND in builder](http://www.ncbi.nlm.nih.gov/pubmed)
* [OR in builder](http://www.ncbi.nlm.nih.gov/pubmed)
* [NOT in builder](http://www.ncbi.nlm.nih.gov/pubmed)
* [Delete from history](http://www.ncbi.nlm.nih.gov/pubmed)
* [Show search results](http://www.ncbi.nlm.nih.gov/pubmed)
* [Show search details](http://www.ncbi.nlm.nih.gov/pubmed)
* [Save in My NCBI](http://www.ncbi.nlm.nih.gov/pubmed)
* [AND in builder](http://www.ncbi.nlm.nih.gov/pubmed)
* [OR in builder](http://www.ncbi.nlm.nih.gov/pubmed)
* [NOT in builder](http://www.ncbi.nlm.nih.gov/pubmed)
* [Show search results](http://www.ncbi.nlm.nih.gov/pubmed)
* [Save as a My NCBI Collection](http://www.ncbi.nlm.nih.gov/pubmed)

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| Database: EMBASE; Search date: 01-October 2014 |
| No. | Query | Results |
| #8  | #3 NOT #7 | 1837 |
| #7  | #4 NOT #6 | 5002895 |
| #6  | #4 AND #5 | 1303481 |
| #5  | 'human'/de OR 'normal human'/de OR 'human cell'/de | 15207023 |
| #4  | 'animal'/de OR 'animal experiment'/de OR 'invertebrate'/de OR 'animal tissue'/de OR 'animal cell'/de OR 'nonhuman'/de | 6306376 |
| #3  | #1 AND #2 | 1889 |
| #2  | 'infant'/exp OR infant:ab,ti OR infants:ab,ti OR infancy:ab,ti OR toddler\*:ab,ti OR preterm\*:ab,ti OR prematur\*:ab,ti OR postmatur\*:ab,ti OR baby:ab,ti OR babies:ab,ti OR neonat\*:ab,ti OR newborn:ab,ti OR preschool\*:ab,ti OR pre+school\*:ab,ti OR 'child'/exp OR child\*:ab,ti OR kindergar\*:ab,ti OR pupil\*:ab,ti OR schoolchild\*:ab,ti OR teen\*:ab,ti OR youth:ab,ti OR youths:ab,ti OR youngster\*:ab,ti OR 'young person':ab,ti OR 'young persons':ab,ti OR 'young people':ab,ti OR 'minors'/exp OR minors:ab,ti OR 'puberty'/exp OR puberty:ab,ti OR pubescen\*:ab,ti OR prepubescen\*:ab,ti OR paediatric\*:ab,ti OR pediatric\*:ab,ti OR peadiatric\*:ab,ti OR 'schools'/exp OR school\*:ab,ti OR kid:ab,ti OR kids:ab,ti OR boy\*:ab,ti OR girl\*:ab,ti OR creche\*:ab,ti OR highschool\*:ab,ti OR 'juvenile'/exp OR juvenil\*:ab,ti OR 'adolescent'/exp OR adolescen\*:ab,ti OR (under NEXT/1 ag\*):ab,ti OR underag\*:ab,ti | 4649411 |
| #1  | 'multidrug resistant tuberculosis'/exp OR 'multidrug resistant tuberculosis':ab,ti OR 'drug resistant tuberculosis':ab,ti OR 'multiple drug resistant tuberculosis':ab,ti OR 'mdr tuberculosis':ab,ti OR 'mdr tb':ab,ti OR ('drug resistance':ab,ti OR 'multidrug resistance':ab,ti OR 'multiple drug resistance':ab,ti OR multiresistant:ab,ti AND (tuberculosis:ab,ti OR tb:ab,ti)) | 9249 |