Supplementary Table 1. Strategy of searching databases

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| Data base | Search strategy |
| PubMed | #1 Search ((orphan drugs [MeSH Terms]) OR (orphan medicine [Title/Abstract]) OR (rare medicine [Title/Abstract]) OR (rare drugs [Title/Abstract]) OR (rare diseases [MeSH Terms]) OR (orphan diseases [Title/Abstract]))  #2 Search ((budgeting [MeSH Terms]) OR (budget\* [Title/Abstract]) OR (drug cost [Title/Abstract]) OR (economics [Title/Abstract]))  #3 Search ((prioritize [MeSH Terms]) OR (prioritiz\* [Title/Abstract]) OR (priority setting [Title/Abstract]))  #4 #1 AND #2 AND #3 |
| Scopus | ( TITLE-ABS-KEY (( "orphan drugs" OR "orphan medicine" OR "rare medicine" OR "rare drugs" OR " rare diseases" OR "orphan diseases")) AND TITLE-ABS-KEY (( "budgeting" OR "drug cost" OR "economics" ) ) AND TITLE-ABS-KEY ( ( "prioritize" OR "priority setting" ))) |
| Embase | ('orphan drugs':ab,ti OR 'orphan medicine':ab,ti OR ' rare medicine ':ab,ti OR 'rare drugs':ab,ti OR 'rare diseases':ab,ti OR 'orphan diseases':ab,ti) AND ('budgeting':ab,ti OR 'drug cost' OR 'economics':ab,ti) AND ('prioritize':ab,ti OR 'priority setting': ab,ti) |
| Google Scholar | (intitle (( "orphan drugs" OR "orphan medicine" OR "rare medicine" OR "rare drugs" OR " rare diseases" OR "orphan diseases")) AND intitle (( "budgeting" OR "drug cost" OR "economics" ) ) AND intitle ( ( "prioritize" OR "priority setting" ))) |
| Others (EUnetHTA, CADTH and NICE) | “priority\* of orphan drugs and rare diseases” OR “priority\* of orphan medicine and rare diseases” |