Supplement 1. Search strategy and keywords

**Ovid Medline**

1. exp vitamin D [MESH]
2. exp vitamin D deficiency [MESH]
3. (cholecalciferol* or colecalciferol* or Hydroxyvitamin-D* or calcifediol* or calciferol* or ergocalciferol* or vitamin-d* or avitaminosis-d* or Hydroxycholecalciferol* or Dihydroxycholecalciferol* or Dihydroxyvitamin-D* or Dihydrotachysterol*).tw,kf.
4. 1 or 2 or 3
5. exp Asia, Southeastern [MESH]
6. ((south-east* or southeast*) adj Asia).tw,kf.
7. (brunei or burma or cambodia or east-timor or indonesia or indochina or indochine* or lao* or malaysia or mekong or myanmar or singapore or thailand or timor-leste or vietnam or viet-nam).tw,kf.
8. asean.tw,kf.
9. 5 or 6 or 7 or 8
10. (newborn* or new-born* or baby or babies or neonat* or neo-nat* or infan* or toddler* or pre-schooler* or preschooler* or kinder or kinders or kindergarten* or kinder-aged or boy or boys or girl or girls or child or children or childhood or pediatric* or paediatric* or adolescen* or youth or youths or teen or teens or teenage* or school-age* or schoolage* or school-child* or schoolchild* or school-girl* or schoolgirl* or school-boy* or schoolboy*).af.
11. 4 and 9 and 10
12. limit 11 to English language
13. limit 12 to (case reports or comment or editorial or guideline or letter or practice guideline)
14. 12 not 13

**Ovid Embase**

1. vitamin d/ or 24,25 dihydroxyvitamin d/ or 25 hydroxyvitamin d/ or exp colecalfcerol derivative/ or exp ergocalciferol derivative/
2. vitamin D deficiency/
3. (cholecalciferol* or colecalciferol* or Hydroxyvitamin-D* or calcifediol* or calciferol* or ergocalciferol* or vitamin-d* or avitaminosis-d* or Hydroxycholecalciferol* or Dihydroxycholecalciferol* or DiHydroxyvitamin-D* or Dihydrotachysterol*).tw,kw,dq.
4. 1 or 2 or 3
5. exp Southeast Asia/
6. ((south-east* or southeast*) adj Asia).tw,kw,dq.
7. (brunei or burma or cambodia or east-timor or indonesia or indochina or indochine* or lao* or malaysia or mekong or myanmar or singapore or thailand or timor-leste or vietnam or viet-nam).tw,kw,dq,
8. asean.tw,kw,dq.
9. 5 or 6 or 7 or 8
10. (newborn* or new-born* or baby or babies or neonat* or neo-nat* or infan* or toddler* or pre-schooler* or preschooler* or kinder or kinders or kindergarten* or kinder-aged or boy or boys or girl or girls or child or children or childhood or pediatric* or paediatric* or adolescen* or youth or youths or teen or teens or teenage* or school-age* or schoolage* or school-child* or schoolchild or school-girl* or schoolgirl* or school-boy* or schoolboy*).af.
11. 4 and 9 and 10
12. limit 11 to English language
13. limit 12 to (conference abstract or conference paper or "conference review" or editorial or letter)
14. 12 not 13

PubMed

#1
(cholecalciferol* OR colecalciferol* OR Hydroxyvitamin-D* OR calcifediol* OR calciferol* OR ergocalciferol* OR vitamin-d* OR avitaminosis-d* OR Hydroxycholecalciferol* OR Dihydroxycholecalciferol* OR Dihydroxyvitamin-D* OR Dihydrotachysterol*) [MESH]

#2
(South-east-asia OR southeast-asia OR south-eastern-asia OR southeastern-asia OR brunei OR burma OR cambodia OR east-timor OR indonesia OR indochina OR indochine* OR lao* OR laos OR malaysia OR mekong OR myanmar OR singapore OR thailand OR timor-leste OR vietnam OR viet-nam OR asean) [MESH]

#3
(newborn* OR new-born* OR baby OR babies OR neonat* OR neo-nat* OR infan* OR toddler* OR pre-schooler* OR preschooler* OR kinder OR kinders OR kindergarten* OR kinder-aged OR boy OR boys OR girl OR girls OR child OR children OR childhood OR pediatric* OR paediatric* OR adolescen* OR youth OR youths OR teen OR teens OR teenage* OR school-age* OR schoolage* OR school-child* OR schoolchild* OR school-girl* OR schoolgirl* OR school-boy* OR schoolboy*) [MESH]

#4
(NOTNLM OR publisher[sb] OR inprocess[sb] OR pubmednotmedline[sb] OR indatareview[sb] OR pubstatusaheadofprint)

#5
(#1 AND #2 AND #3 AND #4)
As seen on Pubmed
(cholecalciferol* OR colecalficerol* OR Hydroxyvitamin-D* OR calcifediol* OR calciferol* OR ergocalciferol* OR vitamin-d* OR avitaminosis-d* OR Hydroxycholecalciferol* OR Dihydroxycholecalciferol* OR Dihydroxyvitamin-D* OR Dihydrotachysterol*) AND (South-east-asia OR southeast-asia OR south-eastern-asia OR southeastern-asia OR brunei OR burma OR cambodia OR east-timor OR indonesia OR indochina OR indochine* OR lao OR laos OR malaysia OR mekong OR myanmar OR singapore OR thailand OR timor-leste OR vietnam OR viet-nam OR asean) AND (newborn* OR new-born* OR baby OR babies OR neonat* OR neo-nat* OR infant* OR toddler* OR pre-schooler* OR preschooler* OR kinder OR kinders OR kindergarten* or kinder-aged OR boy OR boys OR girl OR girls OR child OR children OR childhood OR pediatric* OR paediatric* OR adolescence OR youth OR youths OR teen OR teens OR teenage* OR school-age* OR schoolage* OR school-child* OR schoolchild* OR school-girl* OR schoolgirl* OR school-boy* OR schoolboy*) AND (NOTNLM OR publisher[sb] OR inprocess[sb] OR pubmednotmedline[sb] OR indatereview[sb] OR pubstatusaheadofprint)