

1. Literature search strategy

Database: MEDLINE(Ovid)

Search Strategy:

1 ('Rheumatoid arthritis' or 'systemic lupus erythematosus' or 'antiphospholipid syndrome' or (adult adj1 'Still* disease') or (systemic adj1 sclero*) or 'sjogren* syndrome' or 'Sjogren* syndrome' or 'mixed connective tissue disease*' or (relapsing adj1 polychondritis) or 'giant cell arteritis' or (polymyalgia adj1 rheumatic*) or 'Takayasu arteritis' or 'aortic arch syndrome' or 'large vessel vasculitis' or 'ANCA associated vasculitis' or 'Anti Neutrophil Cytoplasmic Antibody Associated Vasculitis' or 'microscopic polyangiitis' or 'granulomatosis with polyangiitis' or 'Wegener granulomatosis' or 'eosinophilic granulomatosis with polyangiitis' or 'polyarteritis nodosa' or 'Behcet* disease' or 'Behcet* Syndrome' or 'anti GBM antibod*' or ('Anti glomerular basement membrane' adj2 antibod*) or cryoglobulinemia* or polymyositis or dermatomyositis or ('inclusion body' adj1 myositis) or 'antisynthetase syndrome' or 'eosinophilic myositis' or ankylosing spondylitis or spondylarthritis or (psoriatic adj1 arthritis) or 'periodic fever syndrome*' or 'Familial Mediterranean Fever' or ('TNF receptor associated' adj2 syndrome) or ('tumor necrosis factor receptor associated' adj2 syndrome) or ('cryopyrin associated' adj2 syndrome*) or 'CINCA syndrome').mp.

2 exp Arthritis, Rheumatoid/ or exp Lupus Erythematosus, Systemic/ or exp Scleroderma, Systemic/ or exp Anti-Neutrophil Cytoplasmic Antibody-Associated Vasculitis/ or exp Spondylarthritis/

3 1 or 2

4 (Influenza or Tetanus or Diphtheria or Pertussis or 'Whooping Cough' or Measles or Mumps or Rubella or Varicella or chickenpox or 'herpes zoster' or shingles or 'human papilloma virus' or 'Wart virus' or Papillomaviridae or 'streptococcus pneumonia*' or pneumonia or 'hepatitis A' or 'hepatitis B' or 'neisseria meningitid*' or 'hemophilus influenza*' or 'Haemophilus influenza*' or ('tick borne' adj1 encephalitis) or 'typhoid fever' or 'yellow fever').mp.

5 exp Measles/ or exp Rubella/ or exp Herpes Zoster/ or exp Papillomaviridae/ or exp Pneumonia/ or exp Hepatitis B/

6 4 or 5

7 3 and 6

8 (prevalence or incidence or epidemiol* or survey or (rapid adj assessment) or (situation* adj assessment) or RAR or cohort).mp.

9 7 and 8

10 limit 9 to ed=20091001-20180816

Database: Embase (Embase.com)

Search Strategy:

1. 'rheumatoid arthritis' OR 'systemic lupus erythematosus' OR 'antiphospholipid syndrome' OR (adult NEAR/1 'still* disease') OR (systemic NEAR/1 sclero*) OR 'sjogren* syndrome' OR 'sjoegren* syndrome' OR 'mixed connective tissue disease*' OR (relapsing NEAR/1 polychondritis) OR 'giant cell arteritis' OR (polymyalgia NEAR/1 rheumatic*) OR 'takayasu arteritis' OR 'aortic arch syndrome' OR 'large vessel vasculitis' OR 'anca associated vasculitis' OR 'anti neutrophil cytoplasmic antibody associated vasculitis' OR 'microscopic polyangiitis' OR 'granulomatosis with polyangiitis' OR 'wegener granulomatosis' OR 'eosinophilic granulomatosis with polyangiitis' OR 'polyarteritis nodosa' OR 'behcet* disease' OR 'behcet* syndrome' OR 'anti gbm antibod*' OR ('anti glomerular basement membrane' NEAR/2 antibod*) OR cryoglobulinemi* OR polymyositis OR dermatomyositis OR ('inclusion body' NEAR/1 myositis) OR 'antisynthetase syndrome' OR 'eosinophilic myositis' OR spondyloarthritis OR (psoriatic NEAR/1 arthritis) OR 'periodic fever syndrome*' OR 'familial mediterranean fever' OR ('tnf receptor associated' NEAR/2 syndrome) OR ('tumor necrosis factor receptor associated' NEAR/2 syndrome) OR ('cryopyrin associated' NEAR/2 syndrome*) OR 'cinca syndrome'
2. 'rheumatoid arthritis'/syn OR 'systemic lupus erythematosus'/syn OR 'antiphospholipid syndrome'/syn OR 'adult onset still disease'/syn OR 'systemic sclerosis'/syn OR 'sjoegren syndrome'/syn OR 'mixed connective tissue disease'/syn OR 'relapsing polychondritis'/syn OR 'giant cell arteritis'/syn OR 'rheumatic polymyalgia'/syn OR 'aortic arch syndrome'/syn OR 'anca associated vasculitis'/syn OR 'microscopic polyangiitis'/syn OR 'wegener granulomatosis'/syn OR 'polyarteritis nodosa'/syn OR 'behcet disease'/syn OR 'cryoglobulinemia'/syn OR 'polymyositis'/syn OR 'dermatomyositis'/syn OR 'inclusion body myositis'/syn OR 'antisynthetase syndrome'/syn OR 'spondylarthritis'/syn OR 'psoriatic arthritis'/syn OR 'familial mediterranean fever'/syn OR 'tumor necrosis factor receptor associated periodic syndrome'/syn OR 'cinca syndrome'/syn
3. #1 OR #2
4. influenza OR tetanus OR diphtheria OR pertussis OR 'whooping cough' OR measles OR mumps OR rubella OR varicella OR chickenpox OR 'herpes zoster' OR shingles OR 'human papilloma virus' OR 'wart virus' OR papillomaviridae OR 'streptococcus pneumonia*' OR pneumonia OR 'hepatitis a' OR 'hepatitis b' OR 'neisseria meningitid*' OR 'hemophilus influenza*' OR 'haemophilus influenza*' OR ('tick borne' NEAR/1 encephalitis) OR 'typhoid fever' OR 'yellow fever'
5. 'influenza'/syn OR 'tetanus'/syn OR 'diphtheria'/syn OR 'pertussis'/syn OR 'measles'/syn OR 'mumps'/syn OR 'rubella'/syn OR 'chickenpox'/syn OR 'herpes zoster'/syn OR 'wart virus'/syn OR 'streptococcus pneumoniae'/syn OR 'pneumonia'/syn OR 'hepatitis a'/syn OR 'hepatitis b'/syn OR 'neisseria meningitidis'/syn OR 'haemophilus influenzae'/syn OR 'tick borne encephalitis'/syn OR 'typhoid fever'/syn OR 'yellow fever'/syn
6. #4 OR #5
7. #3 AND #6
8. prevalence OR incidence OR epidemiology OR survey OR cohort OR 'rapid assessment' OR 'situation assessment' OR 'situational assessment' OR rar OR 'epidemiology'/exp OR

'prevalence'/exp OR 'epidemiological data'/exp OR 'incidence'/exp OR 'observational study'/exp OR 'cohort analysis'/exp

9. #7 AND #8

10. #9 AND [1-10-2009]/sd

Database: Cochrane (Wiley)

Search Strategy:

#1 ("rheumatoid arthritis" OR "systemic lupus erythematosus" OR "antiphospholipid syndrome" OR (adult NEXT still* NEXT disease) OR (systemic NEAR/1 sclero*) OR (sjogren* NEXT syndrome) OR (sjoegren* NEXT syndrome) OR "mixed connective tissue disease" OR (relapsing NEAR/1 polychondritis) OR "giant cell arteritis" OR (polymyalgia NEAR/1 rheumatic*) OR "takayasu arteritis" OR "aortic arch syndrome" OR "large vessel vasculitis" OR "anca associated vasculitis" OR "anti neutrophil cytoplasmic antibody associated vasculitis" OR "microscopic polyangiitis" OR "granulomatosis with polyangiitis" OR "wegener granulomatosis" OR "eosinophilic granulomatosis with polyangiitis" OR "polyarteritis nodosa" OR (behcet* NEXT disease) OR (behcet* NEXT syndrome) OR ("anti gbm" NEXT antibod*) OR ("anti glomerular basement membrane" NEXT/2 antibody*) OR cryoglobulinemi* OR polymyositis OR dermatomyositis OR ("inclusion body" NEAR/1 myositis) OR "antisynthetase syndrome" OR "eosinophilic myositis" OR "ankylosing spondylitis" OR spondyloarthritis OR (psoriatic NEAR/1 arthritis) OR "periodic fever syndrome" OR "familial Mediterranean fever" OR ("tnf receptor associated" NEAR/2 syndrome) OR ("tumor necrosis factor receptor associated" NEAR/2 syndrome) OR ("cryopyrin associated" NEAR/2 syndrome*) OR "cinca syndrome"):ti,ab,kw

#2 (influenza OR tetanus OR diphtheria OR pertussis OR "whooping cough" OR measles OR mumps OR rubella OR varicella OR chickenpox OR "herpes zoster" OR shingles OR "human papilloma virus" OR "wart virus" OR papillomaviridae OR pneumonia* OR "hepatitis a" OR "hepatitis b" OR (neisseria NEXT meningitid*) OR (hemophilus NEXT influenza*) OR (haemophilus NEXT influenza*) OR ("tick borne" NEAR/1 encephalitis) OR "typhoid fever" OR "yellow fever")

#3 (prevalence or incidence or epidemiol* or survey or (rapid NEXT assessment) or (situation* NEXT assessment) or cohort)

#4 #1 AND #2 AND #3 with Cochrane Library publication date between Sep 2009 and Aug 2018, in Cochrane Reviews, Trials