

SUPPLEMENTARY APPENDIX 2: Literature Search Strategies

A. Ovid MEDLINE Search Strategy

Database: Ovid MEDLINE(R) In-Process & Other Non-Indexed Citations and Ovid MEDLINE(R) <1946 to Present>

Search Strategy:

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- 1 Arthritis, Rheumatoid/
 - 2 (rheumatoid adj2 arthriti\$).tw.
 - 3 1 or 2
 - 4 hydroxychloroquine/ or methotrexate/ or sulfasalazine/
 - 5 (hydroxychloroquine\$ or methotrexate\$ or sulfasalazine\$ or sulphasalazine\$ or leflunomide\$).tw.
 - 6 (adalimumab or etanercept or golimumab or certolizumab or infliximab).tw.
 - 7 (tocilizumab or abatacept or rituximab).tw.
 - 8 disease modifying antirheumatic drug\$.tw.
 - 9 (disease modifying anti-rheumatic drug\$ or DMARD\$).tw.
 - 10 exp Receptors, Tumor Necrosis Factor/tu
 - 11 Tumor Necrosis Factor-alpha/tu
 - 12 ((tumor or tumour) adj necrosis factor adj (block\$ or inhibitor\$)).tw.
 - 13 (TNF inhibitor\$ or TNFi).tw.
 - 14 (anti-TNF or anti TNF).tw.
 - 15 or/12-14
 - 16 15 and (tu or dt).fs.
 - 17 exp antibodies, monoclonal/tu
 - 18 (mab ca2 or monoclonal antibod\$ ca2).tw. and (dt or tu).fs.
 - 19 or/4-11,16-18
 - 20 3 and 19
 - 21 (MEDLINE or systematic review).tw. or meta analysis.pt. [McMaster Filter for systematic reviews/meta-analyses
[http://hiru.mcmaster.ca/hiru/HIRU_Hedges_MEDLINE_Strategies.aspx#Reviews]
 - 22 20 and 21
 - 23 (randomized controlled trial or controlled clinical trial).pt. or randomized.ab. or placebo.ab. or clinical trials as topic.sh. or randomly.ab. or trial.ti. [Cochrane Highly Sensitive Search Strategy for identifying randomized trials in MEDLINE: sensitivity- and precision-maximizing version (2008 revision); Ovid format]
 - 24 20 and 23
 - 25 epidemiologic studies/ or exp case control studies/ or exp cohort studies/ or case control.tw. or (cohort adj (study or studies)).tw. or cohort analy\$.tw. or (Follow up adj (study or studies)).tw. or (observational adj (study or studies)).tw. or longitudinal.tw. or retrospective.tw. or cross sectional.tw. or Cross-sectional studies/ [SIGN observational studies filter available on Intertasc website]
 - 26 20 and 25 (2765)
 - 27 (ae or to or co).fs. or (adverse adj (effect\$ or reaction\$ or event\$ or incident\$)).tw. or toxic\$.tw. or ((injurious or undesirable) adj (effect\$ or reaction\$ or event\$ or incident\$)).tw. or safety.tw. or ((drug or chemical\$) adj induced).tw. or extension.tw. or continuation.tw. or follow-on.tw. or (follow-up adj5 trial).tw. or long-term data.ti,ab. [Filter for retrieving harms used in Singh JA, Wells GA, Christensen R, Tanjong Ghogomu E, Maxwell L, MacDonald JK, et al. Adverse effects of biologics: a network meta-analysis and Cochrane overview. Cochrane Database of Systematic Reviews 2011, Issue 2 . Art. No.: CD008794]
 - 28 20 and 27
 - 29 22 or 24 or 26 or 28
 - 30 limit 29 to yr="2009 -Current"
 - 31 adrenal cortex hormones/tu
 - 32 adrenal cortex hormones/ and tu.fs.
 - 33 glucocorticoids/ or dexamethasone/ or exp methylprednisolone/ or prednisolone/ or prednisone/ or cortisone/ or exp hydrocortisone/

- 34 (corticosteroid\$ or glucocorticoid\$ or dexamethasone\$ or methylprednisolone\$ or prednisolone\$ or prednisone\$ or cortisone\$ or hydrocortisone\$).tw.
- 35 (tofacitinib or tasocitinib or Xeljanz or cp690550 or "cp 690550" or "cp 690 550").tw.
- 36 or/31-34
- 37 3 and 36
- 38 37 and 21
- 39 37 and 23
- 40 37 and 25
- 41 37 and 27
- 42 or/38-41
- 43 30 or 42
- 44 limit 43 to "all child (0 to 18 years)"
- 45 43 not 44
- 46 limit 43 to "all adult (19 plus years)"
- 47 45 or 46
- 48 limit 47 to english language

B. PubMed Search Strategy - Mar 3 2014

See #40 below, which is the final search statement

Search	Query
#38	<p>Search (((((((((((Arthritis, Rheumatoid[mh:noexp]) OR rheumatoid arthriti*[Text Word])) AND (((((((((((((((hydroxychloroquine OR methotrexate OR sulfasalazine[MeSH Terms])) OR ((hydroxychloroquine* OR methotrexate* OR sulfasalazine* OR sulphasalazine* OR leflunomide*[Text Word])) OR ((adalimumab OR etanercept OR golimumab OR certolizumab OR infliximab[Text Word])) OR ((tocilizumab OR abatacept OR rituximab[Text Word])) OR disease modifying antirheumatic drug*[Text Word]) OR ((disease modifying anti-rheumatic drug* OR DMARD*[Text Word])) OR Receptors, Tumor Necrosis Factor/tu[MeSH Terms]) OR Tumor Necrosis Factor-alpha/tu[MeSH Terms]) OR tumor necrosis factor block*[Text Word]) OR tumour necrosis factor block*[Text Word]) OR tumor necrosis factor inhibitor*[Text Word]) OR tumour necrosis factor inhibitor*[Text Word]) OR (TNF inhibitor* OR TNFi*[Text Word])) OR anti-TNF agent*) OR anti-TNF drug*) OR antibodies, monoclonal/tu[MeSH Terms]) OR (((mab ca2) OR (monoclonal antibod* AND ca2) AND Text Word)))) AND (((MEDLINE[Text Word]) OR ((systematic AND review[Title/Abstract])) OR meta analysis[Publication Type])) OR (((Arthritis, Rheumatoid[mh:noexp]) OR rheumatoid arthriti*[Text Word])) AND (((((((((((((((hydroxychloroquine OR methotrexate OR sulfasalazine[MeSH Terms])) OR ((hydroxychloroquine* OR methotrexate* OR sulfasalazine* OR sulphasalazine* OR leflunomide*[Text Word])) OR ((adalimumab OR etanercept OR golimumab OR certolizumab OR infliximab[Text Word])) OR ((tocilizumab OR abatacept OR rituximab[Text Word])) OR disease modifying antirheumatic drug*[Text Word]) OR ((disease modifying anti-rheumatic drug* OR DMARD*[Text Word])) OR Receptors, Tumor Necrosis Factor/tu[MeSH Terms]) OR Tumor Necrosis Factor-alpha/tu[MeSH Terms]) OR tumor necrosis factor block*[Text Word]) OR tumour necrosis factor block*[Text Word]) OR tumor necrosis factor inhibitor*[Text Word]) OR tumour necrosis factor inhibitor*[Text Word]) OR (TNF inhibitor* OR TNFi*[Text Word])) OR anti-TNF 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OR (((Arthritis, Rheumatoid[mh:noexp]) OR rheumatoid arthriti*[Text Word])) AND (((((((((((((((hydroxychloroquine OR methotrexate OR sulfasalazine[MeSH Terms])) OR ((hydroxychloroquine* OR methotrexate* OR sulfasalazine* OR sulphasalazine* OR leflunomide*[Text Word])) OR ((adalimumab OR etanercept OR golimumab OR certolizumab OR infliximab[Text Word])) OR ((tocilizumab OR abatacept OR rituximab[Text Word])) OR disease modifying antirheumatic drug*[Text Word]) OR ((disease modifying anti-rheumatic drug* OR DMARD*[Text Word])) OR Receptors, Tumor Necrosis Factor/tu[MeSH Terms]) OR Tumor Necrosis Factor-alpha/tu[MeSH Terms]) OR tumor necrosis factor block*[Text Word]) OR tumour necrosis factor block*[Text Word]) OR tumor necrosis factor inhibitor*[Text Word]) OR tumour necrosis factor inhibitor*[Text Word]) OR (TNF inhibitor* OR TNFi*[Text Word])) OR anti-TNF agent*) OR anti-TNF drug*) OR antibodies, monoclonal/tu[MeSH Terms]) OR (((mab ca2) OR (monoclonal antibod* AND ca2) AND Text 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noxious OR tolerability[Title/Abstract])) OR extension[Title/Abstract]) OR (follow-on OR follow-up[Title/Abstract])) OR long-term data[Title/Abstract])) AND ("2009/01/01"[PDat] : "2014/03/03"[PDat]))) OR (((((((Arthritis, Rheumatoid[mh:noexp]) OR rheumatoid arthriti*[Text Word])) AND (((((((adrenal cortex hormones/tu[MeSH</p>

Search	Query
	<p>Terms]) OR glucocorticoids[MeSH Terms]) OR dexamethasone[MeSH Terms]) OR methylprednisolone[MeSH Terms]) OR prednisolone[MeSH Terms]) OR prednisone[MeSH Terms]) OR cortisone[MeSH Terms]) OR hydrocortisone[MeSH Terms]) OR ((corticosteroid* OR glucocorticoid* OR dexamethasone* OR methylprednisolone* OR prednisolone* OR prednisone* OR cortisone* OR hydrocortisone*[Text Word])) OR ((tofacitinib OR tasocitinib OR Xeljanz OR cp690550 OR "cp 690550" OR "cp 690 550"[Text Word])) AND (((MEDLINE[Text Word]) OR (systematic AND review[Title/Abstract])) OR meta analysis[Publication Type])) OR (((((((Arthritis, Rheumatoid[mh:noexp]) OR rheumatoid arthriti*[Text Word])) AND (((((((adrenal cortex hormones/tu[MeSH Terms]) OR glucocorticoids[MeSH Terms]) OR dexamethasone[MeSH Terms]) OR methylprednisolone[MeSH Terms]) OR prednisolone[MeSH Terms]) OR prednisone[MeSH Terms]) OR cortisone[MeSH Terms]) OR hydrocortisone[MeSH Terms]) OR (corticosteroid* OR glucocorticoid* OR dexamethasone* OR methylprednisolone* OR prednisolone* OR prednisone* OR cortisone* OR hydrocortisone*[Text Word])) OR ((tofacitinib OR tasocitinib OR Xeljanz OR cp690550 OR "cp 690550" OR "cp 690 550"[Text Word])) AND (((((((randomized controlled trial[Publication Type]) OR controlled clinical trial[Publication Type]) OR randomized[Title/Abstract]) OR placebo[Title]) OR drug therapy[MeSH Subheading]) OR randomly[Title/Abstract]) OR trial[Title/Abstract]) OR groups[Title/Abstract])) OR (((Arthritis, Rheumatoid[mh:noexp]) OR rheumatoid arthriti*[Text Word])) AND (((((((adrenal cortex hormones/tu[MeSH Terms]) OR glucocorticoids[MeSH Terms]) OR dexamethasone[MeSH Terms]) OR methylprednisolone[MeSH Terms]) OR prednisolone[MeSH Terms]) OR prednisone[MeSH Terms]) OR cortisone[MeSH Terms]) OR hydrocortisone[MeSH Terms]) OR (corticosteroid* OR glucocorticoid* OR dexamethasone* OR methylprednisolone* OR prednisolone* OR prednisone* OR cortisone* OR hydrocortisone*[Text Word])) OR ((tofacitinib OR tasocitinib OR Xeljanz OR cp690550 OR "cp 690550" OR "cp 690 550"[Text Word])) AND (((((((Case-Control Studies[MeSH Terms]) OR Control Groups[MeSH Terms]) OR (case OR cases) AND AND (control OR controls OR controlled) AND Title/Abstract)) OR ((case OR cases) AND and comparison*[Title/Abstract])) OR ((case OR cases) AND and AND "control group"[Title/Abstract])) OR ("case or cases" AND and AND "control groups"[Title/Abstract])) OR (cohort OR longitudinal OR prospective OR retrospective[Title/Abstract])) OR cohort studies[MeSH Terms]) OR epidemiologic studies[MeSH Terms]) OR observational study[Title/Abstract]) OR observational studies[Title/Abstract])) OR (((Arthritis, Rheumatoid[mh:noexp]) OR rheumatoid arthriti*[Text Word])) AND (((((((adrenal cortex hormones/tu[MeSH Terms]) OR glucocorticoids[MeSH Terms]) OR dexamethasone[MeSH Terms]) OR methylprednisolone[MeSH Terms]) OR prednisolone[MeSH Terms]) OR prednisone[MeSH Terms]) OR cortisone[MeSH Terms]) OR hydrocortisone[MeSH Terms]) OR (corticosteroid* OR glucocorticoid* OR dexamethasone* OR methylprednisolone* OR prednisolone* OR prednisone* OR cortisone* OR hydrocortisone*[Text Word])) OR ((tofacitinib OR tasocitinib OR Xeljanz OR cp690550 OR "cp 690550" OR "cp 690 550"[Text Word])) AND (((((((safe OR safety[Title/Abstract])) OR side effect[Title/Abstract]) OR (adverse effect* OR adverse reaction* OR adverse event* OR adverse outcome*[Title/Abstract])) OR product surveillance, postmarketing[MeSH Terms]) OR adverse drug reaction reporting systems[MeSH Terms]) OR clinical trials, phase iv[MeSH Terms]) OR Clinical Trials, Phase III[MeSH Terms]) OR poisoning[MeSH Terms]) OR drug toxicity[MeSH Terms]) OR abnormalities, drug induced[MeSH Terms]) OR drug monitoring[MeSH Terms]) OR drug hypersensitivity[MeSH Terms]) OR ((undesirable effect* OR undesirable reaction* OR undesirable event* OR undesirable outcome*[Title/Abstract])) OR ((harm* AND effect* OR harm* AND reaction* OR harm* AND event* OR harm* AND outcome*[Title/Abstract])) OR ((serious effect* OR serious reaction* OR serious event* OR serious outcome*[Title/Abstract])) OR ((toxic effect* OR toxic reaction* OR toxic event* OR toxic outcome*[Title/Abstract])) OR ((toxicity OR complication* OR noxious OR tolerability[Title/Abstract])) OR extension[Title/Abstract]) OR ((follow-on OR follow-up[Title/Abstract])) OR long-term data[Title/Abstract]))</p>
#40	<p>Search (((((((((((Arthritis, Rheumatoid[mh:noexp]) OR rheumatoid arthriti*[Text Word])) AND (((((((((((((((hydroxychloroquine OR methotrexate OR sulfasalazine[MeSH Terms])) OR ((hydroxychloroquine* OR methotrexate* OR sulfasalazine* OR sulphasalazine* OR leflunomide*[Text Word])) OR ((adalimumab OR etanercept OR golimumab OR certolizumab OR infliximab[Text Word])) OR ((tocilizumab OR abatacept OR rituximab[Text Word])) OR disease modifying antirheumatic drug*[Text Word]) OR ((disease modifying anti-rheumatic drug* OR DMARD*[Text Word])) OR Receptors, Tumor Necrosis Factor/tu[MeSH Terms]) OR Tumor Necrosis Factor-alpha/tu[MeSH Terms]) OR tumor necrosis factor block*[Text Word]) OR tumour necrosis factor inhibitor*[Text Word]) OR tumour necrosis factor inhibitor*[Text Word]) OR tumour necrosis factor inhibitor*[Text Word]) OR (TNF inhibitor* OR TNFi*[Text Word])) OR anti-TNF agent*) OR anti-TNF drug*) OR antibodies, monoclonal/tu[MeSH Terms]) OR (((mab ca2) OR (monoclonal antibod* AND ca2) AND Text Word)))) AND (((MEDLINE[Text Word]) OR (systematic AND review[Title/Abstract])) OR meta analysis[Publication Type])) OR (((Arthritis, Rheumatoid[mh:noexp]) OR rheumatoid arthriti*[Text Word])) AND (((((((((((((((hydroxychloroquine OR methotrexate OR sulfasalazine[MeSH Terms])) OR ((hydroxychloroquine* OR methotrexate* OR sulfasalazine* OR sulphasalazine* OR leflunomide*[Text Word])) OR ((adalimumab OR etanercept OR golimumab OR certolizumab OR infliximab[Text Word])) OR ((tocilizumab OR abatacept OR rituximab[Text Word])) OR disease modifying antirheumatic drug*[Text Word]) OR ((disease modifying anti-rheumatic drug* OR DMARD*[Text Word])) OR Receptors, Tumor Necrosis Factor/tu[MeSH Terms]) OR Tumor Necrosis Factor-alpha/tu[MeSH Terms]) OR tumor necrosis factor block*[Text Word]) OR tumour necrosis factor inhibitor*[Text Word]) OR tumour necrosis factor inhibitor*[Text Word]) OR (TNF inhibitor* OR TNFi*[Text Word])) OR anti-TNF agent*) OR anti-TNF drug*) OR antibodies, monoclonal/tu[MeSH Terms]) OR (((mab ca2) OR (monoclonal antibod* AND ca2) AND Text Word)))) AND (((((((randomized controlled trial[Publication Type]) OR controlled clinical trial[Publication Type]) OR randomized[Title/Abstract]) OR placebo[Title]) OR drug therapy[MeSH Subheading]) OR randomly[Title/Abstract]) OR trial[Title/Abstract]) OR groups[Title/Abstract])) OR (((Arthritis, Rheumatoid[mh:noexp]) OR</p>

Search	Query
	<p> rheumatoid arthritis[Text Word]) AND (((((((((((((((((((hydroxychloroquine OR methotrexate OR sulfasalazine[MeSH Terms]))) OR ((hydroxychloroquine* OR methotrexate* OR sulfasalazine* OR sulphasalazine* OR leflunomide*[Text Word])) OR ((adalimumab OR etanercept OR golimumab OR certolizumab OR infliximab[Text Word])) OR ((tocilizumab OR abatacept OR rituximab[Text Word])) OR disease modifying antirheumatic drug*[Text Word] OR ((disease modifying anti-rheumatic drug* OR DMARD*[Text Word])) OR Receptors, Tumor Necrosis Factor/tu[MeSH Terms] OR Tumor Necrosis Factor-alpha/tu[MeSH Terms] OR tumor necrosis factor block*[Text Word] OR tumour necrosis factor block*[Text Word] OR tumor necrosis factor inhibitor*[Text Word] OR tumour necrosis factor inhibitor*[Text Word] OR ((TNF inhibitor* OR TNFi*[Text Word])) OR anti-TNF agent*) OR anti-TNF drug*) OR antibodies, monoclonal/tu[MeSH Terms] OR (((mab ca2) OR (monoclonal antibody AND ca2) AND Text Word)))) AND (((((((((((((((((((Case-Control 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Search	Query
	<p>cp690550 OR "cp 690550" OR "cp 690 550"[Text Word])))) AND (((((((((((((((((((safe OR safety[Title/Abstract])))) OR side effect[Title/Abstract]) OR ((adverse effect* OR adverse reaction* OR adverse event* OR adverse outcome*[Title/Abstract])) OR product surveillance, postmarketing[MeSH Terms]) OR adverse drug reaction reporting systems[MeSH Terms]) OR clinical trials, phase iv[MeSH Terms]) OR Clinical Trials, Phase III[MeSH Terms]) OR poisoning[MeSH Terms]) OR drug toxicity[MeSH Terms]) OR abnormalities, drug induced[MeSH Terms]) OR drug monitoring[MeSH Terms]) OR drug hypersensitivity[MeSH Terms]) OR ((undesirable effect* OR undesirable reaction* OR undesirable event* OR undesirable outcome*[Title/Abstract])) OR ((harm* AND effect* OR harm* AND reaction* OR harm* AND event* OR harm* AND outcome*[Title/Abstract])) OR ((serious effect* OR serious reaction* OR serious event* OR serious outcome*[Title/Abstract])) OR ((toxic effect* OR toxic reaction* OR toxic event* OR toxic outcome*[Title/Abstract])) OR ((toxicity OR complication* OR noxious OR tolerability[Title/Abstract])) OR extension[Title/Abstract]) OR ((follow-on OR follow-up[Title/Abstract])) OR long-term data[Title/Abstract])) Filters: English; Adult: 19+ years</p>
#39	<p>Search (((((((((((((((((((Arthritis, Rheumatoid[mh:noexp] OR rheumatoid arthriti*[Text Word]) AND (((((((((((((((((((hydroxychloroquine OR methotrexate OR sulfasalazine[MeSH Terms])) OR ((hydroxychloroquine* OR methotrexate* OR sulfasalazine* OR sulphasalazine* OR leflunomide*[Text Word])) OR ((adalimumab OR etanercept OR golimumab OR certolizumab OR infliximab[Text Word])) OR ((tocilizumab OR abatacept OR rituximab[Text Word])) OR disease modifying antirheumatic drug*[Text Word]) OR ((disease modifying anti-rheumatic drug* OR DMARD*[Text Word])) OR Receptors, Tumor Necrosis Factor/tu[MeSH Terms]) OR Tumor Necrosis Factor-alpha/tu[MeSH Terms]) OR tumor necrosis factor block*[Text Word]) OR tumour necrosis factor block*[Text Word]) OR tumor necrosis factor inhibitor*[Text Word]) OR tumour necrosis factor inhibitor*[Text Word]) OR ((TNF inhibitor* OR TNFi*[Text Word])) OR anti-TNF agent*) OR anti-TNF drug*) OR antibodies, monoclonal/tu[MeSH Terms]) OR (((mab ca2) OR (monoclonal antibod* AND ca2) AND Text Word)))) AND (((MEDLINE[Text Word]) OR ((systematic AND review[Title/Abstract])) OR meta analysis[Publication Type])) OR (((Arthritis, Rheumatoid[mh:noexp] OR rheumatoid arthriti*[Text Word]) AND (((((((((((((((((((hydroxychloroquine OR methotrexate OR sulfasalazine[MeSH Terms])) OR ((hydroxychloroquine* OR methotrexate* OR sulfasalazine* OR sulphasalazine* OR leflunomide*[Text Word])) OR ((adalimumab OR etanercept OR golimumab OR certolizumab OR infliximab[Text Word])) OR ((tocilizumab OR abatacept OR rituximab[Text Word])) OR disease modifying antirheumatic drug*[Text Word]) OR ((disease modifying anti-rheumatic drug* OR DMARD*[Text Word])) OR Receptors, Tumor Necrosis Factor/tu[MeSH Terms]) OR Tumor Necrosis Factor-alpha/tu[MeSH Terms]) OR tumor necrosis factor block*[Text Word]) OR tumour necrosis factor block*[Text Word]) OR tumor necrosis factor inhibitor*[Text Word]) OR tumour necrosis factor inhibitor*[Text Word]) OR ((TNF inhibitor* OR TNFi*[Text Word])) OR anti-TNF agent*) OR anti-TNF drug*) OR antibodies, monoclonal/tu[MeSH Terms]) OR (((mab ca2) OR (monoclonal antibod* AND ca2) AND Text Word)))) AND (((((((((((((((((((randomized controlled trial[Publication Type]) OR controlled clinical trial[Publication Type]) OR randomized[Title/Abstract]) OR placebo[Title]) OR drug therapy[MeSH Subheading]) OR randomly[Title/Abstract]) OR trial[Title/Abstract]) OR groups[Title/Abstract])) OR (((Arthritis, Rheumatoid[mh:noexp] OR rheumatoid arthriti*[Text Word]) AND (((((((((((((((((((hydroxychloroquine OR methotrexate OR sulfasalazine[MeSH Terms])) OR ((hydroxychloroquine* OR methotrexate* OR sulfasalazine* OR sulphasalazine* OR leflunomide*[Text Word])) OR ((adalimumab OR etanercept OR golimumab OR certolizumab OR infliximab[Text Word])) OR ((tocilizumab OR abatacept OR rituximab[Text Word])) OR disease modifying antirheumatic drug*[Text Word]) OR ((disease modifying anti-rheumatic drug* OR DMARD*[Text Word])) OR Receptors, Tumor Necrosis Factor/tu[MeSH Terms]) OR Tumor Necrosis Factor-alpha/tu[MeSH Terms]) OR tumor necrosis factor block*[Text Word]) OR tumour necrosis factor block*[Text Word]) OR tumor necrosis factor inhibitor*[Text Word]) OR tumour necrosis factor inhibitor*[Text Word]) OR ((TNF inhibitor* OR TNFi*[Text Word])) OR anti-TNF agent*) OR anti-TNF drug*) OR antibodies, monoclonal/tu[MeSH Terms]) OR (((mab ca2) OR (monoclonal antibod* AND ca2) AND Text Word)))) AND (((((((((((((((((((Case-Control Studies[MeSH Terms]) OR Control Groups[MeSH Terms]) OR ((case OR cases) AND and AND (control OR controls OR controlled) AND Title/Abstract)) OR (((case OR cases) AND and comparison*[Title/Abstract])) OR (((case OR cases) AND and AND "control group"[Title/Abstract])) OR (("case or cases" AND and AND "control groups"[Title/Abstract])) OR ((cohort OR longitudinal OR prospective OR retrospective[Title/Abstract])) OR cohort studies[MeSH Terms]) OR epidemiologic studies[MeSH Terms]) OR observational 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Terms]) OR (((mab ca2) OR (monoclonal antibod* AND ca2) AND Text Word)))) AND (((((((((((((((((((safe OR safety[Title/Abstract])) OR side effect[Title/Abstract]) OR ((adverse effect* OR adverse reaction* OR adverse event* OR adverse outcome*[Title/Abstract])) OR product surveillance, postmarketing[MeSH Terms]) OR adverse drug reaction reporting systems[MeSH Terms]) OR clinical trials, phase iv[MeSH Terms]) OR Clinical Trials, Phase III[MeSH Terms]) OR poisoning[MeSH Terms]) OR drug toxicity[MeSH Terms]) OR abnormalities, drug induced[MeSH Terms]) OR drug monitoring[MeSH Terms]) OR drug hypersensitivity[MeSH Terms]) OR ((undesirable effect* OR undesirable reaction* OR</p>

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	<p>undesirable event* OR undesirable outcome*[Title/Abstract])) OR ((harm* AND effect* OR harm* AND reaction* OR harm* AND event* OR harm* AND outcome*[Title/Abstract])) OR ((serious effect* OR serious reaction* OR serious event* OR serious outcome*[Title/Abstract])) OR ((toxic effect* OR toxic reaction* OR toxic event* OR toxic outcome*[Title/Abstract])) OR ((toxicity OR complication* OR noxious OR tolerability[Title/Abstract])) OR extension[Title/Abstract] OR ((follow-on OR follow-up[Title/Abstract])) OR long-term data[Title/Abstract])) AND () "2009/01/01"[PDat] : "2014/03/03"[PDat] OR (((((((Arthritis, Rheumatoid[mh:noexp]) OR rheumatoid arthriti*[Text Word])) AND (((((((adrenal cortex hormones/tu[MeSH Terms]) OR glucocorticoids[MeSH Terms]) OR dexamethasone[MeSH Terms]) OR methylprednisolone[MeSH Terms]) OR prednisolone[MeSH Terms]) OR prednisone[MeSH Terms]) OR cortisone[MeSH Terms]) OR hydrocortisone[MeSH Terms]) OR ((corticosteroid* OR glucocorticoid* OR dexamethasone* OR methylprednisolone* OR prednisolone* OR prednisone* OR cortisone* OR hydrocortisone*[Text Word])) OR ((tofacitinib OR tasocitinib OR Xeljanz OR cp690550 OR "cp 690550" OR "cp 690 550"[Text Word]))) AND (((MEDLINE[Text Word]) OR ((systematic AND review[Title/Abstract])) OR meta analysis[Publication Type])) OR (((Arthritis, Rheumatoid[mh:noexp]) OR rheumatoid arthriti*[Text Word])) AND (((((((adrenal cortex hormones/tu[MeSH Terms]) OR glucocorticoids[MeSH Terms]) OR dexamethasone[MeSH Terms]) OR methylprednisolone[MeSH Terms]) OR prednisolone[MeSH Terms]) OR prednisone[MeSH Terms]) OR cortisone[MeSH Terms]) OR hydrocortisone[MeSH Terms]) OR ((corticosteroid* OR glucocorticoid* OR dexamethasone* OR methylprednisolone* OR prednisolone* OR prednisone* OR cortisone* OR hydrocortisone*[Text Word])) OR ((tofacitinib OR tasocitinib OR Xeljanz OR cp690550 OR "cp 690550" OR "cp 690 550"[Text Word]))) AND (((((((randomized controlled trial[Publication Type]) OR controlled clinical trial[Publication Type]) OR randomized[Title/Abstract] OR placebo[Title]) OR drug therapy[MeSH Subheading]) OR randonly[Title/Abstract] OR trial[Title/Abstract] OR groups[Title/Abstract])) OR (((Arthritis, Rheumatoid[mh:noexp]) OR rheumatoid arthriti*[Text Word])) AND (((((((adrenal cortex hormones/tu[MeSH Terms]) OR glucocorticoids[MeSH Terms]) OR dexamethasone[MeSH Terms]) OR methylprednisolone[MeSH Terms]) OR prednisolone[MeSH Terms]) OR prednisone[MeSH Terms]) OR cortisone[MeSH Terms]) OR hydrocortisone[MeSH Terms]) OR ((corticosteroid* OR glucocorticoid* OR dexamethasone* OR methylprednisolone* OR prednisolone* OR prednisone* OR cortisone* OR hydrocortisone*[Text Word])) OR ((tofacitinib OR tasocitinib OR Xeljanz OR cp690550 OR "cp 690550" OR "cp 690 550"[Text Word]))) AND (((((((Case-Control Studies[MeSH Terms]) OR Control Groups[MeSH Terms]) OR ((case OR cases) AND and AND (control OR controls OR controlled) AND Title/Abstract)) OR ((case OR cases) AND and 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(((((((((((((((safe OR safety[Title/Abstract])) OR side effect[Title/Abstract]) OR ((adverse effect* OR adverse reaction* OR adverse event* OR adverse outcome*[Title/Abstract])) OR product surveillance, postmarketing[MeSH Terms]) OR adverse drug reaction reporting systems[MeSH Terms]) OR clinical trials, phase iv[MeSH Terms]) OR Clinical Trials, Phase III[MeSH Terms]) OR poisoning[MeSH Terms]) OR drug toxicity[MeSH Terms]) OR abnormalities, drug induced[MeSH Terms]) OR drug monitoring[MeSH Terms]) OR drug hypersensitivity[MeSH Terms]) OR ((undesirable effect* OR undesirable reaction* OR undesirable event* OR undesirable outcome*[Title/Abstract])) OR ((harm* AND effect* OR harm* AND reaction* OR harm* AND event* OR harm* AND outcome*[Title/Abstract])) OR ((serious effect* OR serious reaction* OR serious event* OR serious outcome*[Title/Abstract])) OR ((toxic effect* OR toxic reaction* OR toxic event* OR toxic outcome*[Title/Abstract])) OR ((toxicity OR complication* OR noxious OR tolerability[Title/Abstract])) OR extension[Title/Abstract] OR ((follow-on OR follow-up[Title/Abstract])) OR long-term data[Title/Abstract])) Filters: Adult: 19+ years</p>
#37	<p>Search (((((((((((Arthritis, Rheumatoid[mh:noexp]) OR rheumatoid arthriti*[Text Word])) AND (((((((((((((((hydroxychloroquine OR methotrexate OR sulfasalazine[MeSH Terms])) OR ((hydroxychloroquine* OR methotrexate* OR sulfasalazine* OR sulphasalazine* OR leflunomide*[Text Word])) OR ((adalimumab OR etanercept OR golimumab OR certolizumab OR infliximab[Text Word])) OR ((tocilizumab OR abatacept OR rituximab[Text Word])) OR disease modifying antirheumatic drug*[Text Word]) OR ((disease modifying anti-rheumatic drug* OR DMARD*[Text Word])) OR Receptors, Tumor Necrosis Factor/tu[MeSH Terms]) OR Tumor Necrosis Factor-alpha/tu[MeSH Terms]) OR tumor necrosis factor block*[Text Word]) OR tumour necrosis factor block*[Text Word]) OR tumor necrosis factor inhibitor*[Text Word]) OR tumour necrosis factor inhibitor*[Text Word]) OR ((TNF inhibitor* OR TNFi*[Text Word])) OR anti-TNF agent*) OR anti-TNF drug*) OR antibodies, monoclonal/tu[MeSH Terms]) OR (((mab ca2) OR (monoclonal antibod* AND ca2) AND Text Word)))) AND (((MEDLINE[Text Word]) OR ((systematic AND review[Title/Abstract])) OR meta analysis[Publication Type])) OR (((Arthritis, Rheumatoid[mh:noexp]) OR rheumatoid arthriti*[Text Word])) AND (((((((((((((((hydroxychloroquine OR methotrexate OR sulfasalazine[MeSH Terms])) OR ((hydroxychloroquine* OR methotrexate* OR sulfasalazine* OR sulphasalazine* OR leflunomide*[Text Word])) OR ((adalimumab OR etanercept OR golimumab OR certolizumab OR infliximab[Text Word])) OR ((tocilizumab OR abatacept OR rituximab[Text Word])) OR disease modifying antirheumatic drug*[Text Word]) OR ((disease</p>

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	<p>modifying anti-rheumatic drug* OR DMARD*[Text Word])) OR Receptors, Tumor Necrosis Factor/tu[MeSH Terms] OR Tumor Necrosis Factor-alpha/tu[MeSH Terms] OR tumor necrosis factor block*[Text Word] OR tumour necrosis factor block*[Text Word] OR tumor necrosis factor inhibitor*[Text Word] OR tumour necrosis factor inhibitor*[Text Word] OR ((TNF inhibitor* OR TNFi*[Text Word])) OR anti-TNF agent*) OR anti-TNF drug*) OR antibodies, monoclonal/tu[MeSH Terms] OR (((mab ca2) OR (monoclonal antibod* AND ca2) AND Text Word)))) AND (((((((randomized controlled trial[Publication Type] OR controlled clinical trial[Publication Type] OR randomized[Title/Abstract] OR placebo[Title] OR drug therapy[MeSH Subheading] OR randomly[Title/Abstract] OR trial[Title/Abstract] OR groups[Title/Abstract])) OR (((Arthritis, Rheumatoid[mh:noexp] OR rheumatoid arthriti*[Text Word])) AND (((((((((((hydroxychloroquine OR methotrexate OR sulfasalazine[MeSH Terms])) OR ((hydroxychloroquine* OR methotrexate* OR sulfasalazine* OR sulphasalazine* OR leflunomide*[Text Word])) OR ((adalimumab OR etanercept OR golimumab OR certolizumab OR infliximab[Text Word])) OR ((tocilizumab OR abatacept OR rituximab[Text Word])) OR disease modifying antirheumatic drug*[Text Word] OR ((disease modifying anti-rheumatic drug* OR DMARD*[Text Word])) OR Receptors, Tumor Necrosis Factor/tu[MeSH Terms] OR Tumor Necrosis Factor-alpha/tu[MeSH Terms] OR tumor necrosis factor block*[Text Word] OR tumour necrosis factor block*[Text Word] OR tumor necrosis factor inhibitor*[Text Word] OR tumour necrosis factor inhibitor*[Text Word] OR ((TNF inhibitor* OR TNFi*[Text Word])) OR anti-TNF agent*) OR anti-TNF drug*) OR antibodies, monoclonal/tu[MeSH Terms] OR (((mab ca2) OR (monoclonal antibod* AND ca2) AND Text Word)))) AND (((((((Case-Control Studies[MeSH Terms] OR Control Groups[MeSH Terms] OR ((case OR cases) AND and AND (control OR controls OR controlled) AND Title/Abstract)) OR ((case OR cases) AND and comparison*[Title/Abstract])) OR (((case OR cases) AND and AND "control group"[Title/Abstract])) OR (("case or cases" AND and AND "control groups"[Title/Abstract])) OR ((cohort OR longitudinal OR prospective OR retrospective[Title/Abstract])) OR cohort studies[MeSH Terms] OR epidemiologic studies[MeSH Terms] OR observational study[Title/Abstract] OR observational studies[Title/Abstract])) OR (((Arthritis, Rheumatoid[mh:noexp] OR rheumatoid arthriti*[Text Word])) AND (((((((((((hydroxychloroquine OR methotrexate OR sulfasalazine[MeSH Terms])) OR ((hydroxychloroquine* OR methotrexate* OR sulfasalazine* OR sulphasalazine* OR leflunomide*[Text Word])) OR ((adalimumab OR etanercept OR golimumab OR certolizumab OR infliximab[Text Word])) OR ((tocilizumab OR abatacept OR rituximab[Text Word])) OR disease modifying antirheumatic drug*[Text Word] OR ((disease modifying anti-rheumatic drug* OR DMARD*[Text Word])) OR Receptors, Tumor Necrosis Factor/tu[MeSH Terms] OR Tumor Necrosis Factor-alpha/tu[MeSH Terms] OR tumor necrosis factor block*[Text Word] OR tumour necrosis factor block*[Text Word] OR tumor necrosis factor inhibitor*[Text Word] OR tumour necrosis factor inhibitor*[Text Word] OR ((TNF inhibitor* OR TNFi*[Text Word])) OR anti-TNF agent*) OR anti-TNF drug*) OR antibodies, monoclonal/tu[MeSH Terms] OR (((mab ca2) OR (monoclonal antibod* AND ca2) AND Text Word)))) AND (((((((((((safe OR safety[Title/Abstract])) OR side effect[Title/Abstract] OR ((adverse effect* OR adverse reaction* OR adverse event* OR adverse outcome*[Title/Abstract])) OR product surveillance, postmarketing[MeSH Terms] OR adverse drug reaction reporting systems[MeSH Terms] OR clinical trials, phase iv[MeSH Terms] OR Clinical Trials, Phase III[MeSH Terms] OR poisoning[MeSH Terms] OR drug toxicity[MeSH Terms] OR abnormalities, drug induced[MeSH Terms] OR drug monitoring[MeSH Terms] OR drug hypersensitivity[MeSH Terms] OR ((undesirable effect* OR undesirable reaction* OR undesirable event* OR undesirable outcome*[Title/Abstract])) OR ((harm* AND effect* OR harm* AND reaction* OR harm* AND event* OR harm* AND outcome*[Title/Abstract])) OR ((serious effect* OR serious reaction* OR serious event* OR serious outcome*[Title/Abstract])) OR ((toxic effect* OR toxic reaction* OR toxic event* OR toxic outcome*[Title/Abstract])) OR ((toxicity OR complication* OR noxious OR tolerability[Title/Abstract])) OR extension[Title/Abstract] OR ((follow-on OR follow-up[Title/Abstract])) OR long-term data[Title/Abstract])) AND ("2009/01/01"[PDat] : "2014/03/03"[PDat]))) OR (((((((Arthritis, Rheumatoid[mh:noexp] OR rheumatoid arthriti*[Text Word])) AND (((((((adrenal cortex hormones/tu[MeSH Terms] OR glucocorticoids[MeSH Terms] OR dexamethasone[MeSH Terms] OR methylprednisolone[MeSH Terms] OR prednisolone[MeSH Terms] OR prednisone[MeSH Terms] OR cortisone[MeSH Terms] OR hydrocortisone[MeSH Terms] OR ((corticosteroid* OR glucocorticoid* OR dexamethasone* OR methylprednisolone* OR prednisolone* OR prednisone* OR cortisone* OR hydrocortisone*[Text Word])) OR ((tofacitinib OR tasocitinib OR Xeljanz OR cp690550 OR "cp 690550" OR "cp 690 550"[Text Word])) AND ((MEDLINE[Text Word] OR ((systematic AND review[Title/Abstract])) OR meta analysis[Publication Type])) OR (((Arthritis, Rheumatoid[mh:noexp] OR rheumatoid arthriti*[Text Word])) AND (((((((adrenal cortex hormones/tu[MeSH Terms] OR glucocorticoids[MeSH Terms] OR dexamethasone[MeSH Terms] OR methylprednisolone[MeSH Terms] OR prednisolone[MeSH Terms] OR prednisone[MeSH Terms] OR cortisone[MeSH Terms] OR hydrocortisone[MeSH Terms] OR ((corticosteroid* OR glucocorticoid* OR dexamethasone* OR methylprednisolone* OR prednisolone* OR prednisone* OR cortisone* OR hydrocortisone*[Text Word])) OR ((tofacitinib OR tasocitinib OR Xeljanz OR cp690550 OR "cp 690550" OR "cp 690 550"[Text Word])) AND (((((((randomized controlled trial[Publication Type] OR controlled clinical trial[Publication Type] OR randomized[Title/Abstract] OR 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group"[Title/Abstract])) OR (("case or cases" AND</p>

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	<p>and AND "control groups"[Title/Abstract])) OR ((cohort OR longitudinal OR prospective OR retrospective[Title/Abstract])) OR cohort studies[MeSH Terms] OR epidemiologic studies[MeSH Terms] OR observational study[Title/Abstract] OR observational studies[Title/Abstract])) OR (((((Arthritis, Rheumatoid[mh:noexp] OR rheumatoid arthriti*[Text Word])) AND (((((((adrenal cortex hormones/tu[MeSH Terms] OR glucocorticoids[MeSH Terms] OR dexamethasone[MeSH Terms] OR methylprednisolone[MeSH Terms] OR prednisolone[MeSH Terms] OR prednisone[MeSH Terms] OR cortisone[MeSH Terms] OR hydrocortisone[MeSH Terms] OR ((corticosteroid* OR glucocorticoid* OR dexamethasone* OR methylprednisolone* OR prednisolone* OR prednisone* OR cortisone* OR hydrocortisone*[Text Word])) OR ((tofacinib OR tasocitinib OR Xeljanz OR cp690550 OR "cp 690550" OR "cp 690 550"[Text Word]))) AND (((((((((((safe OR safety[Title/Abstract])) OR side effect[Title/Abstract] OR ((adverse effect* OR adverse reaction* OR adverse event* OR adverse outcome*[Title/Abstract])) OR product surveillance, postmarketing[MeSH Terms] OR adverse drug reaction reporting systems[MeSH Terms] OR clinical trials, phase iv[MeSH Terms] OR Clinical Trials, Phase III[MeSH Terms] OR poisoning[MeSH Terms] OR drug toxicity[MeSH Terms] OR abnormalities, drug induced[MeSH Terms] OR drug monitoring[MeSH Terms] OR drug hypersensitivity[MeSH Terms] OR ((undesirable effect* OR undesirable reaction* OR undesirable event* OR undesirable outcome*[Title/Abstract])) OR ((harm* AND effect* OR harm* AND reaction* OR harm* AND event* OR harm* AND outcome*[Title/Abstract])) OR ((serious effect* OR serious reaction* OR serious event* OR serious outcome*[Title/Abstract])) OR ((toxic effect* OR toxic reaction* OR toxic event* OR toxic outcome*[Title/Abstract])) OR ((toxicity OR complication* OR noxious OR tolerability[Title/Abstract])) OR extension[Title/Abstract] OR ((follow-on OR follow-up[Title/Abstract])) OR long-term data[Title/Abstract])) Filters: Child: birth-18 years</p>
#36	<p>Search (((((((Arthritis, Rheumatoid[mh:noexp] OR rheumatoid arthriti*[Text Word])) AND (((((((adrenal cortex hormones/tu[MeSH Terms] OR glucocorticoids[MeSH Terms] OR dexamethasone[MeSH Terms] OR methylprednisolone[MeSH Terms] OR prednisolone[MeSH Terms] OR prednisone[MeSH Terms] OR cortisone[MeSH Terms] OR hydrocortisone[MeSH Terms] OR ((corticosteroid* OR glucocorticoid* OR dexamethasone* OR methylprednisolone* OR prednisolone* OR prednisone* OR cortisone* OR hydrocortisone*[Text Word])) OR ((tofacinib OR tasocitinib OR Xeljanz OR cp690550 OR "cp 690550" OR "cp 690 550"[Text Word]))) AND (((MEDLINE[Text Word] OR ((systematic AND review[Title/Abstract])) OR meta analysis[Publication Type])) OR (((Arthritis, Rheumatoid[mh:noexp] OR rheumatoid arthriti*[Text Word])) AND (((((((adrenal cortex hormones/tu[MeSH Terms] OR glucocorticoids[MeSH Terms] OR dexamethasone[MeSH Terms] OR methylprednisolone[MeSH Terms] OR prednisolone[MeSH Terms] OR prednisone[MeSH Terms] OR cortisone[MeSH Terms] OR hydrocortisone[MeSH Terms] OR ((corticosteroid* OR glucocorticoid* OR dexamethasone* OR methylprednisolone* OR prednisolone* OR prednisone* OR cortisone* OR hydrocortisone*[Text Word])) OR ((tofacinib OR tasocitinib OR Xeljanz OR cp690550 OR "cp 690550" OR "cp 690 550"[Text Word]))) AND (((((((randomized controlled trial[Publication Type] OR controlled clinical trial[Publication Type] OR randomized[Title/Abstract] OR placebo[Title] OR drug therapy[MeSH Subheading] OR randomly[Title/Abstract] OR trial[Title/Abstract] OR groups[Title/Abstract])) OR (((Arthritis, Rheumatoid[mh:noexp] OR rheumatoid arthriti*[Text Word])) AND (((((((adrenal cortex hormones/tu[MeSH Terms] OR glucocorticoids[MeSH Terms] OR dexamethasone[MeSH Terms] OR methylprednisolone[MeSH Terms] OR prednisolone[MeSH Terms] OR prednisone[MeSH Terms] OR cortisone[MeSH Terms] OR hydrocortisone[MeSH Terms] OR ((corticosteroid* OR glucocorticoid* OR dexamethasone* OR methylprednisolone* OR prednisolone* OR prednisone* OR cortisone* OR hydrocortisone*[Text Word])) OR ((tofacinib OR tasocitinib OR Xeljanz OR cp690550 OR "cp 690550" OR "cp 690 550"[Text Word]))) AND (((((((Case-Control Studies[MeSH Terms] OR Control Groups[MeSH Terms] OR ((case OR cases) AND and AND (control OR controls OR controlled) AND Title/Abstract)) OR ((case OR cases) AND and comparison*[Title/Abstract])) OR ((case OR cases) AND and AND "control group"[Title/Abstract])) OR ("case or cases" AND and AND "control groups"[Title/Abstract])) OR ((cohort OR longitudinal OR prospective OR retrospective[Title/Abstract])) OR cohort studies[MeSH Terms] OR epidemiologic studies[MeSH Terms] OR observational study[Title/Abstract] OR observational studies[Title/Abstract])) OR (((Arthritis, Rheumatoid[mh:noexp] OR rheumatoid arthriti*[Text Word])) AND (((((((adrenal cortex hormones/tu[MeSH Terms] OR glucocorticoids[MeSH Terms] OR dexamethasone[MeSH Terms] OR methylprednisolone[MeSH Terms] OR prednisolone[MeSH Terms] OR prednisone[MeSH Terms] OR cortisone[MeSH Terms] OR hydrocortisone[MeSH Terms] OR ((corticosteroid* OR glucocorticoid* OR dexamethasone* OR methylprednisolone* OR prednisolone* OR prednisone* OR cortisone* OR hydrocortisone*[Text Word])) OR ((tofacinib OR tasocitinib OR Xeljanz OR cp690550 OR "cp 690550" OR "cp 690 550"[Text Word]))) AND (((((((((((safe OR safety[Title/Abstract])) OR side effect[Title/Abstract] OR ((adverse effect* OR adverse reaction* OR adverse event* OR adverse outcome*[Title/Abstract])) OR product surveillance, postmarketing[MeSH Terms] OR adverse drug reaction reporting systems[MeSH Terms] OR clinical trials, phase iv[MeSH Terms] OR Clinical Trials, Phase III[MeSH Terms] OR poisoning[MeSH Terms] OR drug toxicity[MeSH Terms] OR abnormalities, drug induced[MeSH Terms] OR drug monitoring[MeSH Terms] OR drug hypersensitivity[MeSH Terms] OR ((undesirable effect* OR undesirable reaction* OR undesirable event* OR undesirable outcome*[Title/Abstract])) OR ((harm* AND effect* OR harm* AND reaction* OR harm* AND event* OR harm* AND outcome*[Title/Abstract])) OR ((serious effect* OR serious reaction* OR serious event* OR serious outcome*[Title/Abstract])) OR ((toxic effect* OR toxic reaction* OR toxic event* OR toxic outcome*[Title/Abstract])) OR ((toxicity OR complication* OR noxious OR tolerability[Title/Abstract])) OR extension[Title/Abstract] OR ((follow-on OR follow-up[Title/Abstract])) OR long-term data[Title/Abstract]))</p>

Search	Query
#35	Search (((((Arthritis, Rheumatoid[mh:noexp] OR rheumatoid arthriti*[Text Word])) AND (((((((adrenal cortex hormones/tu[MeSH Terms] OR glucocorticoids[MeSH Terms] OR dexamethasone[MeSH Terms] OR methylprednisolone[MeSH Terms] OR prednisolone[MeSH Terms] OR prednisone[MeSH Terms] OR cortisone[MeSH Terms] OR hydrocortisone[MeSH Terms] OR ((corticosteroid* OR glucocorticoid* OR dexamethasone* OR methylprednisolone* OR prednisolone* OR prednisone* OR cortisone* OR hydrocortisone*[Text Word]))) OR ((tofacinib OR tasocitinib OR Xeljanz OR cp690550 OR "cp 690550" OR "cp 690 550"[Text Word]))) AND (((((((((((safe OR safety[Title/Abstract])) OR side effect[Title/Abstract] OR ((adverse effect* OR adverse reaction* OR adverse event* OR adverse outcome*[Title/Abstract])) OR product surveillance, postmarketing[MeSH Terms] OR adverse drug reaction reporting systems[MeSH Terms] OR clinical trials, phase iv[MeSH Terms] OR Clinical Trials, Phase III[MeSH Terms] OR poisoning[MeSH Terms] OR drug toxicity[MeSH Terms] OR abnormalities, drug induced[MeSH Terms] OR drug monitoring[MeSH Terms] OR drug hypersensitivity[MeSH Terms] OR ((undesirable effect* OR undesirable reaction* OR undesirable event* OR undesirable outcome*[Title/Abstract])) OR ((harm* AND effect* OR harm* AND reaction* OR harm* AND event* OR harm* AND outcome*[Title/Abstract])) OR ((serious effect* OR serious reaction* OR serious event* OR serious outcome*[Title/Abstract])) OR ((toxic effect* OR toxic reaction* OR toxic event* OR toxic outcome*[Title/Abstract])) OR ((toxicity OR complication* OR noxious OR tolerability[Title/Abstract])) OR extension[Title/Abstract] OR ((follow-on OR follow-up[Title/Abstract])) OR long-term data[Title/Abstract])))))))
#34	Search (((((Arthritis, Rheumatoid[mh:noexp] OR rheumatoid arthriti*[Text Word])) AND (((((((adrenal cortex hormones/tu[MeSH Terms] OR glucocorticoids[MeSH Terms] OR dexamethasone[MeSH Terms] OR methylprednisolone[MeSH Terms] OR prednisolone[MeSH Terms] OR prednisone[MeSH Terms] OR cortisone[MeSH Terms] OR hydrocortisone[MeSH Terms] OR ((corticosteroid* OR glucocorticoid* OR dexamethasone* OR methylprednisolone* OR prednisolone* OR prednisone* OR cortisone* OR hydrocortisone*[Text Word]))) OR ((tofacinib OR tasocitinib OR Xeljanz OR cp690550 OR "cp 690550" OR "cp 690 550"[Text Word]))) AND (((((((Case-Control Studies[MeSH Terms] OR Control Groups[MeSH Terms] OR ((case OR cases) AND and AND (control OR controls OR controlled) AND Title/Abstract))) OR ((case OR cases) AND and comparison*[Title/Abstract])) OR ((case OR cases) AND and AND "control group"[Title/Abstract])) OR ("case or cases" AND and AND "control groups"[Title/Abstract])) OR ((cohort OR longitudinal OR prospective OR retrospective[Title/Abstract])) OR cohort studies[MeSH Terms] OR epidemiologic studies[MeSH Terms] OR observational study[Title/Abstract] OR observational studies[Title/Abstract])))))))
#33	Search (((((Arthritis, Rheumatoid[mh:noexp] OR rheumatoid arthriti*[Text Word])) AND (((((((adrenal cortex hormones/tu[MeSH Terms] OR glucocorticoids[MeSH Terms] OR dexamethasone[MeSH Terms] OR methylprednisolone[MeSH Terms] OR prednisolone[MeSH Terms] OR prednisone[MeSH Terms] OR cortisone[MeSH Terms] OR hydrocortisone[MeSH Terms] OR ((corticosteroid* OR glucocorticoid* OR dexamethasone* OR methylprednisolone* OR prednisolone* OR prednisone* OR cortisone* OR hydrocortisone*[Text Word]))) OR ((tofacinib OR tasocitinib OR Xeljanz OR cp690550 OR "cp 690550" OR "cp 690 550"[Text Word]))) AND (((((((randomized controlled trial[Publication Type] OR controlled clinical trial[Publication Type] OR randomized[Title/Abstract] OR placebo[Title] OR drug therapy[MeSH Subheading] OR randomly[Title/Abstract] OR trial[Title/Abstract] OR groups[Title/Abstract])))))))
#32	Search (((((Arthritis, Rheumatoid[mh:noexp] OR rheumatoid arthriti*[Text Word])) AND (((((((adrenal cortex hormones/tu[MeSH Terms] OR glucocorticoids[MeSH Terms] OR dexamethasone[MeSH Terms] OR methylprednisolone[MeSH Terms] OR prednisolone[MeSH Terms] OR prednisone[MeSH Terms] OR cortisone[MeSH Terms] OR hydrocortisone[MeSH Terms] OR ((corticosteroid* OR glucocorticoid* OR dexamethasone* OR methylprednisolone* OR prednisolone* OR prednisone* OR cortisone* OR hydrocortisone*[Text Word]))) OR ((tofacinib OR tasocitinib OR Xeljanz OR cp690550 OR "cp 690550" OR "cp 690 550"[Text Word]))) AND (((MEDLINE[Text Word] OR ((systematic AND review[Title/Abstract])) OR meta analysis[Publication Type])))))))
#31	Search (((Arthritis, Rheumatoid[mh:noexp] OR rheumatoid arthriti*[Text Word])) AND (((((((adrenal cortex hormones/tu[MeSH Terms] OR glucocorticoids[MeSH Terms] OR dexamethasone[MeSH Terms] OR methylprednisolone[MeSH Terms] OR prednisolone[MeSH Terms] OR prednisone[MeSH Terms] OR cortisone[MeSH Terms] OR hydrocortisone[MeSH Terms] OR ((corticosteroid* OR glucocorticoid* OR dexamethasone* OR methylprednisolone* OR prednisolone* OR prednisone* OR cortisone* OR hydrocortisone*[Text Word]))) OR ((tofacinib OR tasocitinib OR Xeljanz OR cp690550 OR "cp 690550" OR "cp 690 550"[Text Word])))
#30	Search (((((((adrenal cortex hormones/tu[MeSH Terms] OR glucocorticoids[MeSH Terms] OR dexamethasone[MeSH Terms] OR methylprednisolone[MeSH Terms] OR prednisolone[MeSH Terms] OR prednisone[MeSH Terms] OR cortisone[MeSH Terms] OR hydrocortisone[MeSH Terms] OR ((corticosteroid* OR glucocorticoid* OR dexamethasone* OR methylprednisolone* OR prednisolone* OR prednisone* OR cortisone* OR hydrocortisone*[Text Word]))) OR ((tofacinib OR

Search	Query
	tasocitinib OR Xeljanz OR cp690550 OR "cp 690550" OR "cp 690 550"[Text Word])
#28	<p>Search (((((((Arthritis, Rheumatoid[mh:noexp] OR rheumatoid arthriti*[Text Word])) AND (((((((((((((((hydroxychloroquine OR methotrexate OR sulfasalazine[MeSH Terms])) OR ((hydroxychloroquine* OR methotrexate* OR sulfasalazine* OR sulphasalazine* OR leflunomide*[Text Word])) OR ((adalimumab OR etanercept OR golimumab OR certolizumab OR infliximab[Text Word])) OR ((tocilizumab OR abatacept OR rituximab[Text Word])) OR disease modifying antirheumatic drug*[Text Word]) OR ((disease modifying anti-rheumatic drug* OR DMARD*[Text Word])) OR Receptors, Tumor Necrosis Factor/tu[MeSH Terms]) OR Tumor Necrosis Factor-alpha/tu[MeSH Terms]) OR tumor necrosis factor block*[Text Word]) OR tumour necrosis factor block*[Text Word]) OR tumor necrosis factor inhibitor*[Text Word]) OR tumour necrosis factor inhibitor*[Text Word]) OR ((TNF inhibitor* OR TNFi*[Text Word])) OR anti-TNF agent*) OR anti-TNF drug*) OR antibodies, monoclonal/tu[MeSH Terms]) OR (((mab ca2) OR (monoclonal antibod* AND ca2) AND Text Word)))) AND (((MEDLINE[Text Word]) OR ((systematic AND review[Title/Abstract])) OR meta analysis[Publication Type])) OR (((Arthritis, Rheumatoid[mh:noexp] OR rheumatoid arthriti*[Text Word])) AND (((((((((((((((hydroxychloroquine OR methotrexate OR sulfasalazine[MeSH Terms])) OR ((hydroxychloroquine* OR methotrexate* OR sulfasalazine* OR sulphasalazine* OR leflunomide*[Text Word])) OR ((adalimumab OR etanercept OR golimumab OR certolizumab OR infliximab[Text Word])) OR ((tocilizumab OR abatacept OR rituximab[Text Word])) OR disease modifying antirheumatic drug*[Text Word]) OR ((disease modifying anti-rheumatic drug* OR DMARD*[Text Word])) OR Receptors, Tumor Necrosis Factor/tu[MeSH Terms]) OR Tumor Necrosis Factor-alpha/tu[MeSH Terms]) OR tumour necrosis factor block*[Text Word]) OR tumour necrosis factor block*[Text Word]) OR tumor necrosis factor inhibitor*[Text Word]) OR tumour necrosis factor inhibitor*[Text Word]) OR ((TNF inhibitor* OR TNFi*[Text Word])) OR anti-TNF agent*) OR anti-TNF drug*) OR antibodies, monoclonal/tu[MeSH Terms]) OR (((mab ca2) OR (monoclonal antibod* AND ca2) AND Text Word)))) AND (((((((randomized controlled trial[Publication Type]) OR controlled clinical trial[Publication Type]) OR randomized[Title/Abstract]) OR placebo[Title]) OR drug therapy[MeSH Subheading]) OR randomly[Title/Abstract]) OR trial[Title/Abstract]) OR groups[Title/Abstract])) OR (((Arthritis, Rheumatoid[mh:noexp] OR rheumatoid arthriti*[Text Word])) AND (((((((((((((((hydroxychloroquine OR methotrexate OR sulfasalazine[MeSH Terms])) OR ((hydroxychloroquine* OR methotrexate* OR sulfasalazine* OR sulphasalazine* OR leflunomide*[Text Word])) OR ((adalimumab OR etanercept OR golimumab OR certolizumab OR infliximab[Text Word])) OR ((tocilizumab OR abatacept OR rituximab[Text Word])) OR disease modifying antirheumatic drug*[Text Word]) OR ((disease modifying anti-rheumatic drug* OR DMARD*[Text Word])) OR Receptors, Tumor Necrosis Factor/tu[MeSH Terms]) OR Tumor Necrosis Factor-alpha/tu[MeSH Terms]) OR tumour necrosis factor block*[Text Word]) OR tumour necrosis factor block*[Text Word]) OR tumor necrosis factor inhibitor*[Text Word]) OR tumour necrosis factor inhibitor*[Text Word]) OR ((TNF inhibitor* OR TNFi*[Text Word])) OR anti-TNF agent*) OR anti-TNF drug*) OR antibodies, monoclonal/tu[MeSH Terms]) OR (((mab ca2) OR (monoclonal antibod* AND ca2) AND Text Word)))) AND (((((((Case-Control Studies[MeSH Terms]) OR Control Groups[MeSH Terms]) OR ((case OR cases) AND and AND (control OR controls OR controlled) AND Title/Abstract)) OR (((case OR cases) AND and comparison*[Title/Abstract])) OR (((case OR cases) AND and AND "control group"[Title/Abstract])) OR ((("case or cases" AND and AND "control groups"[Title/Abstract])) OR ((cohort OR longitudinal OR prospective OR retrospective[Title/Abstract])) OR cohort studies[MeSH Terms]) OR epidemiologic studies[MeSH Terms]) OR observational study[Title/Abstract]) OR observational studies[Title/Abstract])) OR (((Arthritis, Rheumatoid[mh:noexp] OR rheumatoid arthriti*[Text Word])) AND (((((((((((((((hydroxychloroquine OR methotrexate OR sulfasalazine[MeSH Terms])) OR ((hydroxychloroquine* OR methotrexate* OR sulfasalazine* OR sulphasalazine* OR leflunomide*[Text Word])) OR ((adalimumab OR etanercept OR golimumab OR certolizumab OR infliximab[Text Word])) OR ((tocilizumab OR abatacept OR rituximab[Text Word])) OR disease modifying antirheumatic drug*[Text Word]) OR ((disease modifying anti-rheumatic drug* OR DMARD*[Text Word])) OR Receptors, Tumor Necrosis Factor/tu[MeSH Terms]) OR Tumor Necrosis Factor-alpha/tu[MeSH Terms]) OR tumor necrosis factor block*[Text Word]) OR tumour necrosis factor block*[Text Word]) OR tumor necrosis factor inhibitor*[Text Word]) OR tumour necrosis factor inhibitor*[Text Word]) OR ((TNF inhibitor* OR TNFi*[Text Word])) OR anti-TNF agent*) OR anti-TNF drug*) OR antibodies, monoclonal/tu[MeSH Terms]) OR (((mab ca2) OR (monoclonal antibod* AND ca2) AND Text Word)))) AND (((((((((((((((safe OR safety[Title/Abstract])) OR side effect[Title/Abstract]) OR ((adverse effect* OR adverse reaction* OR adverse event* OR adverse outcome*[Title/Abstract])) OR product surveillance, postmarketing[MeSH Terms]) OR adverse drug reaction reporting systems[MeSH Terms]) OR clinical trials, phase iv[MeSH Terms]) OR Clinical Trials, Phase III[MeSH Terms]) OR poisoning[MeSH Terms]) OR drug toxicity[MeSH Terms]) OR abnormalities, drug induced[MeSH Terms]) OR drug monitoring[MeSH Terms]) OR drug hypersensitivity[MeSH Terms]) OR ((undesirable effect* OR undesirable reaction* OR undesirable event* OR undesirable outcome*[Title/Abstract])) OR ((harm* AND effect* OR harm* AND reaction* OR harm* AND event* OR harm* AND outcome*[Title/Abstract])) OR ((serious effect* OR serious reaction* OR serious event* OR serious outcome*[Title/Abstract])) OR ((toxic effect* OR toxic reaction* OR toxic event* OR toxic outcome*[Title/Abstract])) OR ((toxicity OR complication* OR noxious OR tolerability[Title/Abstract])) OR extension[Title/Abstract]) OR ((follow-on OR follow-up[Title/Abstract])) OR long-term data[Title/Abstract]))</p>
#29	<p>Search (((((((Arthritis, Rheumatoid[mh:noexp] OR rheumatoid arthriti*[Text Word])) AND (((((((((((((((hydroxychloroquine OR methotrexate OR sulfasalazine[MeSH Terms])) OR ((hydroxychloroquine* OR methotrexate* OR sulfasalazine* OR sulphasalazine* OR leflunomide*[Text Word])) OR ((adalimumab OR etanercept OR golimumab OR certolizumab OR infliximab[Text Word])) OR ((tocilizumab OR abatacept OR rituximab[Text Word])) OR disease modifying antirheumatic</p>

Search	Query
	<p>drug*[Text Word] OR ((disease modifying anti-rheumatic drug* OR DMARD*[Text Word])) OR Receptors, Tumor Necrosis Factor/tu[MeSH Terms] OR Tumor Necrosis Factor-alpha/tu[MeSH Terms] OR tumor necrosis factor block*[Text Word] OR tumour necrosis factor block*[Text Word] OR tumor necrosis factor inhibitor*[Text Word] OR tumour necrosis factor inhibitor*[Text Word] OR (TNF inhibitor* OR TNFi*[Text Word])) OR anti-TNF agent* OR anti-TNF drug* OR antibodies, monoclonal/tu[MeSH Terms] OR (((mab ca2) OR (monoclonal antibod* AND ca2) AND Text Word)))) AND (((MEDLINE[Text Word] OR ((systematic AND review[Title/Abstract])) OR meta analysis[Publication Type])) OR (((Arthritis, Rheumatoid[mh:noexp] OR rheumatoid arthriti*[Text Word])) AND (((((((((((((((hydroxychloroquine OR methotrexate OR sulfasalazine* OR leflunomide*[Text Word])) OR ((adalimumab OR etanercept OR golimumab OR certolizumab OR infliximab[Text Word])) OR ((tocilizumab OR abatacept OR rituximab[Text Word])) OR disease modifying antirheumatic drug*[Text Word] OR ((disease modifying anti-rheumatic drug* OR DMARD*[Text Word])) OR Receptors, Tumor Necrosis Factor/tu[MeSH Terms] OR Tumor Necrosis Factor-alpha/tu[MeSH Terms] OR tumor necrosis factor block*[Text Word] OR tumour necrosis factor block*[Text Word] OR tumor necrosis factor inhibitor*[Text Word] OR tumour necrosis factor inhibitor*[Text Word] OR (TNF inhibitor* OR TNFi*[Text Word])) OR anti-TNF agent* OR anti-TNF drug* OR antibodies, monoclonal/tu[MeSH Terms] OR (((mab ca2) OR (monoclonal antibod* AND ca2) AND Text Word)))) AND (((((((randomized controlled trial[Publication Type] OR controlled clinical trial[Publication Type] OR randomized[Title/Abstract] OR placebo[Title] OR drug therapy[MeSH Subheading] OR randomly[Title/Abstract] OR trial[Title/Abstract] OR groups[Title/Abstract])) OR (((Arthritis, Rheumatoid[mh:noexp] OR rheumatoid arthriti*[Text Word])) AND (((((((((((((((hydroxychloroquine OR methotrexate OR sulfasalazine[MeSH Terms])) OR ((hydroxychloroquine* OR methotrexate* OR sulfasalazine* OR sulphasalazine* OR leflunomide*[Text Word])) OR ((adalimumab OR etanercept OR golimumab OR certolizumab OR infliximab[Text Word])) OR ((tocilizumab OR abatacept OR rituximab[Text Word])) OR disease modifying antirheumatic drug*[Text Word] OR ((disease modifying anti-rheumatic drug* OR DMARD*[Text Word])) OR Receptors, Tumor Necrosis Factor/tu[MeSH Terms] OR Tumor Necrosis Factor-alpha/tu[MeSH Terms] OR tumor necrosis factor block*[Text Word] OR tumour necrosis factor block*[Text Word] OR tumor necrosis factor inhibitor*[Text Word] OR tumour necrosis factor inhibitor*[Text Word] OR (TNF inhibitor* OR TNFi*[Text Word])) OR anti-TNF agent* OR anti-TNF drug* OR antibodies, monoclonal/tu[MeSH Terms] OR (((mab ca2) OR (monoclonal antibod* AND ca2) AND Text Word)))) AND (((((((Case-Control Studies[MeSH Terms] OR Control Groups[MeSH Terms] OR (case OR cases) AND and AND (control OR controls OR controlled) AND Title/Abstract))) OR (((case OR cases) AND and comparison*[Title/Abstract])) OR (((case OR cases) AND and AND "control group"[Title/Abstract])) OR ("case or cases" AND and AND "control groups"[Title/Abstract])) OR ((cohort OR longitudinal OR prospective OR retrospective[Title/Abstract])) OR cohort studies[MeSH Terms] OR epidemiologic studies[MeSH Terms] OR observational study[Title/Abstract] OR observational studies[Title/Abstract])) OR (((Arthritis, Rheumatoid[mh:noexp] OR rheumatoid arthriti*[Text Word])) AND (((((((((((((((hydroxychloroquine OR methotrexate OR sulfasalazine[MeSH Terms])) OR ((hydroxychloroquine* OR methotrexate* OR sulfasalazine* OR sulphasalazine* OR leflunomide*[Text Word])) OR ((adalimumab OR etanercept OR golimumab OR certolizumab OR infliximab[Text Word])) OR ((tocilizumab OR abatacept OR rituximab[Text Word])) OR disease modifying antirheumatic drug*[Text Word] OR ((disease modifying anti-rheumatic drug* OR DMARD*[Text Word])) OR Receptors, Tumor Necrosis Factor/tu[MeSH Terms] OR Tumor Necrosis Factor-alpha/tu[MeSH Terms] OR tumor necrosis factor block*[Text Word] OR tumour necrosis factor block*[Text Word] OR tumor necrosis factor inhibitor*[Text Word] OR tumour necrosis factor inhibitor*[Text Word] OR (TNF inhibitor* OR TNFi*[Text Word])) OR anti-TNF agent* OR anti-TNF drug* OR antibodies, monoclonal/tu[MeSH Terms] OR (((mab ca2) OR (monoclonal antibod* AND ca2) AND Text Word)))) AND (((((((((((((((safe OR safety[Title/Abstract])) OR side effect[Title/Abstract] OR (adverse effect* OR adverse reaction* OR adverse event* OR adverse outcome*[Title/Abstract])) OR product surveillance, postmarketing[MeSH Terms] OR adverse drug reaction reporting systems[MeSH Terms] OR clinical trials, phase iv[MeSH Terms] OR Clinical Trials, Phase III[MeSH Terms] OR poisoning[MeSH Terms] OR drug toxicity[MeSH Terms] OR abnormalities, drug induced[MeSH Terms] OR drug monitoring[MeSH Terms] OR drug hypersensitivity[MeSH Terms] OR ((undesirable effect* OR undesirable reaction* OR undesirable event* OR undesirable outcome*[Title/Abstract])) OR ((harm* AND effect* OR harm* AND reaction* OR harm* AND event* OR harm* AND outcome*[Title/Abstract])) OR ((serious effect* OR serious reaction* OR serious event* OR serious outcome*[Title/Abstract])) OR ((toxic effect* OR toxic reaction* OR toxic event* OR toxic outcome*[Title/Abstract])) OR ((toxicity OR complication* OR noxious OR tolerability[Title/Abstract])) OR extension[Title/Abstract] OR ((follow-on OR follow-up[Title/Abstract])) OR long-term data[Title/Abstract])) Filters: Publication date from 2009/01/01 to 2014/03/03</p>
#27	<p>Search (((Arthritis, Rheumatoid[mh:noexp] OR rheumatoid arthriti*[Text Word])) AND (((((((((((((((hydroxychloroquine OR methotrexate OR sulfasalazine[MeSH Terms])) OR ((hydroxychloroquine* OR methotrexate* OR sulfasalazine* OR sulphasalazine* OR leflunomide*[Text Word])) OR ((adalimumab OR etanercept OR golimumab OR certolizumab OR infliximab[Text Word])) OR ((tocilizumab OR abatacept OR rituximab[Text Word])) OR disease modifying antirheumatic drug*[Text Word] OR ((disease modifying anti-rheumatic drug* OR DMARD*[Text Word])) OR Receptors, Tumor Necrosis Factor/tu[MeSH Terms] OR Tumor Necrosis Factor-alpha/tu[MeSH Terms] OR tumor necrosis factor block*[Text Word] OR tumour necrosis factor block*[Text Word] OR tumor necrosis factor inhibitor*[Text Word] OR tumour necrosis factor inhibitor*[Text Word] OR (TNF inhibitor* OR TNFi*[Text Word])) OR anti-TNF agent* OR anti-TNF drug* OR antibodies, monoclonal/tu[MeSH Terms] OR (((mab ca2) OR (monoclonal antibod* AND ca2) AND Text Word)))) AND (((((((((((((((safe OR safety[Title/Abstract])) OR side effect[Title/Abstract] OR (adverse effect* OR adverse reaction* OR adverse event* OR</p>

Search	Query
	<p>adverse outcome*[Title/Abstract])) OR product surveillance, postmarketing[MeSH Terms]) OR adverse drug reaction reporting systems[MeSH Terms]) OR clinical trials, phase iv[MeSH Terms]) OR Clinical Trials, Phase III[MeSH Terms]) OR poisoning[MeSH Terms]) OR drug toxicity[MeSH Terms]) OR abnormalities, drug induced[MeSH Terms]) OR drug monitoring[MeSH Terms]) OR drug hypersensitivity[MeSH Terms]) OR ((undesirable effect* OR undesirable reaction* OR undesirable event* OR undesirable outcome*[Title/Abstract])) OR ((harm* AND effect* OR harm* AND reaction* OR harm* AND event* OR harm* AND outcome*[Title/Abstract])) OR ((serious effect* OR serious reaction* OR serious event* OR serious outcome*[Title/Abstract])) OR ((toxic effect* OR toxic reaction* OR toxic event* OR toxic outcome*[Title/Abstract])) OR ((toxicity OR complication* OR noxious OR tolerability[Title/Abstract])) OR extension[Title/Abstract]) OR ((follow-on OR follow-up[Title/Abstract])) OR long-term data[Title/Abstract])</p>
#26	<p>Search (((((((((((((((safe OR safety[Title/Abstract])) OR side effect[Title/Abstract]) OR ((adverse effect* OR adverse reaction* OR adverse event* OR adverse outcome*[Title/Abstract])) OR product surveillance, postmarketing[MeSH Terms]) OR adverse drug reaction reporting systems[MeSH Terms]) OR clinical trials, phase iv[MeSH Terms]) OR Clinical Trials, Phase III[MeSH Terms]) OR poisoning[MeSH Terms]) OR drug toxicity[MeSH Terms]) OR abnormalities, drug induced[MeSH Terms]) OR drug monitoring[MeSH Terms]) OR drug hypersensitivity[MeSH Terms]) OR ((undesirable effect* OR undesirable reaction* OR undesirable event* OR undesirable outcome*[Title/Abstract])) OR ((harm* AND effect* OR harm* AND reaction* OR harm* AND event* OR harm* AND outcome*[Title/Abstract])) OR ((serious effect* OR serious reaction* OR serious event* OR serious outcome*[Title/Abstract])) OR ((toxic effect* OR toxic reaction* OR toxic event* OR toxic outcome*[Title/Abstract])) OR ((toxicity OR complication* OR noxious OR tolerability[Title/Abstract])) OR extension[Title/Abstract]) OR ((follow-on OR follow-up[Title/Abstract])) OR long-term data[Title/Abstract]</p>
#25	<p>Search (((((Arthritis, Rheumatoid[mh:noexp]) OR rheumatoid arthritis*[Text Word])) AND (((((((((((((((hydroxychloroquine OR methotrexate OR sulfasalazine[MeSH Terms])) OR ((hydroxychloroquine* OR methotrexate* OR sulfasalazine* OR sulphasalazine* OR leflunomide*[Text Word])) OR ((adalimumab OR etanercept OR golimumab OR certolizumab OR infliximab[Text Word])) OR ((tocilizumab OR abatacept OR rituximab[Text Word])) OR disease modifying antirheumatic drug*[Text Word]) OR ((disease modifying anti-rheumatic drug* OR DMARD*[Text Word])) OR Receptors, Tumor Necrosis Factor/tu[MeSH Terms]) OR Tumor Necrosis Factor-alpha/tu[MeSH Terms]) OR tumor necrosis factor block*[Text Word]) OR tumour necrosis factor block*[Text Word]) OR tumor necrosis factor inhibitor*[Text Word]) OR tumour necrosis factor inhibitor*[Text Word]) OR ((TNF inhibitor* OR TNFi*[Text Word])) OR anti-TNF agent*) OR anti-TNF drug*) OR antibodies, monoclonal/tu[MeSH Terms]) OR (((mab ca2) OR (monoclonal antibod* AND ca2) AND Text Word)))) AND (((((((Case-Control Studies[MeSH Terms]) OR Control Groups[MeSH Terms]) OR ((case OR cases) AND and AND (control OR controls OR controlled) AND Title/Abstract))) OR (((case OR cases) AND and comparison*[Title/Abstract])) OR (((case OR cases) AND and "control group"[Title/Abstract])) OR ((("case or cases" AND and AND "control groups"[Title/Abstract])) OR ((cohort OR longitudinal OR prospective OR retrospective[Title/Abstract])) OR cohort studies[MeSH Terms]) OR epidemiologic studies[MeSH Terms]) OR observational study[Title/Abstract]) OR observational studies[Title/Abstract]</p>
#24	<p>Search (((((((Case-Control Studies[MeSH Terms]) OR Control Groups[MeSH Terms]) OR ((case OR cases) AND and AND (control OR controls OR controlled) AND Title/Abstract))) OR (((case OR cases) AND and comparison*[Title/Abstract])) OR (((case OR cases) AND and AND "control group"[Title/Abstract])) OR ((("case or cases" AND and AND "control groups"[Title/Abstract])) OR ((cohort OR longitudinal OR prospective OR retrospective[Title/Abstract])) OR cohort studies[MeSH Terms]) OR epidemiologic studies[MeSH Terms]) OR observational study[Title/Abstract]) OR observational studies[Title/Abstract]</p>
#23	<p>Search (((((Arthritis, Rheumatoid[mh:noexp]) OR rheumatoid arthritis*[Text Word])) AND (((((((((((((((hydroxychloroquine OR methotrexate OR sulfasalazine[MeSH Terms])) OR ((hydroxychloroquine* OR methotrexate* OR sulfasalazine* OR sulphasalazine* OR leflunomide*[Text Word])) OR ((adalimumab OR etanercept OR golimumab OR certolizumab OR infliximab[Text Word])) OR ((tocilizumab OR abatacept OR rituximab[Text Word])) OR disease modifying antirheumatic drug*[Text Word]) OR ((disease modifying anti-rheumatic drug* OR DMARD*[Text Word])) OR Receptors, Tumor Necrosis Factor/tu[MeSH Terms]) OR Tumor Necrosis Factor-alpha/tu[MeSH Terms]) OR tumor necrosis factor block*[Text Word]) OR tumour necrosis factor block*[Text Word]) OR tumor necrosis factor inhibitor*[Text Word]) OR tumour necrosis factor inhibitor*[Text Word]) OR ((TNF inhibitor* OR TNFi*[Text Word])) OR anti-TNF agent*) OR anti-TNF drug*) OR antibodies, monoclonal/tu[MeSH Terms]) OR (((mab ca2) OR (monoclonal antibod* AND ca2) AND Text Word)))) AND (((((((randomized controlled trial[Publication Type]) OR controlled clinical trial[Publication Type]) OR randomized[Title/Abstract]) OR placebo[Title]) OR drug therapy[MeSH Subheading]) OR randomly[Title/Abstract]) OR trial[Title/Abstract]) OR groups[Title/Abstract]</p>

Search	Query
#22	Search (((((((randomized controlled trial[Publication Type] OR controlled clinical trial[Publication Type] OR randomized[Title/Abstract] OR placebo[Title] OR drug therapy[MeSH Subheading] OR randomly[Title/Abstract] OR trial[Title/Abstract] OR groups[Title/Abstract]
#21	Search (((((Arthritis, Rheumatoid[mh:noexp] OR rheumatoid arthriti*[Text Word])) AND (((((((((((((((hydroxychloroquine OR methotrexate OR sulfasalazine[MeSH Terms])) OR ((hydroxychloroquine* OR methotrexate* OR sulfasalazine* OR sulphasalazine* OR leflunomide*[Text Word])) OR ((adalimumab OR etanercept OR golimumab OR certolizumab OR infliximab[Text Word])) OR ((tocilizumab OR abatacept OR rituximab[Text Word])) OR disease modifying antirheumatic drug*[Text Word] OR ((disease modifying anti-rheumatic drug* OR DMARD*[Text Word])) OR Receptors, Tumor Necrosis Factor/tu[MeSH Terms] OR Tumor Necrosis Factor-alpha/tu[MeSH Terms] OR tumor necrosis factor block*[Text Word] OR tumour necrosis factor block*[Text Word] OR tumor necrosis factor inhibitor*[Text Word] OR tumour necrosis factor inhibitor*[Text Word] OR ((TNF inhibitor* OR TNFi*[Text Word])) OR anti-TNF agent*) OR anti-TNF drug*) OR antibodies, monoclonal/tu[MeSH Terms] OR (((mab ca2) OR (monoclonal antibod* AND ca2) AND Text Word)))))) AND ((MEDLINE[Text Word] OR ((systematic AND review[Title/Abstract])) OR meta analysis[Publication Type])
#20	Search ((MEDLINE[Text Word]) OR ((systematic AND review[Title/Abstract])) OR meta analysis[Publication Type]
#19	Search (((Arthritis, Rheumatoid[mh:noexp] OR rheumatoid arthriti*[Text Word])) AND (((((((((((((((hydroxychloroquine OR methotrexate OR sulfasalazine[MeSH Terms])) OR ((hydroxychloroquine* OR methotrexate* OR sulfasalazine* OR sulphasalazine* OR leflunomide*[Text Word])) OR ((adalimumab OR etanercept OR golimumab OR certolizumab OR infliximab[Text Word])) OR ((tocilizumab OR abatacept OR rituximab[Text Word])) OR disease modifying antirheumatic drug*[Text Word] OR ((disease modifying anti-rheumatic drug* OR DMARD*[Text Word])) OR Receptors, Tumor Necrosis Factor/tu[MeSH Terms] OR Tumor Necrosis Factor-alpha/tu[MeSH Terms] OR tumor necrosis factor block*[Text Word] OR tumour necrosis factor block*[Text Word] OR tumor necrosis factor inhibitor*[Text Word] OR tumour necrosis factor inhibitor*[Text Word] OR ((TNF inhibitor* OR TNFi*[Text Word])) OR anti-TNF agent*) OR anti-TNF drug*) OR antibodies, monoclonal/tu[MeSH Terms] OR (((mab ca2) OR (monoclonal antibod* AND ca2) AND Text Word))))))
#18	Search (((((((((((((((hydroxychloroquine OR methotrexate OR sulfasalazine[MeSH Terms])) OR ((hydroxychloroquine* OR methotrexate* OR sulfasalazine* OR sulphasalazine* OR leflunomide*[Text Word])) OR ((adalimumab OR etanercept OR golimumab OR certolizumab OR infliximab[Text Word])) OR ((tocilizumab OR abatacept OR rituximab[Text Word])) OR disease modifying antirheumatic drug*[Text Word] OR ((disease modifying anti-rheumatic drug* OR DMARD*[Text Word])) OR Receptors, Tumor Necrosis Factor/tu[MeSH Terms] OR Tumor Necrosis Factor-alpha/tu[MeSH Terms] OR tumor necrosis factor block*[Text Word] OR tumour necrosis factor block*[Text Word] OR tumor necrosis factor inhibitor*[Text Word] OR tumour necrosis factor inhibitor*[Text Word] OR ((TNF inhibitor* OR TNFi*[Text Word])) OR anti-TNF agent*) OR anti-TNF drug*) OR antibodies, monoclonal/tu[MeSH Terms] OR (((mab ca2) OR (monoclonal antibod* AND ca2) AND Text Word))))))
#17	Search (Arthritis, Rheumatoid[mh:noexp] OR rheumatoid arthriti*[Text Word]

C. OVID Embase Search Strategy – Performed March 5, 2014

Database: Embase <1974 to 2014 March 04>

Search Strategy:

-
- 1 rheumatoid arthritis/
 - 2 rheumatoid arthritis.tw.
 - 3 1 or 2
 - 4 hydroxychloroquine/
 - 5 methotrexate/
 - 6 salazosulfapyridine/
 - 7 leflunomide/
 - 8 (hydroxychloroquine\$ or methotrexate\$ or sulfasalazine\$ or sulphasalazine\$ or leflunomide\$).tw.
 - 9 adalimumab/
 - 10 etanercept/
 - 11 golimumab/
 - 12 certolizumab pegol/
 - 13 infliximab/
 - 14 (adalimumab or etanercept or golimumab or certolizumab or infliximab).tw.
 - 15 tocilizumab/
 - 16 abatacept/
 - 17 rituximab/
 - 18 (tocilizumab or abatacept or rituximab).tw.
 - 19 disease modifying antirheumatic drug\$.ti,ab.
 - 20 (disease modifying anti-rheumatic drug\$ or DMARD\$).ti,ab.
 - 21 tumor necrosis factor/dt
 - 22 ((tumor or tumour) adj necrosis factor adj (block\$ or inhibitor\$)).ti,ab.
 - 23 (TNF inhibitor\$ or TNFi).ti,ab.
 - 24 (anti TNF adj (agent\$ or drug\$)).tw.
 - 25 (anti-TNF adj (agent\$ or drug\$)).tw.
 - 26 monoclonal antibody/dt [Drug Therapy]
 - 27 or/4-26
 - 28 3 and 27
 - 29 MEDLINE.tw.
 - 30 exp systematic review/ or systematic review.tw.
 - 31 meta-analysis/
 - 32 intervention\$.ti.
 - 33 or/29-32 [health-evidence.ca Systematic review filter Ovid technologies format] Source: Lee E, Dobbins M, DeCorby K, McRae L, Tirilis D, Husson H. BMC Med Res Methodol 2012, 12:51. <http://www.biomedcentral.com/1471-2288/12/5134>
 - 34 28 and 33
 - 35 random:.tw.
 - 36 placebo:.mp.
 - 37 double-blind:.tw.
 - 38 or/35-37 [Source: McMaster University, Hamilton, ON. Health Information Research Unit. Search strategies for EMBASE in Ovid syntax. Best balance of sensitivity and specificity. http://hiru.mcmaster.ca/hiru/HIRU_Hedges_EMBASE_Strategies.aspx]
 - 39 28 and 38
 - 40 exp cohort analysis/
 - 41 exp longitudinal study/
 - 42 exp prospective study/
 - 43 exp follow up/
 - 44 cohort\$.tw.
 - 45 exp case control study/
 - 46 (case\$ and control\$).tw.

47 exp case study/
48 (case\$ and series).tw.
49 case report/
50 (case\$ adj2 report\$).tw.
51 (case\$ adj2 stud\$).tw.
52 observational stud\$.tw.
53 or/40-52 Source:[BMJ Clinical Evidence. Embase cohort, case-control, case series, and case study
strategy. OVID search interface. [https://sites.google.com/a/york.ac.uk/issg-search-filters-
resource/filters-to-identify-observational-studies](https://sites.google.com/a/york.ac.uk/issg-search-filters-resource/filters-to-identify-observational-studies)]
54 28 and 53
55 adverse drug reaction/
56 toxicity/
57 drug contraindication/
58 (adverse adj (effect\$ or reaction\$ or event\$ or incident\$)).tw.
59 (toxic\$ or ((injurious or undesirable) adj (effect\$ or reaction\$ or event\$ or incident\$))).tw.
60 (safety or ((drug or chemical\$) adj induced)).tw.
61 extension stud\$.tw.
62 continuation stud\$.tw.
63 ((follow on or follow up) adj trial*).tw.
64 long-term data.ti,ab.
65 or/55-64
66 28 and 65
67 34 or 39 or 54 or 66
68 limit 67 to yr="2009 -Current"
69 corticosteroid/dt [Drug Therapy]
70 glucocorticoid/
71 prednisolone/
72 prednisone/
73 methylprednisolone/
74 meprednisone/
75 cortisone/
76 hydrocortisone/
77 dexamethasone/
78 (corticosteroid\$ or glucocorticoid\$ or dexamethasone\$ or methylprednisolone\$ or
methylprednisone\$ or prednisolone\$ or prednisone\$ or cortisone\$ or hydrocortisone\$).tw.
79 tofacitinib/
80 (tofacitinib or tasocitinib or Xeljanz or cp690550 or "cp 690550" or "cp 690 550").tw.
81 or/69-80
82 3 and 81
83 82 and 33
84 82 and 38
85 82 and 53
86 82 and 65
87 or/83-86
88 68 or 87
89 limit 88 to adult <18 to 64 years>
90 limit 88 to aged <65+ years>
91 89 or 90
92 limit 91 to conference abstract
93 limit 91 to conference paper
94 limit 91 to conference proceeding
95 limit 91 to "conference review"
96 or/92-95
97 91 not 96
98 limit 97 to english language

D. Cochrane Library Search Strategy

- #1 MeSH descriptor: [Arthritis, Rheumatoid] this term only
- #2 "rheumatoid arthritis":ti,ab,kw (Word variations have been searched)
- #3 #1 or #2
- #4 MeSH descriptor: [Hydroxychloroquine] explode all trees
- #5 MeSH descriptor: [Methotrexate] explode all trees
- #6 MeSH descriptor: [Sulfasalazine] explode all trees
- #7 hydroxychloroquine* or methotrexate* or sulfasalazine* or sulphasalazine* or leflunomide*:ti,ab,kw (Word variations have been searched)
- #8 adalimumab or etanercept or golimumab or certolizumab pegol or infliximab:ti,ab,kw (Word variations have been searched)
- #9 tocilizumab or abatacept or rituximab:ti,ab,kw (Word variations have been searched)
- #10 MeSH descriptor: [Receptors, Tumor Necrosis Factor] explode all trees
- #11 disease modifying antirheumatic drug*:ti,ab,kw
- #12 disease modifying anti-rheumatic drug* or DMARD*:ti,ab,kw
- #13 MeSH descriptor: [Receptors, Tumor Necrosis Factor] explode all trees and with qualifier(s): [Therapeutic use - TU]
- #14 MeSH descriptor: [Tumor Necrosis Factor-alpha] explode all trees and with qualifier(s): [Therapeutic use - TU]
- #15 MeSH descriptor: [Antibodies, Monoclonal] explode all trees and with qualifier(s): [Therapeutic use - TU]
- #16 {or #4-#15}
- #17 #3 and #16
- #18 MeSH descriptor: [Glucocorticoids] explode all trees
- #19 MeSH descriptor: [Adrenal Cortex Hormones] this term only and with qualifier(s): [Therapeutic use - TU]
- #20 MeSH descriptor: [Dexamethasone] explode all trees
- #21 MeSH descriptor: [Prednisolone] explode all trees
- #22 MeSH descriptor: [Prednisone] explode all trees
- #23 MeSH descriptor: [Methylprednisolone] explode all trees
- #24 MeSH descriptor: [Cortisone] explode all trees
- #25 MeSH descriptor: [Hydrocortisone] explode all trees
- #26 glucocorticoid* or dexamethasone* or prednisolone* or prednisone* methylprednisolone* or methylprednisone* or cortisone* or hydrocortisone* or tofacitinib*:ti,ab,kw (Word variations have been searched)
- #27 corticosteroid*
- #28 {or #18-#27}
- #29 #3 and #28
- #30 #17 or #29

E. OVID Medline Search Strategy – Update search performed Sept 17, 2014

Database: Ovid MEDLINE(R) In-Process & Other Non-Indexed Citations and Ovid MEDLINE(R) <1946 to Present>

Search Strategy:

-
- 1 Arthritis, Rheumatoid/
 - 2 (rheumatoid adj2 arthriti\$.tw.
 - 3 1 or 2
 - 4 hydroxychloroquine/ or methotrexate/ or sulfasalazine/
 - 5 (hydroxychloroquine\$ or methotrexate\$ or sulfasalazine\$ or sulphasalazine\$ or leflunomide\$.tw.
 - 6 (adalimumab or etanercept or golimumab or certolizumab or infliximab).tw.
 - 7 (tocilizumab or abatacept or rituximab).tw.
 - 8 disease modifying antirheumatic drug\$.tw.
 - 9 (disease modifying anti-rheumatic drug\$ or DMARD\$.tw.
 - 10 exp Receptors, Tumor Necrosis Factor/tu
 - 11 Tumor Necrosis Factor-alpha/tu
 - 12 ((tumor or tumour) adj necrosis factor adj (block\$ or inhibitor\$)).tw.
 - 13 (TNF inhibitor\$ or TNFi).tw.
 - 14 (anti-TNF or anti TNF).tw.
 - 15 or/12-14
 - 16 15 and (tu or dt).fs.
 - 17 exp antibodies, monoclonal/tu
 - 18 (mab ca2 or monoclonal antibod\$ ca2).tw. and (dt or tu).fs.
 - 19 or/4-11,16-18
 - 20 adrenal cortex hormones/tu
 - 21 adrenal cortex hormones/ and tu.fs.
 - 22 glucocorticoids/ or dexamethasone/ or exp methylprednisolone/ or prednisolone/ or prednisone/ or cortisone/ or exp hydrocortisone/
 - 23 (corticosteroid\$ or glucocorticoid\$ or dexamethasone\$ or methylprednisolone\$ or prednisolone\$ or prednisone\$ or cortisone\$ or hydrocortisone\$.tw.
 - 24 (tofacitinib or tasocitinib or Xeljanz or cp690550 or "cp 690550" or "cp 690 550").tw. (216)
 - 25 or/20-24
 - 26 19 or 25
 - 27 3 and 26
 - 28 (MEDLINE or systematic review).tw. or meta analysis.pt. (124556) [Montori et al. Optimal search strategies for retrieving systematic reviews from Medline: analytical survey. BMJ 2005;330:68]
 - 29 27 and 28
 - 30 (randomized controlled trial or controlled clinical trial).pt. or randomized.ab. or placebo.ab. or clinical trials as topic.sh. or randomly.ab. or trial.ti. [Cochrane Highly Sensitive Search Strategy for identifying randomized trials in MEDLINE: sensitivity- and precision-maximizing version (2008 revision); Ovid format]
 - 31 27 and 30
 - 32 epidemiologic studies/ or exp case control studies/ or exp cohort studies/ or case control.tw. or (cohort adj (study or studies)).tw. or cohort analy\$.tw. or (Follow up adj (study or studies)).tw. or (observational adj (study or studies)).tw. or longitudinal.tw. or retrospective.tw. or cross sectional.tw. or Cross-sectional studies/ [SIGN observational studies filter available on Intertasc website]
 - 33 27 and 32
 - 34 (ae or to or co).fs. or (adverse adj (effect\$ or reaction\$ or event\$ or incident\$)).tw. or toxic\$.tw. or ((injurious or undesirable) adj (effect\$ or reaction\$ or event\$ or incident\$)).tw. or safety.tw. or ((drug or chemical\$) adj induced).tw. or extension.tw. or continuation.tw. or follow-on.tw. or (follow-up adj5 trial).tw. or long-term data.ti.ab. [Filter for retrieving harms used in Singh JA, Wells GA, Christensen R, Tanjong Ghogomu E, Maxwell L, MacDonald JK,et. al. Adverse effects of biologics: a network meta-analysis and Cochrane overview. Cochrane Database of Systematic Reviews 2011, Issue 2 . Art. No.: CD008794]
 - 35 27 and 34

36 29 or 31 or 33 or 35
37 limit 36 to "all adult (19 plus years)"
38 limit 37 to ed=20140304-20140917
39 limit 38 to english language
40 limit 27 to "in data review"
41 limit 27 to in process
42 39 or 40 or 41

F. PubMed Search Strategy – Update search performed Sept 17, 2014

Search	Query
#19	<p>Search (((((((((Arthritis, Rheumatoid[mh:noexp]) OR rheumatoid arthriti*[Text Word])) AND (((((((((((((((((((hydroxychloroquine OR methotrexate OR sulfasalazine[MeSH Terms]))) OR ((hydroxychloroquine* OR methotrexate* OR sulfasalazine* OR sulphasalazine* OR leflunomide*[Text Word]))) OR ((adalimumab OR etanercept OR golimumab OR certolizumab OR infliximab[Text Word])) OR ((tocilizumab OR abatacept OR rituximab[Text Word])) OR disease modifying antirheumatic drug*[Text Word]) OR ((disease modifying anti-rheumatic drug* OR DMARD*[Text Word])) OR Receptors, Tumor Necrosis Factor/tu[MeSH Terms]) OR Tumor Necrosis Factor-alpha/tu[MeSH Terms]) OR tumor necrosis factor block*[Text Word]) OR tumour necrosis factor block*[Text Word]) OR tumor necrosis factor inhibitor*[Text Word]) OR tumour necrosis factor inhibitor*[Text Word]) OR ((TNF inhibitor* OR TNFi*[Text Word])) OR anti-TNF agent*) OR anti-TNF drug*) OR antibodies, monoclonal/tu[MeSH Terms]) OR (((mab ca2) OR (monoclonal antibod* AND ca2) AND Text Word)))) OR (((((((((((adrenal cortex hormones/tu[MeSH Terms]) OR glucocorticoids[MeSH Terms]) OR dexamethasone[MeSH Terms]) OR methylprednisolone[MeSH Terms]) OR prednisolone[MeSH Terms]) OR prednisone[MeSH Terms]) OR cortisone[MeSH Terms]) OR hydrocortisone[MeSH Terms]) OR ((corticosteroid* OR glucocorticoid* OR dexamethasone* OR methylprednisolone* OR prednisolone* OR prednisone* OR cortisone* OR hydrocortisone*[Text Word])) OR ((tofacinib OR tasocitinib OR Xeljanz OR cp690550 OR "cp 690550" OR "cp 690 550"[Text Word]))) AND (((MEDLINE[Text Word]) OR ((systematic AND review[Title/Abstract]))) OR meta analysis[Publication Type])) OR (((((((Arthritis, Rheumatoid[mh:noexp]) OR rheumatoid arthriti*[Text Word])) AND (((((((((((((((((((hydroxychloroquine OR methotrexate OR sulfasalazine[MeSH Terms]))) OR ((hydroxychloroquine* OR methotrexate* OR sulfasalazine* OR sulphasalazine* OR leflunomide*[Text Word]))) OR ((adalimumab OR etanercept OR golimumab OR certolizumab OR infliximab[Text Word])) OR ((tocilizumab OR abatacept OR rituximab[Text Word])) OR disease modifying antirheumatic drug*[Text Word]) OR ((disease modifying anti-rheumatic drug* OR DMARD*[Text Word])) OR Receptors, Tumor Necrosis Factor/tu[MeSH Terms]) OR Tumor Necrosis Factor-alpha/tu[MeSH Terms]) OR tumor necrosis factor block*[Text Word]) OR tumour necrosis factor block*[Text Word]) OR tumor necrosis factor inhibitor*[Text Word]) OR tumour necrosis factor inhibitor*[Text Word]) OR ((TNF inhibitor* OR TNFi*[Text Word])) OR anti-TNF agent*) OR anti-TNF drug*) OR antibodies, monoclonal/tu[MeSH Terms]) OR (((mab ca2) OR (monoclonal antibod* AND ca2) AND Text Word)))) OR (((((((((((adrenal cortex hormones/tu[MeSH Terms]) OR glucocorticoids[MeSH Terms]) OR dexamethasone[MeSH Terms]) OR methylprednisolone[MeSH Terms]) OR prednisolone[MeSH Terms]) OR prednisone[MeSH Terms]) OR cortisone[MeSH Terms]) OR hydrocortisone[MeSH Terms]) OR ((corticosteroid* OR glucocorticoid* OR dexamethasone* OR methylprednisolone* OR prednisolone* OR prednisone* OR cortisone* OR hydrocortisone*[Text Word])) OR ((tofacinib OR tasocitinib OR Xeljanz OR cp690550 OR "cp 690550" OR "cp 690</p>

Search	Query
	<p>550"[Text Word])))) AND (((((((randomized controlled trial[Publication Type] OR controlled clinical trial[Publication Type] OR randomized[Title/Abstract] OR placebo[Title] OR drug therapy[MeSH Subheading] OR randomly[Title/Abstract] OR trial[Title/Abstract] OR groups[Title/Abstract])) OR (((((((Arthritis, Rheumatoid[mh:noexp] OR rheumatoid arthriti*[Text Word])) AND (((((((((((((((hydroxychloroquine OR methotrexate OR sulfasalazine[MeSH Terms])) OR ((hydroxychloroquine* OR methotrexate* OR sulfasalazine* OR sulphasalazine* OR leflunomide*[Text Word])) OR ((adalimumab OR etanercept OR golimumab OR certolizumab OR infliximab[Text Word])) OR ((tocilizumab OR abatacept OR rituximab[Text Word])) OR disease modifying antirheumatic drug*[Text Word] OR ((disease modifying anti-rheumatic drug* OR DMARD*[Text Word])) OR Receptors, Tumor Necrosis Factor/tu[MeSH Terms] OR Tumor Necrosis Factor-alpha/tu[MeSH Terms] OR tumor necrosis factor block*[Text Word] OR tumour necrosis factor block*[Text Word] OR tumor necrosis factor inhibitor*[Text Word] OR tumour necrosis factor inhibitor*[Text Word] OR ((TNF inhibitor* OR TNFi*[Text Word])) OR anti-TNF agent*) OR anti-TNF drug*) OR antibodies, monoclonal/tu[MeSH Terms] OR (((mab ca2) OR (monoclonal antibod* AND ca2) AND Text Word)))) OR (((((((adrenal cortex hormones/tu[MeSH Terms] OR glucocorticoids[MeSH Terms] OR dexamethasone[MeSH Terms] OR methylprednisolone[MeSH Terms] OR prednisolone[MeSH Terms] OR prednisone[MeSH Terms] OR cortisone[MeSH Terms] OR hydrocortisone[MeSH Terms] OR ((corticosteroid* OR glucocorticoid* OR dexamethasone* OR methylprednisolone* OR prednisolone* OR prednisone* OR cortisone* OR hydrocortisone*[Text Word])) OR ((tofacitinib OR tasocitinib OR Xeljanz OR cp690550 OR "cp 690550" OR "cp 690550"[Text Word])))) AND (((((((((((Case-Control Studies[MeSH Terms] OR Control Groups[MeSH Terms] OR ((case OR cases) AND and AND (control OR controls OR controlled) AND Title/Abstract)) OR ((case OR cases) AND and comparison*[Title/Abstract])) OR ((case OR cases) AND and AND "control group"[Title/Abstract])) OR ("case or cases" AND and AND "control groups"[Title/Abstract])) OR ((cohort OR longitudinal OR prospective OR retrospective[Title/Abstract])) OR cohort studies[MeSH Terms] OR epidemiologic studies[MeSH Terms] OR observational study[Title/Abstract] OR observational studies[Title/Abstract])) OR (((((((Arthritis, Rheumatoid[mh:noexp] OR rheumatoid arthriti*[Text Word])) AND (((((((((((((((hydroxychloroquine OR methotrexate OR sulfasalazine[MeSH Terms])) OR ((hydroxychloroquine* OR methotrexate* OR sulfasalazine* OR sulphasalazine* OR leflunomide*[Text Word])) OR ((adalimumab OR etanercept OR golimumab OR certolizumab OR infliximab[Text Word])) OR ((tocilizumab OR abatacept OR rituximab[Text Word])) OR disease modifying antirheumatic drug*[Text Word] OR ((disease modifying anti-rheumatic drug* OR DMARD*[Text Word])) OR Receptors, Tumor Necrosis Factor/tu[MeSH Terms] OR Tumor Necrosis Factor-alpha/tu[MeSH Terms] OR tumor necrosis factor block*[Text Word] OR tumour necrosis factor block*[Text Word] OR tumor necrosis factor inhibitor*[Text Word] OR tumour necrosis factor inhibitor*[Text Word] OR ((TNF inhibitor* OR TNFi*[Text Word])) OR anti-</p>

Search	Query
	<p>TNF agent*) OR anti-TNF drug*) OR antibodies, monoclonal/tu[MeSH Terms]) OR (((mab ca2) OR (monoclonal antibod* AND ca2) AND Text Word)))) OR (((((((((((adrenal cortex hormones/tu[MeSH Terms]) OR glucocorticoids[MeSH Terms]) OR dexamethasone[MeSH Terms]) OR methylprednisolone[MeSH Terms]) OR prednisolone[MeSH Terms]) OR prednisone[MeSH Terms]) OR cortisone[MeSH Terms]) OR hydrocortisone[MeSH Terms]) OR ((corticosteroid* OR glucocorticoid* OR dexamethasone* OR methylprednisolone* OR prednisolone* OR prednisone* OR cortisone* OR hydrocortisone*[Text Word]))) OR ((tofacitinib OR tasocitinib OR Xeljanz OR cp690550 OR "cp 690550" OR "cp 690550"[Text Word]))) AND (((((((((((((((((((safe OR safety[Title/Abstract])) OR side effect[Title/Abstract]) OR ((adverse effect* OR adverse reaction* OR adverse event* OR adverse outcome*[Title/Abstract]))) OR product surveillance, postmarketing[MeSH Terms]) OR adverse drug reaction reporting systems[MeSH Terms]) OR clinical trials, phase iv[MeSH Terms]) OR Clinical Trials, Phase III[MeSH Terms]) OR poisoning[MeSH Terms]) OR drug toxicity[MeSH Terms]) OR abnormalities, drug induced[MeSH Terms]) OR drug monitoring[MeSH Terms]) OR drug hypersensitivity[MeSH Terms]) OR ((undesirable effect* OR undesirable reaction* OR undesirable event* OR undesirable outcome*[Title/Abstract])) OR ((harm* AND effect* OR harm* AND reaction* OR harm* AND event* OR harm* AND outcome*[Title/Abstract])) OR ((serious effect* OR serious reaction* OR serious event* OR serious outcome*[Title/Abstract])) OR ((toxic effect* OR toxic reaction* OR toxic event* OR toxic outcome*[Title/Abstract])) OR ((toxicity OR complication* OR noxious OR tolerability[Title/Abstract])) OR extension[Title/Abstract]) OR ((follow-on OR follow-up[Title/Abstract])) OR long-term data[Title/Abstract])) Sort by: PublicationDate Filters: Publication date from 2014/03/04 to 2014/09/17; English; Adult: 19+ years</p>
#16	<p>Search (((((((((((Arthritis, Rheumatoid[mh:noexp]) OR rheumatoid arthriti*[Text Word])) AND (((((((((((((((((((hydroxychloroquine OR methotrexate OR sulfasalazine[MeSH Terms])) OR ((hydroxychloroquine* OR methotrexate* OR sulfasalazine* OR sulphasalazine* OR leflunomide*[Text Word])) OR ((adalimumab OR etanercept OR golimumab OR certolizumab OR infliximab[Text Word])) OR ((tocilizumab OR abatacept OR rituximab[Text Word])) OR disease modifying antirheumatic drug*[Text Word]) OR ((disease modifying anti-rheumatic drug* OR DMARD*[Text Word])) OR Receptors, Tumor Necrosis Factor/tu[MeSH Terms]) OR Tumor Necrosis Factor-alpha/tu[MeSH Terms]) OR tumor necrosis factor block*[Text Word]) OR tumour necrosis factor block*[Text Word]) OR tumor necrosis factor inhibitor*[Text Word]) OR tumour necrosis factor inhibitor*[Text Word]) OR ((TNF inhibitor* OR TNFi*[Text Word])) OR anti-TNF agent*) OR anti-TNF drug*) OR antibodies, monoclonal/tu[MeSH Terms]) OR (((mab ca2) OR (monoclonal antibod* AND ca2) AND Text Word)))) OR (((((((((((adrenal cortex hormones/tu[MeSH Terms]) OR glucocorticoids[MeSH Terms]) OR dexamethasone[MeSH Terms]) OR methylprednisolone[MeSH Terms]) OR prednisolone[MeSH Terms]) OR prednisone[MeSH Terms]) OR cortisone[MeSH Terms]) OR hydrocortisone[MeSH Terms])</p>

Search	Query
	<p>OR ((corticosteroid* OR glucocorticoid* OR dexamethasone* OR methylprednisolone* OR prednisolone* OR prednisone* OR cortisone* OR hydrocortisone*[Text Word])) OR ((tofacitinib OR tasocitinib OR Xeljanz OR cp690550 OR "cp 690550" OR "cp 690550"[Text Word]))) AND (((MEDLINE[Text Word]) OR ((systematic AND review[Title/Abstract]))) OR meta analysis[Publication Type])) OR (((((((Arthritis, Rheumatoid[mh:noexp]) OR rheumatoid arthriti*[Text Word])) AND (((((((((((((((((((hydroxychloroquine OR methotrexate OR sulfasalazine[MeSH Terms]))) OR ((hydroxychloroquine* OR methotrexate* OR sulfasalazine* OR sulphasalazine* OR leflunomide*[Text Word]))) OR ((adalimumab OR etanercept OR golimumab OR certolizumab OR infliximab[Text Word])) OR ((tocilizumab OR abatacept OR rituximab[Text Word])) OR disease modifying antirheumatic drug*[Text Word]) OR ((disease modifying anti-rheumatic drug* OR DMARD*[Text Word])) OR Receptors, Tumor Necrosis Factor/tu[MeSH Terms]) OR Tumor Necrosis Factor-alpha/tu[MeSH Terms]) OR tumor necrosis factor block*[Text Word]) OR tumour necrosis factor block*[Text Word]) OR tumor necrosis factor inhibitor*[Text Word]) OR tumour necrosis factor inhibitor*[Text Word]) OR ((TNF inhibitor* OR TNFi*[Text Word])) OR anti-TNF agent*) OR anti-TNF drug*) OR antibodies, monoclonal/tu[MeSH Terms]) OR (((mab ca2) OR (monoclonal antibod* AND ca2) AND Text Word)))) OR (((((((adrenal cortex hormones/tu[MeSH Terms]) OR glucocorticoids[MeSH Terms]) OR dexamethasone[MeSH Terms]) OR methylprednisolone[MeSH Terms]) OR prednisolone[MeSH Terms]) OR prednisone[MeSH Terms]) OR cortisone[MeSH Terms]) OR hydrocortisone[MeSH Terms]) OR ((corticosteroid* OR glucocorticoid* OR dexamethasone* OR methylprednisolone* OR prednisolone* OR prednisone* OR cortisone* OR hydrocortisone*[Text Word])) OR ((tofacitinib OR tasocitinib OR Xeljanz OR cp690550 OR "cp 690550" OR "cp 690550"[Text Word]))) AND (((((((randomized controlled trial[Publication Type]) OR controlled clinical trial[Publication Type]) OR randomized[Title/Abstract]) OR placebo[Title]) OR drug therapy[MeSH Subheading]) OR randomly[Title/Abstract]) OR trial[Title/Abstract]) OR groups[Title/Abstract])) OR (((((((Arthritis, Rheumatoid[mh:noexp]) OR rheumatoid arthriti*[Text Word])) AND (((((((((((((((((((hydroxychloroquine OR methotrexate OR sulfasalazine[MeSH Terms]))) OR ((hydroxychloroquine* OR methotrexate* OR sulfasalazine* OR sulphasalazine* OR leflunomide*[Text Word]))) OR ((adalimumab OR etanercept OR golimumab OR certolizumab OR infliximab[Text Word])) OR ((tocilizumab OR abatacept OR rituximab[Text Word])) OR disease modifying antirheumatic drug*[Text Word]) OR ((disease modifying anti-rheumatic drug* OR DMARD*[Text Word])) OR Receptors, Tumor Necrosis Factor/tu[MeSH Terms]) OR Tumor Necrosis Factor-alpha/tu[MeSH Terms]) OR tumor necrosis factor block*[Text Word]) OR tumour necrosis factor block*[Text Word]) OR tumor necrosis factor inhibitor*[Text Word]) OR tumour necrosis factor inhibitor*[Text Word]) OR ((TNF inhibitor* OR TNFi*[Text Word])) OR anti-TNF agent*) OR anti-TNF drug*) OR antibodies, monoclonal/tu[MeSH Terms]) OR (((mab ca2) OR (monoclonal antibod* AND ca2) AND Text Word)))) OR (((((((adrenal cortex hormones/tu[MeSH Terms]) OR glucocorticoids[MeSH Terms]) OR dexamethasone[MeSH</p>

Search	Query
	<p>Terms]) OR methylprednisolone[MeSH Terms]) OR prednisolone[MeSH Terms]) OR prednisone[MeSH Terms]) OR cortisone[MeSH Terms]) OR hydrocortisone[MeSH Terms]) OR ((corticosteroid* OR glucocorticoid* OR dexamethasone* OR methylprednisolone* OR prednisolone* OR prednisone* OR cortisone* OR hydrocortisone*[Text Word])) OR ((tofacinib OR tasocitinib OR Xeljanz OR cp690550 OR "cp 690550" OR "cp 690550"[Text Word])) AND (((((((((((Case-Control Studies[MeSH Terms]) OR Control Groups[MeSH Terms]) OR ((case OR cases) AND and AND (control OR controls OR controlled) AND Title/Abstract))) OR ((case OR cases) AND and comparison*[Title/Abstract])) OR (((case OR cases) AND and AND "control group"[Title/Abstract])) OR ("case or cases" AND and AND "control groups"[Title/Abstract])) OR ((cohort OR longitudinal OR prospective OR retrospective[Title/Abstract])) OR cohort studies[MeSH Terms]) OR epidemiologic studies[MeSH Terms]) OR observational study[Title/Abstract]) OR observational studies[Title/Abstract])) OR (((((((Arthritis, Rheumatoid[mh:noexp]) OR rheumatoid arthriti*[Text Word])) AND (((((((((((((((((((hydroxychloroquine OR methotrexate OR sulfasalazine[MeSH Terms])) OR ((hydroxychloroquine* OR methotrexate* OR sulfasalazine* OR sulphasalazine* OR leflunomide*[Text Word])) OR ((adalimumab OR etanercept OR golimumab OR certolizumab OR infliximab[Text Word])) OR ((tocilizumab OR abatacept OR rituximab[Text Word])) OR disease modifying antirheumatic drug*[Text Word]) OR ((disease modifying anti-rheumatic drug* OR DMARD*[Text Word])) OR Receptors, Tumor Necrosis Factor/tu[MeSH Terms]) OR Tumor Necrosis Factor-alpha/tu[MeSH Terms]) OR tumor necrosis factor block*[Text Word]) OR tumour necrosis factor block*[Text Word]) OR tumor necrosis factor inhibitor*[Text Word]) OR tumour necrosis factor inhibitor*[Text Word]) OR ((TNF inhibitor* OR TNFi*[Text Word])) OR anti-TNF agent*) OR anti-TNF drug*) OR antibodies, monoclonal/tu[MeSH Terms]) OR (((mab ca2) OR (monoclonal antibod* AND ca2) AND Text Word)))) OR (((((((((((adrenal cortex hormones/tu[MeSH Terms]) OR glucocorticoids[MeSH Terms]) OR dexamethasone[MeSH Terms]) OR methylprednisolone[MeSH Terms]) OR prednisolone[MeSH Terms]) OR prednisone[MeSH Terms]) OR cortisone[MeSH Terms]) OR hydrocortisone[MeSH Terms]) OR ((corticosteroid* OR glucocorticoid* OR dexamethasone* OR methylprednisolone* OR prednisolone* OR prednisone* OR cortisone* OR hydrocortisone*[Text Word])) OR ((tofacinib OR tasocitinib OR Xeljanz OR cp690550 OR "cp 690550" OR "cp 690550"[Text Word])) AND (((((((((((((((((((safe OR safety[Title/Abstract])) OR side effect[Title/Abstract]) OR ((adverse effect* OR adverse reaction* OR adverse event* OR adverse outcome*[Title/Abstract])) OR product surveillance, postmarketing[MeSH Terms]) OR adverse drug reaction reporting systems[MeSH Terms]) OR clinical trials, phase iv[MeSH Terms]) OR Clinical Trials, Phase III[MeSH Terms]) OR poisoning[MeSH Terms]) OR drug toxicity[MeSH Terms]) OR abnormalities, drug induced[MeSH Terms]) OR drug monitoring[MeSH Terms]) OR drug hypersensitivity[MeSH Terms]) OR ((undesirable effect* OR undesirable reaction* OR undesirable event* OR undesirable outcome*[Title/Abstract])) OR ((harm* AND effect* OR harm* AND reaction* OR harm*</p>

Search	Query
	<p>AND event* OR harm* AND outcome*[Title/Abstract])) OR ((serious effect* OR serious reaction* OR serious event* OR serious outcome*[Title/Abstract])) OR ((toxic effect* OR toxic reaction* OR toxic event* OR toxic outcome*[Title/Abstract])) OR ((toxicity OR complication* OR noxious OR tolerability[Title/Abstract])) OR extension[Title/Abstract] OR ((follow-on OR follow-up[Title/Abstract])) OR long-term data[Title/Abstract]))</p>
#18	<p>Search (((((((((Arthritis, Rheumatoid[mh:noexp]) OR rheumatoid arthriti*[Text Word])) AND (((((((((((((((((((hydroxychloroquine OR methotrexate OR sulfasalazine[MeSH Terms]))) OR ((hydroxychloroquine* OR methotrexate* OR sulfasalazine* OR sulphasalazine* OR leflunomide*[Text Word]))) OR ((adalimumab OR etanercept OR golimumab OR certolizumab OR infliximab[Text Word])) OR ((tocilizumab OR abatacept OR rituximab[Text Word])) OR disease modifying antirheumatic drug*[Text Word]) OR ((disease modifying anti-rheumatic drug* OR DMARD*[Text Word])) OR Receptors, Tumor Necrosis Factor/tu[MeSH Terms]) OR Tumor Necrosis Factor-alpha/tu[MeSH Terms]) OR tumor necrosis factor block*[Text Word]) OR tumour necrosis factor block*[Text Word]) OR tumor necrosis factor inhibitor*[Text Word]) OR tumour necrosis factor inhibitor*[Text Word]) OR ((TNF inhibitor* OR TNFi*[Text Word])) OR anti-TNF agent*) OR anti-TNF drug*) OR antibodies, monoclonal/tu[MeSH Terms]) OR (((mab ca2) OR (monoclonal antibod* AND ca2) AND Text Word)))) OR (((((((((((adrenal cortex hormones/tu[MeSH Terms]) OR glucocorticoids[MeSH Terms]) OR dexamethasone[MeSH Terms]) OR methylprednisolone[MeSH Terms]) OR prednisolone[MeSH Terms]) OR prednisone[MeSH Terms]) OR cortisone[MeSH Terms]) OR hydrocortisone[MeSH Terms]) OR ((corticosteroid* OR glucocorticoid* OR dexamethasone* OR methylprednisolone* OR prednisolone* OR prednisone* OR cortisone* OR hydrocortisone*[Text Word])) OR ((tofacitinib OR tasocitinib OR Xeljanz OR cp690550 OR "cp 690550" OR "cp 690550"[Text Word]))) AND (((MEDLINE[Text Word]) OR ((systematic AND review[Title/Abstract])) OR meta analysis[Publication Type])) OR (((((((Arthritis, Rheumatoid[mh:noexp]) OR rheumatoid arthriti*[Text Word])) AND (((((((((((((((((((hydroxychloroquine OR methotrexate OR sulfasalazine[MeSH Terms]))) OR ((hydroxychloroquine* OR methotrexate* OR sulfasalazine* OR sulphasalazine* OR leflunomide*[Text Word]))) OR ((adalimumab OR etanercept OR golimumab OR certolizumab OR infliximab[Text Word])) OR ((tocilizumab OR abatacept OR rituximab[Text Word])) OR disease modifying antirheumatic drug*[Text Word]) OR ((disease modifying anti-rheumatic drug* OR DMARD*[Text Word])) OR Receptors, Tumor Necrosis Factor/tu[MeSH Terms]) OR Tumor Necrosis Factor-alpha/tu[MeSH Terms]) OR tumor necrosis factor block*[Text Word]) OR tumour necrosis factor block*[Text Word]) OR tumor necrosis factor inhibitor*[Text Word]) OR tumour necrosis factor inhibitor*[Text Word]) OR ((TNF inhibitor* OR TNFi*[Text Word])) OR anti-TNF agent*) OR anti-TNF drug*) OR antibodies, monoclonal/tu[MeSH Terms]) OR (((mab ca2) OR (monoclonal antibod* AND ca2) AND Text Word)))) OR (((((((((((adrenal cortex hormones/tu[MeSH Terms]) OR glucocorticoids[MeSH Terms]) OR dexamethasone[MeSH</p>

Search	Query
	<p>Word]) OR ((disease modifying anti-rheumatic drug* OR DMARD*[Text Word])) OR Receptors, Tumor Necrosis Factor/tu[MeSH Terms]) OR Tumor Necrosis Factor-alpha/tu[MeSH Terms]) OR tumor necrosis factor block*[Text Word]) OR tumour necrosis factor block*[Text Word]) OR tumor necrosis factor inhibitor*[Text Word]) OR tumour necrosis factor inhibitor*[Text Word]) OR ((TNF inhibitor* OR TNFi*[Text Word])) OR anti-TNF agent*) OR anti-TNF drug*) OR antibodies, monoclonal/tu[MeSH Terms]) OR (((mab ca2) OR (monoclonal antibod* AND ca2) AND Text Word)))) OR (((((((((((adrenal cortex hormones/tu[MeSH Terms]) OR glucocorticoids[MeSH Terms]) OR dexamethasone[MeSH Terms]) OR methylprednisolone[MeSH Terms]) OR prednisolone[MeSH Terms]) OR prednisone[MeSH Terms]) OR cortisone[MeSH Terms]) OR hydrocortisone[MeSH Terms]) OR ((corticosteroid* OR glucocorticoid* OR dexamethasone* OR methylprednisolone* OR prednisolone* OR prednisone* OR cortisone* OR hydrocortisone*[Text Word])) OR ((tofacitinib OR tasocitinib OR Xeljanz OR cp690550 OR "cp 690550" OR "cp 690550"[Text Word]))) AND (((((((((((((((((((safe OR safety[Title/Abstract])) OR side effect[Title/Abstract]) OR ((adverse effect* OR adverse reaction* OR adverse event* OR adverse outcome*[Title/Abstract])) OR product surveillance, postmarketing[MeSH Terms]) OR adverse drug reaction reporting systems[MeSH Terms]) OR clinical trials, phase iv[MeSH Terms]) OR Clinical Trials, Phase III[MeSH Terms]) OR poisoning[MeSH Terms]) OR drug toxicity[MeSH Terms]) OR abnormalities, drug induced[MeSH Terms]) OR drug monitoring[MeSH Terms]) OR drug hypersensitivity[MeSH Terms]) OR ((undesirable effect* OR undesirable reaction* OR undesirable event* OR undesirable outcome*[Title/Abstract])) OR ((harm* AND effect* OR harm* AND reaction* OR harm* AND event* OR harm* AND outcome*[Title/Abstract])) OR ((serious effect* OR serious reaction* OR serious event* OR serious outcome*[Title/Abstract])) OR ((toxic effect* OR toxic reaction* OR toxic event* OR toxic outcome*[Title/Abstract])) OR ((toxicity OR complication* OR noxious OR tolerability[Title/Abstract])) OR extension[Title/Abstract]) OR ((follow-on OR follow-up[Title/Abstract])) OR long-term data[Title/Abstract])) Filters: Publication date from 2014/03/04 to 2014/09/17; Adult: 19+ years</p>
#17	<p>Search (((((((((((Arthritis, Rheumatoid[mh:noexp]) OR rheumatoid arthriti*[Text Word])) AND (((((((((((((((((((hydroxychloroquine OR methotrexate OR sulfasalazine[MeSH Terms])) OR ((hydroxychloroquine* OR methotrexate* OR sulfasalazine* OR sulphasalazine* OR leflunomide*[Text Word])) OR ((adalimumab OR etanercept OR golimumab OR certolizumab OR infliximab[Text Word])) OR ((tocilizumab OR abatacept OR rituximab[Text Word])) OR disease modifying antirheumatic drug*[Text Word]) OR ((disease modifying anti-rheumatic drug* OR DMARD*[Text Word])) OR Receptors, Tumor Necrosis Factor/tu[MeSH Terms]) OR Tumor Necrosis Factor-alpha/tu[MeSH Terms]) OR tumor necrosis factor block*[Text Word]) OR tumour necrosis factor block*[Text Word]) OR tumor necrosis factor inhibitor*[Text Word]) OR tumour necrosis factor inhibitor*[Text Word]) OR ((TNF inhibitor* OR TNFi*[Text Word])) OR anti-TNF agent*) OR anti-TNF drug*) OR antibodies, monoclonal/tu[MeSH Terms]) OR (((mab ca2)</p>

Search	Query
	<p>OR (monoclonal antibod* AND ca2) AND Text Word)))) OR (((((((((((adrenal cortex hormones/tu[MeSH Terms]) OR glucocorticoids[MeSH Terms]) OR dexamethasone[MeSH Terms]) OR methylprednisolone[MeSH Terms]) OR prednisolone[MeSH Terms]) OR prednisone[MeSH Terms]) OR cortisone[MeSH Terms]) OR hydrocortisone[MeSH Terms]) OR ((corticosteroid* OR glucocorticoid* OR dexamethasone* OR methylprednisolone* OR prednisolone* OR prednisone* OR cortisone* OR hydrocortisone*[Text Word]))) OR ((tofacitinib OR tasocitinib OR Xeljanz OR cp690550 OR "cp 690550" OR "cp 690550"[Text Word]))) AND (((MEDLINE[Text Word]) OR ((systematic AND review[Title/Abstract]))) OR meta analysis[Publication Type])) OR (((((Arthritis, Rheumatoid[mh:noexp]) OR rheumatoid arthriti*[Text Word])) AND (((((((((((((((((((hydroxychloroquine OR methotrexate OR sulfasalazine[MeSH Terms]))) OR ((hydroxychloroquine* OR methotrexate* OR sulfasalazine* OR sulphasalazine* OR leflunomide*[Text Word]))) OR ((adalimumab OR etanercept OR golimumab OR certolizumab OR infliximab[Text Word]))) OR ((tocilizumab OR abatacept OR rituximab[Text Word]))) OR disease modifying antirheumatic drug*[Text Word]) OR ((disease modifying anti-rheumatic drug* OR DMARD*[Text Word]))) OR Receptors, Tumor Necrosis Factor/tu[MeSH Terms]) OR Tumor Necrosis Factor-alpha/tu[MeSH Terms]) OR tumor necrosis factor block*[Text Word]) OR tumour necrosis factor block*[Text Word]) OR tumor necrosis factor inhibitor*[Text Word]) OR tumour necrosis factor inhibitor*[Text Word]) OR ((TNF inhibitor* OR TNFi*[Text Word]))) OR anti-TNF agent*) OR anti-TNF drug*) OR antibodies, monoclonal/tu[MeSH Terms]) OR (((mab ca2) OR (monoclonal antibod* AND ca2) AND Text Word)))) OR (((((((((((adrenal cortex hormones/tu[MeSH Terms]) OR glucocorticoids[MeSH Terms]) OR dexamethasone[MeSH Terms]) OR methylprednisolone[MeSH Terms]) OR prednisolone[MeSH Terms]) OR prednisone[MeSH Terms]) OR cortisone[MeSH Terms]) OR hydrocortisone[MeSH Terms]) OR ((corticosteroid* OR glucocorticoid* OR dexamethasone* OR methylprednisolone* OR prednisolone* OR prednisone* OR cortisone* OR hydrocortisone*[Text Word]))) OR ((tofacitinib OR tasocitinib OR Xeljanz OR cp690550 OR "cp 690550" OR "cp 690550"[Text Word]))) AND (((((((((((randomized controlled trial[Publication Type]) OR controlled clinical trial[Publication Type]) OR randomized[Title/Abstract]) OR placebo[Title]) OR drug therapy[MeSH Subheading]) OR randomly[Title/Abstract]) OR trial[Title/Abstract]) OR groups[Title/Abstract])) OR (((((Arthritis, Rheumatoid[mh:noexp]) OR rheumatoid arthriti*[Text Word])) AND (((((((((((((((((((hydroxychloroquine OR methotrexate OR sulfasalazine[MeSH Terms]))) OR ((hydroxychloroquine* OR methotrexate* OR sulfasalazine* OR sulphasalazine* OR leflunomide*[Text Word]))) OR ((adalimumab OR etanercept OR golimumab OR certolizumab OR infliximab[Text Word]))) OR ((tocilizumab OR abatacept OR rituximab[Text Word]))) OR disease modifying antirheumatic drug*[Text Word]) OR ((disease modifying anti-rheumatic drug* OR DMARD*[Text Word]))) OR Receptors, Tumor Necrosis Factor/tu[MeSH Terms]) OR Tumor Necrosis Factor-alpha/tu[MeSH Terms]) OR tumor necrosis factor block*[Text Word]) OR tumour necrosis factor block*[Text Word]) OR tumor necrosis factor inhibitor*[Text Word]) OR tumour necrosis factor inhibitor*[Text Word])</p>

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	<p>necrosis factor inhibitor*[Text Word]) OR ((TNF inhibitor* OR TNFi*[Text Word])) OR anti-TNF agent*) OR anti-TNF drug*) OR antibodies, monoclonal/tu[MeSH Terms]) OR (((mab ca2) OR (monoclonal antibod* AND ca2) AND Text Word)))) OR (((((((((((adrenal cortex hormones/tu[MeSH Terms]) OR glucocorticoids[MeSH Terms]) OR dexamethasone[MeSH Terms]) OR methylprednisolone[MeSH Terms]) OR prednisolone[MeSH Terms]) OR prednisone[MeSH Terms]) OR cortisone[MeSH Terms]) OR hydrocortisone[MeSH Terms]) OR ((corticosteroid* OR glucocorticoid* OR dexamethasone* OR methylprednisolone* OR prednisolone* OR prednisone* OR cortisone* OR hydrocortisone*[Text Word]))) OR ((tofacitinib OR tasocitinib OR Xeljanz OR cp690550 OR "cp 690550" OR "cp 690550"[Text Word]))) AND (((((((((((Case-Control Studies[MeSH Terms]) OR Control Groups[MeSH Terms]) OR ((case OR cases) AND and AND (control OR controls OR controlled) AND Title/Abstract))) OR (((case OR cases) AND and comparison*[Title/Abstract])) OR (((case OR cases) AND and "control group"[Title/Abstract])) OR (("case or cases" AND and AND "control groups"[Title/Abstract])) OR ((cohort OR longitudinal OR prospective OR retrospective[Title/Abstract])) OR cohort studies[MeSH Terms]) OR epidemiologic studies[MeSH Terms]) OR observational study[Title/Abstract]) OR observational studies[Title/Abstract])) OR (((((((Arthritis, Rheumatoid[mh:noexp]) OR rheumatoid arthriti*[Text Word]) AND (((((((((((((((((((hydroxychloroquine OR methotrexate OR sulfasalazine[MeSH Terms])) OR ((hydroxychloroquine* OR methotrexate* OR sulfasalazine* OR sulphasalazine* OR leflunomide*[Text Word])) OR ((adalimumab OR etanercept OR golimumab OR certolizumab OR infliximab[Text Word])) OR ((tocilizumab OR abatacept OR rituximab[Text Word])) OR disease modifying antirheumatic drug*[Text Word]) OR ((disease modifying anti-rheumatic drug* OR DMARD*[Text Word])) OR Receptors, Tumor Necrosis Factor/tu[MeSH Terms]) OR Tumor Necrosis Factor-alpha/tu[MeSH Terms]) OR tumor necrosis factor block*[Text Word]) OR tumour necrosis factor block*[Text Word]) OR tumor necrosis factor inhibitor*[Text Word]) OR tumour necrosis factor inhibitor*[Text Word]) OR ((TNF inhibitor* OR TNFi*[Text Word])) OR anti-TNF agent*) OR anti-TNF drug*) OR antibodies, monoclonal/tu[MeSH Terms]) OR (((mab ca2) OR (monoclonal antibod* AND ca2) AND Text Word)))) OR (((((((((((adrenal cortex hormones/tu[MeSH Terms]) OR glucocorticoids[MeSH Terms]) OR dexamethasone[MeSH Terms]) OR methylprednisolone[MeSH Terms]) OR prednisolone[MeSH Terms]) OR prednisone[MeSH Terms]) OR cortisone[MeSH Terms]) OR hydrocortisone[MeSH Terms]) OR ((corticosteroid* OR glucocorticoid* OR dexamethasone* OR methylprednisolone* OR prednisolone* OR prednisone* OR cortisone* OR hydrocortisone*[Text Word]))) OR ((tofacitinib OR tasocitinib OR Xeljanz OR cp690550 OR "cp 690550" OR "cp 690550"[Text Word]))) AND (((((((((((((((((((safe OR safety[Title/Abstract])) OR side effect[Title/Abstract]) OR ((adverse effect* OR adverse reaction* OR adverse event* OR adverse outcome*[Title/Abstract])) OR product surveillance, postmarketing[MeSH Terms]) OR adverse drug reaction reporting systems[MeSH Terms]) OR clinical trials, phase iv[MeSH Terms]) OR Clinical Trials, Phase III[MeSH Terms]) OR poisoning[MeSH Terms])</p>

Search	Query
	<p>OR drug toxicity[MeSH Terms]) OR abnormalities, drug induced[MeSH Terms]) OR drug monitoring[MeSH Terms]) OR drug hypersensitivity[MeSH Terms]) OR ((undesirable effect* OR undesirable reaction* OR undesirable event* OR undesirable outcome*[Title/Abstract])) OR ((harm* AND effect* OR harm* AND reaction* OR harm* AND event* OR harm* AND outcome*[Title/Abstract])) OR ((serious effect* OR serious reaction* OR serious event* OR serious outcome*[Title/Abstract])) OR ((toxic effect* OR toxic reaction* OR toxic event* OR toxic outcome*[Title/Abstract])) OR ((toxicity OR complication* OR noxious OR tolerability[Title/Abstract])) OR extension[Title/Abstract]) OR ((follow-on OR follow-up[Title/Abstract])) OR long-term data[Title/Abstract]) Filters: Publication date from 2014/03/04 to 2014/09/17</p>
#15	<p>Search (((((Arthritis, Rheumatoid[mh:noexp]) OR rheumatoid arthriti*[Text Word])) AND (((((((((((((((((((hydroxychloroquine OR methotrexate OR sulfasalazine[MeSH Terms]))) OR ((hydroxychloroquine* OR methotrexate* OR sulfasalazine* OR sulphasalazine* OR leflunomide*[Text Word])) OR ((adalimumab OR etanercept OR golimumab OR certolizumab OR infliximab[Text Word])) OR ((tocilizumab OR abatacept OR rituximab[Text Word])) OR disease modifying antirheumatic drug*[Text Word]) OR ((disease modifying anti-rheumatic drug* OR DMARD*[Text Word])) OR Receptors, Tumor Necrosis Factor/tu[MeSH Terms]) OR Tumor Necrosis Factor-alpha/tu[MeSH Terms]) OR tumor necrosis factor block*[Text Word]) OR tumour necrosis factor block*[Text Word]) OR tumor necrosis factor inhibitor*[Text Word]) OR tumour necrosis factor inhibitor*[Text Word]) OR ((TNF inhibitor* OR TNFi*[Text Word])) OR anti-TNF agent*) OR anti-TNF drug*) OR antibodies, monoclonal/tu[MeSH Terms]) OR (((mab ca2 OR (monoclonal antibod* AND ca2) AND Text Word)))) OR (((((((((((adrenal cortex hormones/tu[MeSH Terms]) OR glucocorticoids[MeSH Terms]) OR dexamethasone[MeSH Terms]) OR methylprednisolone[MeSH Terms]) OR prednisolone[MeSH Terms]) OR prednisone[MeSH Terms]) OR cortisone[MeSH Terms]) OR hydrocortisone[MeSH Terms]) OR ((corticosteroid* OR glucocorticoid* OR dexamethasone* OR methylprednisolone* OR prednisolone* OR prednisone* OR cortisone* OR hydrocortisone*[Text Word])) OR ((tofacitinib OR tasocitinib OR Xeljanz OR cp690550 OR "cp 690550" OR "cp 690550"[Text Word]))) AND (((((((((((((((safe OR safety[Title/Abstract])) OR side effect[Title/Abstract]) OR ((adverse effect* OR adverse reaction* OR adverse event* OR adverse outcome*[Title/Abstract])) OR product surveillance, postmarketing[MeSH Terms]) OR adverse drug reaction reporting systems[MeSH Terms]) OR clinical trials, phase iv[MeSH Terms]) OR Clinical Trials, Phase III[MeSH Terms]) OR poisoning[MeSH Terms]) OR drug toxicity[MeSH Terms]) OR abnormalities, drug induced[MeSH Terms]) OR drug monitoring[MeSH Terms]) OR drug hypersensitivity[MeSH Terms]) OR ((undesirable effect* OR undesirable reaction* OR undesirable event* OR undesirable outcome*[Title/Abstract])) OR ((harm* AND effect* OR harm* AND reaction* OR harm* AND event* OR harm* AND outcome*[Title/Abstract])) OR ((serious effect* OR serious reaction* OR serious event* OR serious outcome*[Title/Abstract])) OR ((toxic effect* OR</p>

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	toxic reaction* OR toxic event* OR toxic outcome*[Title/Abstract])) OR ((toxicity OR complication* OR noxious OR tolerability[Title/Abstract])) OR extension[Title/Abstract] OR ((follow-on OR follow-up[Title/Abstract])) OR long-term data[Title/Abstract]
#14	Search (((((((((((((((((((safe OR safety[Title/Abstract])) OR side effect[Title/Abstract]) OR ((adverse effect* OR adverse reaction* OR adverse event* OR adverse outcome*[Title/Abstract])) OR product surveillance, postmarketing[MeSH Terms]) OR adverse drug reaction reporting systems[MeSH Terms]) OR clinical trials, phase iv[MeSH Terms]) OR Clinical Trials, Phase III[MeSH Terms]) OR poisoning[MeSH Terms]) OR drug toxicity[MeSH Terms]) OR abnormalities, drug induced[MeSH Terms]) OR drug monitoring[MeSH Terms]) OR drug hypersensitivity[MeSH Terms]) OR ((undesirable effect* OR undesirable reaction* OR undesirable event* OR undesirable outcome*[Title/Abstract])) OR ((harm* AND effect* OR harm* AND reaction* OR harm* AND event* OR harm* AND outcome*[Title/Abstract])) OR ((serious effect* OR serious reaction* OR serious event* OR serious outcome*[Title/Abstract])) OR ((toxic effect* OR toxic reaction* OR toxic event* OR toxic outcome*[Title/Abstract])) OR ((toxicity OR complication* OR noxious OR tolerability[Title/Abstract])) OR extension[Title/Abstract] OR ((follow-on OR follow-up[Title/Abstract])) OR long-term data[Title/Abstract]
#13	Search (((((Arthritis, Rheumatoid[mh:noexp]) OR rheumatoid arthriti*[Text Word])) AND (((((((((((((((((((hydroxychloroquine OR methotrexate OR sulfasalazine[MeSH Terms])) OR ((hydroxychloroquine* OR methotrexate* OR sulfasalazine* OR sulphasalazine* OR leflunomide*[Text Word])) OR ((adalimumab OR etanercept OR golimumab OR certolizumab OR infliximab[Text Word])) OR ((tocilizumab OR abatacept OR rituximab[Text Word])) OR disease modifying antirheumatic drug*[Text Word]) OR ((disease modifying anti-rheumatic drug* OR DMARD*[Text Word])) OR Receptors, Tumor Necrosis Factor/tu[MeSH Terms]) OR Tumor Necrosis Factor-alpha/tu[MeSH Terms]) OR tumor necrosis factor block*[Text Word]) OR tumour necrosis factor block*[Text Word]) OR tumor necrosis factor inhibitor*[Text Word]) OR tumour necrosis factor inhibitor*[Text Word]) OR ((TNF inhibitor* OR TNFi*[Text Word])) OR anti-TNF agent*) OR anti-TNF drug*) OR antibodies, monoclonal/tu[MeSH Terms]) OR (((mab ca2) OR (monoclonal antibod* AND ca2) AND Text Word))) OR (((((((((((adrenal cortex hormones/tu[MeSH Terms]) OR glucocorticoids[MeSH Terms]) OR dexamethasone[MeSH Terms]) OR methylprednisolone[MeSH Terms]) OR prednisolone[MeSH Terms]) OR prednisone[MeSH Terms]) OR cortisone[MeSH Terms]) OR hydrocortisone[MeSH Terms]) OR ((corticosteroid* OR glucocorticoid* OR dexamethasone* OR methylprednisolone* OR prednisolone* OR prednisone* OR cortisone* OR hydrocortisone*[Text Word])) OR ((tofacitinib OR tasocitinib OR Xeljanz OR cp690550 OR "cp 690550" OR "cp 690550"[Text Word]))) AND (((((((((((Case-Control Studies[MeSH Terms]) OR Control Groups[MeSH Terms]) OR ((case OR cases) AND and AND (control OR controls OR controlled) AND Title/Abstract))) OR (((case OR cases) AND and

Search	Query
	<p>comparison*[Title/Abstract])) OR (((case OR cases) AND and AND "control group"[Title/Abstract])) OR (("case or cases" AND and AND "control groups"[Title/Abstract])) OR ((cohort OR longitudinal OR prospective OR retrospective[Title/Abstract])) OR cohort studies[MeSH Terms] OR epidemiologic studies[MeSH Terms] OR observational study[Title/Abstract] OR observational studies[Title/Abstract])</p>
#12	<p>Search ((((((((((Case-Control Studies[MeSH Terms] OR Control Groups[MeSH Terms] OR (((case OR cases) AND and AND (control OR controls OR controlled) AND Title/Abstract))) OR (((case OR cases) AND and comparison*[Title/Abstract])) OR (((case OR cases) AND and AND "control group"[Title/Abstract])) OR (("case or cases" AND and AND "control groups"[Title/Abstract])) OR ((cohort OR longitudinal OR prospective OR retrospective[Title/Abstract])) OR cohort studies[MeSH Terms] OR epidemiologic studies[MeSH Terms] OR observational study[Title/Abstract] OR observational studies[Title/Abstract]</p>
#11	<p>Search (((((Arthritis, Rheumatoid[mh:noexp] OR rheumatoid arthriti*[Text Word])) AND (((((((((((((((((((hydroxychloroquine OR methotrexate OR sulfasalazine[MeSH Terms])) OR ((hydroxychloroquine* OR methotrexate* OR sulfasalazine* OR sulphasalazine* OR leflunomide*[Text Word])) OR ((adalimumab OR etanercept OR golimumab OR certolizumab OR infliximab[Text Word])) OR ((tocilizumab OR abatacept OR rituximab[Text Word])) OR disease modifying antirheumatic drug*[Text Word] OR ((disease modifying anti-rheumatic drug* OR DMARD*[Text Word])) OR Receptors, Tumor Necrosis Factor/tu[MeSH Terms] OR Tumor Necrosis Factor-alpha/tu[MeSH Terms] OR tumor necrosis factor block*[Text Word] OR tumour necrosis factor block*[Text Word] OR tumor necrosis factor inhibitor*[Text Word] OR tumour necrosis factor inhibitor*[Text Word] OR ((TNF inhibitor* OR TNFi*[Text Word])) OR anti-TNF agent*) OR anti-TNF drug*) OR antibodies, monoclonal/tu[MeSH Terms] OR (((mab ca2) OR (monoclonal antibod* AND ca2) AND Text Word)))) OR (((((((((((adrenal cortex hormones/tu[MeSH Terms] OR glucocorticoids[MeSH Terms] OR dexamethasone[MeSH Terms] OR methylprednisolone[MeSH Terms] OR prednisolone[MeSH Terms] OR prednisone[MeSH Terms] OR cortisone[MeSH Terms] OR hydrocortisone[MeSH Terms] OR ((corticosteroid* OR glucocorticoid* OR dexamethasone* OR methylprednisolone* OR prednisolone* OR prednisone* OR cortisone* OR hydrocortisone*[Text Word])) OR ((tofacitinib OR tasocitinib OR Xeljanz OR cp690550 OR "cp 690550" OR "cp 690550"[Text Word])))) AND (((((((randomized controlled trial[Publication Type] OR controlled clinical trial[Publication Type] OR randomized[Title/Abstract] OR placebo[Title] OR drug therapy[MeSH Subheading] OR randomly[Title/Abstract] OR trial[Title/Abstract] OR groups[Title/Abstract])</p>

Search	Query
#10	Search (((((((randomized controlled trial[Publication Type]) OR controlled clinical trial[Publication Type]) OR randomized[Title/Abstract]) OR placebo[Title]) OR drug therapy[MeSH Subheading]) OR randomly[Title/Abstract]) OR trial[Title/Abstract]) OR groups[Title/Abstract]
#9	Search (((((Arthritis, Rheumatoid[mh:noexp]) OR rheumatoid arthriti*[Text Word])) AND (((((((((((((((((((hydroxychloroquine OR methotrexate OR sulfasalazine[MeSH Terms]))) OR ((hydroxychloroquine* OR methotrexate* OR sulfasalazine* OR sulphasalazine* OR leflunomide*[Text Word]))) OR ((adalimumab OR etanercept OR golimumab OR certolizumab OR infliximab[Text Word])) OR ((tocilizumab OR abatacept OR rituximab[Text Word])) OR disease modifying antirheumatic drug*[Text Word]) OR ((disease modifying anti-rheumatic drug* OR DMARD*[Text Word])) OR Receptors, Tumor Necrosis Factor/tu[MeSH Terms]) OR Tumor Necrosis Factor-alpha/tu[MeSH Terms]) OR tumor necrosis factor block*[Text Word]) OR tumour necrosis factor block*[Text Word]) OR tumor necrosis factor inhibitor*[Text Word]) OR tumour necrosis factor inhibitor*[Text Word]) OR ((TNF inhibitor* OR TNFi*[Text Word])) OR anti-TNF agent*) OR anti-TNF drug*) OR antibodies, monoclonal/tu[MeSH Terms]) OR (((mab ca2) OR (monoclonal antibod* AND ca2) AND Text Word)))) OR (((((((((((adrenal cortex hormones/tu[MeSH Terms]) OR glucocorticoids[MeSH Terms]) OR dexamethasone[MeSH Terms]) OR methylprednisolone[MeSH Terms]) OR prednisolone[MeSH Terms]) OR prednisone[MeSH Terms]) OR cortisone[MeSH Terms]) OR hydrocortisone[MeSH Terms]) OR ((corticosteroid* OR glucocorticoid* OR dexamethasone* OR methylprednisolone* OR prednisolone* OR prednisone* OR cortisone* OR hydrocortisone*[Text Word])) OR ((tofacitinib OR tasocitinib OR Xeljanz OR cp690550 OR "cp 690550" OR "cp 690550"[Text Word]))) AND (((MEDLINE[Text Word]) OR ((systematic AND review[Title/Abstract]))) OR meta analysis[Publication Type])
#8	Search ((MEDLINE[Text Word]) OR ((systematic AND review[Title/Abstract]))) OR meta analysis[Publication Type]
#7	Search (((Arthritis, Rheumatoid[mh:noexp]) OR rheumatoid arthriti*[Text Word])) AND (((((((((((((((((((hydroxychloroquine OR methotrexate OR sulfasalazine[MeSH Terms]))) OR ((hydroxychloroquine* OR methotrexate* OR sulfasalazine* OR sulphasalazine* OR leflunomide*[Text Word]))) OR ((adalimumab OR etanercept OR golimumab OR certolizumab OR infliximab[Text Word])) OR ((tocilizumab OR abatacept OR rituximab[Text Word])) OR disease modifying antirheumatic drug*[Text Word]) OR ((disease modifying anti-rheumatic drug* OR DMARD*[Text Word])) OR Receptors, Tumor Necrosis Factor/tu[MeSH Terms]) OR Tumor Necrosis Factor-alpha/tu[MeSH Terms]) OR tumor necrosis factor block*[Text Word]) OR tumour necrosis factor block*[Text Word]) OR tumor necrosis factor inhibitor*[Text Word]) OR tumour necrosis factor inhibitor*[Text Word]) OR ((TNF inhibitor* OR TNFi*[Text Word])) OR anti-TNF

Search	Query
	<p>agent*) OR anti-TNF drug*) OR antibodies, monoclonal/tu[MeSH Terms]) OR (((mab ca2) OR (monoclonal antibod* AND ca2) AND Text Word)))) OR (((((((((((adrenal cortex hormones/tu[MeSH Terms]) OR glucocorticoids[MeSH Terms]) OR dexamethasone[MeSH Terms]) OR methylprednisolone[MeSH Terms]) OR prednisolone[MeSH Terms]) OR prednisone[MeSH Terms]) OR cortisone[MeSH Terms]) OR hydrocortisone[MeSH Terms]) OR ((corticosteroid* OR glucocorticoid* OR dexamethasone* OR methylprednisolone* OR prednisolone* OR prednisone* OR cortisone* OR hydrocortisone*[Text Word]))) OR ((tofacinib OR tasocitinib OR Xeljanz OR cp690550 OR "cp 690550" OR "cp 690 550"[Text Word])))</p>
#6	<p>Search (((((((((((((((((((hydroxychloroquine OR methotrexate OR sulfasalazine[MeSH Terms]))) OR ((hydroxychloroquine* OR methotrexate* OR sulfasalazine* OR sulphasalazine* OR leflunomide*[Text Word]))) OR ((adalimumab OR etanercept OR golimumab OR certolizumab OR infliximab[Text Word]))) OR ((tocilizumab OR abatacept OR rituximab[Text Word]))) OR disease modifying antirheumatic drug*[Text Word]) OR ((disease modifying anti-rheumatic drug* OR DMARD*[Text Word]))) OR Receptors, Tumor Necrosis Factor/tu[MeSH Terms]) OR Tumor Necrosis Factor-alpha/tu[MeSH Terms]) OR tumor necrosis factor block*[Text Word]) OR tumour necrosis factor block*[Text Word]) OR tumor necrosis factor inhibitor*[Text Word]) OR tumour necrosis factor inhibitor*[Text Word]) OR ((TNF inhibitor* OR TNFi*[Text Word]))) OR anti-TNF agent*) OR anti-TNF drug*) OR antibodies, monoclonal/tu[MeSH Terms]) OR (((mab ca2) OR (monoclonal antibod* AND ca2) AND Text Word)))) OR (((((((((((adrenal cortex hormones/tu[MeSH Terms]) OR glucocorticoids[MeSH Terms]) OR dexamethasone[MeSH Terms]) OR methylprednisolone[MeSH Terms]) OR prednisolone[MeSH Terms]) OR prednisone[MeSH Terms]) OR cortisone[MeSH Terms]) OR hydrocortisone[MeSH Terms]) OR ((corticosteroid* OR glucocorticoid* OR dexamethasone* OR methylprednisolone* OR prednisolone* OR prednisone* OR cortisone* OR hydrocortisone*[Text Word]))) OR ((tofacinib OR tasocitinib OR Xeljanz OR cp690550 OR "cp 690550" OR "cp 690 550"[Text Word])))</p>
#5	<p>Search (((((((((((adrenal cortex hormones/tu[MeSH Terms]) OR glucocorticoids[MeSH Terms]) OR dexamethasone[MeSH Terms]) OR methylprednisolone[MeSH Terms]) OR prednisolone[MeSH Terms]) OR prednisone[MeSH Terms]) OR cortisone[MeSH Terms]) OR hydrocortisone[MeSH Terms]) OR ((corticosteroid* OR glucocorticoid* OR dexamethasone* OR methylprednisolone* OR prednisolone* OR prednisone* OR cortisone* OR hydrocortisone*[Text Word]))) OR ((tofacinib OR tasocitinib OR Xeljanz OR cp690550 OR "cp 690550" OR "cp 690 550"[Text Word])))</p>
#4	<p>Search (((((((((((((((((((hydroxychloroquine OR methotrexate OR sulfasalazine[MeSH Terms]))) OR ((hydroxychloroquine* OR methotrexate* OR sulfasalazine* OR sulphasalazine* OR leflunomide*[Text Word]))) OR ((adalimumab OR etanercept OR</p>

Search	Query
	<p>golimumab OR certolizumab OR infliximab[Text Word])) OR ((tocilizumab OR abatacept OR rituximab[Text Word])) OR disease modifying antirheumatic drug*[Text Word]) OR ((disease modifying anti-rheumatic drug* OR DMARD*[Text Word])) OR Receptors, Tumor Necrosis Factor/tu[MeSH Terms]) OR Tumor Necrosis Factor-alpha/tu[MeSH Terms]) OR tumor necrosis factor block*[Text Word]) OR tumour necrosis factor block*[Text Word]) OR tumor necrosis factor inhibitor*[Text Word]) OR tumour necrosis factor inhibitor*[Text Word]) OR ((TNF inhibitor* OR TNFi*[Text Word])) OR anti-TNF agent*) OR anti-TNF drug*) OR antibodies, monoclonal/tu[MeSH Terms]) OR (((mab ca2) OR (monoclonal antibod* AND ca2) AND Text Word))</p>
#3	<p>Search (Arthritis, Rheumatoid[mh:noexp]) OR rheumatoid arthriti*[Text Word]</p>
#2	<p>Search rheumatoid arthriti*[Text Word]</p>
#1	<p>Search Arthritis, Rheumatoid[mh:noexp]</p>

G. Embase Search Strategy – Update search performed Sept 17, 2014

Database: Embase <1974 to 2014 September 16>

Search Strategy:

-
- 1 rheumatoid arthritis/
 - 2 rheumatoid arthritis.tw.
 - 3 1 or 2
 - 4 hydroxychloroquine/
 - 5 methotrexate/
 - 6 salazosulfapyridine/
 - 7 leflunomide/
 - 8 (hydroxychloroquine\$ or methotrexate\$ or sulfasalazine\$ or sulphasalazine\$ or leflunomide\$).tw.
 - 9 adalimumab/
 - 10 etanercept/
 - 11 golimumab/
 - 12 certolizumab pegol/
 - 13 infliximab/
 - 14 (adalimumab or etanercept or golimumab or certolizumab or infliximab).tw.
 - 15 tocilizumab/
 - 16 abatacept/
 - 17 rituximab/
 - 18 (tocilizumab or abatacept or rituximab).tw.
 - 19 disease modifying antirheumatic drug\$.ti,ab.
 - 20 (disease modifying anti-rheumatic drug\$ or DMARD\$).ti,ab.
 - 21 tumor necrosis factor/dt
 - 22 ((tumor or tumour) adj necrosis factor adj (block\$ or inhibitor\$)).ti,ab.
 - 23 (TNF inhibitor\$ or TNFi).ti,ab.
 - 24 (anti TNF adj (agent\$ or drug\$)).tw.
 - 25 (anti-TNF adj (agent\$ or drug\$)).tw.
 - 26 monoclonal antibody/dt [Drug Therapy]
 - 27 or/4-26
 - 28 corticosteroid/dt [Drug Therapy]
 - 29 glucocorticoid/
 - 30 prednisolone/
 - 31 prednisone/
 - 32 methylprednisolone/
 - 33 meprednisone/
 - 34 cortisone/
 - 35 hydrocortisone/
 - 36 dexamethasone/
 - 37 (corticosteroid\$ or glucocorticoid\$ or dexamethasone\$ or methylprednisolone\$ or methylprednisone\$ or prednisolone\$ or prednisone\$ or cortisone\$ or hydrocortisone\$).tw.
 - 38 tofacitinib/
 - 39 (tofacitinib or tasocitinib or Xeljanz or cp690550 or "cp 690550" or "cp 690 550").tw.
 - 40 or/28-39
 - 41 27 or 40
 - 42 3 and 41
 - 43 MEDLINE.tw.
 - 44 exp systematic review/ or systematic review.tw.
 - 45 meta-analysis/
 - 46 intervention\$.ti. [health-evidence.ca Systematic review filter Ovid technologies format] Source: Lee E, Dobbins M, DeCorby K, McRae L, Tirilis D, Husson H. BMC Med Res Methodol 2012, 12:51. <http://www.biomedcentral.com/1471-2288/12/5134>
 - 47 or/43-46
 - 48 42 and 47

49 random:.tw.
50 placebo:.mp.
51 double-blind:.tw.
52 or/49-51
53 42 and 52
54 exp cohort analysis/
55 exp longitudinal study/
56 exp prospective study/
57 exp follow up/
58 cohort\$.tw.
59 exp case control study/
60 (case\$ and control\$).tw.
61 exp case study/
62 (case\$ and series).tw.
63 case report/
64 (case\$ adj2 report\$).tw.
65 (case\$ adj2 stud\$).tw.
66 observational stud\$.tw.
67 or/54-66
68 42 and 67
69 adverse drug reaction/
70 toxicity/
71 drug contraindication/
72 (adverse adj (effect\$ or reaction\$ or event\$ or incident\$)).tw.
73 (toxic\$ or ((injurious or undesirable) adj (effect\$ or reaction\$ or event\$ or incident\$))).tw.
74 (safety or ((drug or chemical\$) adj induced)).tw.
75 extension stud\$.tw.
76 continuation stud\$.tw.
77 ((follow on or follow up) adj trial*).tw.
78 long-term data.ti,ab.
79 or/69-78
80 42 and 79
81 48 or 53 or 68 or 80
82 limit 81 to adult <18 to 64 years>
83 limit 81 to aged <65+ years>
84 82 or 83
85 limit 84 to conference abstract
86 limit 84 to conference paper
87 limit 84 to conference proceeding
88 limit 84 to "conference review"
89 or/85-88
90 84 not 89
91 limit 90 to em=201409-201438
92 limit 91 to english language

H. Cochrane Search Strategy – Update search performed Sept 17, 2014

- #1 MeSH descriptor: [Arthritis, Rheumatoid] this term only
- #2 "rheumatoid arthritis":ti,ab,kw (Word variations have been searched)
- #3 #1 or #2
- #4 MeSH descriptor: [Hydroxychloroquine] explode all trees
- #5 MeSH descriptor: [Methotrexate] explode all trees
- #6 MeSH descriptor: [Sulfasalazine] explode all trees
- #7 hydroxychloroquine* or methotrexate* or sulfasalazine* or sulphasalazine* or leflunomide*:ti,ab,kw (Word variations have been searched)
- #8 adalimumab or etanercept or golimumab or certolizumab pegol or infliximab:ti,ab,kw (Word variations have been searched)
- #9 tocilizumab or abatacept or rituximab:ti,ab,kw (Word variations have been searched)
- #10 MeSH descriptor: [Receptors, Tumor Necrosis Factor] explode all trees
- #11 disease modifying antirheumatic drug*:ti,ab,kw
- #12 disease modifying anti-rheumatic drug* or DMARD*:ti,ab,kw
- #13 MeSH descriptor: [Receptors, Tumor Necrosis Factor] explode all trees and with qualifier(s): [Therapeutic use - TU]
- #14 MeSH descriptor: [Tumor Necrosis Factor-alpha] explode all trees and with qualifier(s): [Therapeutic use - TU]
- #15 MeSH descriptor: [Antibodies, Monoclonal] explode all trees and with qualifier(s): [Therapeutic use - TU]
- #16 {or #4-#15}
- #17 #3 and #16
- #18 MeSH descriptor: [Glucocorticoids] explode all trees
- #19 MeSH descriptor: [Adrenal Cortex Hormones] this term only and with qualifier(s): [Therapeutic use - TU]
- #20 MeSH descriptor: [Dexamethasone] explode all trees
- #21 MeSH descriptor: [Prednisolone] explode all trees
- #22 MeSH descriptor: [Prednisone] explode all trees
- #23 MeSH descriptor: [Methylprednisolone] explode all trees
- #24 MeSH descriptor: [Cortisone] explode all trees
- #25 MeSH descriptor: [Hydrocortisone] explode all trees
- #26 glucocorticoid* or dexamethasone* or prednisolone* or prednisone* methylprednisolone* or methylprednisone* or cortisone* or hydrocortisone* or tofacitinib*:ti,ab,kw (Word variations have been searched)
- #27 corticosteroid*
- #28 {or #18-#27}
- #29 #3 and #28
- #30 #17 or #29 Publication Year from 2014 to 2014

I. Hepatitis C Search Strategy– OVID Medline – Performed Nov, 15, 2014

Database: Ovid MEDLINE(R) In-Process & Other Non-Indexed Citations and Ovid MEDLINE(R) <1946 to Present>

Search Strategy:

-
- 1 exp hepatitis C/
 - 2 (hepatitis adj C).tw.
 - 3 1 or 2
 - 4 exp Immunosuppression/
 - 5 immunosuppress\$.tw.
 - 6 4 or 5
 - 7 3 and 6
 - 8 hydroxychloroquine/ or methotrexate/ or sulfasalazine/
 - 9 (hydroxychloroquine\$ or methotrexate\$ or sulfasalazine\$ or sulphasalazine\$ or leflunomide\$).tw.
 - 10 (adalimumab or etanercept or golimumab or certolizumab or infliximab).tw.
 - 11 (tocilizumab or abatacept or rituximab).tw.
 - 12 disease modifying antirheumatic drug\$.tw.
 - 13 (disease modifying anti-rheumatic drug\$ or DMARD\$).tw.
 - 14 exp Receptors, Tumor Necrosis Factor/tu
 - 15 Tumor Necrosis Factor-alpha/tu
 - 16 ((tumor or tumour) adj necrosis factor adj (block\$ or inhibitor\$)).tw.
 - 17 (TNF inhibitor\$ or TNFi).tw.
 - 18 (anti-TNF or anti TNF).tw.
 - 19 or/16-18
 - 20 19 and (tu or dt).fs.
 - 21 exp antibodies, monoclonal/tu
 - 22 (mab ca2 or monoclonal antibod\$ ca2).tw. and (dt or tu).fs.
 - 23 or/8-15,20-22
 - 24 3 and 23
 - 25 limit 24 to yr="2009 -Current"
 - 26 7 and 23
 - 27 limit 26 to yr="2009 -Current"
 - 28 adrenal cortex hormones/tu
 - 29 adrenal cortex hormones/ and tu.fs.
 - 30 glucocorticoids/ or dexamethasone/ or exp methylprednisolone/ or prednisolone/ or prednisone/ or cortisone/ or exp hydrocortisone/
 - 31 (corticosteroid\$ or glucocorticoid\$ or dexamethasone\$ or methylprednisolone\$ or prednisolone\$ or prednisone\$ or cortisone\$ or hydrocortisone\$).tw.
 - 32 (tofacitinib or tasocitinib or Xeljanz or cp690550 or "cp 690550" or "cp 690 550").tw.
 - 33 or/28-32
 - 34 3 and 33
 - 35 7 and 33
 - 36 25 or 34
 - 37 limit 36 to "all adult (19 plus years)"
 - 38 limit 37 to english language
 - 39 27 or 35
 - 40 limit 39 to "all adult (19 plus years)"
 - 41 limit 40 to english language

J. Hepatitis C Search Strategy – Embase – Performed Nov. 14, 2014

Database: Embase <1974 to 2014 November 13>

Search Strategy:

-
- 1 hepatitis C/
 - 2 (hepatitis adj C).tw.
 - 3 1 or 2
 - 4 immunosuppress\$.tw,kw.
 - 5 exp immunosuppressive treatment/
 - 6 4 or 5
 - 7 3 and 6
 - 8 hydroxychloroquine/
 - 9 methotrexate/
 - 10 salazosulfapyridine/
 - 11 leflunomide/
 - 12 (hydroxychloroquine\$ or methotrexate\$ or sulfasalazine\$ or sulphasalazine\$ or leflunomide\$).tw.
 - 13 adalimumab/
 - 14 etanercept/
 - 15 golimumab/
 - 16 certolizumab pegol/
 - 17 infliximab/
 - 18 (adalimumab or etanercept or golimumab or certolizumab or infliximab).tw.
 - 19 tocilizumab/
 - 20 abatacept/
 - 21 rituximab/
 - 22 (tocilizumab or abatacept or rituximab).tw.
 - 23 disease modifying antirheumatic drug\$.ti,ab.
 - 24 (disease modifying anti-rheumatic drug\$ or DMARD\$).ti,ab.
 - 25 tumor necrosis factor/dt
 - 26 ((tumor or tumour) adj necrosis factor adj (block\$ or inhibitor\$)).ti,ab.
 - 27 (TNF inhibitor\$ or TNFi).ti,ab.
 - 28 (anti TNF adj (agent\$ or drug\$)).tw.
 - 29 (anti-TNF adj (agent\$ or drug\$)).tw.
 - 30 monoclonal antibody/dt [Drug Therapy]
 - 31 or/8-30
 - 32 3 and 31
 - 33 limit 32 to yr="2009 -Current"
 - 34 7 and 31
 - 35 limit 34 to yr="2009 -Current"

K. Hepatitis C - Cochrane Library Search Strategy – Performed Nov 14, 2014

- #1 MeSH descriptor: [Hepatitis C] explode all trees
- #2 "hepatitis c"
- #3 #1 or #2
- #4 MeSH descriptor: [Immunosuppression] explode all trees
- #5 immunosuppress*
- #6 #4 or #5
- #7 MeSH descriptor: [Hydroxychloroquine] explode all trees
- #8 MeSH descriptor: [Methotrexate] explode all trees
- #9 MeSH descriptor: [Sulfasalazine] explode all trees
- #10 hydroxychloroquine* or methotrexate* or sulfasalazine* or sulphasalazine* or leflunomide*:ti,ab,kw (Word variations have been searched)
- #11 adalimumab or etanercept or golimumab or certolizumab pegol or infliximab:ti,ab,kw
(Word variations have been searched)
- #12 tocilizumab or abatacept or rituximab:ti,ab,kw (Word variations have been searched)
- #13 MeSH descriptor: [Receptors, Tumor Necrosis Factor] explode all trees
- #14 disease modifying antirheumatic drug*:ti,ab,kw
- #15 disease modifying anti-rheumatic drug* or DMARD*:ti,ab,kw
- #16 MeSH descriptor: [Receptors, Tumor Necrosis Factor] explode all trees and with
qualifier(s):
[Therapeutic use - TU]
- #17 MeSH descriptor: [Tumor Necrosis Factor-alpha] explode all trees
- #18 MeSH descriptor: [Antibodies, Monoclonal] explode all trees
- #19 {or #7-#18}
- #20 #19
- #21 #3 and #19 Publication Year from 2009 to 2014
- #22 #3 and #6 and #19 Publication Year from 2009 to 2014
- #23 MeSH descriptor: [Glucocorticoids] explode all trees
- #24 MeSH descriptor: [Adrenal Cortex Hormones] explode all trees and with qualifier(s):
[Therapeutic use - TU]
- #25 MeSH descriptor: [Dexamethasone] explode all trees
- #26 MeSH descriptor: [Prednisolone] explode all trees
- #27 MeSH descriptor: [Prednisone] explode all trees
- #28 MeSH descriptor: [Methylprednisolone] explode all trees
- #29 MeSH descriptor: [Cortisone] explode all trees
- #30 glucocorticoid* or dexamethasone* or prednisolone* or prednisone* methylprednisolone*
or
methylprednisone* or cortisone* or tofacitinib*:ti,ab,kw (Word variations have been
searched)
- #31 corticosteroid*
- #32 {or #23-#31}
- #33 #32

#34 #3 and #32
#35 #3 and #6 and #32
#36 #21 or #34
#37 #22 or #35