# Supplementary materials 2 - Search syntax used in literature review

**Embase (1996 to present)**

genetic\*.ti,ab.

exp genetics/

genomic\*.ti,ab.

exp genomics/

pharmacogenetic\*.ti,ab.

exp pharmacogenetics/

pharmacogenomic\*.ti,ab.

exp pharmacogenomics

$omic\*.ti,ab.

exp omics/

or/1-10

methodol\*.ti,ab.

case stud\*.ti,ab.

method\*.ti.

or/12-14

economic adj3 evaluation. ti,ab.

exp health economics/ or exp economic evaluation/

cost adj3 effectiveness. ti,ab.

exp "cost effectiveness analysis"/

cost adj3 benefit. ti,ab.

exp "cost benefit analysis"/

cost adj3 utility. ti,ab.

exp "cost utility analysis"/ or exp "quality of life"/

cost adj3 minimi#ation. ti,ab.

exp "cost minimization analysis"

cost adj3 consequence.ti,ab.

cost\*. ti,ab.

exp "health care cost"/ or exp "cost"/

pharmacoeconomic\*.ti,ab.

life year\*.ti,ab.

quality adjusted.ti,ab.

utilit\*.ti,ab.

benefit.ti,ab.

Or/16-33

11 and 15 and 34

limit 35 to english language

limit 36 to human

limit 37 to yr="2013 -Current"

**Medline In-Process, In-Data Review & Other Non-Indexed Citations and Medline 1946 to present**

genetic\*.ti,ab.

exp genetics/

genomic\*.ti,ab.

exp genomics/

pharmacogenetic\*.ti,ab.

exp pharmacogenetics/

pharmacogenomic\*.ti,ab.

exp pharmacogenomics

omic\*.ti,ab.

exp omics/

or/1-10

methodol\*.ti,ab.

case stud\*.ti,ab.

method\*.ti.

or/12-14

economic adj3 evaluation.ti,ab.

exp Economics, Medical/ or exp Health Care Rationing/

cost adj3 effectiveness. ti,ab.

cost adj3 benefit.ti,ab.

exp cost benefit analysis/

cost adj3 utility.ti,ab.

exp "quality of life"/

cost adj3 minimi#ation.ti,ab.

cost adj3 consequence.ti,ab.

cost\*. ti,ab.

exp "costs and cost analysis"/ or exp Health Care Costs/

pharmacoeconomic\*.ti,ab.

life year\*.ti,ab.

quality adjusted.ti,ab.

utilit\*.ti,ab.

benefit.ti,ab.

exp Quality-Adjusted Life Years/

or/16-31

11 and 15 and 32

limit 33 to english language

limit 34 to human

limit 35 to yr="2013 -Current"

**Econlit**

AB ( genetic OR genomic OR pharmacogenomic OR pharmacogenetic OR omic\* ) AND AB ( "case stud\*" OR method OR methodol\* ) AND AB ( economic NEAR/3 evaluation OR cost NEAR/3 effectiveness OR cost NEAR/3 benefit OR cost NEAR/3 utility OR cost NEAR/3 minimi?ation OR pharmacoeconomic\* OR "life year" OR "quality adjusted" OR utilit\* OR benefit )

2013 until present

**The Cochrane Library**

Searched for the following in title, abstract and keywords (combined with AND):

genetic\* or genomic\* or pharmacogenetic\* or pharmacogenomic\* or omic\*

method\* or case stud\*

economic evaluation or cost benefit or cost utility or cost effectiveness or cost minimisation or cost consequence or cost\* or pharmacoeconomic\* or life year\* or quality adjusted\* or utilit\* or benefit

Limited to 2013 to present

**Centre for Reviews and Dissemination**

Searched for the following across all 3 databases (combined with AND):

genetic\* or genomic\* or pharmacogenetic\* or pharmacogenomic\* or omic\* [any field]

method\* or case stud\* [title]

economic evaluation or cost benefit or cost utility or cost effectiveness or cost minimisation or cost consequence or cost\* or pharmacoeconomic\* or life year\* or quality adjusted\* or utilit\* or benefit [any field]

Date limited to 2013 to present