

# Sample interaction rule 2 Ciclosporin / Statin

## Evoke Section

### Evoke templates used:

[EKS\\_ORDER\\_ACTION\\_DETAIL\\_E](#)

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Evoke on SIGNORDER where :

[E1EKS\\_ORDER\\_ACTION\\_DETAIL\\_E](#)

orders exist that was ordered as Atorvastatin, Simvastatin, Rosuvastatin, Fluvastatin, Pravastatin, CicloSPORIN, CicloSPORIN (Neoral) Oral solution, CicloSPORIN (Neoral), CicloSPORIN Injection, Ciclosporin SEE IMMUNOSUPPRESSION PRESCRIPTION CHART with action of Order, Resume, Resume/Renew and order detail OPT\_ORDER\_DETAIL OPT\_QUALIFIER OPT\_LIST1 and OPT\_LIST2

## Logic Section

### Logic templates used:

[EKS\\_LOGIC\\_TRUE](#), [EKS\\_STOP\\_LOGIC\\_L](#), [EKS\\_ORDER\\_MED\\_INCOMING\\_L](#),  
[EKS\\_ORDERS\\_FIND\\_L](#), [EKS\\_ORDERS\\_DETAIL\\_L](#)

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[L1EKS\\_LOGIC\\_TRUE](#)

LOGIC is true

[L2EKS\\_STOP\\_LOGIC\\_L](#)

the following templates are false, CONTINUE logic evaluation

[L3EKS\\_ORDER\\_MED\\_INCOMING\\_L](#)

the triggering request contains an order that was ordered as Simvastatin, Rosuvastatin, Fluvastatin, Pravastatin with a dose OPT\_EVALUATION OPT\_DOSE OPT\_DOSE\_UNIT and route of OPT\_ROUTE whose ordering physician OPT\_QUALIFIER in OPT\_ORDDOC

[L4EKS\\_ORDER\\_MED\\_INCOMING\\_L](#)

the triggering request contains an order that was ordered as Atorvastatin with a dose greater than 10 mg and route of OPT\_ROUTE whose ordering physician OPT\_QUALIFIER in OPT\_ORDDOC

[L5EKS\\_ORDER\\_MED\\_INCOMING\\_L](#)

the triggering request contains an order that was ordered as CicloSPORIN, CicloSPORIN (Neoral) Oral solution, CicloSPORIN (Neoral), CicloSPORIN Injection, Ciclosporin SEE IMMUNOSUPPRESSION PRESCRIPTION CHART with a dose OPT\_EVALUATION OPT\_DOSE OPT\_DOSE\_UNIT and route of OPT\_ROUTE whose ordering physician OPT\_QUALIFIER in OPT\_ORDDOC

## L6EKS\_ORDERS\_FIND\_L

orders exist that was ordered as Simvastatin, Rosuvastatin, Fluvastatin with order status of Ordered on the same encounter as L1 whose date criteria is OPT\_QUAL OPT\_TIME\_NUM OPT\_TIME\_UNIT from the anchor OPT\_ANCHOR\_DT\_TM.

## L7EKS\_ORDERS\_FIND\_L

orders exist that was ordered as Atorvastatin with order status of Ordered on the same encounter as L1 whose date criteria is OPT\_QUAL OPT\_TIME\_NUM OPT\_TIME\_UNIT from the anchor OPT\_ANCHOR\_DT\_TM.

## L8EKS\_ORDERS\_DETAIL\_L

the order detail Strength Dose, is greater than 10 for any order(s) in L7

## L9EKS\_ORDERS\_FIND\_L

orders exist that was ordered as CicloSPORIN, CicloSPORIN (Neoral) Oral solution, CicloSPORIN (Neoral), CicloSPORIN Injection, Ciclosporin SEE IMMUNOSUPPRESSION PRESCRIPTION CHART with order status of Ordered on the same encounter as L1 whose date criteria is OPT\_QUAL OPT\_TIME\_NUM OPT\_TIME\_UNIT from the anchor OPT\_ANCHOR\_DT\_TM.

# Action Section

## Action templates used:

### EKS\_ALERT\_FLEX\_A

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#### Action Group #1

If L3ANDL9

#### Action

### A1EKS\_ALERT\_FLEX\_A

Send alert MAJOR Statin and Ciclosporin Interaction stating Concurrent use of @CATALOGCDDISP:3 and @CATALOGCDDISP:9 is contra-indicated. @NEWLINE@NEWLINEConcurrent use increases plasma levels of @CATALOGCDDISP:3 , which can lead to myopathy / rhabdomyolysis, which can be fatal. For more information click <<Here|<https://www.gov.uk/drug-safety-update/simvastatin-updated-advice-on-drug-interactions>>>@NEWLINE@NEWLINETHis alert will cancel the order. , OPT\_CANCEL\_LABEL, OPT\_IGNORE\_LABEL, OPT\_OVERRIDE\_REASON, OPT\_MODIFY\_LABEL, OPT\_CANCEL\_LABEL, OPT\_ORDERS, DISABLED, OPT\_URL\_BUTTON\_NAME, OPT\_URL\_ADDRESS, OK, OPT\_FORM, OPT\_FORM\_BUTTON\_NAME, ENABLED, L3

#### Action Group #2

If L4ANDL9

#### Action

### A2EKS\_ALERT\_FLEX\_A

Send alert MAJOR Atorvastatin and Ciclosporin Interaction stating There is a significant interaction between @CATALOGCDDISP:4 and @CATALOGCDDISP:9 @NEWLINE@NEWLINEConcurrent use increases plasma levels of @CATALOGCDDISP:4, which can lead to myopathy / rhabdomyolysis, which can be fatal. For more information click <<Here|<https://www.gov.uk/drug-safety-update/statins-interactions>>>

and-updated-advice-for-atorvastatin>>@NEWLINE@NEWLINEWhen prescribed with @CATALOGCDDISP:9 the maximum dose of @SYNONYM:4:1 is 10 mg daily.@NEWLINE@NEWLINETHis alert will cancel this order @SYNONYM:4:1 A lower dose of Atorvastatin can be ordered below., OPT\_CANCEL\_LABEL, OPT\_IGNORE\_LABEL, OPT\_OVERRIDE\_REASON, OPT\_MODIFY\_LABEL, OPT\_CANCEL\_LABEL, Order Sentence for Atorvastatin -> DOSE: 10 mg, oral, NOCTE, DISABLED, OPT\_URL\_BUTTON\_NAME, OPT\_URL\_ADDRESS, OK, OPT\_FORM, OPT\_FORM\_BUTTON\_NAME, ENABLED, L4

#### Action Group #3

If L5ANDL6

Action

A3EKS\_ALERT\_FLEX\_A

Send alert MAJOR Ciclosporin and statin Interaction stating Concurrent use of @CATALOGCDDISP:5 and @CATALOGCDDISP:6 is contra-indicated. @NEWLINE@NEWLINEConcurrent use increases plasma levels of @CATALOGCDDISP:6 , which can lead to myopathy / rhabdomyolysis, which can be fatal. @NEWLINE@NEWLINETHe current prescription for @CATALOGCDDISP:6 must be cancelled and advice sought on an alternative lipid lowering agent.@NEWLINE@NEWLINEFor more information click <<Here|<https://www.gov.uk/drug-safety-update/simvastatin-updated-advice-on-drug-interactions>>>, CANCEL ORDER, CONTINUE, OPT\_OVERRIDE\_REASON, MODIFY ORDER, NONE, OPT\_ORDERS, DISABLED, OPT\_URL\_BUTTON\_NAME, OPT\_URL\_ADDRESS, OK, OPT\_FORM, OPT\_FORM\_BUTTON\_NAME, ENABLED, L5

#### Action Group #4

If L5ANDL7ANDL8

Action

A4EKS\_ALERT\_FLEX\_A

Send alert MAJOR Ciclosporin and Atorvastatin Interaction stating There is a significant interaction between @CATALOGCDDISP:5 and @SYNONYM:7:1 @NEWLINE@NEWLINEConcurrent use increases plasma levels of @SYNONYM:7:1 , which can lead to myopathy / rhabdomyolysis, which can be fatal. For more information click <<Here|<https://www.gov.uk/drug-safety-update/statins-interactions-and-updated-advice-for-atorvastatin>>>@NEWLINE@NEWLINEWhen prescribed with @CATALOGCDDISP:5 the maximum dose of @SYNONYM:7:1 is 10 mg daily. @NEWLINE@NEWLINEPlease adjust the current prescription for @SYNONYM:7:1, CANCEL ORDER, CONTINUE, OPT\_OVERRIDE\_REASON, MODIFY ORDER, NONE, OPT\_ORDERS, DISABLED, OPT\_URL\_BUTTON\_NAME, OPT\_URL\_ADDRESS, OK, OPT\_FORM, OPT\_FORM\_BUTTON\_NAME, ENABLED, L5