

# Standard operating procedure

**Procedure:** Guide for using Eclipse Live for drug monitoring and easy searching

**Number:** 1.3

Version	Changes	New version	Actioned by
1.2	Paragraph now listed under “background” was previously under the heading “procedure”. No content was changed.	1.3	Katie Bond

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## Background

ECLIPSE stands for: “electronic checking leading to improved prescribing safety & efficiency”. Eclipse Live is a risk stratification system which can be used to help identify patients who may be at an increased risk of harm. As well as the reducing admissions from drug associated reactions (RADAR) searches, the adhoc search function is useful for performing quick, efficient searches with or without specific criteria. Eclipse Live can be particularly useful for reviewing patient monitoring.

## Overview

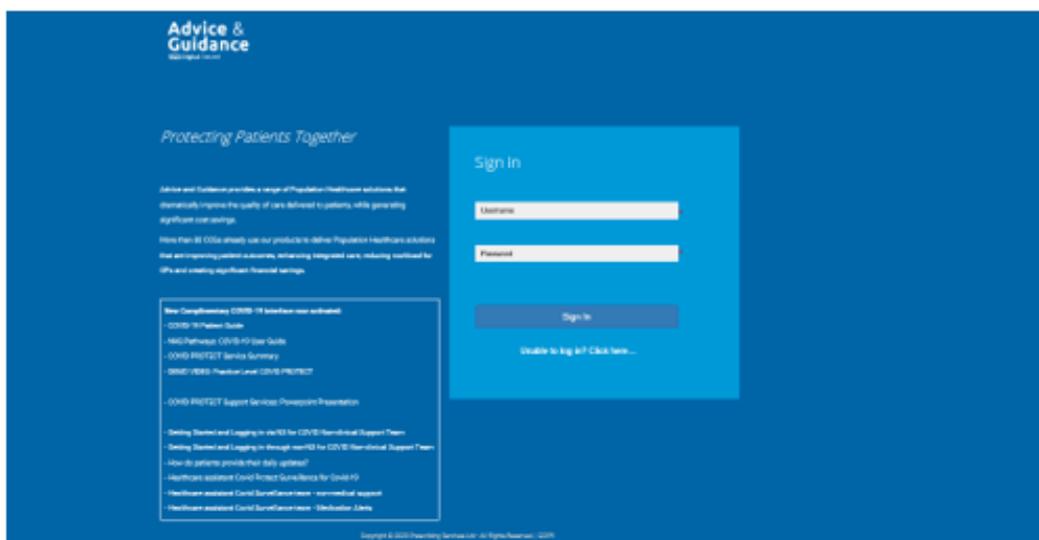
Guide to demonstrate how to access Eclipse Live, run searches within the system and how to obtain patient monitoring alerts

## Requirements

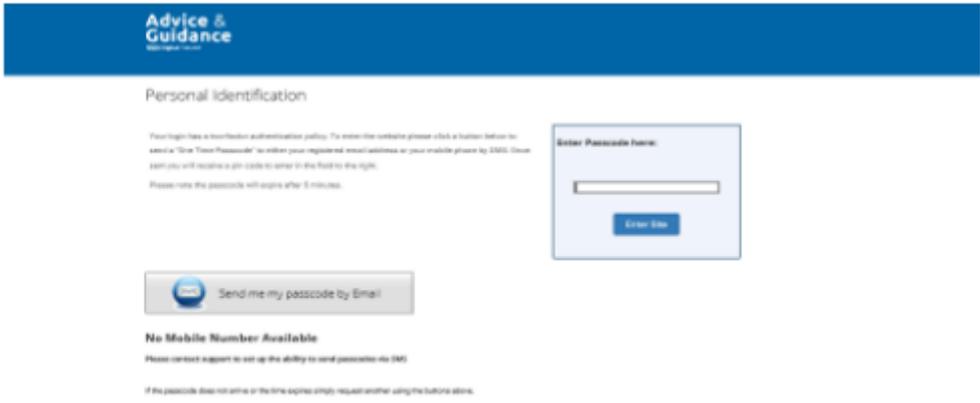
Practices should have logins for eclipse live and review how to use the data to improve safety within their practice

## How to access Eclipse Live

Log on to the Eclipse Live system via [NHS pathways](#). Here you will need to enter your username and password on the first log in screen



You will then be prompted to request a passcode. This will be set up to email the passcode to the email address registered with your account. You can also request the ability to have passcodes sent via text message to your mobile phone.



Select 'Eclipse Live'

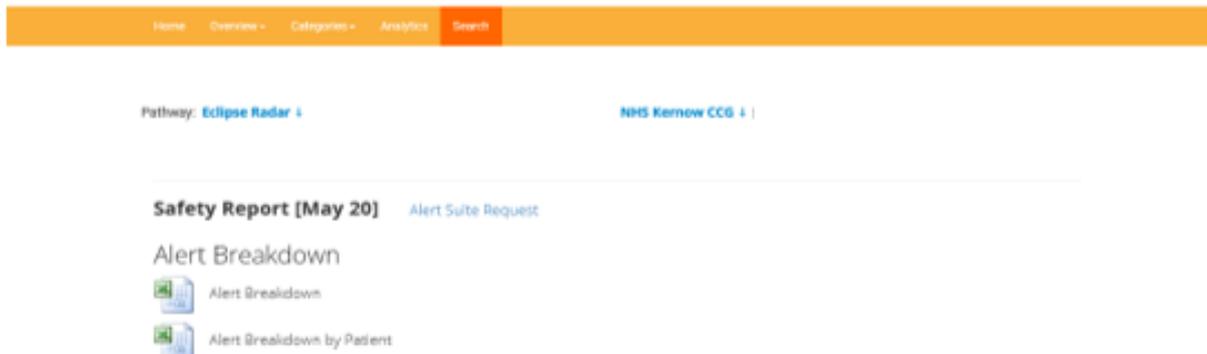


## Adhoc searches

Once logged into Eclipse Live select 'Eclipse Radar 500 (Red Alerts)'



Click 'search' on the menu bar. This will allow you to create adhoc searches and examples are given below.



Example search one:

Patients prescribed levothyroxine who have not had their thyroid stimulating hormone (TSH) checked in the past 12 months (this example is also one of the preset monitoring alerts)

SEARCH PARAMETERS			Surgery: Surgery: [Redacted]			Search by Patient Ref: [ ] Find		
Search Criteria			Medication			Conditions		
Separate drugs with a comma to add more than one to any boxes below			Separate readcodes with a comma to add more than one to any boxes below					
TSH	Days Greater	365	Must Contain ALL:	<input type="checkbox"/> Use BNF	Must [Not <input type="checkbox"/> ] Contain:	Please Select		
Please Select	Select		Must Contain ANY:	levothyroxine	<input type="checkbox"/> Use BNF	Must [Not <input type="checkbox"/> ] Contain:	Please Select	
Please Select	Select		Must NOT Contain:		<input type="checkbox"/> Use BNF	*Must Contain ALL:		
Please Select	Select		NOT in Past Drugs:		<input type="checkbox"/> Use BNF	*Must Contain ANY:		
Please Select	Select		Last Issued: more than		days and less than	90	days	*Must Not Contain:
Only show top: 1000 Results (Leave blank for all)			Show: <input checked="" type="radio"/> All Drugs <input type="radio"/> Only Repeat Drugs <input type="radio"/> Only Acute Drugs			*Days between: 0 days and 730 days		
Search								

Be aware that searches are pre-set to look for the top 1000 patients at the practice – it must be blank for the search to cover all patients

Example search two:

Patients prescribed ramipril who have not had their estimated glomerular filtration rate (eGFR) checked in the past 12 months and whose blood pressure is above the target.

SEARCH PARAMETERS			Surgery: Surgery: [Redacted]			Search by Patient Ref: [ ] Find		
Search Criteria			Medication			Conditions		
Separate drugs with a comma to add more than one to any boxes below			Separate readcodes with a comma to add more than one to any boxes below					
eGFR	Days Greater	365	Must Contain ALL:	<input type="checkbox"/> Use BNF	Must [Not <input type="checkbox"/> ] Contain:	Please Select		
BP Systolic	>	140	Must Contain ANY:	ramipril	<input type="checkbox"/> Use BNF	Must [Not <input type="checkbox"/> ] Contain:	Please Select	
BP Diastolic	>	90	Must NOT Contain:		<input type="checkbox"/> Use BNF	*Must Contain ALL:		
Please Select	Select		NOT in Past Drugs:		<input type="checkbox"/> Use BNF	*Must Contain ANY:		
Please Select	Select		Last Issued: more than		days and less than	90	days	*Must Not Contain:
Only show top: 1000 Results (Leave blank for all)			Show: <input checked="" type="radio"/> All Drugs <input type="radio"/> Only Repeat Drugs <input type="radio"/> Only Acute Drugs			*Days between: 0 days and 730 days		

It is easy to add extra criteria such as additional drugs, monitoring (for example, eGFR), conditions and/or patient specifics to the adhoc search parameters by using the drop-down menu boxes. By simply selecting the specific searching criteria required this will refine the results to a concise list of patients meeting those criteria and by doing so this can significantly reduce time reviewing results of searches. The concise list of patients will include the date and test results and this list can also be downloaded to an excel spreadsheet.

Example search three:

Patients on ramipril and bendroflumethiazide, over 80 years old, who have not had their eGFR checked in the past 12 months and whose blood pressure is above the target.

ARCH PARAMETERS

Reset Search Page Surgery: ALL Search by Patient Ref: Find

Search Criteria	Medication	Conditions
Age > 80	Must Contain ALL: ramipril, bendroflumethiazide Use BNF	Must [Not ] Contain: Please Select
eGFR Days Greater 365	Must Contain ANY:	Must [Not ] Contain: Please Select
BP Systolic > 150	Must NOT Contain:	*Must Contain All:
BP Diastolic > 90	NOT in Past Drugs:	*Must Contain Any:
Please Select Select	Last Issued: more than days and less than 90 days	*Must Not Contain:

Only show top: 1000 Results (Leave blank for all) Show: All Drugs Only Repeat Drugs Only Acute Drugs \*Days between: 0 days and 730 days

Now / Hide Create Search Panel Search

Before searching it is important to check when the last data import occurred to ensure you are working with up-to-date information. The import date can be found on the search page above the search parameters box, as shown below:

Last import date: 08/05/2021 

SEARCH PARAMETERS

Reset Search Page Surgery: Surgery Search by Patient Ref: Find

Search Criteria	Medication	Conditions
Please Select Select	Must Contain ALL:	Must [Not ] Contain: Please Select
Please Select Select	Must Contain ANY:	Must [Not ] Contain: Please Select
Please Select Select	Must NOT Contain:	*Must Contain All:
Please Select Select	NOT in Past Drugs:	*Must Contain Any:
Please Select Select	Last Issued: more than days and less than 90 days	*Must Not Contain:

Only show top: 1000 Results (Leave blank for all) Show: All Drugs Only Repeat Drugs Only Acute Drugs \*Days between: 0 days and 730 days

Search

The search function contains the following possible criteria in the medication and condition section, which may require further explanation for new users:

- Must contain all
- Must contain any
- Use BNF (British National Formulary)

Medication		
<input type="checkbox"/>	Must Contain <b>ALL</b> : <input type="text"/>	<input type="checkbox"/> Use BNF
<input type="checkbox"/>	Must Contain <b>ANY</b> : <input type="text"/>	<input type="checkbox"/> Use BNF
<input type="checkbox"/>	Must <b>NOT</b> Contain: <input type="text"/>	<input type="checkbox"/> Use BNF
<input type="checkbox"/>	<b>NOT</b> in Past Drugs: <input type="text"/>	<input type="checkbox"/> Use BNF
	Last Issued: more than <input type="text"/> days and less than <input type="text"/> days	

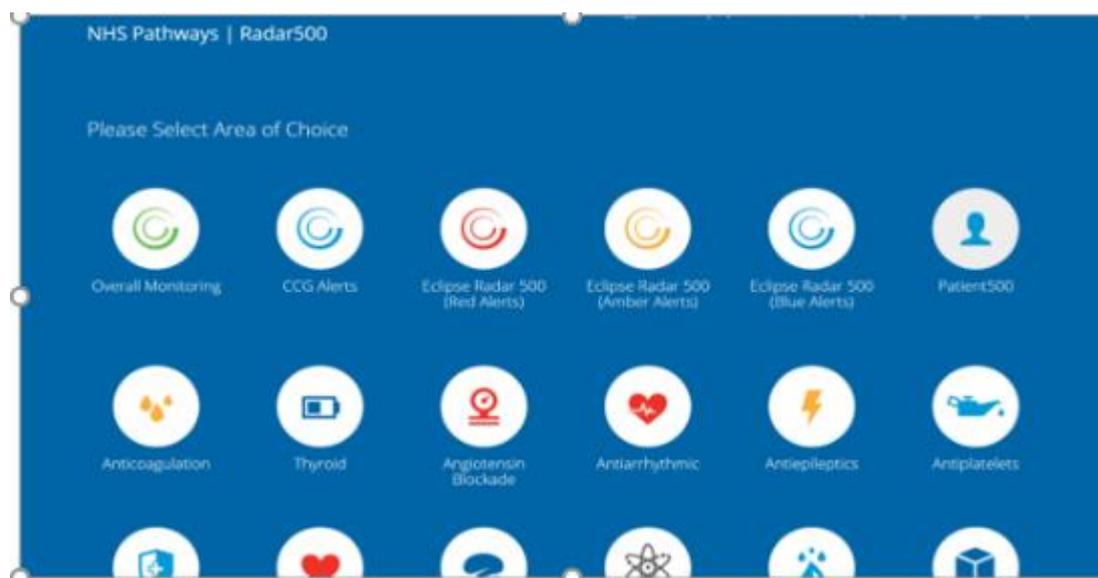
If the user were to include drug 1, drug 2, drug 3 (comma separated) in must contain all - then this would include those patients on all these 3 listed medications.

If the user were to include drug 1, drug 2, drug 3 (comma separated) in must contain any then this would include those patients who are on at least one of these 3 listed medications (and not essentially all 3 medications).

There is also a box that a user can tick to 'Use BNF'. The 'Use BNF' selection (checkbox) allows the extending of the medication search to include any medication in the same BNF classification. For example, if the user were to include pravastatin - and the user selected 'Use BNF' then this would also include any medications in the same BNF classification (lipid-regulating drugs).

## Reviewing pre-set patient monitoring alerts

Once logged into Eclipse Live select 'Overall Monitoring'. This will give a brief trend analysis of how the practice alert breakdown is compared to the other practices in the Cornwall and Isles of Scily Integrated Care Board.



Scroll to the bottom of the page and select one of the Eclipse Radar 500 monitoring icons (priority, amber or blue monitoring). The blue monitoring module also contains

prescribing safety indicators. Alternatively, the Eclipse Radar modules can also be selected from the Eclipse Live front page as shown in the image above.

Dementias (ACI)	14	13 (92.86%)	9 / 13
Diabetes	236	205 (86.86%)	19 / 21
Diuretics	194	185 (95.36%)	6 / 21
DMARDs	29	19 (65.52%)	8 / 21
Immunosuppressant Agents	14	5 (35.71%)	3 / 21
Lipid Regulation	687	685 (99.71%)	3 / 21
NSAIDS	96	93 (96.88%)	2 / 21
Respiratory	247	246 (99.60%)	6 / 19

## Monitoring



Eclipse Radar 500  
(Priority  
Monitoring)



Eclipse Radar 500  
(Amber Monitoring)



Eclipse Radar 500  
(Blue Monitoring)

This shows more detail on all of the alerts. There are 2 ways to access more detail:  
 1 - View a list of patients with alerts and which alerts they have  
 2 - View a list of alerts and which patients have that alert

For the examples below of alert breakdown by patient and alert breakdown the blue Eclipse Radar 500 (blue monitoring) icon was selected.

## Alert breakdown by patient

You can see all of the patients who have an alert and which alerts they have by clicking the excel icon 'alert breakdown by patient'. This is useful if you want to identify patients with the most alerts.

## Alert Breakdown



Alert Breakdown



Alert Breakdown by Patient

### Monitoring

	Alerts	Patients	Unreviewed
Blue	68	267	267
<b>Overall</b>	<b>68</b>	<b>267</b>	<b>267</b>

### Prescribing Safety

	Alerts	Patients	Unreviewed
	6	34	31
<b>Overall</b>	<b>6</b>	<b>34</b>	<b>31</b>

### QI SMART Prescribing Safety

	Alerts	Patients	Unreviewed
	5	18	18
<b>Overall</b>	<b>5</b>	<b>18</b>	<b>18</b>

### Monitoring Alerts

Alerts: 68 - Patients: 267 - Unreviewed: 267

Level Type Search

Total Patients Reviewed

All patients are listed with all of the alerts that they have. (The number in Column A is the patient reference- removed for the example below)

C	D	E	F	G
<b>Search 1</b>		<b>Search 2</b>		<b>Search</b>
<b>Diuretic: Caution: Loop Diuretic detected in patient with Hyponatremia (Sodium)</b> Reviewed: NO Patient appears to be on a loop Diuretic which is contra-indicated in hyponatraemia. 1. Please validate that the patient's latest blood screen shows significant hyponatraemia and that they are still taking their loop		<b>Angiotensin: Caution: ACE or ARB detected and hyponatremia (serum)</b> Reviewed: NO Patient appears to be on either a ACE or ARB with hyponatraemia. 1. Please validate that the patient's latest blood screen shows significant hyponatraemia (<125) and that they are still taking their ACE or ARB (Amlisartan, Candesartan, Ibesartan, Losartan)		
<b>Antiplatelet: Caution: Multiple antiplatelet agents detected with anaemia (Hb)</b> Reviewed: NO Patient appears to have anaemia and on multiple antiplatelet agents that can exacerbate the anaemia. 1. Please validate that the Patient's latest blood screen shows significant anaemia and that they are still taking their multiple		<b>Antiplatelet: Caution: Antiplatelet agent detected with anaemia (Hb &gt;=9 &amp; &lt;)</b> Reviewed: NO Patient appears to have anaemia and is on an antiplatelet agent that can exacerbate the anaemia. 1. Please validate that the patient's latest blood screen shows anaemia and that they are still taking their blood thinning agent		
<b>Antiplatelet: Caution: Multiple antiplatelet agents detected with anaemia (Hb)</b> Reviewed: NO Patient appears to have anaemia and on multiple antiplatelet agents that can exacerbate the anaemia. 1. Please validate that the Patient's latest blood screen shows significant anaemia and that they are still taking their multiple		<b>Antiplatelet: Caution: Antiplatelet agent detected with anaemia (Hb &gt;=9 &amp; &lt;)</b> Reviewed: NO Patient appears to have anaemia and is on an antiplatelet agent that can exacerbate the anaemia. 1. Please validate that the patient's latest blood screen shows anaemia and that they are still taking their blood thinning agent		
<b>Anticoagulation: Priority Monitoring: Apixaban, Edoxaban or Rivaroxaban</b> Reviewed: NO Patient appears to be on a NOAC which is contra-indicated in severe renal failure and no recent creatinine blood test. 1. Please validate that the patient's latest blood screen shows renal failure and that they are still taking their NOAC (Apixaban, Edoxaban		<b>Diuretic: Priority Monitoring: Loop Diuretic detected in patient with renal failure</b> Reviewed: NO Patient appears to be on a loop diuretic and due for monitoring. 1. Please validate that the patient is indeed on a loop diuretic (bumetanide, furosemide, torsemide) and that no recent creatinine test has been performed.		<b>Anticoagulation: Monitoring: Apix Edoxaban or Dabigatran detected</b> Patient appears to be on a NOAC as recommended that ALT is monitored. 1. Please validate that the patient is i Edoxaban or Dabigatran) and that no
<b>Antiplatelet: Caution: Antiplatelet agent detected with severe anaemia (Hb &lt;)</b> Reviewed: NO Patient appears to have anaemia and is on an antiplatelet agent that can exacerbate the anaemia. 1. Please validate that the patient's latest blood screen shows significant anaemia and that they are still taking their blood thinning				
<b>Antiplatelet: Caution: Antiplatelet agent detected with severe anaemia (Hb &lt;)</b> Reviewed: NO Patient appears to have anaemia and is on an antiplatelet agent that can exacerbate the anaemia. 1. Please validate that the patient's latest blood screen shows significant anaemia and that they are still taking their blood thinning				
<b>Diuretic: Caution: Potassium Sparing Diuretic detected in patient with</b> Reviewed: NO Patient appears to be on potassium sparing diuretics which are contra indicated in hyperkalaemia. 1. Please validate that the patient's latest blood screen shows significant elevation of potassium (>5.7) and that they are still taking		<b>Diuretic: Caution: Thiazide detected in patient with severe renal failure (eGFR)</b> Reviewed: NO Patient appears to have renal impairment and is on a thiazide. Thiazides are ineffective if eGFR is less than 30mL/minute/1.73m2 and should be avoided. 1. Please validate that the patient's latest blood screen shows renal		
<b>Antibiotics: Caution: Nitrofurantoin</b>		<b>DMARD: Caution: Mycophenolate detected</b>		

## Alert breakdown:

If you prefer to look at each alert individually and which patients have it click the excel icon 'alert breakdown'.

### Safety Report [May 20] [Alert Suite Request](#)

#### Alert Breakdown



Alert Breakdown



Alert Breakdown by Patient

#### Monitoring

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<b>Overall</b>	<b>68</b>	<b>267</b>	<b>267</b>

#### Prescribing Safety

	Alerts	Patients	Unreviewed
	6	34	31
<b>Overall</b>	<b>6</b>	<b>34</b>	<b>31</b>

#### QI SMART Prescribing Safety

	Alerts	Patients	Unreviewed
	5	18	18
<b>Overall</b>	<b>5</b>	<b>18</b>	<b>18</b>

#### Monitoring Alerts

Alerts: 68 - Patients: 267 - Unreviewed: 267

Level Type Search

Total Patients Reviewed

This now shows a breakdown of each alert, what it is and how many patients have that alert.

	A	B	C	D	E	F
18	Information	03/05/2020	Antiplatelet: Priority Monitoring: Patient on antiplatelet, has Anaemia (Hb >=10 & < 11.5g/dl), needs repeat FBC (Hb >180 days).	2	0	<a href="#">View</a>
19	Information	03/05/2020	Antiplatelet: Monitoring: Patient is on multiple antiplatelets and no recent FBC (Hb >365 days)	1	0	<a href="#">View</a>
20	Information	03/05/2020	Immunosuppressant: Monitoring: Azathioprine detected, due Seasonal Flu Vaccine (>365 days)	3	0	<a href="#">View</a>
21	Information	03/05/2020	Aminosalicylate: Monitoring: Mesalazine detected with liver impairment (ALT >50) and due LFTs (Bilirubin >180 days)	1	0	<a href="#">View</a>
22	Information	03/05/2020	DMARD: Monitoring: Sulfasalazine detected and due FBC (Hb >365 days)	1	0	<a href="#">View</a>
23	Information	03/05/2020	DMARD: Monitoring: Methotrexate detected and due LFTs (Bilirubin >90 days)	6	0	<a href="#">View</a>
24	Information	03/05/2020	DMARD: Monitoring: Methotrexate detected and due U&Es (Creatinine >90 days)	6	0	<a href="#">View</a>
25	Information	03/05/2020	Immunosuppressant: Monitoring: Azathioprine detected, due U&Es (Creatinine >180 days)	1	0	<a href="#">View</a>
26	Information	03/05/2020	Anticoagulation: Monitoring: Warfarin detected and BP now due (>365 days)	7	0	<a href="#">View</a>
27	Information	03/05/2020	Anticoagulation: Monitoring: Warfarin detected and U&Es now due (Creatinine >365 days)	6	0	<a href="#">View</a>
28	Information	03/05/2020	Anticoagulation: Monitoring: Warfarin detected and FBC now due (Hb >365 days)	7	0	<a href="#">View</a>
29	Information	03/05/2020	Anticoagulation: Monitoring: Warfarin detected	7	0	<a href="#">View</a>

To see the list of patients with a particular alert click 'view'. This shows the alert criteria with a list of patients for that alert. Column A shows patient reference (removed in example picture below).

Monitoring: Methotrexate detected and due LFTs (Bilirubin >90 days)  
appears to be on methotrexate and due for monitoring. It is recommended that liver function is monitored every 3

Ref	Sex	Age	Reviewed	Notes
	F	80	No	
	M	55	No	
	M	70	No	
	F	46	No	
	F	52	No	
	F	62	No	

In order to review the amber and red alerts select the amber or red monitoring icon from the Eclipse Live home page

## Prescribing safety indicator report

There is a prescribing safety indicator report available via Eclipse Live. This shows how many patients are meeting each of the prescribing safety indicators.

Once logged into Eclipse Live scroll to the bottom of the page and select 'Prescribing Safety'



To see the list of patients who are not meeting a particular prescribing safety indicator click 'view'.

### Prescribing Safety Indicators Summary

	Area	Search	Total Patients	Patients Reviewed	View
	Angiotensin	[Prescribing Safety] Patients >= 75 years old on ACE or Loop Diuretic with no Renal check in 18M	34	0	<a href="#">View</a>
	Anti-coagulation	[Prescribing Safety] Prescription of warfarin or DOAC and an antiplatelet drug in combination without co-prescription of an ulcer-healing drug	6	0	<a href="#">View</a>
	Anti-coagulation	[Prescribing Safety] Prescription of warfarin or DOAC in combination with an oral NSAID	4	0	<a href="#">View</a>

## User Guide

For further help, the user guide for the Radar Alerts can be accessed by any user by clicking the help button on the top right of the main page.