

# 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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Date: January 2025

Review date: January 2028

## 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

### NHS Cornwall and Isles of Scilly Integrated Care Board

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### **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 <u>NHS pathways</u>. Here you will need to enter your username and password on the first log in screen

Advice & Guidance		
Protecting Patients Together	Sign in	
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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.

Advice & Guidance	
Personal identification	
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Send me my passocide by Email No Mobile Number Available Place centers agent to set g the dolby to set g presente do (M)	
If the passoods does not arrive on the time oppings simply request another using the bulkons above.	

Select 'Eclipse Live'

Guidance			COMD C	COM Based by COM Com	
Please Select Pa	athway of Choice				
<b>a</b>	6	۲		Other	
Dabetes	Eclipse Live	COVID-19		Other	
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## **Adhoc searches**

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

NHS Pathways   R	adar500					
Please Select Area	of Choice					
6	0	6	6	6		
Overal Montoring	CO3 Alerta	Extense Rester 500 (Rest Alerts)	Ecliption Redier 100 (Arribair Alerta)	Eclipse Reder 500 (Blue Alerts)		
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Click 'search' on the menu bar. This will allow you to create adhoc searches and examples are given below.

	lone Overview -	Calegories - A	nalylica Search				
Pat	thway: Eclipse Radar				NHS Kennow CCG 4		
s	Safety Report	[May 20]	Alert Suite I	lequest			
A	Alert Breakd	lown					
ā	Alert Breaks	lown					
8	Alert Breaks	down by Patien	t				
Example se	earch 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		
Reset Search Page	Surgery: Surgery: V	Search by Patient Ref: Find
Search Criteria	Medication Separate drugs with a comma to add more than one to any boxes below	Conditions Separate readcodes with a comma to add more than one to any boxes below
TSH V Days Greate V 365	Must Contain ALL: Use BNF	Must [Not ] Contain: Please Select
Please Select V Select V	Must Contain ANY: levothyroxine	Must [Not ] Contain: Please Select 🗸
Please Select V Select V	Must NOT Contain: Use BNF	"Must Contain <u>All</u> :
Please Select V Select V	NOT in Past Drugs: Use BNF	*Must Contain Any:
Please Select V Select V	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		

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.

- 4			0			_	
Π	SEARCH PARAMETERS						
	Reset Search Page		Surgery: Surgery.	~	Search by Patient Ref: Find		
	Search 0	Criteria	Medication Separate drugs with a comma to add more than o	ne to any boxes below	Conditions Separate readcades with a comma to add more than one to any boxes below	,	
	eGFR V	Days Greate 🗸 365	Must Contain ALL:	Use BNF	Must [Not ] Contain: Please Select	~	
Ц	BP Systolic V	′ > <b>∨</b> 140	Must Contain ANY: ramipril	Use BNF	Must [Not ] Contain: Please Select	퀴	
ſ	BP Diastolic V	✓ > ✓ 90	Hust NOT Contain:	Use BNF	*Must Contain <u>All</u> :	Ì	
	Please Select	Select V	NOT in Past Drugs:	Use BNF	*Must Contain Ame:		
	Please Select	Select V	Last Issued: more than days an	d less than 90 days	*Must Not Contain:		
	Only show top: 1000 Re	esults (Leave blank for all)	Show:      All Drugs O Only Repeat Drugs O O	nly Acute Drugs	*Days between: 0 days and 730 da	1975	

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.

EARCH PARAMETERS									
eset Search Page				Surgery: ALL		~	Search I	by Patient Ref:	C Fied
Sear	ch Cri	teria		Separate drugs with a	Medication comma to add more than one to any b	iones below	Separate readcodes with a comm	Conditions ma to add more tha	n one to any boxes below
Age	~	> •	80	Must Contain ALL:	ramipril, bendroflumethiazide	Use BNF	Must [Not ] Contain:	Please Select	~
eGFR	~	Days Greate 🛰	365	Must Contain ANY:		Use BNF	Must [Not ] Contain:	Please Select	~
BP Systolic	~	>	150	Must NOT Contain:		Use BNF	"Must Contain All:		
BP Diastolic	~	>	90	NOT in Past Drugs:		Use BNF	*Must Contain Any:		
Please Select	~	Select V		Last Issued: m	ore than days and less than	90 days	*Must Not Contain:		
Only show top: 1000	Resu	Its (Leave blank for	all)	Shows  All Drugs  O	Only Repeat Drugs Only Acute I	Drugs	*Day	s between: 0	days and 730 days
how / 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:

ast import date: 08/05/2021 Surgery: Surgery.  $\mathbf{v}$ Q. 1998 Search by Patient Ref: Medication Conditions Search Criteria Please Select 4 Must [Not ] Contain: Please Select Select  $\sim$ Use BNF Nust Contain 611 ¥ v Please Select Select Use BNF Hust [Not ] Contain: Please Select Nust Centain <u>ARY</u>: Please Select Select v Use BAR v <sup>4</sup>Must Contain All: Must MOT Contain "Must Contain Any: Please Select ¥ Select ¥ Use BNF NOT In Past Drugs: Please Select ¥ Select ¥ days and less than 50 \*Must Not Contain: List Exactly more than dage Only show top: 1000 Results (Leave blank for all) "Days between: 0 days and 730 Show: Childruge O Cely Repeat Druge O Cely Acute Druge

> 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) ٠

deys

Separate real	h then one to any boxes below	Medic Separate drugs with a comma to add
Must (No	Use BNF	Must Contain ALL:
Must [No	Use BNF	Must Contain ANY:
*Mus	Use BNF	Must NOT Contain:
*Must	Use BNF	NOT in Past Drugs:
*Must	days and less than 90 days	Last Issued: more than

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
Immunosuppressa	nt 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.

Safety Re	eport	[May ]	20]	Alert Suite	e Reque	st						
Alert Br	eakd	own										
Alert	Breakdo	own										
Alert	Breakdo	own by P	atient									
					Monito	ring			Prescrib	ung Safaty		
					MOTILO	Alerts	Patients	Unreviewed	Prescin	Alerts	Patients	Unreviewed
					Blue Overall	68 68	267 267	267 267		6	34	31
									Overall	6	34	31
QI SMAR	T Prescr	ibing Sa	fety									
	Alerts 5	Patients 18	Unreviewe 1	d B								
Overall	5	18	1									
Monitori Alerts: <b>68</b>	ing Ale - Patien	rts ts: <b>267</b> -	- Unrevi	ewed: 267	,							
Level Tvp	e S	earch									Total Patien	ts 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)

ALC: NOT AND A CONTRACT OF A CONTRACT.				
c	D	E	F	G
Search 1		Search 2		Search
Diuretic: Caution: Loop Diuretic detected	0.0000000000000000000000000000000000000	Angiotensin: Caution: ACE or ARB	And the second second second	
in patient with Hyponatremia (Sodium	Reviewed NO	detected and hyponatremia (serum	Reviewed NO	
Patient appears to be on a loop Diuretic which	is contra-indicated in	Patient appears to be on either a ACE or ARS	B with hyponatraemia	1
hyponatraemia		1. Please validate that the patient's latest blo	od screen shows	
1. Please validate that the patient's latest bloc	d screen shows	significant hyponatraemia (<125) and that the	y are still taking their	
significant hyponatraemia and that they are st	il taking their loop	ACE or ARB (Azilsartan, Candesartan, Irbesa	etan, Losartan,	
Antiplatelet: Caution: Multiple antiplatelet		Antiplatelet: Caution: Antiplatelet agent		
agents detected with anaemia (Hb	Revewed NO	detected with anaemia (Hb >+9 & <	Revewed: NO	-
Patient appears to have anaemia and on multi	ple antiplatelet agents	Patient appears to have anaemia and is on an	n antiplatelet agent that	
that can exacerbate the anaemia.	1000000000000	can exacerbate the anaema.	and an and	
<ol> <li>Please validate that the Patient's latest bloc</li> </ol>	od screen shows	<ol> <li>Please validate that the patient's latest bio</li> </ol>	od screen shows	
significant anaemia and that they are still take	to their multiple	anaemia and that they are still taking their bit	throng legent	
Anopsatelet: Caution, Multiple anopsatelet	Chairman & MC	Anoprateiet: Caution: Anoprateiet agent	Designed AND	
agents detected with anaemia (no	prevened red	Detected with ansemia (no >-> & <	prevented out	-
Patient appears to nave anaemia and on muti-	be auchatest spens	Papers appears to have arbeins and is on an	a subbacies where out	
<ol> <li>Classe validate that the Delivative Istant Mar.</li> </ol>	d arrente alterna	Can experible the anaema.	and account of the second	
1. Prease variable that the Patient's latest bits	o screen shoes	1. Prease validate that the patient's ratest bo	og screen snoes	
Anti-constation Priority Monitoring	ST STATE CONTRACT	Dissetie: Priority Manitoring: Loop Disset	Concentration agents	Anticomputation: Monitoring: Anix
Anixaban, Edoxaban or Rivaroxaban	Reviewed NO	detected in nations with renal failure	Reviewed NO	Edoxaban or Dabisatran detected
Patient appears to be on a NOAC which is con	tra-indicated in severe	Patient appears to be on a loop duratic and d	tue for monitoring.	Patient appears to be on a NOAC and
renal falues and no secent creatinine blood test	t	1 Please validate that the patient is indeed of	n a loon duratic	recommended that ALT is monitored.
1. Please validate that the patient's latest blog	d screen shows renal	(burnetanide, furosemide, torsemide) and that	t no recent creatinine	1 Please validate that the patient is i
failure and that they are still taking their NOAC	Anixaban Educaban	test has been performed		Edoxaban or Dabioatran) and that no
Antiplatelet: Caution: Antiplatelet agent				
detected with severe anaemia (Hb <	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 bloo	d screen shows			
significant anaemia and that they are still taking	ng their blood thinning			
Antiplatelet: Caution: Antiplatelet agent	_			
detected with severe anaemia (Hb <	Reviewed: NO			
Patient appears to have anaemia and is on an	antiplatelet agent that			
can exacerbate the anaemia.				
<ol> <li>Please validate that the patient's latest block</li> </ol>	d screen shows			
significant anaemia and that they are still taking	their blood thinning			
Duretic: Caution: Potassium Sparing	And a state of the	Unuretic: Caution: Thiazide detected in	A	
Diuretic detected in patient with	Previewed: TiU	patient with severe renal failure (eGFK	Kevewed NO	-
pracient appears to be on potassium sparing d	urencs which are colors	Provers appears to have renai impairment and	is on a mazice.	
nocates in hyperkasema.		inacides are ineffective if eQPK is less than	pymu/minuter1.r3m2	
1. Prease valoate true the pacent's latest blog	o screen snows	and should be avoided.	Second Second	
Antibiotics: Caution: Mitchurantein	ALTERA MALIGILLANIDA.	CMAPD Castion Meconhenolate detector	og access access rects	
A CONTRACTOR OF A CONTRACTOR O		Insurance commune whether and a marche		

### Alert breakdown:

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

Safety Re	port	[May i	20] Aler	t Suite Reque	st						
Alert Bre	eakd	own									
Alert	Breakd	own									
Alert	Breakd	own by P	atient								
	Monitoring					Prescrib	ing Safet	у			
					Alerts	Patients	Unreviewed		Alerts	Patients U	Inreviewed
				Blue Overall	68 68	267 267	267 267		6	34	31
								Overall	6	34	31
QI SMAR	r Prescr	ribing Sat	fety								
	Alerts 5	Patients 18	Unreviewed								
Overall	5	18	18								
Monitori Alerts: 68	ng Ale Patien	erts hts: <b>267</b> -	Unreviewe	d: 267							
Level Typ	e S	earch								Total Patients	Reviewed

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

A	8	c	D	E	F
oformation	03/05/2020	Antiplatelet: Priority Monitoring: Patient on antiplatelet, has Anaemia (Hb >=10 & < 11.5g/dl), needs repeat FBC (Hb >180 days).	2	٥	Vew
nformation	03/05/2020	Antiplatelet: Monitoring: Patient is on multiple antiplatelets and no recent FBC (Hb >365 days).	1	0	Ves
nformation	03/05/2020	Immunosuppressant: Monitoring: Azathioprine detected, due Seasonal Flu Vaccine (>365 days)	3	٥	Ven
nformation	03/05/2020	Aminosalicylate: Monitoring: Mesalazine detected with liver impairment (ALT >50) and due LFTs (Bilirubin >180 days)	1	0	Ver
nformation	03/05/2020	DMARD: Monitoring: Sulfasalazine detected and due FBC (Hb >385 days)	1	٥	Ver
nformation	03/05/2020	DMARD: Monitoring: Methotrexate detected and due LFTs (Bilirubin >90 days)	6	0	Ver
nformation	03/05/2020	DMARD: Monitoring: Methotrexate detected and due U&Es (Creatinine >90 days)	6	0	Vere
nformation	03/05/2020	Immunosuppressant: Monitoring: Azathioprine detected, due U&Es (Creatinine >180 days)	1	٥	Vere
nformation	03/05/2020	Anticoagulation: Monitoring: Warfarin detected and BP now due (>365 days)	7	0	Ver
nformation	03/05/2020	Anticoagulation: Monitoring: Warfarin detected and U&Es now due (Creatinine >365 days)	6	٥	Vev
nformation	03/05/2020	Anticoagulation: Monitoring: Warfarin detected and FBC now due (Hb >365 days)	7	٥	Ven

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).

A	8	C	D	E
to Summ	ary Page	1		
\Details	8			
Monitor	ing: Metho	trexate detected	and due LFTs (I	Bilirubin >90 days)
appears to	be on met	hotrexate 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	
	M	70 46	No No	
	F	70 46 52	No No No	
	F F	70 46 52 62	No No 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	Indicato	ors Summary			
	Area	Search	Total Patients	Patients Reviewed	View
	Anglotensin	[Preserving gatety] Parleots $\succ$ 75 years old on ACE or Loop Diuretic with no invest check in 16M	34	0	View
	Anticologilation	Presentiong Safety Presentation of warfants of DOAC and an antiplativel drug in combination without co-presentation of an ulcer-bealing drug	6	0	View
·	Art coogulation	[Prescribing Safety] Prescription of warfarin or DOAC in combination with an unit MGAD	4	0	View

# **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.