

Standard operating procedure

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

Number: 1.1

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Procedure 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

Procedure

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.

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 passcode by Email		
No Mobile Number Available		
Hease contact suggest to set up the ability to send passestes via SMS		
If the pasacode down non-arrive or the time opping aimply request another using the buttone alone.		

Select 'Eclipse Live'

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Please Select Pathway of Choi	ce		
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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.

Horse Overview - Calagories - Analytics Seventh	
Pathway: Eclipse Radar +	NHS Kernow CCG +
Safety Report [May 20] Alert Suite Re	equest
Alert Breakdown	
Alert Breakdown	

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						
Reset Search Page		~	Search by Patient Ref:	C Find		
Search C	riteria	Medication Separate drugs with a comma to add more the	han one to any boxes below	Conditions Separate readcodes with a comma to add more than	one to any boxes below	
TSH	Days Greate 🗸 365	Must Contain ALL:	Use BNF	Must [Not] Contain: Please Select	~	
Please Select V	Select V	Must Contain ANY: levothyroxine	Use BNF	Must [Not] Contain: Please Select	~	
Please Select 🗸	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 da	ys and less than 90 days	*Must Not Contain:		
Only show top: 1000 Re:	sults (Leave blank for all)	Show: All Drugs Only Repeat Drugs	O 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

Only show top:	1000	Results (Leave blank for all)
Search		

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 PARAMETE	RS							
Reset Search Page					Surgery: Surgery.	~	Search by Patient Ref:	C, Find
	Search C	riteria			Medication Separate drugs with a comma to add more than or	e to any boxes below	Conditions Separate readcodes with a comma to add more than o	one to any boxes below
eGFR	Ý	Days Gree	ate 🗸	365	Must Contain ALL:	Use BNF	Must [Not] Contain: Please Select	~
BP Systolic	Ý	>	~	140	Hust Contain ANY: ramipril	Use BNF	Must [Not] Contain: Please Select	
BP Diastolic	Ý	>	×	90	Must NOT Contain:	Use BNF	*Must Contain All:	
Please Select	Ý	Select	~		NOT in Past Drugs;	Use BNF	*Must Contain Any:	
Please Select	Ý	Select	~		Last Issued: more than days and	l less than 90 days	*Must Not Contain:	
Only show top	: 1000 Re	suits (Leave bla	nk for al	0	Show: Coniy Repeat Drugs	ily Acute Drugs	"Days between: 0	days and 730 day

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 by Patient Ref:	C. Find
Search	Criteria		Medication Separate drugs with a comma to add more than one to	my boxes below	Conditions Separate readcodes with a comma to add more that	n one to any boxes below
Age 💊	' > v	80	Must Contain ALL: ramipril, bendroflumethiazio	e Use BNF	Must [Not] Contain: Please Select	~
eGFR 💊	Days Greate 🗸	365	Must Contain ANY:	Use BNF	Must [Not] Contain: Please Select	~
BP Systolic	' > v	150	Must NOT Contain:	Use BNF	"Must Contain <u>All</u> :	
BP Diastolic	' > v	90	NOT in Past Oruga:	Use BNF	*Must Contain Any:	
Please Select	Select V		Last Issued: more than days and less	than 90 days	*Must Not Contain:]
Only show top: 1000 R	sults (Leave blank for al	0	Shows @ All Drugs O Only Repeat Drugs O Only Ac	ute Drugs	*Days 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:

Last import date: 08/05/2021		
SEARCH PARAMETERS		
Reset Search Page	Surgery: Surgery.	Search by Patient Ref:
Search Criteria	Hedication Separate sings with a comma to add more than one to any boxes by	dow Separate readocides with a comma to add more than one to any boxes below
Please Select V Select V	Next Contain <u>411</u>	se BNF Must [Not [] Contain: Please Select 🗸
Please Select V Select V	Nust Contain <u>MY</u> :	ee BNF Must [Not] Contain: Please Select 🗸
Please Select V Select V	Nust MIT Containe	se UNI *Must Contain <u>All</u> :
Plesse Select V Select V	NOT In Past Drugs:	se BNF Must Contain Any:
Plesse Select V Select V	tast isseed more than days and less than 90	days *Must Not Contain:
Only show top: 1000 Results (Leave blank for all)	Show: Child Drugs O Only Repeat Drugs O Crily 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)

Separate read	to any boxes below	Separate drugs with a com-
Must [Not	Use BNF	Must Contain ALL:
Must [Not	Use BNF	Must Contain ANY:
*Mus	Use BNF	Must NOT Contain:
*Must	Use BNF	NOT in Past Drugs:
*Must	less than 90 days	Last Issued: more t

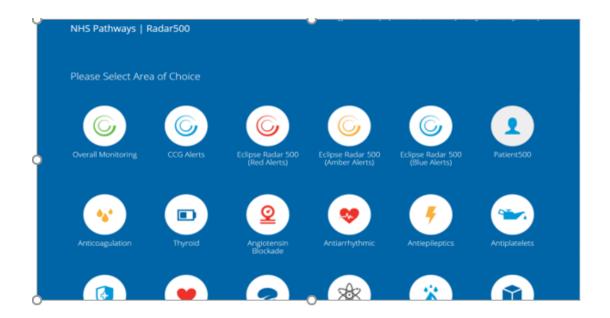
If the user were to include drug 1, drug 2, drug 3 (comma separated) in must contain all - then this would include those patients on all these 3 listed medications.

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 NHS Kernow Clinical Commissioning Group (NHS Kernow).



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	6	G		
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 are
- 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 Report [May 20] Alert S	Suite Request	
Alert Breakdown		
Alert Breakdown		
Alert Breakdown by Patient		
	Monitoring	Prescribing Safety
	Alerts Patients Unreviewed Blue 68 267 267	Alerts Patients Unreviewed 6 34 31
	Overall 68 267 267	
		Overall 6 34 31
QI SMART Prescribing Safety		
Alerts Patients Unreviewed 5 18 18		
5 18 18		
Overall 5 18 18		
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)

С	D	E	F	G
Search 1		Search 2	Searc	
Diuretic: Caution: Loop Diuretic detected	enancia a const	Angiotensin: Caution: ACE or ARB	Constant Constant	
in patient with Hyponatremia (Sodium	Reviewed NO	detected and hyponatremia (serum	Reviewed NO	
Patient appears to be on a loop Duretic which	is contra-indicated in	Patient appears to be on either a ACE or ARE	3 with hyponatraemia	1
typonatraemia.		1. Please validate that the patient's latest blo		
1. Please validate that the patient's latest bloo	d screen shows	significant hyponatraemia (<125) and that the		
significant hyponatraemia and that they are still	I taking their loop	ACE or ARB (Azilsartan, Candesartan, Irbesa	itan Losartan	
Antiplatelet: Caution: Multiple antiplatelet		Antiplatelet: Caution: Antiplatelet agent		
agents detected with anaemia (Hb	Reviewed NO	detected with anaemia (Hb >=9 & <	Reviewed: NO	-
Patient appears to have anaemia and on multip	ole antiplatelet agents	Patient appears to have anaemia and is on an	antiplatelet agent that	
hat can exacerbate the anaemia.	10000000000	can exacerbate the anaemia.	and see and	
 Please validate that the Patient's latest bloc 	a serie a serie a serie serie	1. Please validate that the patient's latest blo		
ignificant anaemia and that they are still takin Antiplatelet: Caution: Multiple antiplatelet	a ther multiple	anaemia and that they are still taking their blo Antiplatelet: Caution: Antiplatelet agent	rod thinning legent	
agents detected with anaemia (Hb	Reviewed NO	detected with ansemia (Hb >-9 & <	Reserved NO	
Patient appears to have anaemia and on multip	and the second se	Patient appears to have anaemia and is on an		4
hat can exacerbate the anaemia	the model and address	can exacerbate the anaemia	amplement after out	
Please validate that the Patient's latest bloo	d erman shous	1. Please validate that the patient's latest blo	and extends shows.	
significant anaemia and that they are still takin		anaemia and that they are still taking their blo		
Anticoagulation: Priority Monitoring:	A COLLEGE CONTRACT	Diuretic: Priority Monitoring: Loop Diureti	C	Anticoagulation: Monitoring: Api
Apixaban, Edoxaban or Rivaroxaban	Reviewed: NO		Reviewed NO	Edoxaban or Dabigatran detecte
Patient appears to be on a NOAC which is con	tra-indicated in severe	Patient appears to be on a loop duretic and d	tue for monitoring.	Patient appears to be on a NOAC a
enal failure and no recent creatinine blood test	L	1. Please validate that the patient is indeed or	n a loop diuretic	recommended that ALT is monitored
1. Please validate that the patient's latest bloo	d screen shows renal	(burnetanide, furosemide, torsemide) and that	no recent creatinine	1. Please validate that the patient is
alure and that they are still taking their NOAC	(Apixaban, Edoxaban,	test has been performed.		Edoxaban or Dabigatran) and that n
Antiplatelet: Caution: Antiplatelet agent	ALCONTRACTOR OF			- AND AN ADDRESS OF A DRESS OF
detected with severe anaemia (Hb <	Revewed NO			
Patient appears to have anaemia and is on an	antiplatelet agent that			
can exacerbate the anaemia.				
 Please validate that the patient's latest bloo 				
significant anaemia and that they are still takin Antiplatelet: Caution: Antiplatelet agent	g their blood thinning			
	Reviewed: ND			
Patient appears to have anaemia and is on an		-		
can exacerbate the anaemia.	acciptacione agent true			
1. Please validate that the patient's latest block	f arread shows			
significant anaemia and that they are still takin				
Disretic: Caution: Potassium Sparing	a new prove particular	Diuretic: Caution: Thiazide detected in		
Diaretic detected in patient with	Reviewed NO	patient with severe renal failure (eGFR	Reviewed NO	
	uretics which are contra	Patient appears to have renal impairment and	is on a thiazide.	1
ndicated in hyperkalaemia.		Thiazides are ineffective if eGFR is less than		
indicated as myperical period.				
 Please validate that the patient's latest block ignificant elevation of potassium (>5.7) and the 		and should be avoided.		

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 2	.0] Alert	Suite Reque	st						
Alert Breakd	own									
Alert Breakd	lown									
Alert Breakd	lown by Pa	atient								
			Monitor	ing			Prescrib	ing Safety	,	
			Blue Overall	Alerts 68 68	Patients 267 267	Unreviewed 267 267		Alerts 6	Patients U 34	nreviewed 31
							Overall	6	34	31
QI SMART Presc	ribing Safe	ety								
Alerts 5	Patients 18	Unreviewed 18								
Overall 5	18	18								
Monitoring Ale Alerts: 68 - Patier		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.

			fi RADAR Alerts Summary Page			
A	1.1	8	2010-101-101-101-0	p	SO RE	F
nformatio		3/05/2020	Antiplatelet: Priority Monitoring: Patient on antiplatelet, has Anaemia (Hb >=10.5 ≺ 11.5g/dl), needs repeat FBC (Hb >180 days).	2	0	Vew
informatio	0	3/05/2020	Antiplatelet: Monitoring: Patient is on multiple antiplatelets and no recent FBC (Hb >385 days).	1	0	View
informatio		3/05/2020	Immunosuppressant: Monitoring: Azathioprine detected, due Seasonal Flu Vaccine (>365 days)	3	0	View
Informatio	0	3/05/2020	Aminosalicylate: Monitoring: Mesalazine detected with liver impairment (ALT >50) and due LFTs (Bilirubin >180 days)	1	0	Vew
Informatio	n 0	3/05/2020	DMARD: Monitoring: Sulfasalazine detected and due FBC (Hb >365 days)	1	0	Vew
Informatio	0	3/05/2020	DMARD: Monitoring: Methotrexate detected and due LFTs (Bilirubin >90 days)	6	0	View
Informatio	0 0	3/05/2020	DMARD: Monitoring: Methotrexate detected and due U&Es (Creatinine >90 days)	6	0	Vew
Informatio	n 0	3/05/2020	detected, due U&Es (Creatinine >180 days)	1	0	View
informatio	0	3-05-2020	and BP now due (>365 days)	7	0	View
Informatio		3/05/2020	Anticoagulation: Monitoring: Warfarin detected and U&Es now due (Creatinine >365 days)	6	0	Vew
informatio	n 0	3/05/2020	Anticoagulation: Monitoring: Warfarin detected and FBC now due (Hb >365 days)	7	0	Vew

A Commany being being

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).

nd	6	Fort	6	Alignment	6	Number	6	Styles
* 1	$\times \neg \checkmark$	<i>fx</i> << 8a	ck to Summary P	lage				
A	B	C	D			E		
to Sum	mary Page	1						
Detai	ls							
Monito	oring: Metho	trexate detect	led and due LFT:	s (Bilirubin ≻90 da	yrs)			
appears	to be on met	hotrexate and d	due for monitoring	It is recommended	d that liver fu	nction is moni	itored every	3
Ref	Sex	Age	Reviewed	Notes				
Ref	Sex F	80	Reviewed	Notes				_
Ref	Sex F M	80		Notes				_
Ref	F	80 55 70	No	Notes				
Ref	F		No No	Notes				
Ref	F	80 55 70	No No No	Notes				
Ref	F M M F	80 55 70 46	No No No	Notes				
Ref	F M F F	80 55 70 46 52	No No No No	Notes				

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
50 50 50 51 51 0 0 0 0 0 0 0 0 0 0 0 0 0	Angiotensin	[Prescribing Safety] Patients $\!\!\!>\!\!\!=\!75$ years old on ACE or Loop Diuretic with no Renal check in 15M	34	0	View
01 ¹² 2 ¹² 2 ¹³	Anticoagulation	Prescribing Safety] Prescription of warfarin or DOAC and an antiplatelet drug in combination without co-prescription of an ulcer-healing drug	6	0	View
10 Jone 1	Anticoagulation	[Prescribing Safety] Prescription of warfarin or DOAC in combination with an oral NSAID	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.