

Standard operating procedure

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

Number: 1.2

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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		
Your logic has a two-fusion automatication poor agains its entities while entities and on a state of the stat	Enter Passude here:	
Send me my passcode by Bmail		
No Mobile Number Available Hose center agent to set up the drifty to send personice do SMS		
f the paracole data not an in the lime opping simply request another using the balance alone.		

Select 'Eclipse Live'

Guidance		cove o	Sharet Ry COVID Colls
Please Select Pathway of Ch	pice		
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Osberes Ecipse U	e COVID-19		or w
	Conjecter & SIZE Presenting 5	er fan 18 fei Nyfs Anne of 1 20	

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.

Home Overview - Calegories - Analytics Search	
Pathway. Eclipse Radar 4	NHS Kernow CCG 4
Safety Report [May 20] Alert Suite Rec	quest
Alert Breakdown	
Alert Breakdown by Patient	

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		Surgery: Surgery:	~	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 PARAMETER	s						
Reset Search Page					Surgery: Surgery.	~	Search by Patient Ref: Find
	Search Crit	teria			Medication Separate drups with a comma to add more than	one to any boxes below	Conditions Separate readcades with a comma to add more than one to any boxes below
eGFR	~	Days Great	e 🗸	365	Must Contain ALL:	Use BNF	Must [Not] Contain: Please Select
BP Systolic	~	>	\sim	140	Hust Contain ANY: Ramipril	Use BNF	Must [Not] Contain: Please Select
BP Diastolic	~	>	×	90	Must NOT Contain:	Use BNF	*Must Contain <u>All</u> :
Please Select	~	Select	×		NOT in Past Drugs:	Use BNF	*Must Contain Any:
Please Select	~	Select	~		Last Issued: more than days a	nd less than 90 days	*Must Not Contain:
Only show top:	1000 Result	ts (Leave blan	k for all	0	Show: All Drugs O Only Repeat Drugs O	Only 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 issued 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)

		dication add more than one to any boxes below	Separate read
]	Must Contain ALL:	Use BNF	Must [Not
1	Must Contain ANY:	Use BNF	Must [Not
	Must NOT Contain:	Use BNF	*Mus
	NOT in Past Drugs:	Use BNF	*Must
T	Last Issued: more than	days and less than 90 days	*Must

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
Immunosuppressan	t 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	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 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 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)

C	D	E	F	G
Search 1		Search 2	2. St. 1	Sear
Diuretic: Caution: Loop Diuretic detected		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
hyponatraemia.		1. Please validate that the patient's latest blo	od screen shows	
1. Please validate that the patient's latest bloo	d screen shows	significant hyponatraemia (<125) and that the	y are still taking their	
significant hyponatraemia and that they are sti		ACE or ARB (Azilsartan, Candesartan, Irbesa	etan, 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	ple antiplatelet agents	Patient appears to have anaemia and is on an	antiplatelet agent that	
hat can exacerbate the anaemia.		can exacerbate the anaemia.		
 Please validate that the Patient's latest bloc 		1. Please validate that the patient's latest blo		
significant anaemia and that they are still takin Antiplatelet: Caution: Multiple antiplatelet	a their multiple	anaemia and that they are still taking their blo	ood thinning agent	
		Antiplatelet: Caution: Antiplatelet agent		
agents detected with anaemia (Hb	Reviewed: NO	detected with anaemia (Hb >-9 & <	Revewed NO	-
Patient appears to have anaemia and on multip	ple antiplatelet agents	Patient appears to have anaemia and is on an	antiplatelet agent that	
hat can exacerbate the anaemia.		can exacerbate the anaemia.		
 Please validate that the Patient's latest bloc 		1. Please validate that the patient's latest blo		
significant anaemia and that they are still take Anticoagulation: Priority Monitoring:	a their multiple	anaemia and that they are still taking their bid Diuretic: Priority Monitoring: Loop Diureti	and thinning agent	Anticoagulation: Monitoring: Api
	Reviewed NO		Reviewed NO	Edoxaban or Dabigatran detecte
Patient appears to be on a NOAC which is con	A contract of the local data in the local data i	Patient appears to be on a loop duretic and d		Patient appears to be on a NOAC at
recent appears to be on a recivic emch is co renal failure and no recent creatinine blood tes		 Please validate that the patient is indeed or 		recommended that ALT is monitored
 Please validate that the patient's latest bloc 	Store and the state of the stat	(burnetanide, furosemide, torsemide) and that		1. Please validate that the patient is
failure and that they are still taking their NOAC			no recent creating	Edexaban or Dabipatran) and that n
Antiplatelet: Caution: Antiplatelet agent	Contraction Contraction	NEW MR ARE ADDRESS		Contracting of Contracting and Line 19
detected with severe anaemia (Hb <	Reviewed NO			
Patient appears to have anaemia and is on an	antiplatelet agent that	1		
can exacerbate the anaemia.				
1. Please validate that the patient's latest bloo	d screen shows			
significant anaemia and that they are still taking				
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 takin	a their blood thinning			
Diuretic: Caution: Potassium Sparing	Local Street and Inc.	Diuretic: Caution: Thiazide detected in	Second Second	
Diuretic detected in patient with	Reviewed: NO	patient with severe renal failure (eGFR	Revewed: NO	-
	uretics which are contra	Patient appears to have renal impairment and		
ndicated in hyperkalaemia.		Thiazides are ineflective if eGFR is less than	30mL/minute/1.73m2	
1. Please validate that the patient's latest bloo		and should be avoided.		
significant elevation of potassium (>5.7) and th Antibiotics: Caution: Nitrofurantoin	the second se	1. Please validate that the patient's latest bloc		

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 S	Suite Reque	st						
Alert Breakdown									
Alert Breakdown									
Alert Breakdown by F	Patient								
		Monitori	ing			Prescribi	ng 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 Prescribing Sa	fety								
Alerts Patients 5 18	Unreviewed 18								
Overall 5 18	18								
Monitoring Alerts Alerts: 68 - Patients: 267	- Unreviewed:	267							
Level Type Search								Total Patients	Reviewe

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

A	8	c	D	E	F
nformation	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	Ven
formation	03/05/2020	Immunosuppressant: Monitoring: Azathioprine detected, due Seasonal Flu Vaccine (>365 days)	3	٥	Van
formation	03/05/2020	Aminosalicytate: Monitoring: Mesalazine detected with liver impairment (ALT >50) and due LFTs (Bilirubin >180 days)	1	0	Vev
formation	03/05/2020	DMARD: Monitoring: Sulfasalazine detected and due FBC (Hb >385 days)	1	0	View
formation	03/05/2020	DMARD: Monitoring: Methotrexate detected and due LFTs (Bilirubin >90 days)	6	0	Vew
formation	03/05/2020	DMARD: Monitoring: Methotrexate detected and due U&Es (Creatinine >90 days)	6	0	Vev
formation	03/05/2020	Immunosuppressant: Monitoring: Azathioprine detected, due U&Es (Creatinine >180 days)	1	0	Vere
formation	03/05/2020	Anticoagulation: Monitoring: Warfarin detected and BP now due (>365 days)	7	0	Ven
formation	03/05/2020	Anticoagulation: Monitoring: Warfarin detected and U&Es now due (Creatinine >365 days)	6	0	Vev
formation	03/05/2020	Anticoagulation: Monitoring: Warfarin detected and FBC now due (Hb >365 days)	7	٥	Ven
		Anticoagulation: Monitoring: Warfarin detected			

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 to Sum	B mary Page	с	D	E
Detai				
Monit	oring: Metho	strexate detected	and due LFTs (B	ilirubin >90 days)
appears	to be on met	thotrexate and due	for monitoring. It is	s 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 Total Patients Area Search Patients Reviewed View Prescribing Safety| Patients >= 75 years old on ACE or Loop Divertic with no Renal check in 15M Anglotes 34 0 المار المار المار المار المار المار المار ال Anticosgulation [Prescription of sentiation of configuration of an ulcer-beal in combination without co-construction of an ulcer-beal ino doub 6 0 Anticoogulation (Prescripting Bafety) Prescription of warfarin or COAC in combination with an intel MSWD 4 0

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.