targetovariancancer.org.uk



How to guide: Clinical IT alert

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Why consider a clinical IT alert for ovarian cancer:

The symptoms of ovarian cancer can include persistent bloating, abdominal pain and loss of appetite, problems which can also present in benign disease such as IBS. This means that some patients with these symptoms are not immediately investigated for ovarian cancer.

Description:

An alert that comes up on screen with advice to test CA125 and review NICE guidance when a woman over 50 is coded with a new diagnosis of IBS or diverticulitis and there has been no recent CA125 blood test. The triggers for the alert can be tailored in terms of conditions and patient age to reflect national guidance and local priorities.

Who should use this guide:

This guide has been developed following a successful pilot of a clinical IT alert through Target Ovarian Cancer's Early Diagnosis Network and can help primary care teams implement and evaluate a similar intervention tailored to local need.

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Step 1

Contact Target Ovarian Cancer to discuss how the learning from the 'Breaking down barriers to early diagnosis' project can support you and your local stakeholders to diagnose ovarian cancer earlier. Please email: **earlydiagnosis@targetovariancancer.org.uk**.

Step 2

Identify a data lead to advise on the best approach to embedding the clinical IT alert on your primary care system. Your commissioning support team may be able to help you with this.

Step 3

Agree the protocol for your alert. In our pilot areas, the following protocol was successfully evaluated, and can be provided on request by emailing **earlydiagnosis@ targetovariancancer.org.uk**. Alternatively, you may wish to adapt this to local need:

Patient is coded with IBS/Diverticulitis (trigger for clinical prompt) **On screen alert to read:** This patient is being coded with a new diagnosis of IBS/Diverticulitis and is aged over 50. NICE recommends clinicians consider measuring serum CA125 if a woman (especially those aged >50) reports persistent changes in bowel habit, and/or reports persistent symptoms of abdominal distension, increased urinary frequency, and/or early satiety.

Inclusion:

- Female AND
- Aged >50 AND
- Coded new diagnosis of IBS/ Diverticulitis AND
- No record of CA125 in the last three months

Exclusion:

- CT abdomen coded in last six months AND/OR
- Pelvic ultrasound coded in last six months AND/OR
- An existing/previous diagnosis of ovarian/ other cancers AND/OR
- Record of CA125 in last three months

Step 4

Bring together a multidisciplinary team, including secondary care colleagues, to agree the implementation plan including communications to GPs and practices about the alert.

Step 5

Set up the IT alert on your GP system. If you use EMIS Web, please refer to the step by step guide over the page, developed by the NHS Midlands & Lancashire Commissioning Support Unit to set up the alert.

Step 6

Monitor the impact of the clinical IT alert on primary care workload and patient outcomes. You could consider monitoring:

- > The number of patients identified.
- Increases in CA125 blood tests ordered.
- Patient outcomes.
- GP's views on the usefulness and efficacy of the alert.

Step 7

Share the outcomes from your clinical IT alert exercise with Target Ovarian Cancer to help build further evidence and best practice within the Early Diagnosis Network.

Further resources

This How To guide has been developed to support the roll-out of best practice innovations to improve the early diagnosis of ovarian cancer.

Target Ovarian Cancer can provide further support, information and guidance about ovarian cancer to primary care teams through our **GP Network**, and can support you by delivering ovarian cancer diagnosis training and information sessions. We also offer a range of **support and information services** for people concerned about ovarian cancer including a nurse-led **support line**.

For more information about how we can support you, please email **earlydiagnosis@targetovariancancer.org.uk**.

Step-by-step guide to installing the protocol and setting the triggers on EMIS Web

This step-by-step guide has been developed by NHS Midlands & Lancashire Commissioning Support Unit to support implementation of an IT clinical alert within EMIS Web.

Step 1 - Create folder in Concept Manager

Go to Template Manager > Resource Publisher > Concept Manager in EMIS Web



Create folder named Ovarian concepts

	Ovarian concepts	properties
Add Edit Pro		Ovarian concepts
Concept >	Type: Description:	Folder
Folder	Version:	

Click Save

Concepts

A Library items

Step 2 - Download the protocol

- > You have been sent an email with an attachment
- Click on the down arrow next to the title
- Then Save As



Navigate to your Desktop and click Save



Step 3 - Import into EMIS Web

Go to Template Manager > Resource Publisher in EMIS Web



Make sure you are on the Template > Resource Publisher tab – highlight the folder you want to save the protocol



> Then click Import on the ribbon at the top



Locate the protocol that was saved onto the desktop then click Open

e name: P MLCSU DQ CA125 Needed v1.0	~	XML Files	~
		Open	Cancel

If using Resource Publisher and you cannot see the protocol in the folder click to Show Archived on the ribbon. You should then be able to see the protocol as Draft

	Name	Description	Туре	Published	EMIS Mobile	Date Modified	Status
- The	😵 P MLCSU DQ CA12	25 Need Imported item.	Alert Protocol	No		21-Feb-2022	Draft
Show							
Archived							

- Highlight the protocol then click **Activate** on the ribbon
- Click **Yes** to activate

View	Test Run	Print	Manage Publishing	Activate	Hide Archived	Show Archived	Refrest
		Templa	te			View	
2 (2)	Docur	ments -	4 Med	icine Managem	ent - 5 (5)	Regis	tration
Na	me			Description		Туре	
💡 P M	ILCSU I	DQ CA12	25 Need 1	Imported item.		Alert Pro	tocol
Vei test P: N P P Wei P P E Vei	ight I A MLCS rint V Ilbein DQ NI	Activate i	tem Are you	sure you want i	to activate t	this item?	×
V DQ					Yes	No	

EMIS Web will prepare the concepts that are attached to the protocol



The concepts will be listed as shown below:

Name	Туре	Action
Age 50+	Concept	New
CA125 in last 4 weeks	Concept	New
Ovarian Cancer ever	Concept	New
CT abdomen in last 6 months	Concept	New
MLCSU DQ CA125 Needed v1.0	Protocol	New
Age	Concept	None
Female	Concept	None
Sex	Concept	None

Click Browse

Choose the folder that you created earlier in the instructions - Ovarian concepts



> Then click Import. The concepts will now import



- X CT abdomen in last 6 months
- 🔆 CA125 in last 4 weeks
- 🔆 Age 50+

The protocol is now installed

Import complete. Refreshing... please wait.

If using Template Manager the protocol will import as active If using Resource Publisher, you will have to activate the protocol

Click Activate and then click Yes

Activate Content Activate Content Archive	0	Are you sure you wa	int to activate	this item?
<u>Tasks</u> - 3 (1)		[Yes	No

Step 4 – Setting the triggers

- For Resource Publisher go to Folder where you have saved your Protocol > right click on MLCSU DQ CA125 Needed Protocol > protocol > manage triggers
- For Template Manager go to Folder where you have saved your Protocol > right click on MLCSU DQ CA125 Needed Protocol > Properties
- Add the options as shown in the screen shot below and click **OK**

ept ID	Description ID
3008	18666015
96006	450775010
	3008 : 96006 4

The protocol will now be set and active on your system. For further support please email **earlydiagnosis@targetovariancancer.org.uk**.

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