

#### Improving clinical care with EMIS Web

emis <sub>Web</sub>	Ver: 6.2.6.0000 (Microsoft Windows 7 Enterprise 64 bit)						
Username							
Password	Type your password						
Organisation ID	24164						
	Sign in Close						
Reset password Username	reminder						
Current connection: Primary	Having problems? View our Status Page						
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Andrew McElhinney GP
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#### Aims of workshop

- Not to try and train you in EMIS Web!
- Show some of the possibilities for identifying
  - Changing disease prevalences
  - Patient groups with higher drug uses
  - Patients with poorly controlled conditions
  - Patients lost to follow up
  - Prescribing safety indicators
  - Unnecessary alerts, out of date KISs, referral rates

#### Main uses of Web at present

- Search and reports: greater detail can be designed into and displayed by Web than is possible in PCS
- Sharing of data with Health Board: all FV practices have signed a data sharing agreement to share data "pseudoanonymously" with the Health Board.
- Although no patients can be identified at HB level, searches can be designed and shared which will allow identifiable lists to be run at practice level to help with audits, patient safety, or enhanced services.
- Business continuity: Read-only access when PCS is unavailable. As long as there is an N3 connection, you can access data in Web by logging on via your desktop.

#### Is your stream ok?

 To check that data is current check the home screen on logging on:



Ver: 4.11.3.0000 (Microsoft Windows 7 Enterprise 64 bit)

Last Logon: 10-Feb-2015 15:12

Last Local Backup: No backup Run Backup

Last Streamed: 10 minutes ago

#### You need to know user log in details

- Access EMIS Web by desktop shortcut
- Use EMIS Web username and password
- Use EMIS practice CDB number as organisation ID, user name and password.
- You can delete EMIS Web BC shortcut as is for English practices. Or can you??



# To find or change your user name / password

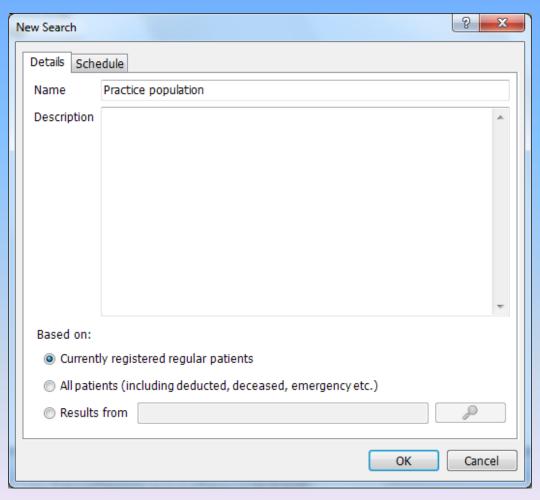
In EMIS Web, click (top I hand side) then access
 Configuration / Organisation configuration



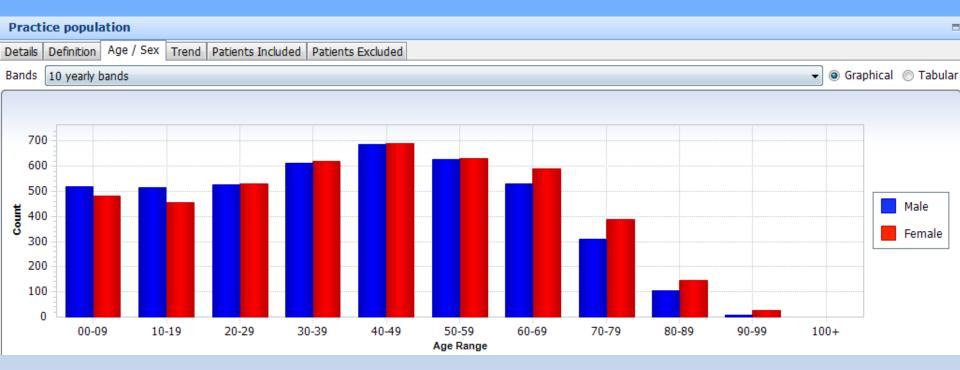
# Simple searches 1: practice age / sex profile

- click add new folder / search
- name search current practice population
- select currently registered pts, ok
- save and run (no rules need to be added)
- age / sex profile
- snipping tool

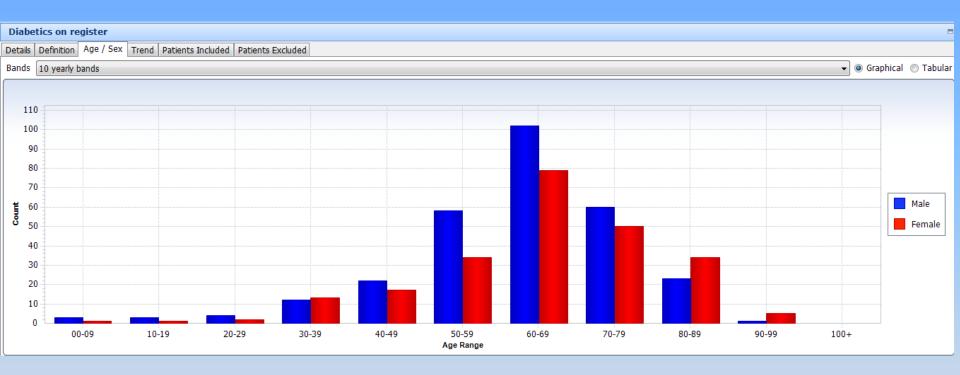
# Simple searches 1: practice age / sex profile



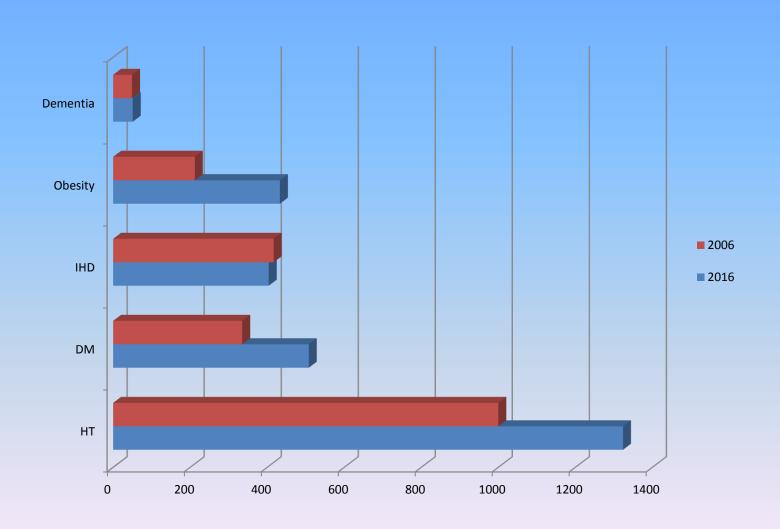
### Practice age / sex profile



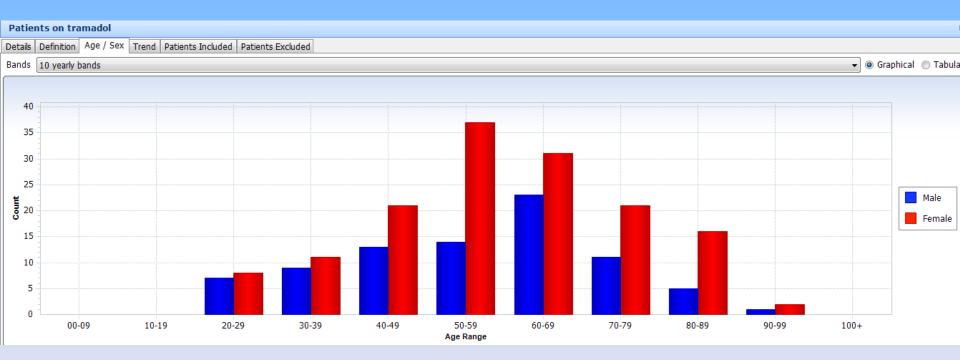
#### Patients with diabetes



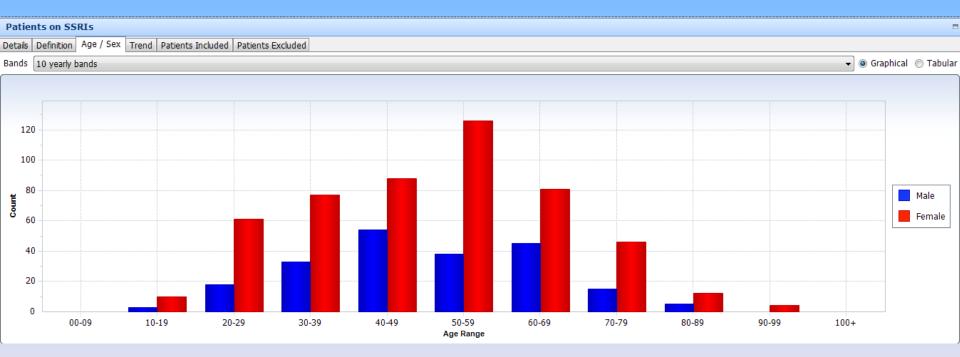
### Changes in chronic disease?



#### Patients on tramadol in past 3m



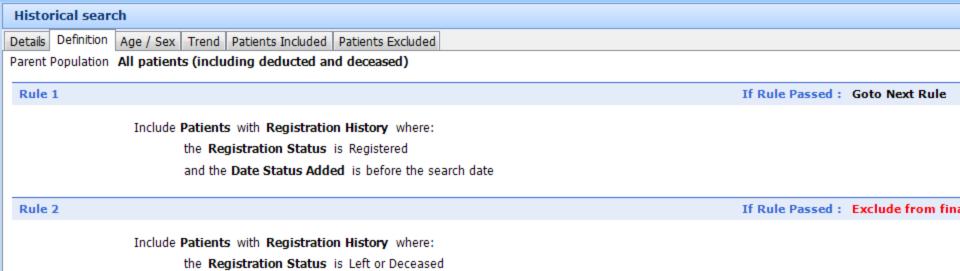
#### Patients on SSRIs in past 3m



#### **Historical search**

- Relative run date run "as of" historical date
- Need to include all pts
- Need to exclude pts who previously left / died

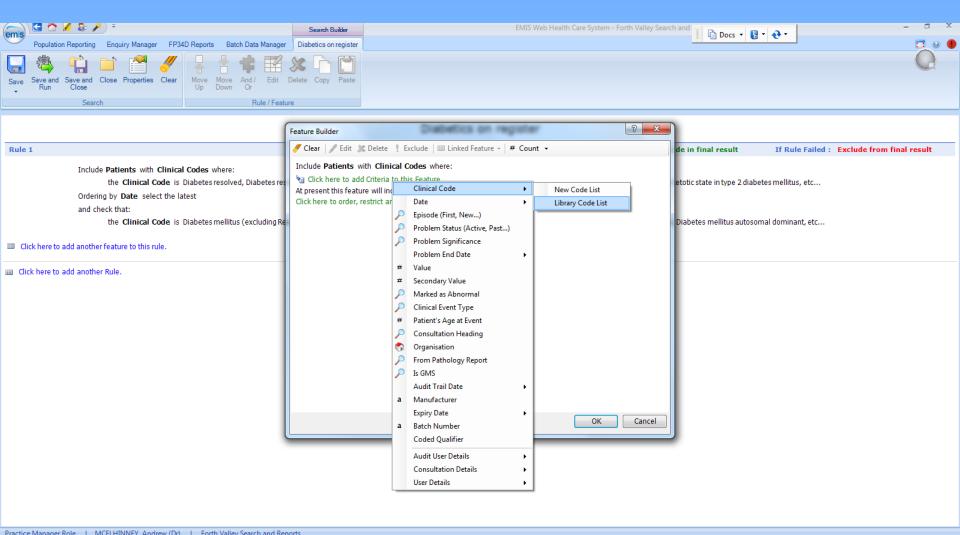
and the Date Status Added is before the search date



#### Simple searches 2: chronic disease

- add search, name e.g. diabetics
- select currently registered pts
- create new rule / feature / clinical code
- add criteria / clinical code / library code list / diabetes
- save and run

#### Simple searches 2: chronic disease



























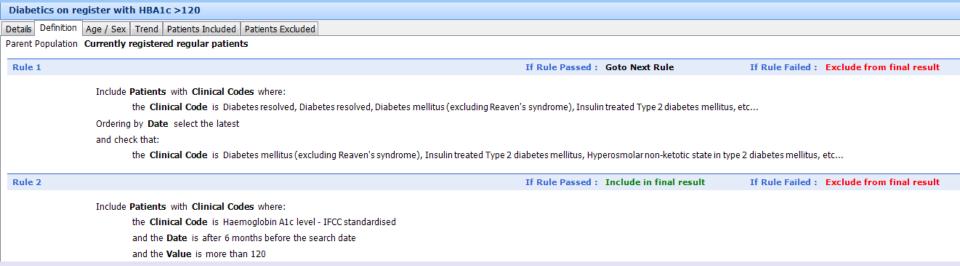




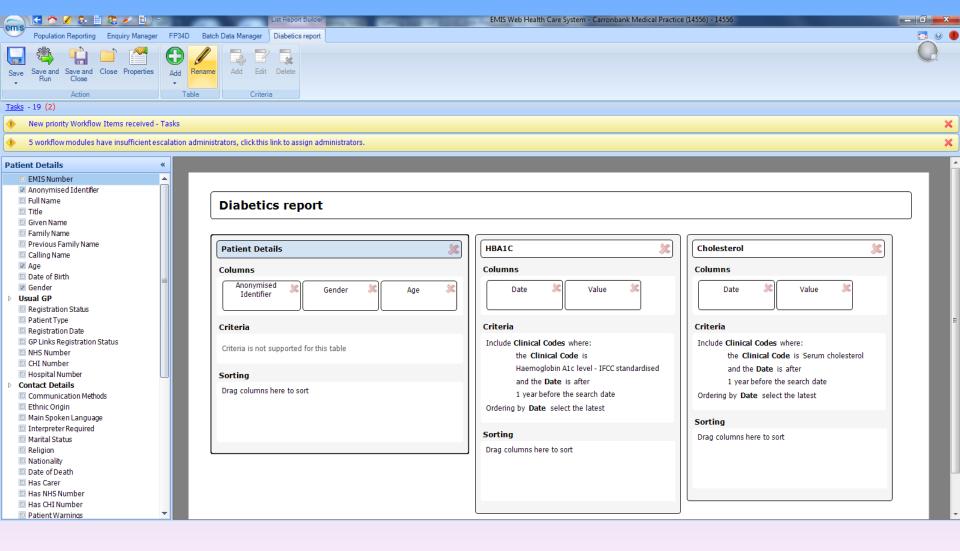


#### Diabetics with high HBA1C

- Copy search
- Paste and rename using properties
- Create new rule / feature / clinical code



### **Building reports**



### **Diabetics report: view results**

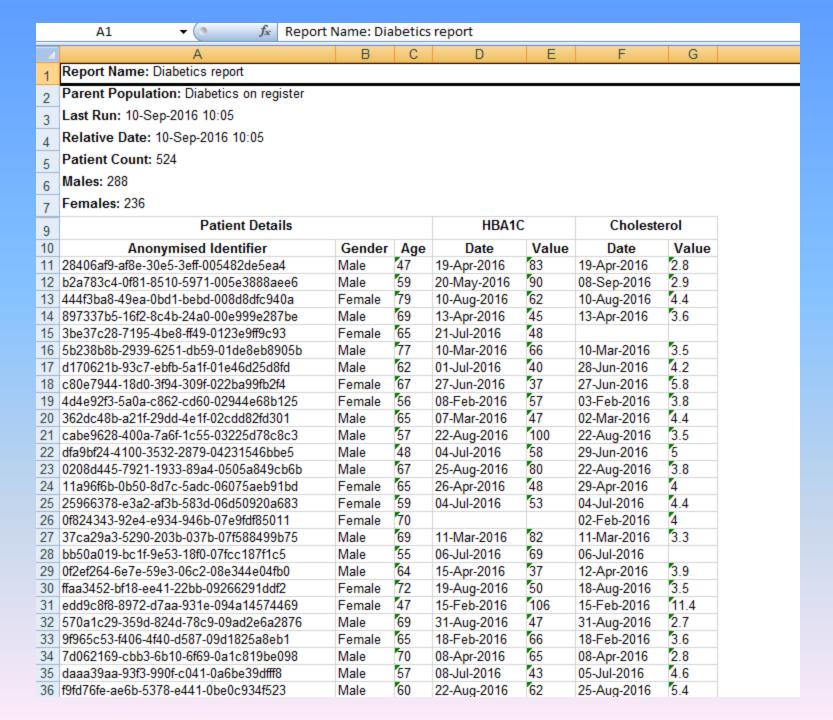
#### Diabetics report

Parent Population: Diabetics on register

Last Run: 10-Sep-2016 10:05 Relative Date: 10-Sep-2016 10:05

۱	Patient Count	Males	Females		
	524	288	236		

Patient Details	HBA1C		Cholester	ol		
Anonymised Identifier	Gender	Age	Date	Value	Date	Value
28406af9-af8e-30e5-3eff-005482de5ea4	Male	47	19-Apr-2016	83	19-Apr-2016	2.8
b2a783c4-0f81-8510-5971-005e3888aee6	Male	59	20-May-2016	90	08-Sep-2016	2.9
444f3ba8-49ea-0bd1-bebd-008d8dfc940a	Female	79	10-Aug-2016	62	10-Aug-2016	4.4
897337b5-16f2-8c4b-24a0-00e999e287be	Male	69	13-Apr-2016	45	13-Apr-2016	3.6
3be37c28-7195-4be8-ff49-0123e9ff9c93	Female	65	21-Jul-2016	48		
5b238b8b-2939-6251-db59-01de8eb8905b	Male	77	10-Mar-2016	66	10-Mar-2016	3.5
d170621b-93c7-ebfb-5a1f-01e46d25d8fd	Male	62	01-Jul-2016	40	28-Jun-2016	4.2
c80e7944-18d0-3f94-309f-022ba99fb2f4	Female	67	27-Jun-2016	37	27-Jun-2016	5.8
4d4e92f3-5a0a-c862-cd60-02944e68b125	Female	56	08-Feb-2016	57	03-Feb-2016	3.8
362dc48b-a21f-29dd-4e1f-02cdd82fd301	Male	65	07-Mar-2016	47	02-Mar-2016	4.4
cabe9628-400a-7a6f-1c55-03225d78c8c3	Male	57	22-Aug-2016	100	22-Aug-2016	3.5
dfa9bf24-4100-3532-2879-04231546bbe5	Male	48	04-Jul-2016	58	29-Jun-2016	5
0208d445-7921-1933-89a4-0505a849cb6b	Male	67	25-Aug-2016	80	22-Aug-2016	3.8
11 00001 0150 017 5 1 00075 1011 1		c.r.	26 4 2016	4.0	20 4 2016	



#### **Convert to number**

HBA1C						
Date	Value					
19-Apr-20 🚯	83					
20-May-2016	90					
10-Aug-2016	62					
13-Apr-2016	45					
21-Jul-2016	48					
10-Mar-2016	66					
01-Jul-2016	40					
27-Jun-2016	37					
08-Feb-2016	57					
07-Mar-2016	47					
22-Aug-2016	100					
04-Jul-2016	58					
25-Aug-2016	80					
26-Apr-2016	48					
04-Jul-2016	53					

HBA	1C	Cholest	erol					
Date	Value	Date	Val					
19-Apr-20 🕦	<b>-</b> 83	19-Apr-2016	2.8					
20-May-20	lan	000 0040	9					
10-Aug-20	Number	Stored as Text	4					
13-Apr-20	Convert	6						
21-Jul-201	A STATE OF THE STA							
10-Mar-20	Help on	this error	5					
01-Jul-201	Ignore Er	ror	2					
27-Jun-20	Ealitie Ea							
08-Feb-20	Edit in E	Edit in <u>F</u> ormula Bar						
07-Mar-20	Error Che	ecking <u>O</u> ptions	4					
00 4 00 40	****	****	-					

# Chronic disease and prescribing searches

#### Name

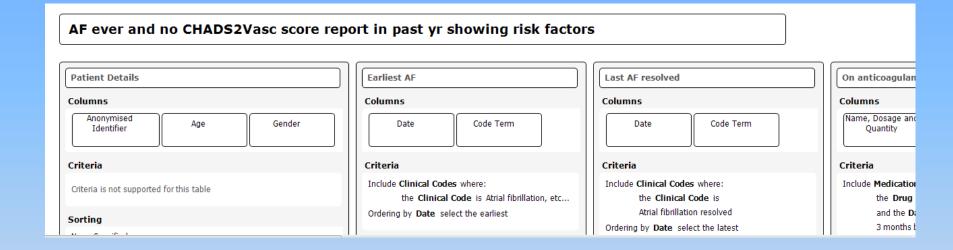
- Chronic disease and maybe lost to follow up
- Guthrie high risk prescribing searches
- rescribing Indicators with extreme risk of harm
- rescribing Indicators with risk of harm

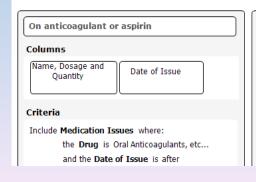
# Chronic disease and maybe lost to follow up

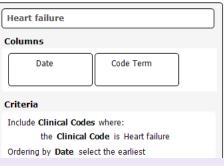
Name	Patient Count	%	Last Run
AF and no CHADS2 vasc score in past 2 years	13	1%	09-Sep-2016
AF ever and no CHADS2Vasc score report in past yr showing risk fac	13		09-Sep-2016
	19	1%	09-Sep-2016
→ BMI over 50 and no HBA1c	6	1%	09-Sep-2016
CKD 4 or 5 ever and no U&Es in past year	2	1%	09-Sep-2016
CKD 5 ever and no U&Es in past year	0	0%	09-Sep-2016
COPD ever, recent steroids and no spirometry in past 3 years	26	1%	09-Sep-2016
HBA1C over 50 and no diabetes code	4	1%	09-Sep-2016
Heart failure and not on ACEI or Bblocker	15	1%	09-Sep-2016
Hypertension with previous systolic over 180 and no BP in past year	6	1%	09-Sep-2016
Liver disease AST greater than 300 and no alcohol intake recorded	3	1%	09-Sep-2016
Type 2 diabetes and no HBA1C in past 2 years	8	1%	09-Sep-2016

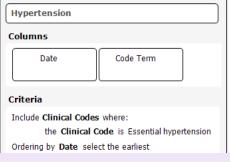
Name	Patient Count	%	Last Run
1a. Metformin in last 3m to patient who ever had eGFR <30	7	1%	09-Sep-2016
1b. Metformin in last 3m to patient who has had recent eGFR <30	1	1%	09-Sep-2016
1c. Metformin in last 3m to patient whose last eGFR is <30	1	1%	09-Sep-2016
2a. NSAID (incl aspirin) in last 3m and no gastric protection if PH peptic ulc	14	1%	09-Sep-2016
🔑 2b. NSAID (not aspirin) in last 3m and no gastric protection if PH peptic	5	1%	09-Sep-2016
3a. NSAID (incl aspirin) in past 3m to patients with recent eGFR <45	49	1%	09-Sep-2016
3b. NSAID (incl aspirin) in last 3m to patients with most recent eGFR <45	23	1%	09-Sep-2016
3c. NSAID (not aspirin) in past 3m to patients with recent eGFR <45	3	1%	09-Sep-2016
3d. NSAID (not aspirin) in past 3m to patients with most recent eGFR <	1	1%	09-Sep-2016
4a. Patient co-prescribed antibiotic and warfarin in past 3m	13	1%	09-Sep-2016
4b. Patient co-prescribed antibiotic and warfarin and no INR check in 5	10	1%	09-Sep-2016
5. Penicillin prescribed in past 6m to patient with penicillin allergy	20	1%	09-Sep-2016
6. Patient given warfarin and no INR done in previous 12 weeks	4	1%	09-Sep-2016

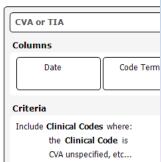
#### **CHA2DS2-Vasc calculator**











#### **CHA2DS2-Vasc calculator**

	Patie	ent Details		Ear	liest AF	L	On anticoagulant or a	aspirin	He	art	Нур	pert	CVA or	Diab	Vascu	СНА	Has	wit a	ige :	Se C	HA2DS
								·			- 1										
EMI ~	A( ~	Date of -	G∈ ▼	Date *	Code 💌	-	Name, Dosage and	Date 💌	D -	( -		( -	I - C -	T	<b>T</b>	-	C(▼	C 🔽 (	<b>T</b> (	C	oli 🕶 (
142	79	05-Jun-1937	Male	24-Dec-	Atrial										28-Pe		1	0	2	0	3
154	75	16-May-1941	Fem	22-Nov-	Atrial				-80	Hea	01-	Es	29- Stro				3	1	2	1	7
165	79	05-Oct-1936	Male	21-Oct-	Atrial		Rivaroxaban Tablets 15	13-Jul-									0	0	2	0	2
274	86	09-Mar-1930	Fem	11-Aug-	Atrial		Aspirin E/c tablets 75	12-Aug-	03-	Left							1	0	2	1	4
323	77	19-Mar-1939	Fem	15-Aug-	Atrial		Aspirin Dispersible	04-Aug-						26-Ty	07- An		2	0	2	1	5
482	82	22-Jul-1934	Male	10-May-	Atrial		Warfarin Sodium	31-Aug-			16-	Es					1	0	2	0	3
496	72	08-Apr-1944	Fem	18-Aug-	Atrial		Aspirin Dispersible	30-Aug-			24-	Es					1	0	1	1	3
636	86	10-Nov-1929	Male	21-Jan-	Paroxysmal		Rivaroxaban Tablets 20	01-Aug-			24-	Es	08- Tran		21- Isc	:	3	1	2	0	6
647	74	13-Feb-1942	Male	16-Dec-	Paroxysmal		Rivaroxaban Tablets 20	04-Aug-			26-	Es			03- An		2	0	2	0	4
721	84	22-Dec-1931	Male	01-Dec-	Atrial												0	0	2	0	2
852	87	01-Jun-1929	Male	08-Jun-	Paroxysmal		Aspirin Dispersible	30-Aug-						30-Ty			1	0	2	0	3
1012	71	13-Dec-1944	Fem	12-May-	Atrial		Rivaroxaban Tablets 20	30-Aug-			19-	Es		15-Ty	05- Isc	:	3	0	1	1	5
1330	75	09-Jan-1941	Male	05-Nov-	Atrial		Warfarin Sodium	22-Aug-			22-	Es					1	0	2	0	3
1460	69	06-Jan-1947	Fem	22-Apr-	Atrial		Warfarin Sodium	26-Jul-					01- CV		01- Isc	:	2	1	1	1	5
1463	87	29-Jul-1929	Fem	01-Jun-	Atrial		Warfarin Sodium	13-Jul-							01- Isc	:	1	0	2	1	4
1653	83	17-Aug-1933	Male	22-Dec-	Atrial		Warfarin Sodium	01-Jul-	06-	Con	26-	Es		06-Ty	25- Isc	:	4	0	2	0	6
1851	87	01-Nov-1928	Fem	20-Feb-	Atrial		Warfarin Sodium	21-Jun-			03-	Es			01- An		2	0	2	1	5
1894	85	01-Jun-1931	Fem	19-May-	Atrial		Warfarin Sodium	28-Jul-									0	0	2	1	3
1998	71	13-Dec-1944	Fem	05-Nov-	Atrial		Warfarin Sodium	04-Aug-									0	0	1	1	2
2064	71	08-Sep-1944	Male	26-Jul-	Atrial		Rivaroxaban Tablets 20	15-Aug-			11-	Es		19-Ty	01- An		3	0	1	0	4
2194	82	04-Jul-1934	Fem	19-Feb-	Atrial		Rivaroxaban Tablets 20	30-Aug-			20-	Es					1	0	2	1	4
2319	92	25-Jan-1924	Male	24-Jan-	Atrial		Aspirin Dispersible	16-Aug-			06-	Es		16-Ty			2	0	2	0	4
2598	67	06-Oct-1948	Fem	12-Jan-	Atrial		Rivaroxaban Tablets 20	31-Aug-							17- Ac		1	0	1	1	3
2650	76	19-Jun-1940	Male	14-Nov-	Atrial		Warfarin Sodium	30-Aug-						16-Ty	16- An		2	0	2	0	4
2793	86	27-Oct-1929	Fem	06-Sep-	Paroxysmal						12-	Es			13- Isc	:	2	0	2	1	5
3014	89	03-Feb-1927	Fem	18-Jun-	Atrial				22-	Con				17-Ty			2	0	2	1	5
3021	91	20-Jun-1925	Fem	01-Aug-	Atrial		Warfarin Sodium	30-Aug-			16-	Es			01- An		2	0	2	1	5
3329	73	23-Feb-1943	Fem	25-Feb-	Atrial		Warfarin Sodium	11-Jul-	22-	Hea	01-	Es	06- Stro	18-Ty			4	1	1	1	7
4192	67	28-Feb-1949	Male	29-Jun-	Atrial										10- An		1	0	1	0	2
4787	66	08-Apr-1950	Male	04-May-	Atrial		Warfarin Sodium	11-Aug-						27-Ty			1	0	1	0	2
5248	82	17-Oct-1933	Male	11-Nov-	Atrial		Warfarin Sodium	04-Aug-	11-	Con				24·Ty			2	0	2	0	4
V												-						-		-	-

Name	Patient Count	%	Last Run
1a. Oral antipsychotic prescription to patients >75	3	1%	09-Sep-2016
1b. Oral antipsychotic prescription to patients >75 with dementia diagn	0	0%	09-Sep-2016
2. Oral NSAID to >65 years and currently on diuretic and ACE inhibitor	17	1%	09-Sep-2016
3. Oral NSAID to >75 without gastroprotection	5	1%	09-Sep-2016
4. Oral NSAID to >65 on aspirin or clopidogrel without gastroprotection	2	1%	09-Sep-2016
5. Oral NSAID to pts on anticoagulant without gastroprotection	1	1%	09-Sep-2016
6. Aspirin or clopidogrel to pt on oral anticoagulant without gastroprote	1	1%	09-Sep-2016

Name	Patient Count	%	Last Run
🔑 1. Amiodarone with no LFT or TSH in past 9m	0	0%	09-Sep-2016
🔑 2. Co-prescription of lithium with thiazide diuretic	0	0%	09-Sep-2016
🔑 3. Co-prescription of verapamil and beta blocker	0	0%	09-Sep-2016
🔑 4. Diltiazem or verapamil prescribed in past 6m to pt with heart failure	3	1%	09-Sep-2016
5. Metformin with no creatinine done in last year	10	1%	09-Sep-2016
6. Methotrexate and no FBC in previous 3m	4	1%	09-Sep-2016
7. Patients on ACE I or ARBs and no U&Es in past 15m	96	1%	09-Sep-2016
8. Patients over 75 yrs on loop diuretics with no U&Es done in past 15m	2	1%	09-Sep-2016

Name	Patient Count	%	Last Run
1a. Oral antipsychotic prescription to patients >75	3	1%	09-Sep-2016
1b. Oral antipsychotic prescription to patients >75 with dementia diagn	0	0%	09-Sep-2016
2. Oral NSAID to >65 years and currently on diuretic and ACE inhibitor	17	1%	09-Sep-2016
3. Oral NSAID to >75 without gastroprotection	5	1%	09-Sep-2016
4. Oral NSAID to >65 on aspirin or clopidogrel without gastroprotection	2	1%	09-Sep-2016
5. Oral NSAID to pts on anticoagulant without gastroprotection	1	1%	09-Sep-2016
6. Aspirin or clopidogrel to pt on oral anticoagulant without gastroprote	1	1%	09-Sep-2016

#### Other searches

- Patient alerts plus text
- KIS by GP
- Referrals by GP
- Patient deaths with cancer / chronic conditions / ePCS