



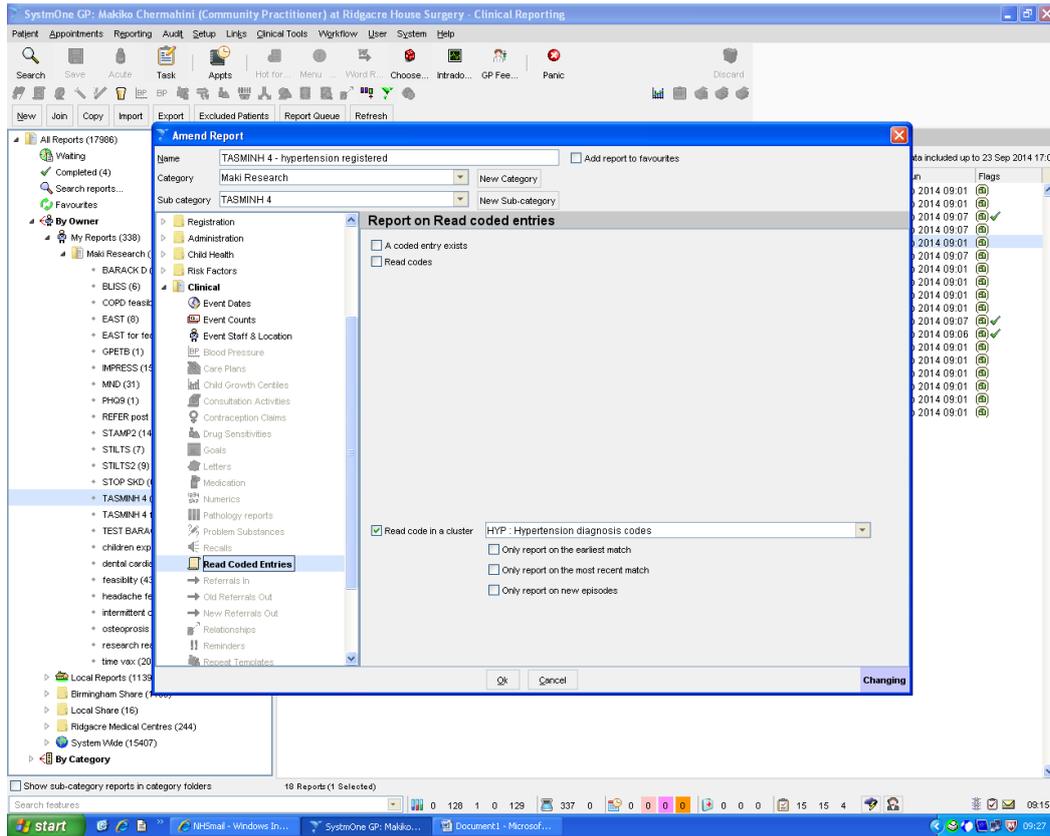
TASMINH4 study

GP Clinical System Search – SystemOne

*Step-by-step instructions for conducting the TASMINH4 search in SystemOne
to accompany Working Instruction 01: Practice List Search*

1. In SystemOne, click on reporting
2. Go to clinical reporting
3. Choose a folder to save the search to or click new folder
4. Name the report TASMINH4 – hypertension registered
5. Name the sub category TASMINH4
6. On demographics, click on age, mark current age as over 35 years:

7. On "Clinical", click on read coded entries and choose HYP: Hypertension diagnosis codes



- On "Clinical" click on numerics, choose BPSYS – BP systolic codes and mark greater than 145, tick boxes as below.

The screenshot shows the SystmOne GP software interface. The main window is titled "SystmOne GP: Makiko Chermahini (Community Practitioner) at Ridgacre House Surgery - Clinical Reporting". The "Amend Report" dialog box is open, showing a report for "TASMINH4 - exc BP less than 140". The "Report on numeric values" section is active, with "Numerics" selected in the left-hand menu. The "Report on numeric values" section has several options: "A numeric reading exists" (unchecked), "Numeric reading of" (unchecked), and "Numeric in Read code cluster" (checked). Under "Numeric in Read code cluster", there are two dropdown menus, both set to "BPSYS - BP systolic codes", and a value of "140" is entered in the second dropdown. Below the dropdowns, there are two checkboxes: "Only report on the most recent reading" (checked) and "Without having a more recent" (checked). The background shows a tree view of reports and a list of dates on the right side.

9. On “Clinical”, click on read coded entries and choose “chronic kidney disease 4 and 5”

The screenshot displays the SystmOne GP software interface. The main window is titled "SystmOne GP: Makiko Chermahini (Community Practitioner) at Ridgacre House Surgery - Clinical Reporting". The interface includes a menu bar (Patient, Appointments, Reporting, Audit, Setup, Links, Clinical Tools, Workflow, User, System, Help) and a toolbar with various icons. A left-hand navigation pane shows a tree view of reports, with "By Owner" and "By Category" sections. The "By Owner" section is expanded to show "My Reports (338)", including "Maki Research (1)" and "TASMINH 4 (1)". The "By Category" section is also visible, showing "Local Reports (1139)", "Birmingham Share (1)", "Local Share (16)", "Ridgacre Medical Centres (244)", and "System Wide (15407)".

The "Amend Report" dialog box is open, showing the following details:

- Name: TASMINH4 - exc CKD 4 or worse
- Category: Maki Research
- Sub category: TASMINH 4

The "Report on Read coded entries" section is active, showing the following options:

- A coded entry exists
- Read codes
- Read code in a cluster

The "Read Codes and Children" section lists the following read codes:

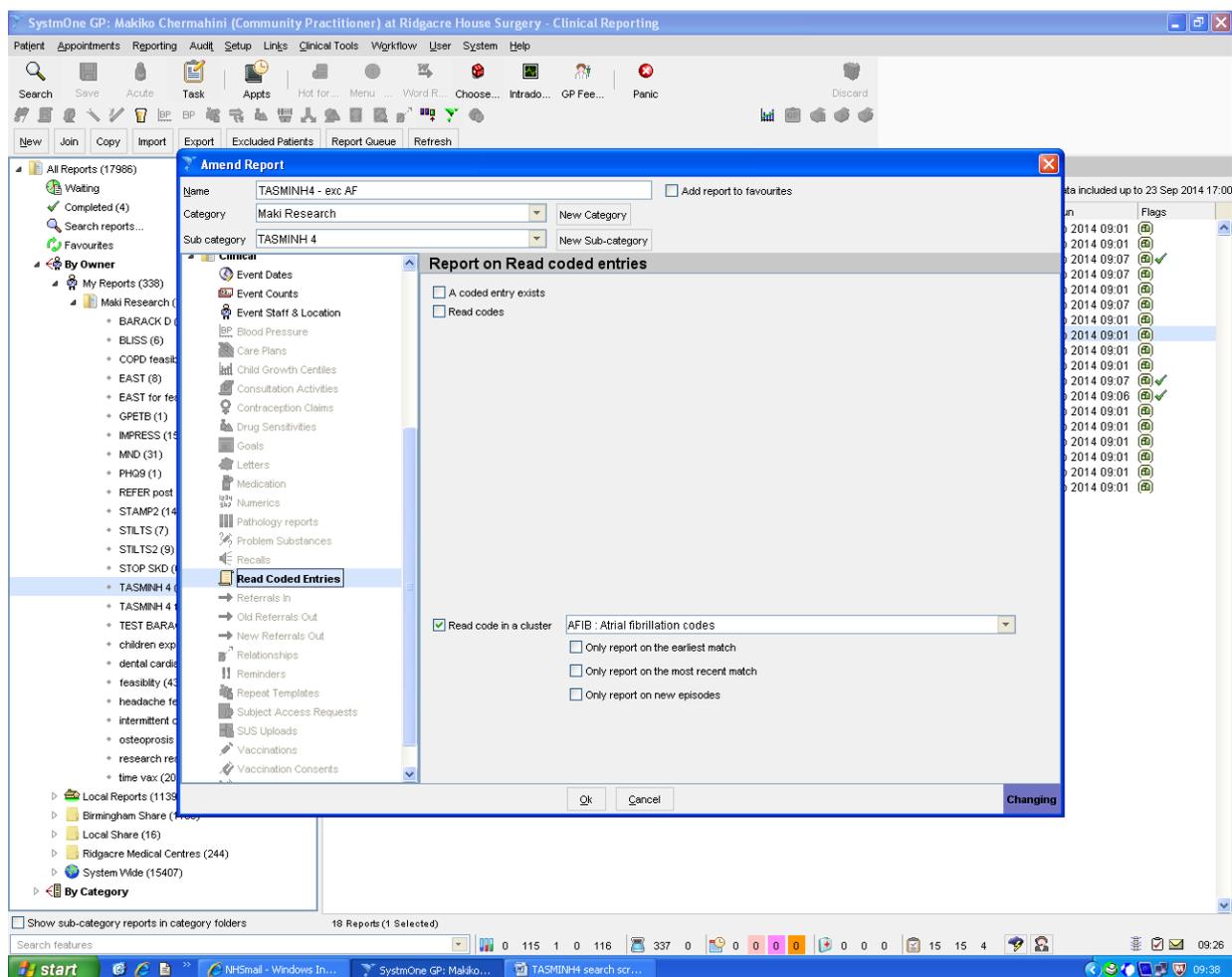
- Chronic kidney disease stage 4 (XaLH,)
- Chronic kidney disease stage 5 (XaLHK)

The "Select Read Codes" section is empty. The "Only report on the earliest match", "Only report on the most recent match", and "Only report on new episodes" options are all unchecked.

The background shows a list of reports with columns for "Date" and "Flags". The "Date" column shows "2014 09:01" for multiple entries. The "Flags" column shows icons for "Waiting", "Completed", and "Search reports...".

The taskbar at the bottom shows the Windows Start button, several open applications (NHSmal - Windows In..., SystmOne GP: Makiko..., TASMINH4 search scr...), and the system tray with the time 09:19.

11. On “Clinical”, click on read coded entries and choose “AFIB: Atrial fibrillation codes”



12. On report joining, click on join to more than two reports, on the join type, make sure the diagram is as shown below. All clinical exclusion reasons are now within one place.

The screenshot shows the SystmOne GP interface with the 'Amend Report' dialog box open. The dialog is titled 'Amend Report' and shows the following details:

- Name: TASMINH 4 - exclusions (conditions) together
- Category: Maki Research
- Sub category: TASMINH 4

The 'Join to more than two reports' dialog is also open, showing a list of reports to be joined:

Name	Category
TASMINH4 - exc AF	Maki Research / TASMINH 4
TASMINH4 - exc BP below90	Maki Research / TASMINH 4
TASMINH4 - exc BP less than 140	Maki Research / TASMINH 4
TASMINH4 - exc CKD 4 or worse	Maki Research / TASMINH 4
TASMINH4 - exc CKD proteinuria	Maki Research / TASMINH 4

The 'Join type' section shows four Venn diagrams. The second diagram, representing 'Join to more than two reports', is selected. The 'Percentage calculation' section has the following options:

- Use organisation capitulation to calculate this report's percentage
- TASMINH4 - exc AF (Maki Research / TASMINH 4)
- TASMINH4 - exc BP below90 (Maki Research / TASMINH 4)
- TASMINH4 - exc BP less than 140 (Maki Research / TASMINH 4)
- TASMINH4 - exc CKD proteinuria (Maki Research / TASMINH 4)
- TASMINH4 - exc CKD 4 or worse (Maki Research / TASMINH 4)

The background shows the 'All Reports (20420)' tree with 'Maki Research' selected, and a list of reports on the right side of the screen.

13. For medications: Click on Clinical and medication, choose Alpha-blockers and ensure that boxes are ticked as per the screenshot below (report all matching issues, report on repeat issues only)

The screenshot displays the SystmOne GP software interface. The main window is titled "SystmOne GP: Makiko Chermahini (Community Practitioner) at Ridgacre House Surgery - Clinical Reporting". The "Amend Report" dialog box is open, showing the following details:

- Name: TASMINH4 - exc alphablockers
- Category: Maki Research
- Sub category: TASMINH 4

The "Report on medication" section is active, with the following settings:

- Action group: (checked)
- Excluding these specific drugs: Nothing selected
- Drug name: (empty)
- Report on medication options:
 - Report all matching issues
 - Report only the earliest matching issue
 - Report on acute issues only
 - Report on repeat issues only
 - Report on all issues
 - Report on start date

The left-hand navigation pane shows the "Medication" category selected under "Clinical". The status bar at the bottom indicates "18 Reports (1 Selected)".

14. For medications: Click on Clinical and medication, choose Antihypertensive vasodilators and ensure that boxes are ticked as per the screenshot below (report all matching issues, report on repeat issues only)

Amend Report

Name: TASMINH4- exc. antihypertensive vasodilators Add report to favourites

Category: Maki Research

Sub category: TASMINH 4

Report on medication

Action group

Excluding these specific drugs

Drug name

Report all matching issues

Report only the earliest matching issue

Report on acute issues only

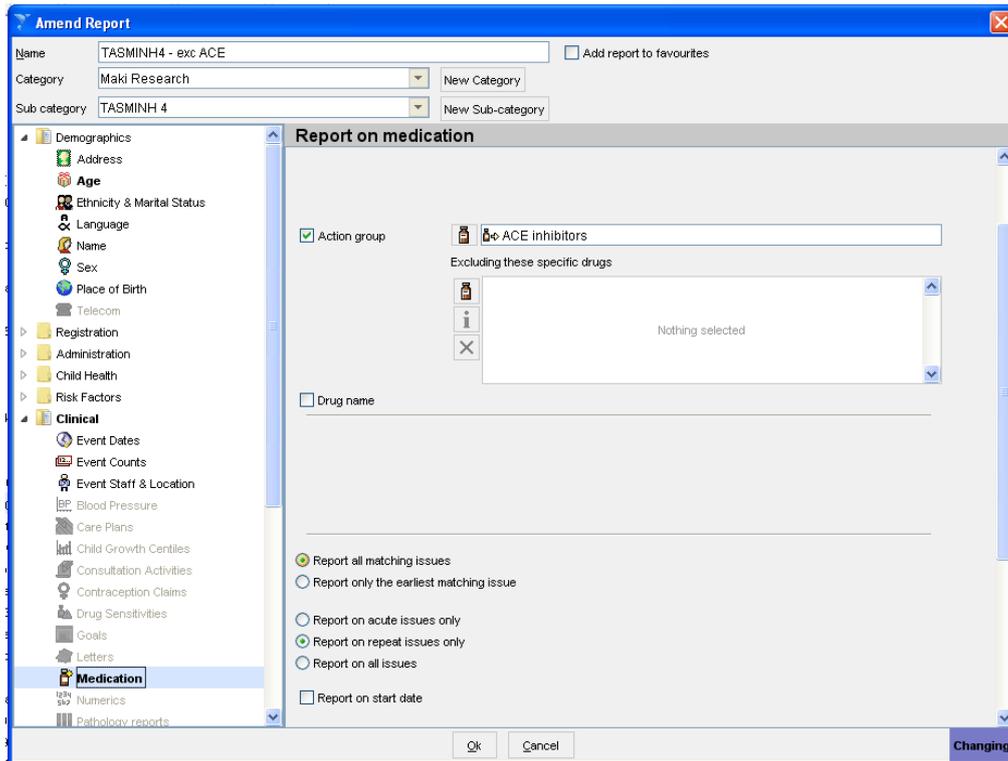
Report on repeat issues only

Report on all issues

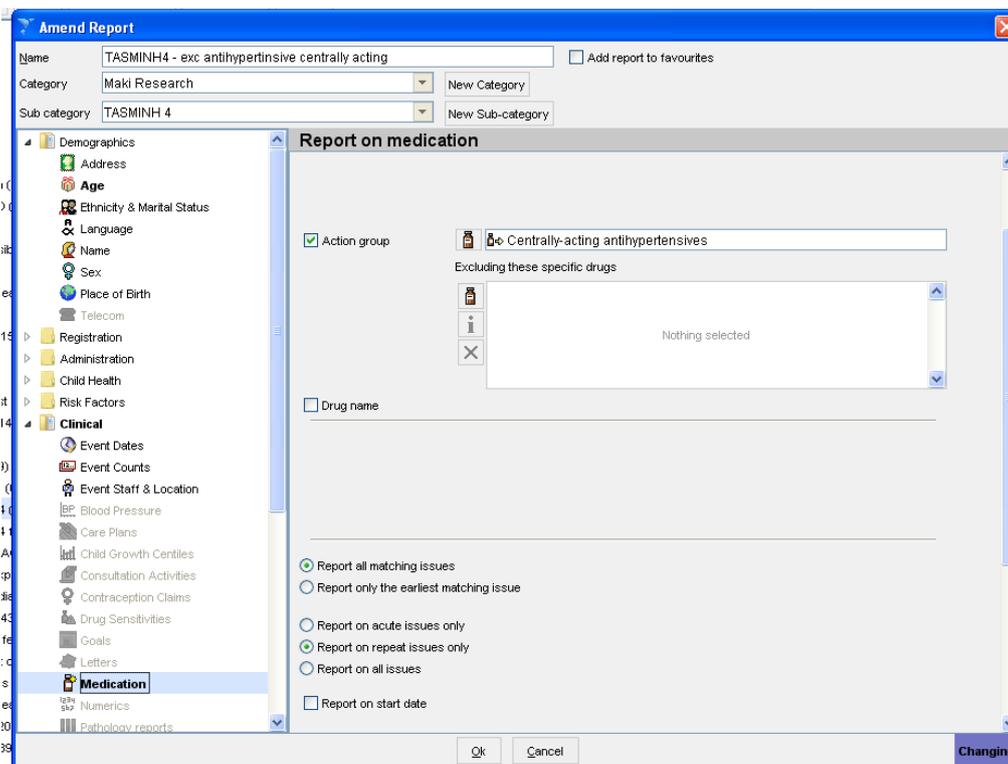
Report on start date

Changing

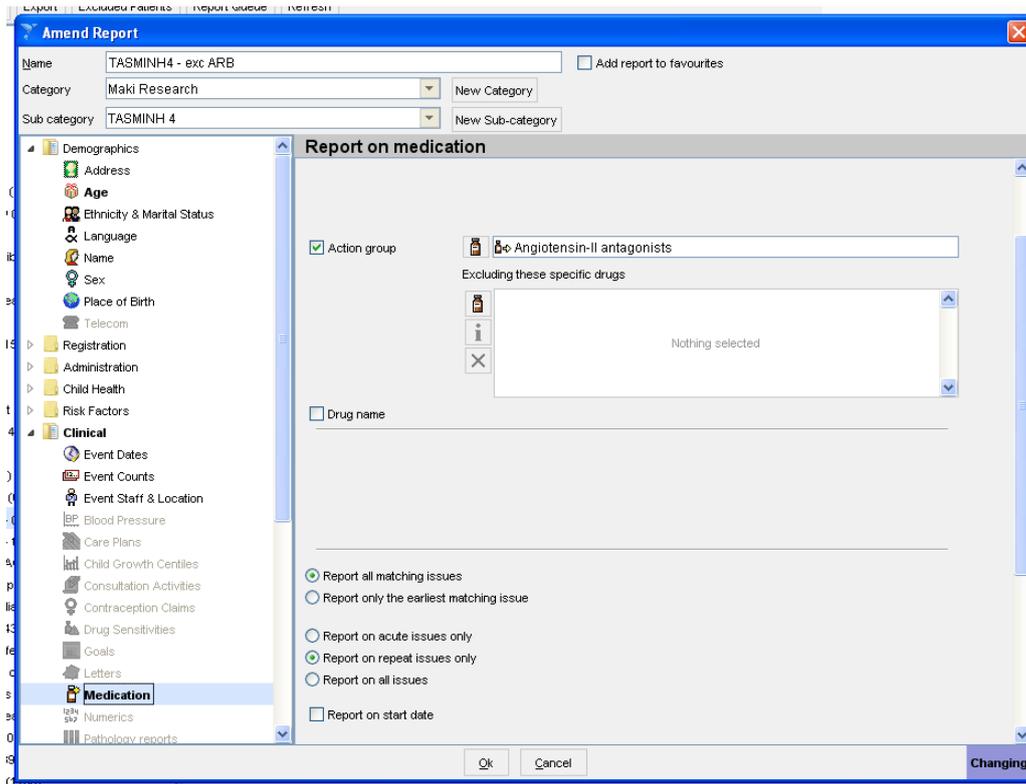
15. For medications: Click on Clinical and medication, choose ACE inhibitors and ensure that boxes are ticked as per diagram below (report all matching issues, report on repeat issues only)



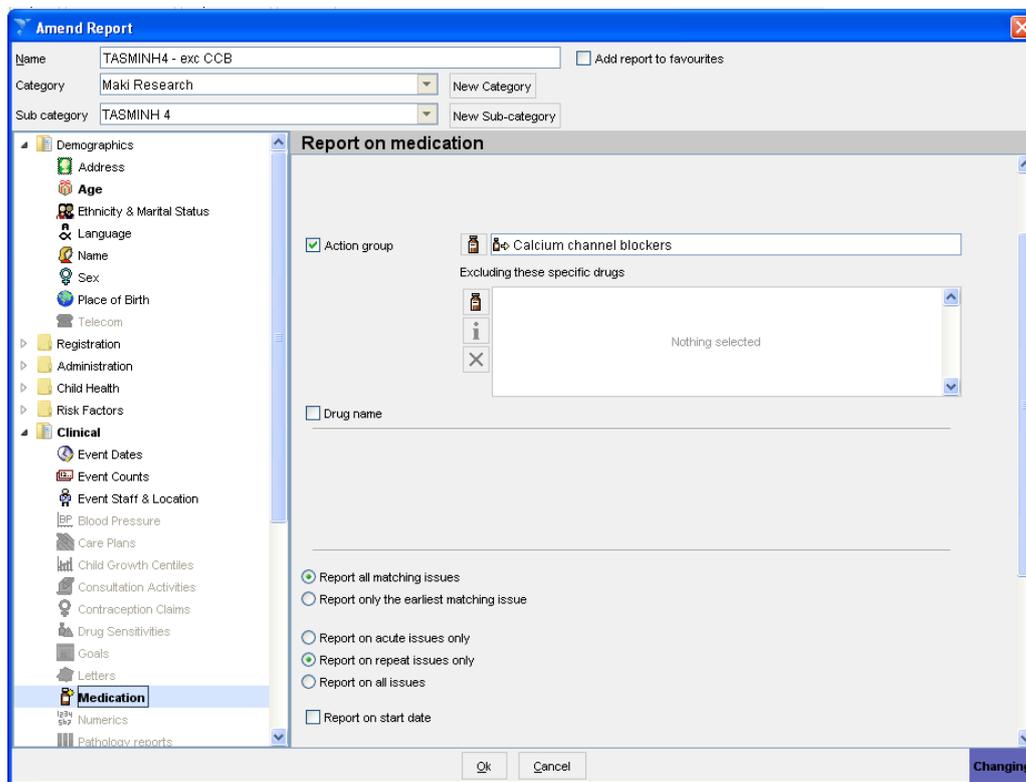
16. For medications: Click on Clinical and medication, choose Centrally-acting antihypertensives and ensure that boxes are ticked as per the screenshot below (report all matching issues, report on repeat issues only)



17. For medications: Click on Clinical and medication, choose Angiotension-II antagonists and ensure that boxes are ticked as per the screenshot below (report all matching issues, report on repeat issues only)



18. For medications: Click on Clinical and medication, choose Calcium channel blockers and ensure that boxes are ticked as per the screenshot below (report all matching issues, report on repeat issues only)



19. For medications: Click on Clinical and medication, choose diuretics and ensure that boxes are ticked as per diagram below (report all matching issues, report on repeat issues only)

Amend Report

Name: TASMINH4 - exc diuretics Add report to favourites

Category: Maki Research

Sub category: TASMINH 4

Report on medication

Action group: Diuretics

Excluding these specific drugs: Nothing selected

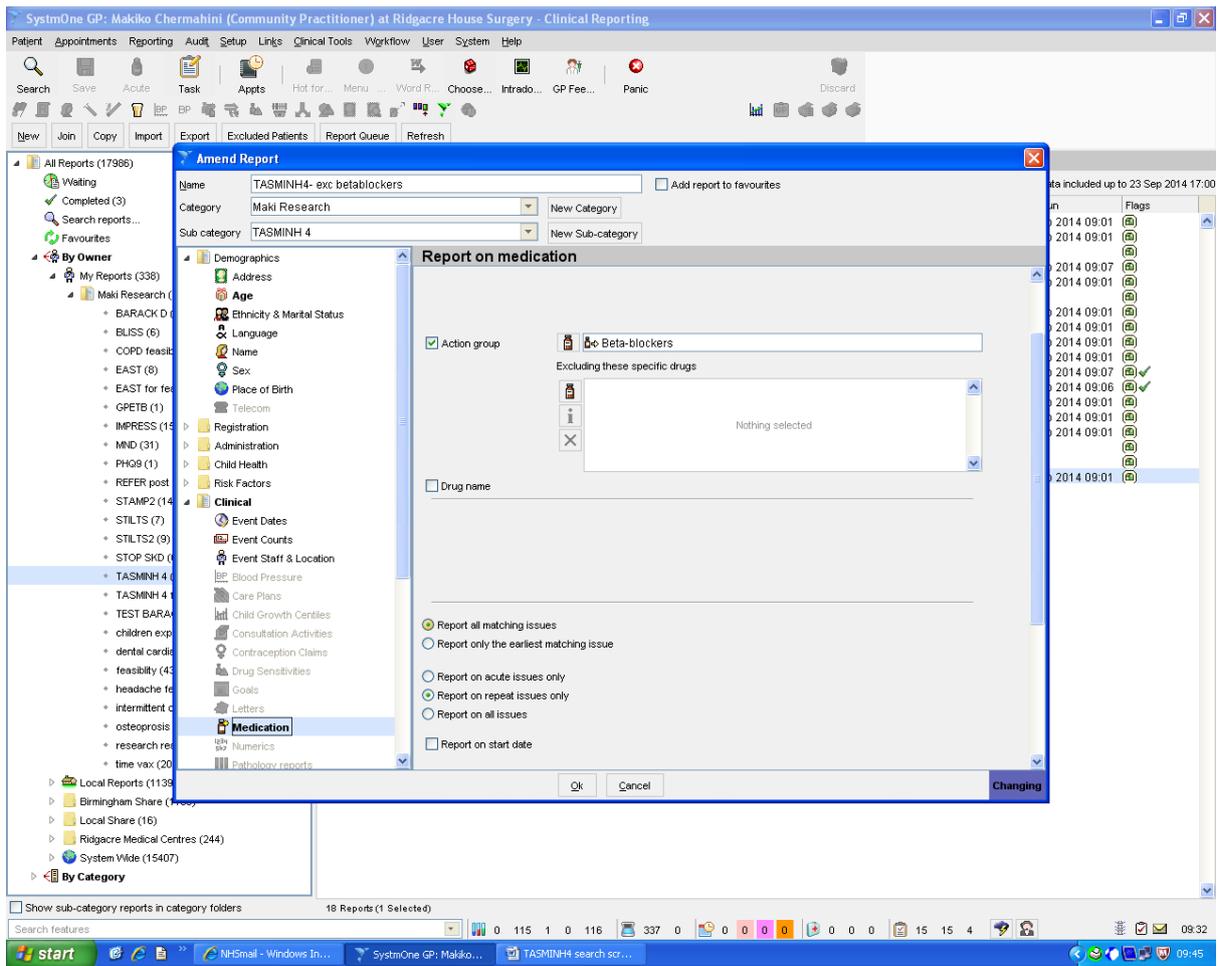
Drug name

Report all matching issues
 Report only the earliest matching issue
 Report on acute issues only
 Report on repeat issues only
 Report on all issues

Report on start date

Ok Cancel Changing

20. For medications: Click on Clinical and medication, choose Beta-blockers and ensure that boxes are ticked as per diagram below (report all matching issues, report on repeat issues only)



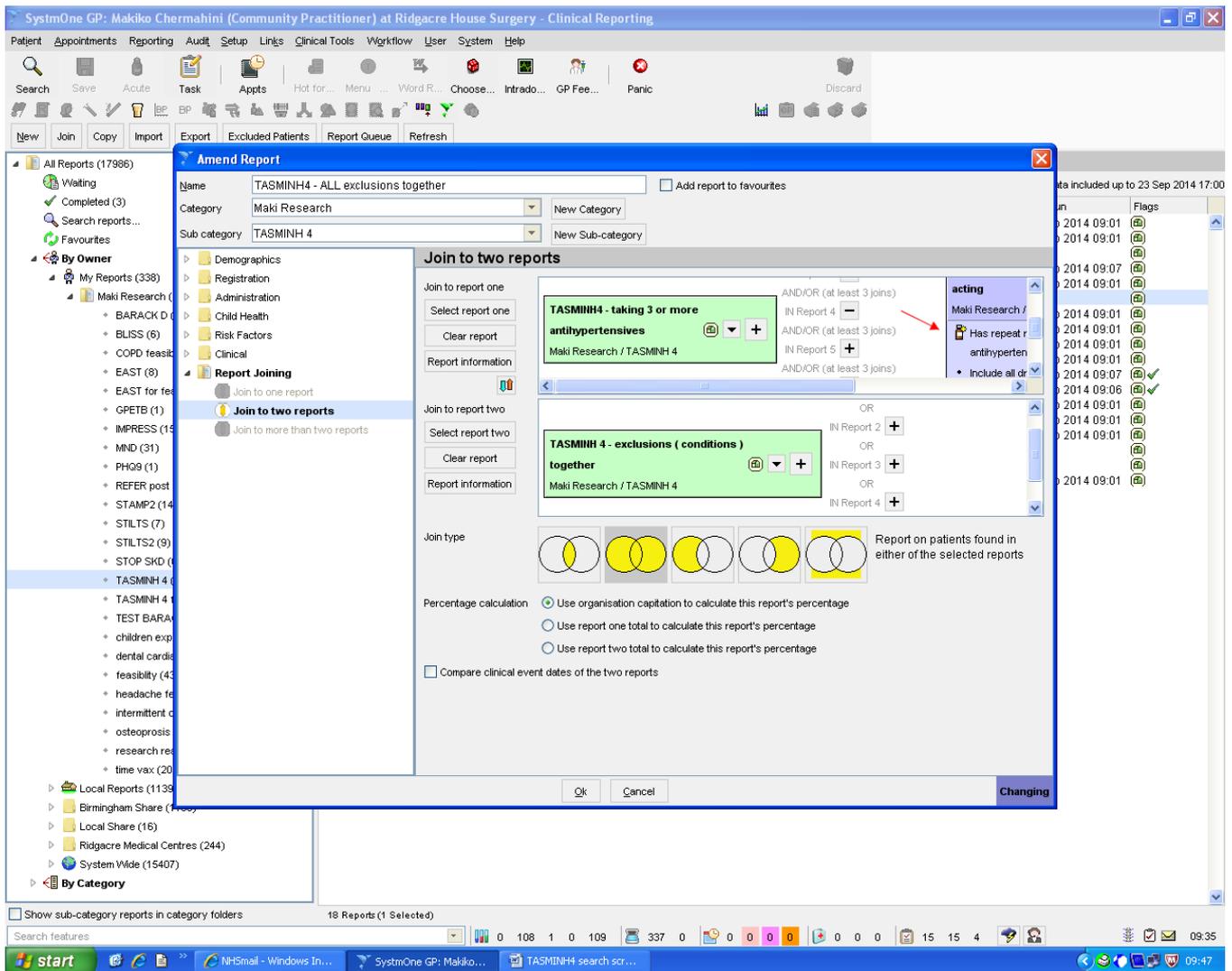
21. On report joining, click on join to more than two reports, on the join type, make sure the diagram is as shown below.

The screenshot shows the 'Amend Report' dialog box in the SystemOne GP software. The main window title is 'SystemOne GP: Makiko Chermahini (Community Practitioner) at Ridgacre House Surgery - Clinical Reporting'. The dialog box is titled 'Amend Report' and contains the following fields and options:

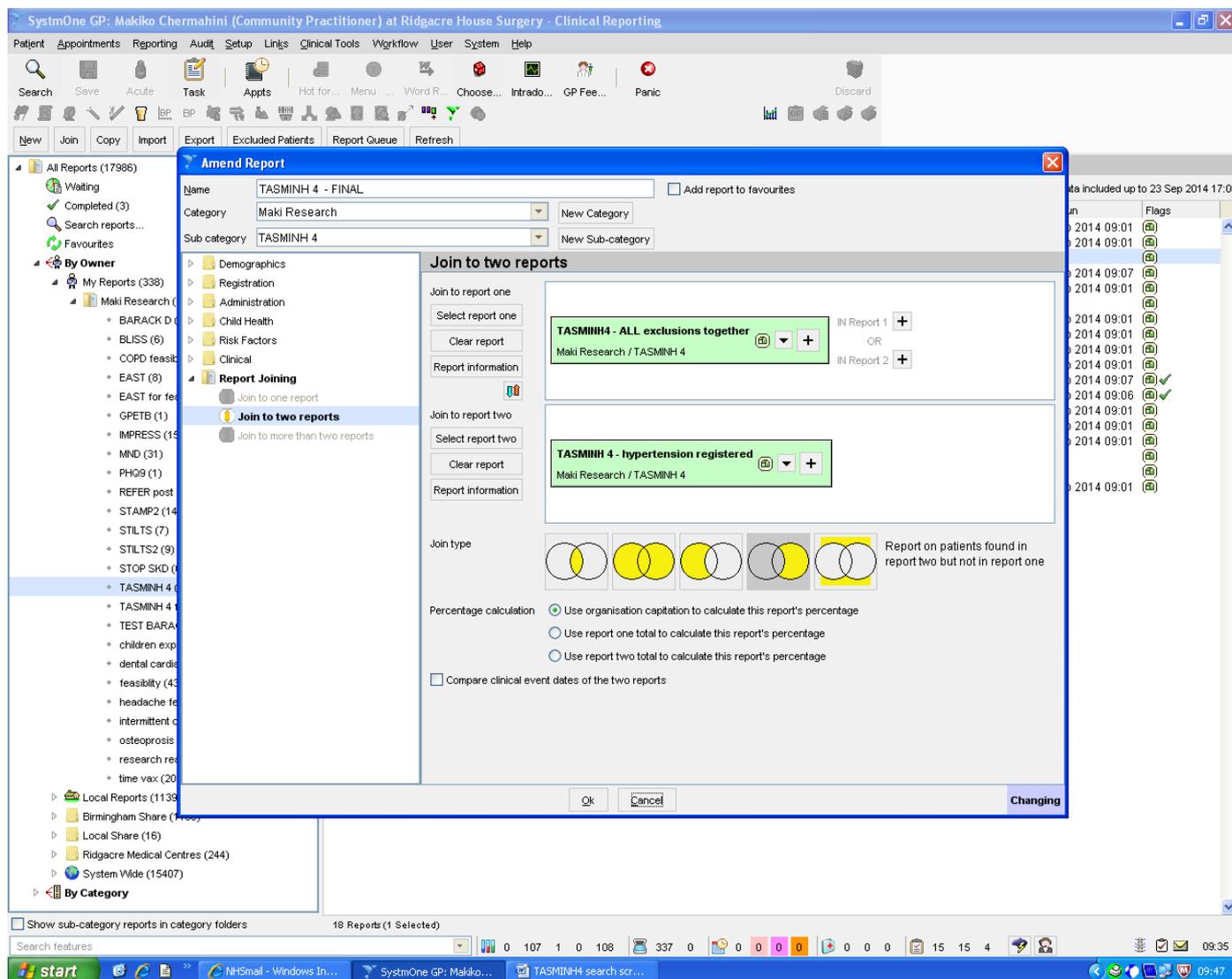
- Name:** TASMINH4 - taking 3 or more antihypertensives
- Category:** Maki Research
- Sub category:** TASMINH 4
- Join to more than two reports:** A list of reports to be joined, including 'TASMINH4 - exc alphablockers', 'TASMINH4 - exc antihypertensive vasodilators', 'TASMINH4 - exc ACE', 'TASMINH4 - exc antihypertensive centrally acting', 'TASMINH4 - exc ARB', 'TASMINH4 - exc CCB', 'TASMINH4 - exc diuretics', and 'TASMINH4 - exc betablockers'.
- Join type:** A Venn diagram with three overlapping circles, representing the 'Report on patients found in any of the joined reports' option.
- Percentage calculation:** Radio buttons for different calculation methods, including 'Use organisation capitulation to calculate this report's percentage' (selected), 'TASMINH4 - exc betablockers (Maki Research / TASMINH 4)', 'TASMINH4 - exc CCB (Maki Research / TASMINH 4)', 'TASMINH4 - exc diuretics (Maki Research / TASMINH 4)', 'TASMINH4 - exc antihypertensive centrally acting (Maki Research / TASMINH 4)', 'TASMINH4 - exc ACE (Maki Research / TASMINH 4)', 'TASMINH4 - exc alphablockers (Maki Research / TASMINH 4)', 'TASMINH4 - exc antihypertensive vasodilators (Maki Research / TASMINH 4)', and 'TASMINH4 - exc ARB (Maki Research / TASMINH 4)'.

The dialog box also includes 'Join reports', 'Select report(s)', and 'Remove report(s)' buttons, and a 'Join information' section. The 'Join type' section includes a dropdown menu and a text box: 'Only report on patients found in at least a specified number of the selected reports'. The 'Percentage calculation' section includes a dropdown menu and a text box: 'Patients must be found in at least 3 of the join reports'. The dialog box has 'Ok', 'Cancel', and 'Changing' buttons.

22. On report joining, click on “join to two reports” and ensure the join type is clicked on “report on patients found in either of the selected reports”, as per diagram below. All exclusions are now together.



23. Finally, on report joining, click on join to two reports and choose report with all exclusions and the original hypertension registered report. Make sure the join type states that the final report will report on patients found in report two (hypertension register) but not in report one (exclusions)



24. Run the search and save it to the appropriate folder.

After running the search:

Record the number on the list on the *Search Report Form – Part 1*.

Pass the list to the TASMINH4 Lead GP to remove anyone known to be terminally ill, housebound or otherwise unsuitable for the study. The GP should record how many in each category are excluded on the *Search Report Form – Part 2*.

Invite the remaining patients. You can use the Excel sheet to run a mail merge or to upload to DocMail (remove the drug columns from the sheet you upload).