



# CVD Dashboard Report: Quality Improvement Activities

## Idea One: Use of Absolute Cardiovascular Risk Score (Screening)

Family members: Mr. Alan Abbott

D.O.B.: 30/06/1945 Age: 75 yrs Birth Sex: Male 6h 13m 7s Finalise visit

Phone: (h) 07 50505050 (m) 0427556232 (w) 07 50509999

Pension No.: 123456789 Comment: On wafarin

Tobacco: Alcohol: Elite sports: Ethnicity: Aboriginal/Torres Strait Islander

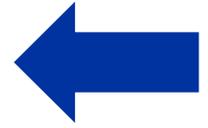
Advance Health Directive:

Notifications:

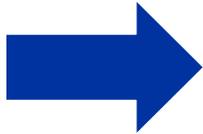
Type	Due	Reason
Preventive health	04/05/2021	Influenza vaccination should be considered!
Preventive health	04/05/2021	Vaccination against pneumococcus should be considered!
Preventive health	04/05/2021	Vaccination against shingles should be considered!
Preventive health	04/05/2021	A smoking history should be recorded!
Preventive health	04/05/2021	A Dementia Risk Assessment should be considered!

Drug name	Strength	Dose	Quantity	Pkts.	Script type	Long term	Last script	Approval No.	Subst.	Reg. 24	First script	Reason for prescription
Flutide 250 CFC-Free 250mcg (h)	250mcg	2 puffs Twice a day	1x120 dose 5	30	PBS	Yes	05/12/2011		No	No	02/03/2004	Asthma
Loxec 20mg Tablet	20mg	1 Daily	30	1	PBS/RPBS A	Yes	23/02/2005		Yes	No	23/02/2005	Asthma
Ventolin CFC-Free 100mcg/dose x 100mcg/dose	100mcg/dose	1-2 puffs Every 4 hours p.r.n.	3x200 dose 5	30	PBS/OTC	Yes	05/12/2011		Yes	No	02/03/2004	Asthma

How to access the Cardiovascular Risk tool in Best Practice



How to access the Cardiovascular Risk tool in Medical Director



MedicalDirector Clinical 4.0a - [Mr David Anderson (66yrs 4mths)]

File Patient Edit Summaries Tools Clinical Correspondence Assessment Resources Sidebar MyHealthRecord Messenger Window Help

Mr David ANDERSON (66yrs Asthma) DOB: 04/01/1955 Gender: Male

61 Wallace Street, Bundaberg Qld 4670 Ph:

Allergies & Adverse Reactions: SULFONYLUREAS (ENDOCRINE)

Warnings:

Summary Current Rx Progress Past history Rx

#	Drug name	Strength	Dose
1	VENTOLIN CFC-FREE INHALER	100mcg/dose	

Script date: 04/05/2021

Website Feedback Help

Dr A Practitioner (MedicalDirector Samples Database) MD Semole Data - IPI IN-T501U ICN5QL07 Tuesday, 4 May 2021 3:47:06 PM 4/05/2021

### CAT4 RECIPES

You can create identified lists with patients who are at risk of cardiovascular disease. The step-to-step guide can be found on the PenCS website under [QIM 8- Cardiovascular Risk](#).

### CLINICAL GUIDELINES

The Heart Foundation provide the clinical guidelines endorsed by the RACGP for Absolute CVD Risk. They are known as the [Absolute CVD Risk Clinical Guidelines](#).

### RISK CALCULATION

The algorithm used for calculating the risk of a cardiovascular event is the Framingham Risk Equation. This is further explain on the PenCS website under [CV Event Risk CAT Calculated](#).



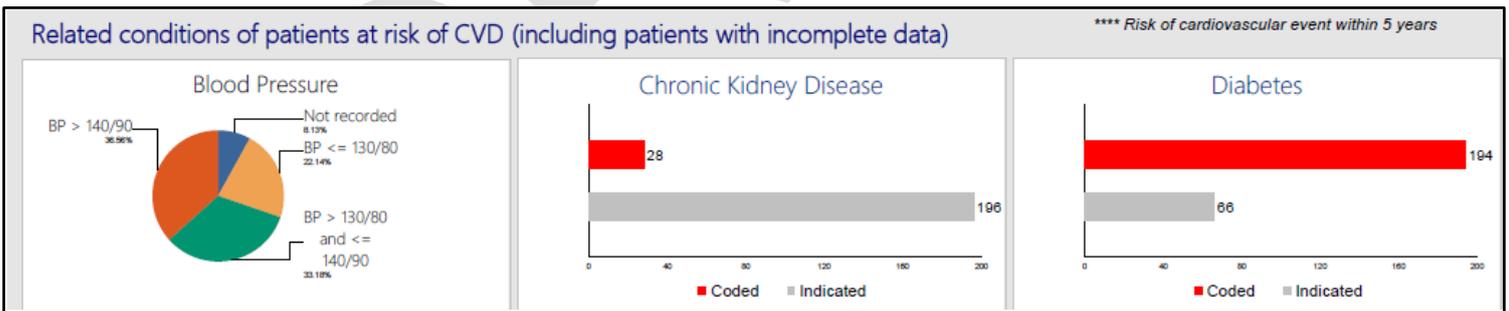
Idea Two: Indicated Diagnoses (Cleansing)

Best Practice, Samples Database; Extract Date 01/10/2019 3:11 AM; Filtering By: Active Patient

Indicated CKD with no diagnosis | Indicated Diabetes with no diagnosis | Indicated Mental Health with no diagnosis | Indicated COPD with no diagnosis | Indicated Osteoporosis with no diagnosis | Medication Review

Surname	Firstname	DOB	Indication Date	Sex	eGFR	ACR	CKD	BSL	FBG	Smoking	Diabetes (Dx or HbA1c>=6.5, BSL>11.1 or FBG>7)	Hypertension (Dx or BP>140/90)	Obesity (BMI>30)	CVD Dx	Indigenous and Age>30	Assigned Provider	Confirm Condition Does Not Exist
Surname	Firstname_1073	01/10/1947	03/05/2019	F	56.3		Stage 3a	7.3		Ex smoker		Y				Surname_13	<input type="checkbox"/>
Surname	Firstname_1113	01/10/1945	02/08/2019	M	56.0	1.7	Stage 3a	4.8	6.1	Ex smoker		Y				Surname_16	<input type="checkbox"/>
Surname	Firstname_1117	01/10/1963	29/03/2019	F	34.0		Stage 3b	4.8		Ex smoker		Y	Y			Surname_13	<input type="checkbox"/>
Surname	Firstname_112	01/10/1946	02/07/2019	F	52.0		Stage 3a	7.1	6.5	Never smoked	Y					Surname_15	<input type="checkbox"/>
Surname	Firstname_1124	01/10/1943	02/09/2019	M	6.0	7.9	Stage 5	4.7	6.8	Never smoked	Y	Y		Y		Surname_9	<input type="checkbox"/>
Surname	Firstname_1162	01/10/1934	05/04/2019	F	41.0	1.9	Stage 3b	4.7		Never smoked		Y		Y		Surname_13	<input type="checkbox"/>
Surname	Firstname_1170	01/10/1959	08/06/2019	M	58.0		Stage 3a		5.0	Never smoked						Surname_23	<input type="checkbox"/>

The above diagram is a capture on how to access an identified list of patients with an indicated diagnosis which is pictured in the pie graphs on the CVD Dashboard Report. These chronic diseases can increase the risk of Cardiovascular Disease.



**PEN CAT RECIPES**  
You can find further information on how to access the indicated diagnoses recipes on the PenCS website under [Cleansing View](#).

**DATA CLEANSING**  
There is further information on data cleansing which contributes to indicated diagnoses through the PenCS website under [Data Cleansing](#).

**TOPBAR**  
The indicated diagnoses tool can also be utilised through Topbar. Further information on how to access this is found on the PenCS website under [Indications Tab](#).



### Idea Three: Modifiable Risk Factors (Clinical Coding)

The screenshot shows the Best Practice software interface for patient Mr. Alan Abbott. The top menu includes File, Open, Request, Clinical, View, Utilities, and Help. The patient's demographic information is displayed, including D.O.B., Age, Birth Sex, and Ethnicity. A list of notifications is shown with columns for Type, Due date, and Reason. The main area displays a list of prescriptions with columns for Drug name, Strength, Dose, Quantity, Rpts., Script type, Long term, Last script, Approval No., Subst., Reg. 24, First script, and Reason for prescription.

Type	Due	Reason
Preventive health	05/05/2021	Influenza vaccination should be considered!
Preventive health	05/05/2021	Vaccination against pneumococcus should be considered!
Preventive health	05/05/2021	Vaccination against shingles should be considered!
Preventive health	05/05/2021	A smoking history should be recorded!
Preventive health	05/05/2021	A Dementia Risk Assessment should be considered!

Drug name	Strength	Dose	Quantity	Rpts.	Script type	Long term	Last script	Approval No.	Subst.	Reg. 24	First script	Reason for prescription
Flixotide 250 CFC-Free 250mcg In	250mcg	2 puffs Twice a day	1x120 dose	5	PBS	Yes	05/12/2011		No	No	02/03/2004	Asthma
Losac 20mg Tablet	20mg	1 Daily	30	1	PBS/RPBS A	Yes	23/02/2006		Yes	No	23/02/2006	
Ventolin CFC-Free 100mcg/dose	100mcg/dose	1-2 puffs Every 4 hours p.r.n.	2x200 dose	5	PBS/OTC	Yes	05/12/2011		Yes	No	02/03/2004	Asthma

How to enter smoking and alcohol status into Best Practice.

The screenshot shows the Best Practice software interface with two dialog boxes open for entering patient information. The 'Current Alcohol Intake' dialog box includes fields for Days per week, Standard drinks per day, and Past Alcohol Intake (Nil, Occasional, Moderate, Heavy). The 'Current Smoking History' dialog box includes radio buttons for Current Smoking Status (Non smoker, Ex smoker, Smoker), Past Smoking History (Quantity/day, Year started, Year stopped), and Patient would like cessation advice/support (Brief advice to stop smoking given, Prescribed cessation medication, Provided cessation behavioural support, Referred to cessation support). Both dialog boxes have Save and Cancel buttons.



File Open Request Clinical View Utilities Help

Family members: Mr. Alan Abbott

Name: Alan Abbott D.O.B.: 30/06/1945 Age: 75 yrs Birth Sex: Male Height: 7m 7s Weight: 75kg

Address: 12 John St Woodlane 4035 Phone: (h) 07 50505050 (m) 0427556232 (w) 07 50509999

Medicare No: 4133180467 - 1 12/13 Record No.: 101 Pension No.: 123456789 Comment: On warfarin

Occupation: Retired Tobacco: Alcohol: Elite sports: Ethnicity: Aboriginal/Torres Strait Islander

Notifications:

Type	Due	Reason
Preventive health	05/05/2021	Influenza vaccination should be considered!
Preventive health	05/05/2021	Vaccination against
Preventive health	05/05/2021	Vaccination against
Preventive health	05/05/2021	A smoking history
Preventive health	05/05/2021	A Dementia Risk

Physical activity prescription dialog box:

Current physical activity level: [Dropdown]

Recommended activity: [Dropdown]

Length of activity: [Dropdown]

Frequency of activity: [Dropdown]

Other information: [Text Area]

Review date: [Date Picker] [Add reminder] [Print] [Close]

How to enter physical activity into Best Practice.

How to enter in BMI (Height and Weight), Waist, and Blood pressure into Best Practice.

File Open Request Clinical View Utilities Help

Family members: Mr. Alan Abbott

Name: Alan Abbott D.O.B.: 30/06/1945 Age: 75 yrs Birth Sex: Male Height: 8m 27s Weight: 75kg

Address: 12 John St Woodlane 4035 Phone: (h) 07 50505050 (m) 0427556232 (w) 07 50509999

Medicare No: 4133180467 - 1 12/13 Record No.: 101 Pension No.: 123456789 Comment: On warfarin

Occupation: Retired Tobacco: Alcohol: Elite sports: Ethnicity: Aboriginal/Torres Strait Islander

Allergies / Adverse Drug Reactions:

Item	Reaction	Severity
House dust mite	Bronchospasm	Severe
Trifle	Nausea	Severe
Aluminium Hydroxide		

Observations dialog box:

Date: 5/05/2021

Temp: [Input]

Pulse: [Input]

BP Sitting: [Input] / [Input]

BP Standing: [Input] / [Input]

BP Lying: [Input] / [Input]

Resp. rate: [Input] O2 Sat.: [Input]

Weight: [Input] Height: [Input]

Waist: [Input] Hips: [Input]

Chest (Insp.): [Input] Chest (Exp.): [Input]

BSL: [Input]

[Save] [Close]



Mr David ANDERSON (69yrs 4mths) | DOB: 04/01/1955

61 Wallace Street, Bundaberg, Qld 4670

Allergies & Adverse Reactions: SULFONYLUREAS (ENDOCRINE)

Warnings:

Summary | Rx | Current Rx | Progress

# Drug name Strength

VENTOLIN CFC-FREE INHALER 100mcg/dose

Script date: 05/05/2021 | Not taking any medications | Red - Overdue | Blue - Almost due

Website | Feedback | Help | Medical Certificate | Letter Template #2 | Letter Template #3 | Custom #1 | Custom #2

How to enter Alcohol status into Medical Director.

How to enter in BMI (Height and Weight), Waist, and Blood pressure into Medical Director.

Mr David ANDERSON (69yrs 4mths) | DOB: 04/01/1955 | Gender: Male

61 Wallace Street, Bundaberg, Qld 4670 | Ph:

Allergies & Adverse Reactions: SULFONYLUREAS (ENDOCRINE)

Warnings:

Summary | Rx | Current Rx | Progress | Past history

# Drug name Strength

VENTOLIN CFC-FREE INHALER 100mcg/dose

Script date: 05/05/2021 | Not taking any medications

Website | Feedback | Help | Letter Template #3 | Custom #1 | Custom #2

Tool Box | Weight Calculator

Date: 5/05/2021 | Time: 6:11:17 PM | Gender: Male | Age: 66 | Height: 175 | Patient ID: 20

Blood Glucose | Blood Pressure | CV Risk | ECG | INR | Renal Function | Respiratory | Weight

Current Measurements

Height: 175 (cm)

Weight: (kg)

BMI:

Waist: (cm)

Hip: (cm)

Waist/Hip Ratio:

Weight must be greater than 10Kg for BMI calculation.

View: All

Date	Time	Type	Value
24/02/2011	10:51:00	Height	175
24/02/2011	10:51:00	Weight	77.9
24/02/2011	10:51:00	BMI	25.4
24/02/2011	10:51:00	Waist	91
22/10/2011	13:35:00	Height	175
22/10/2011	13:35:00	Weight	77.2
22/10/2011	13:35:00	BMI	25.2
22/10/2011	13:35:00	Waist	91
13/02/2012	14:20:45	Height	175
13/02/2012	14:20:45	Weight	77
13/02/2012	14:20:45	BMI	25.1
13/02/2012	14:20:45	Waist	91
12/07/2012	09:09:00	Height	175
12/07/2012	09:09:00	Weight	78
12/07/2012	09:09:00	BMI	25.5
12/07/2012	09:09:00	Waist	91
18/02/2013	14:18:24	Height	175
18/02/2013	14:18:24	Weight	78
18/02/2013	14:18:24	BMI	25.5
18/02/2013	14:18:24	Waist	91
08/04/2021	16:28:03	Height	175
08/04/2021	16:28:03	Weight	78
08/04/2021	16:28:03	Waist	91

Clear | Print | Reference | Edit | View | Save | Close



Mr David ANDERSON (66yrs 4mths) | DOB: 04/01/1955 | Gender: Male | Occupation: Retired | 0m 35s

61 Wallace Street, Bundaberg, Qld 4670 | Ph: | Record No: | ATSI: Neither Aboriginal nor Torres Strait Islander

Allergies & Adverse Reactions: SULFONYLUREAS (ENDOCRINE)

Warnings:

Summary | Current Rx | Progress | Past history | Results | Letters

#	Drug name	Strength	Dose	Freq
1	VENTOLIN CFC-FREE INHALER	100mcg/dose		

### Physical Activity

Activity Assessments:

Date	Score	Assessment
01/02/2011	5	Active
18/02/2013	5	Active

Activity Prescriptions:

Date	Rec. Activity	Duration	Frequency	Review Date
01/02/2011	01/02/2011	10 - 15 minutes	1-2 times per week	/ /

Print Script

Script date: 05/05/2021 | Not taking any medications | Red - Overdue | Blue - Almost due

How to enter in physical activity into  
Medical Director.

How to enter Smoking status into  
Medical Director.

Mr David ANDERSON (66yrs 4mths) | DOB: 04/01/1955

61 Wallace Street, Bundaberg, Qld 4670 | Ph: | Record No: | ATSI: Neither Aboriginal nor Torres Strait Islander

Allergies & Adverse Reactions: SULFONYLUREAS (ENDOCRINE)

Warnings:

Summary | Current Rx | Progress | Past history | Results | Letters

#	Drug name	Strength	Dose	Freq
1	VENTOLIN CFC-FREE INHALER	100mcg/dose		

### Patient Details

Pt. Details | Allergies/Adverse Reactions/Warnings | Family/Social Hx | Notes | **Smoking** | Alcohol | Personal Details

Date of assessment: 18/02/2013

Smoker: Smoker

Frequency: Daily

Number of cigarettes: 5

Year commenced: 1980 | Duration: 41yrs

Stage of change assessment: [dropdown]

Last quit attempt: 05/05/2021 |  Never/Unknown

Duration of longest period of abstinence: [dropdown]

Smoking cessation intervention discussed with patient

Comments:

View Patient Education Leaflet | Reference | New Assessment

Currently displaying data from assessment performed on 18/02/2013. Click 'New Assessment' to conduct a new assessment.

Update address for all family members  
 Auto-capitalise names

Save | Cancel



Idea Four: Reducing CVD Risk- Looking at treatment efficacy.

Best Practice, Samples Database, Extract Date: 01/10/2019 3:11 AM, Filtering By: Active Patient

Demographics | Ethnicity | Data Quality | Data Cleansing | Allergies | Smoking | Alcohol | Measures | Pathology | Disease | Screening | Co-morbidities | Medications | Diabetes SIP Items | CKD | Musculoskeletal | CV Event Risk | CHA2DS2-VASc Score | Immunisations | Standard Reports | MBS Items | MB <

Missing Demographics | Missing Clinical/Accreditation Items | Indicated CKD with no diagnosis | Indicated Diabetes with no diagnosis | Indicated Mental Health with no diagnosis | Indicated COPD with no diagnosis | Indicated Osteoporosis with no diagnosis | Medication Review

Indicated Reviewed

**Patient List page 1 of 13 [count = 245]**

Double-click a patient to open it in your clinical system (MD BP Zedmed).  
Click on Column Heading to sort

Page No. 1 Go Prev Page Next Page

Clinical Action Plan 1-3mths 3-6mths 12mths Note: CKD Stage is calculated using the most recent eGFR and ACR.

Surname	Firstname	DOB	Indication Date	Sex	eGFR	ACR	CKD	BSL	FBG	Smoking	Diabetes (Dx or HbA1c >=6.5, BSL >11.1 or FBG >7)	Hypertension (Dx or BP >140/90)	Obesity (BMI >30)	CVD Dx	Indigenous and Age >30	Assigned Provider	Confirm Condition Does Not Exist
Surname	Firstname_1073	01/10/1947	03/05/2019	F	56.3		Stage 3a	7.3		Ex smoker		Y				Surname_13	<input type="checkbox"/>
Surname	Firstname_1110	01/10/1945	02/08/2019	M	56.3	1.7	Stage 3a	4.8	6.1	Ex smoker		Y				Surname_16	<input type="checkbox"/>
Surname	Firstname_1117	01/10/1963	29/03/2019	F	34.0		Stage 3b	4.8		Ex smoker		Y	Y			Surname_13	<input type="checkbox"/>
Surname	Firstname_112	01/10/1946	02/07/2019	F	52.0		Stage 3a	7.1	6.5	Never smoked	Y					Surname_15	<input type="checkbox"/>
Surname	Firstname_1124	01/10/1943	02/09/2019	M	6.0	7.9	Stage 5	4.7	6.8	Never smoked	Y	Y		Y		Surname_9	<input type="checkbox"/>
Surname	Firstname_1162	01/10/1934	05/04/2019	F	41.0	1.9	Stage 3b	4.7		Never smoked		Y	Y			Surname_13	<input type="checkbox"/>
Surname	Firstname_1170	01/10/1959	08/06/2019	M	58.0		Stage 3a		5.0	Never smoked						Surname_23	<input type="checkbox"/>



Select your active patients to filter by

You can filter by certain medications for certain conditions i.e., medications taken to control blood pressure.



Pen CS CAT4 - CAT4

File Edit View Tools Data Submission Prompts Help

General | Ethnicity | Conditions | Medications | Date Range (Results) | Date Range (Visits) | Patient Name | Patient Status | Providers | Risk Factors | MBS Attendance | Saved Filters

**Risk Factors**

**Substance Abuse**

Smoking

Alcohol - Drinker

Alcohol - Drinker High Risk \*

Medication/Drug abuse \*\*

\* 2 or more drinks on a regular occasion or more than 4 drinks on any occasion \*\* Diagnosis

**Requires Immunisation**

Has Conditions increasing risk of

Pneumococcal

**Other Risk Categories**

Pregnancy

Obesity

Transplant

Best Practice, Samples Database, Extract Date: 01/10/2019 3:11 AM, Filtering By: Active Patient, Risks (Smoking, Drinker, Obesity), Selected: Medications (ACE Inhibitors, Calcium Antagonists)

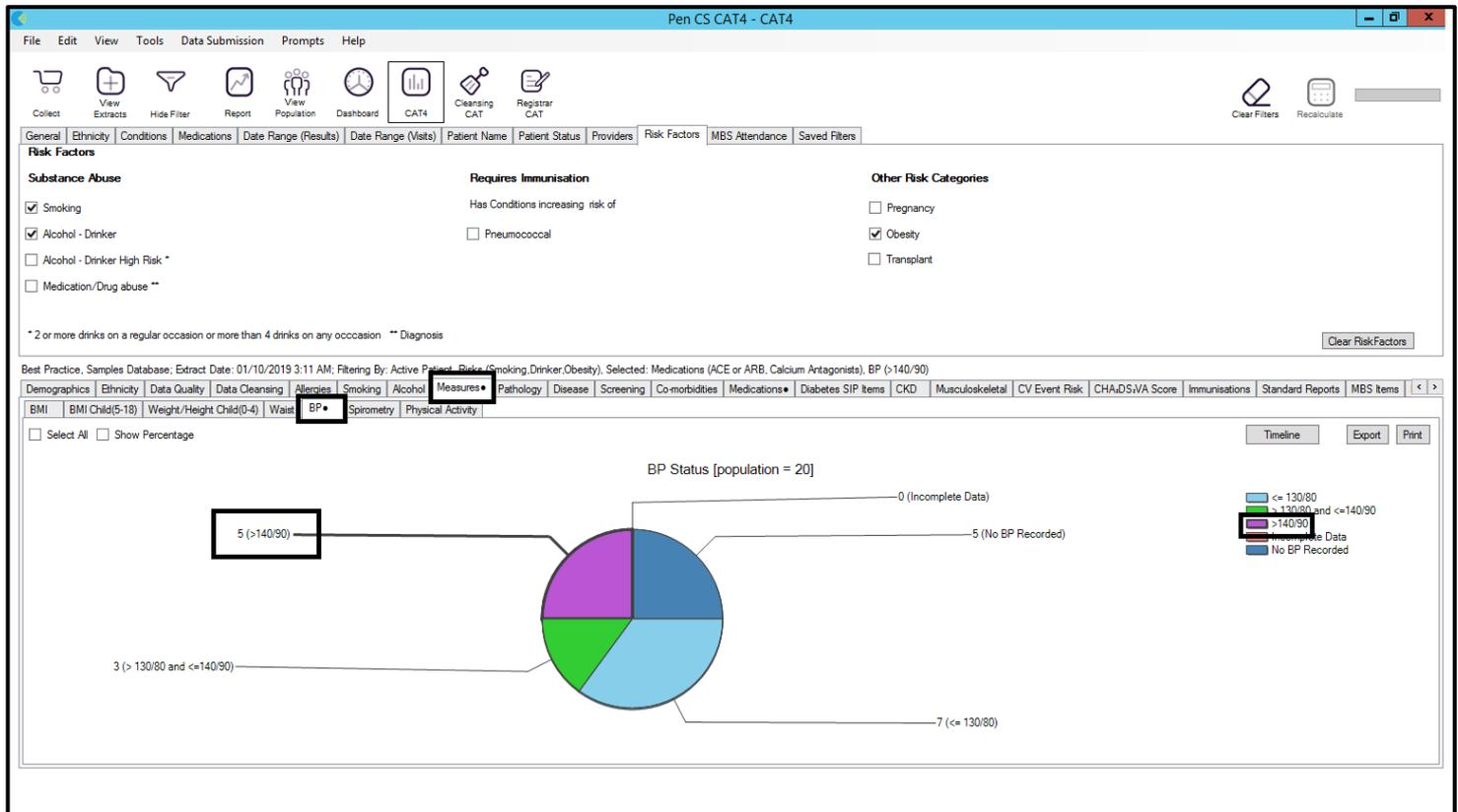
Demographics | Ethnicity | Data Quality | Data Cleansing | Allergies | Smoking | Alcohol | Measures | Pathology | Disease | Screening | Co-morbidities | Medications | Diabetes SIP Items | CKD | Musculoskeletal | CV Event Risk | CHA2DS2-VASc Score | Immunisations | Standard Reports | MBS Items | M <

Count | Prevalence | Medications Per Patient | Medications Not Printed in Last 6mths

Select All

Count of Patients by Medication [population = 20]

Medication	Number of Patients
ACE or AIB	4
Beta Blockers	0
Calcium Antagonists	2
Diuretics	2
Aspirin	1
Captopril	0
Dabigatran	0
Warfarin	0
Lipid Modifying	4
Antidiabetics	3
Antihypertensives	2
Antihypertensives-atrial	7
Mood Stabilisers	0
Anti-anxiety	2
Stimulants	2
Glucocorticoids	4
Pain Relief	6
Musculoskeletal	2
Respiratory	7
Mineralocorticoids	0
None of these	5



You can filter by certain measures such as BP targets. You can individually select or select multiple sections of the graph depending on your targets.

Once you have your filters, if you click report it will give you a list of patients that show in multiple lists i.e., a patient who is taking a certain medication AND has a BP of over 140/90.

ID	Surname	First Name	Known As	Sex	D.O.B (Age)	Address	City	Postcode	Phone (H/W)	Phone (M)	Medicare	Medications	BP
7473	Surname	Firstname_40	Firstname_40	F	01/10/1947 (72)	12 John St	Suburb Town	3916	H:07 50505050 W:07 50509999	1234999999	123412341234	ACE or ARB	160 / 70
5530	Surname	Firstname_129	Firstname_129	M	01/10/1973 (46)	12 Jogger St	Suburb Town	4720	H:07 50505050 W:07 50509999	1234999999	123412341234	ACE or ARB	141 / 80
3740	Surname	Firstname_192	Firstname_192	F	01/10/1928 (91)	12 John St	Suburb Town	5443	H:07 50505050 W:07 50509999	1234999999	123412341234	ACE or ARB, Beta Blockers	170 / 90
4225	Surname	Firstname_200	Firstname_200	M	01/10/1923 (96)	12 Jogger St	Suburb Town	3115	H:07 50505050 W:07 50509999	1234999999	123412341234	Calcium Antagonists	184 / 65
6277	Surname	Firstname_201	Firstname_201	F	01/10/1965 (54)	12 John St	Suburb Town	5589	H:07 50505050 W:07 50509999	1234999999	123412341234	ACE or ARB, Beta Blockers	145 / 85
1057	Surname	Firstname_208	Firstname_208	F	01/10/1947 (72)	12 John St	Suburb Town	2545	H:07 50505050 W:07 50509999	1234999999	123412341234	ACE or ARB	147 / 81
1541	Surname	Firstname_219	Firstname_219	M	01/10/1945 (74)	12 Jogger St	Suburb Town	5224	H:07 50505050	1234999999	123412341234	ACE or ARB, Calcium	144 / 70