## Identify patients at risk for Influenza based on age, ethnicity or pregnancy

Recipe Name:	Identify patients at risk for Influenza - A: For patients with risk from age, ethnicity or pregnancy
Rationa le:	The Australian Immunisation Handbook advises that "the administration of influenza vaccine to individuals at risk of complications of infection is the single most important measure in preventing or attenuating influenza infection and preventing mortality." It is recommended the vaccine be given annually.
Target:	To effectively target patients at risk we are showing three different recipes. At risk groups include: <ol> <li>Patients &gt;= 65 years of age</li> <li>Indigenous patients &gt;= 6 months of age</li> <li>Pregnant women</li> </ol> <li>From https://immunisationhandbook.health.gov.au/vaccine-preventable-diseases/influenza-flu</li>
CAT Starting Point:	<ol> <li>CAT Open - CAT4 view (all reports) loaded</li> <li>Population Extract Loaded and Extract Pane "Hidden"         <ul> <li>Filter Pane open and under the 'General' tab 'Active Patients' (3x &lt;2 years) selected (this step can be omitted if you want to search for all patients).</li> </ul> </li> </ol>

General Ethnicity	Conditions Medications Date Range (Results)	Date Range (Visits) Patient Nam	ne Patient Status Providers	Risk Factors MBS Attendance Sav	ed Filters
Gender	DVA	Age	Last O First Visit	Activity	Postcode   Include   Exclude
Male	DVA < Any Color > ~	Start Age	Any     None	Active (3x in 2yrs)	
Female	non DVA	End Age	○ < 6 ○ < 15 mths	Not Active	City/Suburb   Include   Exclude
Other	Health Cover	Yrs  Mths	○ < 24 ○ < 30 mths	Visits in last 6 mths	
Not Stated	Medicare No. No		O Date Range	>= 0 ~	(lists: comma separated, * wildcard)
		No Age	01/01/2021 v to 01/01/202	Has Not Visited in last	
			0,0,2021 0 0,0,202	0 v mths	
					Clear General
Best Practice, Live Dat	abase; Extract Date: 01/01/2021 3:12 AM				
Demographics Eth	nicity Data Quality Data Cleansing Allergies	Smoking Alcohol Measures P	Pathology Disease Screenin	g Comorbidities Medications Dial	betes SIP Items CKD Musculoskeletal 🔹 🕨
Population Pyramid	Age Profile (RACGP)				
Select All Sh	ow Total Counts			Export	Age bracket 5 🔶 Print
	Dem	ographic Breakdow	n by Age [Populat	ion - 121/31	
	Dell	analaa 7101 Malaa 50	17 Other O Net Dee	1011 - 12140]	
	F	emales = 7101, $iviales = 50$	117, Other = 0, Not Rec	oraea = 25	
		- 95 - 99	_		Female
		- 90 - 94 - 85 - 89 -			Male
		80 - 84			
		- 70 - 74			-
		65 - 69			
ars)		- 55 - 59			
Š		- 50 - 54			
Age		45 - 49			-
-		- 35 - 39 -			
		- 30 - 34 -			
		- 25 - 29 -			
		20 - 24			-
		- 10 - 14 -			
		5 – 9			
		0 - 4			
600	500 400 300 200	100 0 0	D 50 100	150 200 250	300 350 400
	Number of Patients			Number of Patients	

**RECIPE Steps Filters** 

Target group 1: Patients 65 and older

In the 'Filters' Pane

• In the "General" tab type 65 in the "Start Age' field"

General Ethnicity Conditions	s Medications Date Range (Results) Date Rang DVA	ge (Visits) Patient Name Patient Stat <b>Age</b>	us Providers I	Risk Factors MBS Attenda	nce Saved Filters Activity	Postcode   Include  Exclude
Male Female	DVA < Any Color > ~ non DVA	Start Age 65 End Age	Any < 6 mths	None < 15 mths	Active (3x in 2yrs)	City/Suburb   Include   Exclude
Other Not Stated	Health Cover	Yrs     Mths	🔿 < 24 🔿 Date Range	O < 30 mths	Visits in last 6 mths >= 0 v	(lists: comma separated, * wildcard)
		No Age	01/01/2021 ∨	to 01/01/2021 V	Has Not Visited in last	Clear General

Click "Recalculate"



• Click "Hide Filters"

## In the Reports pane:

- Select the "Immunisations" tab and click on the "Influenza" tab
  Click on all segments of the pie chart but the "<= 1 yr" (or the corresponding color in the legend) to select all patients that haven't had an</li> immunisation this calendar year



• Click on "Export" to get a list of all patients aged 65+ with no influenza vaccination this calendar year

<b>R</b> Fi	<b>Reident</b>	<b>ify Report</b> By: Age 65	[Patient Co 5+, Selected:	unt = 269: : Last Influe	5] enza '	Vaccine (N	othing Record	ded, Previous	Year, Prio	r to Previous	Year)					
ID	D	Surname	First Name	Known As	Sex	D.O.B (Age)	Address	City	Postcode	Phone (H/W)	Phone (M)	Medicare	IHI	Last Influenza Vaccine		
90	075	Surname	Firstname_1	Firstname_1	F	01/01/1944 (77)	12 John St	Suburb Town	3996	H:07 50505050 W:07 50509999	1234999999	12341234123 4		20/04/2020 Fluad Quad;2689	0	
74	413	Surname	Firstname_2	Firstname_2	Μ	01/01/1942 (79)	12 Jogger St	Suburb Town	3993	H:07 50505050 W:07 50509999	1234999999	12341234123 4		06/05/2020 Fluad Quad;2689	0 070	
23	38	Surname	Firstname_4	Firstname_4	Μ	01/01/1952 (69)	12 Jogger St	Suburb Town	4434	H:07 50505050 W:07 50509999	1234999999	12341234123 4		15/05/2020 Fluad Quad;2689	070	
21	152	Surname	Firstname_6	Firstname_6	F	01/01/1955 (66)	12 John St	Suburb Town	4703	H:07 50505050 W:07 50509999	1234999999	12341234123 4		Nothing Recorded		
41	197	Surname	Firstname_24	Firstname_24	F	01/01/1950 (71)	12 John St	Suburb Town	5267	H:07 50505050 W:07 50509999	1234999999	12341234123 4		30/06/2020 Fluad Quad;2675	0	
88	865	Surname	Firstname_32	Firstname_32	F	01/01/1955 (66)	12 John St	Suburb Town	3830	H:07 50505050 W:07 50509999	1234999999	12341234123 4		13/05/2019 FluQuadri; 14048	9 UJ	

Target group 2: Indigenous patients older than 6 months

In the 'Filters' Pane

- In the "General" tab change the Age unit from 'Yrs' to 'Mths'
- type 6 in the "Start Age' field"

General Ethnicity Condition	is Medications Date Range (Results) Date Rang DVA	ge (Visits) Patient Name Patient Statu Age	Providers	Risk Factors MBS Attenda	nce Saved Filters Activity	Postcode   Include  Exclude
Male Female	DVA < Any Color > ~ non DVA	Start Age 6	<ul> <li>Any</li> <li>&lt; 6 mths</li> </ul>	<ul><li>○ None</li><li>○ &lt; 15 mths</li></ul>	Active (3x in 2yrs)	City/Suburb   Include   Exclude
Other Not Stated	Health Cover	O Yrs O Mths	○ < 24 ○ Date Rang	O < 30 mths	Visits in last 6 mths >= 0 v	(ists: comma separated, * wildcard)
		No Age	01/01/2021 \	to 01/01/2021 V	Has Not Visited in last	Clear General

• In the "Ethnicity" tab click on "Indigenous"



- Click "Recalculate"
- Click "Hide Filters"
- Follow the steps described above for the Immunisation/Influenza report to display the patients targeted

• In the "Risk Factor" tab, select "Pregnancy" under the "Other Risk Categories"

General Ethnicity Conditions Medications Date Range (Results) Date Risk Factors	e Range (Visits) Patient Name Patient Status Providers Risk Factor	MBS Attendance Saved Filters						
Substance Abuse	Requires Immunisation	Other Risk Categories						
Smoking	Has Conditions increasing risk of	Pregnancy						
Alcohol - Drinker	Pneumococcal	Obesity						
Alcohol - Drinker High Risk *		Transplant						
Medication/Drug abuse **								
* 2 or more drinks on a regular occasion or more than 4 drinks on any occcasion ** Diagnosis Clear								

- Click "Recalculate"
- Click "Hide Filters"

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· Follow the steps described above for the Immunisation/Influenza report to display the patients targeted

## To Export Patient List to Microsoft Excel:



at the top of the Patient Reidentification window.

- 2. Click on "Excel"
- 3. Choose a file name and a location to save to (eg. Create a folder C:/ClinicalAudit/CAT Patient FollowUp)
- 4. Click "Save"

The steps above will produce a list of patients with contact details in MS Excel which can then be used to:

- 1. Go back through the individual patient records in the GP Clinical Desktop System (CDS) and update known records
- 2. Phone patients to update their record
- 3. Produce a mail merge to recall patients for follow up