

EMBEDDING EYE HEALTH PREVENTATIVE CARE INTO PRIMARY CARE

Orientation and activities package for general practice

Quality and systems improvement project



Leadership



Collaboration



Respect



Accountability



Innovation

Murray PHN acknowledges its catchment crosses over many unceded First Nations Countries following the Dhelkunya Yaluk (Healing River).

We pay our respects and give thanks to the Ancestors, Elders and Young People for their nurturing, protection and caregiving of these sacred lands and waterways, acknowledging their continuation of cultural, spiritual and educational practices.

We are grateful for the sharing of Country and the renewal that Country gives us.

We acknowledge and express our sorrow that this sharing has come at a personal, spiritual and cultural cost to the wellbeing of First Nations Peoples.

We commit to addressing the injustices of colonisation across our catchment, and to listening to the wisdom of First Nations communities who hold the knowledge to enable healing.

We extend that respect to all Aboriginal and Torres Strait Islander Peoples

We aspire to be an anti-racist organisation, embedding cultural humility as a daily practice, to improve health outcomes and health equity in our communities. We recognise cultural humility as a life-long commitment to self-reflection, personal growth and redressing power imbalances in our society.

This package is intended for use by PHN staff and general practices participating in the **embedding eye health preventative care into primary care** project. Murray PHN acknowledges that some content in this package has been extracted and adapted from materials created by Vision 2020 Australia, PenCS, and Murray PHN's Eye Health Tool Kit for General Practice 2022.

The **embedding eye health preventative care in primary care project** is supported by the Victorian Government.

Table of contents

Background Information	4
Project objectives	5
Key messages	5
Regional data on risk factors for vision loss and eye disease	6
Screening and referral flowchart.....	7
Data collection.....	8
Calendar of activities and deliverables	9
Professional Development: Eye Health - Vision 2020 Australia	11
Free online training modules.....	11
Free live webinars in 2023	13
Optometry engagement letter.....	14
Referral template to Optometry	15
Ophthalmology HealthPathways	16
Pre-pilot survey	17
Baseline data collection form.....	18
Patient referral tracking template.....	19
Referral data collection form.....	20
Outcome data collection form.....	21
Quality Improvement: Activities to get started.....	22
Activity 1: Updating patient information to include “When was your last eye test?”	22
Activity 2: Understand your patient population	22
Activity 3: Health assessments for patients at risk of poor eye health	23
Activity 4: GP management plans for patients with chronic disease	23
Activity 5: Referrals to optometrists.....	24
Activity 6: Get to know your local optometrists	25
Activity 7: Using HealthPathways.....	25
Activity 8: Resources	26
Quality Improvement: Model for Improvement and Plan Do Study Act cycles.....	27
Step 1: The three fundamental questions	28
Step 2: PDSA cycle	28
Other QI ideas for testing	30
Resources.....	31
Appendix 1: CAT4 recipes for baseline data collection	32
Appendix 2: POLAR walkthroughs for baseline data collection.....	43

Background Information

Many eye conditions are preventable if detected or treated early. Regular eye examinations are an effective measure for identifying common eye problems and can prevent avoidable blindness and vision loss.

While eye disease can occur at any age, the risk factors include:

- being over 40 years of age
- smoking
- hypertension
- diabetes
- having a family history of eye disease

Some groups experience greater barriers to accessing eye health care, for example Aboriginal and Torres Strait Islander people and people from culturally and linguistically diverse backgrounds.

In addition, emerging evidence suggests that increased digital screen time is associated with vision problems in children¹. It is recommended that children have a full eye examination with an optometrist prior to commencing school and then regular visits as they progress through primary and secondary school.²

This project will therefore focus on underserved groups and patients with known risk factors.

The impacts of vision loss are multifaceted. Vision loss is associated with serious injuries caused by falls and motor vehicle accidents, depression related to lost independence and reduced social engagement. There are also strong associations between vision loss and dementia³.

Many eye conditions have no symptoms in their early stages and therefore identifying those at higher risk of eye disease is important in primary health care. General practice plays a crucial role in reducing avoidable blindness and vision loss and its associated burden of disease.

The Victorian Department of Health (DOH) has funded Murray PHN to partner with Eastern Melbourne PHN to lead the development and implementation of a quality and systems improvement pilot project to improve eye screening and detection of eye conditions/disease for at risk groups across Victoria to reduce the prevalence of avoidable blindness and vision loss. The project is being undertaken in partnership with Vision 2020 Australia, Gippsland PHN, North Western Melbourne PHN, and Western Victoria PHN.

This project will engage 5-10 general practices in each of the Victorian PHN regions named above, to focus on identifying, developing, and implementing quality and sustainable system improvements to support the ongoing identification and appropriate referral to eye health professionals of people at risk of developing eye disease or vision loss. Using a whole of practice approach, practices will also focus on increasing engagement with local optometrists and ophthalmologists.

This pilot project will commence in February 2023 with an induction phase, continue with an 8-month quality improvement activity phase from March to October 2023 and then finalise with an evaluation phase in November 2023.

¹ Timorkhan, M.A., 2022. Children's vision health during the COVID-pandemic. *Middle East Journal of Family Medicine*, 20(4).

² Good vision for life. 2020, Back to school: make the first test of the year an eye exam. Good vision for life. <https://goodvisionforlife.com.au/2020/01/30/back-to-school-make-the-first-test-of-the-year-an-eye-exam/>.

³ Burton MJ, et al. 2021. The Lancet Global Health Commission on Global Eye Health: vision beyond 2020. *Lancet Glob Health*. Apr;9(4)

Project objectives

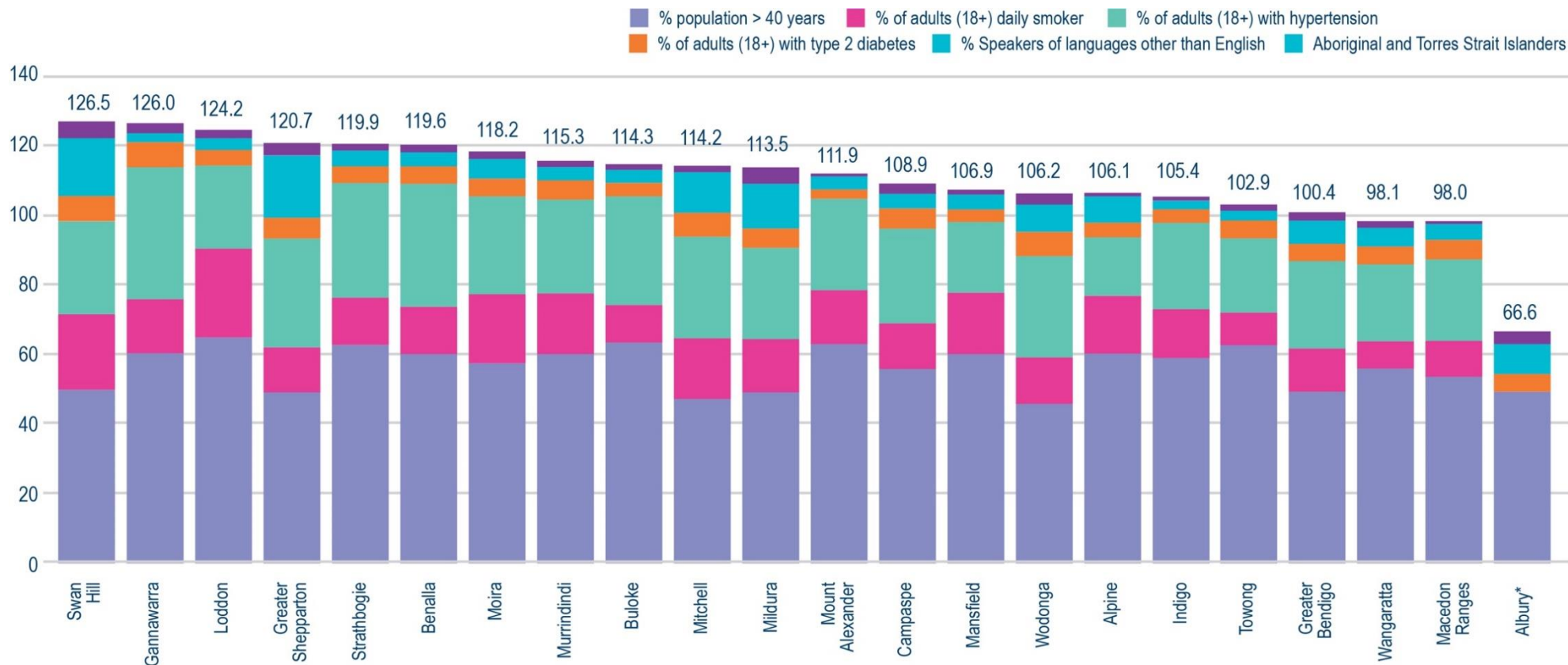
The project objectives are to develop a systematic, cost effective and sustainable approach to the delivery of eye health preventative care in primary care, leading to an increase in the rates of eye screening, referral and detection of eye conditions/disease for at risk groups in Victoria.

Key messages

1. Help identify people who may be at risk of eye conditions.
2. Ask those at-risk of eye conditions “when was your last eye test?”.
3. Educate people on eye health and vision care, including how to prevent vision loss.
4. Promote the importance of eye tests to people 40 years and older who may not present with symptoms.
5. Refer people to an appropriate eye health provider.
6. Seek immediate advice on potential ocular emergencies from a local optometrist or ophthalmologist.
7. Encourage people who are blind or have vision loss to link with support services to assist with everyday activities.

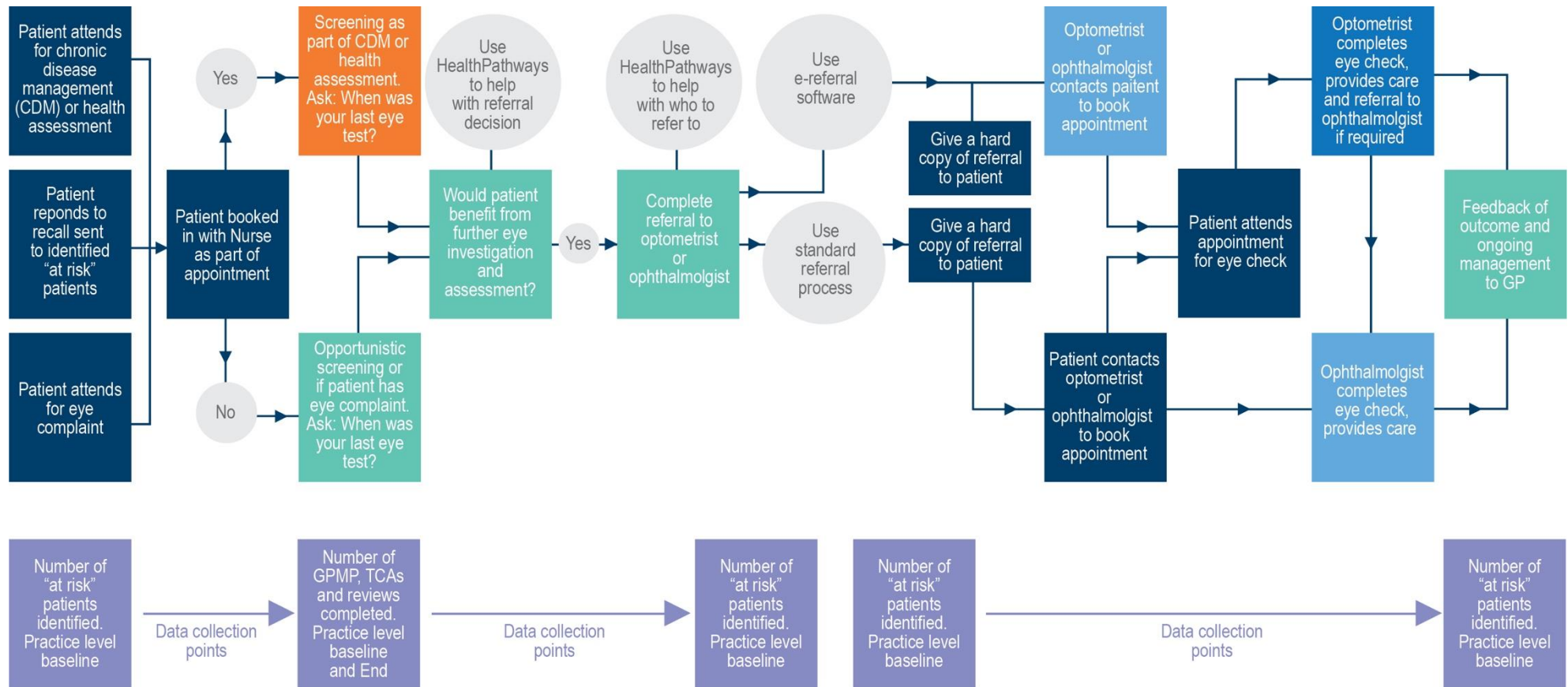
Regional data on risk factors for vision loss and eye disease

Proportion of population with risk factors for eye disease by LGA in the Murray PHN region



*Hypertension and smoking data is not available for Albury LGA

Screening and referral flowchart



Data collection

Indicators		Survey of current eye health knowledge, systems, processes, training, and use of HealthPathways	Number of patients in each risk group ¹ for poor eye health identified within the practice.	Number of patients in each risk group ¹ with GPMP and TCA completed in last 12 months	Number of patients in each risk group ¹ with GPMP review completed in last 12 months	Number of patient referrals for an eye check to optometrist or ophthalmologist	Number of patients that attended eye appointments	Outcome of referral
Baseline	Measured	Yes	Yes	Yes	Yes	Not applicable		
	Timeframe	Induction	Induction	Induction	Induction			
	Method	Pre-pilot survey	Baseline data collection form	Baseline data collection form	Baseline data collection form			
Monthly Data Collection	Measured	Not applicable				Yes	Yes	Yes
	Timeframe					7th of the month for prior month	7th of the month for prior month	7th of the month for prior month
	Method					Referral data collection form	Outcome data collection form	Outcome data collection form
End	Measured	Yes	Yes	Yes	Yes	Not applicable		
	Timeframe	Evaluation period	Evaluation period	Evaluation period	Evaluation period			
	Method	Post-pilot survey	Post-pilot data collection form	Post-pilot data collection form	Post-pilot data collection form			
How to collect data for reporting		Survey responses required via Microsoft FORMS	<u>CAT4 Recipes</u> <u>POLAR</u>	<u>CAT4 Recipes</u> <u>POLAR</u>	<u>CAT4 Recipes</u> <u>POLAR</u>	Manually track patients who are referred using Patient Tracking sheet. Record referral counts on Referral data collection form.	Manually track outcomes received from Opt/Ophth using Patient Tracking sheet. Record count of outcomes on Outcome data collection form.	Categorise outcome of referral from reports received from Opt/Ophth
Data filters and specifications		Not applicable	Active Patients: Active (not inactive or deceased) and RACGP Active (i.e., 3 visits in 2 years). ¹ Risk groups for poor eye health: 40 years and older, smokers, diabetes, hypertension, Aboriginal and Torres Strait Islanders	Number of Active Patients. Number of Active Patients in each risk group ¹ . Filter MBS item 721 (or 92024) claimed in last 12 months Filter MBS item 723 (or 92025) claimed in last 12 months	Number of Active Patients in each risk group ¹ . Filter MBS item 732 (or 92028) claimed in last 12 months	Number of patients referred: Optometrist OR Ophthalmologist Method of referral Patient gender Risk factor(s)	Number of clinical reports received back indicating that the patient attended the eye check	Number of referral outcomes in each category: 1. Diagnosis (7 categories) 2. Treatment (5 categories) 3. Further action (5 categories)

Calendar of activities and deliverables

Phase	Month	Activity	Commitment requirement (indicative)
Induction	February 2023	<ul style="list-style-type: none"> Collect baseline data Complete pre pilot survey Participate in induction meeting with PHN staff to review project requirements and develop project QI activities plan 	<ul style="list-style-type: none"> 1hr for data collection and completion of survey 2hr induction meeting - attendance by all practice project team members and PHN project staff
QI Activities	March 2023	<ul style="list-style-type: none"> Enrol in and commence eye health professional development modules Participate in professional development webinar (World Glaucoma Week) Tuesday 14 March Commence QI activities Track referrals and report data at end-of-month Participate in monthly check in meeting with PHN project staff 	<ul style="list-style-type: none"> 1-2hrs PD modules (per person) 1hr professional development webinar (optional) Dedicated time on QI activities (2hrs) 30min data collection 30min meeting with PHN - attendance by at least the practice project lead
	April 2023	<ul style="list-style-type: none"> Complete eye health professional development modules Continue QI activities Track referrals and report data at end-of-month Participate in collaborative QI network meeting (optional lunch time informal sharing of ideas) Participate in monthly check in meeting with PHN project staff 	<ul style="list-style-type: none"> Dedicated time on QI activities (2hrs) 30min data collection 30min QI network meeting (optional) 30min meeting with PHN - attendance by at least the practice project lead
	May 2023	<ul style="list-style-type: none"> Participate in professional development webinar (Macula Month) Tuesday 9 May Continue QI activities Track referrals and report data at end-of-month Participate in monthly check in meeting with PHN project staff 	<ul style="list-style-type: none"> 1hr professional development webinar (optional) Dedicated time on QI activities (2hrs) 30min data collection 30min meeting with PHN - attendance by all the practice project team
	June 2023	<ul style="list-style-type: none"> Continue QI activities Track referrals and report data at end-of-month Participate in monthly check in meeting with PHN project staff 	<ul style="list-style-type: none"> Dedicated time on QI activities (2hrs) 30min data collection 30min meeting with PHN - attendance by at least the practice project lead

	July 2023	<ul style="list-style-type: none"> • Participate in professional development webinar (Diabetes Awareness Week) Wednesday 12 July • Continue QI activities • Track referrals and report data at end-of-month • Participate in collaborative QI network meeting (optional lunch time informal sharing of ideas) • Participate in monthly check in meeting with PHN project staff 	<ul style="list-style-type: none"> • 1hr professional development webinar (optional) • Dedicated time on QI activities (2hrs) • 30min data collection • 30min QI network meeting (optional) • 30min meeting with PHN - attendance by at least the practice project lead
	August 2023	<ul style="list-style-type: none"> • Participate in professional development webinar (Children's vision) Wednesday 30 August • Continue QI activities • Track referrals and report data at end-of-month • Participate in monthly check in meeting with PHN project staff • Identify and record case study (patient referred to eye care provider, patient attended visit and feedback received). Use template supplied by your PHN. 	<ul style="list-style-type: none"> • 1hr professional development webinar (optional) • Dedicated time on QI activities (2hrs) • 30min data collection • 15min case study preparation • 30min meeting with PHN - attendance by all the practice project team
	September 2023	<ul style="list-style-type: none"> • Continue QI activities • Track referrals and report data at end-of-month • Participate in monthly check in meeting with PHN project staff 	<ul style="list-style-type: none"> • Dedicated time on QI activities (2hrs) • 30min data collection • 30min meeting with PHN - attendance by at least the practice project lead
	October 2023	<ul style="list-style-type: none"> • Participate in professional development webinar World Sight Day (Cataracts) Thursday 12 October • Continue QI activities • Track referrals and report data at end-of-month • Participate in monthly check in meeting with PHN project staff 	<ul style="list-style-type: none"> • 1hr professional development webinar (optional) • Dedicated time on QI activities (2hrs) • 30min data collection • 30min meeting with PHN - attendance by at least the practice project lead
Wrap up	November 2023	<ul style="list-style-type: none"> • Complete post pilot survey and evaluation • Follow up any outstanding data • Participate in wrap-up meeting with PHN project staff 	<ul style="list-style-type: none"> • 30min completion of survey • 1hr meeting with PHN - attendance by all the practice project team

Professional Development: Eye Health - Vision 2020 Australia

Vision 2020 Australia, the peak body for eye health and vision care organisations in Australia, have developed a range of professional development and training opportunities for health professionals working across the primary care sector.

In addition to the training and webinars hosted by Vision 2020 Australia, the activities undertaken as part of this project may be suitable for GPs to include as part of their CPD requirements.

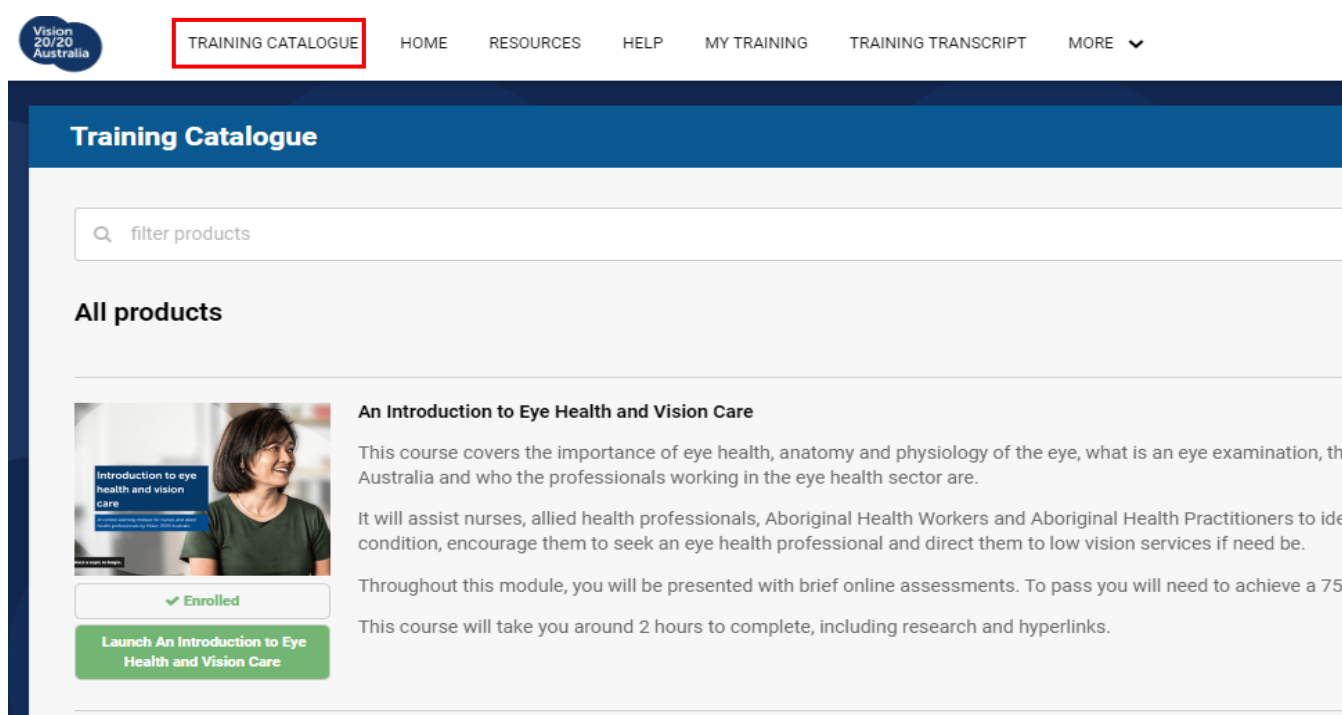
Free online training modules

Training can be accessed via Vision 2020 Australia's [online training platform](https://vision2020australia.kineoport.com.au/portal/self-registration.jsp?group=484812):

<https://vision2020australia.kineoport.com.au/portal/self-registration.jsp?group=484812>

Users can only register with the platform using the above link. The link gives direct access to the registration form. Once registration is complete a success message will appear on the screen and an automated welcome email is sent to the user.

Users can then select the course they wish to enrol in via the training catalogue tab on the top menu bar.



Users must complete all pre and post survey questions, assessment questions and interactions to complete a course.

Clinicians from the practice's eye health project team are required to complete the Vision 2020 Australia training modules relevant for their profession. A certificate of training is required as evidence of completion of training and can be accessed from the My Training tab on the top menu bar

Other clinical staff at the practice are encouraged to complete training relevant to their profession.

My Training

🔍 search for a learning activity

Filter by Completed



An Introduction to Eye Health and Vision Care

Completed on 5 January 2023. Score: 94%

✔ Certificate Awarded **VIEW NOW**



Advanced Eye Care Training for Primary and Allied Health

Advanced Eye Care Training for Primary and Allied Health

Completed on 5 January 2023. Score: 88%

✔ Certificate Awarded. **VIEW NOW**

Course Title	Audience & Description
An Introduction to Eye Health and Vision Care	This two hour course is for nurses, allied health professionals, Aboriginal Health Workers and Practitioners and covers the importance of eye health, anatomy and physiology of the eye, what is an eye examination, the main eye conditions causing vision loss in Australia and who are the professionals working in the eye health sector. It will assist participants to identify people at risk of developing an eye condition, encourage them to seek an eye health professional and direct them to low vision services if needed.
Advanced Eye Care	One hour course for nurses, allied health professionals and Aboriginal Health Workers and Practitioners (prerequisite is Intro course). The course includes an overview of how to conduct a basic vision assessment, the vision and eye health requirements for driving in Australia, the risks to eye health associated with chronic disease and the impact of medium- and long-term use of systemic medications on eye health.
Common Eye Conditions	Two hour course for general practitioners . This course will cover the main causes of vision loss and blindness in Australia, how to conduct a basic vision assessment, common eye infections and an introduction to ocular emergencies. It will also include details on who is part of the eye care team, your role in eye health preventative care and the referral process to optometry and ophthalmology services.

Diabetes Eye Care	<p>One hour course for diabetes educators and others working with people with diabetes, including Aboriginal health workers and practitioners.</p> <p>This course will dive into the detail of how diabetes can affect eye health and vision and your role in vision loss prevention through education and support provided to people living with diabetes.</p> <p>This course was developed in partnership with the Australian Diabetes Educators Association.</p> <p>Pre-requisite: Completion of the course <i>An Introduction to Eye Health and Vision Care</i> (2 hours).</p>
Emergency Eye Care	<p>One hour course for general practitioners, practice nurses and Aboriginal health workers and practitioners.</p> <p>This course will provide information on the types of ocular emergencies that may present to you, how to assess them and refer them appropriately to eye care services to ensure timely management.</p>

Free live webinars in 2023

All practice staff are encouraged to participate in the webinars hosted by Vision 2020 Australia throughout the course of the project as these will provide a deeper focus on the most common eye diseases.

Participants will first need to register with EventBrite to access the webinars. Participants can click on each of the registration links provided below and request a reminder be sent to them once registrations are open for that webinar (usually 2-4 weeks prior). The webinars coincide with national/international awareness raising events and focus on the five main causes of vision loss to provide a deeper understanding of the most common eye conditions in Australia.

Webinars will run for 1 hour and will be hosted on Zoom. All webinars will be recorded. The style of each webinar will vary according to the topic but will be a mixture of individual presentations and discussions panels. There will be time for Q&A as part of each webinar.

Date	Title	EventBrite link
Tuesday, 6.30 pm 14 March 2023	Vision 2020 Australia - Eye Health Webinar 1: Glaucoma deep-dive	Registration link
Tuesday, 6.30 pm 9 May 2023	Vision 2020 Australia - Eye Health Webinar 2: Macular degeneration	Registration link
Wednesday, 6.30 pm 12 July 2023	Vision 2020 Australia – Eye Health Webinar 3: Diabetes and eye health	Registration link
Wednesday, 6.30 pm 30 August 2023	Vision 2020 Australia - Eye Health Webinar 4: Children's vision	Registration link
Thursday, 6.30 pm 12 October 2023	Vision 2020 Australia - Eye Health Webinar 5: Cataracts deep-dive	Registration link

Optometry engagement letter

Optometrist Name

Optometrist Address

Date

Dear

Murray PHN (Primary Health Network) is partnering with Vision 2020 Australia, and Victorian PHNs to implement a project called **Embedding Eye Health Preventative Care into Primary Care**. This partnership builds on the important eye health promotion work done in the past by the Vision Initiative to improve eye health and vision care in Victorian communities.

With the aim to increase the rates of eye screening and early detection of eye conditions/disease for at-risk groups in Victoria, this project is funded by the Victorian Department of Health and will involve working with general practices and other primary care providers to embed systems to identify those at highest risk of eye disease and if appropriate, refer to optometry services for a comprehensive eye examination.

As a result, you may receive an increase in the number of patients referred to you for an eye check.

To ensure the best outcomes for patients referred to you, it would be appreciated if you could provide written post consultation findings and feedback to the referring GP to allow for ongoing management and care. If you require any resources or assistance in developing systems to streamline the provision of feedback to the referring GP, Murray PHN would be happy to discuss possible opportunities for collaboration.

Murray PHN will be working with the following general practices in the **XXX** LGA:

I will call you in the next few weeks to discuss the project and any questions you may have. In the meantime if you have any queries, please feel free to contact us.

Yours sincerely

Name

Position

Phone

Email

Referral template to Optometry

Referrer Organisation
Address
Suburb State Postcode
Contact details

Date:
Optometrist Name
Optometry practice name
Address
Suburb State Postcode

Dear Optometrist Name

Re: Referral of Patient Name for an eye health check

Thank you for seeing the following patient for assessment of their eye health.

Patient Details:

Patient Name:
Date of Birth:
Address:
Contact number:

Referral Details:

Concerned about (Please tick)

- Visual Fields Glaucoma Macular degeneration
 Visual Acuity Diabetic retinopathy Cataract

Other: _____

Clinical reason for referral (symptoms, duration, severity):

Additional relevant medical history that may assist in your review of the patient includes:

Current medications:

I look forward to receiving your written report regarding this patient upon completion of the examination.

Yours sincerely,

Referrers name

Job title
Organisation name

Ophthalmology HealthPathways

The following conditions are listed in [Murray PHN HealthPathways](#). Some conditions have not been adapted or localised for the Murray PHN region. Victorian public hospital specialist clinics have state-wide referral criteria for the conditions marked with an asterisk (*).

<u>Cataracts</u> *	<u>Keratitis</u> *
<u>Children's Eye Problems</u>	<u>Low Vision Assistance</u>
<u>Corneal Problems</u> <ul style="list-style-type: none"> • <u>Corneal Ulcers and Abrasions</u> * • <u>Herpes</u> <ul style="list-style-type: none"> • <u>Herpes Simplex Keratitis / Dendritic Ulcer</u> * • <u>Herpes Zoster Ophthalmicus</u> • <u>Pterygium</u>* 	<u>Red Eye</u> <ul style="list-style-type: none"> • <u>Acute Bilateral Red Eye</u> • <u>Allergic Conjunctivitis</u> • <u>Chronic Bilateral Red Eye</u> • <u>Infective Conjunctivitis</u> • <u>Iritis</u> • <u>Scleritis</u> • <u>Unilateral Red Eye</u>
<u>Diabetic Retinopathy</u> *	<u>Trauma in Eyes</u> * <ul style="list-style-type: none"> • <u>Foreign Body in Eye</u> *
<u>Eye Assessment in Adults</u>	<u>Vision Loss</u> <ul style="list-style-type: none"> • <u>Floaters, Flashes, Retinal Detachment</u> • <u>Glaucoma</u> <ul style="list-style-type: none"> • <u>Acute Angle-closure Glaucoma (AACG)</u> * • <u>Open-Angle Glaucoma (OAG)</u>* • <u>Macular Degeneration</u>* • <u>Refractive Error</u> • <u>Sudden or Recent Vision Loss</u>* • <u>Transient Monocular Vision Loss</u>
<u>Eyelid Problems</u> <ul style="list-style-type: none"> • <u>Ectropion and Entropion</u> • <u>Eyelid Lesions</u> 	
<u>Irritated and Dry Eyes</u> * <ul style="list-style-type: none"> • <u>Keratoconjunctivitis Sicca</u> • <u>Blepharitis</u> 	<u>Ophthalmology Referrals</u> <ul style="list-style-type: none"> • <u>Immediate Ophthalmology Referral</u>* • <u>Urgent or Routine Ophthalmology Referral</u>*

Pre-pilot survey

Before commencing any work on quality or systems improvements within your practice, it is important to know what your practice is currently doing with respect to eye health. This will help with the design of an action plan that is best suited to your practice and will help with evaluating whether the project has achieved its objectives.

The pre-pilot survey link will be sent to you via email prior to the scheduled orientation visit. Please complete the pre-pilot survey using the link provided by your PHN.

A PDF copy of the survey can be seen [here](#).

Baseline data collection form

The following data will be collected during the induction period, prior to commencing any quality improvement activities. The data may be obtained either by your PHN (from the data extracted from your clinical software each month and sent to your PHN via a data extraction tool i.e. POLAR or CAT) or can be collected at the practice using the data extraction tool. Instructions for collecting this data at the practice are provided in Appendix 1 (CAT) and Appendix 2 (POLAR).

Practice name:	Data extraction date: (i.e. date the extraction tool collected data from the clinical software)
----------------	--

Risk category	Number of ACTIVE RACGP patients			
	Measure 1	Measure 2	Measure 3	Measure 4
	Number in cohort	GPMP (MBS item 721 or 92024) claimed in last 12 months	TCA (MBS item 723 or 92025) claimed in last 12 months	GPMP review (MBS item 732 or 92028) claimed in last 12 months
Total number of ACTIVE RACGP patients in practice		Not applicable	Not applicable	Not applicable
40 years and older				
Smoker				
Diabetes (Unknown, Type 1, Type 2)				
Hypertension				
Aboriginal and Torres Strait Islander				

Note: ACTIVE RACGP patients includes those patients who have had 3 or more clinical activities/ encounters in the last 2 years and are not deceased or marked as inactive.

Patient referral tracking template

(This tracking sheet is for general practice internal use only and will not be collected)

Patient details	Risk factors (List all that apply)	REFERRAL				OUTCOME OF REFERRAL (i.e., correspondence received)				
		When	How	To Whom		When	What: Review correspondence, select the response from the options provided for each question			
Name D.O.B. Gender (male/ female/ other)	<ul style="list-style-type: none"> • over 40 yrs • diabetes • smoker • hypertension • CALD • Aboriginal and/or Torres Strait Islander • Family history of eye disease • Increased digital screen time- child 	Date sent	Electronic OR Manual OR Informal	Name of Optometrist	Name of Ophthalmologist	Date received	Have you received correspondence indicating that the patient attended the visit with the eye care provider? 1 Yes 2 No, patient didn't attend	Was a diagnosis made by the eye care provider? What was it? 1 No 2 Refractive error 3 Glaucoma 4 Cataract 5 Macular degeneration 6 Diabetic retinopathy 7 Other	Has any treatment been provided or recommended? 1 No 2 Corrective lenses 3 Surgery 4 Medication 5 Other	Is any further action required? 1 None 2 Referral to another health professional 3 Ongoing management by eye care provider 4 Ongoing management by GP 5 Other
<i>Example John Smith 1/1/1960, male</i>	<i>Diabetes, over 40</i>	<i>14/3/23</i>	<i>Manual</i>	<i>Len Glasses</i>		<i>30/3/23</i>	<i>1</i>	<i>4</i>	<i>3</i>	<i>3</i>

Referral data collection form

The referral data collection form is to be completed based on information recorded in the patient tracking sheet. Practices should count the total number of referrals made each month (based on the date the referral was sent) and then provide a breakdown of the number of referrals in each response category for the 3 referral questions.

Referral metrics		How many referrals to eye health providers have been completed this month via each method? 1 Manually sent to provider (mail or fax) 2 Electronically sent to provider (secure messaging) 3 Informal either verbally and/or written referral communicated to patient but not sent to provider						Of the patients referred to an eye health provider this month, what was the breakdown of gender? 1 Male 2 Female 3 Other			Of the patients referred to an eye health provider this month, what were the risk factors identified? 1 Over 40 2 Diabetes 3 Smoker 4 Hypertension 5 CALD 6 Aboriginal and/or Torres Strait Islander 7 Family Hx of eye disease 8 Increased digital screen time							
Month	Total for the month	Count for each option						Count for each option			Count for each option							
		Optometrist			Ophthalmologist													
		1	2	3	1	2	3	1	2	3	1	2	3	4	5	6	7	8
Example	8	2		4	2			4	4		3	2	1	2	0	0	2	0
March 2023																		
April 2023																		
May 2023																		
June 2023																		
July 2023																		
August 2023																		
September 2023																		
October 2023																		

Outcome data collection form

The outcome data collection form is to be completed based on information recorded in the patient tracking sheet. Practices should count the total number of referral outcomes received each month (based on the date the outcome correspondence was received) and then provide a breakdown of the number of referral outcomes in each response category for the 4 referral outcome questions.

Referral Outcome metrics		Have you received correspondence indicating that the patient attended the visit with the eye care provider? 1 Yes 2 No, patient didn't attend		Was a diagnosis made by the eye care provider? If so, what was it? 1 No 2 Refractive error 3 Glaucoma 4 Cataract 5 Macular degeneration 6 Diabetic retinopathy 7 Other							Has any treatment been provided or recommended? 1 No 2 Corrective lenses 3 Surgery 4 Medication 5 Other					Is any further action required? 1 None 2 Referral to another health professional 3 Ongoing management by eye care provider 4 Ongoing management by GP 5 Other				
Month	Total for the month	Total count		Total count							Total count					Total count				
		1	2	1	2	3	4	5	6	7	1	2	3	4	5	1	2	3	4	5
Example	3	2	1		1				1			1			1	1		1		
March 2023																				
April 2023																				
May 2023																				
June 2023																				
July 2023																				
August 2023																				
September 2023																				
October 2023																				

Quality Improvement: Activities to get started

There are some activities that your practice can complete to start embedding eye health preventative care into your everyday workflows, systems, and clinical practice. Further, there are some ideas that could be tested, using a quality improvement framework called the Model for Improvement, to see if the idea or change you make would lead to an improvement.

Activity 1: Updating patient information to include “When was your last eye test?”



The aim of this activity is to review your practice process for collecting and recording new patient information

Description	Status	Action to be taken
Does your practice have an up-to-date new patient registration form? Does this form include the question “When was your last eye test?”	<input type="checkbox"/> Yes: see ideas for testing <input type="checkbox"/> No: see action to be taken	Develop a new patient registration <u>form</u> or include a question regarding the patient’s last eye test. See ideas for testing.

Ideas for testing

- How will you record this information in your clinical software?
- Is it possible to run a report on this information at a practice level, via an extraction tool or your clinical software?

Activity 2: Understand your patient population



The aim of this activity is to collect data to determine the number of patients at your practice who are at risk of poor eye health

This activity forms the baseline data collection for this project. Your PHN may already have been able to collect this data on your behalf for reporting purposes, but it is important for practices to understand how to identify their at-risk population cohort using a data extraction and reporting tool such as the Clinical Audit Tool (CAT4) or Population Level Analysis & Reporting (POLAR). Instructions for using either CAT4 or POLAR to identify your at-risk population can be found in Appendix 1 and 2 respectively. Once you have identified your at-risk population cohort, you can test ideas to engage with this population around eye health.

Ideas for testing

- Opportunistic screening: Can you add a reminder to an “at risk” patient’s file so that the treating health professional is prompted to ask the patient about eye health at their next visit?

Activity 3: Health assessments for patients at risk of poor eye health



The aim of this activity is to embed the question “When was your last eye test?” into your health assessments

Medicare Benefits Schedule (MBS) item numbers 701-707 and 715 enable general practices to provide health assessments for much of Australia’s population who are at increased risk of eye disease. Health assessments are a good opportunity to ask patients about their eye health.

Whether conducting a brief (701), standard (703), long (705), or prolonged (707) consult, or a health assessment with an Aboriginal or Torres Strait Islander patient (715), primary health care providers can ask “When was your last eye test”?

Description	Status	Action to be taken
Do your Health Assessment templates contain the question “When was your last eye test?”	<input type="checkbox"/> Yes: see ideas for testing <input type="checkbox"/> No: see action to be taken	Add the question “When was your last eye test?” into your health assessment templates.

Ideas for testing

- Send an invitation to your eligible identified at-risk patient cohort to book in for a health assessment at which you can ask “when was your last eye test?”
- What considerations need to be given when engaging with specific patient groups?
- Consider how to standardise referral of patients who have one or more risk factors for eye disease and have not had a recent eye test

Health assessment categories

- Age 45-49 at risk of developing chronic disease
- Age 75 and older
- Age 40-49 at risk of developing Type 2 diabetes
- Comprehensive medical assessment for aged care residents
- Aboriginal & Torres Strait Islanders
- People with intellectual disability
- Refugees and humanitarian entrants

Activity 4: GP management plans for patients with chronic disease




The aim of this activity is to embed the question “When was your last eye test?” into your GP Management Plans

For patients with eye disease, chronic conditions and/or risk factors for poor eye health, GP management plans and team care arrangements can be used for eligible patients to embed eye health management and preventative care. Developing (MBS Item 721) or reviewing (MBS Item 723) a GP management plan with a patient provides a good opportunity to ask about a patient’s eye health.

Description	Status	Action to be taken
Do your GP Management Plan and Diabetes Cycle of Care templates contain the question “When was your last eye test?”	<input type="checkbox"/> Yes: see ideas for testing <input type="checkbox"/> No: see action to be taken	Add the question “When was your last eye test?” into your GPMP and Diabetes Cycle of Care templates.
<p>Ideas for testing</p> <ul style="list-style-type: none"> Recall your at-risk patients who are overdue for a review of their GPMP and include the question “When was your last eye test?” as part of their review. 		

Activity 5: Referrals to optometrists



The aim of this activity is to include Optometry/ Ophthalmology as part of the multidisciplinary care team for patients with, or at risk of poor eye health

Optometry and/or ophthalmology can be included as part of the patient’s multidisciplinary care team and documented in the GP Management Plan and Team Care Arrangement. Services provided by an optometrist will not count towards the 5 Medicare rebated allied health visits under a Team Care Arrangement.

Tip: As part of the referral process, it is suggested that practice nurses and GPs send the patient’s care plan to the optometrist and/or ophthalmologist.

All people aged over 40 should be encouraged to have regular eye examinations as a minimum, once every 2-3 years.


People who notice a change in vision should be encouraged to have an eye examination as soon as possible, irrespective of age or when they last had an eye examination.

Where a person has multiple risk factors, for example, is over 40 years of age and has diabetes, more frequent eye examinations may be required.

Ideas for testing

- Do you have a standard referral template for optometry? There is a [template referral letter](#) in this induction package that you could use.
- Consider adding an optometrist to the TCA as part of GPMP/TCA review (for those who already have a GPMP and have risk factors for eye disease).
- Ensure an optometrist and/or ophthalmologist are part of the GPMP/TCA for patients with diabetes.
- Consider adding an optometrist to the TCA as part of GPMP/TCA development (for those who do not already have a GPMP but would benefit and be eligible for one and have risk factors for eye disease).

Activity 6: Get to know your local optometrists


 The aim of this activity is to build connections with local optometry services

Description	Status	Action to be taken
Do you know the optometry services in your area? Are they listed in your practice software?"	<input type="checkbox"/> Yes: see further ideas for building connections <input type="checkbox"/> No: see action to be taken	Add the contact details of the optometry services in your area to the directory in your practice software. A list of optometrists can be obtained via the KeepSight website or via the National Health Services Directory Enter your postcode to obtain a list of services in your area.

Further ideas

- Do you know what services your local optometrist can provide? Make contact and ask if you can have a tour of their practice to show you what assessments and tests they can perform. Request an eye test for yourself.
- Invite local optometrists to speak to your team at QI and/or staff meetings.
- How could you encourage optometrists to provide feedback on your referral.

Activity 7: Using HealthPathways

 The aim of this activity is for clinicians to be aware of and have access to referral pathway information provided in HealthPathways


HealthPathways is an online resource for primary health care clinicians, offering clinical and referral pathway information and resources that reflect current best practice and evidence, and are designed for use at the point of care. There are a range of pathways related to eye health which are grouped within the ophthalmology sections. A full list of ophthalmology HealthPathways is provided within this [induction package](#).

Description	Status	Action to be taken
Do your GPs and nurses have access to Murray HealthPathways?	<input type="checkbox"/> Yes: see further ideas <input type="checkbox"/> No: see action to be taken	Learn more and request access via Murray HealthPathways

Further ideas

- Organise a HealthPathways demonstration visit for your clinicians. This can be organised via your Quality Improvement Consultant or your Eye Health Project Coordinator.

Activity 8: Resources

 The aim of this activity is to understand the suite of resources available in the eye health space and what might be suitable for your practice		
Description	Status	Action to be taken
Does your practice have appropriate eye health literacy resources available for patients?	<input type="checkbox"/> Yes: see further ideas <input type="checkbox"/> No: see action to be taken	Review the Vision 2020 resources pack provided to your practice at the orientation visit. Determine which resources to order for your practice. An order form is included in the pack. Return this form to your PHN facilitator. The following resources are available for display in waiting rooms and for patients: <ul style="list-style-type: none"> • Posters: “Over 40? Get tested” • Posters in languages other than English • Information sheets in English and community languages on main eye conditions that cause vision loss and blindness • Pamphlets for Aboriginal and Torres Strait Islander audience
<p>Further ideas</p> <ul style="list-style-type: none"> • Once you have received your first supply of eye health patient resources, you can place further orders directly with Vision 2020 Australia via their website visioninitiative.org.au/order-resources • Display posters and brochures promoting eye health in clinic waiting rooms. • Do you have appropriate resources to engage your patients at risk of poor eye health? E.g. your Aboriginal and Torres Strait Islander and CALD patients. 		

Quality Improvement: Model for Improvement and Plan Do Study Act cycles

After completing the activities above, you may identify areas for improvement and generate ideas that you could test to see if the change leads to an improvement. Follow these steps to conduct a quality improvement activity using the Model for Improvement (MFI) and Plan, Do, Study, Act (PDSA). The model consists of two parts that are of equal importance.

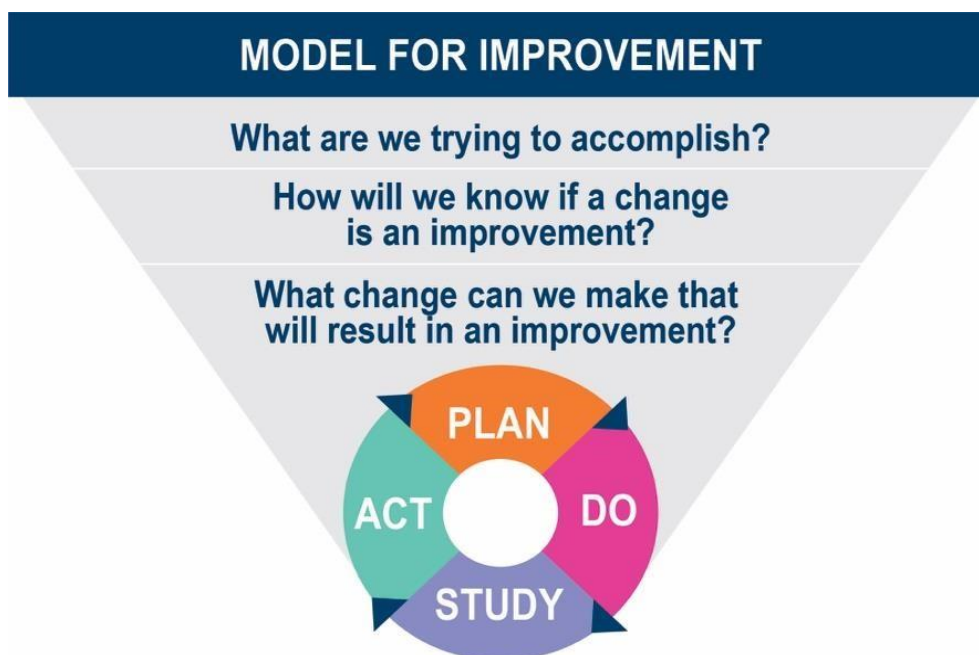
Step 1: The ‘thinking’ part consists of three fundamental questions that are essential for guiding improvement work

- **What are we trying to accomplish?** - This will help you develop your **GOAL** for improvement
- **How will we know that a change is an improvement?** Develop **MEASURES** to track the achievement of your goal. The goal you choose must be SMART - Specific, Measurable, Achievable, Relevant, Time-limited.
- **What changes can we make that will lead to an improvement?** List your steps. This will help you develop **IDEAS** that you can test to help you achieve your goal. Note that each new **GOAL** (the first fundamental question) will require a completed Model for Improvement template.

Step 2: The ‘doing’ part is made up of Plan, Do, Study, Act (PDSA) cycles that will help to bring about rapid change

This includes:

- Your **IDEAS** for testing that you noted when answering the third fundamental question in Step 1
- **PLAN** – what will you do?
- **DO** – was the plan executed?
- **STUDY** – record, analyse and reflect on the results
- **ACT** – what will you take away from this cycle?



Step 1: The three fundamental questions

1. What are we trying to accomplish?

This will help you develop your GOAL for improvement.

2. How will we know that a change is an improvement?

Develop MEASURES to track the achievement of your goal.

3. What changes can we make that will lead to an improvement?

List your steps. This will help you develop IDEAS that you can test to help you achieve your goal. Note that each new GOAL (the first fundamental question) will require a completed Model for Improvement template.

Step 2: PDSA cycle

You will have noted your IDEAS for testing when you answered the third fundamental question in Step 1. You can use this template to test an idea.

IDEA | Describe the idea you're testing

Refer to the third fundamental question.

PDSA cycle number:

PLAN | What will you do?

Explain your idea.

Who will carry it out?

When will it take place? Where?

What do you predict will happen?

What data/information will you collect that will help you measure improvement?

Notes:

DO | Was the plan executed?

Consider the data you collected and document any unexpected events or problems.

STUDY | Record, analyse and reflect on the results

What have you learned? Do your outcomes compare with your predictions? If not, what happened?

ACT | What will you take away from this cycle?

What's your next step or idea, and how might you apply the cycle again?

Other QI ideas for testing

1. There is emerging evidence that children who have increased their screen time and reduced their physical activity may be at increased risk for developing vision problems. Practices could ask the question “Have you had your eyes checked” when children are presenting for their vaccinations.
2. Nurses could host webinars on the importance of eye checks with a targeted patient cohort.
3. Practice managers could develop a card/resource to provide to the patient to encourage attendance at an eye check appointment.
4. Patients who are prescribed long-term corticosteroids are at-risk of developing ocular side effects and should be referred for regular eye examinations. You could recall these patients and/or add a reminder to their file to check when their last eye test was done and provide a referral if required.
5. If available, use non-mydriatic photography for people with diabetes under the following MBS item numbers:
 - a. 12325 (Indigenous Australians)
 - b. 12326 (Non-Indigenous Australians)

If you think of more ideas which could improve the identification, screening, and referral of patients at-risk of poor eye health, list them below then test them within your practice. Ideas can be shared with other practices as part of the collaborative QI Network meetings to be held in **April and July 2023**.

Your ideas:

Resources

1. Guide to eye health for primary health care providers: Vision 2020 Australia

www.visioninitiative.org.au/professional-guide

2. Collateral for display in waiting rooms and for patients: Vision 2020 Australia

To order, go to: <https://www.visioninitiative.org.au/order-resources>

Posters: “Over 40? Get tested”

- Posters in languages other than English
- Information sheets in English and community languages on main eye conditions that cause vision loss and blindness
- Pamphlets for Aboriginal and Torres Strait Islander audience

3. Collateral for eye health awareness days: Vision 2020 Australia

To order, go to: <https://www.visioninitiative.org.au/order-resources>

- Social media tiles
- Social media messaging
- Social media tiles in languages other than English
- Hard copy information sheets on topics (eg glaucoma, macular disease; diabetic eye disease)
- Hard copy materials in languages other than English on topics
- Hard copy materials for Aboriginal and Torres Strait Islander audience

4. KeepSight is a national eye check recall and reminder system for people with diabetes, led by Diabetes Australia. Healthcare providers can access the free digital platform to register patient details.

5. Good Vision for Life is a hub of information including a search function to find a local optometrist, plus information about healthy eyes.

6. Patients who are blind or have vision loss can be referred to Vision Australia for support to live the life they choose. Services include:

- Aids and equipment
- Technology training on phones, computers, and tablets
- Specialised support to remain independent and get around safely
- Specialised children’s services
- Access to social and recreational groups
- Education and employment support
- Audio materials for learning and leisure
- NDIS and My Aged Care support

Appendix 1: CAT4 recipes for baseline data collection

Total practice population

The number of RACGP active patients.

1. General Tab (Top Filter)

- Activity: Active (3x in 2 yrs)

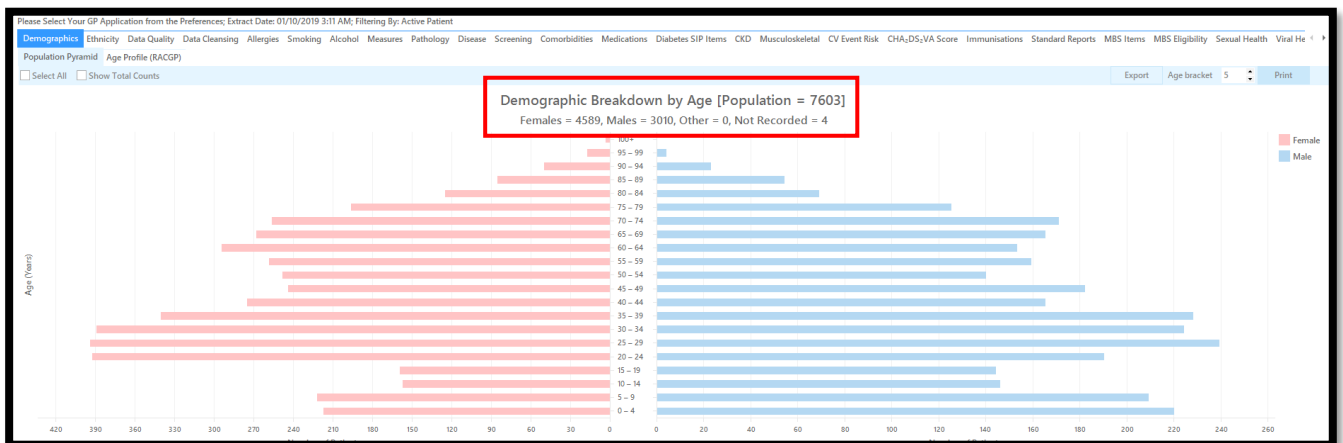
The screenshot shows a 'Filter' interface with several tabs: General, Ethnicity, Conditions, Medications, Date Range (Results), Date Range (Visits), Patient Name, Patient Status, Providers, Risk Factors, MBS Attendance, and Saved Filters. The 'General' tab is active, showing options for Gender (Male, Female, Other, Not Stated), DVA (DVA, non DVA), Health Cover (Medicare No., No), Age (Start Age, End Age, Yrs, Mths, No Age), Patient Status (Last Visit, First Visit, Any, < 6 mths, < 15 mths, < 24 mths, < 30 mths, Date Range), and Activity (Any, Active (3x in 2 yrs), Not Active). The 'Active (3x in 2 yrs)' option is selected and highlighted with a red box. There are also dropdown menus for 'Visits in last 6 mths' and 'Has Not Visited in last mths'.

2. Recalculate (Top Right-Hand Corner)



3. Demographics Tab (Bottom Filter)

- Population Pyramid Tab



*The demographic breakdown will provide the total number of RACGP active patients.

40 years and older

The number of RACGP active patients, 40 years and older, who have had a GPMP, TCA or GPMP review in the last 12 months.

1. General Tab (Top Filter)

- Start Age: 40
- Activity: Active (3x in 2 yrs)

Filter

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

Gender

Male Female Other Not Stated

DVA

DVA < Any Color > non DVA

Health Cover

Medicare No. No

Medicare Number Not Recorded

Age

Start Age 40

End Age

Yrs Mths

Patient Status

Last Visit First Visit

Any None

< 6 mths < 15 mths

< 24 mths < 30 mths

Date Range

01/10/2019 to 01/10/2019

Activity

Any Active (3x in 2 yrs) Not Active

Visits in last 6 mths

≥ 0

2. Date Range (Results) Tab (Top Filter)

- <12 mths

Filter

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

Date Range for Last Recorded Result or Event

The date range selected will filter out results or events that are not within the selected period and treat them as not recorded. This filter is not applicable to graphs that display time periods.

Use for:

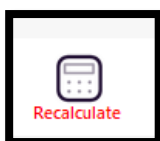
- Measurements
- Pathology
- MBS Items
- Maternal Health (birth date/weight)
- Visit Types
- Digital Health (SHS/ES uploads)
- Smoking/Alcohol
- Influenza
- Cervical Screenings
- FOBT
- DEXA
- COVID-19

All ≤ 6 mths ≤ 12 mths ≤ 15 mths ≤ 24 mths

Date Range (from - to)

01/01/2021 to 01/01/2021

3. Recalculate (Top Right-Hand Corner)



4. Demographics Tab (Bottom Filter)

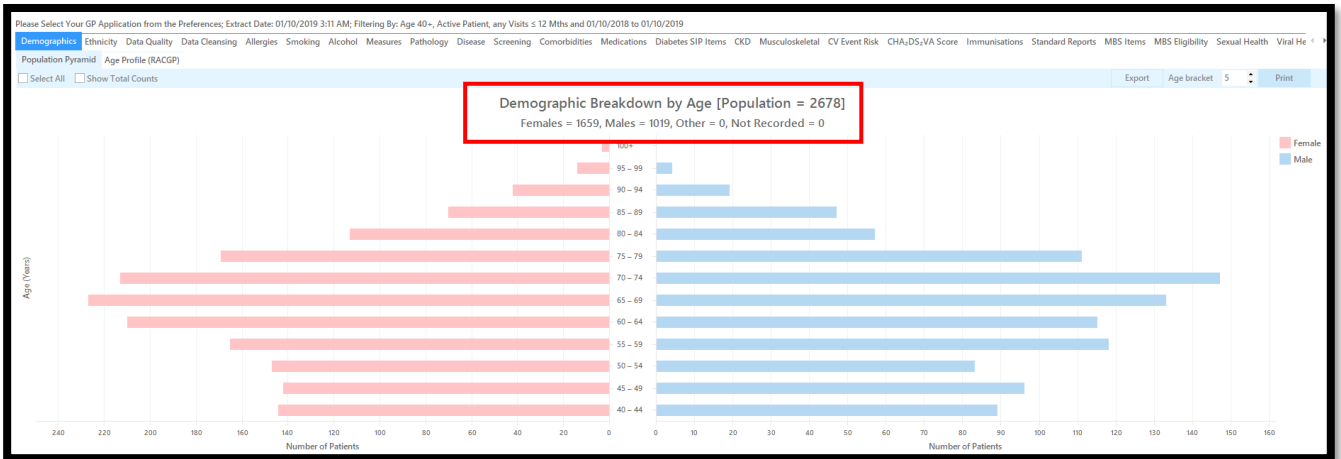
- Population Pyramid Tab

Please Select Your GP Application from the Preferences; Extract Date: 01/10/2019 3:11 AM; Filtering By: Age 40+, Active Patient

Demographics Ethnicity Data Quality Data Cleansing Allergies Smoking Alcohol Measures Pathology Disease

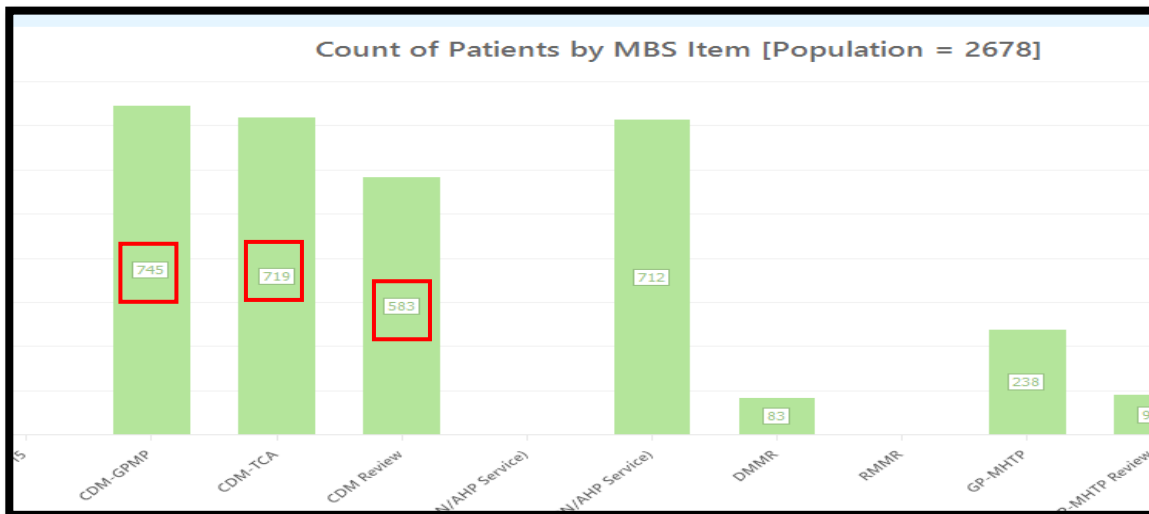
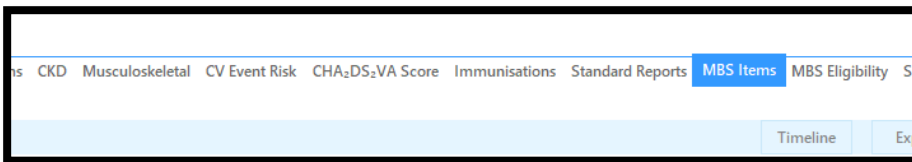
Population Pyramid Age Profile (RACGP)

Select All Show Total Counts



*The demographic breakdown will provide the total number of RACGP active patients over the age of 40 years old.

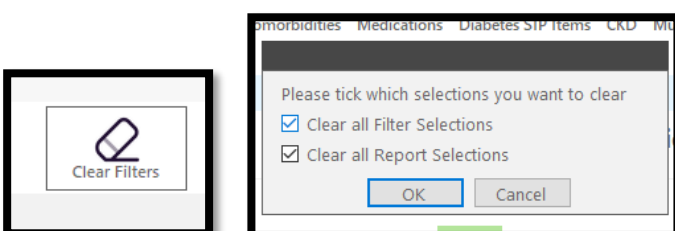
5. MBS Items Tab (Bottom Filter)



* The graph will provide you with the number of RACGP active patients, 40 years and older, who have had a GPMP, TCA or GPMP Review in the last 12 months.

IMPORTANT REMINDER

Please remember to clear your filter selection after each report. This button is in the top right-hand corner.



Diabetes (unknown, Type 1, Type 2)

The number of RACGP active patients with diabetes (unknown, type 1, type 2) who have had a GPMP, TCA or GPMP review in the last 12 months.

1. General Tab (Top Filter)

- Activity: Active (3x in 2 yrs)

The screenshot shows the 'General' filter tab. Under the 'Activity' section, the 'Active (3x in 2 yrs)' radio button is selected and highlighted with a red box. Other options include 'Any' and 'Not Active'. There are also dropdown menus for 'Visits in last 6 mths' and date range filters.

2. Date Range (Results) Tab (Top Filter)

- <12 mths

The screenshot shows the 'Date Range (Results)' filter tab. The '< 12 mths' radio button is selected and highlighted with a red box. Other options include 'All', '< 6 mths', 'Date Range (from - to)', '< 15 mths', and '< 24 mths'. There are also date range dropdowns and a list of categories to filter by.

3. Conditions Tab (Top Filter)

- Diabetes: Yes

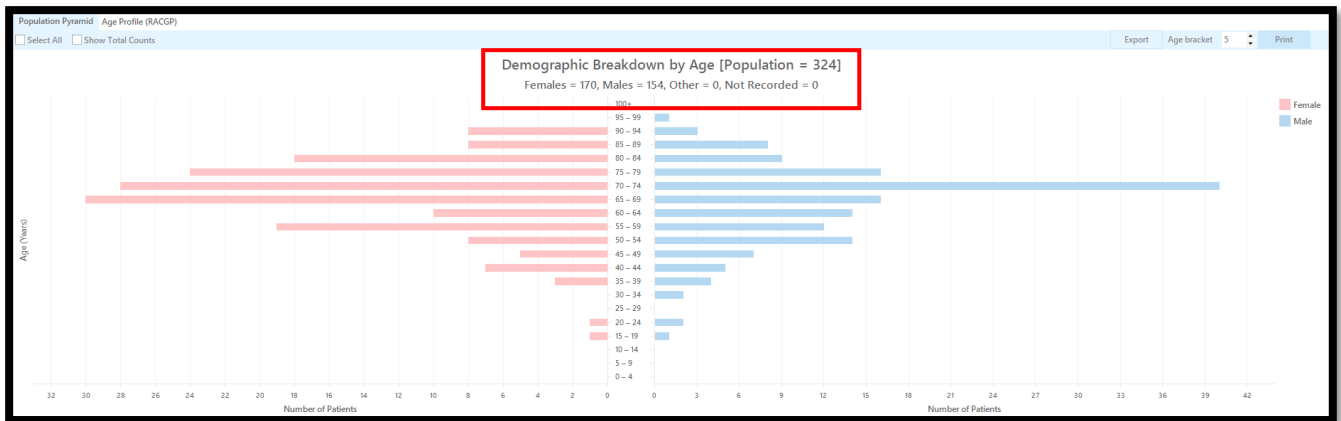
The screenshot shows the 'Conditions' filter tab. Under the 'Diabetes' section, the 'Yes' checkbox is checked. There are also checkboxes for 'Gestational' and 'No'.

4. Recalculate (Top Right-Hand Corner)



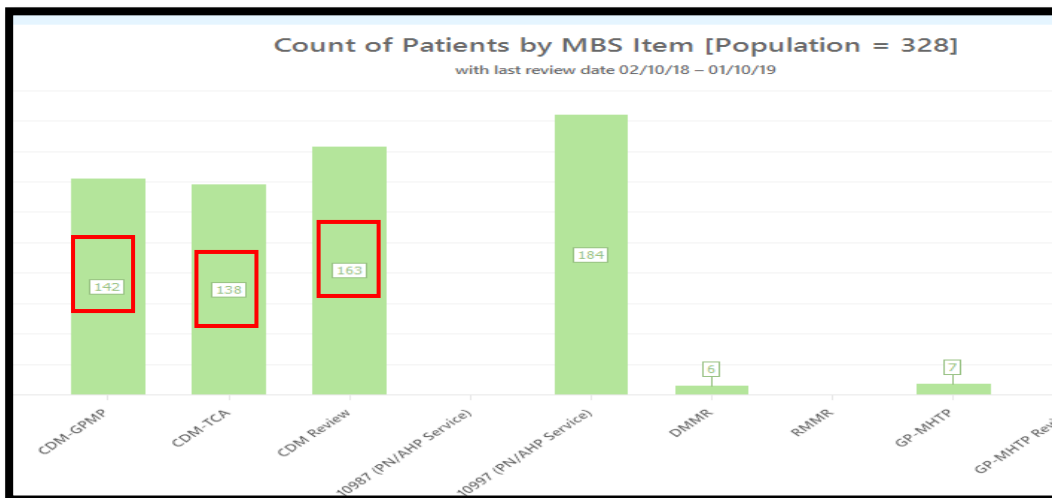
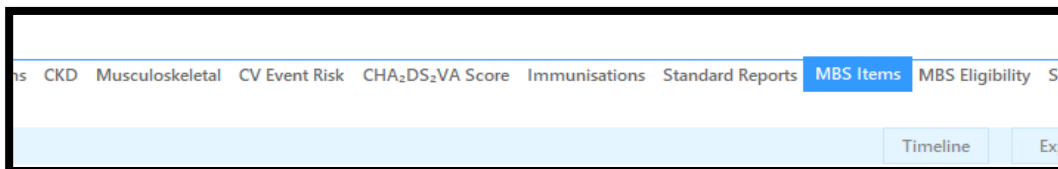
5. Demographics Tab (Bottom Filter)

- Population Pyramid Tab



*The graph will provide you with the number of RACGP active patients with diabetes.

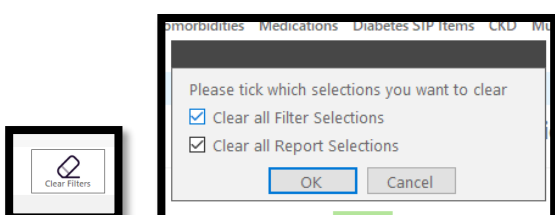
6. MBS Items Tab (Bottom Filter)



* The graph will provide you with the number of RACGP active patients, with diabetes, who have had a GPMP, TCA or GPMP Review in the last 12 months.

IMPORTANT REMINDER

Please remember to clear your filter selection after each report. This button is in the top right-hand corner.



Hypertension

The number of RACGP active patients with hypertension who have had a GPMP, TCA or GPMP review in the last 12 months.

1. General Tab (Top Filter)

- Activity: Active (3x in 2 yrs)

The screenshot shows the 'General' tab selected in the top filter. The 'Activity' section is highlighted with a red box. The 'Activity' section includes radio buttons for 'Any', 'Active (3x in 2 yrs)', and 'Not Active'. The 'Active (3x in 2 yrs)' option is selected. Below the radio buttons, there is a dropdown menu for 'Visits in last 6 mths' with a value of '0'.

2. Date Range (Results) Tab (Top Filter)

- <12 mths

The screenshot shows the 'Date Range (Results)' tab selected in the top filter. The '< 12 mths' option is highlighted with a red box. The 'Date Range (Results)' section includes radio buttons for 'All', '< 6 mths', '< 12 mths', '< 15 mths', and '< 24 mths'. The '< 12 mths' option is selected. Below the radio buttons, there is a dropdown menu for 'Date Range (from - to)' with a value of '01/01/2021'.

3. Conditions Tab (Top Filter)

- Cardiovascular: Hypertension

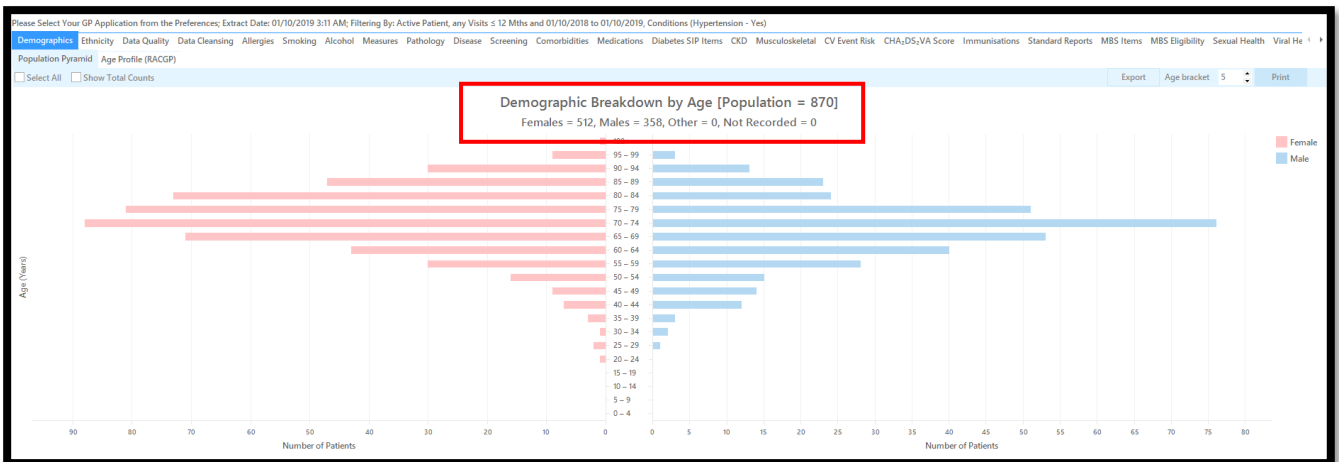
The screenshot shows the 'Conditions' tab selected in the top filter. The 'Cardiovascular' section is highlighted with a red box. The 'Cardiovascular' section includes checkboxes for 'Yes' and 'No' for 'Hypertension', 'Cardiovascular Disease (CVD)', 'Heart Failure', 'CHD', 'Stroke', and 'MI'. The 'Hypertension' checkbox is checked.

4. Recalculate (Top Right-Hand Corner)



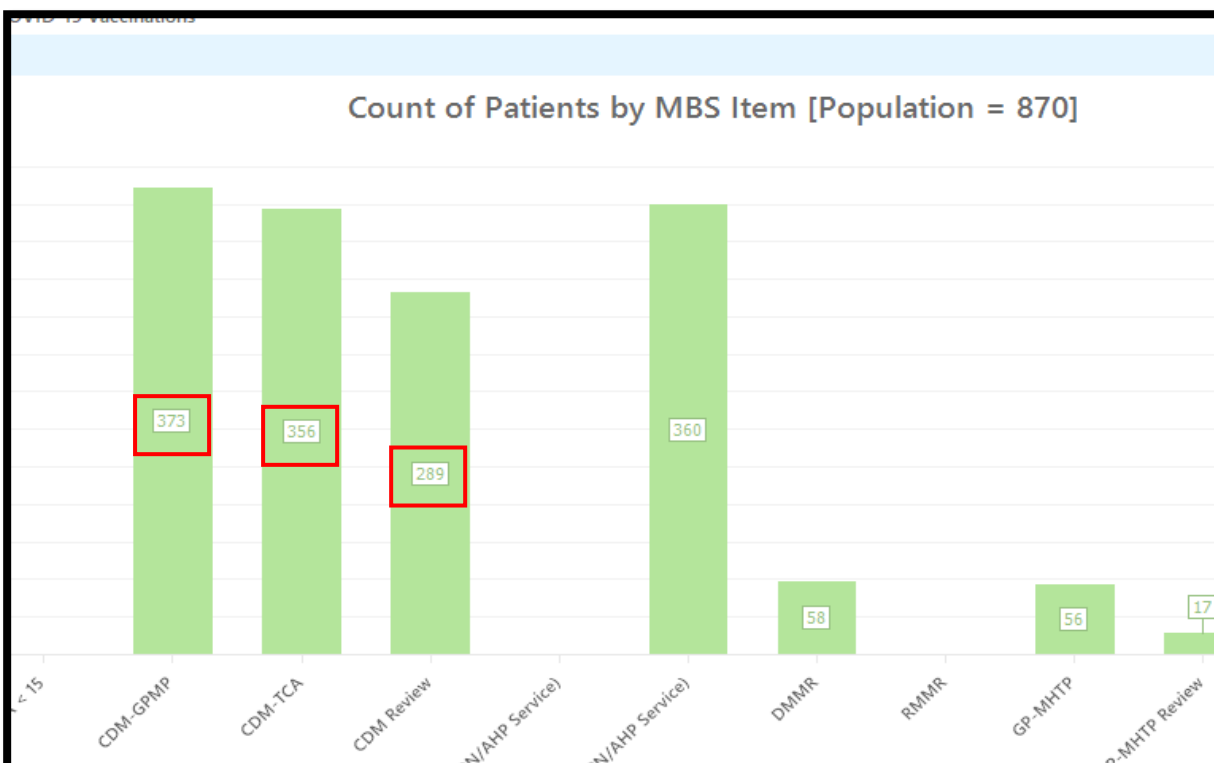
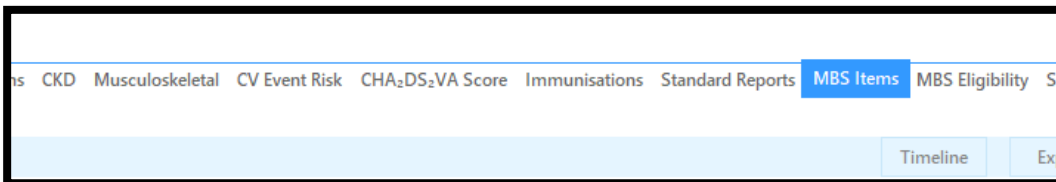
5. Demographics Tab (Bottom Filter)

- Population Pyramid Tab



*The graph will provide you with the number of RACGP active patients with hypertension.

6. MBS Items Tab (Bottom Filter)



* The graph will provide you with the number of RACGP active patients, with hypertension, who have had a GPMP, TCA or GPMP Review in the last 12 months.

IMPORTANT REMINDER

Please remember to clear your filter selection after each report. This button is in the top right-hand corner.

Aboriginal or Torres Strait Islander

The number of RACGP active patients who identify as Aboriginal or Torres Strait Islander.

1. General Tab (Top Filter)

- Activity: Active (3x in 2 yrs)

The screenshot shows the 'General' filter tab. Under the 'Activity' section, the radio button for 'Active (3x in 2 yrs)' is selected and highlighted with a red box. Other options include 'Any', 'Not Active', and 'Visits in last 6 mths' with a dropdown set to '0'.

2. Date Range (Results) Tab (Top Filter)

- <12 mths

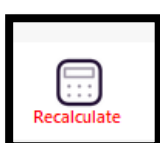
The screenshot shows the 'Date Range (Results)' filter tab. The radio button for '< 12 mths' is selected and highlighted with a red box. Other options include 'All', '< 6 mths', '< 15 mths', and '< 24 mths'. Below the radio buttons are date range dropdowns set to '01/01/2021'.

3. Ethnicity Tab (Top Filter)

- Indigenous Status: Indigenous

The screenshot shows the 'Ethnicity' filter tab. Under 'Indigenous Status', the checkbox for 'Indigenous' is checked. To the right, under 'Other Ethnicities', a list of ethnicities is shown, with 'Afghan' selected and highlighted.

4. Recalculate (Top Right-Hand Corner)



5. Demographics Tab (Bottom Filter)

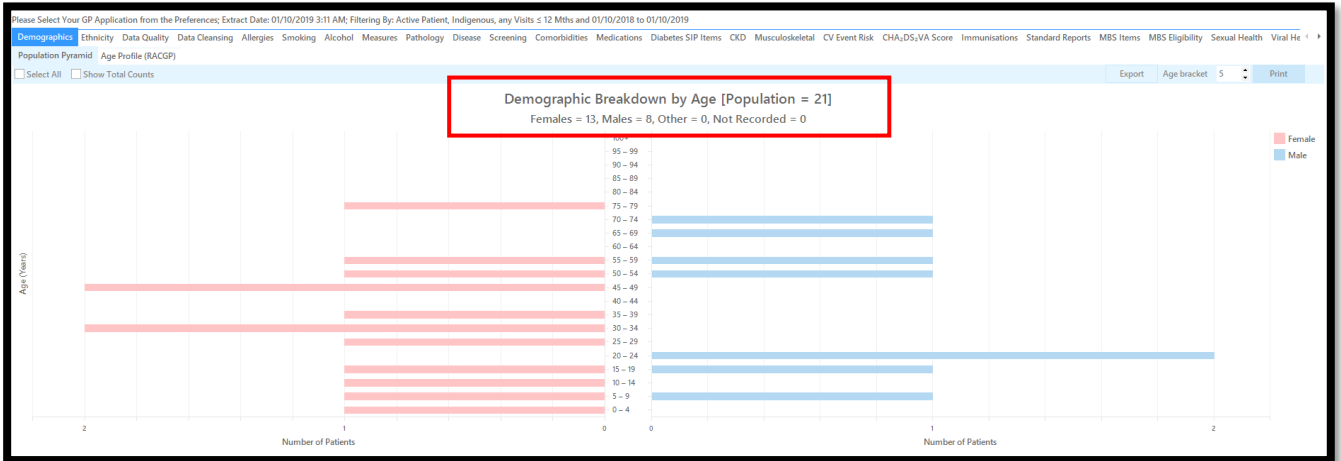
- Population Pyramid Tab

Please Select Your GP Application from the Preferences; Extract Date: 01/10/2019 3:11 AM; Filtering By: Age 40+, Active Patient

Demographics Ethnicity Data Quality Data Cleansing Allergies Smoking Alcohol Measures Pathology Disease

Population Pyramid Age Profile (RACGP)

Select All Show Total Counts

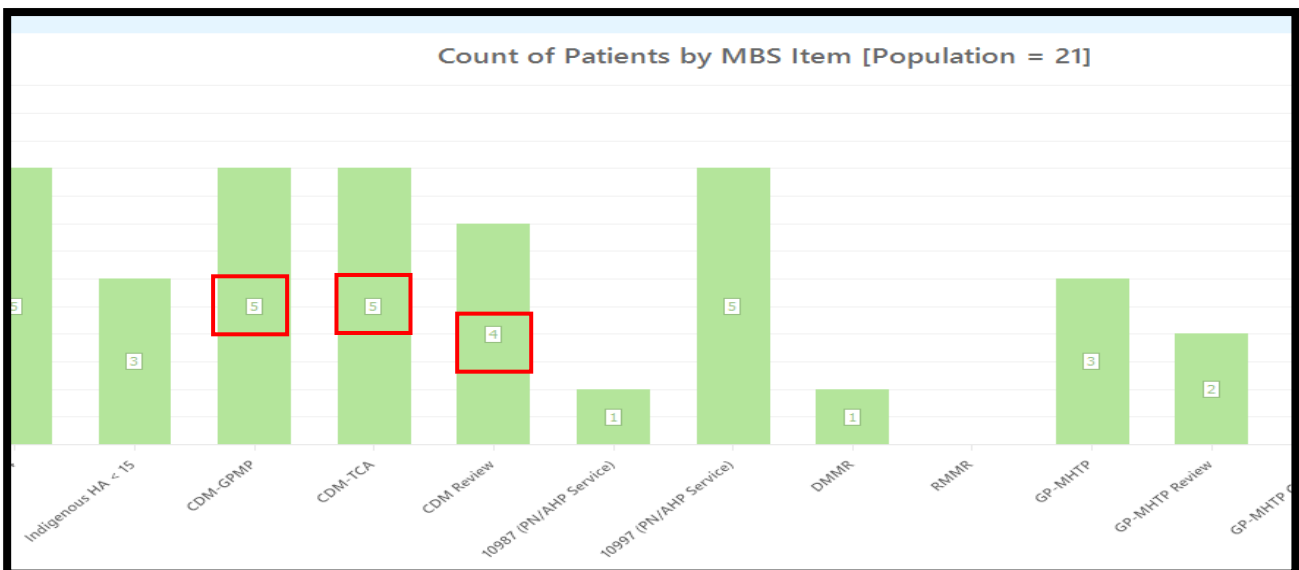


*The demographic breakdown will provide the total number of RACGP active patients who identify as Aboriginal or Torres Strait Islander.

6. MBS Items Tab (Bottom Filter)

CKD Musculoskeletal CV Event Risk CHA₂DS₂VA Score Immunisations Standard Reports MBS Items MBS Eligibility

Timeline Exp



*The demographic breakdown will provide the total number of RACGP active patients who identify as Aboriginal or Torres Strait Islander and have had a GPMP, TCA or GPMP Review in the last 12 months.

Smoking

The number of RACGP active patients who smoke and have had a GPMP, TCA or GPMP review in the last 12 months.

As the smoking status is sensitive to the date range restriction of 12 months, the data presented via this method may exclude patients whose smoking status has not been recorded in the last 12 months. To overcome this, use the MBS attendance field and remove the data range (results) restriction.

1. General Tab (Top Filter)

- Activity: Active (3x in 2 yrs)

The screenshot shows the 'General' tab of a filter interface. The 'Activity' section is highlighted with a red box, showing the following options:

- Any
- Active (3x in 2 yrs)
- Not Active

Below the 'Activity' section, there is a dropdown menu for 'Visits in last 6 mths' with a value of '0'.

2. Risk Factors Tab

- Substance Abuse: Smoking

The screenshot shows the 'Risk Factors' tab of a filter interface. The 'Substance Abuse' section is highlighted with a red box, showing the following options:

- Smoking
- Alcohol - Drinker
- Alcohol - Drinker High Risk **
- Medication/Drug abuse **

Other risk categories are listed on the right, including Pregnancy, Obesity, Transplant, and Fracture.

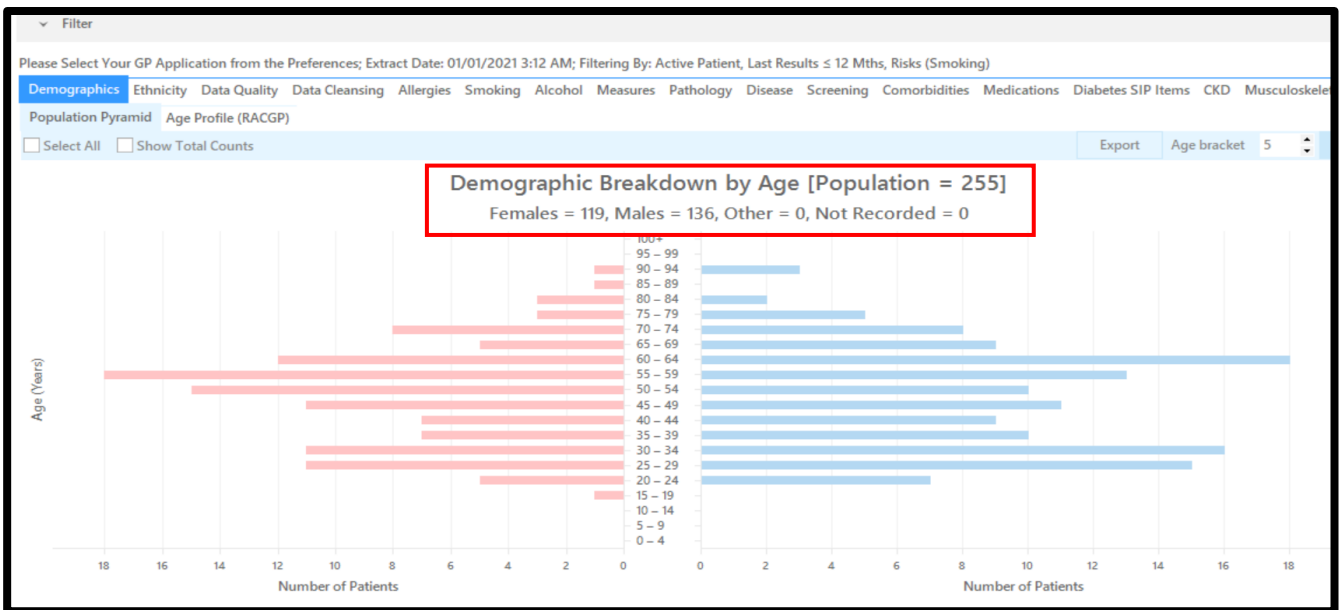
3. Recalculate (Top Right-Hand Corner)



4. Demographics Tab (Bottom Filter)

- Population Pyramid Tab

The screenshot shows the 'Demographics' tab of a filter interface. The 'Demographics' tab is highlighted, and the 'Population Pyramid' sub-tab is selected. The interface also shows a message: 'Please Select Your GP Application from the Preferences; Extract Date: 01/01/2021 3:12 AM; Filtering By: Active Patient, Last Results ≤ 12 Mths, Risks (Smoking)'. Below the tabs, there are checkboxes for 'Select All' and 'Show Total Counts'.



*The demographic breakdown will provide the total number of RACGP active patients who are smokers.

5. MBS Attendance

- < 12 months
- MBS Item Numbers (721, 723,732)
- Any of selected

Filter

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

Patient with selected MBS Item(s) in Date Range MBS Item Categories

Any None

Claim Date Range

All ≤ 6 Months

≤ 12 Months ≤ 24 Months

≤ 36 Months ≤ 48 Months

Data Range (from - to)

1/10/2019 1/10/2019

MBS Item Numbers

All of selected Any of selected

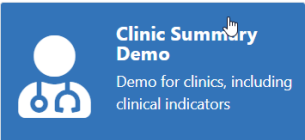
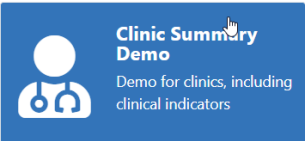

Clear Filter

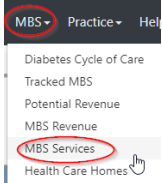
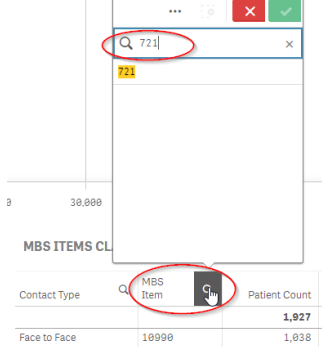
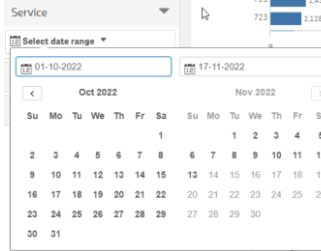

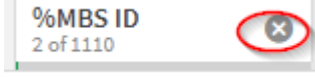
6. Recalculate (Top Right-Hand Corner)



This can only be done using live practice data and therefore the results cannot be demonstrated here.

Appendix 2: POLAR walkthroughs for baseline data collection

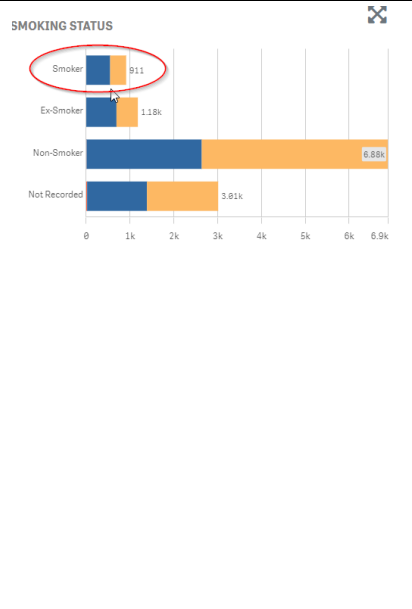
Embedding eye health into primary care POLAR data collection						TOTAL
Practice:						
Risk Factor Category Data: 40 years and older						
Baseline Total number of Active/RACGP Active patients in total.	Select Clinic Summary Report Tick the shortcut RACGP & Practice Active top right hand side. The number under patient count is your baseline data		RACGP & Practice Active Patients <i>CURRENTLY SELECTED</i> <input checked="" type="checkbox"/>	Double click to view list Patient Count 11,985 <small>11,985 Active</small>		Cell D9
Total Number of Active/RACGP Active patients aged 40 years and over	Select Clinic Summary Report Tick the shortcut RACGP & Practice Active top right hand side. Go to Patients/Patient s and select all patients over the age of 40 years.		RACGP & Practice Active Patients <i>CURRENTLY SELECTED</i> <input checked="" type="checkbox"/>		Double click to view list Patient Count 11,985 <small>11,985 Active</small>	Cell D10

<p>Total number of Active/RACGP patients 40 years and over who have had an item 721 or 92024 claimed in the last 12 months</p>	<p>Leave all the search filters on then go to MBS/MBS Services. In the table MBS Items Claimed in the Search under MBS Item type in 721 and confirm the selection Repeat to add item 92024. Then go to the calendar filter on the left hand side under service and select the last 12 months.</p>	 <p>MBS Services</p>	 <p>721</p> <table border="1"> <thead> <tr> <th>Contact Type</th> <th>MBS Item</th> <th>Patient Count</th> </tr> </thead> <tbody> <tr> <td>Face to Face</td> <td>10990</td> <td>1,038</td> </tr> </tbody> </table>	Contact Type	MBS Item	Patient Count	Face to Face	10990	1,038	 <p>Service</p> <p>Double click to view list</p> <p>Patient Count</p> <p>11,985 <small>Active</small> 11,985</p>	<p>Cell E10</p>
Contact Type	MBS Item	Patient Count									
Face to Face	10990	1,038									
<p>Repeat for item 723 & 92025</p>	<p>Remove the filter %MBS ID only Leave the other filters on.</p>	 <p>%MBS ID 2 of 1110</p>	<p>Then repeat the MBS/MBS Items adding 723 and 92025 and confirm the selection</p>		<p>Cell F10</p>						
<p>Repeat for item 732,92028</p>	<p>Remove the filter %MBS ID Leave the other filters on.</p>	 <p>%MBS ID 2 of 1110</p>	<p>Then repeat the MBS/MBS Items adding 732, 92028 and confirm the selection</p>		<p>Cell G10</p>						

Risk Factor Category Data: Smoker

Total number of Active/RACGP Active patients who are current smokers

Remove all the filters except the **Active/RACGP Active** patient filters then go to **Patients/Risk Factors**. Select the **Smokers** from the **Smoking status** graph and confirm the selection. The number of patients under Patient Count is the number of patients who are Active/RACGP Active and are current smokers.

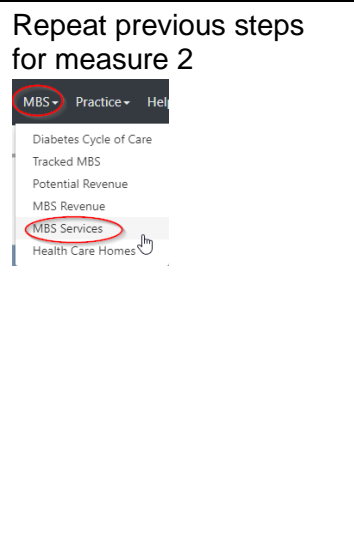


Double click to view list
Patient Count
911 911
Active

Cell D11

Total number of Patients who are smokers who have had an item 721 or 92024 in the last 12 months

Leave all the search filters on then go to **MBS/MBS Services**. In the table **MBS Items Claimed** in the Search under MBS Item type in 721 and confirm the selection. Repeat to add item 92024. Then go to the calendar filter on the left hand side under **service** and select the last 12 months.




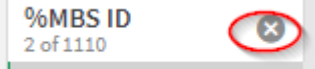
A screenshot of an 'MBS ITEMS CL' table. A search filter '721' is applied to the 'MBS Item' column. The table shows a 'Patient Count' of 1,927 for 'Face to Face' encounters.

Contact Type	MBS Item	Patient Count
Face to Face	10990	1,038
		1,927



Double click to view list
Patient Count
11,985 11,985
Active

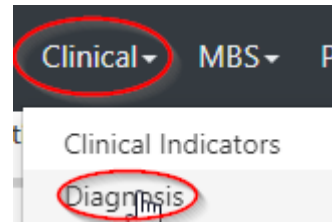
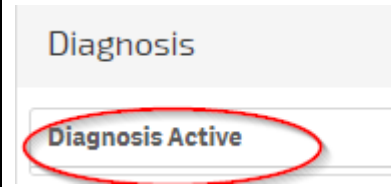
Cell E11

<p>Total number of patients who are smokers and have had an item 723 or 92025</p>	<p>Remove the filter %MBS ID Leave the other filters on. Repeat under MBS/MBS services adding item 723 and 92025</p>		<p>Then repeat the MBS/MBS Items adding 723 and 92025 and confirm the selection</p>			<p>Cell F11</p>
<p>Total number of patients who are smokers and have had an item 732 and 92028</p>	<p>Remove the %MBS ID and leave the other filters on. Repeat to add item 732 and 92028</p>		<p>Then repeat the MBS/MBS Items adding 732 and 92028 and confirm the selection</p>			<p>Cell G11</p>

Risk Factor Category Data: Diabetes (Unknown, Type 1, Type 2)

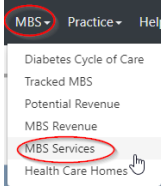
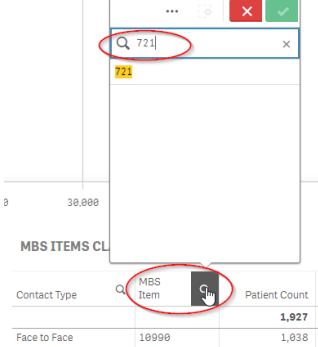
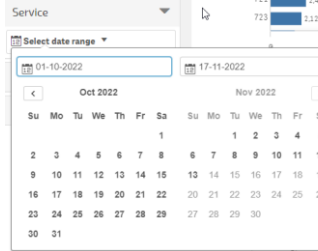
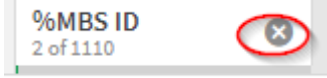
Total number of patients who are Active/RACGP Active who have a diagnosis of Diabetes Mellitus Type 1,2,unknown.

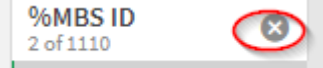
Remove all the filters except both the **RACGP/Active Patients** Filters. Select the **Diagnosis** filter on the left and then select **Diagnosis Active** and confirm the selection. From **Clinical** drop down list select **Diagnosis/Diagnosis Grouping** then select **Diabetes** and confirm the selection. The number under Patient Count is now all your RACGP Active/Active with an active diagnosis of Diabetes.

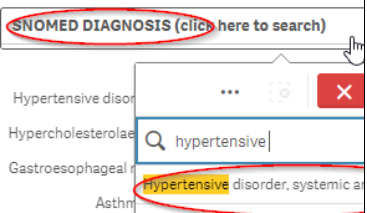
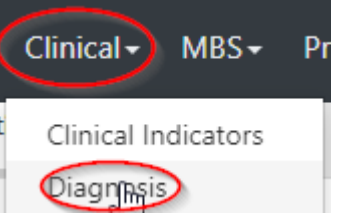


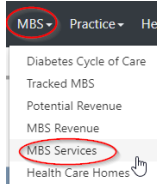
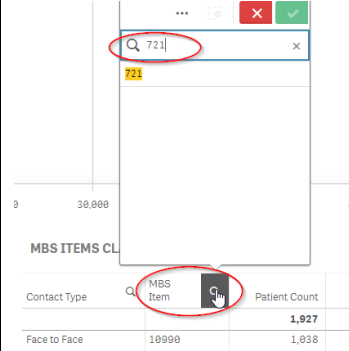
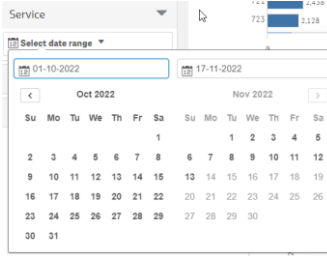
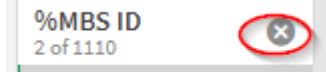
Patient Count
1,067
Active

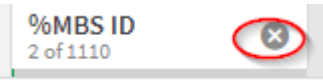
Cell D12

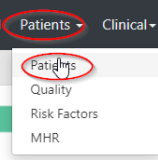
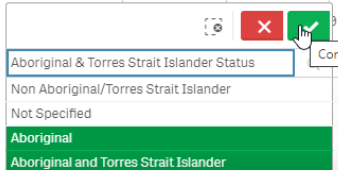
<p>Total number of patients who are Active/RACG P Active have an active diagnosis of <i>Diabetes Mellitus Type 1,2,unknown and have had an item 721, or 92024 in the last 12 months</i></p>	<p>Leave all the filters on then go to MBS/MBS Services In the table MBS Items Claimed in the Search under MBS Item type in 721 and confirm the selection Repeat to add item 92024. Then go to the calendar filter on the left hand side under service and select the last 12 months.</p>	 <p>A screenshot of a software menu with 'MBS Services' circled in red.</p>	 <p>A screenshot of a table with a search bar containing '721' and a table with columns 'Contact Type', 'MBS Item', and 'Patient Count'. The 'MBS Item' column has a dropdown arrow circled in red.</p>	 <p>A screenshot of a calendar filter showing 'Oct 2022' and 'Nov 2022' with a date range selected.</p>	<p>Double click to view list Patient Count 11,985 <small>11,985 Active</small></p>	<p>Cell E12</p>
<p>Total number of patients who are Active/RACG P Active have an active diagnosis of <i>Diabetes Mellitus Type 1,2,unknown and have had an item 723 or 92025 in the last 12 months</i></p>	<p>Remove the %MBS ID filter and leave the other filters on. Repeat to add item 723 and 92025</p>	 <p>A screenshot of a filter box labeled '%MBS ID 2 of 1110' with a red 'X' icon circled in red.</p>				<p>Cell F12</p>

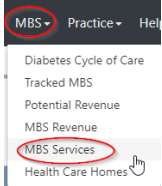
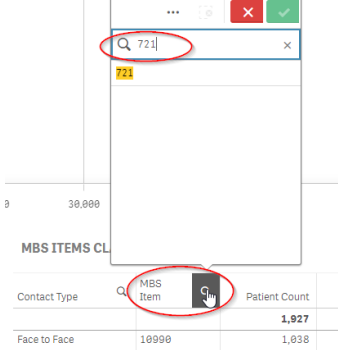
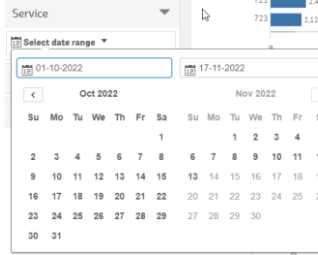
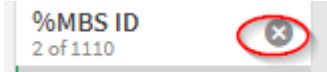
<p>Total number of patients who are Active/RACG P Active have an active diagnosis of <i>Diabetes Mellitus Type 1,2,unknown and have had an item 732 or 92028 in the last 12 months</i></p>	<p>Remove the %MBS ID filter and leave the other filters on. Repeat to add item 732 and 92028</p>				<p>Cell G12</p>
--	---	---	--	--	-----------------

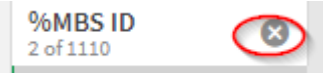
Risk Factor Category Data: Hypertension					
<p>Total number of patients who are Active/RACG P Active who have an active diagnosis of <i>Hypertension</i></p>	<p>Remove all the filters except keep the RACGP Active/Patient Active and Diagnosis Active Filters on. Under Clinical select Diagnosis under SNOMED Diagnosis and in the search put in Hypertensive Disorder and confirm the selection.</p>				<p>Cell D13</p>

	You now have the number of patients who are RACGP Active/Active and have an active diagnosis of Hypertension					
<i>Total number of patients who are Active/RACGP Active who have an active diagnosis of Hypertension and have had an item 721, or 92024 in the last 12 months</i>	Leave all the filters on then go to MBS/MBS Services In the table MBS Items Claimed in the Search under MBS Item type in 721 and confirm the selection Repeat to add item 92024. Then go to the calendar filter on the left hand side under service and select the last 12 months.				<p>Double click to view list</p> <p>Patient Count</p> <p>11,985 <small>11,985 Active</small></p>	E13
<i>Total number of patients who are Active/RACGP Active who have an active diagnosis of Hypertension and have had an item 723</i>	Remove the %MBS ID filter and leave the other filters on. Repeat to add item 723 and 92025					Cell F13

or 92025 in the last 12 months						
Total number of patients who are Active/RACGP P Active who have an active diagnosis of Hypertension and have had an item 732 or 92028 in the last 12 months	Remove the %MBS ID filter and leave the other filters on. Repeat to add item 732 and 92028					Cell G13

Risk Factor Category Data: Aboriginal and Torres Strait Islander						
Total Number of Active/RACGP Active patients who are Aboriginal or Torres Strait Islander or both	Leaving both the Active/RACGP Active filters remove all the other filters. Select the Patients drop down list and select patients. Go to the Aboriginal & Torres Strait Islander Status table on the right hand side select			Double click to view list Patient Count 29 ²⁹ Active		Cell D14

	<p>Aboriginal/Aboriginal and Torres Strait Islander and Torres Strait Islander and confirm the status.</p> <p>Patient Count is now all your Active/RACGP Active Aboriginal and Torres Strait Islander patients.</p>					
<p>Total Number of Active/RACGP Active patients who are Aboriginal or Torres Strait Islander or both who have had an item 721 or 92024 in the last 12 months</p>	<p>Leave all the filters on then go to MBS/MBS Services In the table MBS Items Claimed in the Search under MBS Item type in 721 and confirm the selection</p> <p>Repeat to add item 92024. Then go to the calendar filter on the left hand side under service and select the last 12 months.</p>				<p>Double click to view list</p> <p>Patient Count</p> <p>11,985 <small>11,985 Active</small></p>	<p>Cell E14</p>
<p>Total Number of Active/RACGP Active patients who are</p>	<p>Remove the %MBS ID filter and leave the other filters on.</p>					<p>Cell F14</p>

<p>Aboriginal or Torres Strait Islander or both who have had an item 723 or 92025</p>	<p>Repeat to add item 723 and 92025</p>					
<p>in the last 12 months Total Number of Active/ RACGP Active patients who are Aboriginal or Torres Strait Islander or both who have had an item 732 or 92028 in the last 12 months</p>	<p>Remove the %MBS ID filter and leave the other filters on. Repeat to add item 732 and 92028</p>					<p>Cell G14</p>