

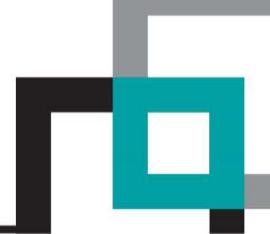


An Australian Government Initiative

# My Health Record Enablement

Presented by Katrina Otto Train IT Medical Pty Ltd www.trainitmedical.com.au

katrina@trainitmedical.com.au

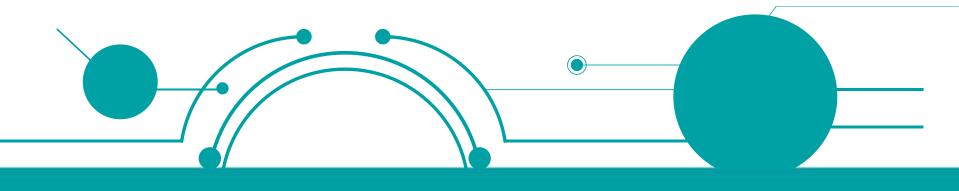


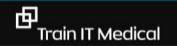
## Learning Objectives:

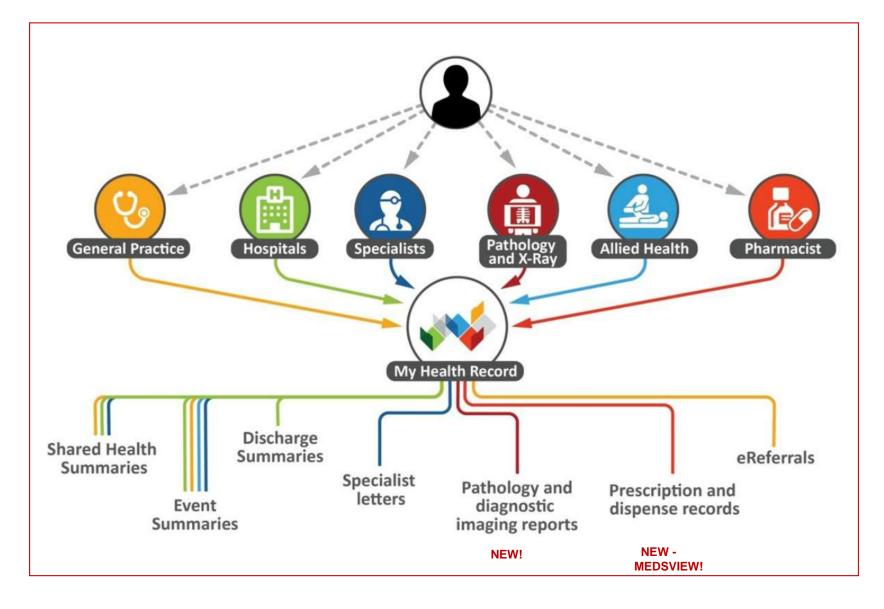
- 1. Use software as a tool for practice improvements and data analytics
- 2. Identify ways to ensure compliance with standards for essential demographic and clinical data entry.
- 3. Design a systematic approach to data quality improvements.
- Develop an understanding of new technologies and 3<sup>rd</sup> party tools available to patients and clinicians for improved sharing of quality clinical data.

# **"30%** of GPs have accessed a patient's health information through My Health Record that would not have otherwise been available to them.

RACGP, February 2019

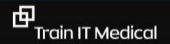






www.digitalhealth.gov.au

www.myhealthrecord.gov.au



# My Health Records Amendment (Strengthening Privacy) Bill 2018

These changes:

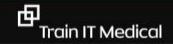
- Allow people to permanently delete their records.
- Prohibit by law access for insurance or employment purposes.
- Strengthen privacy for teenagers 14 years and over.
- Strengthen protections for people at risk of family and domestic violence.
- Require law enforcement and other government agencies to produce an order from a judicial officer to access information in a My Health Record.

Read more.

## **New Stronger My Health Record Privacy Laws**



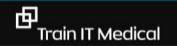
Watch the youtube your patients may see: <u>https://youtu.be/BusMRjuHlhk</u>





## "...use consistent coding of diagnoses.....so that continuous improvement of clinical care and patient outcomes can be achieved."





trainitmedical.com.au

## Past History List [coding]

Condition: Total knee replacement		Kanadaaad		
Total Kriee replacement		Keyword search	h Synonyr	ns
Condition	^	🗹 Left	Right	Bilateral
Total knee replacement Total knee replacement revision		Acute	Chronic	
rotal knoc replacement revision		Mild	Moderate	Severe
		Active	✓ Inactive	
		Provisional diag	jnosis	
		Fracture:		
		Displaced	Undisplaced	
		Compound	Comminuted	
	~	Spiral	Greenstick	
urther detail:				
Dr Mary Smith - St George Hospital		$\sim$	Send to My Hea	alth Record
			Confidential	
			Include in summ	naries

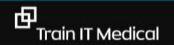
Only for chronic conditions & significant events

Significant active or inactive conditions



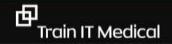


**Download the 'Data Quality' Checklist** 



_	<b>GP Consultation Checklist</b>	
W	ORKFLOW & MINIMUM CLINICIAN DATA ENTRY	
≻	Review previous consultation notes	
$\succ$	Review or collect history	
≻	Current Medications	
$\triangleright$	Recent side effects/allergies	
≻	Check Result/Documents and MARK AS NOTIFIED	
►	Examination & Management (enter all observations BP, pulse etc in correct fields)	
$\triangleright$	Findings/Diagnosis	
	Patient Education	
►	Add/Remove Recall or make next appointment	
►	Reason for contact	
►	MBS item/voucher	

Final step – do I need to update SHS and send to My Health Record?

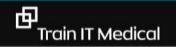


Standard 1.3 "Expect to Share"

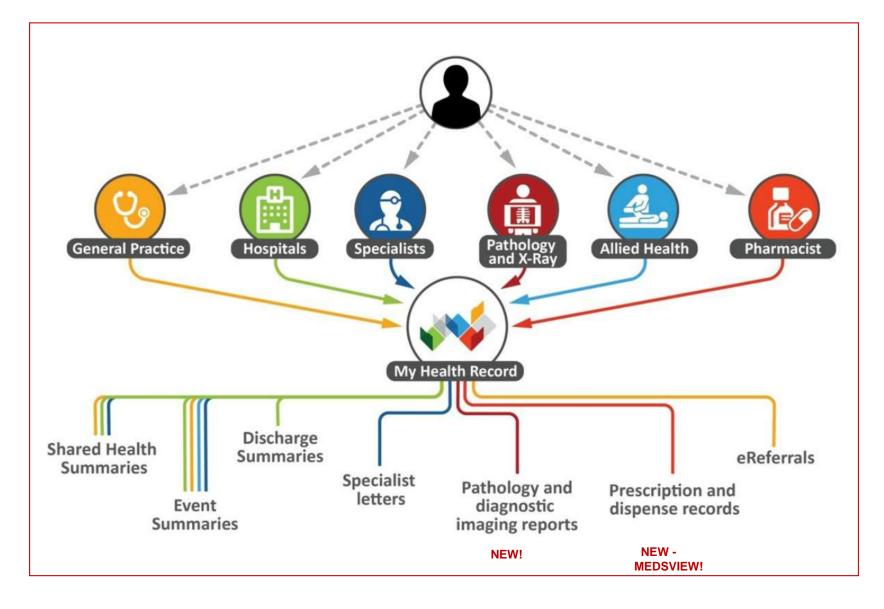
## "Health Professionals should expect to share their health information with colleagues and with patients to facilitate safe and effective health care"

RACGP Quality Health Records in Australian Primary Healthcare



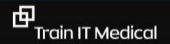


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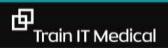
www.digitalhealth.gov.au

www.myhealthrecord.gov.au



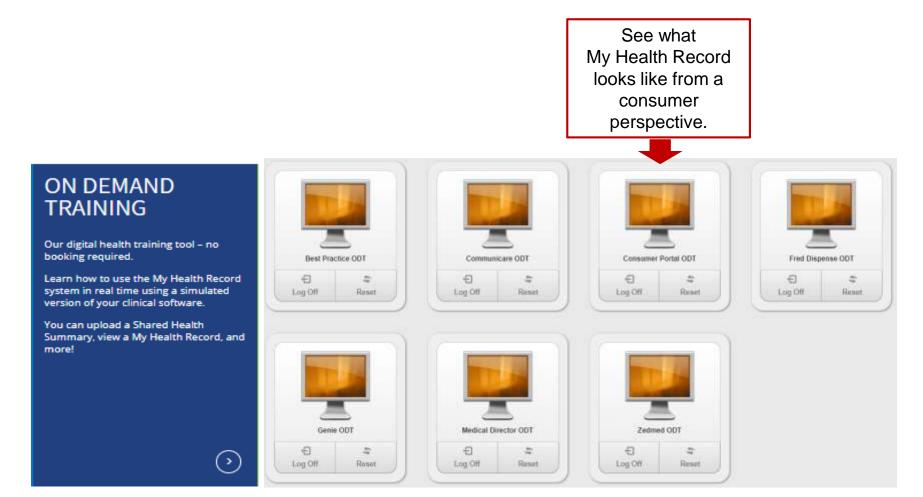
# **My Health Record**



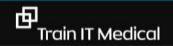




## Practise in the 'On Demand' test environment



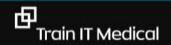
Go to On Demand Training Environnment



## Most of your patients will now have a My Health Record







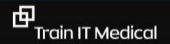
## View your patient's My Health Record

					0
					MedicalDirector
maries Tools Clinical Correspondence Assessr	ment Resou	rces Sidebar	MyHealt	hRecord Window	Help
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✓ DOB: 15/03/1979 Gender: Male	Occupation:				Om 10s
Ph:	Record No:		ATSI:	Aboriginal	
^	Pension No:		Ethnicity:	Australian Aboriginal	
~	Smoking Hx:	? Smoker	IHI No:	8003 6081 6669 0511	
		МуНеа	IthRecord:	Exists with access per	mission as of 26/02/2017

- O Exists requires access code as of DD/MM/YYYY: The patient has a My Health Record record but it requires an access code. The patient has setup the access code for his/her My Health Record.
- O Exists with access permission as of DD/MM/YYYY: The patient has a My Health Record record and you may access the patient's My Health Record.
- O Does not exist or not disclosed as of DD/MM/YYYY: The patient either does not have a My Health Record or the My Health Record record is hidden.
- O IHI not recorded as of DD/MM/YYYY: The patient does not have an IHI recorded.

## Access information eg Discharge Summary or Health Summary

					e Summary			
Mr Caleb DERR	INGTON	DoB 15 Jun 1	933 (81y)	SEX Male	ec 2014 IHI 8003 6080 00	04 5922		
				START OF	DOCUMENT			
Hospital								
uther	Dr. Chris Cr	aig (Specialist M	adical Drastiki	(anna)				
hone	5555-6666		elacal Practico	scier)				
Discharge To Discharge From	Other/Hom Orthopaedi							
	0.0000000000000000000000000000000000000	58694C						
Health Profi	le							
his section may c	ontain the fo	llowing subsecti	ons Adverse F	Reactions and Al	erts.			
Adverse P	eactions	(Health Profile > Ad	users Reactions					
		Friday of a rating of the	entral researchering					
	taras							
Adverse React					Manifestations			
	pent				Manifestations  • Urticaria			
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Adverse React Substance/Ag Phenoxymethy	pent						Þ	
Adverse React Substance/Ag Phenoxymethy Event his section may o plagnostic Investig	unt Ipenicilin ontain the fo	llowing subsection		/Diagnoses This		ions Performed 1	This Visit and Clinical	Synopsis and
Advarse React Substance/Ag Phenoxymethy Event his section may or plagnostic Investig Clinical Sy Pablent was bro Admitted for pir	ent ontain the fo gations. mopSis (p ought in follo n and plate s	wing a fall at ho urgery and reha	me, Upon exa bilitation for t	mination patien wo weeks befor	Urticaria Visit, Clinical Intervent t found to have mild co e discharge.			
Adverse React Substance/Ag Phenoxymethy Event his section may or lagnostic Investig Clinical Sy Patient was bro Admitted for pir	ent ontain the fo gations. mopSis (p ought in follo n and plate s	ant > Clinical Synop wing a fall at ho	me, Upon exa bilitation for t	mination patien wo weeks befor	Urticaria Visit, Clinical Intervent t found to have mild co e discharge.			
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Adverse React Substance/Ag Phenoxymethy ivent is section may o lagnostic Investig Clinical Sy Patient was bro Admitted for pin Problems/	ent ontain the fo gations. <b>mopsis</b> (E ought in follo n and plate s <b>/ Diagnos</b>	wing a fall at ho urgery and reha	me, Upon exa bilitation for t	mination patien wo weeks befor	Urticaria Visit, Clinical Intervent t found to have mild co e discharge. s Visit)	ncussion and a f		
Adverse React Substance/Ag Phenoxymethy Event his section may of iagnostic Investig Clinical Sy Patient was bro Admitted for pin Problems/ Type	ent denicilin ontain the fo pations. <b>mopsis</b> (e ought in follo n and plate s <b>/ Diagnos</b>	wing a fall at ho urgery and reha	me, Upon exa bilitation for t	mination patien wo weeks befor	Urticaria Visit, Clinical Intervent t found to have mild co e discharge. Notify Description	ncussion and a f		

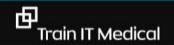


## Access information eg MBS info



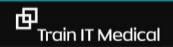
#### Medicare Services - MBS and DVA Items

Date	Number	Description	Service Provider	In Hospital?
26 Oct 2018 11:00+1100	0069333	Urine Examination	IAN CHAMBERS	No
26 Oct 2018 11:00+1100	0000023	CONSULTATION AT CONSULTING ROOMS - LEVEL 'B'.	CAROLINE ROGERS	No
19 Oct 2018 11:00+1100	0055113	M-MODE and 2 DIMENSIONAL real time Echocardiographic examination of the Heart from	GEORGE RUDAN	No
19 Oct 2018 11:00+1100	0010910	COMPREHENSIVE INITIAL CONSULTATION - PATIENT IS LESS THAN 65 YEARS OF AGE	COLLEEN SKIFFINGTON	No
18 Oct 2018 11:00+1100	0000036	CONSULTATION AT CONSULTING ROOMS - LEVEL 'C'.	CAROLINE ROGERS	No
18 Oct 2018 11:00+1100	0073070	HPV test for Cervical Screening - liquid based specimen.	IAN CHAMBERS	No



## **Privacy Controls and Patient View**

Assessment Agence May Health Record		BRIANNA CURTIN Born 20-May-1998	
RECORD HOME DOCUMENTS PRIVACY (	& ACCESS PROFILE & SETTINGS	Q SEARCH	C HELP
< Back			
Clinical Records			
These are documents with clinical information enter	red by healthcare providers in My Health Record		
Diagnostic Imaging Reports Imaging results, such as scans and x-rays	Discharge Summaries Records of hospital stays and any follow up	e-Referrals Referrals from one treating heat	thcare
	treatment required.	provider to another	
Event Summaries	Pathology Reports	Shared Health Summar	riec
Information about healthcare events or	Test results, such as blood tests.	Summaries of your health status	101012
Information about healthcare events or consultations	Test results, such as blood tests.	Summaries of your health status healthcare providers	adde



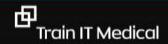
## My Health Record – Medicines Preview

eb DERRINGTON			22 Nov 2	ealth Record - sorted by Dat 017 8003 6080 0004 5922	te	
<u>Allergies and Advers</u> <u>Reactions</u> Penicillin, Penicillins	<u>se</u>	Medicines Pre 22-Nov-2017 (nov	() ••••••	Shared Health Summary 22-Nov-2017 (now) Author: Dr Terrance Walker <u>Own Organisation</u> tel:04555555555	No Discharge Summary found	Navigation panel Provides access to each section within the view and also to the most recent Shared Health Summary and Discharge Summary (if
[Back to top] Medicines Preview - La 22-Nov-2017 (now)	test Docum	istriist ients - sorted by des		<u>[&lt;&lt;] Previous</u>	[Help]	available). The blue underlined hyperlinks can be used to navigate between the
Source/Author	Date		Medicine - Active Ingredient(s)	Medicine - Brand	Directions	sections
Event Summary by <u>Own Organisation</u>	22-Nov-20 changed	)17 (now)	10 y	Monodur 120mg Tablet	1 Tablet Daily for 0	L
Shared Health Summary by <u>Own Organisation</u>	22-Nov-20	)17 (now)		Actonel EC 35mg Tablet	1 Tablet Once a week for 0	
				Avanza 30mg Tablet	1 Tablet Before bed for 0	
				Avapro HCT 300/12.5 300mg;12 Tablet	.5mg 1 Tablet Daily for 0	
				Crestor 20mg Tablet	1 Tablet Daily for 0	
				Madopar 200mg;50mg Tablet	1 Tablet Three times a day for 0	



## Pathology and Diagnostic Imaging included

)ocumentType:	All	~	Show last 3 month	is only	Update
Exclude Medic	are documents	Exclude prescription and disper	nse records 🛛 🗹 Exclude supersed	ed or removed documents	Reset
Current filter: Excl	uding Medicare do	cuments; Excluding prescription and	dispense records; Excluding supersed	led or removed records	
Document Date	Service Date	Document	Organisation	Organisation Type	
22/11/2017		Medicines View		Local Government Healthcare A	dministration
22/11/2017		Event Summary	Medical Center	Local Government Healthcare A	dministration
22/11/2017		Shared Health Summary	Medical Center	Local Government Healthcare A	dministration.
03/04/2017		Shared Health Summary	Medical Center	General Practice	
03/04/2017		e-Referral	Medical Center	General Practice	
03/04/2017		Specialist Letter	Medical Center	General Practice	
03/04/2017		Discharge Summary	Medical Center	General Practice	
27/03/2017		Pathology Report	Sullivan Nicolaides Pathology	Pathology and Diagnostic Imagir	ng Services
27/03/2017		Diagnostic Imaging Report	Imaging Queensland	Pathology and Diagnostic Imagir	ng Services
17/03/2017		Diagnostic Imaging Report	Wesley Medical Imaging	Pathology and Diagnostic Imagir	ng Services
17/03/2017		Pathology Report	Mater Pathology	Pathology and Diagnostic Imagir	ng Services
10/03/2017		Pathology Report	Pathology Queensland	Pathology and Diagnostic Imagir	ng Services
10/03/2017		Diagnostic Imaging Report	Brisbane Diagnostics	Pathology and Diagnostic Imagir	ng Services
01/03/2017		Diagnostic Imaging Report	Queensland Diagnostic Imaging	Pathology and Diagnostic Imagir	ng Services
01/03/2017		Pathology Report	QML Pathology	Pathology and Diagnostic Imagir	ng Services



## Prepare for patients seeing their own results

Now might be a good time to start to explain to your patients:

- doctors will still receive results first. Detail your practice process for follow-up.
- just because a result is marked red/'abnormal'/outside the value range doesn't mean the result is not normal for them.
- just because a result is marked 'normal' doesn't mean further discussion or investigations are not necessary.
- patients can let the doctor know if they do not want a specific result uploaded to their My Health Record.

D. Our practice team can describe how patients are advised of the process for the follow up of results.

E. Our practice team can describe how we follow up and recall patients with clinically significant tests and results. Factsheet: Pathology Reports for Clinicians

#### www.racgp.org.au

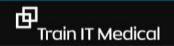
## Quality patient information



https://www.labtestsonline.org.au



https://www.insideradiology.com.au/

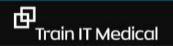


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## Apps that connect to My Health Record:



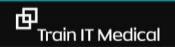
https://myhealthrecord.gov.au/internet/mhr/publishing.nsf/Content/appconnect



# Accreditation: Second Contraction Contract

Criterion QI1.1 – Quality improvement activities Indicators QI1.1 A Our practice has at least one team member who has the primary responsibility for leading our quality improvement systems and processes. QI1.1>B Our practice team internally shares information about guality improvement and patient safety. QI1.1 C Our practice seeks feedback from the team about our quality improvement systems and the performance of these systems. QI1.1>D Our practice team can describe areas of our practice that we have improved in the past three years.

https://www.racgp.org.au/download/Documents/Standards/5th%20Edition/racgp-standards-forgeneral-practices-5th-edition.pdf



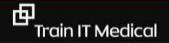
Evidence has shown that quality improvement activities lead to positive change in practices, particularly when a whole practice team approach is adopted.

## **Accreditation Compliance**



#### Data Quality Report Card ie Allergies, Smoking Status etc

🄇 Pen	CS CAT4 - Cle	ansing CAT										
File	Edit View	Tools	Data Submission	Prompts	Help							
Colle	View ect Extrac	ts View F	Report		Dashboard CATA	Cleansing Re	gistrar CAT					
Data (	Cleansing											
Missi	ng Demographi	cs Missing	Clinical/Accreditatio	on Items Indica	ted CKD with no dia	gnosis Indicated Diab	etes with no diagnosis	Indicated Mental H	ealth with no diagno:	sis Indicated COPE	) with no diagnosis	Medication Review
Doub	le-click a patier	nt to open it ir	n your clinical system		ed) Page	No. Go	Prev Pag	ge Next Page				
	Surname	Fi		Date of Birth	Sex	Allergies	Height	Weight	Alcohol	Smoking	Assigned Provider	
	Sumame	Firs	tname_1442 12	2/02/1955	М	Recorded	171.5	115		Ex smoker	Sumame	
	Sumame	Firs	tname_184 12	2/02/1934	F	NKA	152	102.9		Smoker	Sumame	
	Sumame	Firs	tname_385 12	2/02/1941	F	Recorded	166.5	100		Ex smoker	Sumame	
	Sumame	Firs	tname_858 12	2/02/1949	м	Recorded	182	88		Never smoked	Sumame	

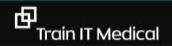


## **Create an Improvement Culture**

## **Example of coding improvement activity:**

- Generate Data Quality Dashboard in data extraction tool e.g. POLAR for individual providers (evidence based approach showing real data rather than assumption).
- Create QI/PDSA to support Quality Improvement Activity (and prepare for QIPIP)

Allergies and adverse reactions	89.24%
Medicines	48.03%
Medical History	88.56%
Health Risk Factors	68.34%
Immunisations	64.45%
Relevant Family History	54.30%
Relevant Social History	93.52%
Non-Duplicate Patients	99.22%



## PDSA/QI sample related to clinical coding

What is o (what are we tryir		<ul> <li>Raise Awareness of Clinical Coding</li> <li>Code diagnoses</li> <li>Enter reason for visit</li> <li>Enter for reason for medication</li> <li>Maintain updated allergy detail</li> </ul>						
What measures wi	What measures will we use? (i.e. data) What ideas can we use? (how are we going to achieve our goal)		Data Extradition Tools e.g. Pen CAT					
		List ideas here to work on in table below Start a Quality improvement folder Team meeting Attend education e.g. webinars / face to face sessions Post-education follow-up team discussion GP & RN team review of clinical documentation (opportunistic or planned) Pen CAT / Polar Data Quality Audit						
IDEAS	<b>PLAN</b> How will we do it – who, what, where and when?	<b>DO</b> Did we do it	<b>STUDY</b> What happened?	<b>ACT</b> What is our next step?				
1.								
2.								
3.								
4.								
5.								

### Measuring progress towards the goal

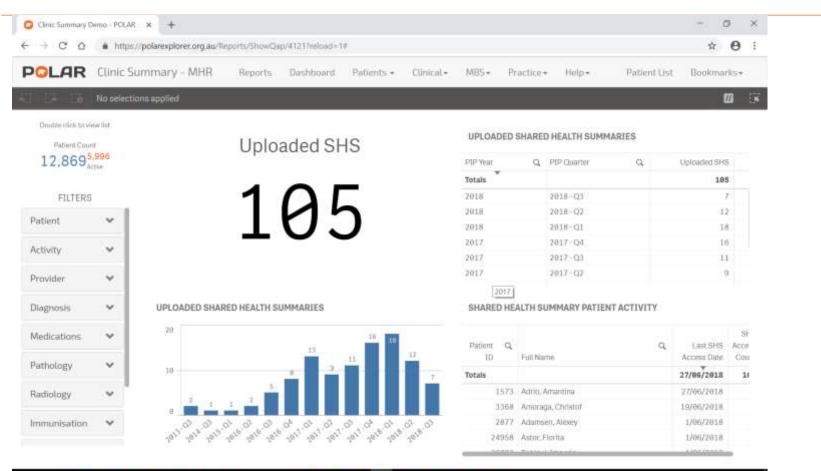
To measure the effectiveness of improvement activities it will be helpful to use available data analysis tools to track results and progress towards the goal of increased coding of clinical data.





## My Health Record Report



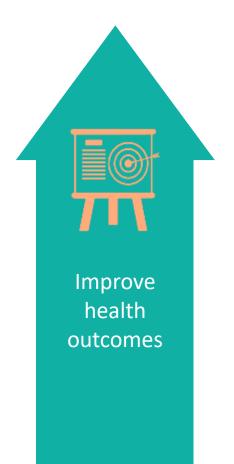


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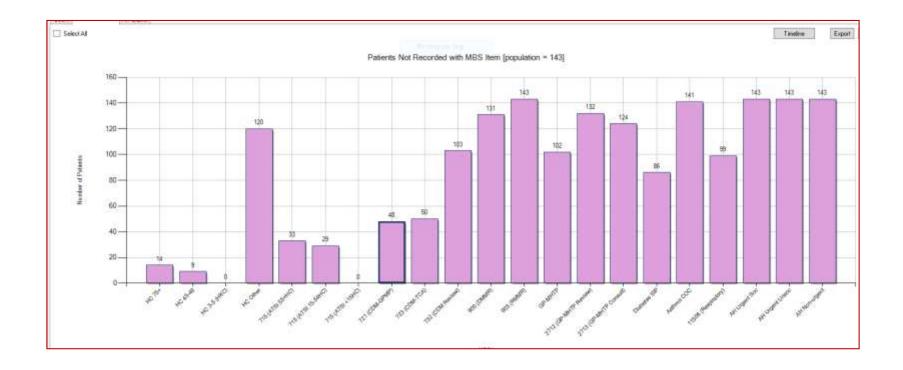
## **Data Improvements**

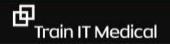
- ✓ Aboriginal and Torres Strait Islander health
- ✓ Smoking status
- ✓ Alcohol
- ✓ BMI
- ✓ Blood Pressure
- ✓ Kidney function test recorded
- ✓ Diabetes
  - HbA1C
- ✓ ACR
- ✓ Cardiovascular Disease
- ✓ Chronic Kidney Disease
   eGFR
- ✓ GPMP and TCAs
- ✓ Cervical Screening



## **Business Process Improvements**

#### Identify all patients with a chronic condition without a GP Management Plan



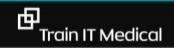


	Whole Practice	GP 1	GP 2	GP 3	GP 4	GP 5	GP 6	GP 7	GP 8	GP 9
1. Allergy Recorded										
Total population	13697	2488	1996	921	1718	1839	936	604	686	43
Nothing recorded	28.8%	16.4	36.5	28.1	51.2	9.4	21.5	24.3	4.1	30.2
Active population	9576	1866	1628	684	1192	1445	795	397	514	30
Nothing recorded	17.7	29.5	28.5	19.7	39.9	4.2	13.8	14.9	01.0	10.0
2. Gender not recorded										
Total population	141	28	11	13	21	6	12	5	6	0
Active population	35	5	2	3	11	2	7	0	3	0
3. Smoking – nothing recorded										
Active population over 16 (Active (3x > 2 years)	27%	15.7	63.9	60.4	76.4	11.5	44.6	41.0	21.2	39.7
4. Recording of ATSI patients										
Total population	0	0	0	1	0	0	0	0	0	0
Active population (Active (3x > 2 years)	1	0	0	1	0	0	0	0	0	0
5. Diabetes Prevalence										
Total population	3.5%	2.9	2.8	1.4	8.8	5.1	2.5	1.2	4.2	4.7
Active population (Active (3x > 2 years)	4.6%	3.8	3.2	1.9	11.7	6.2	2.9	1.8	5.5	6.7
Diabetics 65+, 8+ medications Diabetics 65+, 5+ medications	60.9 % 90.9%	61.4 88.7	74.2% 93.6%	50% 83.4%	77.8% 92.9%	63.6% 90.8%	81.3% 100%	60% 80%	62.5% 75%	100% 100%
6. Diabetes "at risk" *				1						
40-49 year olds	94	5	2	3	0	12	2	1	2	0
50+ year olds	288	29	55	6	8	131	10	6	17	1

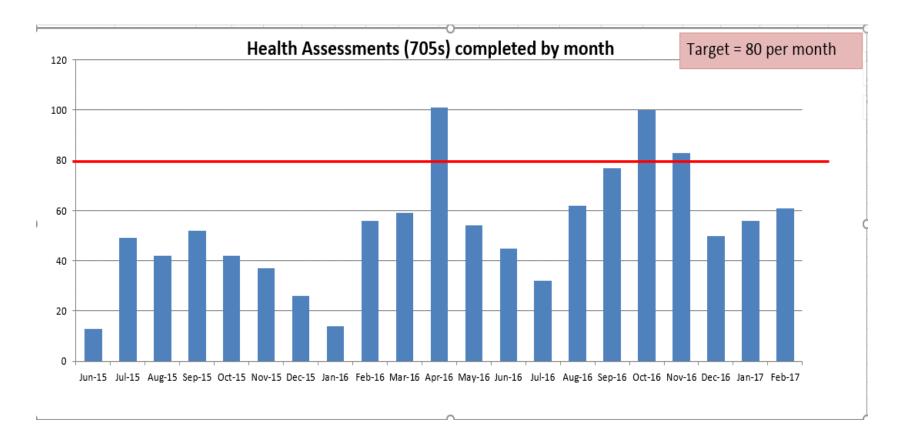
## How do you lead your team?



Practice Manager Champion Initiative: Sue & Greenmeadows Medical, Port Macquarie, NSW



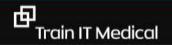
## Your KPIs – track performance



**Tips:** Encourage a team effort to achieve the goals by setting a target on the graph & place graph in the staff room/noticeboard to encourage a proactive approach.

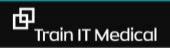
#### **MANAGING COMPLEX CHANGE**





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## **Extra Resources**

#### RACGP

RACGP Standards for General Practices 5<sup>th</sup> edition Using Data for Better Health Outcomes

#### **PIP eHealth Incentive**

#### Australian Digital Health Agency & My Health Record

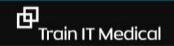
<u>New legislation</u> <u>My Health Record: Frequently Asked Questions</u> <u>Importance of Data Quality</u> <u>Data Cleansing & Clinical Coding</u> <u>Data Quality Checklist</u> <u>My Health Record Opt-out</u>

#### **Train IT Medical**

Data Aggregation using Pen Clinical Audit Tools (blog) Cancer Screening & Prevention – Free Resources (blog) 5 Steps to Data Quality Success (blog) Pen CAT4 summary sheet

#### Other

<u>CAT4 Recipes</u> <u>'A quality improvement tool for primary health care' Crossland, Upham, Janamian</u> and Jackson



# IT ALWAYS SEEMS IMPOSSIBLE UNTIL IT'S DONE. *CNelson Mandela*

## Thank you for inviting us

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## Keep in touch! With best wishes, Katrina Otto

