An example of providing EQA reports that become part of the participants quality management system

Tony Badrick

October 2022



The Royal College of Pathologists of Australasia Quality Assurance Programs

- 1. EQA role and cost
- 2. EQA and QC
- 3. EQA app
- 4. EQA and QMS



- 1. EQA role and cost
- 2. PoCT EQA and QC
- 3. PoCT EQA app
- 4. EQA and QMS

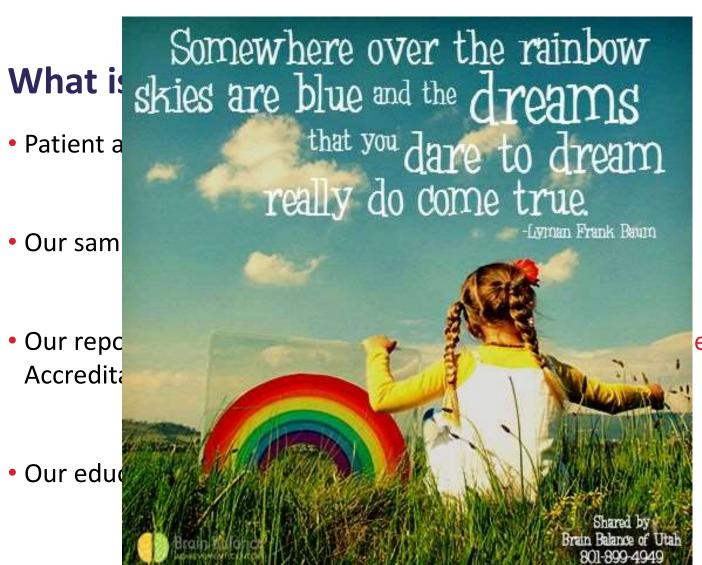


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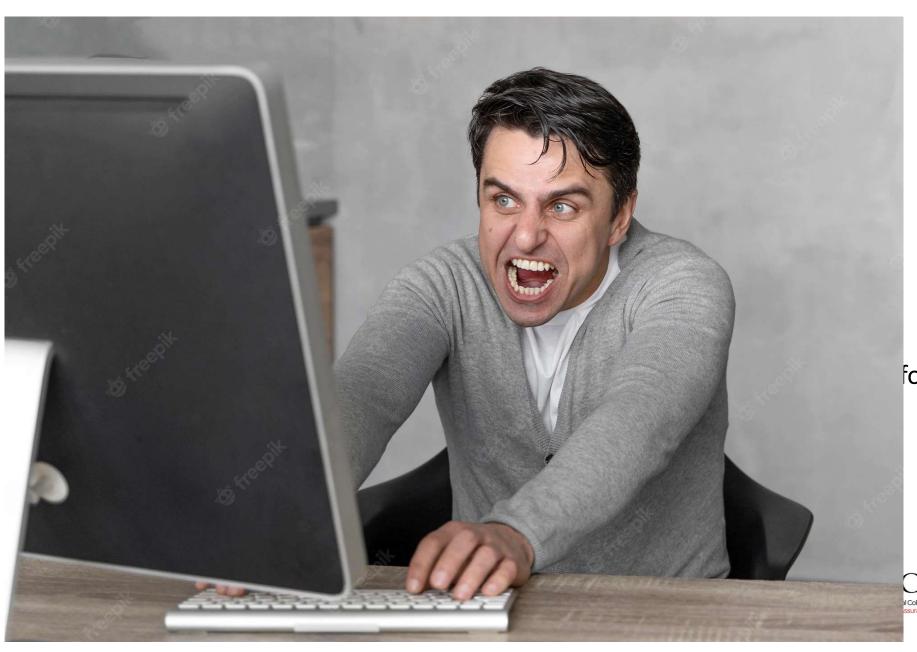
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ent safety, not Laboratory





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Position of EQA in the Laboratory

Laboratory Quality Management System eg ISO 15189

Quality Policy

Quality Assurance

All measures taken to assure quality

Other aspects of good laboratory practice

Quality Control

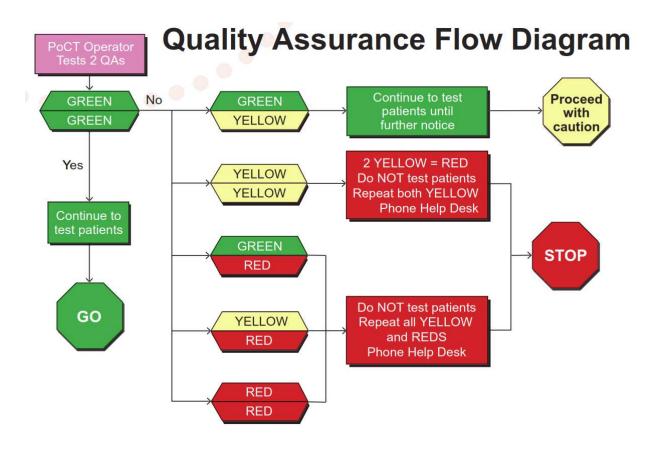
Internal Quality Control External Quality
Assurance



- 1. EQA role and cost
- 2. PoCT Trend EQA and QC
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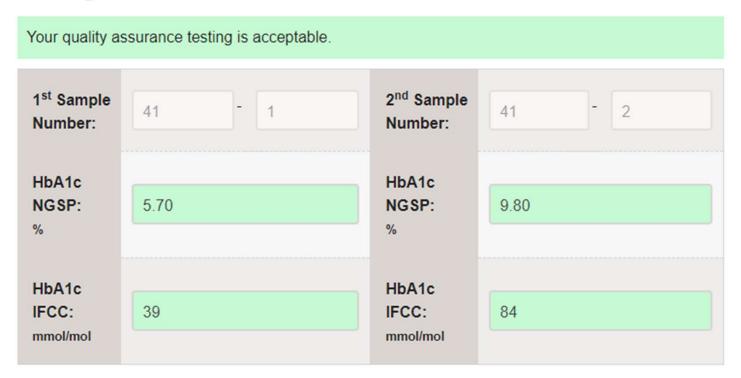
Real time feedback provided – Aboriginal Health PoCT EQA





In range "green" real-time feedback

haemoglobin a1c

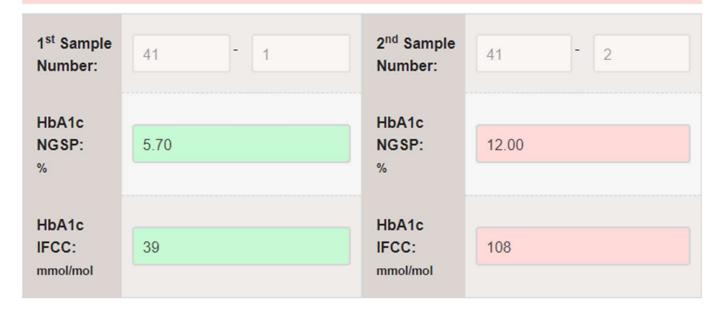




Red Flag real-time feedback

haemoglobin a1c

Your quality assurance testing requires further attention. **DO NOT test Patients.** Call the QAAMS Help Desk on 08 8201 7555.

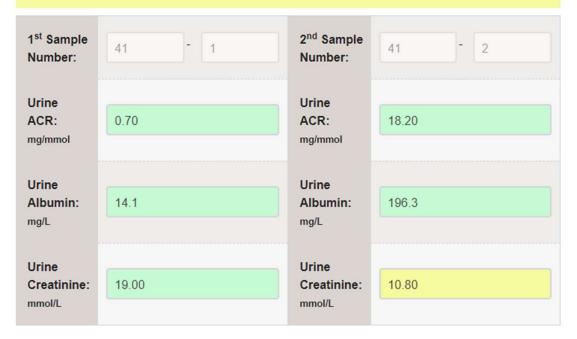




One "caution" real-time feedback

urine acr

You have at least 1 quality assurance result in the warning zone. You may proceed with caution and continue to test patients until further notice.

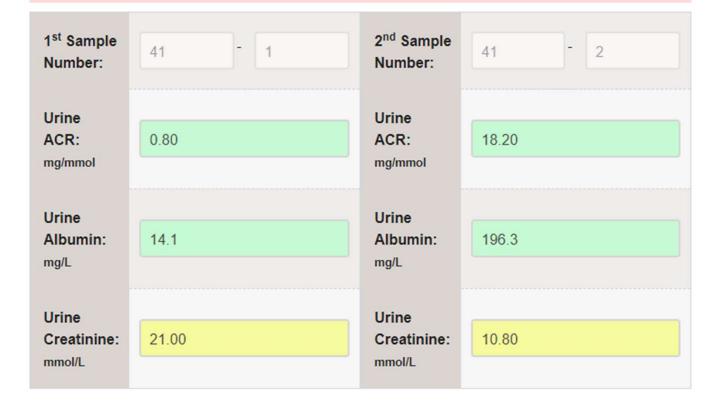




Two cautions equals a red real-time feedback

urine acr

Your quality assurance testing requires further attention. **DO NOT test Patients.** Call the QAAMS Help Desk on 08 8201 7555.





Aboriginal Health PoCT QC and QA

- QC and QA are reviewed every month with an online meeting between QAAMS management team and RCPAQAP.
- Each sites submitted results are reviewed comparing QC performance with QA performance.
- Any poor performing sites are followed up by the QAAMS management team via a phone call.
- Sites that have not submitted enough QA and QC are also followed up to submit more testing.



Haemoglobin A1c (NGSP) (%): Supervisor20097 Report for Cycle 46 - All Specimens (Continued)

Lab	JAN-01	JAN-02	FEB-03	FEB-04	MAR-05			APR-08		MAY-I		JUN-12		
4181			7.4	11.5									H 35V 098	
			green	red										
1184	9.8	5.7			8.3	6.4			6.4	9.7			H 35V 098	
ا۸۵۰	green	green			green	green			green	green				
Abc	10.0	5.6	7.3	9.2	8.3	6.4	5.9	8.6	6.4	10.0			H 35V 698	
L	green	green	green	green	green	green	green	green	green	green				
4188	10.0	5.8	7.5	9.4	8.5	6.7							H 35V 098	
	green	green	green	green	green	green								
4190	9.9	5.4	7.4	9.3	8.5	6.8	5.4	8.1	6.5	12.5			H 35V 098	
	green	green	green	green	green	green	green	green	green	red				QC good
4198	10.0	5.7	7.5	9.1	8.4	6.4	5.3	8.2	6.7	9.7			H 35V 098	
	green	green	green	green	green	green	green	green	green	green				
4199	10.3	5.5									7.3	9.1	H 35V 098	
	green	green									green	green		
4200	9.9	5.6	7.7	9.6	8.6	6.5	5.7	8.6	6.9	10.0			H 35V 098	
	green	green	green	green	green	green	green	green	orange	green				
4204	9.7	5.5	7.4	9.3	7.9	6.3	5.2	8.0	6.2	6.7	7.3	9.2	H 35V 098	
	green	green	green	green	green	green	namge	green	green	red	green	green		Same sample run twice? QC acceptable
4206	10.1	5.5	7.4	9.0	8.2	6.5	5.5	8.2	6.6	9.9	7.5	9.1	H 35V 098	
	green	green	green	green	green	green	green	green	green	green	green	green		
4207	10.5	5.8	7.6	9.4	8.7	6.8	5.8	8.8	7.2	10.3	7.8	9.5	H 35V 098	
	green	green	green	green	orange	green	green	orange	prange	green	orange	green		
4208	10.2	5.5	7.4	9.7	8.7	6.6	5.6	8.3			7.4	9.3	H 35V 098	
	green	green	green	green	orunge	green	green	green			green	green		
4209	10.1	5.5	7.6	9.3	8.2	6.6	5.8	8.8	6.8	10.5	7.7	9.5	H 35V 098	
	green	green	green	green	green	green	green		green	green	green	green		
4211	11.8	5.8	6.9	8.7	8.3	6.5	6.1	8.2	6.0	10.5	7.5	9.7	H 35V 098	
	red	green	green	green	green	green	green	green	green	green	green	green		
4212	10.3	5.8	7.5	9.4	8.5	6.7	5.7	8.5	6.6	10.3			H 35V 098	
	green	green	green	green	green	green	green	green	green	green				
4213	10.0	5.4	7.2	9.3	7.2	9.2	5.6	8.5	6.4	9.8	7.3	9.1	H 35V 098	
	green	green	green	green	red	red	green	green	green	green	green	green		
4214	10.2	5.9	140.5773	4	8.2	6.6	5.7	8.5	6.6	10.1	80000	#155th	H 35V 098	
	green	green			green	green	green	green	green	green				
4215	or the same				770000	-	The state of the s		*		10,2	9.4	H 35V 098	
100											red	green	CHARLES A GENTR	Only June submitted. QC normal sample was out of range. To be followed up. More testing required
4216	5.5	11.1	7.7	9.2	8.6	6.7			6.7	10.1	- Common	-	H 35V 098	
	red	red	green	green	green	green			green	green				Reversed result - QC good but more testing required
4217	10.0	5.8	7.5	9.2	8.4	6.4	5.7	8.0	- Freeze	- Arean			H 35V 098	
	green	green	green	green	green	green	green	green					The second	
4219	10.0	5.7	7.2	9.1	8.4	6.3	5.7	8.2					H 35V 098	
32.17	green	ureen	green	green	green	green	green	green					44 000 000	
4220	9.6	5.0	7.4	9.2	8.5	6.3	5.5	8.2	6.5	10.5	7.4	9.4	H 35V 098	
		270		green		green			green	green	green	green	** ** * ***	
4223	green 10.0	5.5	7.5	9.3	green 8.4	6.4	green 5.6	green 8.1	6.7	10.4	7.3	9.3	H 35V 098	
200													11 334 090	
	green	green	green	green	green.	green	green	green	green	green	green	green		

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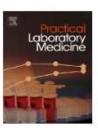




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The challenge of producing an EQA for the COVID-19 pandemic



Tony Badrick*, Louise Wienholt, Daniel Fone, Derek Holzhauser

The Royal College of Pathologists of Australasia Quality Assurance Programs, St Leonards, Sydney, Australia

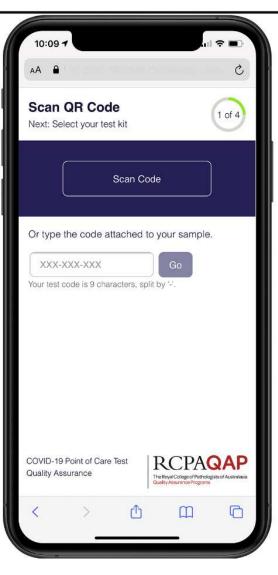
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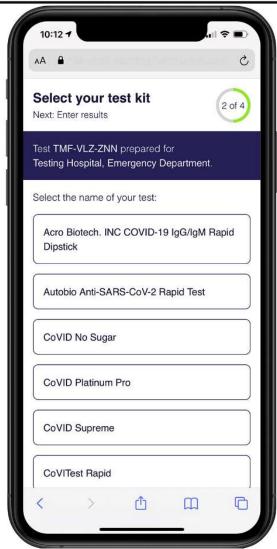
Reywords: PoCT COVID-19 EQA Phone app

ABSTRACT

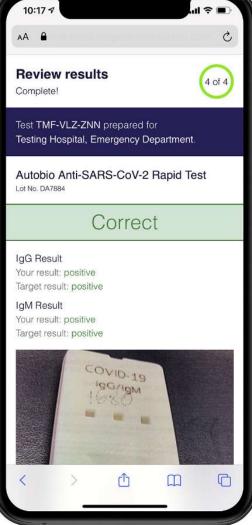
The COVID-19 pandemic has changed the clinical medicine landscape. The importance of pathology testing has come to the forefront. Patients or potential patients are dealing directly with laboratories as they line up in carparks or testing staff come to the front doors to obtain samples. Laboratories have had to increase capacity to deal with the high volumes of testing driven by the need to identify and quarantine cases. Supporting this effort, External Quality Assurance scheme providers have also needed to produce COVID-19 Proficiency Testing (PT) programs which are fit for purpose. COVID-19 Point of Care testing has become critical frontline testing and has required the PT programs to be simple to use, readily accessible and robust. We describe a COVID-19 PoCT Serology PT program supported by a mobile phone App. The App is described, and the advantages made explicit. This App suggests that the way that PoCT EQA/PT programs may be deployed in the future.



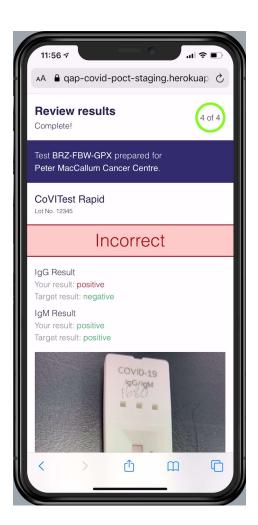








Juality Assurance Programs

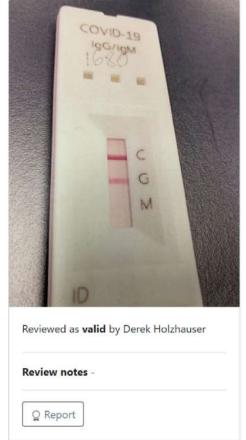




Participant Tests → SPT-DBB-JDT









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RCPAQAP Key Feedback from participants

- Enrolment process fairly easy
- Invoicing can be problematic
- Too many notifications of things that aren't relevant
- Changing methods can be difficult
- Would like to be able to set up survey dates with reminders in my own calendar
- Dashboard of open/close dates
- Reports are generally well liked
- The existing review process is cumbersome



Customer experience

(The new)

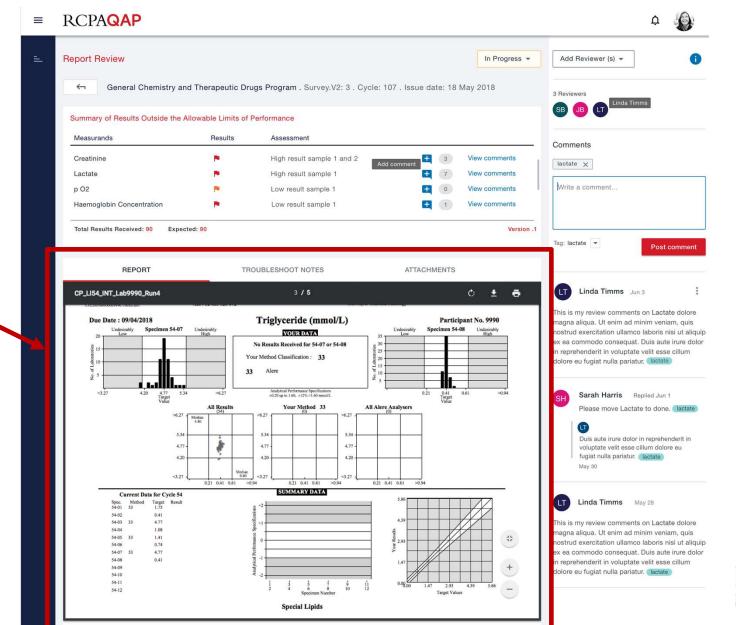
One of our goals is to move from that static, report-based approach to real-time feedback and dynamic data

The new features we've been releasing are already allowing customers to really streamline the way they work, and to do it all without paper.

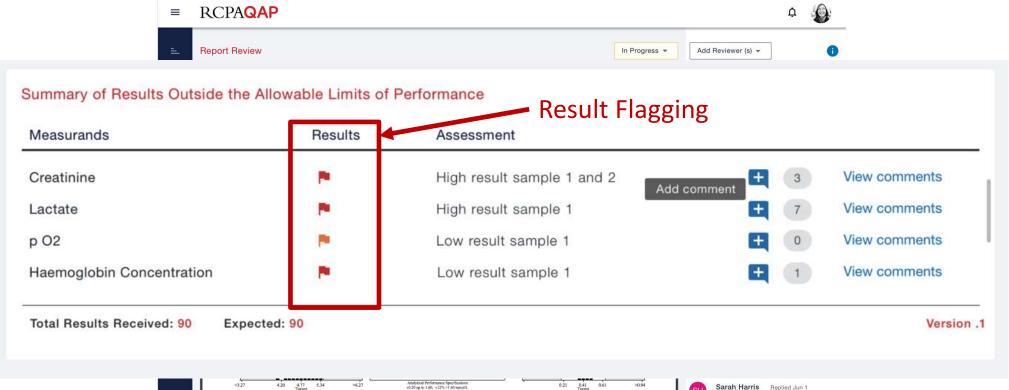
New functionality, designed to meet the way customers told us they want to work, and then tested with them, has been critical in this.

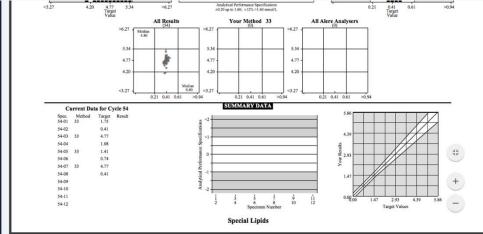


Single pane Report view and simplified commenting



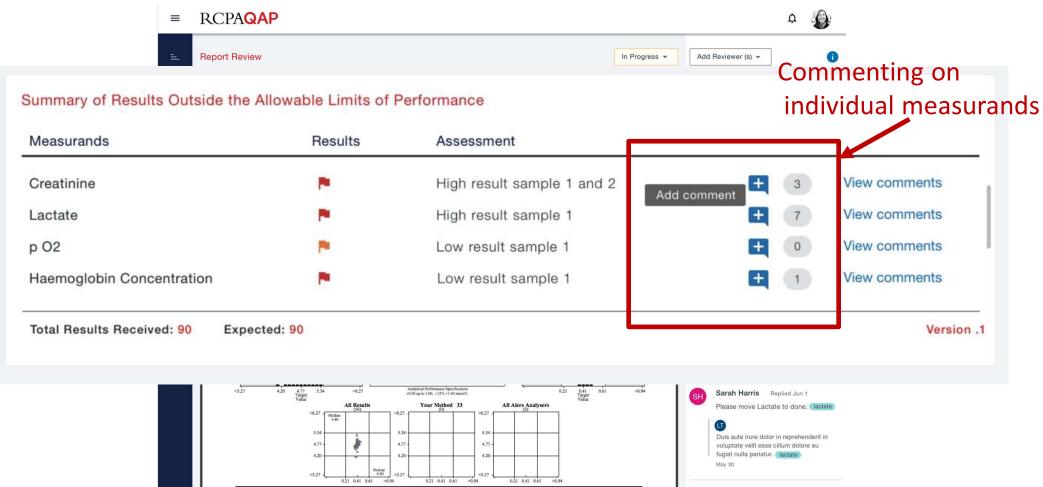


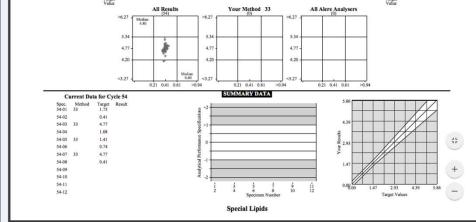


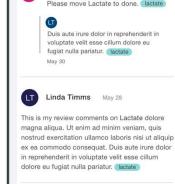




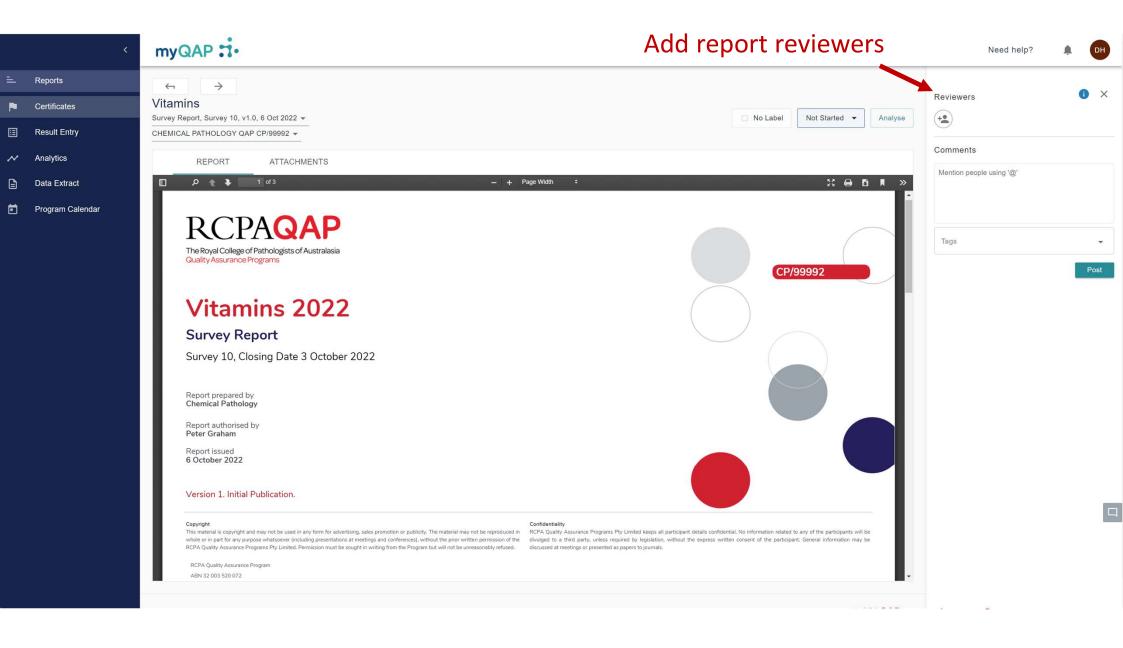


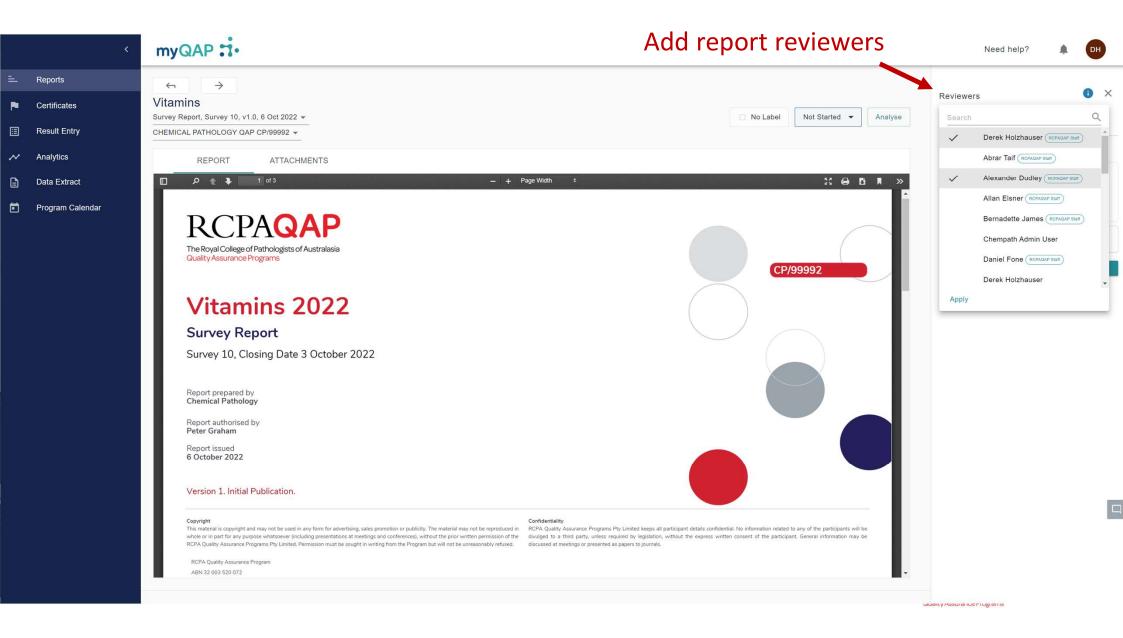


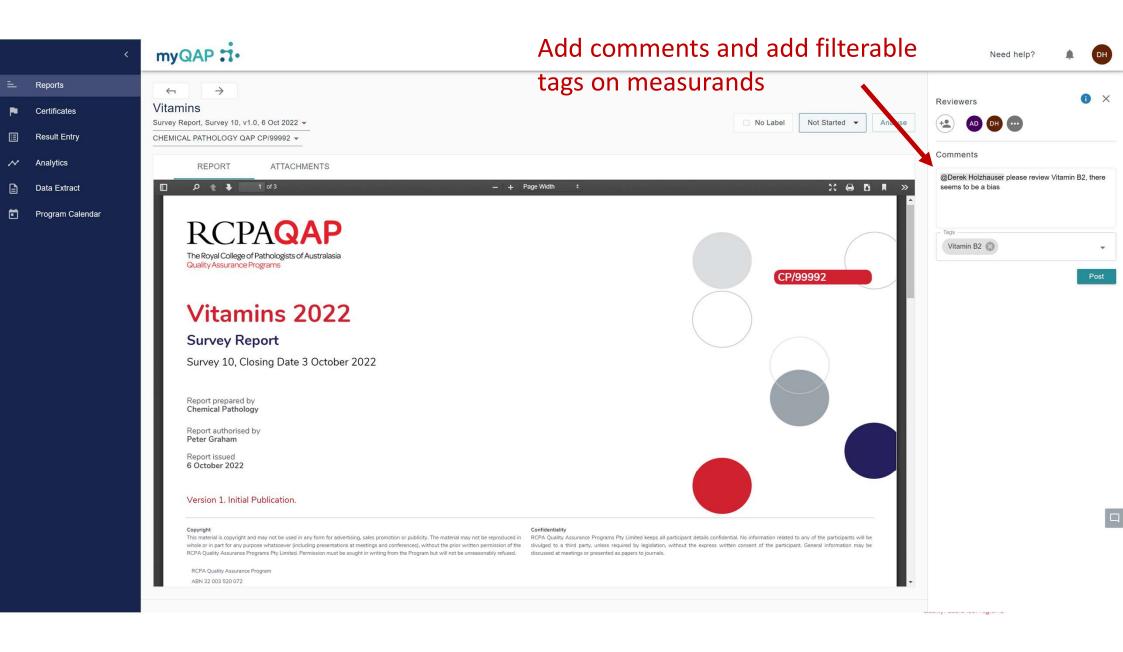


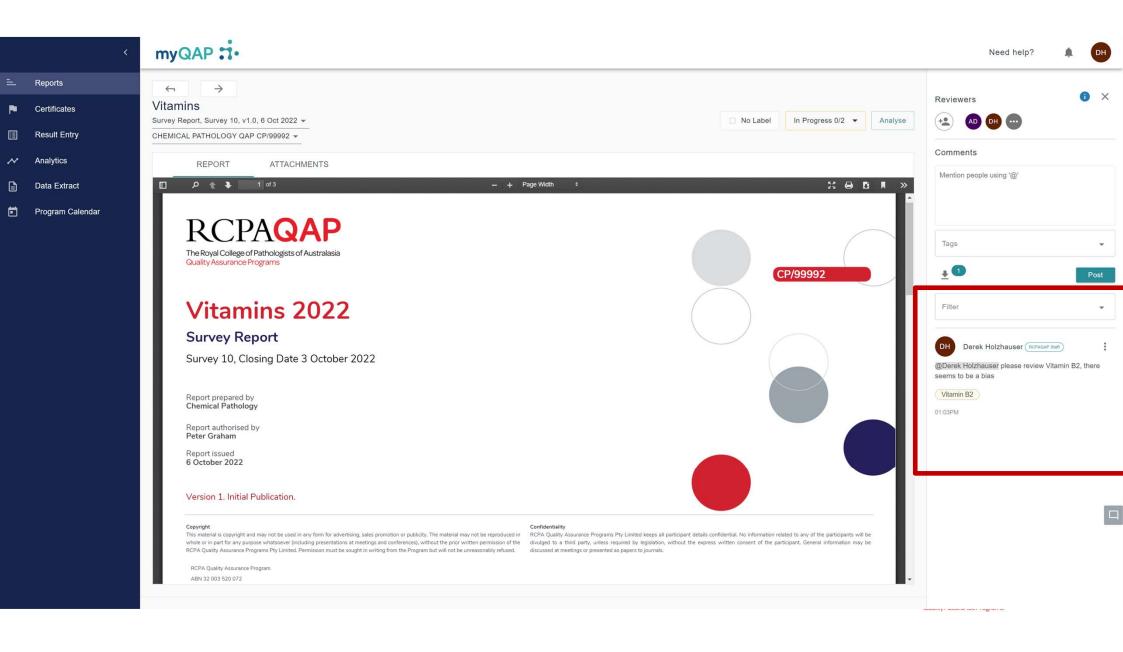


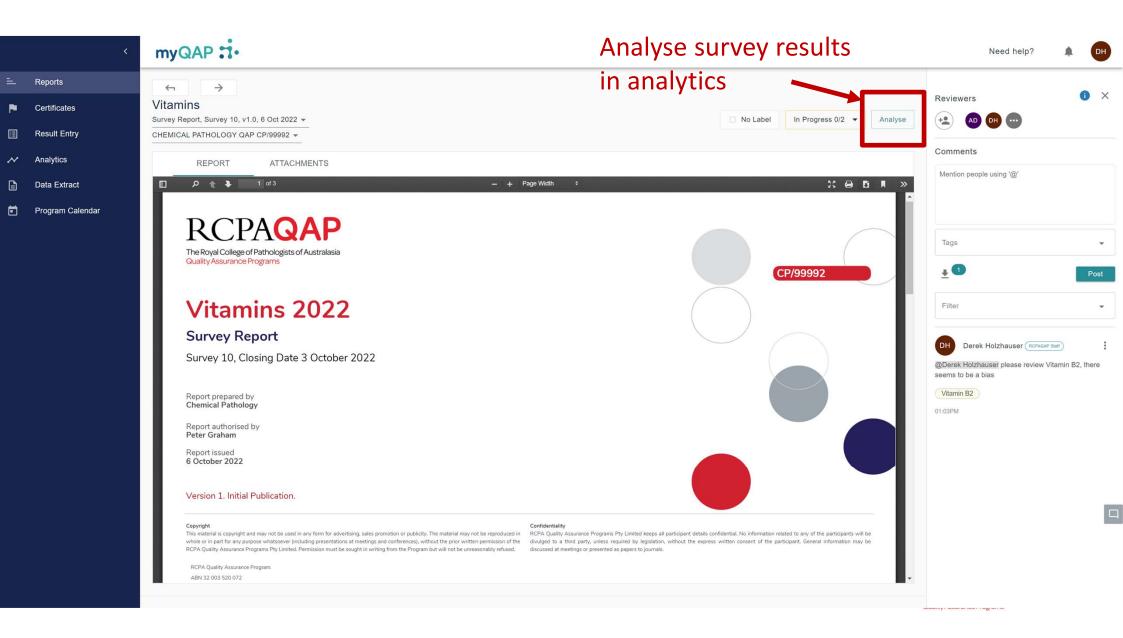


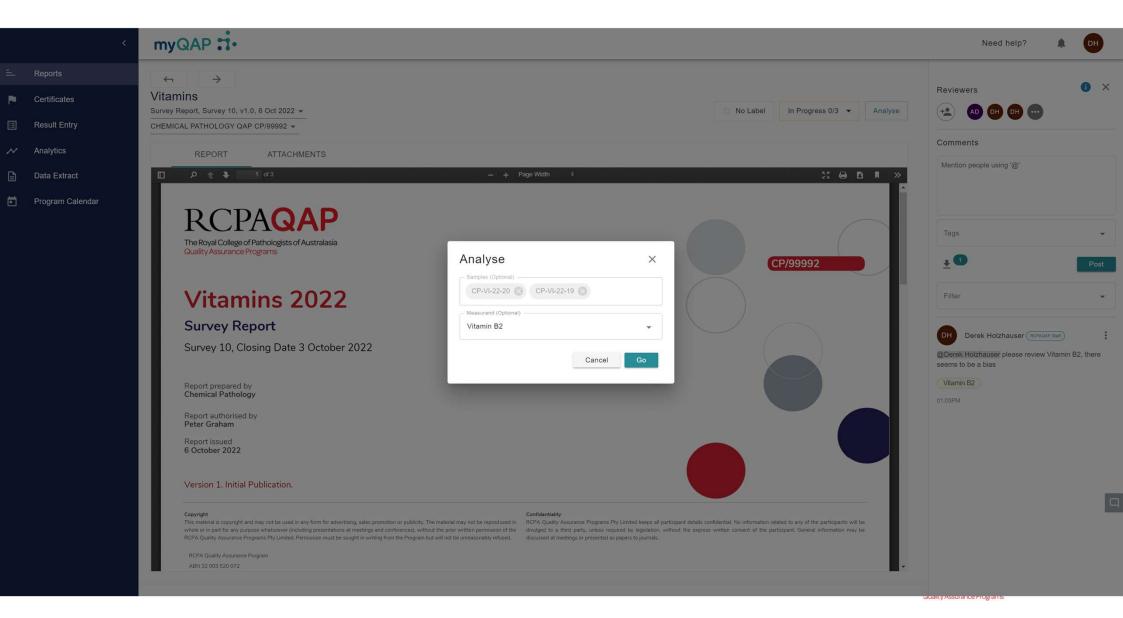














In-house calibrator

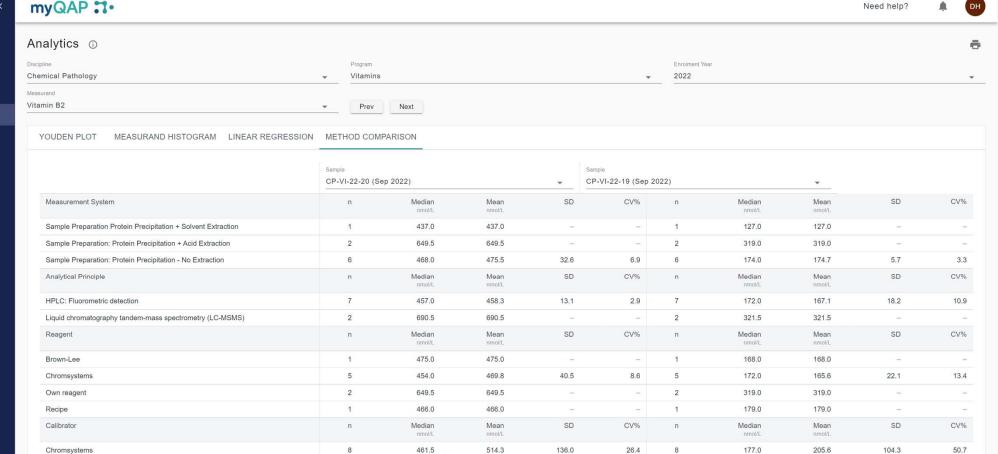
Reports

Result Entry

Data Extract

Program Calendar

Analytics



475.0

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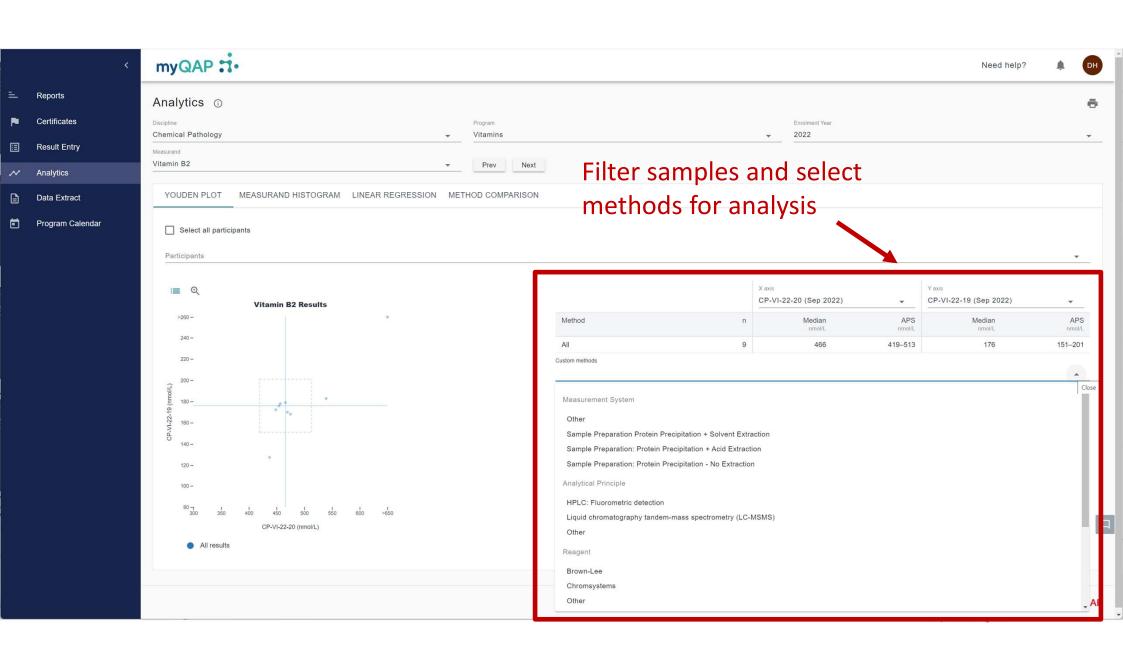
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Summary

Adding Value to reports – value for participants

Cost of EQA is often in the time it takes to deal with samples and results

Need to simplify reports and review process

