



Indigenous Health Division



Australian Government
Department of Health



Flinders
UNIVERSITY



UNSW
AUSTRALIA



“It’s positive - now what?”: Developing systems to enable real-time public health action in a large decentralised remote and regional COVID-19 point of care testing program

Patel P ¹, Applegate TL ¹, Andrewartha K ², Causer L ¹, Saha A ¹, **Kindinger A** ¹, Law H ¹, Borgnolo B ¹, Miller A ¹, Martinez M ¹, Crowley H ¹, Williams A ¹, Bodyyabadu K ¹, Verich V ¹, Khawar L ¹, Althernetti N ², Jayasinghe I ¹, Mathews S ², Guy RJ ¹ on behalf of the COVID-19 Point-of-Care Testing team and Clinical Advisory Group

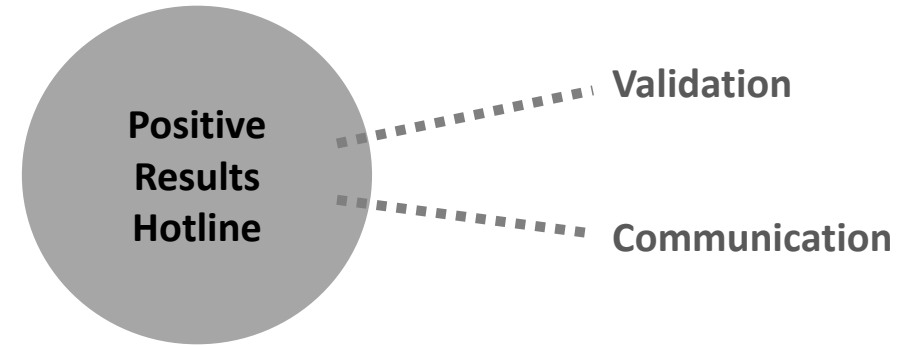
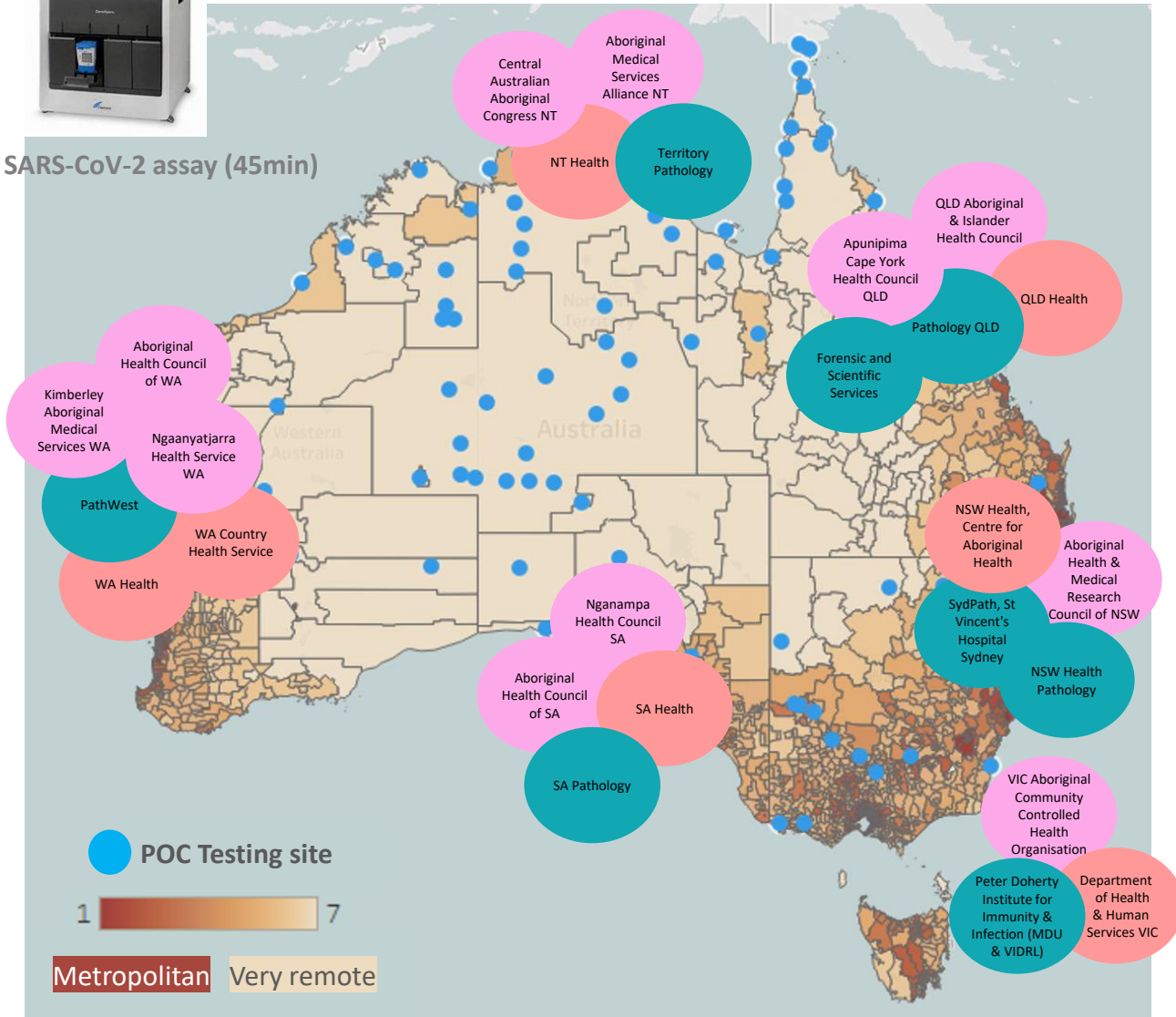
1. The Kirby Institute, UNSW Sydney
2. Flinders University International Centre for Point-of-Care Testing

Artwork by Rickesha Burdett, a Noongar woman from the Menang Region of WA currently living in the Whadjuk Country

Positive Results Hotline: validation, communication



Xpert® SARS-CoV-2 assay (45min)






Phase 1 – COVID-19 outbreak preparation

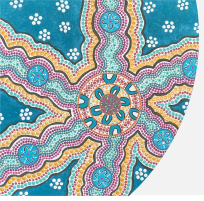


 1. Receipt of result

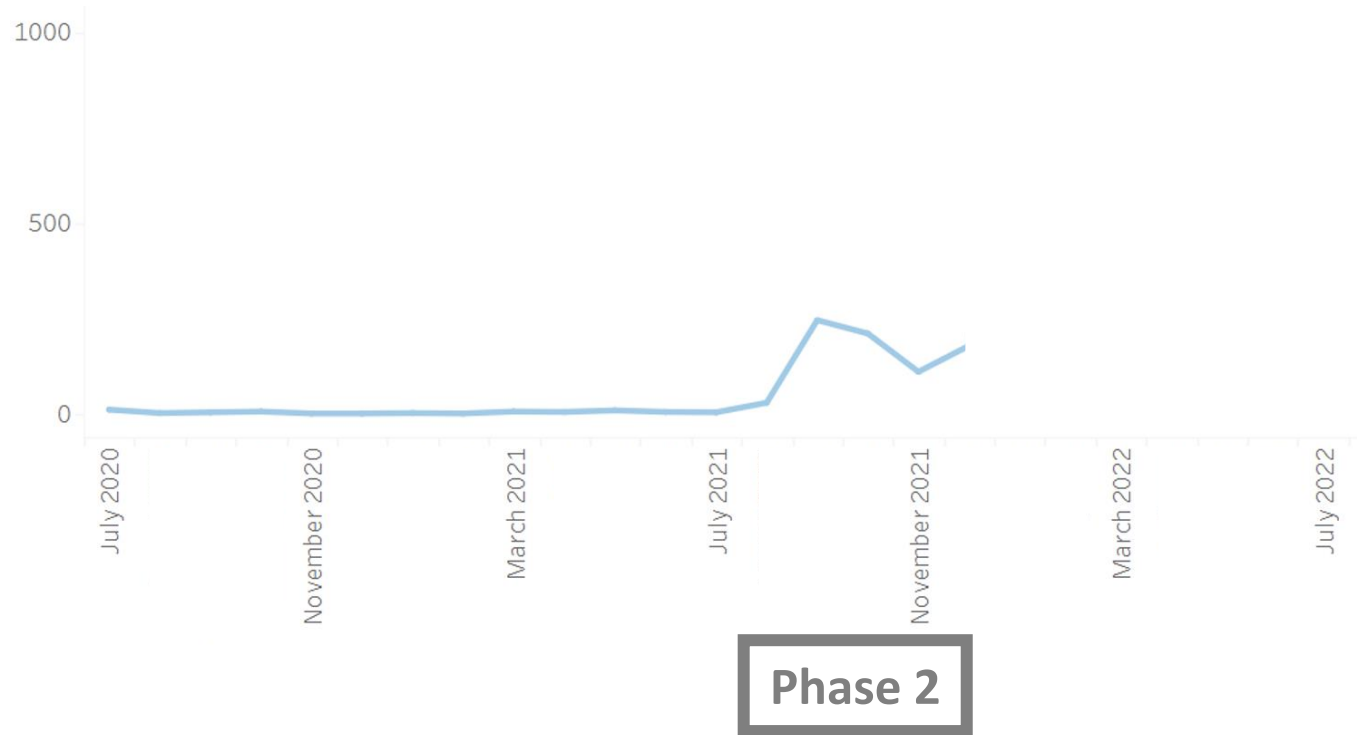
 2. Validation of result

 3. Case data notification

 4. Close case



Phase 2 – COVID-19 outbreak in the first 2 State and Territories



1. Receipt of result

24/7



2. Validation of result

QCs, detailed epidemiological case info



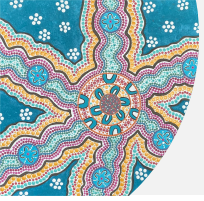
3. Case data notification

Inter - department calls with PH

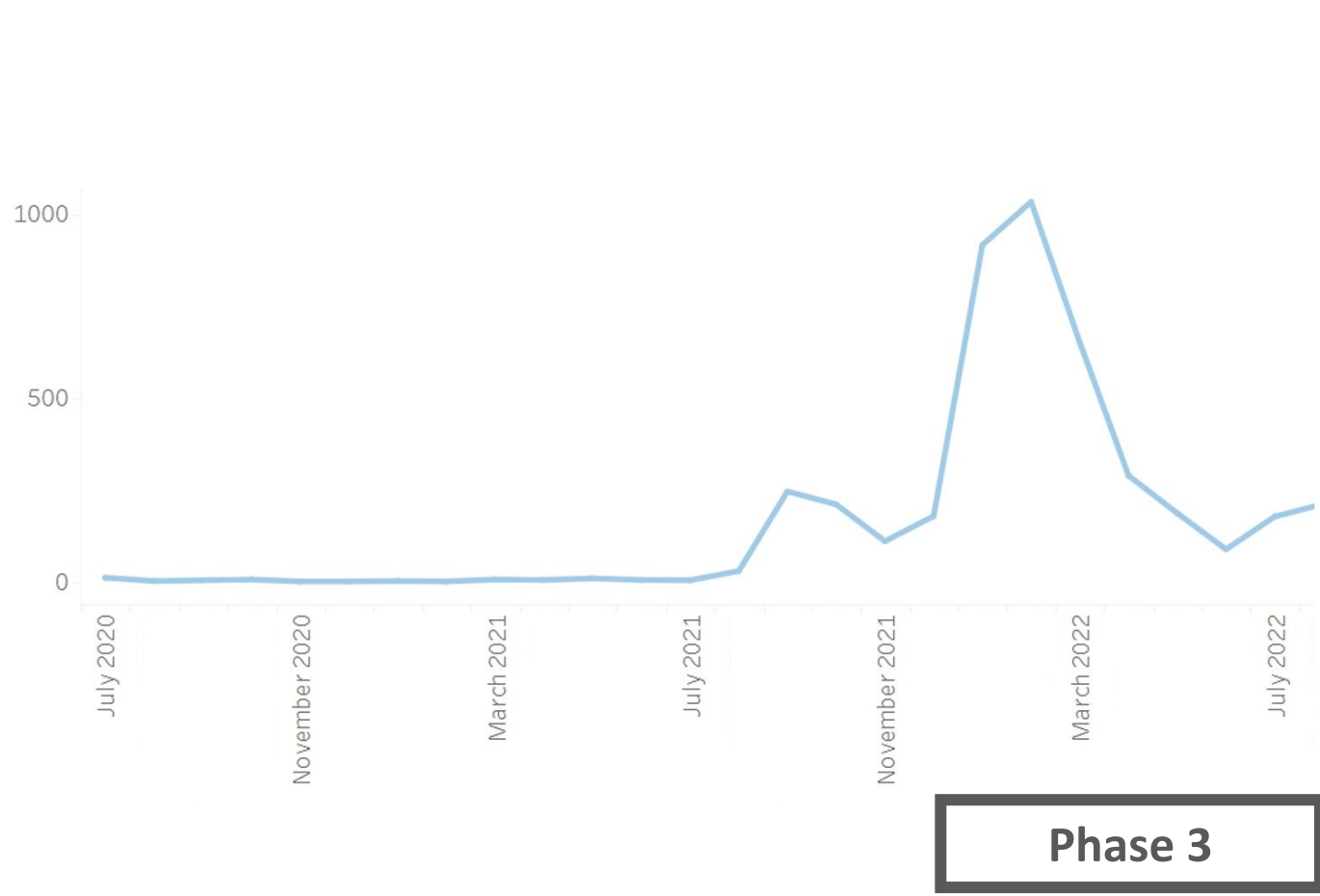


4. Close case

Summary email, genotyping recommendation on recollects



Phase 3 – borders open, widespread COVID-19



1. Receipt of result

9am-9pm



2. Validation of result

QCs, basic epidemiological case info



3. Case data notification

Inter-department calls with PH



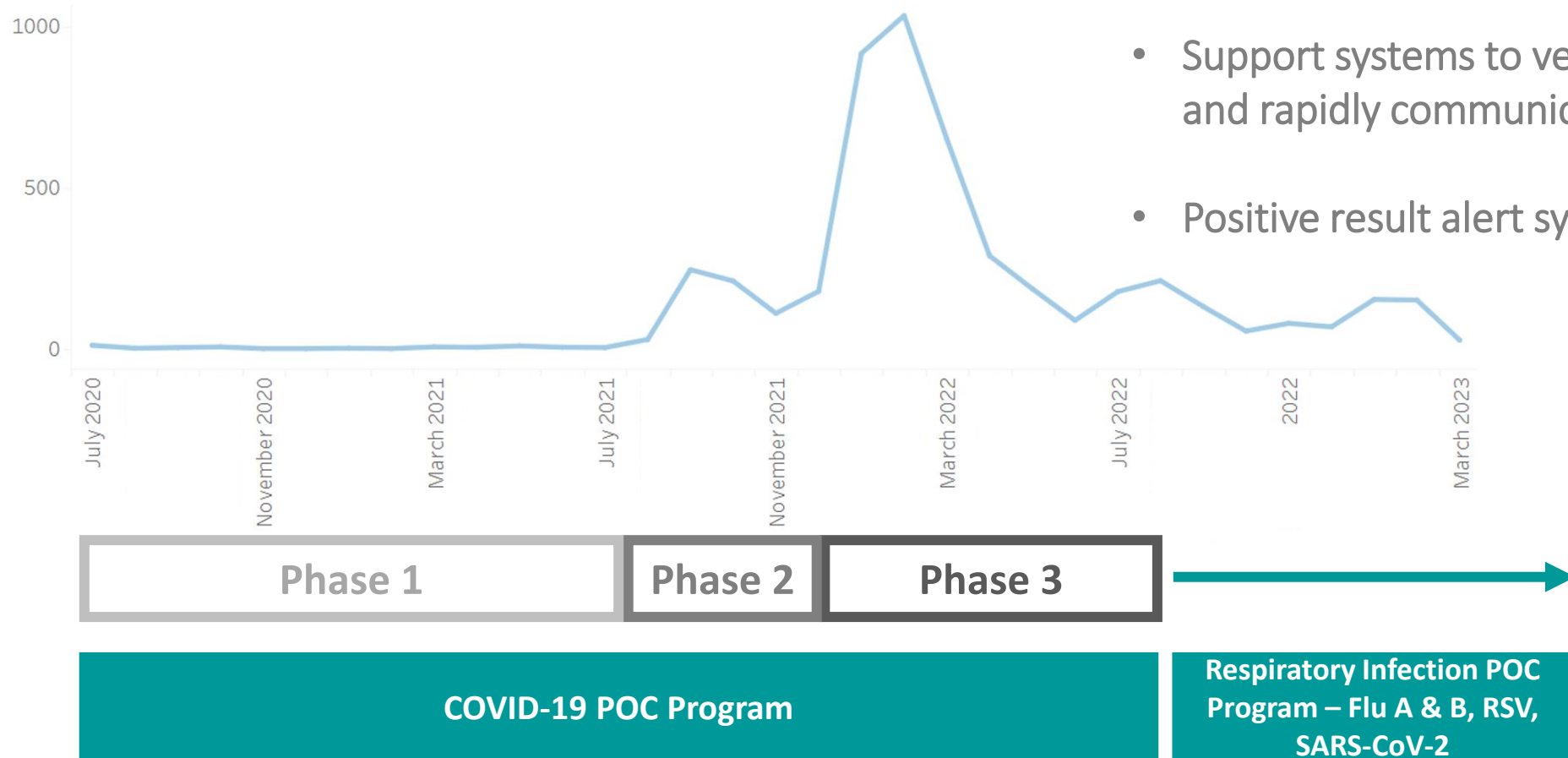
4. Close case

Summary email, genotyping (when requested by PH) recommendation on recollects



Lessons learnt and going forward

- POC testing programs aren't "set and forget"
- Ongoing communication with stakeholders critical, especially in an emergency response
- Support systems to verify analytical quality of results and rapidly communicate results are needed
- Positive result alert system in primary care is novel





Reflection: honoured and privileged



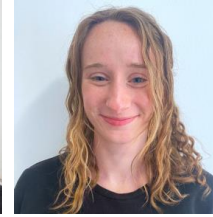


Aboriginal and Torres Strait Islander Respiratory Infection Point of Care Program Hotline

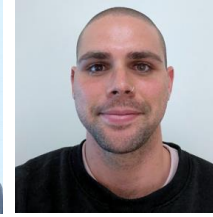
Current team members



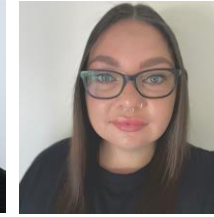
Bianca Borgnolo



Alley Miller



Hayden Crowley



Ashton Williams



Andrey Verich



Maria Martinez

Past team members



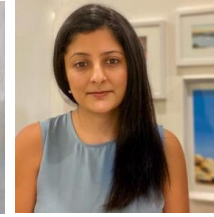
Dr Susan Matthews



Dr Tanya Applegate



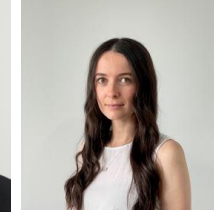
Dr Louise Causer



Dr Prital Patel



Dr Amit Saha



Hannah Law



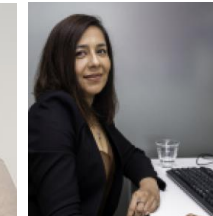
Andrea Kindinger



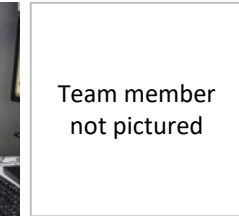
Nina Alternetti



Kaveesha Bodiyaudu



Dr Laila Khawar



Team member
not pictured

Indika Jayasinghe

Thank you