



# CAHS Research Education Program Research Skills Seminar

# Innovation and Commercialisation

2<sup>nd</sup> December 2022

Co-presented by

Ashley Schoof Commercialisation Officer - Telethon Kids Institute



and

Helga Mikkelsen Investment Analyst – Brandon Capital Partners



CAHS Research Education Program Research Skills Seminar Series ⊠ <u>ResearchEducationProgram@health.wa.gov.au</u> € <u>cahs.health.wa.gov.au/ResearchEducationProgram</u>



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### Child and Adolescent Health Service, Department of Research

#### Department of Health, Government of Western Australia

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# Innovation and Commercialisation

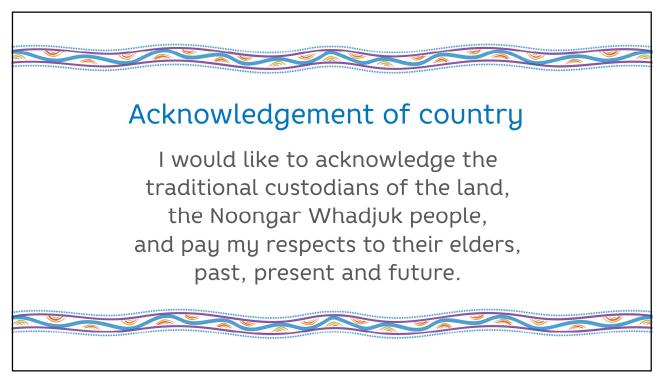
# **PRESENTATION SLIDES**



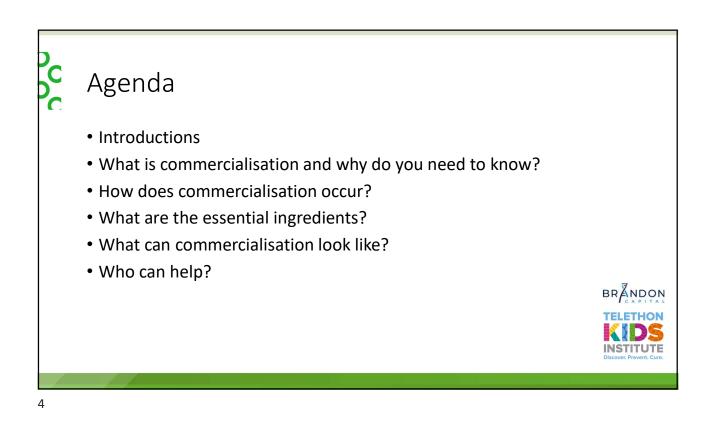
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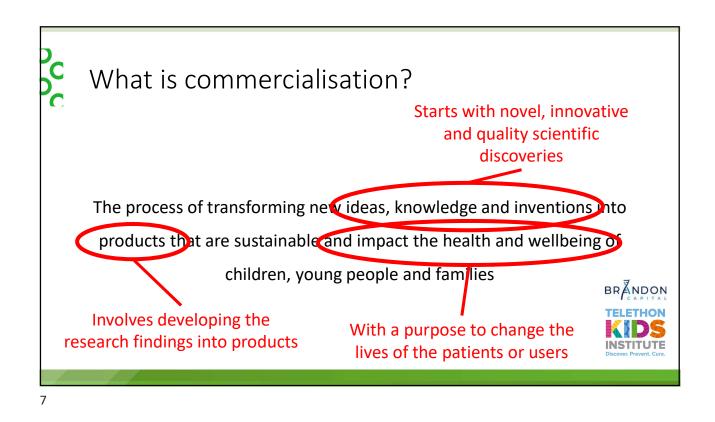


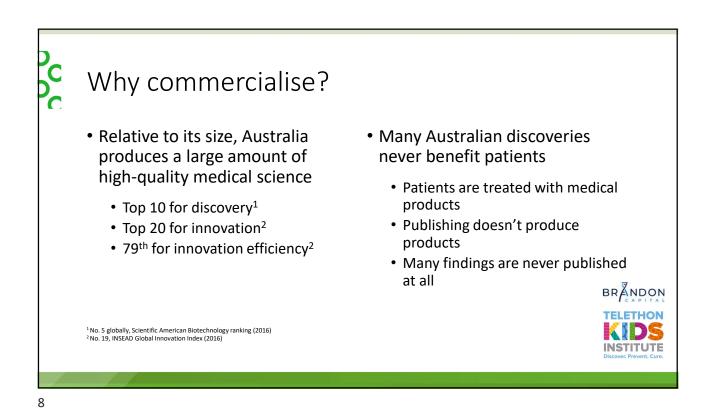


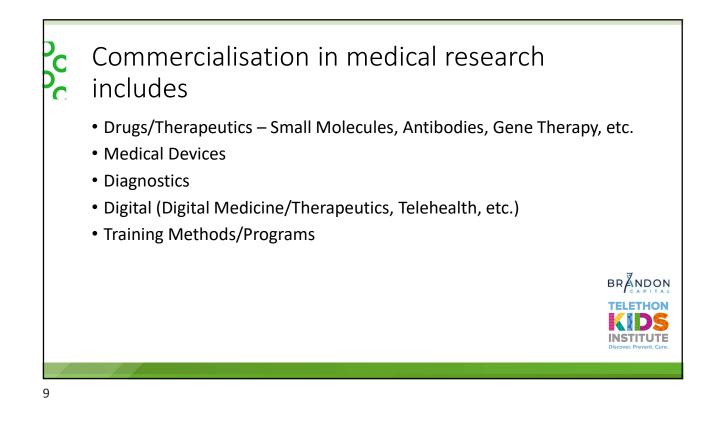




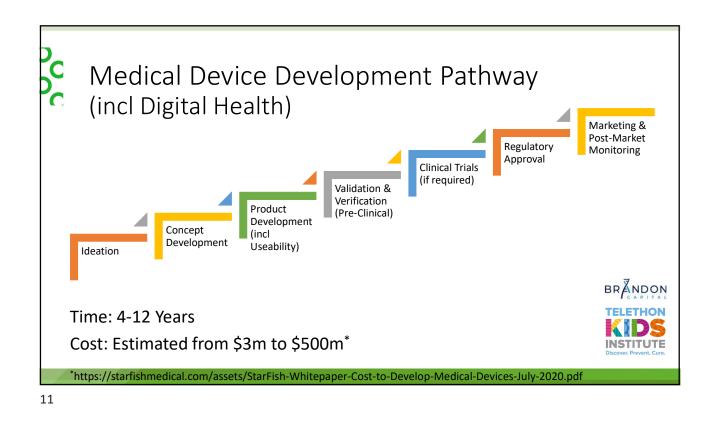






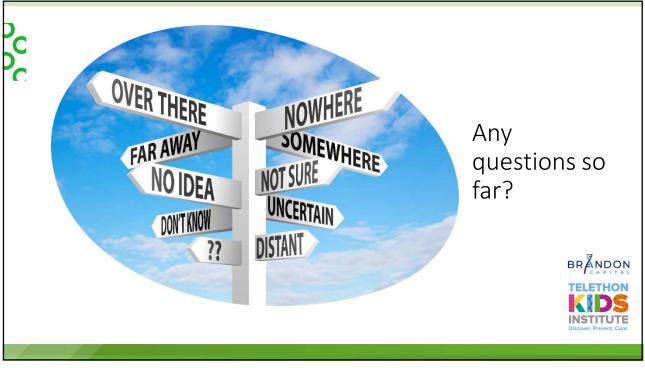




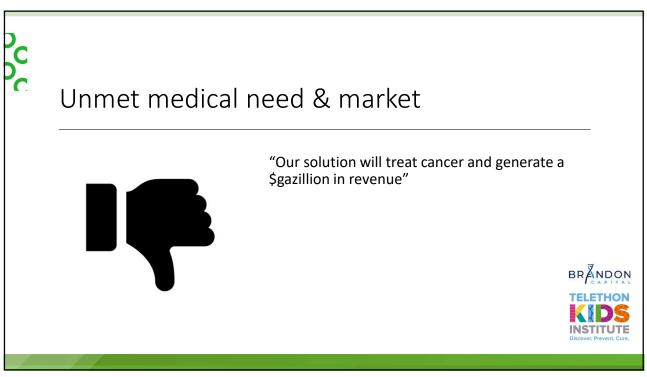


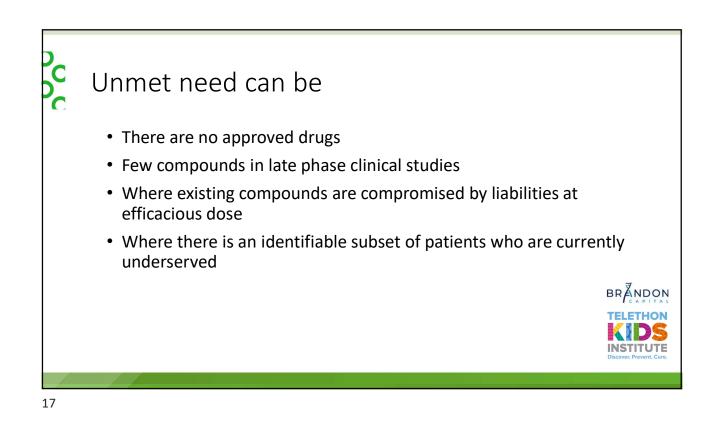


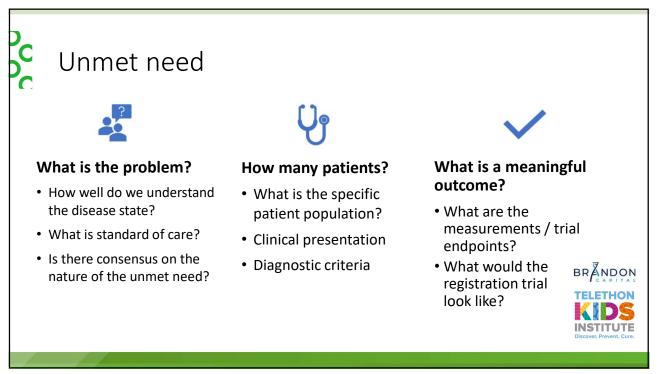


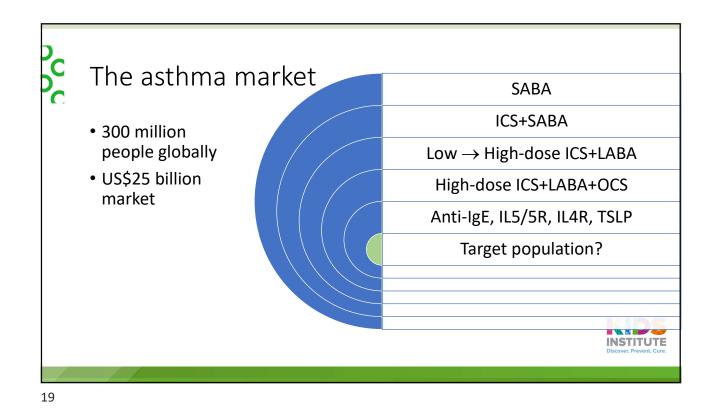


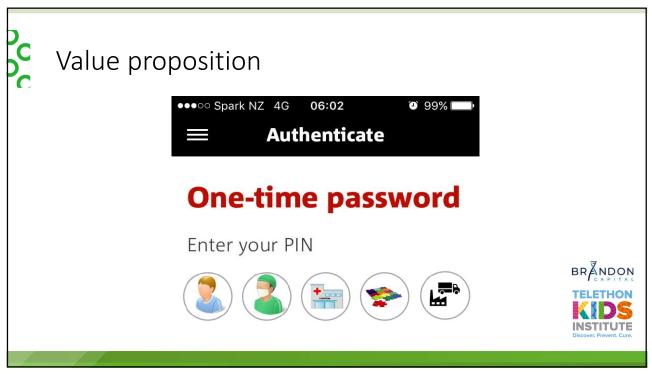


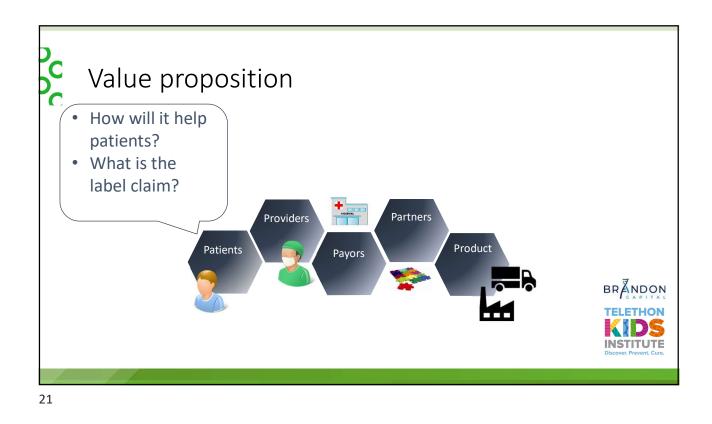


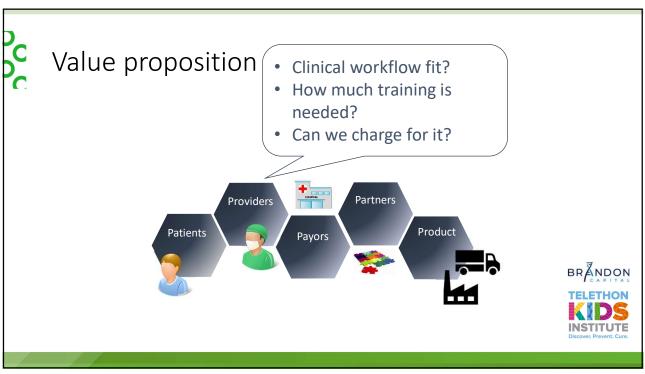


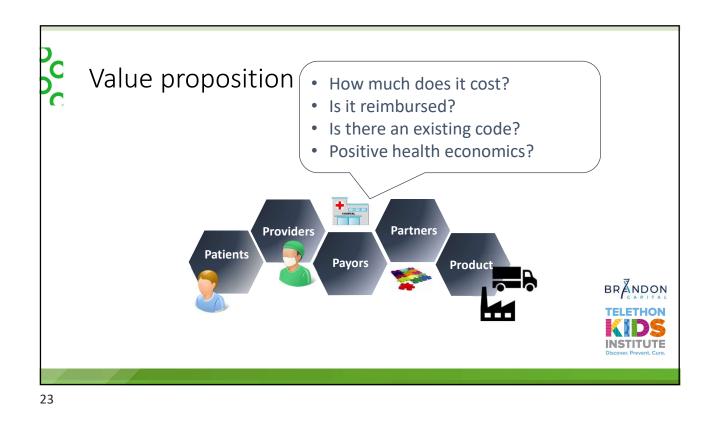


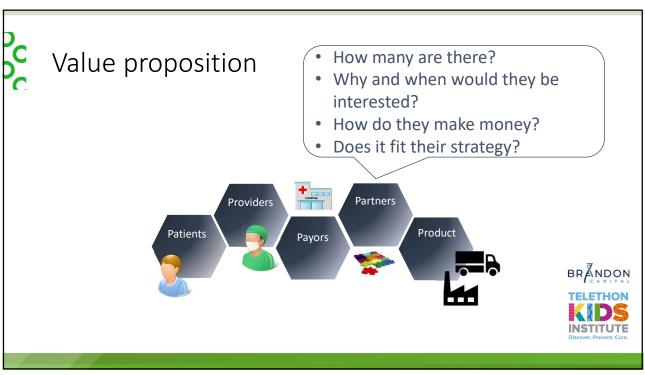


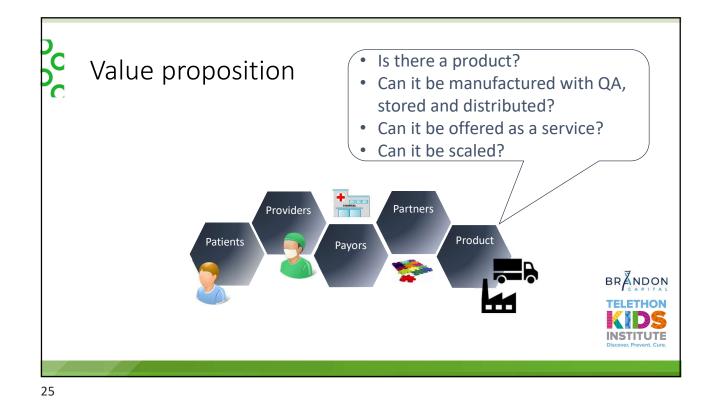






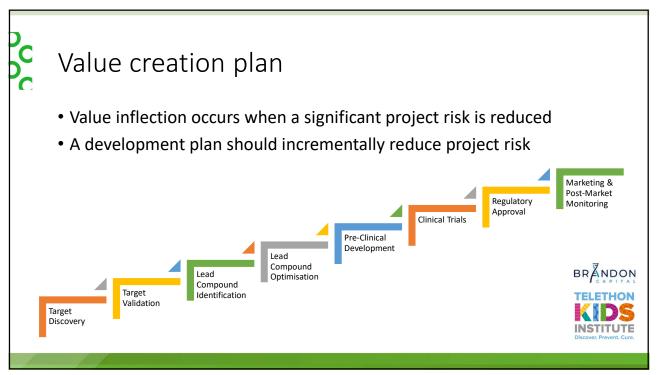


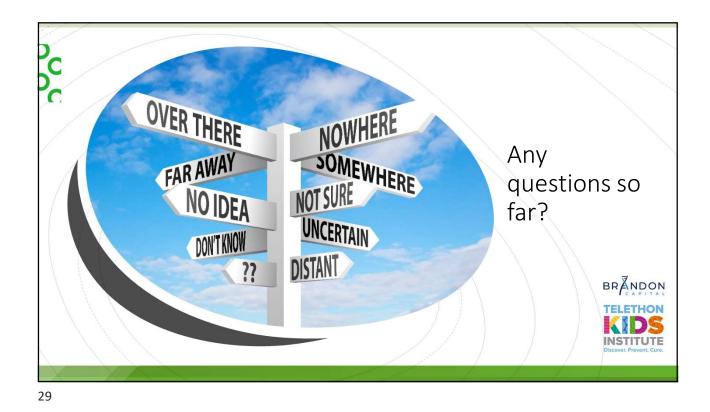












The So	noPlex Needle	
Problem	Poor visibility during ultrasound-guided anaesthesia	
Invention	Echogenic needle that is more visible at any angle	Dr Christopher Mitchell, SCGH
R&D	Multiple prototypes	
IP	Provisional patent filing	
Partner	Patent licenced to Pajunk	BRĂNDON
	Development, manufacturing, QA and distribution	
Outcome	Multiple products that make clinician's life easier	
	Improved patient safety	INSTITUTE Discover. Prevent. Cure.
	Problem Invention R&D	InventionEchogenic needle that is more visible at any angleR&DMultiple prototypesIPProvisional patent filingPartnerPatent licenced to Pajunk Development, manufacturing, QA and distributionOutcomeMultiple products that make clinician's life easier

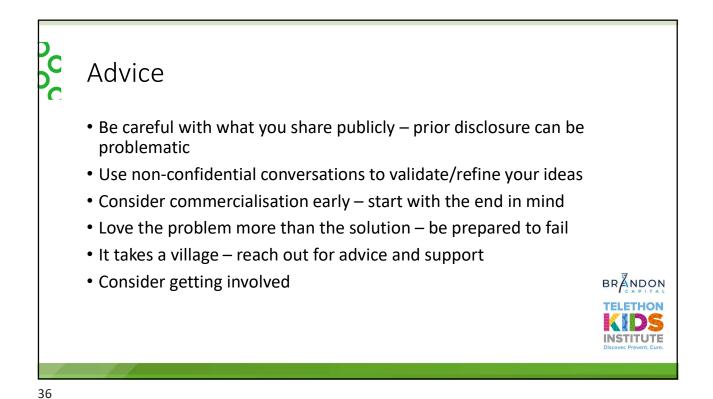
) C	Respirion Pharmaceuticals					
	Problem	Limited efficacy of inhaled tobramycin for Pseudomonas lung infections in CF; Biofilm formation and antibiotic resistance	Dr Barry Clements, PCH			
	Invention	ilms and increase				
		In vitro work showed efficacy				
	R&D	Investigator-led clinical trial showed reduced bacterial load and improved FEV1				
	IP	Two provisional patents				
	IF	Regulatory exclusivity: orphan indication, QIDP				
	Partner	Brandon Capital and US Cystic Fibrosis Foundation (\$\$, experti-	se and trial sites)			
	Faithei	Multiple industry partners for drug and device development				
	Outcome	A product ready for testing in FDA-sanctioned clinical trials				
	Outcome	If all goes well, improved treatment of chronic lung infections				

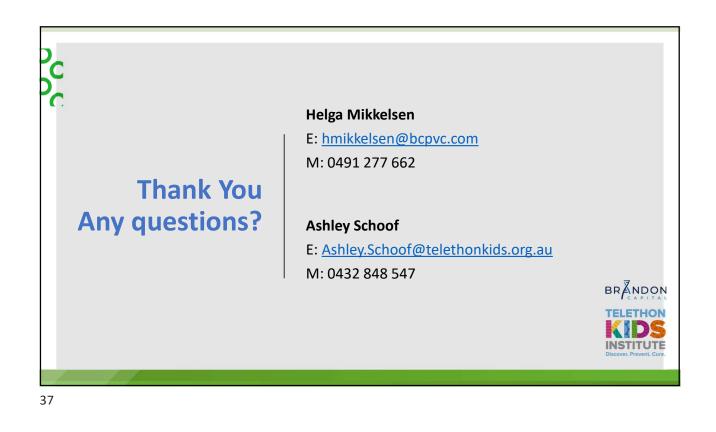
Smil	eyscope	
Problem	75% of kids, 50% of adolescents and 25% of adults fear needles, preventing them from seeking medical care	
Invention	VR headset with software that provides a tool to minimise stress	Dr Evelyn Chan, Royal Children's Hospital, Melbour
R&D	Medical grade hardware designed from scratch VR experience that aligns with procedure and physical sensation	10
IP	VR device, system and framework for generating VR experience chore to a physical procedure potentially inducing an anxiety or pain respon	•
Partner	Initially Australian hospitals, extended to 40 hospitals in the US	BRANDO
raitiel	Investors from Silicon Valley and Australian Doctors	TELETHON
Outcome	Clinical trial shows reduced pain, distress and need for restraint	
outcome	Potential for improved health outcomes	Discover. Prevent. Cur













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# Innovation and Commercialisation

# **RESOURCE NOTES**

cahs.health.wa.gov.au/Research/For-researchers/Research-Education-Program





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### 1. Training Opportunities

- 1.1. <u>Centre for Entrepreneurial Research & Innovation</u> Bootcamp, Concept to Creation
- 1.2. On Prime & On Accelerate
- 1.3.<u>BioDesign</u> Bootcamp, Perth BioDesign for Medtech, Perth BioDesign for Digital Health
- 1.4. ANDHealth BRIGHT: Ideate, BRIGHT: Innovate
- 1.5. Australian Clinical Entrepreneur Program
- 1.6. Cicada MedLab Commercialisation 101
- 1.7. Curtin Ignition

### 2. Resources

- 2.1. MTP Connect Funding, Newletters, Podcasts
- 2.2. WA Life Science Innovation Hub Newsletters, events, funding information
- 2.3. Life Sciences WA Newsletters, events
- 2.4. WA DoH Future Health Research & Innovation Fund Funding





Interactive in pdf format

Last updated 22/11/22



### **CAHS Research Education Program**

## **Research Skills Seminar Series**

A free, open-access resource designed to upskill busy clinical staff and students and improve research quality and impact.

## 2023 Seminar Schedule

	DATE	ТОРІС	PRESENTER	ENROL	WATCH
1	3 Mar	Research Fundamentals	Dr Kenneth Lee, UWA	<u>REGISTER</u>	<u>2021</u>
2	10 Mar	Introduction to Good Clinical Practice	tba	REGISTER	<u>2021</u>
3	17 Mar	Introductory Biostatistics	Michael Dymock, TKI	REGISTER	<u>2022</u>
4	28 Apr	Scientific Writing	Dr Amy Page, UWA (tbc)	REGISTER	<u>2021</u>
5	5 May	REDCap for Data Capture and Management	Dr Jane Mugure Githae, CAHS	REGISTER	<u>2021</u>
6	12 May	Using Social Media in Research	Dr Amy Page, UWA (tbc)	REGISTER	<u>2022</u>
7	19 May	Getting the Most out of Research Supervision	A/Prof Sunalene Devadason, UWA/CAHS	REGISTER	<u>2022</u>
8	2 Jun	Survey Design & Techniques	Dr Jane Mugure Githae, CAHS	REGISTER	<u>2021</u>
9	9 Jun	Conducting Systematic Reviews	Prof Sonya Girdler, Curtin Uni	REGISTER	<u>2022</u>
10	23 Jun	Project Management	tba	REGISTER	<u>2022</u>
11	30 Jun	Sample Size Calculations	Michael Dymock, TKI	REGISTER	<u>2022</u>
12	21 Jul	Consumer & Community Involvement in Research	Belinda Frank, TKI	REGISTER	<u>2022</u>
13	28 Jul	Data Collection and Management	tba	REGISTER	<u>2022</u>
14	4 Aug	Rapid Critical Appraisal of Scientific Literature	Dr Natalie Strobel, Curtin Uni	REGISTER	<u>2022</u>
15	18 Aug	Media and Communications in Research	tba	REGISTER	<u>2022</u>
16	25 Aug	Oral Presentation of Research Results	Dr Jane Mugure Githae, CAHS	REGISTER	<u>2022</u>
17	1 Sep	Involving Aboriginal Communities in Research	Cheryl Bridge, Mara West and Mel Robinson – TKI and CAHS	REGISTER	<u>2022</u>
18	8 Sep	Knowledge Translation	A/Prof Fenella Gill, Curtin Uni/CAHS	REGISTER	<u>2021</u>
19	22 Sep	Research Impact	Dr Tamika Heiden, Vic (tbc)	REGISTER	<u>2022</u>
20	20 Oct	Grant Applications and Finding Funding	Dr Tegan McNab, TKI	REGISTER	<u>2022</u>
21	27 Oct	Statistical Tips for Interpreting Scientific Claims	Michael Dymock, TKI	REGISTER	<u>2022</u>
22	03 Nov	Research Governance	tba	REGISTER	<u>2022</u>
23	17 Nov	Ethics Processes for Clinical Research in WA	tba	REGISTER	<u>2020</u>
24	24 Nov	Qualitative Research Methods	Dr Shirley McGough, Curtin Uni	REGISTER	<u>2022</u>
25	1 Dec	Innovation and Commercialisation	Helga Mikkelsen/Ashley Schoof TKI	REGISTER	<u>2022</u>



View recorded seminars online

Subscribe to our mailing list

# (08) 6456 0514 researcheducationprogram@health.wa.gov.au

<u>cahs.health.wa.gov.au/Research/For-</u> researchers/Research-Education-Program

Seminars are held from 12:30-1:30pm at Perth Children's Hospital Auditorium and are broadcast live online through Avaya and Teams. Seminars are recorded and uploaded to our website within a week of presentation. Topics are subject to change with appropriate email notice provided. Handouts are revised and updated regularly. Attendance certificates are available on request.

**Contact Us** 









CAHS Research Education Program

## 2023 REDCap Workshop Series



The Research Education Program - supported by the Perth Children's Hospital Foundation and the Telethon Kids Institute - offers a series of hands-on workshops that focus on the most integral features of REDCap and its application to your research project data. Workshops aim to directly build user skills in a guided environment, with time to ask questions and work on your own project. Dates below are now confirmed - registrations will open in 2023.

Presented by: Research Education Program Research Fellow Dr Jane Mugure Githae



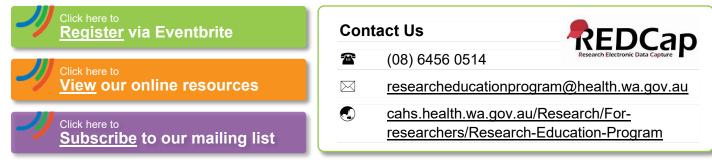
Location: PCH, TKI Seminar Room, Level 5 (West). ONLINE option may also be available.

Торіс	Day	Date	Time	Max No (inperson)
Workshop 1 – Basic Walkthrough	Tuesday	31 January	1:00pm to 3:30pm	<b>40</b> <u>Register</u>
Workshop 2 – Intermediate Walkthrough	Tuesday	21 Feb	1:00pm to 3:30pm	<b>40</b> <u>Register</u>
Workshop 3 – Advanced REDCap - Creating Surveys	Tuesday	28 March	1:00pm to 3:30pm	<b>40</b> <u>Register</u>
Workshop 4 – Basic Walkthrough	Tuesday	2 May	1:00pm to 3:30pm	<b>40</b> <u>Register</u>
Workshop 5 – Intermediate Walkthrough	Tuesday	6 June	1:00pm to 3:30pm	<b>40</b> Register
Workshop 6 – Advanced REDCap - Creating Surveys	Tuesday	27 June	1:00pm to 3:30pm	<b>40</b> Register
Workshop 7– Basic Walkthrough	Tuesday	1 August	1:00pm to 3:30pm	<b>40</b> Register
Workshop 8 – Intermediate Walkthrough	Tuesday	29 August	1:00pm to 3:30pm	<b>40</b> Register
Workshop 9 – Advanced REDCap - Creating Surveys	Tuesday	19 Sep	1:00pm to 3:30pm	<b>40</b> Register

#### IMPORTANT

Attendance is open to all Department of Health and Telethon Kids Institute staff.

Places are strictly limited and offered on a first-come, first-serve, basis. If you are not able to attend a workshop for which you have registered, please contact Research Education Program support via phone or email to cancel your reservation and/or be placed in another workshop or on the waitlist.



(08) 6456 0514 ResearchEducationProgram@health.wa.gov.au





## **CAHS Research Education Program**

# 2023 REDCap Workshop Series

# **REDCap Workshop 1: Basic Walkthrough**

31st January 2023 •

Workshops aim to directly build user skills in a guided environment, with time to ask guestions and work on your own project.

This workshop offers an introduction to building databases in REDCap and covers basic concepts and best practices to equip researchers in building a database for their research project.

Workshop 1 is most useful to anyone building a new project in REDCap and those who have been tasked with managing an existing database.

#### About the Presenter



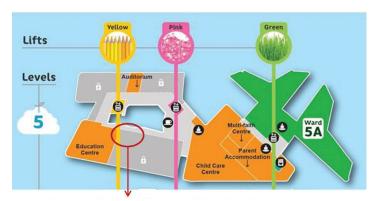
**Dr Jane Mugure Githae REP Research Fellow** 

Mugure joins us from Kenya where she practiced as a General Surgeon & Honorary Lecturer in General Surgery. She has experience in clinical research, clinical audits and medical education. She is keen to simplify the process of integrating day-to-day clinical work with research.



Subscribe to our mailing list

1.30 - 3.30pm • PCH, TKI Level 5 Seminar Room



#### Location of the TKI Seminar Room

Accessible via yellow or pink lifts



Places are strictly limited and offered on a firstcome, first-serve basis. If you are unable to attend a workshop for which you have registered, please contact Research Education Program support via email to cancel your booking and/or be placed in another workshop or on the waitlist.

Laptops are available if required

#### **Contact Us**

- (08) 6456 0514 A
- researcheducationprogram@health.wa.gov.au cahs.health.wa.gov.au/Research/For-researchers/Research-Education-Program



REDCap Workshops are presented by the Research Education Program in partnership and with support from the PCH Foundation and Telethon Kids Institute as part of the Research Education Program REDCap Workshop Series, presented by the CAHS Department of Research, WA Department of Health.





**CAHS Research Education Program** 

### **Research Skills Seminar Series**

A free, open-access resource designed to upskill busy clinical staff and students and improve research quality and impact.

### **Innovation and Commercialisation**

Thank you for your interest in this seminar

Please complete this 1-minute evaluation. Your feedback will help guide future presentations and educational activities.

#### How did you attend the seminar?

O Live seminar at Perth Children's Hospital

- O Hosted video-conference on-site (e.g. FSH, Lions Eye, RPH etc.)
- Online via Avaya or Teams
- Viewed online recording

#### Please rate your agreement with the following statements:

	N/A	Strongly Disagree	Disagree	Neither	Agree	Strongly Agree
The aims and objectives were clear	$\bigcirc$	$\bigcirc$	$\bigcirc$	$\bigcirc$	$\bigcirc$	$\bigcirc$
The session was well structured	$\bigcirc$	$\bigcirc$	$\bigcirc$	$\bigcirc$	$\bigcirc$	$\bigcirc$
Presentation style retained my interest	$\bigcirc$	$\bigcirc$	$\bigcirc$	$\bigcirc$	$\bigcirc$	$\bigcirc$
The speaker communicated clearly	$\bigcirc$	$\bigcirc$	$\bigcirc$	$\bigcirc$	$\bigcirc$	$\bigcirc$
The material extended my knowledge	$\bigcirc$	$\bigcirc$	$\bigcirc$	$\bigcirc$	$\bigcirc$	$\bigcirc$
The additional resources were helpful	$\bigcirc$	$\bigcirc$	$\bigcirc$	$\bigcirc$	$\bigcirc$	$\bigcirc$

#### What were the best aspects of the seminar?

#### What changes or improvements would you suggest?

#### How did you hear about the seminar?

(you can select multiple answer)

- Email invitation from Research Education Program
- $\square$  CAHS Newsletters e.g. The Headlines, The View, CAHS Research Newsletter
- "Health Happenings" E-News
- Healthpoint Intranet Upcoming Events
- Collegiate lounge screen or other posted promotional material
- Telethon Kids Institute screen or other posted promotional material
- Telethon Kids Institute Newsletter
- Other



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Respect

Neonatology Community Health Mental Health Perth Children's Hospital