



CAHS Research Education Program Research Skills Seminar

Oral Presentation of Research Results

25 August 2023



Presented by

Dr Jane Mugure Githae

Research Fellow, CAHS Research Education Program







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Child and Adolescent Health Service, Department of Research

Department of Health, Government of Western Australia

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Oral Presentation of Research Results

PRESENTATION SLIDES









Research Skills Seminar Series

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



Over 20 topics across the research process

- o 1h overview
- o Handouts are provided



Recorded and uploaded



Feedback

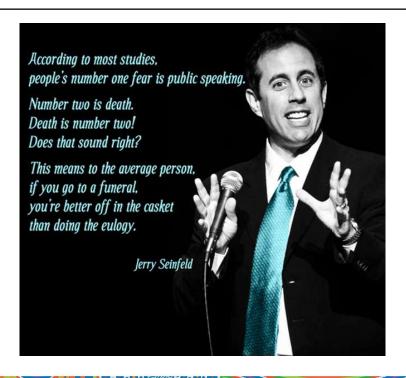
- Back of handout
- Emailed link



Please hold questions to the end

o Use provided microphone

3



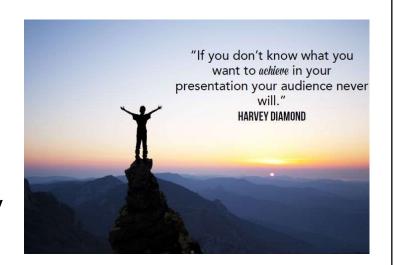
- ☐Starting off
- □ Content
- □ Delivery
- ☐ Answering questions
- ☐ Gaining confidence
- ☐ Running a session effectively





Considerations

- □ Key message
- □ Target audience
- ☐ Time allocated
- Mode of delivery



7

Importance







Avoid duplication



Feedback



New ideas

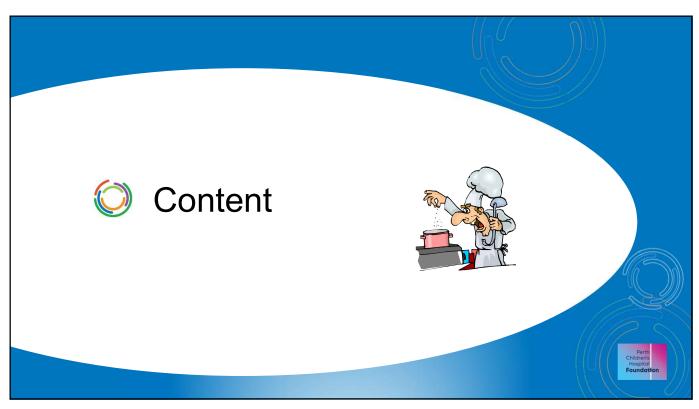


Policy & practice change

"A qualitative researcher collects stories; and maybe stories are just data with a soul." Dr. Brené Brown



9

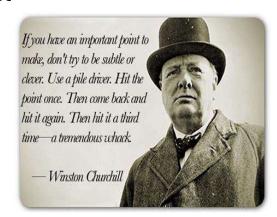


Material

Customize research content

based on:

- Audience
- Time allocated
- Event type / guidelines



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Presentation Outline

- ☐ Study Title
- □ Presentation Overview
- ☐ Background / Introduction:
 - Study justification
- ☐ Study objectives

Presentation Outline (2)

- ☐ Study Methodology
- □ Results
- □ Discussion
- ☐ Summary / Conclusion

☐ Acknowledgements

13



Target Audience (Clarify in Advance)

- ✓ Audience characteristics
- ✓ Preferred language: Is translation needed?
- ✓ Respect diversity
- ✓ Dress code
- ✓ How to pitch: Level of knowledge

H H W H H

15



- ☐ Level of formality
- □ Presentation style
- □ Body language
- □ Time
- ☐ Audience participation

Public Speaking: Tips and Techniques

- Open body language
- Appropriate movement
- Functional gestures
- Calm pace & tone variation

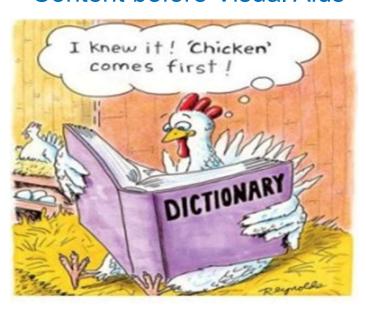


The 110 techniques of communication and public speaking | David JP Phillips | TEDxZagreb – YouTube



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Content before Visual Aids



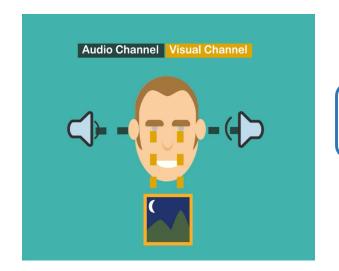
Tip 1: Content



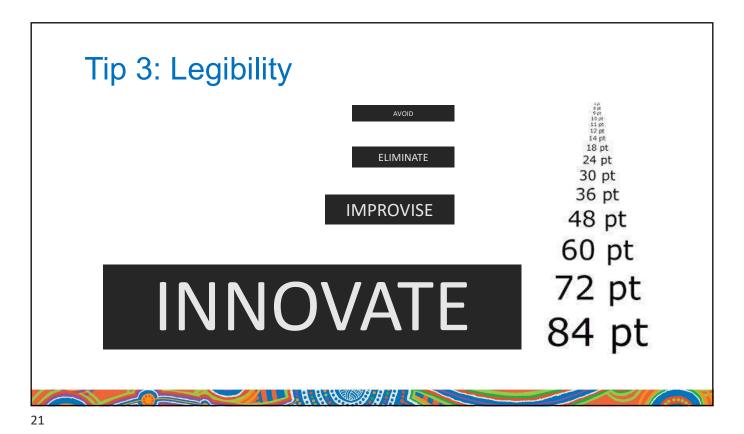
1 message per slide

19

Tip 2: Enhance Working Memory



Images + bullet points > sentences



Tip 4: Contrast

	2019 (%)	2020 (%)	2021 (%)
State A	68.1	63.2	72.4
State B	70.5	67.7	73.5
State C	96.3	90.6	99.6
State D	63.2	60.4	65.5

Table 1: Proportion of state population in capital city

Contrast controls focus

	2019 (%)	2020 (%)	2021 (%)
State A	68.1	63.2	72.4
State B	70.5	67.7	73.5
State C	96.3	90.6	99.6
State D	63.2	60.4	65.5

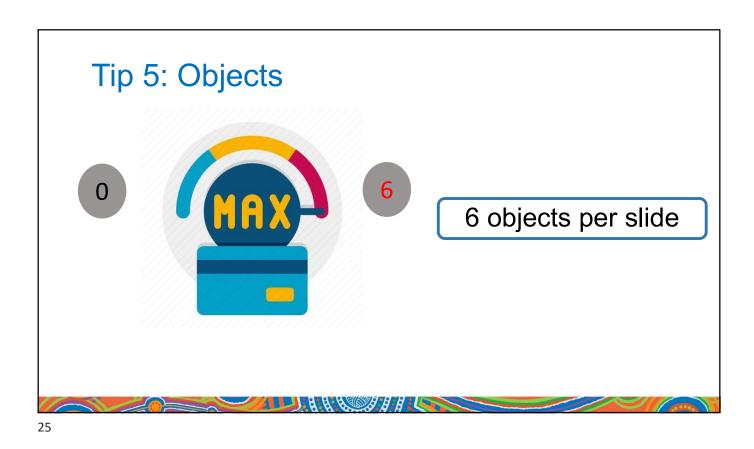
Table 1: Proportion of state population in capital city

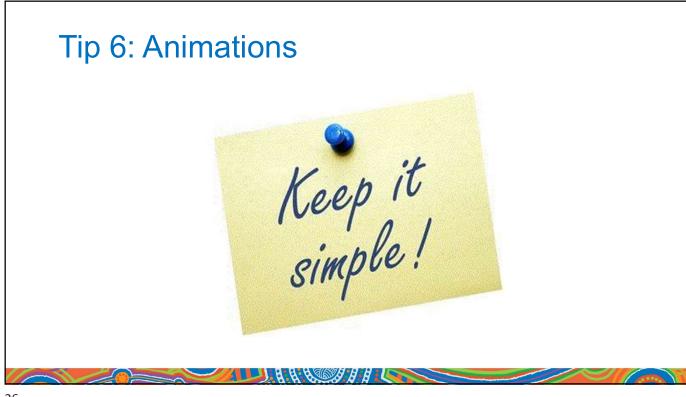
B B B B B B

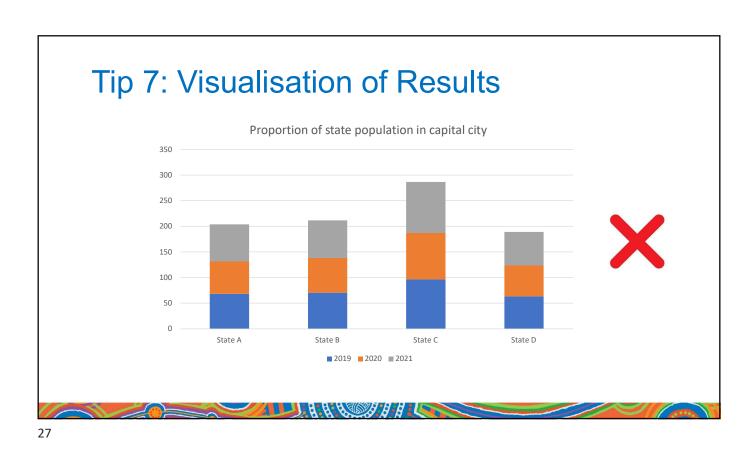
23

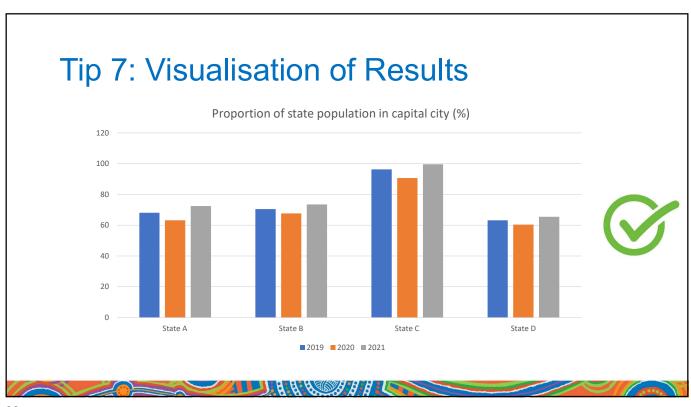
Tip 5: Objects

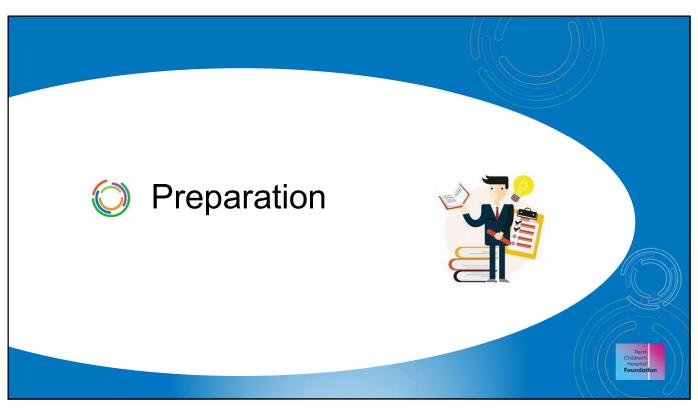
- While presenting your research results, there is temptation to try to cram several months of research into 10 slides. This can result in very busy slides, that may also have an illegible font size.
- Thus, the onus is on the researcher to determine what is relevant to display to that particular audience that will highlight the relevant content of his / her research.



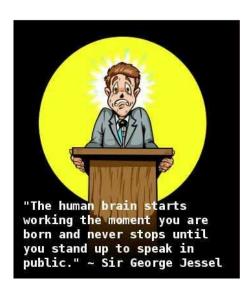








Nervous? You are not alone



Swedish survey (1202 respondents):

- Most common feared social situation:
 - Speaking (or performing in a group)
 - 77% of respondents who met criteria for social phobia
 - 24% of all respondents

Social phobia in the general population: prevalence and sociodemographic profile - PubMed (nih.gov)

31

Watch Good Speakers



Brene Brown 2011 TED Talk: The Power of Vulnerability
Tim Urban 2016 TED Talk: Inside the mind of a master procrastinator

Practise

- ✓ Alone & out loud
 - Record & watch yourself
 - Flow, speaking style, movements
- ✓ Infront of others



"I've always considered myself to be just average talent and what I have is ridiculous insane obsessiveness for practice & preparation." Will Smith

33

Feedback Content Flow Presentation skills Probable questions Visual aids The probable of the probable of

Timing

- Presentation time vs 'talking time'
- Time your presentation (±Timed schedule)
- Avoid waffling by writing main points as assertions
- Check the clock
- ■Be prepared to adapt



"I actually have nothing to say, so my presentation should only last an hour or two.

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On-site Checklist

- ☐ Room
- □ Equipment
- ☐ Audio & Visual Technology
- □Clock / Timer
- □Introduction to session moderator



Plan B

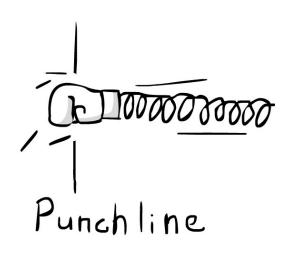
- Practice: Know your presentation
- Backup storage of presentation
- •What if visual technology fails?
- What if audio fails?



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Finish Strong





Avoid

- Abbreviations
- Unnecessary jargon

WE NEED SOME NEW JARGON, THE PUBLIC ARE STARTING TO UNDERSTAND WHAT WE'RE TALKING ABOUT!

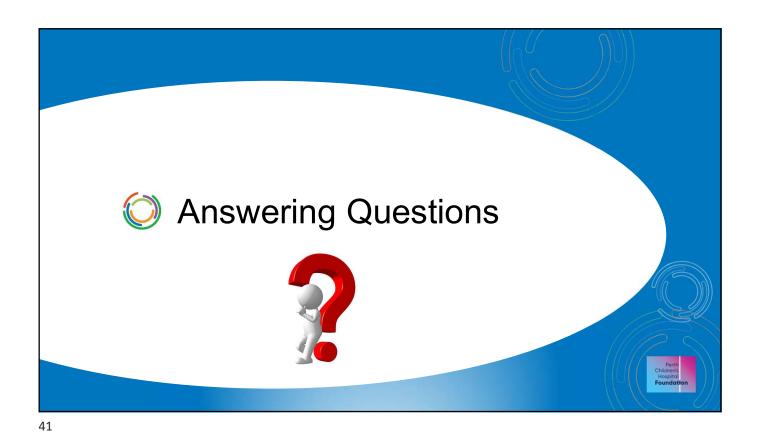


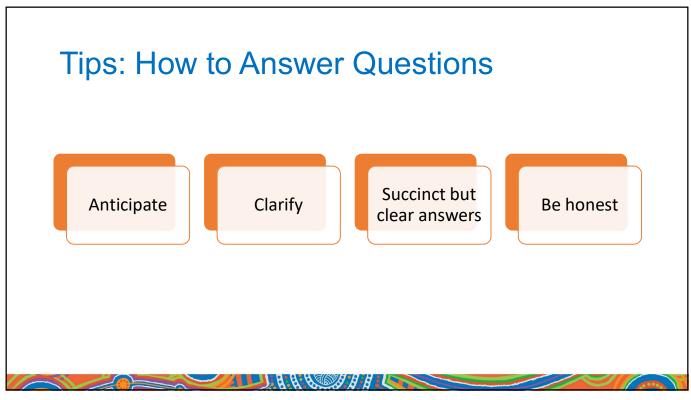
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Online Presentations

- ☐ Camera position
- ☐ Lighting
- □ Equipment
- □ Background
- ☐ Familiarize yourself with software





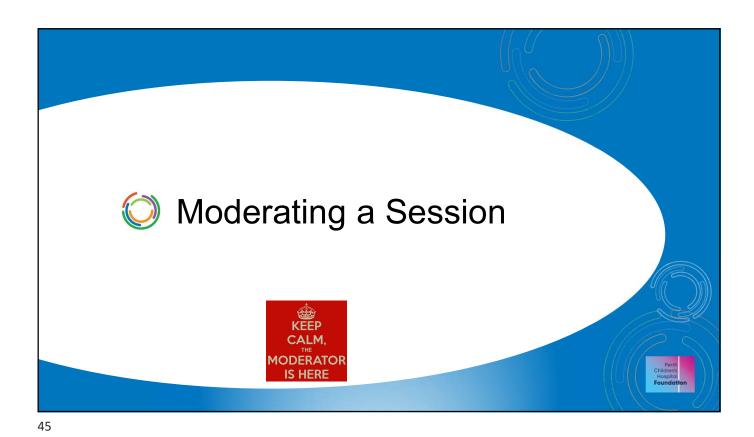




Gaining Confidence

- ✓ Know your content
- √ Observe acknowledged speakers
- ✓ Practice
- ✓ Remain teachable





Before the session

- ☐ Arrive early
- ☐ Speakers availability and briefing
- ☐ Technology check
- ☐ Housekeeping rules

During the session

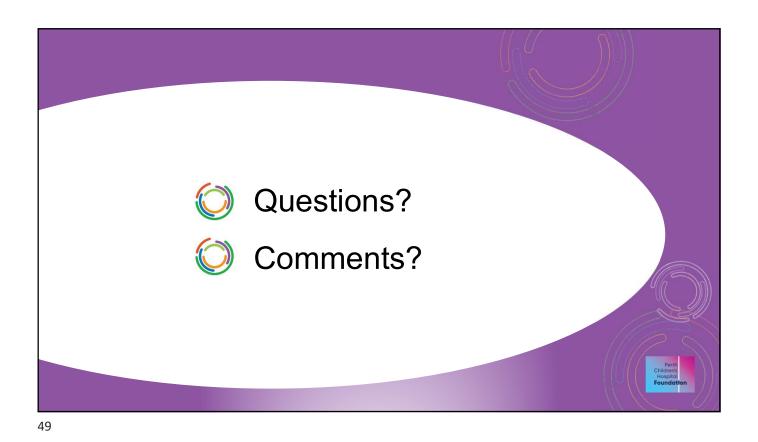
- ☐ Introduce speakers
- ☐ Summarize key points
- □ Timekeeping
- ☐ Ask question(s)
- ☐ Facilitate Q & A

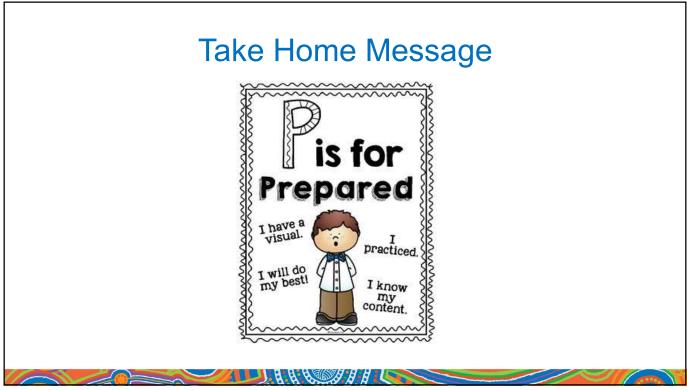
47

After the session

☐ Highlight take home message(s)

- Vote of thanks
- □ Appreciation note
- □ Act on feedback received









29 Aug REDCap Intermediate Walkthrough

Dr Jane Mugure Githae, REP Fellow

1 Sep Involving Aboriginal Communities in Research

Cheryl Bridge / Mara West / Shakara Liddelow-Hunt, TKI and A/Prof Bep Uink, Murdoch Uni

Register → <u>researcheducationprogram.eventbrite.com.au</u>

We love feedback

A survey is included in the back of your handout, or complete online https://tinyurl.com/surveyOralPresentation

🖂 ResearchEducationProgram@health.wa.gov.au 🐔 cahs.health.wa.gov.au/ResearchEducationProgram

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Oral Presentation of Research Results

RESOURCE NOTES







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1. Presenting

1.1. Oral Presentation Structure.

Scitable by Nature Education 2014

https://www.nature.com/scitable/ebooks/english-communication-for-scientists-14053993/118520778/

1.2. Giving Oral Presentations.

Scitable by Nature Education 2014

https://www.nature.com/scitable/ebooks/english-communication-for-scientists-14053993/giving-oral-presentations-14239332/

1.3. 10 Secrets to giving a good scientific talk.

Schoeberl M, Toon B

http://www.cgd.ucar.edu/cms/agu/scientific_talk.html

1.4. Answering Questions.

Scitable by Nature Education 2014

https://www.nature.com/scitable/topicpage/answering-questions-13907464/

1.5. How to give an effective scientific presentation

Dr Ruth Freeman, Trinity College, Dublin https://tbb.bio.uu.nl/MERIT/pdf/cst1freemanssgralskills.pdf

1.6. How to construct bad charts and graphs.

Gary Klass. Department of Politics and Government, Illinois State University. 2001

http://ceadserv1.nku.edu/longa/classes/2008fall/mat115-002/days/day32/graphs/badchart.htm

1.7. How can I improve my presentation skills?

University of Western Australia

https://ipoint.uwa.edu.au/app/answers/detail/a_id/336/~/improve-your-presentation-skills

The 110 techniques of communication and public speaking | David JP Phillips | TEDxZagreb - YouTube

1.8. Oral Presentation Workshop handouts from Curtin University.

https://libguides.library.curtin.edu.au/uniskills/study-skills/oral-presentations



2. PowerPoint & Presentations

2.1. Presentation Slides

Aim to cognitively and psychologically optimize your PPT slides David JP Phillips How to avoid death By PowerPoint | David JP Phillips | TEDxStockholmSalon - YouTube

2.2. Scitable by Nature Education 2014

https://www.nature.com/scitable/ebooks/english-communication-for-scientists-14053993/118520812/

2.3. Using Powerpoint.

Vanderbilt University https://cft.vanderbilt.edu/guides-sub-pages/making-better-powerpoint-presentations/

2.4. Powerpoint in the classroom. Is it really necessary?

D.Voss. Cell Biol Educ. 2004 Fall; 3(3): 155–156. http://www.ncbi.nlm.nih.gov/pmc/articles/PMC520839/

2.5. Structure of a 10-minute Oral Scientific Presentation.

USC

https://dornsife.usc.edu/assets/sites/605/docs/Tips_10_minute_Scientific_PowerPoint_Presentation_Meds_490.pdf

3. Chairing conference sessions

3.1. Session Chairing

If you get asked to be a Session Chair, your only reaction should be to say "Yes!"

Mallette LA. Pepperdine University

http://www.aabri.com/LV11Manuscripts/LV11032.pdf

3.2. Chairing Sessions.

Nature Education 2014.

https://www.nature.com/scitable/topicpage/chairing-sessions-13908566/

3.3. How to be a brilliant conference chair.

The Guardian. J Beigator, L Campbell, I Land Dec 2015.

https://www.theguardian.com/higher-education-network/2015/dec/02/how-to-be-a-brilliant-conference-chair





4. Communication planning in research

4.1. Research Communication Planning.

Epigeum 2012

https://www.epigeum.com/downloads/ri_accessible/uk/05_arts/html/course_files/ar_4_10.html

4.2. Media and Communication in Research: How to refine and pitch your message for maximum impact by Keryn McKinnon, Telethon Kids Institute

https://cahs.health.wa.gov.au/Research/For-researchers/Research-Education-Program/Past-seminars

4.3. Improving Communication among scientists

Ten simple rules for improving communication among scientists | PLOS Computational Biology









2023 REDCap Workshop Series

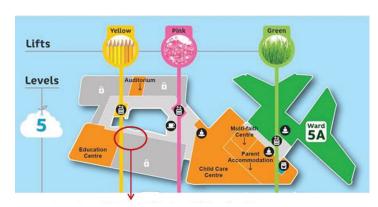
REDCap Workshop 8: Intermediate Walkthrough

29th August 2023 • 1.00 - 3.30pm PCH, TKI Level 5 Seminar Room

This level offers a more comprehensive look at creating a database and builds upon the topics in Workshop 1, enabling attendees to utilise the advanced functionality that REDCap offers.

Those who attend this workshop should be familiar with navigating and using REDCap for project set-up and it will be most beneficial to those who have identified an upcoming need for the advanced aspects of REDCap.

Do you already know how to create a project from scratch and use branching logic? If no, please register for a Basics Workshop. This workshop is for users who are already familiar with the REDCap interface.



Location of the TKI Seminar Room

Accessible via yellow or pink lifts

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.



https://20230829RedcapIntermediate.eventbrite.com.au



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

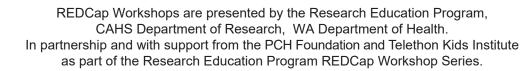


researcheducationprogram@health.wa.gov.au



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









Research Skills Seminar Series 2023

Involving Aboriginal Communities in Research

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

1st September 2023 12.30-1.30pm

This seminar provides an overview of important considerations for engaging Indigenous people in research, including understanding cultural differences, ethical considerations, and the importance of community consultation.

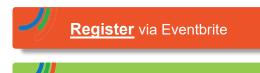
Perth Children's Hospital Auditorium

Level 5, 15 Hospital Ave Nedlands Accessible via pink or yellow lifts

Access online via Teams or Avaya - OR -

Watch live from a hosted video-conferencing site

- **Bunbury Hospital**
- Commissioner for Children and Young People
- Fiona Stanley Hospital
- Lions Eye Institute
- Royal Perth Hospital





Meet the presenters



Cheryl Bridge Head, Kulunga Aboriginal Unit - TKI

Cheryl leads her team in providing support, cultural training and building awareness & understanding of Telethon Kids research involving Aboriginal communities across the state.



Mara West Operations Manager Kulunga Aboriginal Unit (metro) - TKI

Mara has worked in government and the private sectors in various roles and is passionate about research in Aboriginal health being done in a respectful & safe way.

A/Prof Bep Uink Dean Indigenous Knowledges, **Murdoch University**

Bep's research focuses on understanding how socially determined disadvantage impacts the social emotional wellbeing of young people, both Indigenous and non-Indigenous, and how social systems such as higher education can support young peoples' wellbeing.





Shakara Liddelow-Hunt, Research Assistant, TKI



Shakara is focused on the mental health and social and emotional wellbeing of Aboriginal and Torres Strait Islander LGBTQA+ young people.





/iew recorded seminars online





Research Skills Seminar Series 2023

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

Knowledge Translation

8th September 2023

12.30 - 1.30pm

Ensuring that research findings are translated into practice involves a systematic approach from the beginning when you are designing your research. Implementation science bridges the gap between developing and evaluating effective interventions and implementation and de-implementation in routine practice. This seminar covers key elements of implementation research; theoretical approaches, research designs, involvement of stakeholders, behaviour change interventions.

Perth Children's Hospital Auditorium

Level 5, 15 Hospital Ave Nedlands Accessible via pink or yellow lifts

- OR -

Access online via Teams or Avaya - OR -

Watch live from a hosted video-conferencing site

- Bunbury Hospital
- Fiona Stanley Hospital
- Lions Eye Institute
- Royal Perth Hospital











Meet the presenter

A/Prof Fenella Gill Nursing Research, PCH, CAHS School of Nursing, Curtin University

Fenella leads research focused on paediatric inpatient and family experiences, safety and outcomes. Fenella's PhD work resulted in national practice standards for critical care nurse education incorporating the views of health consumers. Fenella was an NHMRC Translating Research into Practice Fellow for post-doctoral research on partnering with parents in the care of their deteriorating child in hospital.

Fenella holds an inaugural West Australian HealthTranslation Network (WAHTN) and Curtin University 2019 Early Career Fellowship in Research Translation and in 2016 Fenella was honoured as a life member of the Australian College of Critical Care Nurses (ACCCN).



Scan here to register













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

Interactive in pdf format Last updated 17/8/23

	DATE	TOPIC	PRESENTER	ENROL	WATCH
1	3 Mar	Research Fundamentals	Dr Kenneth Lee, UWA	-	2023
2	17 Mar	Introductory Biostatistics	Michael Dymock, TKI	-	<u>2023</u>
3	28 Apr	Scientific Writing	A/Prof Tony Kemp, UWA	-	<u>2023</u>
4	5 May	REDCap for Data Capture and Management	Dr Jane Mugure Githae, CAHS	-	2023
5	12 May	Using Social Media in Research	Dr Kenneth Lee, UWA	-	<u>2023</u>
6	19 May	Getting the Most out of Research Supervision	A/Prof Sunalene Devadason, UWA/CAHS	-	<u>2022</u>
7	26 May	Research Impact	Dr Tamika Heiden, Vic	-	<u>2023</u>
8	2 Jun	Survey Design & Techniques	Dr Jane Mugure Githae, CAHS	-	<u>2023</u>
9	9 Jun	Conducting Systematic Reviews	Prof Sonya Girdler, Curtin Uni	-	<u>2023</u>
10	16 Jun	Consumer & Community Involvement in Research	Belinda Frank, TKI	-	<u>2023</u>
11	23 Jun	Project Management	Melanie Wright, SMHS	-	2023
12	30 Jun	Sample Size Calculations	Michael Dymock, TKI	-	<u>2023</u>
13	21 Jul	Introduction to Good Clinical Practice	Alexandra Robertson, CAHS	-	<u>2023</u>
14	28 Jul	Data Collection and Management	Dr Jane Mugure Githae, CAHS	-	2023
15	4 Aug	Rapid Critical Appraisal of Scientific Literature	Dr Natalie Strobel, ECU	-	<u>2023</u>
16	18 Aug	Media and Communications in Research	Keryn McKinnon, TKI	-	2023
17	25 Aug	Oral Presentation of Research Results	Dr Jane Mugure Githae, CAHS	-	<u>2022</u>
18	1 Sep	Involving Aboriginal Communities in Research	Cheryl Bridge, Mara West, Shakara Liddelow - Hunt – TKI + A/Prof Bep Uink, Murdoch Uni	REGISTER	2022
19	8 Sep	Knowledge Translation	A/Prof Fenella Gill, Curtin Uni / CAHS	REGISTER	<u>2021</u>
20	13 Oct	Research Governance	Dr Natalie Giles, CAHS	REGISTER	2022
21	20 Oct	Grant Applications and Finding Funding	Dr Tegan McNab, TKI	REGISTER	2022
22	27 Oct	Statistical Tips for Interpreting Scientific Claims	Michael Dymock, TKI	REGISTER	2022
23	17 Nov	Ethics Processes for Clinical Research in WA	Natalie Giles, CAHS	REGISTER	<u>2020</u>
24	24 Nov	Qualitative Research Methods	Dr Shirley McGough, Curtin Uni	REGISTER	2022
25	1 Dec	Innovation and Commercialisation	Dr Helga Mikkelsen, Brandon BioCatalyst + Ashley Schoof, TKI	REGISTER	2022



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



Research Skills Seminar Series

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Thank you	for your	interest in t	his seminaı	r		
Please complete this 1-minute evaluation. Your feedback will help guide future presentations and educational activities.						
How did you attend the seminar? Live seminar at Perth Children's Hosted video-conference on-site Online via Scopia Viewed online recording		, Lions Eye,	RPH etc.)			
Please rate your agreement with the fol	lowing s		;			
	N/A	Strongly Disagree	Disagree	Neither	Agree	Strongly Agree
The aims and objectives were clear	\circ		0	\bigcirc		0
The session was well structured	\bigcirc	\circ	\circ	\bigcirc	\bigcirc	\circ
Presentation style retained my interest	\circ	\circ	\circ	0	\circ	\circ
The speaker communicated clearly	\bigcirc	\circ		\circ	\circ	\circ
The material extended my knowledge	\circ	\circ	\circ	\circ	\bigcirc	\circ
The additional resources were helpful	0	0	\circ	\circ	\circ	\circ
What were the best aspects of the seming the seminary th		est?				
How did you hear about the seminar? you can select multiple answer) Email invitation from Research Ed CAHS Newsletters e.g. The Headli "Health Happenings" E-News Healthpoint Intranet Upcoming Ed Collegiate lounge screen or other Telethon Kids Institute Screen or C	nes, The vents posted pother pos	View, CAHS	material			





Child Health Research Symposium

Celebrating Innovation, Collaboration and Translation

cahs.health.wa.gov.au/Child-Health-Research-Symposium



8 - 10 November 2023



Perth Children's Hospital Auditorium and Telethon Kids Institute Manda

PLUS

breakfast sessions and poster evening event

Incorporating the CAHS Nursing and CAMHS Symposiums

Neonatology | Community Health | Mental Health | Perth Children's Hospital





cahs.health.wa.gov.au/ResearchEducationProgram



CAHS Research Education Program Research Skills Seminar Series

 ${\color{red} \boxtimes} \ \underline{ResearchEducationProgram@health.wa.gov.au}$