

Western NSW & Far West Library Network

Embedded expertise: A health librarian's collaborative experience with clinical projects

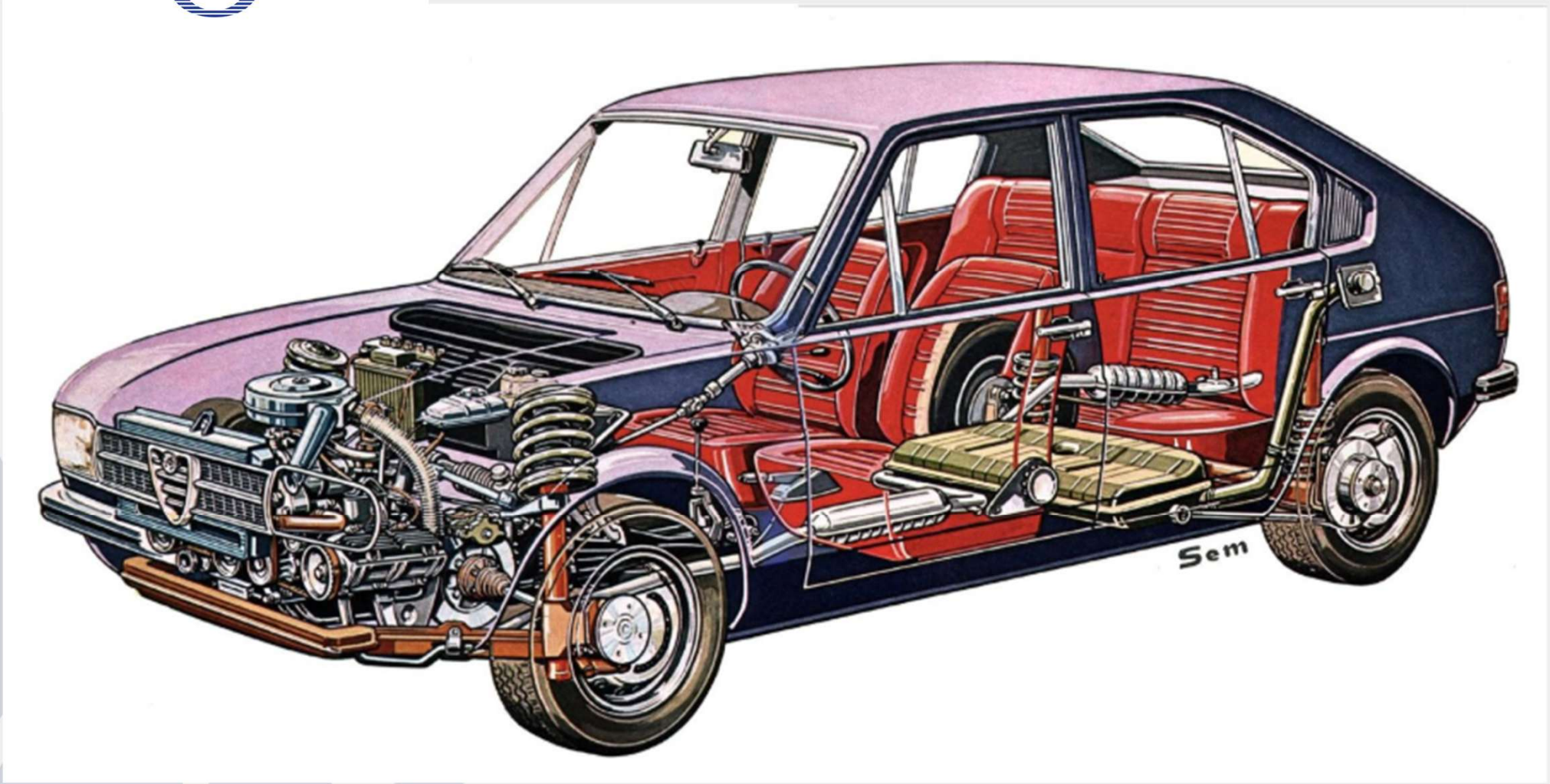
Frances Guinness

Library Manager

NSW GOVERNMENT Health Western NSW Local Health District

NRMA

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Alfa Romeo Alfasud 1976

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Current projects

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- Bibliometric review – a 13 year study of Australian rural research publication
- Co-authoring a book – an 18 month effort to write a book for clinicians, researchers and librarians
- MD Research Project – from petrified to publication in 14 months

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Bibliometric Review

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The analysis of published information (e.g., books, journal articles, datasets, blogs) and its related metadata (e.g., abstracts, keywords, citations) using statistics to describe or show relationships between published work[1]

Also, "bibliometrics … can trace the trajectory of a topic by tracking its spread across the literature or they can determine the characteristics of journal articles that are feverishly downloaded to ascertain impact[2].

The Review Team

WNSWLHD Director of Research
WNSWLHD Library Manager
CSU Principal Research Fellow
WSU Medical student
CSU Lecturer in Rural Health
U. Syd Senior Research Fellow
U. Qld Research Fellow
U. Tas Senior Research Fellow
CSU Associate Professor
CSU Research Fellow
HETI – Snr Program Manager, Rural Research
Anjolene Skoch Pty Ltd – OT, Principal
Vive Pain & Fatigue – Titled Pain Physiotherapist
CSU Academic Librarian

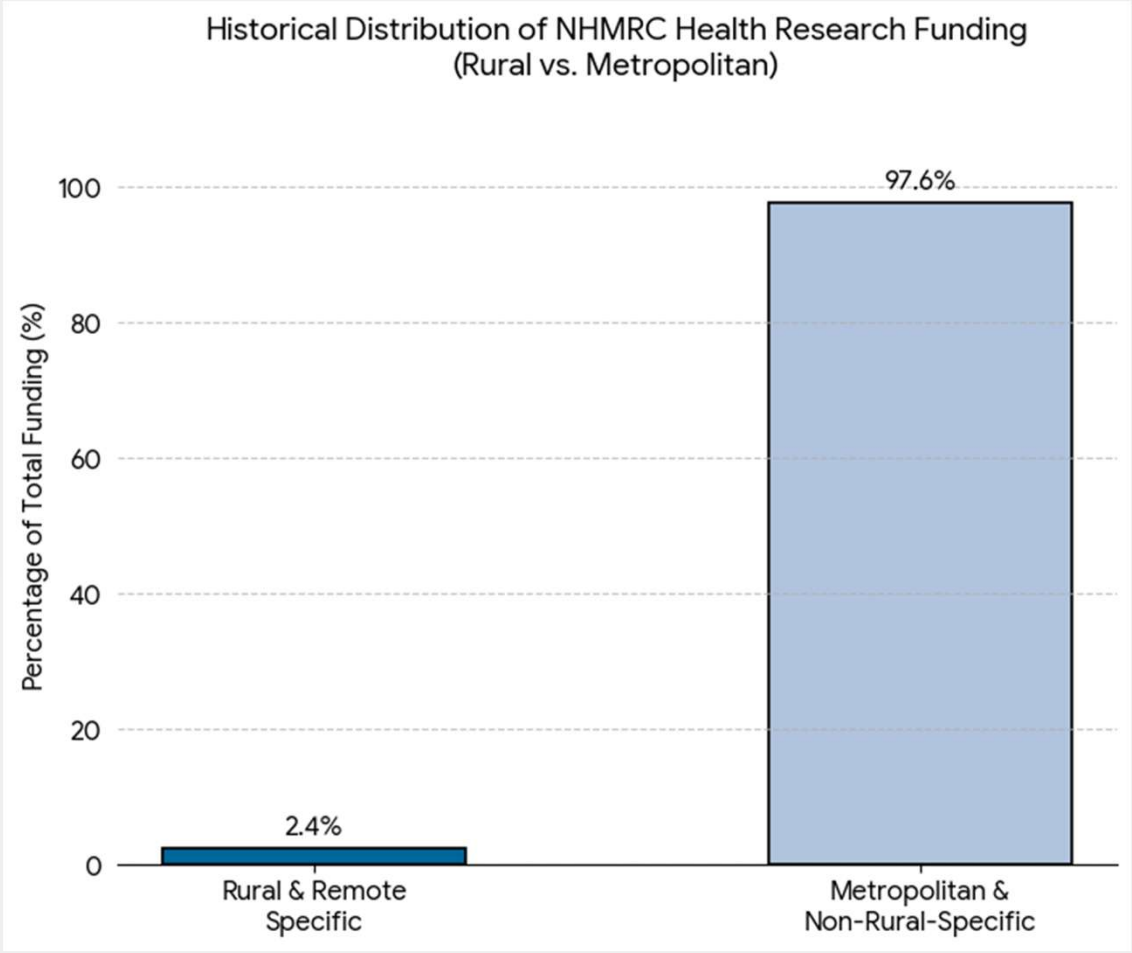
1 Broadus, RN (1987). Toward a definition of "bibliometrics" *Scientometrics 12*, 373–379
2 Ninkov, A., Frank, J.R. & Maggio, L.A. (2022) Bibliometrics: Methods for studying academic publishing, *Perspectives on Medical Education*, *11*(3), 173-176.

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Bibliometric Review

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Of the 16,651 National Health and Medical Research Council-funded projects, 185 (1.1%) that commenced funding during the period 2000–2014 were defined as 'Australian Rural Health Research'. The funding for Australian Rural Health Research increased from **1.0% of the total in 2005 to 2.4% in 2014**.



Barclay, L., Phillips, A., & Lyle, D. (2018). Rural and remote health research: Does the investment match the need? *Australian Journal of Rural Health*, *26*(2), 74–79. https://doi.org/10.1111/ajr.12429

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Bibliometric Review

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My input

- Reviewing the previous strategy and source
- Consulting peers
- Revising the strategy to four databases
- Running the strategies
- Collecting results in EN

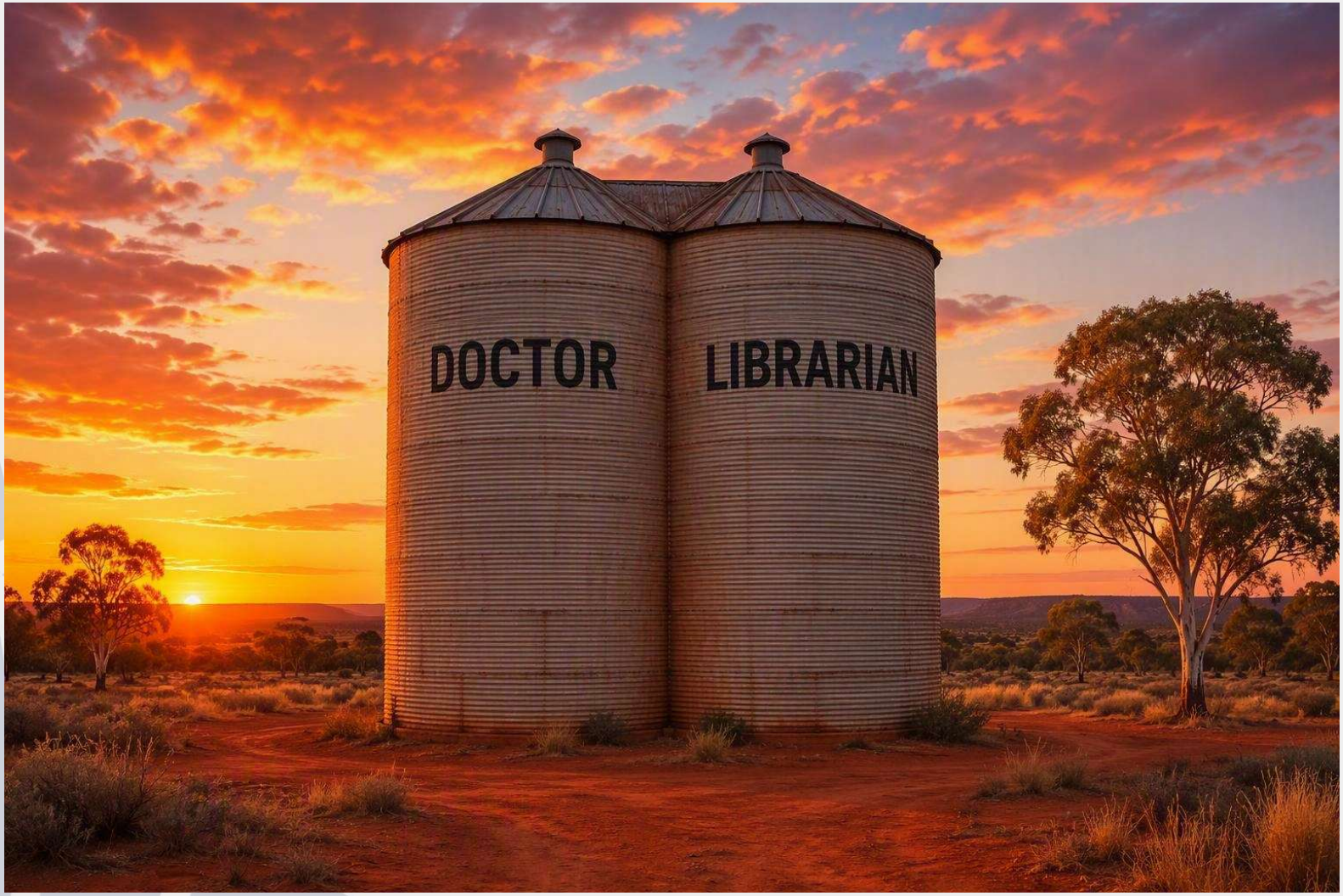
- Participating in regular research team meetings – decision making on inclusions/exclusions, questions to be answered
- Setting up Covidence
- Screening articles in Covidence – now complete
- Crunching the numbers is next...

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Co-author

Clinician-Librarian collaboration

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Microsoft Copilot. (2026). *Doctor and librarian silos joined together in the Australian outback* [AI-generated image]. Microsoft Copilot.

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Co-author

Clinician-Librarian collaboration

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1st 6 months

- Clinician approached by publisher
- Clinician invited librarian – 65/35 split
- Aims discussed

2nd 6 months

- Reading, research, recording evidence
- Mapping content
- Drafting

3rd 6 months

- Writing, rearranging, critiquing each other's work
- Referencing
- Meeting publisher's requirements.
- Submission of 17 chapters +

Now…

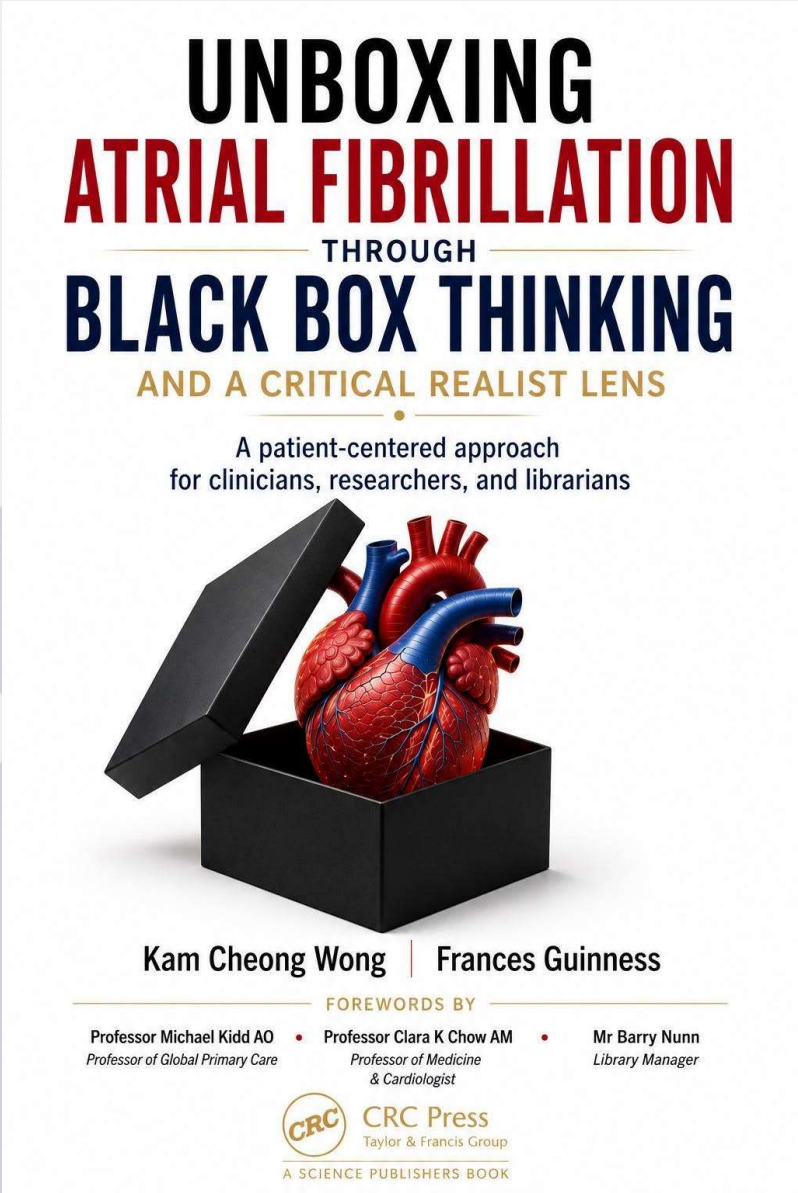
Both proofed the text.

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Co-author

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My input

- History – literature, medical literature, technology
- Sources of information
- Search strategies
- Information management
- Library contribution to research process
- Critiquing co-author's work
- Writing (2 of 17 chapters),
- Arrangement of content
- Referencing
- Proofreading

AI creation by Dr Kam Wong, 2026

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MD Research Project

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From petrified 3rd year med student to publication:

- ✓ Supervisor-suggested project
- ✓ Medical information consultation with librarian – petrified student
- ✓ Understanding of aims – calmer student
- ✓ Assessment tasks complete – happier student
- ✓ Work with supervisors to develop framework – bored student
- ✓ Suggest publication – moderately happy student
- ✓ Accepted & in preprint – amazed & delighted student!

My input

- Initial 1 hour consultation
- Search sources/strategies for source papers (2), & guidelines
- Sources for citation searching
- Aquiring hard to find documents for analysis
- Likely journals for publication
- Invited to be an author (declined).
- Article review

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MD Research Project

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Mactier, H., Wong, K.C. & Saurman, E. (2026). **Beyond citation counts: A novel framework for research translation analysis.** [*Scientometrics*] (preprint).

From the abstract: When research translation is assessed, it is typically inferred from citation counts. These metrics provide little insight into *how or why research is cited*. They cannot distinguish between citations that support, critique, or misrepresent findings, limiting their usefulness in evaluating the downstream impact of scientific research.

By moving beyond citation counts, *the framework enables a more meaningful evaluation of how and why evidence is, or is not, translated into clinical practice and subsequent research.*

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On Reflection

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- **Don’t be afraid to get involved**
- **Have confidence in your skills and offer them**
- **You will find time**
- **Always learning – if we do, we understand, and can better advise others**
- **Different aspects of health research – so many to choose from!**

Thank you for listening ☺



Microsoft Copilot. (2026). *From doubt to confidence.* [AI-generated image]. Microsoft Copilot.

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