
Aged Care AMS – Celebrating Antimicrobial Awareness Week

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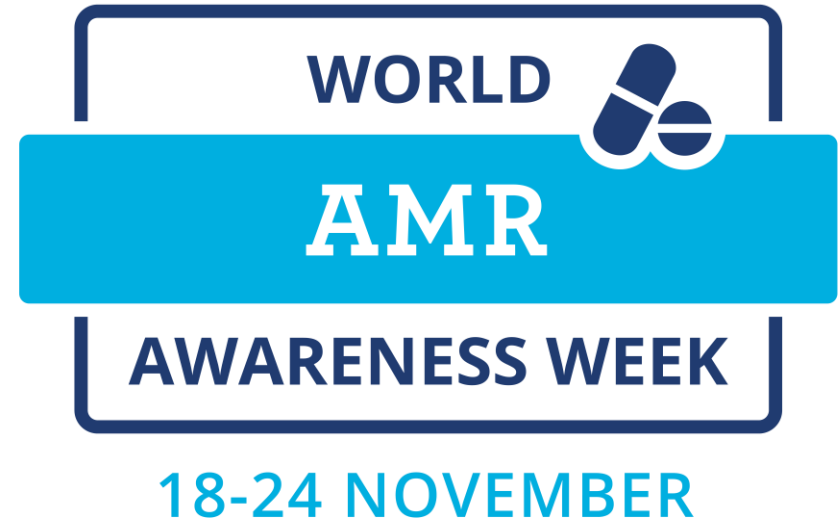
Disclosures

- No Conflict of Interest to declare
- Melbourne Health (Guidance group) receives Australian Department of Health and Aged Care funding to facilitate the Aged Care NAPS survey and platform (AURA Surveillance Strategy)

Format for today's talk



- New data from Aged Care NAPS
- New research findings (top papers from 2024)
- New government funding
- New research from NCAS on the way!



**EDUCATE.
ADVOCATE.
ACT NOW.**

Aged Care NAPS



In 2023 the NAPS involved:

- 53,843 residents
- 852 facilities (30.4% of all aged care facilities: 64.5% of public, 23.8% of not-for-profit, 26.6% of private)

Measurement	Prevalence			
	2021	2022	2023	HALT 2016-17*
Residents with signs and/or symptoms of at least one suspected infection	3.1	3.0	4.0	2.1
Residents prescribed at least one antimicrobial	14.6	13.6	13.2	-
Residents prescribed at least one antimicrobial (<u>excluding</u> PRN orders not administered in the last 7 days)	10.4	10.5	10.7	-
Residents prescribed at least one antimicrobial (<u>excluding</u> topical antimicrobials)	7.3	7.7	7.8	4.9

Crude comparison with 3rd HALT study (2016-17) -2,232 LTCFs

Note: **Antiviral (systemic use)**, topical and antiseptic agents excluded.

Reference: European CDC PPS of HAIs and AM use in European LTCFs: 2016-2017, Stockholm: ECDC; 2023.

Aged Care NAPS

Most common indications	2021	2022	2023
Other – Skin, soft tissue or mucosal	25.1%	22.1%	17.8%
Cystitis	13.6%	14.6%	14.5%
Tinea	9.6%	6.1%	6.3%
Pneumonia	4.1%	5.3%	5.8%
Wound infection: Non surgical	6.2%	6.0%	5.6%

Quality indicators	2021	2022	2023
Indication for prescribing an antimicrobial documented	73.6%	80.3%	83.0%
Review or stop date documented	44.7%	56.8%	56.6%

In 2023, for antimicrobials still prescribed on the survey day, the start date was unknown for 2.4% of prescriptions and **34.7% were commenced greater than 6 months prior.**

What's new in aged care AMS
research?

Top 5 Papers



Paper 1:

Hartman et al. *Trials* (2024) 25:691
<https://doi.org/10.1186/s13063-024-08545-4>




Trials

RESEARCH

Open Access



Implementation of a tailored multifaceted antibiotic stewardship intervention to improve antibiotic prescribing for urinary tract infections in frail older adults (ImpresU) in four European countries: a process evaluation alongside a pragmatic cluster randomized controlled trial




Esther A. R. Hartman^{1,2,3*} , Wim G. Groen^{1,2}, Silje Rebekka Heltveit-Olsen⁴ , Morten Lindbæk⁴, Sigurd Høyø⁴, Sara Sofia Lithén⁴, Pär-Daniel Sundvall^{5,6}, Sofia Sundvall⁶, Egill Snaebjörnsson Arnljots^{5,6}, Ronny Gunnarsson^{5,6}, Anna Kowalczyk⁷, Maciej Godycki-Cwirko⁷, Alma C. van de Pol³, Tamara N. Platteel³, Annelie A. Monnier^{1,2} , Theo J. M. Verheij³ and Cees M. P. M. Hertogh^{1,2}

Paper 2:

JAC Antimicrob Resist
<https://doi.org/10.1093/jacamr/dlae016>

**JAC-
Antimicrobial
Resistance**

Pilot study to evaluate the need and implementation of a multifaceted nurse-led antimicrobial stewardship intervention in residential aged care

Natali Jokanovic¹, Sue J. Lee¹, Terry Haines², Sarah N. Hilmer³, Yun-Hee Jeon ⁴, Laura Travis¹, Darshini Ayton⁵, Eliza Watson ¹, Tess Tsindos⁵, Andrew J. Stewardson¹, Rhonda L. Stuart⁶, Allen C. Cheng⁷, Trisha N. Peel^{1†} and Anton Y. Peleg ^{1,8*†}; on behalf of the START Trial Group‡

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Paper 3:

Bocquier et al. *Antimicrobial Resistance & Infection Control* (2024) 13:29
<https://doi.org/10.1186/s13756-024-01385-6>

Antimicrobial Resistance &
Infection Control

REVIEW

Open Access

Resident-, prescriber-, and facility-level factors associated with antibiotic use in long-term care facilities: a systematic review of quantitative studies



Aurélie Bocquier^{1*}, Berkehan Erkilic¹, Martin Babinet², Céline Pulcini^{1,3}, Nelly Agrinier^{1,2} and on behalf of the ORANEAT Study Group

Paper 4:

Research in Social and Administrative Pharmacy 20 (2024) 747–754



Contents lists available at [ScienceDirect](#)

Research in Social and Administrative Pharmacy

journal homepage: www.elsevier.com/locate/rsap



Original Research

Exploring stakeholders' perspectives on antibiogram use, development, and implementation in residential aged care settings

Dipti Khatri^{a,*}, Nazanin Falconer^{a,b,c}, Soraia de Camargo Catapan^{a,d}, Sonali Coulter^e, Leonard C. Gray^a, David L. Paterson^{f,g,h}, Christopher Freeman^{b,g,h}

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^h Metro North Hospital and Health Service, Herston, QLD, Australia



Paper 5:

Monash Bioethics Review
<https://doi.org/10.1007/s40592-024-00191-5>

ORIGINAL ARTICLE



Distributive justice and value trade-offs in antibiotic use in aged care settings

Jane Williams^{1,2} · Sittichoke Chawraingern¹ · Chris Degeling¹

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What's new in aged care AMS
policy?



Aged Care On-site Pharmacist Measure

- Commenced on 1 July 2024,
- Australian Government is providing funding for community pharmacies and residential aged care homes (RACHs) to employ pharmacists to work on-site in residential aged care homes.
- The Measure provides funding to:
 - Community pharmacies to employ and place pharmacists in RACHs.
 - RACHs to engage on-site pharmacists directly, where community pharmacies can't or choose not to participate, or the RACH and community pharmacy can't come to a suitable agreement.
- The role comprises 5 key areas:
 - Person centred care, interprofessional collaboration and communication, clinical governance, medication management, Quality use of Medicines
- The aged care on-site pharmacist will be involved with antimicrobial stewardship, both for individual residents and across the facility.

<https://www.health.gov.au/resources/publications/aged-care-on-site-pharmacist-measure-pharmacist-and-residential-aged-care-home-guide>

What's new at NCAS?



NCAS
National Centre for
Antimicrobial Stewardship



RADAR
One Health

Redesign of Antimicrobial Stewardship Programs in the Digital Era across One Health (RADAR – 1H)

Hiring soon (in Melbourne)



- One Aged Care AMS Post-Doctoral Fellow
- This role will ideally suit a clinician (e.g. AMS nurse, AMS pharmacist or other clinician with an ID or IPC specialty or interest)
- The RMH Guidance Group will be hiring this role

Accepting EOIs from PhD candidates



NCAS
National Centre for
Antimicrobial Stewardship

One Aged Care AMS PhD opportunity will soon be available within the Department of Infectious Diseases at the University of Melbourne.

- Stipend funding is secured
- NCAS has a proven track record in successfully supporting PhD candidates to completion

NCAS RADAR One Health EOs



Please contact Leslie Dowson to express your interest in, or to request more information about, any of the NCAS RADAR One Health positions:

leslie.dowson@unimelb.edu.au



Questions?