



## Antimicrobial Resistance and Infection Control (AMRIC)

*Antimicrobial stewardship updates in advance of  
European Antibiotic Awareness Day 18<sup>th</sup> November*  
October 23<sup>rd</sup> 2024



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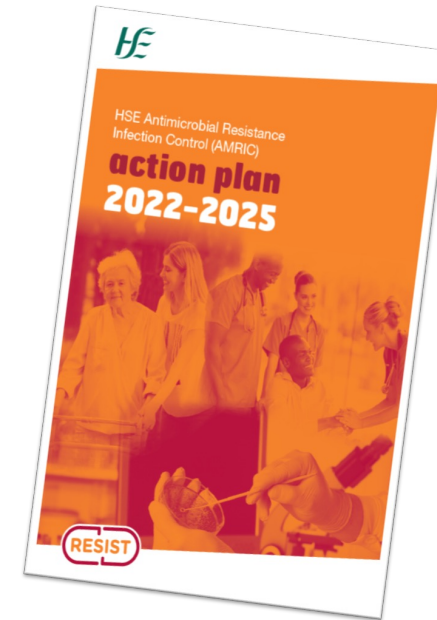


Antimicrobial Resistance &  
Infection Control Programme



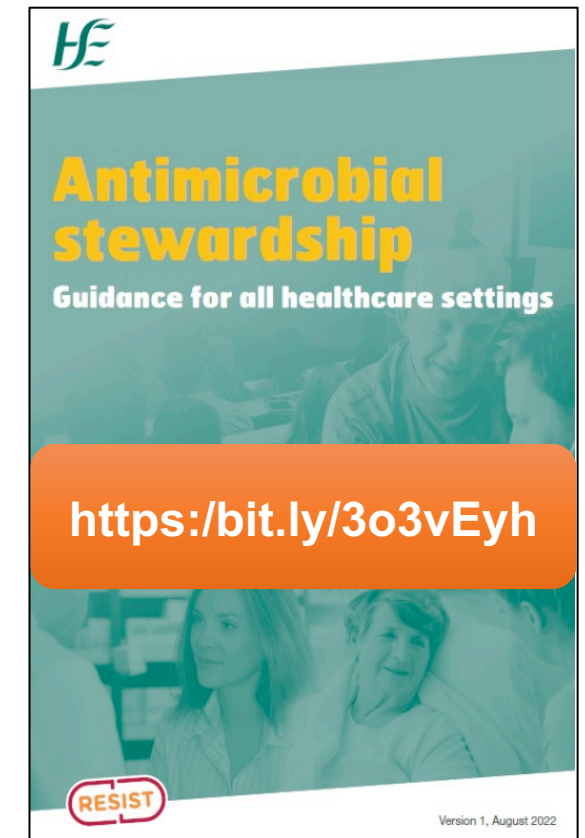
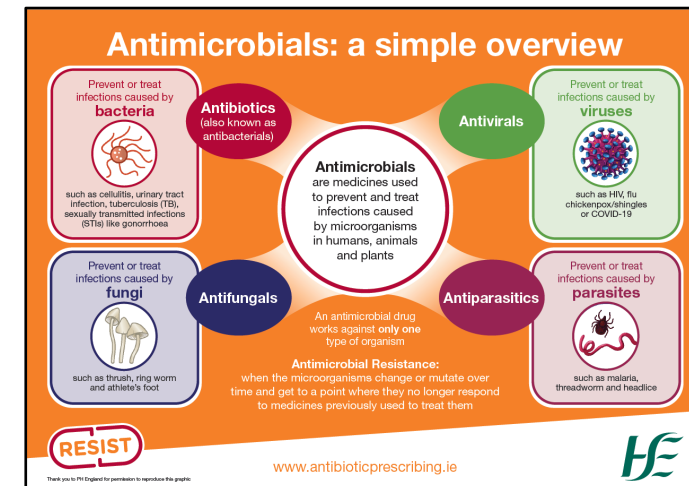
# Purpose of this webinar

- Acknowledge
- Support and engage with each other
- Share information
- Enhance patient safety



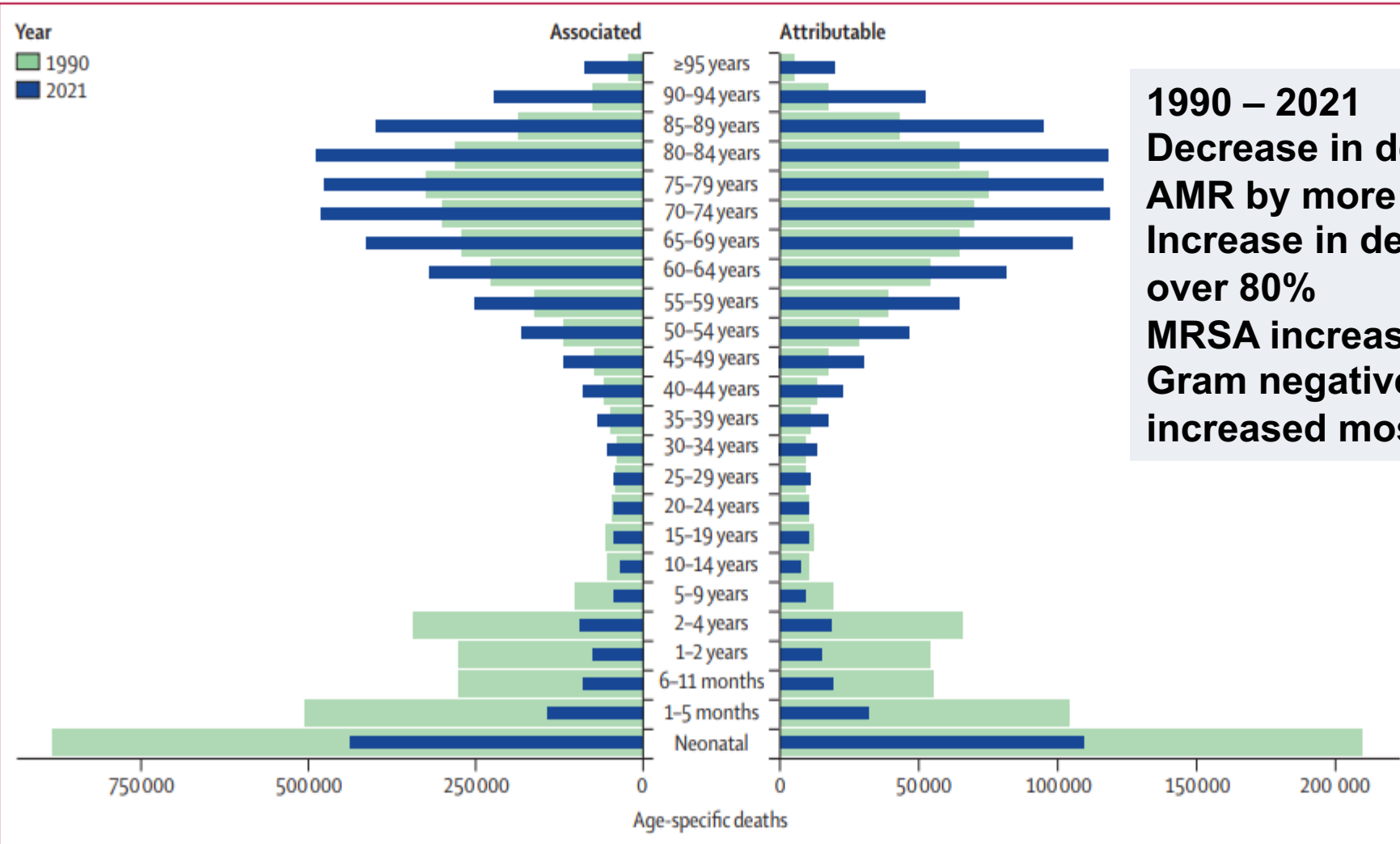
# Antimicrobial stewardship

- Any action that promotes the responsible use of antimicrobials
- All healthcare workers are antimicrobial stewards
- All have a role in preventing/reducing development of AMR
- AMR major challenge to our delivery of healthcare and impacts us all as patients/service users
- Each action – small and large – is vitally important
- Pledge to take one additional AMS action in your work



# Global burden of AMR

**2021:** 4.71m deaths associated with bacterial AMR  
inc 1.14m attributable to bacterial AMR



## 1990 – 2021

**Decrease in deaths in children under 5 from AMR by more than 50%**

**Increase in deaths in older adults over 70 by over 80%**

**MRSA increased the most in these deaths**  
**Gram negative – carbapenem resistance increased most among deaths**

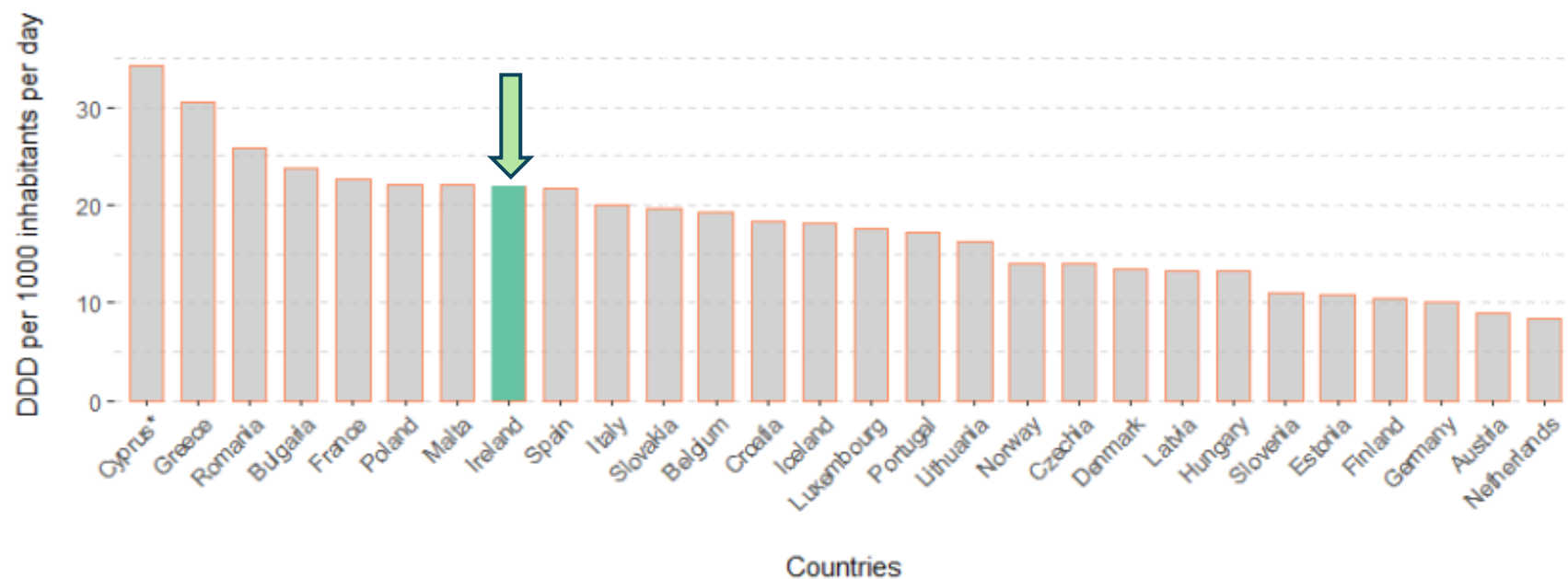
Figure 2: Deaths attributable and associated with antimicrobial resistance, by detailed age group, for 1990 and 2021

Counterfactuals have distinct x-axes.

# European comparison

## International Comparison

Figure 20: Antimicrobial Consumption in the EU Member States in 2022



\* Countries provided only total (hospital and primary care) consumption



# **IOP/HSE AMRIC session RCSI charter week 2023**

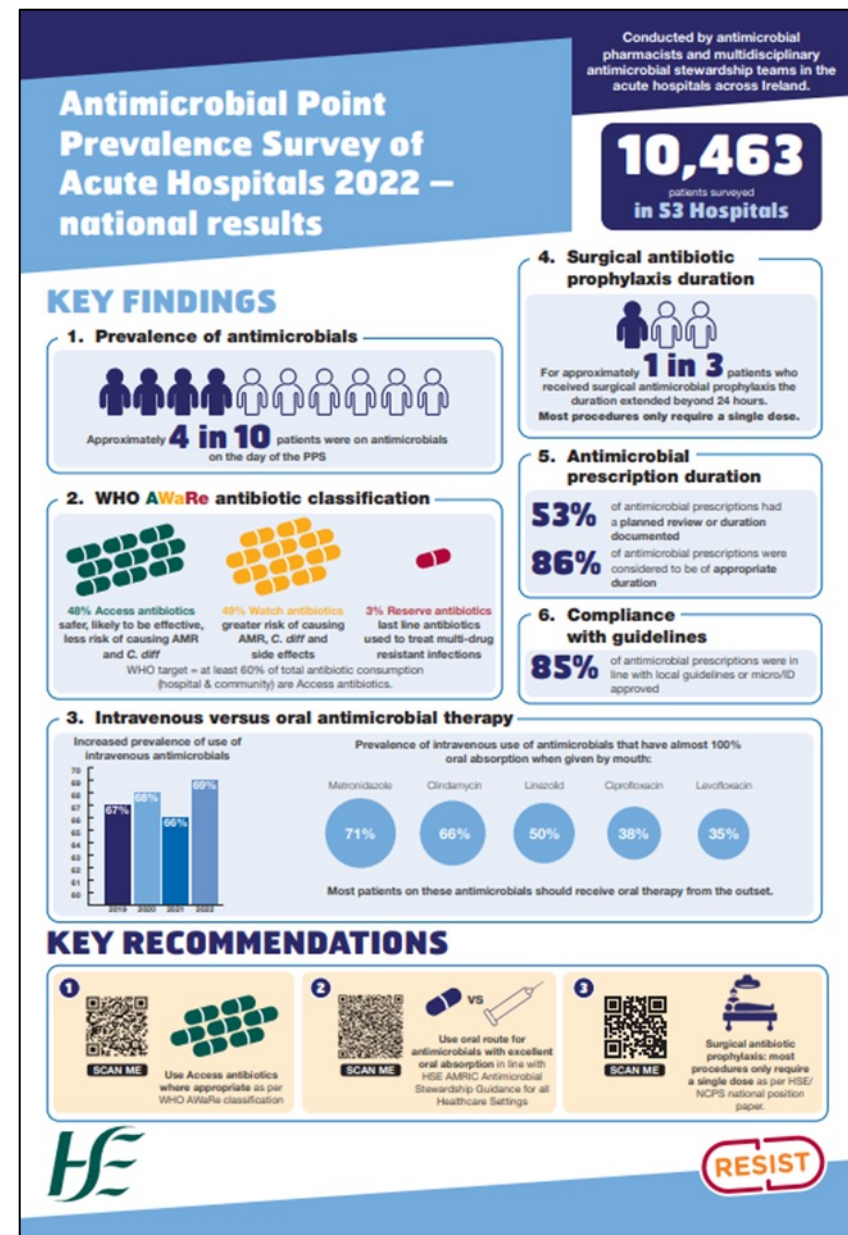
## **‘Shaping the future’**

- Key stakeholders: DOH, PSI, IPU, UCC
- ‘Empowering all pharmacists to deliver antimicrobial stewardship’
  - How stakeholders currently support pharmacists and future supports required
- Outputs paper
  - Key themes:
    1. Priority is patient safety
    2. Collaborative cross-sector approach
    3. Maximise pharmacists’ contribution to AMS and practice to the full scope of the profession’s expertise
  - Key outputs:
    1. Enhancing the role of the community pharmacist in AMS
    2. Enhancing the role of specialist antimicrobial pharmacists
    3. Foster interest in AMS among pharmacy students



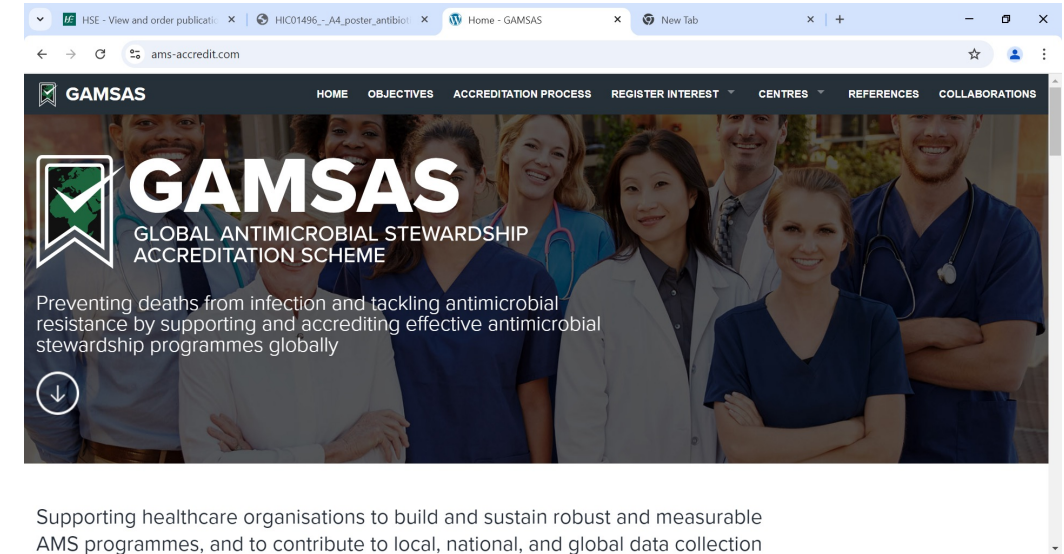
# National Antimicrobial Point Prevalence Survey of acute hospitals

- 2024 data collection: Sept 12<sup>th</sup> – Oct 9<sup>th</sup>
- Data analysis is in progress
- 44 hospitals participated
- 2022:
  - Over 10,000 patients surveyed
  - 4 out of every 10 inpatients on an antimicrobial



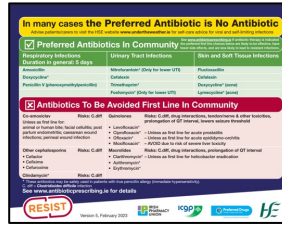
# AMS programme accreditation in acute hospitals

- St Columcille's Hospital, Loughlinstown
- Cavan & Monaghan Hospital
- St James's Hospital, Dublin
- St Vincent's University Hospital, Dublin
- National Rehabilitation Hospital, Dun Laoghaire

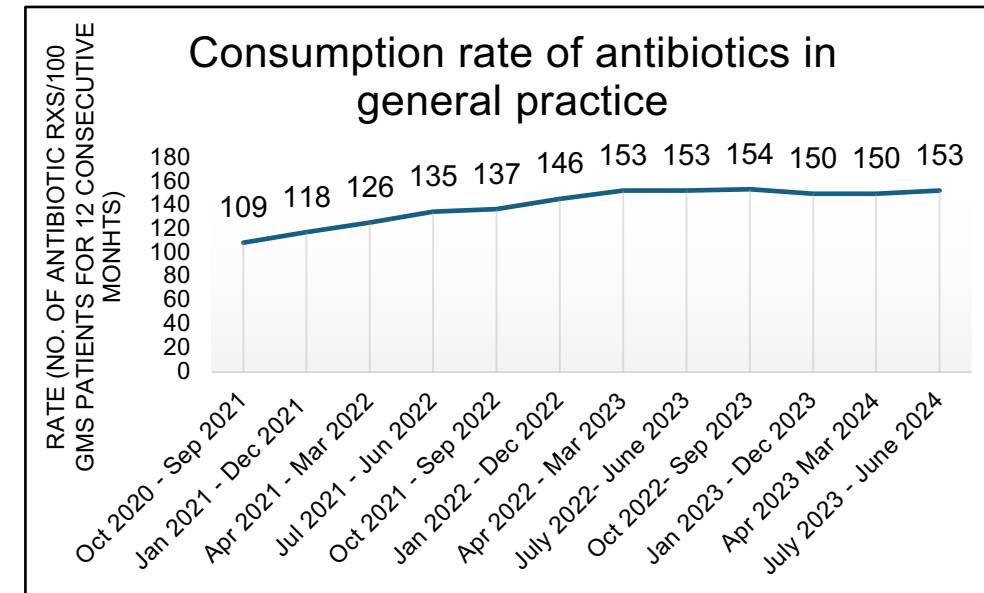
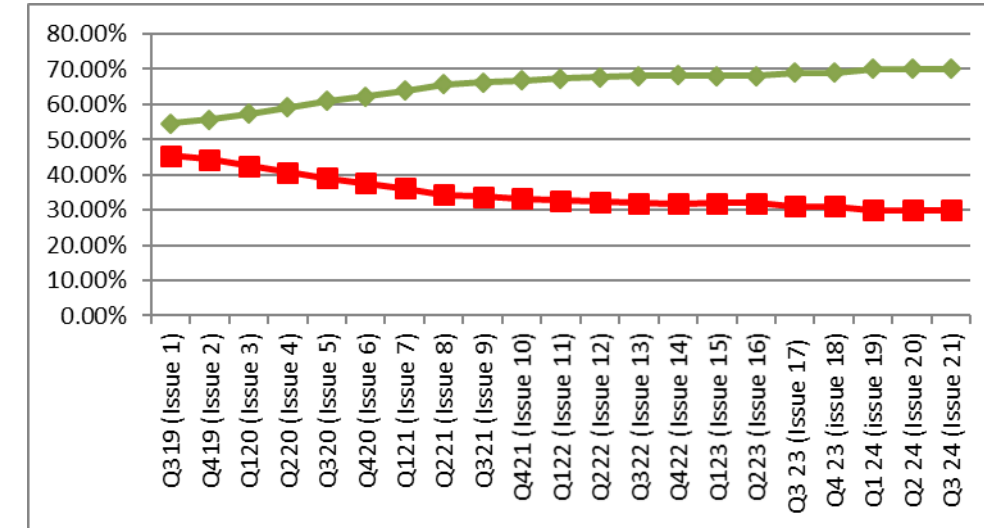




# Antibiotic Quality Improvement Initiative for Community Prescribers: AMRIC and Primary Care Reimbursement Service (PCRS)



- 3,000 GPs receive quarterly report on their antibiotic prescribing over a rolling 12 month period
- Comparisons to regional and national rates
- Key message re: prudent antibiotic use in each issue
- This message is shared on PAMS-net & IPU newsletter



# AMRIC GP team

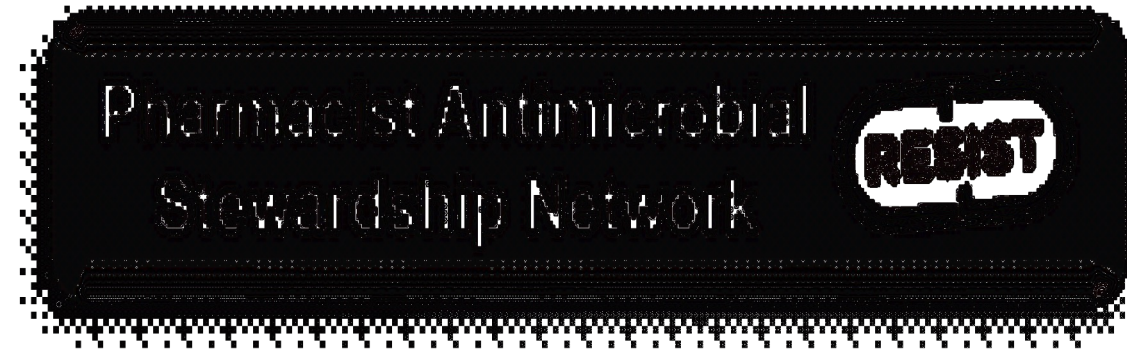
- Guideline development [antibioticprescribing.ie](https://antibioticprescribing.ie)
- Educating GP colleagues on guidance
  - Webinars
  - GP conferences
  - eLearning modules
  - Articles for Forum
  - Podcasts
  - Newsletters
  - Small group continuing medical education
  - GP trainees
- Out of hours quality improvement project in progress
- Green red quarterly AMRIC PCRS reports



- Dr. Edel Doorley
- Dr. Paul Ryan
- Dr Scott Walkin (AMRIC ICGP Lead)

# Pharmacist Antimicrobial Stewardship Network (PAMS-net) AMRIC/Irish Institute of Pharmacy (IOP) joint collaboration

- **Mission statement:** To support pharmacists across all sectors to work towards the common goal of promoting responsible use of antimicrobials in all patients and limiting the emergence of antimicrobial resistance.
- **Vision:** A more joined up approach to AMS across the pharmacy profession
- Education and discussion forum



**260**  
pharmacist  
members

# European Antibiotic Awareness Day 18<sup>th</sup> Nov.

- Acute & community antimicrobial pharmacists in local campaigns: resource packs
- Community pharmacists mailing in partnership with the IPU
- Newsletters
- IOP webinar Wednesday 23<sup>rd</sup> October 20:00
- AMS eLearning modules: IOP, HSeLanD

**Antibiotics should only be taken when absolutely necessary.**

They can cause harm and can have serious side effects for adults and children:

- Rash
- Loss of appetite
- Nausea
- Diarrhoea
- Thrush
- Can cause superbugs



If your doctor says you don't need an antibiotic, that's ok. Many common illnesses don't require an antibiotic. Your body will be able to fight the infection on its own.

# **AMRIC Communications team**

- Patient and public engagement
  - Social media campaign
- [www.healthpromotion.ie](http://www.healthpromotion.ie) search RESIST
  - Posters
  - Patient information leaflets
- Partner packs for EAAD
  - AMR information and facts, key messages, a news release and social media assets from @hselive - #keepantibioticsworking #antimicrobialresistance

