



Antibiotiques
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Press release

Gentilly, November 10th

An engaging and educational Fresco Understanding the Challenges of Antimicrobial Resistance

→ **Understand the risks of antimicrobial resistance in just 15 minutes!**

That's the challenge launched by the Biocodex Microbiota Institute with its first interactive digital fresco, designed to raise broad awareness of this global threat.

→ **Available free of charge in 7 languages** on the Institute's website, this initiative is one of the highlights of **World Antimicrobial Awareness Week (18–24 November)**.

Antimicrobial resistance (AMR) is a silent pandemic growing every year and could, by 2050, become the **leading cause of death worldwide**, surpassing cancer. The **World Health Organization** has made AMR a global priority and has been organizing World Antimicrobial Awareness Week annually since 2015. The campaign aims to raise awareness and understanding of antimicrobial resistance and to promote coordinated actions to combat the emergence and spread of drug-resistant pathogens.

As a cornerstone of scientific information and a major player in education and training for both healthcare professionals and the general public on the importance of human microbiota, the **Biocodex Microbiota Institute** is participating in this campaign for the **sixth consecutive year**, by launching an educational, engaging, and interactive workshop: **the first awareness fresco on antimicrobial resistance**.

15 minutes to understand the urgency – and take action

Primarily designed for healthcare professionals (general practitioners, pharmacists, pediatricians, hospital staff, and healthcare students), the workshop is **simple, visual, and participatory**.

It takes the form of a **game of 60 cards**, allowing participants to reconstruct different antibiotic-use scenarios and assess their consequences at several levels – microbiota, patient, healthcare system, and society.

The workshop then provides an opportunity to step back and reflect on the global risks of antimicrobial resistance (rising mortality, pressure on research, potential return to a “post-antibiotic era”).

Finally, it concludes on a **positive and solution-oriented note**, presenting concrete, multi-stakeholder actions: prevention, vaccination, research, responsible prescribing, and the **One Health approach**.

For the first time, this tool is **available to everyone**, freely accessible and downloadable online.

A ready-to-use tool for all

- Developed in partnership with **Querceo**, the workshop was designed for easy deployment:
- **Short duration** (15 minutes) and adaptable format for groups of about ten participants.
- Can be used during **medical conferences, hospital staff meetings, university courses, or public events**.
- **No prior scientific knowledge required**.

MICROBIOTA FRESK

Antibiotic Resistance Workshop for Healthcare Professionals

This 'print-yourself' version of the microbiota fresk consists of 2 modules:

1 "arrow" card

1st MODULE

44 cards
(24 scenario cards, 5 risk cards et 15 consequence cards.)

2nd MODULE

19 cards

By making this tool freely accessible, the Biocodex Microbiota Institute pursues several key objectives:

- **Equip healthcare professionals** to strengthen their role as mediators with patients and the public.



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- **Raise collective awareness** of a major health and environmental issue.
- **Mobilize society** at large against antimicrobial resistance — because everyone has a role to play.

A public-interest initiative confirmed by Observatory data

Recent data from the **International Microbiota Observatory** show that while awareness is increasing, major gaps remain.

Nearly **3 out of 4 people** now know that antibiotics impact their microbiota (73%, +4 points vs 2023). Yet, **only 2 in 5 patients** report having received information from a healthcare professional about these effects (39%), and just **38% say they were advised on how to limit them**.

“These figures reveal a concerning gap: while public awareness is growing, **medical guidance on antibiotic use remains insufficient**,” notes **Olivier Valcke, Director of the Biocodex Microbiota Institute**.

“This interactive and educational workshop is not intended to replace the information provided by healthcare professionals, but rather to offer a complementary perspective. Its goal is clear: **to strengthen dialogue between healthcare providers and patients**, and to **raise broader public awareness** of this major health challenge — one that shapes today’s medicine and will determine the health of future generations.”



The full workshop (facilitator’s guide, video, and card game) is now available for free download on the Biocodex Microbiota Institute website:

<https://www.biocodexmicrobiotainstitute.com/en/pro/antimicrobial-resistance-fresco-learn-play-and-act-now>

