

Applying Behavioural and Cultural Insight to tackle Antimicrobial Resistance

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Tailoring Antimicrobial Resistance Programmes (TAP)

**Designing
evidence-based
interventions to
mitigate AMR**



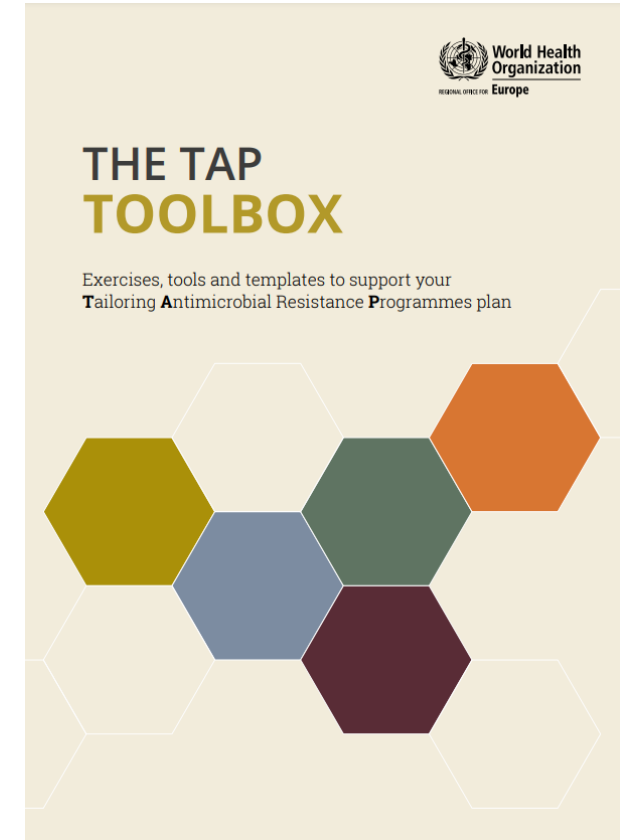
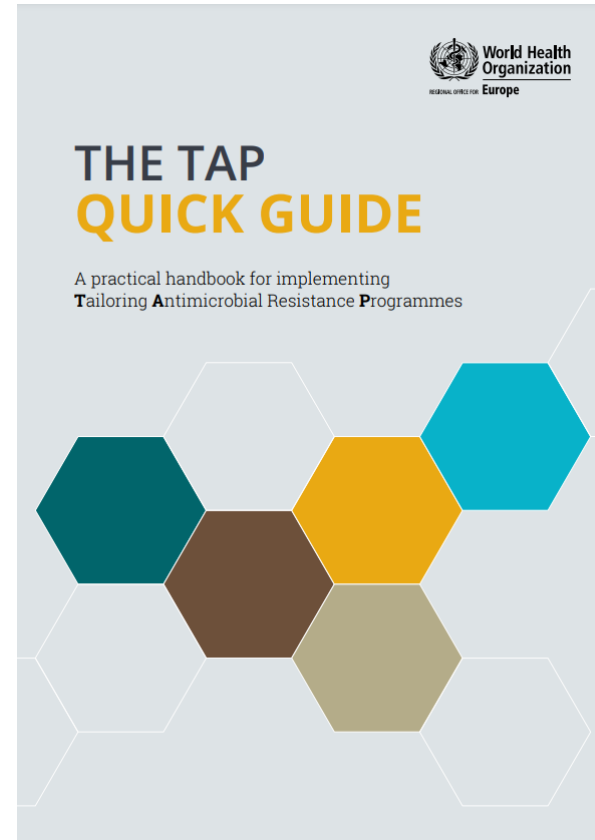
Tailoring Antimicrobial Resistance Programmes (TAP)

TAP Quick Guide:

Step-by-step, practical approach to design and implement a targeted behaviour change intervention to address drivers of AMR

TAP Toolbox:

Series of exercises and tools to work through 5 stages outlined in the TAP Quick Guide.



1. Engage: Are you ready?

This stage is about planning. What capacity is there to carry out the process? Do you have the right resources to start? Think about people, and time and money needed and available, before you decide to go ahead and plan your process.

2. Analyse: What do we know already?

Do you understand your context? What is the question or behaviour you wish or need to address? This situation analysis phase guides you through reviewing relevant data and speaking to stakeholders before collating findings into a set of questions and associated behaviours to be addressed.

4. Design: Build your strategy and interventions.

Define the behaviour you wish to address, the related barriers and drivers, and the possible interventions that might be applied. This is where the BCW framework and COM-B tool help you to understand AMR-related behaviours and consider options available to address them. You may wish to incorporate this step into your research plan.

3. Prioritize: What is the priority behaviour to address?

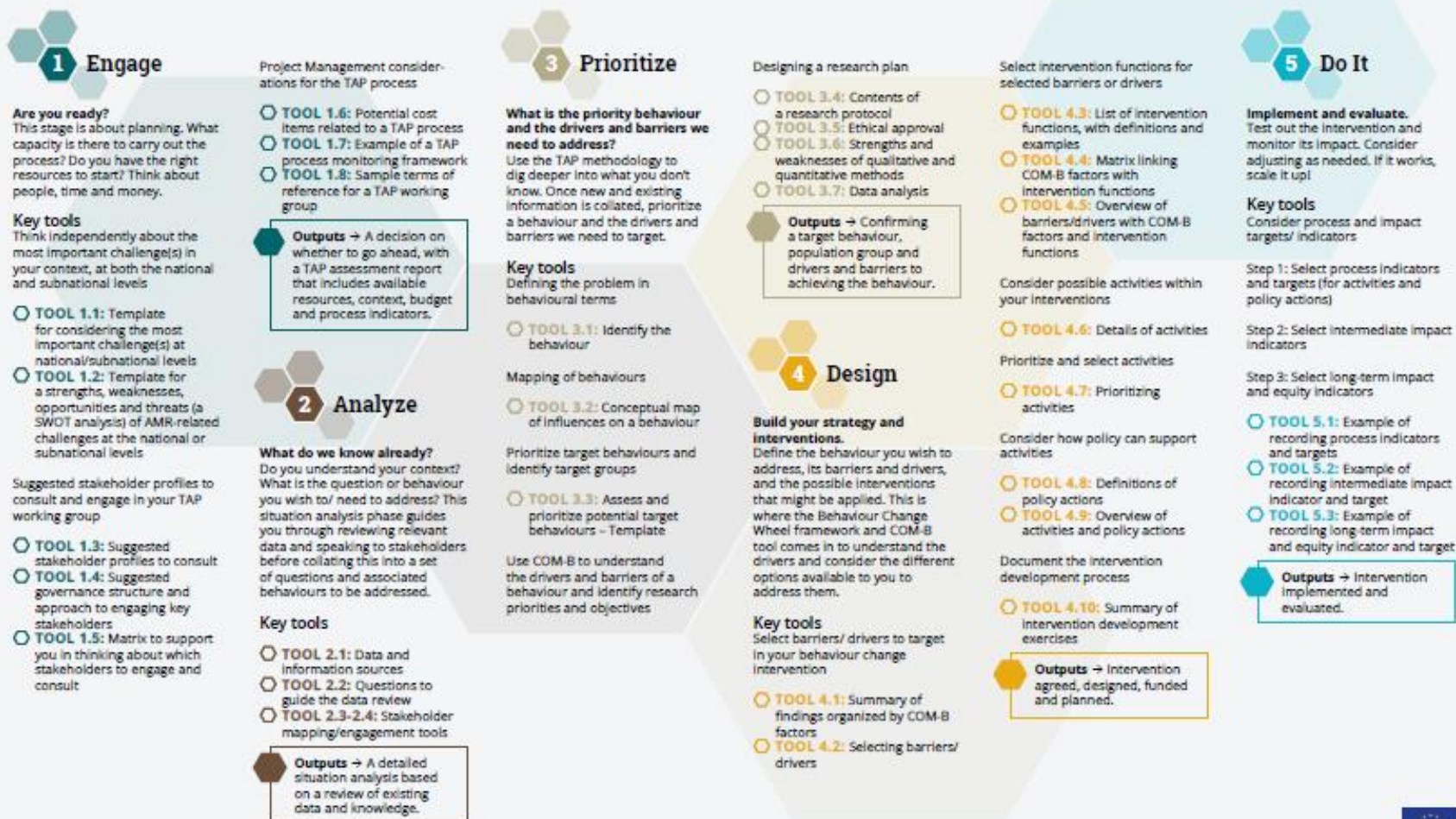
Use the TAP methodology to dig deeper into what you do not know. Once new and existing information is collated, prioritize a behaviour and the drivers of and barriers to a target.

5. Do it: Implement and evaluate.

Test out the intervention and monitor its impact. Consider adjusting as needed. If it works, scale it up!

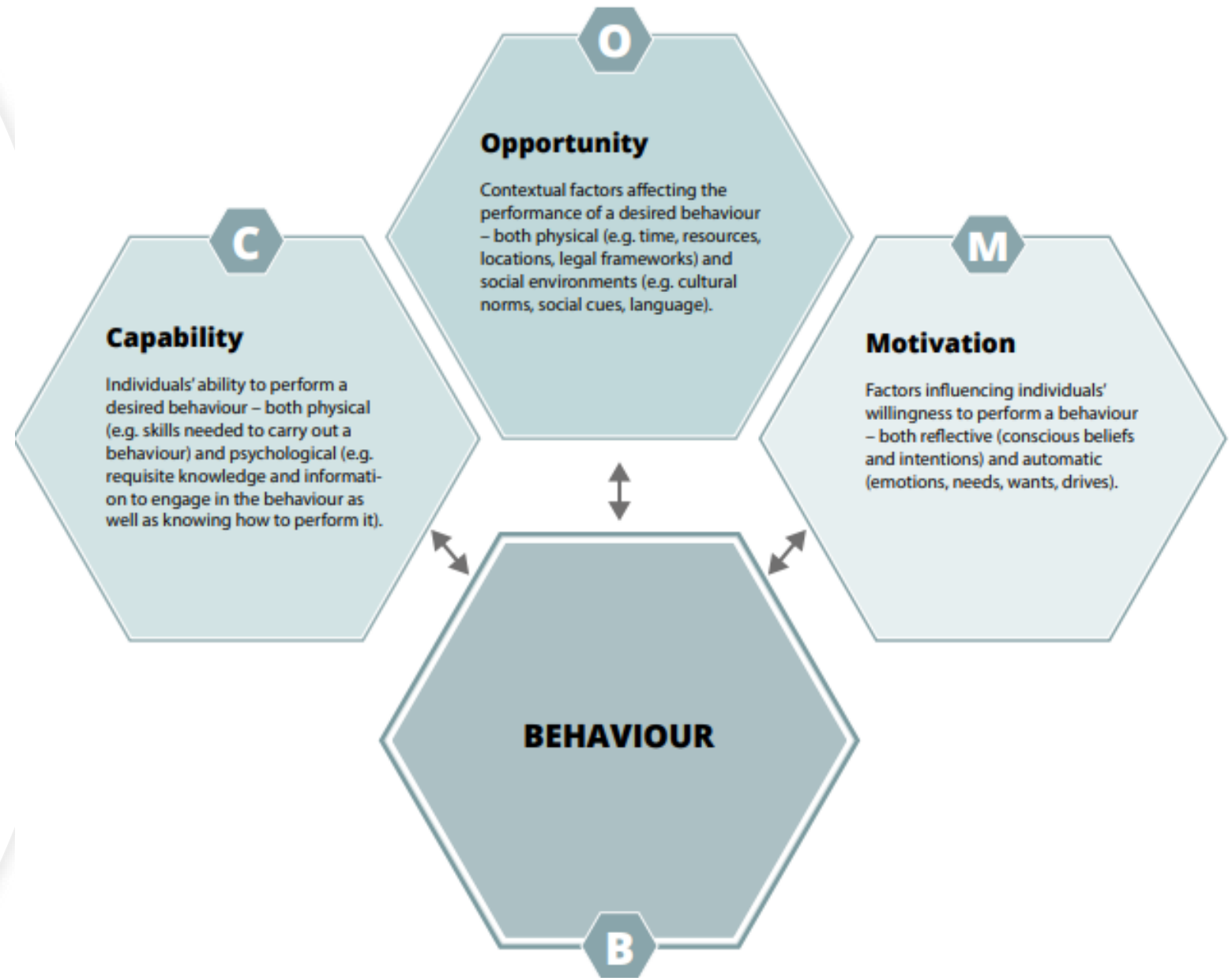
The Tailoring Antimicrobial Resistance Programmes (TAP) Process

The TAP Guide follows a step-by-step, practical approach to design and implement a targeted behaviour change intervention to address drivers of antimicrobial resistance (AMR).



Behaviour Change
Wheel (BCW) model
for understanding
health behaviours.

Capability, Opportunity,
and Motivation for
Behaviour change
(COM-B) framework.



TAP Pilot projects

- **Hungary** –Qualitative analysis of Hungarian general practice paediatricians' antibiotic prescribing capability, opportunity, motivation and behavior
- **Kazakhstan** – study looks at Identifying Barriers and Drivers to Pharmacists Behaviour in Selling Over the Counter Antibiotics in Nur-Sultan, Kazakhstan
- **Georgia** - focuses on Identifying Barriers and Drivers to Introducing a Pilot Antimicrobial Stewardship Programme in Georgia
- **Greece** – early discussion phase , draft concept note shared for discussion and consultation.
- Conducted research:
 - **United Kingdom** - addressing the prescription behavior of general practitioners; and
 - **Sweden** - addressing migrants needs in relation to AMR and antibiotic prescribing



Sweden - addressing migrants needs in relation to AMR and antibiotic prescribing

- Formative phase (situational analysis, determining a main target, additional research, segmentation and prioritising of risk populations, mapping behaviour)
- Implementation phase (set purpose and objectives, design and implementation, monitoring and evaluation)

The aims of the intervention were:

- To improve knowledge about antibiotics and antibiotic resistance.
- To change attitudes towards the use of antibiotics, focussing on self-diagnosis and buying antibiotics without a prescription (over the internet or from country of origin).
- To overcome misunderstandings that Swedish doctors are discriminating against patients when not prescribing antibiotics but instead recommending rest, fluids and self-care.

The three key messages in the intervention were:

- Antibiotics are important medicines, but they are losing their power to cure disease. This might affect you or your family in the future.
- How to use antibiotics correctly; not share with family or friends, not save to a later time. Doctors and nurses are experts whose advice you can trust to get the right help with your illness.
- How to look after oneself; self-care and avoiding spreading disease to others.

Other applications of Behavioural insights

BI application

- **BI considerations when developing the Clinical guidelines in Armenia**
- **Qualitative evaluation of PoP project in Armenia**

Discussion: Contextual Factors in Armenia

- (Resources) Access to correct information
- (Resources) Patient load and consultation time
- (Skills) Communication with different patients
- (Context) Patient pressure or expectations



What other factors can affect health workers' uptake and use of guidelines?



PROTOCOL

Proof-of-principle antimicrobial resistance routine diagnostics surveillance project (PoP project)



Behavioural insights survey - reported antibiotic use for prevention and treatment of COVID-19

[Unpublished data, BCI Unit, WHO/Europe]

Methods

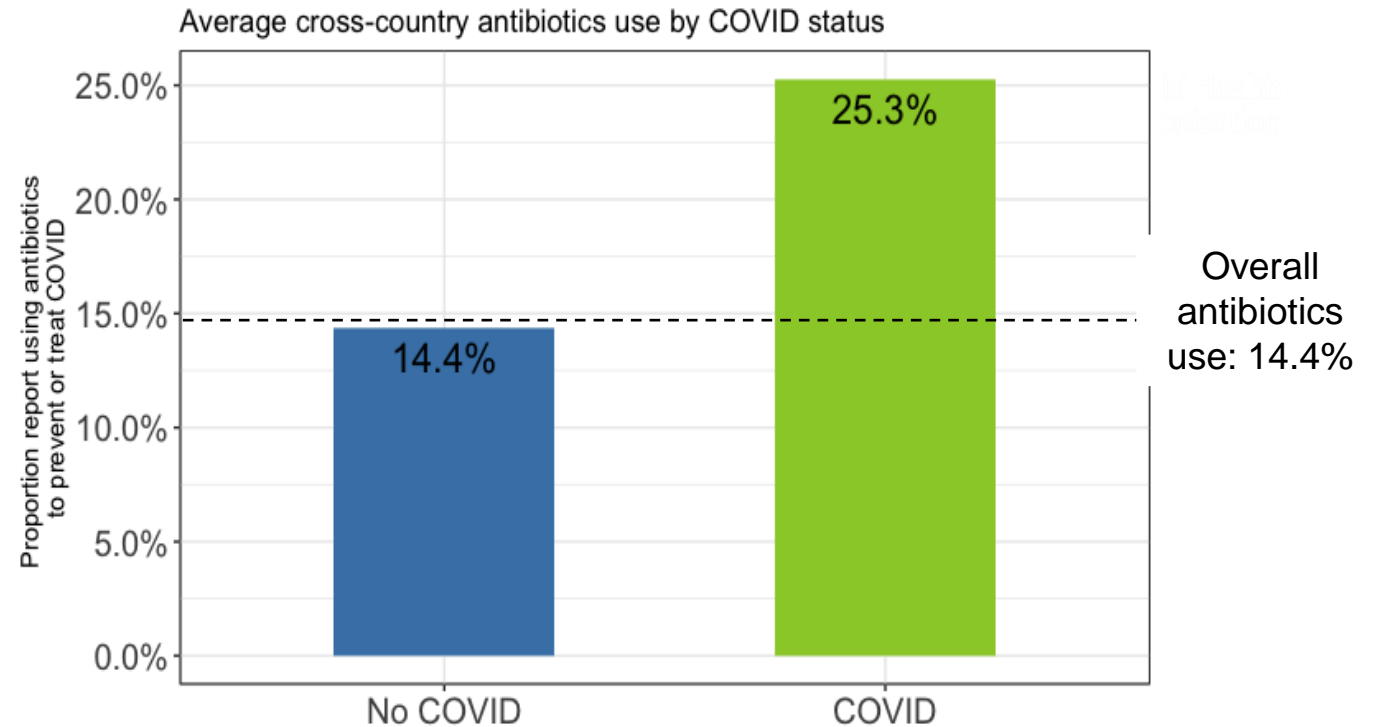
- Quantitative cross-sectional study
- Repeated data collection, 1,000 people per round
- Representative sample: age (18+), sex and geographical distribution
- Standard protocol and questionnaire adapted in each country

Question related to antibiotic use:

- **During the last 7 days**, which of the following measures have you taken to prevent infection from COVID-19?" (...)

"Used antibiotics to prevent or treat COVID-19"

The proportion of antibiotics use by COVID status



Conclusion:

Antibiotics were mainly **used to prevent COVID-19**

Thank you for your attention !

