Effectiveness of interventions to improve the public’s antimicrobial resistance awareness and behaviours associated with prudent use of antimicrobials: a systematic review

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Version: Supplementary Material

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<table>
<thead>
<tr>
<th>Context</th>
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<tbody>
<tr>
<td>(superbug* OR superinfection*):ti,ab</td>
<td>(superbug* OR superinfection*):ti,ab</td>
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<td>MH “Superinfection”</td>
<td>MH “Superinfection”</td>
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<td>MH “Men”</td>
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<td>MH “Women”</td>
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</table>
MH “Parents”
MH “Fathers”
MH “Mothers”
MH “Students”
OR/17-22

**Intervention**

(intervention*):ti,ab

(training OR teaching OR education OR program* OR initiative* OR workshop* OR seminar* OR module* OR session* OR curriculum):ti,ab

MH “Teaching”

MH “Teaching Materials”

MH “Education”

MH “Models, Educational”

MH “Health Education”

MH “Education, Nonprofessional”

MH “Curriculum”

((written OR printed OR online OR oral OR disseminat* OR provi*) N2 (information OR advice OR resource* OR material*)):ti,ab

(pamphlet* OR handout* OR poster* OR leaflet* OR newsletter* OR brochure* OR booklet* OR TV OR television OR radio OR marketing OR advertising OR publicity OR campaign* OR "mass media" OR "communication media" OR outreach OR computer* OR Internet OR online OR website* OR "social media" OR "social network**" OR Facebook OR Twitter OR tweet OR blog* OR SMS OR "short messaging service"* OR text* OR email* OR podcast* OR smartphone* OR ((mobile OR cell OR smart) N1 (phone* OR telephone* OR app* OR application*))):ti,ab

MH “Consumer Health Information”

MH “Health Promotion”

MH “Health Communication”

MH “Persuasive Communication”

MH “Public Health”

MH “Audio Visual Aids”
MH “Manuals as Topic”
MH “Pamphlets”
MH “Advertising as Topic”
MH “Marketing”
MH “Social Marketing”
MH “Mass Media”
MH “Social Networking”
MH “Social Media”
OR/24-48

Outcomes

MH “Program Evaluation”
((behavior N3 (change* OR changing OR alter* OR modification* OR modify OR modifying OR modifies OR modified)) OR intention*):ti,ab

MH “Motivation”
MH "Intention"

(behavior* OR belief* OR view* OR opinion* OR expectation* OR "anticipat* regret" OR knowledge OR awareness OR "health literacy" OR "risk perception*" OR "perceived risk*" OR "perceived susceptibility" OR "illness perception*" OR "treatment perception*":ti,ab

MH “Attitude to Health”
MH “Health Knowledge, Attitudes, Practice”
MH “Health Literacy”

("perceived behavioral control" OR autonomy OR capacity OR "self-efficacy" OR competen* OR confidence OR ability OR skill*):ti,ab

MH "Self Efficacy"

("perceived norm*" OR "injunctive norm*" OR "subjective norm*" OR "descriptive norm*" OR "moral norm*" OR "self-identity"):ti,ab

MH "Social Norms"

((medication* OR drug* OR antimicrobial* OR "anti-microbial*" OR antiinfection* OR "anti-infection*" OR antibacterial* OR "anti-bacterial*" OR antibiotic* OR "anti-biotic*") N4 (use OR used OR usage OR consumption OR purchas* OR dispos* OR storage OR storing OR sharing OR shared OR expect* OR request*)):ti,ab
MH "Drug-Seeking Behavior"

MH "Medication Adherence"

MH "Self Care"

MH "Self Medication"

Combination of all search strings

AND/14,23,49,71

Limit 72 to year 2000
### Supplementary Table S2. Data extraction tool designed for the purpose of the study.

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</table>
Supplementary Table S3. Excluded studies with rationale.

Design other than RCT, NRT, CBA or NCBA study


15. McCarthy M. Many US parents have poor understanding of proper antibiotic use, study finds. *BMJ (Online)* 2015; 351: h4009.


**Participants recruited from HC settings**


**Context other than AMR**


Outcomes not related to AMR awareness antimicrobial stewardship


Full text not available


Other

Conference abstract of already reviewed study

*Full text not available in English/inability to translate*


*Article that refers to already reviewed study*


*Protocol of already reviewed study*


*Majority (74.3%) of respondents were HC professionals*