

SUPPLEMENTARY TABLE 1 (A to I)

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Supplementary Table 1A List of values and their corresponding identification number code for 'sector' and 'sub-sector'.

Value			
Categorical Variable: Sectors ¹	Sub-variable: Sub-Sectors	Definition:	Code:
Other	Unspecified Sector	The policy statement does not explicitly state any sector.	0000
	Other	Listed values sectors are not appropriate. Suggestion for a new value.	9999
Human ²	Unspecified	Humans in general. There are no specific sub-populations or sub-groups mentioned or targeted.	0100
	Community	Population in the community. Usually referred to when talking about the general population or children.	0101
	Healthcare Delivery	Policy specifically targets the healthcare sector.	0102
	Healthcare Industry	Policy specifically targets the pharmaceutical industry, such as for research and development.	0103
	Other	Listed values of sub-sectors under 'Human' sector is not appropriate. Suggestion for a new value.	0199
	Animal ³	Unspecified	Animals in general. There are no specific groups mentioned or focused on.
Agriculture		Encompasses all kinds of agriculture, both livestock and aquaculture in general.	0201
Agriculture/Livestock		Livestock in general, no specific animal groups are specified.	0202
Agriculture/Livestock/Poultry		Any domesticated birds kept by humans such as chicken, ducks, turkeys, quails etc.	0203
Agriculture/Livestock/Cattle		Any domesticated kept by humans such as cattle, bison, buffalo, yak etc.	0204
Agriculture/Livestock/Sheep		Domesticated sheep	0205
Agriculture/Livestock/Swine		Domesticated pigs	0206
Agriculture/Livestock/Goat		Domesticated goats	0207
Agriculture/Livestock/Horse		Domesticated horses	0208
Agriculture/Livestock/Deer		Domesticated deer	0209
Agriculture/Livestock/Insects		Any domesticated insects kept by humans. This could include those used to produce food or honeybees to produce honey.	0210
Agriculture/Livestock/Others		Any other animal groups which do not fall into the above categories.	0211
Agriculture/Aquaculture		Aquaculture is the farming of aquatic organisms that are animals.	0212
Agriculture/Aquaculture/Fish		Any farmed fish such as salmon, catfish or carp. Excludes crustaceans (e.g. shrimps), molluscs (e.g. oysters, shellfish). If the fish is caught in the wild, refer to the wildlife category.	0213
Agriculture/Aquaculture/Crustaceans		Any farmed crustaceans such as crabs, lobsters, crayfish, shrimp or krill.	0214
Agriculture/Aquaculture/Molluscs	Any farmed molluscs such as slugs, snails, oysters, clams, squid, octopuses or cuttlefish.	0215	

	Agriculture/Aquaculture/Others	Any other aquatic groups not mentioned in the above categories.	0216
	Companion	Any domesticated or tamed animal that are kept for companionship or pleasure.	0217
	Companion/Feline	Specifically focusing on cats.	0218
	Companion/Canine	Specifically focusing on dogs.	0219
	Companion/Fish	Specifically focusing on fish kept as pets.	0220
	Companion/Small Animals	Specifically focusing on small animals such as rabbits, hamsters, mice.	0221
	Companion/Reptile	Specifically focusing on reptilian pets.	0222
	Companion/Others	Other pet groups that do not fit into the above categories.	0223
	Wildlife	Undomesticated species found in the environment, usually living independently of humans.	0224
	Wildlife/Mammal	Specifically focusing on wild mammals.	0225
	Wildlife/Birds	Specifically focusing on wild birds. This may include sparrows or pigeons which live in the urban area.	0226
	Wildlife/Fish	Specifically focusing on wild fish. This could also include fish caught in the wild.	0227
	Wildlife/Reptiles	Specifically focusing on wild reptiles.	0228
	Wildlife/Insects	Specifically focusing on insects. This could also include flies living in farms, homes or abattoirs.	0229
	Wildlife/Others	Other wildlife animal groups that do not fit into the above categories.	0230
	Other	Listed values of sub-sectors under 'Animal' sector is not appropriate. Suggestion for a new value.	0299
Environment ⁴	Unspecified	Environment in general.	0300
	Air (Natural)	Particles in the air in environment with no urbanization (human activity).	0301
	Air (Urban/Industrial)	Particles in the air in environment with urbanization or industrial activity, including farming.	0302
	Water (Natural)	Water in environment with no urbanization (human activity).	0303
	Water (Urban/Industrial)	Water in environment with urbanization or industrial activity, including farming.	0304
	Soil (Natural)	Soil in environment with no urbanization (human activity).	0305
	Soil (Urban/Industrial)	Soil in environment with urbanization or industrial activity, including farming.	0306
	Solid Waste (Urban/Industrial)	Solid waste from human (including companion animal) or agricultural (livestock and aquaculture).	0307
	Waste Products (Urban/Industrial)	Waste products from production of food, medicine or research.	0308
	Other	Listed values of sub-sectors under 'Environment' sector is not appropriate. Suggestion for a new value.	0399
Plant ⁴	Unspecified	There is no specified areas of plant (i.e. whether for food or non-food) mentioned.	0400
	Food Crop	Plant crops specifically grown for food - either for humans or animals.	0401

	Food Crop/Land	Land plant crops specifically grown for food - either for humans or animals.	0402
	Food Crop/Aquatic	Aquatic plant crops specifically grown for food. This could include plants like lotuses, seaweed etc.	0403
	Non Food Crop	Plant crops in general grown for purposes other than food. This could include grains for biofuel or flowers for commercial use.	0404
	Non Food Crop/Flowers	Flower plant crops grown for purposes other than food.	0405
	Other	Listed values of sub-sectors under 'Plant' sector is not appropriate. Suggestion for a new value.	0499
Food ^{5 6}	Unspecified	Food in general. No specific food groups is targeted.	0500
	Domestic	Domestic, locally-grown food.	0501
	Domestic/Meat Products	Domestic, locally-grown meat products. Includes eggs.	0502
	Domestic/Plant	Domestic, locally-grown or harvested plant products.	0503
	Domestic/Seafood	Domestic, locally-grown, caught or harvested seafood.	0504
	Domestic/Dairy Products	Domestic, locally produced dairy products. Includes items such as milk, cheese, yogurt.	0505
	Imported	Imported, internationally-produced food products.	0506
	Imported/Meat Products	Imported, internationally-grown meat products. Includes eggs.	0507
	Imported/Plant	Imported, internationally-grown or harvested plant products.	0508
	Imported/Seafood	Imported, internationally-grown, caught or harvested seafood.	0509
	Imported/Dairy Products	Imported, internationally-produced dairy products. Includes items such as milk, cheese or yogurt.	0510
		Other	Listed values of sub-sectors under 'Food' sector is not appropriate. Suggestion for a new value.
One-Health	Unspecified Sectors	Sectors which would be included in the 'One-Health' policy are not stated.	0600
	Specified Sectors	Sectors which would be included in the 'One Health' policy are clearly stated.	0601

Supplementary Table 1B List of values and their corresponding identification number code for 'target group'.**Category Variable: Target Group**

Value:	Definition:	Code:
Unspecified Group	There is no specific group targeted by the policy statement.	00
Academics	Targeting to those at college, academy, school, or other educational institution, especially one for higher education.	01
Children	Population who are usually below the age of 21. Age limit may differ from country-to-country.	02
Consumers	Targeting those who purchase certain things. For example, food.	03
Dispenser	Those who prepare, package, label, record keep and transfer prescription drugs to patient or an intermediary, who is responsible for the administration of drug. In different countries, dispensers may not necessarily be trained and certified pharmacists.	04
Dispenser / Pharmacist	Those who prepare, package, label, record keep and transfer prescription drugs to patient or an intermediary, who is responsible for the administration of drug. It is specifically mentioned that the dispenser is a pharmacist.	05
Elderly	Population over the age of 65 years.	06
Ethnic Groups	Community or population made up of people who share a common cultural background or descent.	07
Farmer	A person engaged in agriculture, raising living organisms for food or raw materials. Encompasses both animal and plant agriculture.	08
Feed Producer	Those involved in the process of producing animal feed, formulated to meet specific animal nutrition requirements.	09
General Population	Individuals without reference to any specific characteristics. Often referred to as "community".	10
Government	Group of people with the authority to govern a country or state.	11
Healthcare worker	Those whose job it is to protect and improve the health of their communities. A broad term that can include doctors, nurses, laboratory personnel etc.	12
Industry	Companies and activities involved in the process of producing goods for sale. Use as a general term.	13
Migrants / Refugees	People who have moved from another place.	14
Nurses	Person trained to care for the sick, especially in a hospital.	15
Parents	Those who have young children.	16
Patient	Any recipient of health care service - both for inpatient and outpatient.	17
Pet Owners	Those who own animals that are raised not for consumption (i.e. companion animals).	18
Prescribers / Dentist	A person who is qualified to treat diseases and other conditions that affect the teeth and gums.	19

Supplementary Table 1B List of values and their corresponding identification number code for 'target group'.**Category Variable: Target Group**

Value:	Definition:	Code:
Prescribers / Medical Doctor	A person who is qualified to diagnose and treat people who are ill.	20
Prescribers / Other	A person who prescribes medication. In some countries, healthcare workers who are not dentists or doctors have the ability to prescribe medication. Select this value if the policy does not mention specifically if the targeted group are dentists or doctors.	21
Processors (Food)	Those who work on a production line to produce food. Includes both food processing workers and those working in kitchens.	22
Retailers	A business or company that sells to the consumer directly.	23
Slaughterhouse Workers	Those who manage animals before and during the slaughtering process.	24
Traditional Medicine Practitioner	Those that practice traditional medicine. Definition of traditional medicine is "the sum total of the knowledge, skills, and practices based on the theories, beliefs, and experiences indigenous to different cultures, whether explicable or not, used in the maintenance of health as well as in the prevention, diagnosis, improvement or treatment of physical and mental illness." ⁷	25
Veterinarian	A person qualified to treat diseased or injured animals	26
Other	Listed values is not appropriate. Suggestion for a new value.	99

Supplementary Table 1C List of values and their corresponding identification number code for 'target setting'.**Category Variable:** Target Setting

Value	Definition:	Code:
Unspecified Setting	There is no specific setting mentioned	00
Army/Military Healthcare facilities	In many countries, military health care services operate separately to public healthcare.	01
Child-Care Centres	Care centres which look after children.	02
Clinics (outpatient only)	Medical facilities smaller than a hospital which generally provide only outpatient services. Other names include ambulatory care.	03
Community Pharmacy	Shop within the community in which medicines are prepared and sold.	04
Emergency Department	Medical treatment facility specializing in emergency medicine, also known as an accident & emergency department or casualty department.	05
Farms	An area of land, together with the buildings on it, that is used for growing crops or raising animals.	06
Grocery Store (Food Market)	Self-service retail market selling foods and household merchandise.	07
Hospital or Clinic Pharmacy	Part of the hospital where medicines are prepared.	08
Hospitals (Inpatient)	Health care institutions which can provide inpatient care.	09
Laboratories	Place for testing and analysis	10
Nursing Home (or Long-Term Care)	Facility that provides rehabilitative, restorative, and/or ongoing skilled nursing care to patients or residents.	11
Open Landfill	Site for the disposal of waste and materials by burial.	12
Pharmaceutical Companies	A commercial business licensed to research, develop, market and/or distribute drugs.	13
Prison	Place where criminals are kept as punishment or where people accused of a crime are kept before their trial.	14
Restaurants	Place where people pay to sit and eat meals prepared by others.	15
Schools (incl. higher edu)	Place to learn. Encompasses all levels of education except continual professional development.	16
Sewage Plants	Place where sewage is cleaned so that it is not harmful or dangerous to the environment	17
Slaughterhouse	Place where animals are slaughtered for food. Other names include abattoir.	18
Surface Water	Water that collects on the surface of the ground.	19
Traditional Medicine Clinic	Clinics which specialize in "the sum total of the knowledge, skills, and practices based on the theories, beliefs, and experiences indigenous to different cultures, whether explicable or not, used in the maintenance of health as well as in the prevention, diagnosis, improvement or treatment of physical and mental illness." ⁷	20
Zoo	A facility in which all animals are housed within enclosures, displayed to the public.	21

Other	Listed values is not appropriate. Suggestion for a new value.	99
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Supplementary Table 1D List of values and their corresponding identification number code for 'challenge' of AMR.

Categorical Variable: Challenge of Policy ⁸

Value:	Definition:
Other	The goal of the policy statement does not fit into the following six categories.
Access	Policies aimed at improving access to quality antimicrobials.
Conservation	Policies aimed at improving use of existing or new antibiotics whether by reducing use and/or misuse.
Containment	Policies that aim at limiting the spread of resistance infections
Infection Prevention	Policies that aim at preventing infectious disease in the first place.
Innovation	Policies that aim at focusing on fostering research and development of new antibiotics, other compounds as well as diagnosis.
Surveillance	Increase the information that we have about the system

Supplementary Table 1E List of values and their corresponding identification number code for 'challenge' and 'sub-challenge' of AMR.

Value			
Categorical Variable:	Sub-Variable: Sub-Challenge	Definition:	Code:
Other	Unspecified Goal	The policy has no goals or aims.	0000
	Other	Listed values of challenges are not appropriate. Suggestion for a new value.	9999
Access	Unspecified	General statement on improving access to antibiotics. No specific methods of improving access are mentioned.	0100
	Compulsory licensing of antimicrobials	Licensing of antimicrobials may help reduce the price, and increase utilization without altering patient out-of-pocket spending, health plan costs, or pharmaceutical profits, increasing access to antimicrobials.	0101
	Essential list of medicine	A country may have their own individualized 'Essential Medicine List' based off of the WHO's list to expand access to medicine. The antimicrobials within the list should be medications to which people should have access at all times.	0102
	Subsidies/Disbursement	To reduce the price of the antimicrobial to increase access to populations from low socio-economic status.	0103
	Other	Listed values of sub-challenges under 'Access' are not appropriate. Suggestion for a new value.	0199
Conservation	Unspecified	General statement on conserving antibiotics. No specific method of conservation is mentioned within the text.	0200
	Distribution	Sale of antimicrobials in general. This may include retailers purchase from wholesalers.	0201
	Distribution / Internet Sales	Sale of antimicrobials on the internet.	0202
	Distribution / Prescription-only use	Prescription of antimicrobials by licensed professionals is required before access to antimicrobials are granted to the patient.	0203
	Drug Promotion	Limit how pharmaceutical companies can promote the use of antimicrobials.	0204
	Quality Antimicrobial Production	Limit the production of counterfeit and/or low-efficacy antimicrobials. Treatment with low quality antimicrobials does not allow for the complete elimination of bacteria, thus promoting resistance.	0205

Supplementary Table 1E List of values and their corresponding identification number code for 'challenge' and 'sub-challenge' of AMR.

Value			
Categorical Variable:	Sub-Variable:	Definition:	Code:
Challenge	Use / Awareness Campaign	Improve understanding of AMR in non-prescribers, including farmers, usually the general population.	0206
	Use / Critically important antibiotics	Distinguish the importance of certain antimicrobials, only to be used in situations where other, non-critically important antimicrobials do not work. Includes the creation of important antibiotics in either human or veterinary medicine.	0207
	Use / Non-Therapeutic Use	Use of antimicrobials that do not involve the treatment of a sick individual. Includes use of antimicrobials for prophylaxis, metaphylaxis or, growth promotion.	0208
	Use / Stewardship Programme	Improve prescription of antimicrobials in medical professionals. Interventions aimed at conserving antimicrobials, reducing use or developing better prescribing.	0209
	Other	Listed values of sub-challenges under 'Conservation' are not appropriate. Suggestion for a new value.	0299
	Containment ⁹ ₁₀	Unspecified	Limiting the spread of resistant infection in general. No specific pathway is mentioned.
Animal to Animal		From sick or resistance carrier animals to healthy animals.	0301
Animal to Environment		From sick or resistance carrier animals to the environment.	0302
Animal to Human (Direct Contact)		From sick or resistance carrier animals to humans by direct contact (i.e. interacting with the animal).	0303
Animal to Human (Food)		From sick or resistance carrier animals to humans through consuming meat from both livestock and aquaculture.	0304
Animal to Human (General)		From sick or resistance carrier animals to humans in a non-specified way (i.e. either by food or by direct contact).	0305
Environment to Animal		Environment, such as natural or urban (e.g. farm sheds), with resistance bacteria to healthy, non-carrier animals.	0306
Environment to Human		Environment, such as natural or urban (e.g. farm sheds), with resistance bacteria to healthy, non-carrier humans.	0307
Food (other than meat products) to Human		Food other than meat-based, containing resistance bacteria spreading to healthy, non-carrier humans.	0308

Supplementary Table 1E List of values and their corresponding identification number code for 'challenge' and 'sub-challenge' of AMR.

Value			
Categorical Variable:	Sub-Variable:	Definition:	Code:
Challenge	Sub-Challenge		
	Food to Animals	Feed for animals containing resistance bacteria given to animals.	0309
	Human to Animal	From sick, carrier humans to healthy non-carrier animals.	0310
	Human to Environment	From sick, carrier humans to environment.	0311
	Human to Human	From sick or resistance carrier humans to healthy humans.	0312
	Human to Human (Food)	From sick or carrier humans to healthy, non-carrier via food.	0313
	Other	Listed values of sub-challenges under 'Containment' are not appropriate. Suggestion for a new value.	0399
Infection Prevention	Unspecified	Infection prevention in general. No specific methods are mentioned or they do not fall into any of the below categories.	0400
	Animal Husbandry	Controlled cultivation, management, and production of domestic animals, including improvement of the qualities considered desirable by humans by means of breeding.	0401
	Biosecurity	Procedures or measures designed to protect the population against harmful biological or biochemical substances.	0402
	Eradication	Cleansing of an area or environment of potential infection.	0403
	Hand Hygiene	Practices aimed at improving hand hygiene.	0404
	Immunization	Interventions or campaigns to improve uptake of vaccinations.	0405
	Risk Assessment	Focus on reduction of risk from infection through phases of facility planning, design, construction, renovation, facility maintenance.	0406
	Safe Food Handling	Practices to improve the safe handling of food.	0407
	Safe Invasive Procedure	Practices to improve invasive procedures to minimize the rate of infection and the need for antimicrobials.	0408
	Safe Water	Clean water.	0409

Supplementary Table 1E List of values and their corresponding identification number code for 'challenge' and 'sub-challenge' of AMR.

Value			
Categorical Variable: Challenge	Sub-Variable: Sub-Challenge	Definition:	Code:
	Sanitation	Interventions related to water, sanitation and general hygiene (WASH).	0410
	Screening	Check individuals for carriage and/or infection by resistance bacteria.	0411
	Other	Listed values of sub-challenges under 'Infection prevention' are not appropriate. Suggestion for a new value.	0499
Innovation	Unspecified	Innovation in general. There are no specific areas that is being focused on.	0500
	Alternative Treatments	Treatments other than the traditional medication (i.e. antibiotic therapy).	0501
	Biosecurity technologies	Technologies or equipment aimed at protecting the population against harmful biological or biochemical substances.	0502
	Diagnostics	New technology or technique to determine cause of illness.	0503
	Infection Prevention	New technology or interventions to prevent infections besides vaccination.	0504
	Novel antibiotics	New antimicrobials. General term if no specific type is mentioned.	0505
	Sanitation	New technology or techniques to provide clean drinking water or adequate sewage disposal.	0506
	Vaccinations	New immunization.	0507
	Food Yield (animals or plants)	New technology or techniques to improve yield from food animals or crops. For example, researching alternatives to improve protein yield rather than using growth promoters.	0508
	Other	Listed values of sub-challenges under 'Innovation' are not appropriate. Suggestion for a new value.	0599
Surveillance	Unspecified	Surveillance in general. No specific type of surveillance is mentioned.	0600
	Antibiotic Residue	Monitoring of residue of antimicrobials such as the active ingredient.	0601
	Epidemiology	Overall monitoring of the incidence and distribution of bacteria in general.	0602
	Epidemiology/Resistance	Monitoring specifically for resistance.	0603

Supplementary Table 1E List of values and their corresponding identification number code for 'challenge' and 'sub-challenge' of AMR.

Value			
Categorical Variable:	Sub-Variable:	Definition:	Code:
Challenge	Sub-Challenge		
	Epidemiology/Resistance/Genes	Monitoring of resistance genes.	0604
	Stewardship	Monitoring of uptake and/or adherence to stewardship programmes and their effects on AMR and/or AMU.	0605
	Use	Monitoring of the overall use of antibiotics. No specific mention of how.	0606
	Use/Prescription	Monitoring specifically for the use of antibiotics using prescription data.	0607
	Use/Sales or Import	Monitoring specifically for the use of antibiotics using the sales data.	0608
	Use/Diagnostic Code	Monitoring antibiotic use combined with diagnostic codes	0609
	Other	Listed values of sub-challenges under 'Surveillance' are not appropriate. Suggestion for a new value.	0699

Supplementary Table 1F List of values and their corresponding identification number code for 'policy process'.**Categorical Variable:** Policy Process ¹¹

Value:	Definition:	Examples:	Code:
Unspecified	The policy does not state the stage that it is in		0
Pre-Initiation Analysis	The policy is at the stage of considering whether to enact anything.	<ul style="list-style-type: none"> – "Asses whether to..." – "Investigate the creation of..." – "Consider increasing..." – "Explore how to use..." 	1
Initiation	The policy is attempting to create a new policy, system or action.	<ul style="list-style-type: none"> – "Carry out..." – "Establish..." – "Start the process..." – "Develop..." – "Build..." – "Conduct research..." – "Endeavour to ..." – "Implement..." – "Introduce..." – "Initiate..." 	2
Adaptation	The policy aims to improve or update existing policy, system or actions.	<ul style="list-style-type: none"> – "Strengthen..." – "Improve..." – "Enhance..." – "Work to extend..." 	3
Maintenance	The policy aims to ensure that existing policy, system or action remains.	<ul style="list-style-type: none"> – "Up-to-date..." – "Ensure that..." – "Continue..." 	4
Elimination	The policy aims to remove an existing policy, system or action.	<ul style="list-style-type: none"> – "Repeal..." – "Eliminate..." – "Stop..." 	5
Evaluation	The policy aims at reviewing existing policy, system or actions. This may also be a meta-statement on the evaluation of the document itself.	<ul style="list-style-type: none"> – "Evaluate..." – "Review..." 	6
Other	Listed values of policy process are not appropriate. Suggestion for a new value.		9

Supplementary Table 1G List of values and their corresponding identification number code for 'policy instrument'.**Categorical Variable:** Policy Instrument

"set of techniques by which governmental authorities wield their power in attempting to ensure support and effect social change"¹²

Value:**Definition:****Other**

No policy instrument is indicated in the policy statement.

Information (Sermons)

"attempts at influencing people through the transfer of knowledge, the communication of reasoned argument, and persuasion."¹²

Economic Means (Carrots)

"[T]he handing out or taking away of material resources while the addresses are not obligated to take the measures involved."¹²

Regulation (Sticks)

"Measures taken by governmental units to influence people by means of formulated rules and directives which mandate receivers to act in accordance with what is ordered in these rules and directives."¹²

Supplementary Table 1H List of values and their corresponding identification number code for ‘policy instrument’.

Value				
Categorical Variable:	Variant:	Sub-Variable:	Definition:	Code:
Policy Instrument ¹²		Sub-Instrument		
Other	Unspecified	Unspecified	The policy has no instruments.	000
		Other	Policy instruments not covered by ‘information’, ‘economic means’ or ‘regulations’. This value will act as a flagging system to identify potential values to be added into the instruments once discussed with a panel.	999
Information (Sermons)	Unspecified	Unspecified	Policy states that does not specifically indicate which type (awareness, nudging or training/education). It also does not state whether it is to encourage addresses to do something or to warn them against doing something. addresses must be influenced through some means of communication.	010
		Awareness	“Efforts to communicate to large numbers of citizens in order to achieve a policy result”. ¹³ These can include awareness campaigns through posters or mass media or, labelling of products.	011
		Nudging	“any aspect of the choice architecture that alters people’s behaviour in a predictable way without forbidding any options or significantly changing their economic incentives. ... the intervention must be easy and cheap to avoid [but] not mandat[ory].” ¹⁴	012
		Education/Training	Transferring knowledge through education (for students) and training (for professionals).	013
		Other	Listed values of sub-instruments under ‘Information’ are not appropriate. Suggestion for a new value.	019
		Positive	Unspecified	Policy statement emphasize stimulation of the right conduct through communication but fails to explain through which means.
		Awareness	Stimulation of the right conduct through mass communication.	111

Supplementary Table 1H List of values and their corresponding identification number code for 'policy instrument'.

Value					
Categorical Variable:	Variant:	Sub-Variable:	Definition:	Code:	
Policy Instrument ¹²		Nudging	Stimulation of the right conduct through change in choice architecture.	112	
		Education/Training	Stimulation of the right conduct through teaching students or training professionals.	113	
		Other	Listed values of sub-instruments under 'Information' are not appropriate. Suggestion for a new value.	119	
		Unspecified	Policy statement emphasize prevention of the wrong conduct through communication but fails to explain through which means.	210	
		Awareness	Emphasis on prevention of the wrong conduct through mass communication.	211	
	Negative	Nudging	Emphasis on prevention of the wrong conduct change in choice architecture.	212	
		Education/Training	Emphasis on prevention of the wrong conduct through teaching students or training professionals.	213	
		Other	Listed values of sub-instruments under 'Information' are not appropriate. Suggestion for a new value.	219	
	Economic Means (Carrots)	Unspecified	Unspecified	Policy states to use economic means but does not indicate whether it is to encourage through incentives or deter through penalties.	020
		Positive	Unspecified	Policy states that there is an incentive but does not identify whether it is in cash or in kind.	120
Incentive (in cash)			Money is offered as a way to encourage change but there is no obligation to take it.	121	

Supplementary Table 1H List of values and their corresponding identification number code for ‘policy instrument’.

Value				
Categorical Variable:	Variant:	Sub-Variable:	Code:	
Policy Instrument ¹²		Sub-Instrument	Definition:	
		Incentive (in kind)	Goods, commodities or services are offered instead of money to encourage change but there is no obligation to take it. Examples include free health care, free medicine, free dental care or free meals. ¹²	122
		Other	Listed values of sub-instruments under ‘Economic Means’ are not appropriate. Suggestion for a new value.	219
		Unspecified	Policy states that consequences will be given to an action to dissuade addressees. However, it does not state if taxes or fees will be given.	220
		Penalties	Material resources are taken as a consequence of an action to dissuade addressees. This may include taxes or fees. ¹²	221
		Other	Listed values of sub-instruments under ‘Economic Means’ are not appropriate. Suggestion for a new value.	219
Regulations (Sticks)	Unspecified	Unspecified	Policy states that there is a regulation but does not indicate what kind. There is no indication of whether addresses are required to do (positive) or must not do (negative) something.	030
		Self-Regulation	Internal control of systems, organization or activities rather than by external. There is no indication of whether addresses are required to do (positive) or must not do (negative) something.	031
		Co-Regulation	Interplay between multiple organizations. For example, a “legal framework combine both public and private policy instruments to strengthen their stand-alone capabilities towards a common policy objective.” ¹⁵ There is no indication of whether addresses are required to do (positive) or must not do (negative) something. ¹⁶	032

Supplementary Table 1H List of values and their corresponding identification number code for 'policy instrument'.

Value			
Categorical Variable:	Variant:	Sub-Variable:	Code:
Policy Instrument ¹²		Sub-Instrument	Definition:
		Public Regulation	"Any national, provincial or local government legislation or subordinate legislation, or any license, tariff, directive or similar authorisation issued by a regulatory authority or pursuant to any statutory authority." ¹⁷ There is no indication of whether addresses are required to do (positive) or must not do (negative) something. 033
		Other	Listed values of sub-instruments under 'Regulations' are not appropriate. Suggestion for a new value. 039
		Unspecified	Policy states that there is an obligation for addresses to do something or to do something right but does indicate whether it is through self-, co- or public regulation. 130
		Self-Regulation	Internal control that requires addresses to do something or to do something right. 131
	Positive	Co-Regulation	Interplay between multiple organizations that requires addresses to do something or to do something right. 132
		Public Regulation	Regulation coming from regulatory authority that requires addresses to do something or to do something right. 133
		Other	Listed values of sub-instruments under 'Regulations' are not appropriate. Suggestion for a new value. 139
		Unspecified	Policy states that addresses must refrain from doing something but does indicate whether it is through self-, co- or public regulation. 230
	Negative	Self-Regulation	Internal control where addresses must refrain from doing something. 231
		Co-Regulation	Interplay between multiple organizations where addresses must refrain from doing something. 232

Supplementary Table 1H List of values and their corresponding identification number code for 'policy instrument'.

Value				
Categorical Variable:	Variant:	Sub-Variable:	Definition:	Code:
Policy Instrument ¹²		Sub-Instrument		
		Public Regulation	Regulation coming from regulatory authority where addresses must refrain from doing something.	233
		Other	Listed values of sub-instruments under 'Regulations' are not appropriate. Suggestion for a new value.	239

Supplementary Table 1H List of values and their corresponding identification number code for ‘building blocks’.**Categorical Variable:** Building Block ¹⁸

Value:	Definition:	Code:
Unspecified	No defined building blocks	00
Delivery	Access to healthcare, how medical procedures (such as surgeries) are performed or to new health technologies.	01
Financing	Resource, funding and means.	02
Good Practice	An action to change the behaviour of the actors for example through means of guidelines or manuals.	03
Governance	Refers broadly to the action or manner of governing. It encompasses all process for resources allocation, decision-making, coordination, reporting etc in an organization. “ensuring strategic policy frameworks exist and are combined with effective oversight, coalition-building, the provision of appropriate regulations and incentives, attention to system-design, and accountability.” ¹⁹	04
Health Technologies	The application of organized knowledge and skills in the form of medicines, medical devices, vaccines, procedures and systems developed to solve a health problem and improve quality of life. In the context of AMR this could include: new antibiotics, rapid diagnostics, devices that could prevent, diagnose or treat illnesses or diseases other than through pharmacological, immunological or metabolic means.	05
Information Systems	Improving the collection of information through tools such as electronic health records.	06
Infrastructure	Hardware (i.e. non-people). This could be building more laboratories, hospitals, support centres, pharmacies etc.	07
Training and Education	For example, educational programmes at all levels and ages or holding seminars and workshops for further professional development.	08
Other	Listed values of building blocks are not appropriate. Suggestion for a new value.	99

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