

National Action Plan

Example from Switzerland



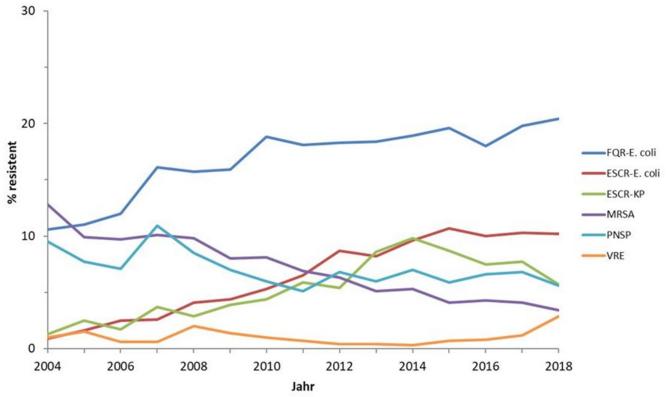
Swiss One Health Strategy on AMR



Schweizerische Eidgenossenschaft Confédération suisse Confederazione Svizzera Confederaziun svizra

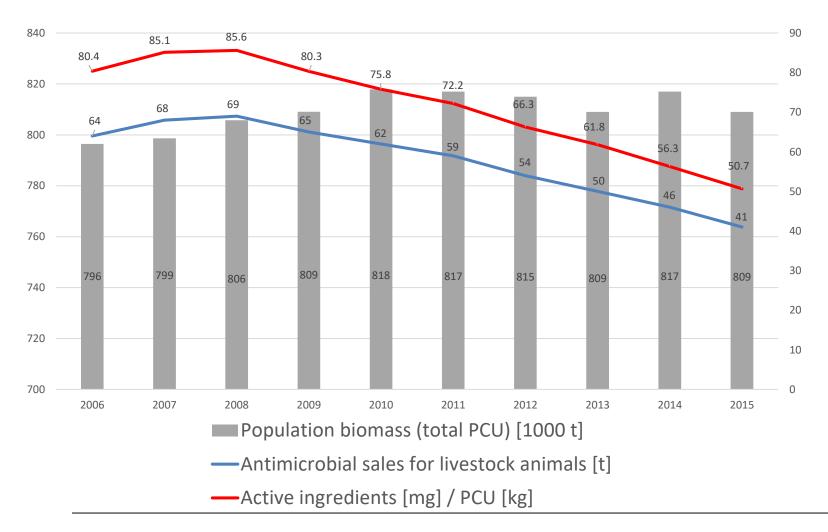
Federal Department of Home Affairs (FDHA) Federal Office of Public Health (FOPH) Federal Food Safety and Veterinary Office (FSVO) Federal Department of Economic Affairs, Education and Research (EAER) Federal Office for Agriculture (FOAG) Federal Department of the Environment, Transport, Energy and Communications (DETEC) Federal Office for the Environment (FOEN)

Selected multiresistant microorganisms in Switzerland in human medicine





Veterinary medicine: Sales of antimicrobials



Surveillance of antibiotic use and resistance patterns is key

Antibiotic resistances are:

- increasing
- stable
- falling

Depending on:

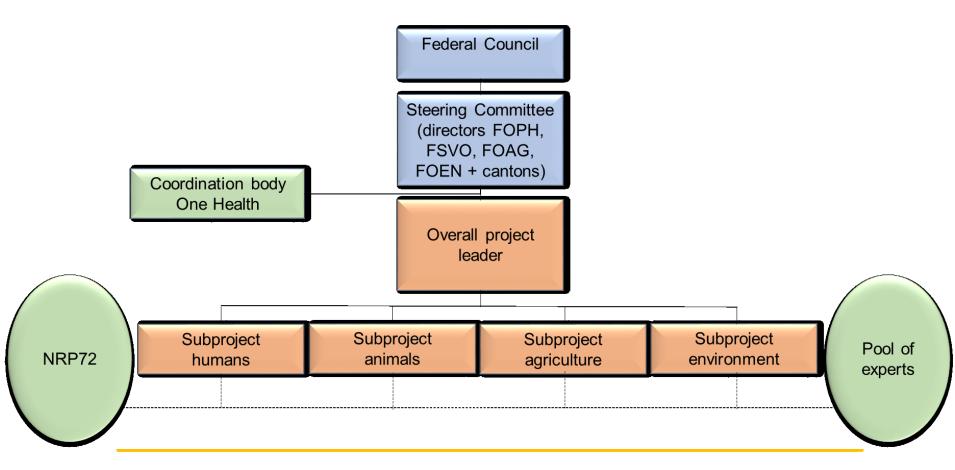
- species
- > sampling
- > type of antibiotic

Usage of Antibiotics and
Occurrence of Antibiotic Resistance
in Switzerland
A CONTRACTOR AND A
TELEVISION CARACTERES CONTRACTOR CONTRA TOR CONTRA TOR CONTRA TOR CONTRA TOR
TATIO COMMENT
2000 A VAL DI ALLER AND AL
and the second s
A
Antibiotic
and a second sec
Aller and a second s
Lagiofanca
and the state of t
······································
TATA AND ANTER AND
ALLER A CONTRACTOR AND
「、、、、、、、、、、、、、、、、、、、、、、、、、、、、、、、、、、、、
ANRESIS
community filling alle
ARCH-Vet
a contenent for the contenent for the second s
StAR

Swiss Strategy on AMR 2016 - 2026

- Developed 2013–2015 by 4 federal offices (health, agriculture, veterinary, environment)
- In close collaboration with stakeholders
- Adopted by Federal Council on 18 November 2015
- **Goal:** Ensure long-term efficacy of antibiotics for humans and animals, while protecting the environment
- Focus is on a **One Health approach**

Joint implementation

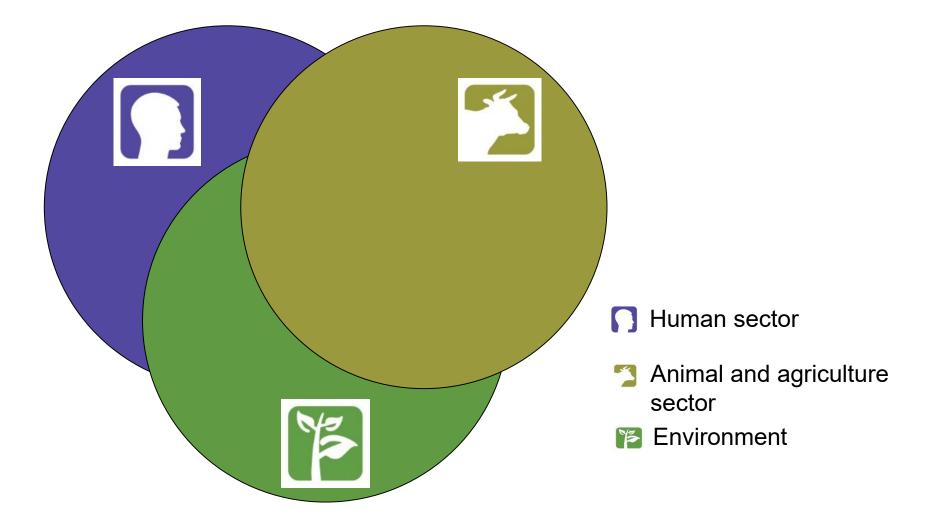


+ many partners (i.e. learned societies)

Eight fields of action

Combating resistance **Prevention Prudent** Monitoring use of antibiotics Regulatory Research and political and environment development Information Cooperation and education





One Health Stakeholder Communication

- Creating a brand
- Yearly progress report
- Website <u>www.star.admin.ch</u>
- Newsletter to all stakeholders

One Health **Public Perception**

- Consumer perception on risks/ benefits of antibiotics in humans /companion animals
- Analysis of the public discourse, roles and responsibilities
- Results used for communication activities and awareness raising:
 - Patient leaflets
 - Information for farmers
 - Public campaign

Challenges and Benefits of the One Health Approach

Challenges

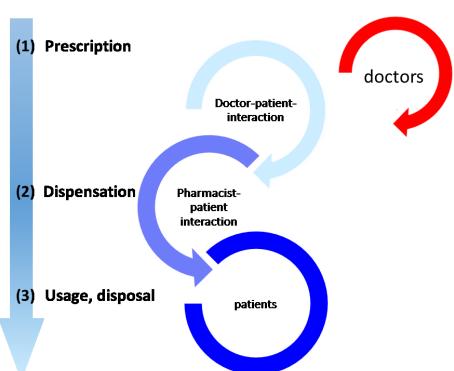
- Slow, time consuming
- Differences in cultures
- Needs constant commitment of everybody
- Needs constant advocacy across all sectors

Benefits

- Good acceptance of mutual responsibility
- Sustainability
- Ignites One Health thinking among stakeholders
- Economic benefits (?)

Examples of implementation

- Development of prescription guidelines in collaboration with medical societies, stage-by-stage publication starting 2018
- Establishment of a National **Reference Laboratory** for the identification of new resistances and the development of quality standards
- **Communication:** Addressing key moments of AB usage, public campaign



Patient leaflet an Website on ABR

DO THE RIGHT THING

PLEASE DO PAY ATTENTION

So taxes your antibiotics starting your operations, Latter right power for the right length of time. The individually presented start

guaranteen bady or article for an article for a possible. Resp taking the presenteet or article for a term (presented to fact to far after a fee signs.

🖉 DE POLIS (DE DESER.)

Pyros herget to take poor artikistion, it may prolong the infestion, which is different angular effection poor resources. By an experience side effects, plants speak to poor dealer ar pharmanist.

Do not anare antibiotics prograbed fory to with others. There specific activities have shown presented here are insert programmed metals.

Present return par fairy used packs. Do not dispose of partially used packs or this pack household marks as the artikular angl order the environment (e.g. unaffectuating marks matter). Do well keep articularies to surroutine discussion.

ANTIBIOTICS KEYINFORMATION ATA GLANCE

IF YOU ARE

ANTIBIOTICS

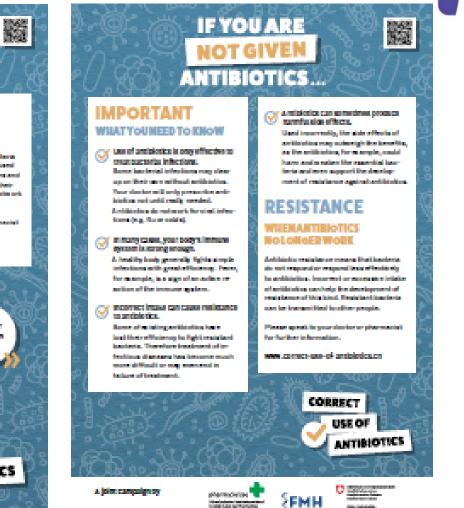
GIVE

Artification are contained to full interfering or present lineir spreading. They are used to benet handlered information in barraware and activation. 2019 and distances require their specified artificiants. Artifician da surfaces the forwards informations (e.g. a mild).

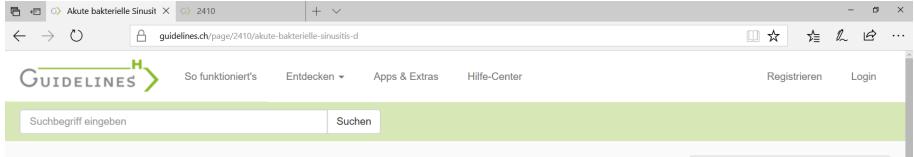
Please specific poor dealer or planmanis'. For further information.

www.comect-usa-of-antipietics.cn





NAME AND ADDRESS OF ADD



Akute bakterielle Sinusitis (D)

▶ Diagnose	Guidelines hilft Ihnen, Ihre Leitlinien zu verwalten und zu
✓ Indikation zur antibiotischen Therapie	reilen.
Initiales Management (Erwachsene & Kinder)	Mehr über Guidelines.ch
Meist abwartendes Verhalten («watchful waiting») gerechtfertigt.	
Indikation für Antibiotika-Behandlung bei	
Langdauernde Symptome:	✓ OPERATIONEN
 Symptome vereinbar mit akuter Rhinosinusitis ohne klinische Besserung nach ≥10 Tagen 	PDF erstellen
Schwere Symptome oder Anzeichen von	
 hohem Fieber (≥ 39,0 ° C) und eitriger Nasenausfluss oder Gesichtsschmerzen die mindestens 3-4 aufeinanderfolgende Tage anhalten 	INFORMATIONEN Verantwortlicher Autor SSI Guidelines
 Sich verschlechternde Symptome nach initialer Besserung Fieber, Kopfschmerzen oder vermehrtem Nasenausfluss nach typischer viralen Infektion der oberen Atemwege (URI) die 5-6 Tage andauerte und sich anfänglich verbesserte ("double-sickening") 	Co-Autoren
	Gültig SGInf-Guidelines für Stichworte -

Link resistance data to prescription guidelines via smart phones



Examples of implementation



- Revision of legislation: Farmers have less access to AB
- Development of system to collect veterinary prescription data (IS-ABV):
 - Generates knowledge
 - Enables targeted measures
 - Allows follow-up on effects

Examples of implementation



- **Upgrading of waste water treatment plants** with additional processes for the elimination of micropollutants (incl. AB)
 - \rightarrow lowered input of AB in the environment

Thank you!

For more information: <u>www.star.admin.ch</u>