

## Agriculture

- (Terrestrial) On-farm AM use
- AM use in plant agriculture
- Animal density
- Animal welfare/stress
- Aquaculture AM use
- AROs in food-producing animals
- AROs in plant agriculture
- Disease in plant agriculture
- Existing farm infrastructure
- Feed efficiency
- Feed quality
- Food-producing animal illness
- Good farm practices
- Non-AM disease prevention and control in plant agriculture
- Non-AM infection control on farms of food-producing animals
- Producer profitability
- Production costs
- Production systems
- Resistance at the abattoir/processor
- Restocking with animals/eggs at higher risk for infection
- Disease in plant agriculture
- Use of growth promotion
- Use for metaphylaxis/control
- Use for preventative purposes
- Use for treatment
- What is being farmed

## Individual, Social, Cultural factors

- AM use in companion animals
- AROs in companion animals
- AROs in humans
- Chronic, non-communicable diseases
- Companion animal wellness
- Consumer choice, demand, and behaviour
- Consumption of other (non-meat/egg) foods
- Death
- Human illness
- Human vaccination
- Meat/egg consumption
- Non-AM infection prevention and control by the public
- Traditional home cooking

## Government

- Food and water security (personal, national)
- Nutritional quality of diet
- Population vulnerabilities

- Access to AMs outside of the system
- National budgets, money, funding, and subsidies

## Trade, Sales and Distribution

- Amount of imported product
- Amount of product in the domestic market
- AROs in food products
- Domestic and international trade
- Retail cost of food

- Cost per unit set by quota
- Animals/eggs arriving from a distance
- Market price per production unit
- Number of units set by quota
- On-farm production level
- Retail availability of meat/eggs in domestic market
- Time to market weight
- Viability of domestic meat production

- Food waste

- Healthcare resources
- Private healthcare facilities

- Quality and access to veterinary care

- Treatment of waste and wastewater

- Air quality and pollution

- Urbanization and population growth

- Diverse experiences, opinions, training, and culture
- Understanding and awareness

- Disposal of AMs

- Host microbiome

- Suitability of commodity to environment

- AROs in wildlife environment
- Resistance in the wider environment
- Wider environment microbiome

## Environment

- Corporate profits from AMs
- Development of new AMs
- Development, access, and availability of alternatives to AMs
- Diagnostics
- New and emerging foods
- Pharmaceutical market, sales, PR
- Research development and innovation
- Science and academia

## Research, Surveillance, Development and Innovation

- Access to healthcare
- Existing healthcare infrastructure
- Healthcare costs
- Non-AM disease prevention and infection control in health and social care settings
- Non-AM infection prevention and control in other social institutional settings
- Prescribing, diagnosing, treatment practices

## Public Health, Health Care and Social Care

- Exposure to AROs in imported products
- Purchase of food at places other than grocery store

- AMU in other countries

- International retailers

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- Movement of people

- Movement of animals

- Level of resistance in other countries

## International

Acronyms:  
 AM = Antimicrobial; AROs = Antibiotic-Resistant Organisms;  
 AMU = Antimicrobial Use; PR = Public Relations

Textbox legend:  
 — = single categorization  
 - - - = two overlapping categories  
 ..... = three or more overlapping categories