

Pan-Canadian Action Plan on Antimicrobial Resistance and Antimicrobial Use

Update to the National Farmed Animal Health and Welfare Council

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Update to the National Farmed Animal Health and Welfare Council

Purpose

- To provide an update on the development of the pan-Canadian Action Plan.
- To discuss how the NFAHWC can help support Action Plan development.

Context

- AMR is reducing the effectiveness of treatment for infections in Canada and internationally. Without effective antimicrobials, rates of infection increase, resulting in:
 - Prolonged illness and risk of death
 - Increased economic (health care systems/agricultural sector) and social (families, workforce) costs
- By 2050, annual deaths due to AMR could reach 317,000 in North America alone and 10 million worldwide, overtaking deaths due to diabetes and cancer combined
 - The global economy could fall between \$2 and \$6 trillion USD by 2050 as a result of AMR

What Canada has achieved to date

Surveillance

- Enhanced integrated surveillance activities (e.g. Canadian Antimicrobial Resistance Surveillance System), which integrates data from multiple systems (e.g. CIPARS).
- Released three annual CARSS Reports to provide integrated picture of AMR and AMU in Canada.
- Enrolled in Global Antimicrobial Resistance Surveillance System (GLASS).

Stewardship

- Implementing regulatory and policy changes for veterinary antimicrobials.
- *Ad Hoc Committee for Antimicrobial Stewardship in Agriculture and Veterinary Medicine* held a two day workshop that focused on “Building the Antimicrobial Stewardship Leadership Plan for Animal Health in Canada”.
- Awareness campaigns and learning activities, and updated clinical guidelines aimed at practitioners.
- Support to HealthCareCAN and the National Collaborating Centre for Infectious Diseases (NCCID) in their work on stakeholder engagement primarily in human health on Antimicrobial Stewardship.

What Canada has achieved to date

Research and Innovation

- Genomics Research and Development Initiative (GRDI) continues to look at food production and how it relates to AMR in humans.
- Joint Programming Initiative on Antimicrobial Resistance (JPIAMR) is a collaboration of 26 member states, which coordinates international research funding and supports collaborative action to fill knowledge gaps on AMR in key areas.

International Action

- *Global Action Plan on AMR (2015)* applies a coordinated, collaborative, multidisciplinary and cross sectoral approach to address AMR.
- Worked to align our domestic action with that of key international organizations:
 - Food and Agriculture Organization (FAO) Action Plan on AMR (2016)
 - World Organization for Animal Health (OIE) Strategy on AMR and the Prudent Use of Antimicrobials (2016)
- UN, G7 and G20 have all expressed interest in addressing AMR.

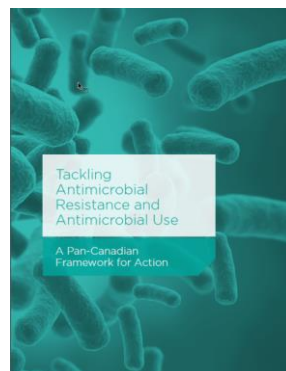
Addressing AMR in Canada

- There are already **numerous actions underway** by F/P/T governments and external stakeholders within the public health, healthcare and agriculture sectors to address AMR in Canada.
- However, efforts are often undertaken independently instead of as part of a coordinated and strategic approach



Domestic Action – Pan-Canadian Framework on AMR/AMU

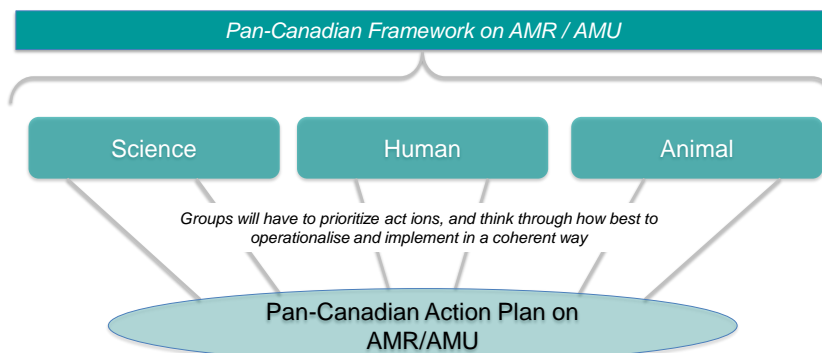
- On September 5th, 2017, the Government of Canada released [Tackling Antimicrobial Resistance and Antimicrobial Use: A pan-Canadian Framework for Action](#).
 - High level policy document that identifies AMR as a key area needing concerted and sustained action, outlines federal, provincial and territorial governments' response, in working with external stakeholders to address the threat of AMR.
 - Broad stakeholder support for collective action.
- Outlines strategic objectives, outcomes and opportunities for action under **four components**:
 1. Surveillance
 2. Stewardship
 3. Infection Prevention and Control
 4. Research and Innovation



* See Annex A for the full list of Outcomes and Opportunities for Action

Pan-Canadian Action Plan on AMR/AMU

- Will operationalise the *pan-Canadian Framework on AMR*.
- F/P/T governments and stakeholders will each need to identify specific, concrete actions that they can undertake within their sphere of responsibility to address AMR.



Update to the National Farmed Animal Health and Welfare Council

Path Forward

- F/P/T AMR Steering Committee have started work on the action plan from a One Health perspective.
- We will continue to work with F/P/T partners to leverage and engage the animal health sector networks in the development of the action plan development.
 - i.e., John Prescott’s presentation on *Building the Antimicrobial Stewardship Leadership Plan for Animal Health in Canada*.
- PHAC is mulling ideas (i.e. workshop, forum) to bring human and animal health stakeholders together along side government to solicit contributions to the action plan from a One Health perspective.

