



**CVMA**

CANADIAN VETERINARY MEDICAL ASSOCIATION

*Update on activities supporting  
Antimicrobial Stewardship and Antimicrobial Use Surveillance*

**NFAHWC**  
November 2017

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CANADIAN VETERINARY  
MEDICAL ASSOCIATION  
L'ASSOCIATION CANADIENNE  
DES MÉDECINS VÉTÉRINAIRES



1. AMU Surveillance Project
2. Prudent Use Guideline Renewal (Stewardship)
3. Guided Evolution of Veterinary Oversight
4. Communication and Education

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## Veterinary Pharmaceutical Stewardship Advisory Group

In 2016 in collaboration with CCVR wrote “Veterinary Oversight of Antimicrobial Use – A Pan Canadian Framework of Professional Standards for Veterinarians”

In 2017, two projects were developed to support recommendations in the Framework

1. **AMU Surveillance Project** - Dr. Duane Landals leading national EAG
2. **AMU Stewardship project** (Renewal of 2008 Prudent Use Guidelines (PUGS) - Dr. Phil Buote leading national EAG

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### 1. AMU Surveillance Project: National Antimicrobial Use (AMU) Surveillance for Veterinary Practitioners:

**CVMA coordinates and facilitates (financial support from CFIA)**

- **Phase 1: (Situational Analysis)** **Completed**
  - Feb 28-March 1 National Workshop “AMU Surveillance at the Veterinary Prescription level.”
- **Phase 2 (Design)** **Approval pending**
  - Proposed extension from December 2017 to March 2018
  - re-engage EAG, focus on feed, E-scripts, design pilot(s), leverage learnings/ideas from other initiatives
- **Phase 3 (Implementation)** **Approval pending**
  - After March 2018- timelines to be determined
  - implement pilot(s)

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## 1. AMU Surveillance Project: National Antimicrobial Use (AMU) Surveillance for Veterinary Practitioners:

### **Phase 1 Workshop: (Feb 28- Mar 1 27)**

#### **Purpose**

- build situational awareness across veterinary community
- collectively review the current context and activities for veterinary antimicrobial use surveillance
- identify the requirements for future prescription-based AMU data and information collection, including considerations regarding a minimum data set.



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## 1. AMU Surveillance Project: National Antimicrobial Use (AMU) Surveillance for Veterinary Practitioners: *Phase 1 Workshop*

#### **Key take-away messages:**

- Level of engagement and commitment on the part of participants was outstanding and encouraging.
- Level of diversity in terms of interest, objectives, expertise and opinions is worth recognizing as a challenge and celebrated as a strength moving forward.
- AMU surveillance is an issue of relevance and importance to many stakeholder communities.
- **The information collected will be utilized Phases 2 and 3 of the initiative**
  - review and approval process is underway

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## 2. Veterinary AM Stewardship Project: Renewal of CVMA Guidelines for the Prudent Use of Veterinary Antimicrobials

### Purpose

- Develop a tool set to meet critical information, oversight and decision-support needs related to prudent AMU by veterinarians
- Support veterinarians in making informed and timely treatment decisions
- Explore linkages to potential applications for usage monitoring and antibiotic resistance surveillance over the medium to long-term.



Renew and Replace

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## 2. Veterinary AM Stewardship Project: Renewal of CVMA Guidelines for the Prudent Use of Veterinary Antimicrobials

### Objectives:

1. Conduct stakeholder engagement with Canada's veterinarians and veterinary colleges to determine their prudent AMU and toolset requirements;
2. Conduct information gathering to identify potential formats, international best practices for influencing behaviour of professional communities and other aligned activities;
3. Develop a tool to communicate revised guidelines for prudent AMU; and
4. Pilot a prototype AMU guidelines toolset to review effectiveness and guide further improvements.

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## 2. Veterinary AM Stewardship Project: Renewal of CVMA Guidelines for the Prudent Use of Veterinary Antimicrobials

- Launched January 1, 2017 with an end date of March 31, 2018.
- Funding provided by AAFC Agri-Assurance program supplemented with in-kind contributions by partners including the CVMA and veterinarians.
- Focused on six species groups:
  1. Swine
  2. Poultry
  3. Beef Cattle
  4. Dairy Cattle
  5. **Small Ruminants**
  6. **Companion Animals (including Equine)**

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## 2. Veterinary AM Stewardship Project: Renewal of CVMA Guidelines for the Prudent Use of Veterinary Antimicrobials

### *Initial Workshop (May 2017)*



### **Purpose**

Engage key veterinary organizations, practitioners and other partners to assess and provide advice on the information gathering, oversight and decision support needs of farmed and companion animal veterinarians and/or veterinary practices to support veterinary antimicrobial stewardship, in particular responsible and prudent use.

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## 2. Veterinary AM Stewardship Project: Renewal of CVMA Guidelines for the Prudent Use of Veterinary Antimicrobials

### Key Concluding Messages from *Initial Workshop (May 2017)*

- Veterinary community was engaged with substantial input and feedback received regarding content and format of renewed antimicrobial use guidelines,
- Project plan is to scope out what can be feasibly done by March 2018 and to design a more comprehensive plan for addressing veterinary antimicrobial stewardship over the coming years.
- Goal remains to make the CVMA Prudent Use guidelines more user-friendly and up-to-date.
- Project will focus on a commitment to support Canadian veterinary practitioners.
- Teleconference with the External Advisory Group held at the end of May capitalized on ideas. Subject matter and working group members organized to write content during summer and fall of 2017.

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## 2. Veterinary AM Stewardship Project: Renewal of CVMA Guidelines for the Prudent Use of Veterinary Antimicrobials

### *Moving Forward*

#### **Moving Forward:**

**Five Work Streams** are actively engaged (each with Lead SME and working group members identified, including practitioners and academics).

1. Decision Support
2. Guidelines for Prudent Use (leads and working groups for **each** of Beef, Dairy, Poultry, Swine, Small Ruminants, Companion Animals)
3. Platform Hosting of Tools and Templates
4. Sustainability (Academic and Continuing Education)
5. Communications

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## 2. Veterinary AM Stewardship Project: Renewal of CVMA Guidelines for the Prudent Use of Veterinary Antimicrobials *Moving Forward*

### **Upcoming Milestones**

1. Pilot Commodity Content Finalization (December 2017)
2. Pilot Transcription to Electronic Format (December 2017)
3. Pilot Launch (End of January 2018)
4. Completion of Pilot (End of February 2018)
5. Refinement of Guidelines (All Commodities) (March 2018)
6. Project Completion (End of March 2018)
7. Post-Project Activity (April 2018 -)

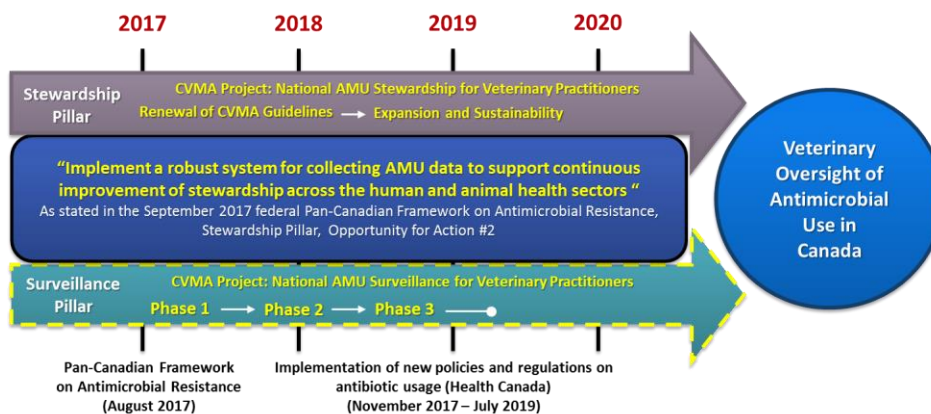
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## Guided Evolution of Veterinary Oversight

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### Guided Evolution of Veterinary Oversight of Antimicrobial Use in Canada



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## Communication and Education

**2016:** CVMA & CCVR created an online campaign: Monthly messages to explain how proposed Federal regulatory changes would affect individual veterinarians

- Shared via e-mail, through social media, on CVMA website, etc.



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## Communication and Education

**2017:** Working with the Veterinary Drugs Directorate & other key stakeholders to develop **consistent communication:** Implementation and impacts of Health Canada's moving all medically important antimicrobials to the Prescription Drug List.



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Questions?

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