



## Minnesota One Health Antibiotic Stewardship Collaborative 2018 Meeting of Technical Working Groups

January 11, 2018

### Summary of Progress and Next Steps

This is a distillation of work completed and next steps for each work group, as of January 11, 2018.

#### **One Health Engagement Work Group.** Sara Vetter, Chair ([sara.vetter@state.mn.us](mailto:sara.vetter@state.mn.us))



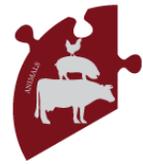
*Progress:*

- Website continues updated, based on web analytics, feedback from Collaborative members
  - Can be difficult to find things, and there is too much text.
- Email bulletin template streamlined and updated, with over 550 recipients on listserv.
- Stories of Antibiotic Resistance and Stewardship added to website, with contributions from healthcare professionals and patients, animal producers, public health experts, and more.
- Three 2017 One Health Antibiotic Stewardship Professional Exchanges held: University of Minnesota Medical Center, Wolf Creek Dairy, and Saint Paul Wastewater Treatment Plant.
- Minnesota State Fair booth engagement with the public on topic of antibiotic resistance, use, and environmental contamination.

*Next steps:*

Item	To Do
1. Continue to enhance communication with news stories and personal stories	<ul style="list-style-type: none"> <li>• Expand formats for stories               <ul style="list-style-type: none"> <li>○ Email story monthly</li> <li>○ Social media</li> </ul> </li> </ul>
2. Continue to improve website	<ul style="list-style-type: none"> <li>• Review site to decrease text and increase ability to quickly and easily access resources</li> <li>• Include more photos</li> <li>• Consider conducting a survey of website users</li> </ul>
3. Enhance social media presence of the Collaborative	<ul style="list-style-type: none"> <li>• Coordinate among work groups to set 2018 agenda for social media</li> </ul>
4. Develop a “For Educators” page on the website	<ul style="list-style-type: none"> <li>• Identify existing antibiotic resistance and stewardship resources that teachers can use in their classrooms, across education levels</li> <li>• Provide link for educators to request a speaker on these topics</li> </ul>
5. Develop award for graduate antibiotic resistance and stewardship research in Minnesota	<ul style="list-style-type: none"> <li>• Establish framework for annual research award</li> <li>• Identify steering committee, including experts beyond Collaborative</li> </ul>
6. One Health Professional Exchanges	<ul style="list-style-type: none"> <li>• Plan three events for 2018</li> </ul>
7. 2018 Minnesota State Fair planning	<ul style="list-style-type: none"> <li>• Booth approach should bring more visitors to booth, encourage questions</li> </ul>
8. Public service announcement campaign	<ul style="list-style-type: none"> <li>• Explore public-private opportunities to fund media campaign</li> </ul>

**Animal Stewardship Work Group.** Beth Thompson, Chair ([Beth.Thompson@state.mn.us](mailto:Beth.Thompson@state.mn.us))



*Progress:*

- Continue to support FDA rule change, including veterinary feed directive
- Antibiotic stewardship curriculum advancements made at UMN College of Veterinary Medicine
- Group members involved in national efforts to measure antibiotic use in food animal commodities
- Fact sheets for public developed to explain antibiotic use and regulation in meat and milk production
- Continuing education lectures given at Minnesota veterinary Medical Association annual meeting

*Next steps:*

Item	To Do
1. Continue to develop fact sheets on antibiotic use	<ul style="list-style-type: none"> <li>• Next to be developed:                             <ul style="list-style-type: none"> <li>○ Pet owners</li> <li>○ Companion animal veterinarians</li> <li>○ Equine veterinarians</li> <li>○ Food animal commodity professionals</li> </ul> </li> </ul>
2. Focus on public communication for 2018	<ul style="list-style-type: none"> <li>• Coordinate across Collaborative for social media approach</li> <li>• Use professional groups associated with Collaborative to propagate social media</li> </ul>
3. Focus on supporting antibiotic stewardship in companion animal and equine practice	<ul style="list-style-type: none"> <li>• Survey companion animal, equine veterinarians</li> <li>• Develop new resources (e.g., fact sheets)</li> <li>• Enhance utility of webpage</li> <li>• Explore ways to support antibiotic use tracking in companion animal practice</li> </ul>
4. Continuing education (CE) webinar for veterinarians on antibiotic stewardship	<ul style="list-style-type: none"> <li>• Identify audience(s) for webinar(s)</li> <li>• Coordinate content and framework in regard to Veterinary Practice Act</li> <li>• Solicit involvement from Board of Veterinary Medicine for CE credits, promotion</li> </ul>
5. 2018 Minnesota State Fair planning	<ul style="list-style-type: none"> <li>• Booth approach should bring more visitors to booth, encourage questions</li> <li>• Discuss need for presence in barns, research building</li> </ul>
6. In non-Collaborative work, members work with national partners to understand antibiotic use data use and interpretation	<ul style="list-style-type: none"> <li>• Members will update group on progress</li> <li>• Knowledge will inform approaches to stewardship support and public communication in Minnesota</li> </ul>
7. With focus on antibiotic stewardship, continue gathering knowledge of antibiotic use, diagnostic protocols, and health management in all species	<ul style="list-style-type: none"> <li>• Continue to consolidate knowledge in Excel table of animal health, animal management, and clinical data and monitoring tools</li> <li>• Consider summarizing knowledge of MN antibiotic use and stewardship approaches in descriptive document for posting/publication</li> </ul>



**Human Antibiotic Stewardship Work Group.** Ayesha Rashid, Chair ([arashid@healtheast.org](mailto:arashid@healtheast.org))

*Progress:*

- Statewide Antibiotic Stewardship Honor Roll established for acute care and long-term care facilities
- Fact sheet series established for healthcare professionals
- The regional antibiogram project has started. Minnesota Department of Health and health systems are working to develop regional antibiograms for long-term care urinary E. coli isolates.
- Outpatient clinic antibiotic stewardship survey has been completed. Work on professional and patient support materials is ongoing.

*Next steps:*

Item	To Do
1. Regional antibiogram project for long-term care	<ul style="list-style-type: none"><li>• Identify important laboratory partners not yet included</li><li>• Complete planning and data collection</li><li>• Develop antibiograms and pilot in a small number of nursing homes</li><li>• Promote antibiograms statewide, if appropriate</li></ul>
2. Assess and refine, as needed, Antibiotic Stewardship Honor Roll program	<ul style="list-style-type: none"><li>• Work with Minnesota Dept. of Health (MDH)</li><li>• Identify facilities that might serve as mentors to less-advanced facilities</li><li>• Consider future outpatient clinic honor roll</li></ul>
3. Describe and share antibiotic use data for advancement of stewardship in MN	<ul style="list-style-type: none"><li>• When available, review MDH data on prescribing, include those from All Payer Claims Database, IQVIA, Medicare</li><li>• Consider how to use these data in professional and public communication and education</li></ul>
4. Patient engagement and education	<ul style="list-style-type: none"><li>• Enhance fact sheet offerings</li><li>• Develop succinct, consistent messaging</li><li>• Promote over social media, coordinated across Collaborative</li><li>• Consider resources for teachers</li></ul>
5. Engage rural providers	<ul style="list-style-type: none"><li>• Consider how to expand Collaborative participation to rural providers</li></ul>



**Antibiotic Footprint Work Group.** Kimberly Boeser, Chair ([kvarejc1@Fairview.org](mailto:kvarejc1@Fairview.org))

*Progress:*

- Clarified two distinct footprint projects to be undertaken by work group
  - Antibiotic footprint of the natural environment
  - Antibiotic footprint clinical support tool
- Recommended for Legislative and Citizen’s Commission for Minnesota’s Resources for research project to assess Minnesota’s environmental antibiotic footprint
- Work has begun on a clinical prescribing tool to help clinicians reduce their individual prescribing footprint
- Webinar held to describe pharmaceutical disposal practices and regulations in Minnesota (archived on website)

*Next steps:*

Item	To Do
1. Develop a Natural Environment Antibiotic Footprint	<ul style="list-style-type: none"> <li>• UMN-led research project</li> <li>• Relies upon all Collaborative members and their professional associations for support and expertise</li> </ul>
2. Develop Antibiotic Footprint Clinical Support Tool  -Tool used to inform prescribing decisions based on clinical data and potential environmental antibiotic impact	<ul style="list-style-type: none"> <li>• Continue to gather data and expertise needed to develop this tool</li> </ul>
3. Understand available data and data gaps	<ul style="list-style-type: none"> <li>• Generate summary document of available data and data gaps that will inform footprint projects</li> </ul>
4. Highlight importance of pharmaceutical disposal	<ul style="list-style-type: none"> <li>• Consider recognition program for community pharmacies with drug disposal boxes               <ul style="list-style-type: none"> <li>○ Partner with others, including those focused on opioid and clean water initiatives</li> </ul> </li> <li>• Learn about barriers to incineration in acute care and long-term care facilities</li> </ul>

**Collaborative-Wide Activities.** Amanda Beaudoin, Director ([amanda.beaudoin@state.mn.us](mailto:amanda.beaudoin@state.mn.us))

*Progress:*

- Monthly bulletins emailed to listserv, reaching human and animal health professionals, public, legislators
- “Talking points” developed to provide Collaborative members and all Minnesotans with clear, factual statements regarding antibiotic use and resistance in human, animal, environmental health
- In 2018, strong emphasis will be placed on public engagement

Contact us with any ideas, questions, clarifications!

Minnesota One Health Antibiotic Stewardship Collaborative [Health.Stewardship@state.mn.us](mailto:Health.Stewardship@state.mn.us)

MN One Health Antibiotic Stewardship website: <http://www.health.state.mn.us/onehealthabx/>

