



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)



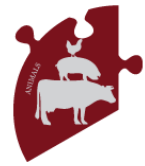
Progress:

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

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



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



Antibiotic Footprint Work Group. Kimberly Boeser, Chair (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"> • UMN-led research project • Relies upon all Collaborative members and their professional associations for support and expertise
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"> • Continue to gather data and expertise needed to develop this tool
3. Understand available data and data gaps	<ul style="list-style-type: none"> • Generate summary document of available data and data gaps that will inform footprint projects
4. Highlight importance of pharmaceutical disposal	<ul style="list-style-type: none"> • Consider recognition program for community pharmacies with drug disposal boxes <ul style="list-style-type: none"> ○ Partner with others, including those focused on opioid and clean water initiatives • Learn about barriers to incineration in acute care and long-term care facilities

Collaborative-Wide Activities. Amanda Beaudoin, Director (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

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

