

# Minnesota One Health Antibiotic Stewardship Collaborative (MOHASC) 2019 Meeting of Technical Working Groups

February 5, 2019

## Summary of Progress and Next Steps

This is a distillation of work completed and next steps for each work group, as of February 5, 2019.

### One Health Engagement Work Group

Nancy Rice, 2018 Chair ([nancy.rice@state.mn.us](mailto:nancy.rice@state.mn.us))



#### 2018 Progress:

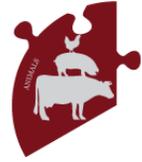
- Professional stewardship field exchanges at Wakefield Pork, Minnesota Department of Health Public Health Laboratory, waste water treatment plant laboratory.
- Engagement with over 10,000 State Fair attendees (+9,000 from 2017).
- One Health stewardship email reaching more than 750 subscribers (+200 from 2018).
- Presentation at local, state, national meetings to share One Health approach.
- Website routinely maintained, with new materials promoted through partners and by email bulletin.
- Social media footprint enhanced.

#### Next Steps for 2019:

Item	To Do
1. 2019 Minnesota State Fair (MSF)	<ul style="list-style-type: none"> <li>• Messaging for public                             <ul style="list-style-type: none"> <li>○ Review 2018 volunteer feedback, public questions to inform messaging for 2019 MSF</li> <li>○ Update online FAQ document</li> </ul> </li> <li>• Secure funding for 2019 MSF volunteer tickets</li> </ul>
2. MOHASC and antibiotic resistance-antibiotic stewardship (AR-AS) website	<ul style="list-style-type: none"> <li>• Link partner organization websites to MOHASC site</li> <li>• Increase visibility of new/popular/important materials and resources on website</li> <li>• Promote AR-AS resources on MDH homepage during U.S. Antibiotic Awareness Week</li> <li>• Continue regular review for relevance of information</li> </ul>
3. Social media messaging	<ul style="list-style-type: none"> <li>• Develop Social Media Toolkit for MOHASC partner organizations</li> <li>• Share AR-AS stories by social media</li> </ul>
4. Public awareness	<ul style="list-style-type: none"> <li>• Promote use of “Antibiotics O.W.N. Only When Needed” theme when released by MDH</li> </ul>
5. Graduate award for antibiotic resistance and stewardship research in Minnesota	<ul style="list-style-type: none"> <li>• Define funding strategy</li> <li>• Carry out award during 2019–20 academic year, if possible</li> </ul>
6. One Health professional stewardship field exchanges	<ul style="list-style-type: none"> <li>• Plan three events for 2018</li> </ul>
7. U.S. Antibiotic Awareness Week (USAA Week)	<ul style="list-style-type: none"> <li>• Expand daily email AR-AS stories to Instagram</li> <li>• Explore physical presence at science/natural history museum to engage with public</li> </ul>

## Animal Stewardship Work Group

Jennifer Granick, 2018 Chair ([grani003@umn.edu](mailto:grani003@umn.edu))



### 2018 Progress:

- Participated in national stewardship survey of companion animal veterinarians.
- Clinical resources developed for small animal veterinarians.
- Point prevalence survey of antibiotic use underway at UMN Veterinary Medical Center.
- Collaborative members involved in national efforts to measure antibiotic use in animal agriculture.
- Five-part webinar series planned for 2019, co-hosted by Minnesota Veterinary Medical Association.
- Progress made to establish companion animal disease and antibiotic surveillance system.
- Contributions made to veterinary continuing education, UMN veterinary curriculum.
- Fact sheet series for public and professionals expanded with small animal information.

### Next Steps for 2019:

Item	To Do
1. Fact sheets on antibiotic use	<ul style="list-style-type: none"> <li>• Next to be developed:                             <ul style="list-style-type: none"> <li>○ Backyard, hobby livestock owners</li> <li>○ Small ruminant veterinarians</li> <li>○ Equine veterinarians</li> </ul> </li> </ul>
2. Public engagement and education	<ul style="list-style-type: none"> <li>• Increase MOHASC co-branding of partner organization materials</li> <li>• Develop public awareness video with both agriculture and companion animal veterinarian interviews</li> </ul>
3. Support antibiotic stewardship in companion animal and equine practice	<ul style="list-style-type: none"> <li>• Develop Small Animal Antibiotic Stewardship Toolkit, modeled after MDH outpatient toolkit</li> <li>• Conduct point prevalence surveys of antibiotic use in MN small animal, equine practices</li> </ul>
4. Continuing education antibiotic stewardship webinar series for veterinarians	<ul style="list-style-type: none"> <li>• Carry out free five-part monthly webinar series, starting in April 2019</li> <li>• Topics: small animal, food animal, equine, and environmental antibiotic stewardship</li> </ul>
5. In non-MOHASC efforts, 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>
6. Regional antibiograms for companion animals	<ul style="list-style-type: none"> <li>• Work with clinical diagnostic laboratories to explore susceptibility testing data and develop regional antibiograms, as appropriate</li> <li>• Regional antibiograms will be used to understand geographic and temporal variations in susceptibility</li> </ul>

## Human Antibiotic Stewardship Work Group

Edwin Pereira, 2018 Chair ([ecpereira1@gmail.com](mailto:ecpereira1@gmail.com))



### 2018 Progress:

- Statewide Antibiotic Stewardship Honor Roll continued for acute care and long-term care facilities.
- Support development of Outpatient Antibiotic Stewardship Toolkit.
- Public awareness video produced, leading way for other MOHASC groups to replicate.
- Broad USAA Week public and professional promotion.
- Antibiogram project underway to support of small or rural facilities.
- Survey underway to understand laboratory role in stewardship and resource/support needs.

### Next Steps for 2019:

Item	To Do
1. Diagnostic laboratory engagement and support	<ul style="list-style-type: none"> <li>• Summarize laboratory survey data</li> <li>• Obtain antibiograms and methodologies for exploration of data and compilation of regional antibiograms, as appropriate</li> <li>• Establish webpage with links to publically available hospital antibiograms</li> <li>• Provide laboratories with stewardship resources, educational opportunities based on survey input</li> </ul>
2. Promote Antibiotic Stewardship Honor Roll Program for Acute and Long-Term Care	<ul style="list-style-type: none"> <li>• Increase promotion of program through MOHASC and other partners in stewardship</li> <li>• Develop map of honor roll facilities for website, to identify opportunities for program promotion and mentorship</li> </ul>
3. Antibiotic-use goalsetting for Minnesota	<ul style="list-style-type: none"> <li>• As available, review MDH data on prescribing, including from All Payer Claims Database, IQVIA Xponent®, Medicare</li> <li>• Discuss opportunities for goal setting, with target of decision-making at 2020 annual meeting</li> </ul>
4. Public awareness	<ul style="list-style-type: none"> <li>• Identify grassroots approaches to increase awareness (e.g., booth at farmers markets, community meetings, “mom blog” contributions)</li> <li>• Enhance USAA Week promotion</li> <li>• Translation of materials for non-English speakers</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**

Rebecca Zadroga, 2018 Chair ([rebecca.zadroga@hcmcd.org](mailto:rebecca.zadroga@hcmcd.org))



*2018 Progress:*

- Environmental Antibiotic Footprint proposal funded through Legislative-Citizen Commission on Minnesota Resources (LCCMR).
- Project underway to describe antibiotic footprint of major drug classes on humans, animals, environment.
- Pharmaceutical disposal made key message at 2018 Minnesota State Fair.

*Next Steps for 2019:*

Item	To Do
1. LCCMR-funded project: Define Antibiotic Footprint of Minnesota’s Natural Environment	<ul style="list-style-type: none"> <li>• Continue UMN-led research project</li> <li>• Relies upon all Collaborative members and their professional associations for support and expertise</li> </ul>
2. Develop One Health Antibiotic Footprint Summaries <ul style="list-style-type: none"> <li>• Resource that compiles information about impact of drug classes across human-animal-environmental health spectra</li> </ul>	<ul style="list-style-type: none"> <li>• Finalize document for tetracycline and fluoroquinolone drug classes</li> <li>• Circulate to MOHASC members in other groups for feedback</li> </ul>
3. Recognize pharmacies and other locations offering public drug take-back	<ul style="list-style-type: none"> <li>• Work across MDH-MPCA-Board of Pharmacy on this topic, recognizing that importance extends beyond antibiotics</li> <li>• Develop and distribute recognition materials to take-back box locations</li> <li>• Develop website to promote commitment of recognized facilities</li> </ul>

## Collaborative-Wide Activities

Amanda Beaudoin, Director ([amanda.beaudoin@state.mn.us](mailto:amanda.beaudoin@state.mn.us))

### 2018 Activities:

- National promotion of MOHASC activities, including detailed description of Minnesota's approach.
- January 2019 presentation at Presidential Advisory Council on Combating Antibiotic-Resistant Bacteria.
- Host quarterly call with over 30 state and federal agencies and national organizations.
- Regular updates provided to state agency leadership, with discussion regarding funding sustainability.

### 2019 Priorities:

- In 2019, emphasis will be placed on public engagement, development of materials for sectors in need of stewardship resources, and goal setting for outpatient antibiotic use.
- Survey of MOHASC membership and progress summary, midway through strategic plan period.

**Contact us with any ideas, questions, or clarifications!**

Minnesota One Health Antibiotic Stewardship Collaborative  
PO Box 64975  
St. Paul, MN 55164-0975  
651-201-5414  
[health.stewardship@state.mn.us](mailto:health.stewardship@state.mn.us)  
[health.state.mn.us/onehealthabx](http://health.state.mn.us/onehealthabx)

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*To obtain this information in a different format, call: 651-201-5414.*

