



Minnesota One Health Antibiotic Stewardship Collaborative 2017 Meeting of Technical Working Groups

December 9, 2016

Summary of Progress and Next Steps

This is a distillation of work completed and the next steps for each technical working group as of December 9, 2016.

One Health Engagement Work Group. Sara Vetter, Chair (sara.vetter@state.mn.us)



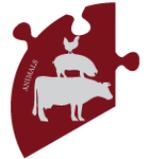
Progress:

- Website developed and launched July 2016, containing:
 - Links to antibiotic stewardship resources for human, animal, environmental health
 - Strategic plan, events, news, email bulletin signup, archived bulletins
- Website and email bulletin analytics, structure, content, frequency reviewed prior to December 9 meeting
- Recipient categories reviewed to assess breadth of engagement

Next steps:

| Item | To Do |
|---|--|
| 1. Enhance communication with news stories and personal stories <ul style="list-style-type: none"> a. Lay news stories- provide context for what people are reading (e.g., “Stories from the Web” to enhance situational awareness) b. “Who Uses Antibiotics?” page (e.g., consider Public Health Lab’s “Meet the Scientists” page) | <ul style="list-style-type: none"> • Select format for stories in email bulletins and website <ul style="list-style-type: none"> ○ Consider archiving all on website and highlighting one in each email • Promote email bulletin to underrepresented recipients • Determine how to select stories • Identify individuals to write commentary • Identify persons to highlight (e.g., physicians, veterinarians, producers, patients, nurses, mothers, fathers) • Consider process (e.g., standardized questions, free-form) |
| 2. Include more photos on website | <ul style="list-style-type: none"> • Crowd-source photos from all one health areas |
| 3. One health exchange experiences <ul style="list-style-type: none"> a. Set logistics b. Identify location for first two 2017 exchanges | <ul style="list-style-type: none"> • Plan 3 exchanges per year • Participant number, promotion (within collaborative only?), content, agenda for events • UMN Fairview Hospital is possible location for first exchange. Discuss date, capacity, format, etc. • Identify dairy farm to host second exchange |

Animal Stewardship Work Group. Beth Thompson, Chair (Beth.Thompson@state.mn.us)



Progress:

- Working group members have supported statewide understanding of FDA’s rule change, including veterinary feed directive, through phone calls, webinars, speaking engagements, online resources
- Efforts are underway to include antibiotic stewardship in UMN College of Veterinary Medicine (CVM) curriculum for large and small animal specialties
- Excel document listing antibiotic-use and antibiotic-resistance tracking tools and monitoring systems used by MN veterinarians and producers has been started

Next steps:

| Item | To Do |
|---|--|
| 1. Identify Veterinary Diagnostic Laboratory colleague to join technical work group | <ul style="list-style-type: none"> • Work group member will make contacts |
| 2. Plan 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 |
| 3. 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 |
| 4. Work with experts to understand how to use, interpret antibiotic-use data | <ul style="list-style-type: none"> • Summarize what is known about antibiotic use in each industry • Identify potential goals, guidance, and frameworks for benchmarking progress in MN animal antibiotic stewardship |
| 5. Develop “Myth Buster” sheets to improve public knowledge of antibiotic use in animal health | <ul style="list-style-type: none"> • Identify “myth buster” topics • e.g., antibiotics in food animal production, including animal health, marketing misconceptions |
| 6. Continue to integrate antibiotic stewardship into UMN’s CVM curriculum | <ul style="list-style-type: none"> • Work group members will continue discussions with key CVM contacts |
| 7. Review Animal Health section of the One Health Antibiotic Stewardship website | <ul style="list-style-type: none"> • Consider resources to be included/removed • Provide thoughts on current layout |

Human Antibiotic Stewardship Work Group. Ayesha Rashid, Chair (arashid@healtheast.org)



Progress:

- Initial criteria for statewide antibiotic stewardship honor roll under development
- Excel document listing antibiotic-use and antibiotic-resistance tracking tools and monitoring systems used by MN health care has been started
- Institutional processes shared for assessing gaps in acute care antibiotic stewardship programs

Next steps:

| Item | To Do |
|---|---|
| 1. Promote “gap analysis” across settings as a way to assess stewardship programs | <ul style="list-style-type: none"> • Continue to discuss methodology for acute-care gap analyses with focus on meeting Joint Commission standards • Identify ways to promote the concept of conducting gap analyses across the spectrum of care (e.g., sharing templates on website) |
| 2. Support process and tracking of provider antibiotic stewardship education/training | <ul style="list-style-type: none"> • Consider ways that provider training, and tracking of training, can be carried out to comply with Joint Commission standards • Identify effective courses and content to share across facilities and settings • Determine how effective content can be shared and/or modified for target audience |
| 3. Patient engagement and education | <ul style="list-style-type: none"> • Consider patient, client, family education in light of Joint Commission standards, including ways to track education efforts • Develop new ways to frame the message of stewardship • Identify key places for education, like outpatient, long-term care, and emergency departments |
| 4. Provider and patient education on antibiotic disposal | <ul style="list-style-type: none"> • Discuss education ideas for patients, clients, and providers |
| 5. Define antibiotic stewardship honor roll criteria and methodology | <ul style="list-style-type: none"> • Finalize criteria for honor roll • Work with Minnesota Dept. of Health (MDH) to establish process for program promotion • Formalize logistics for launch, promotion |
| 6. Engage rural providers | <ul style="list-style-type: none"> • Work with MDH Infection Control and Response Team to identify providers to contribute |

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
- Initiated process of identifying data sources to inform footprint development
- Methodology for antibiotic footprint of the natural environment is under development

Next steps:

| Item | To Do |
|--|---|
| 1. Develop a Natural Environment Antibiotic Footprint | <ul style="list-style-type: none"> • Will be led and carried out as UMN-led research project |
| 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"> • Define methodology and desired outputs for clinical tool • Establish timeline for work • Update 5-year State Strategic Plan to include this activity |
| 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 • Identify processes needed to obtain data, where possible • Determine alternatives for unmitigated data gaps |
| 4. Include pharmaceutical take-back links on website | <ul style="list-style-type: none"> • Communicated to website manager |

Contact me with any ideas, questions, clarifications!

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

