

Meeting Minutes

Antimicrobial Stewardship Utah Healthcare Infection Prevention Governance Committee

Date: 11/30/2023

Attendees:

April Clements, Angela Weil, Bea Jensen, Charisse Schenk, Claudia M Tellez Freitas, Devin Beard, Elaine Bailey, Giulia De Vettori, Hannah Imlay, James Bekker, Janelle Kammerman, Jeanmarie Mayer, Kristin Dascomb, Michelle Vowles, Tariq Mosleh, Zoey Bridges

Agenda Topics:

Introductions

12:00–12:05 (Tariq Mosleh)

- Approve minutes from last meeting
- Introductions
- Outline agenda

Action Steps/Plan

12:05–12:50 (Tariq Mosleh)

- Elaine Bailey, Executive Director of MARR, Michigan Antibiotic Resistance Reduction Coalition
 - <https://www.mi-marr.org/>
 - <https://www.osap.org>
- Antibiotic Awareness Week - Review

Partner updates

12:50–1:00 (Tariq)

- Updates from partners
- Antimicrobial Stewardship Project ECHO

Convene

Discussion:

Introductions

- Minutes approved by Claudia M Tellez Freitas and Devin Beard

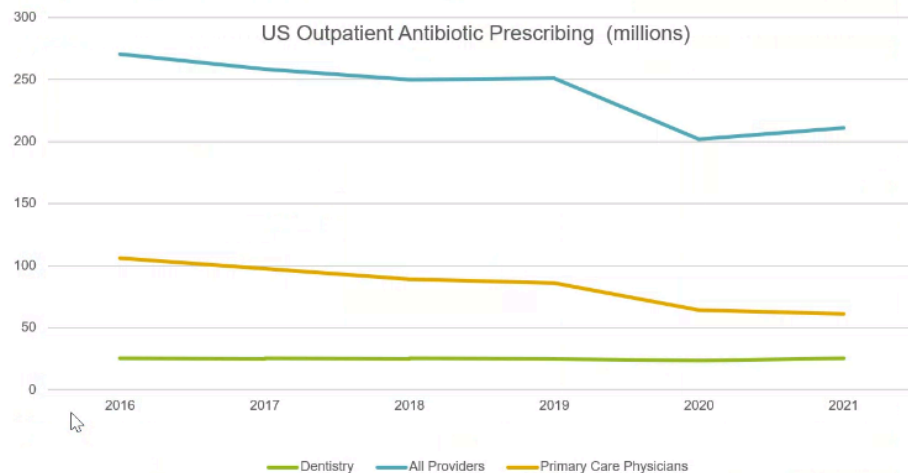
Action Steps/Plan

1. Elaine Bailey, Executive Director of MARR, Michigan Antibiotic Resistance Reduction Coalition
 - a. Dr. Elaine Bailey is the Executive Director of the Michigan Antibiotic Resistance Reduction (MARR) Coalition and has served on the MARR Advisory Council since 2000. She earned her doctorate of pharmacy degree and completed fellowship training in anti-infective pharmacotherapy at Wayne State University. She has held positions in academia, hospital pharmacy and pharmaceutical industry medical affairs, supporting the scientific development of a variety of anti-infectives. She has authored numerous scientific articles on antibiotic use and been an invited lecturer at pharmacy, medical

and dental meetings. Through her work with the MARR Coalition and collaboration with OSAP, her goal is to educate dental practices and patients to be better stewards of antibiotics, in an effort to curb the public health crisis of antibiotic resistance and improve patient care.

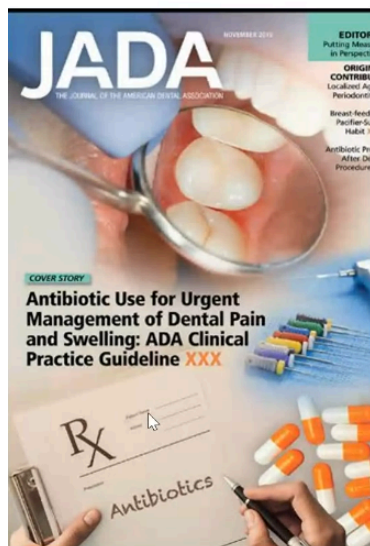
- b. MARR coalition was established in 1997 as a non-profit. They work closely with MDHHS, mainly the HAI/AR team
- c. In 2015, Dr. Bailey became the executive director at MARR
- d. Elaine Bailey, Marie Fluent, and Erinne Kennedy are working together on the OSAP grant

Dental Antibiotic Prescribing Remains Steady



<https://www.cdc.gov/antibiotic-use/data/outpatient-prescribing/index.html>

- e.
 - Dental antibiotic prescribing remains steady among dentistry, all providers, and primary care providers



Antibiotic Stewardship Principles Addressed in the Guidelines:

1. Indication for antibiotic use
2. Antibiotic selection
3. Management of patients with penicillin allergy
4. Duration of therapy

f.

Delayed Antibiotic Prescribing Patients with pain only where DCDT not immediately available

Evidence-Based Clinical Practice Guideline on Antibiotic Use for the Urgent Management of Palatal- and Periapical-Related Dental Pain and Intraoral Swelling: A Report from the American Dental Association

WAIT!
Don't have your antibiotic prescription filled yet!
Your dentist believes that your dental pain and swelling may get better without antibiotics.
Waiting to see if you really need an antibiotic can help you take antibiotics ONLY when needed.

Pads of 25 sheets available @ mi-marr.org

g.

- New guidelines that cover a wide variety of education
- Double sided, includes an algorithm, delayed prescribing from the CDC
- Worked with the dental association to provide pads of 25 sheets for patients that do not need an antibiotic at the current time, but may need them after a certain amount of time

Antibiotic Selection: Addressing PCN allergy & Adverse Reactions

DCDT is immediately available

DCDT is NOT immediately available

Chairside Guides (back)

<https://www.ada.org/resources/research/science-and-research-institute/evidence-based-dental-research/antibiotics-for-dental-pain-and-swelling>

h.

- Algorithms for addressing penicillin and adverse reactions for when DCDT is immediately available and when it is NOT immediately available

Consequences of Inaccurate Penicillin Allergy Labels

- Treatment failure, due to use of 2nd line agents
- Adverse drug events
 - *Clostridioides difficile* diarrhea
- Antibiotic resistance e.g., MRSA
- Surgical site infection
- Mortality

One dose of clindamycin has an equivalent risk of *C. diff* diarrhea compared with a prolonged course of other antibiotics

Antibiotic Class	Risk of CDI Odds Ratio, (95% CI)
Clindamycin	20.43 (8.50–49.09)
Cephalosporins	4.47 (1.60–12.50)
Penicillins	3.25 (1.89–5.57)
Macrolides	2.55 (1.91–3.39)
Tetracyclines	0.91 (0.57–1.45)

Surgical site infections after Oral and Maxillofacial Surgery

	SSI	No SSI	Total
Reported Penicillin Allergy	13 (4.1)	305 (95.9)	318 (100.0)
Non-Penicillin Allergic	27 (1.6)	1,713 (98.4)	1,740 (100.0)

Number (%) shown. Relative Risk of 2.63 (95% CI 1.37-5.05, $P = .004$).

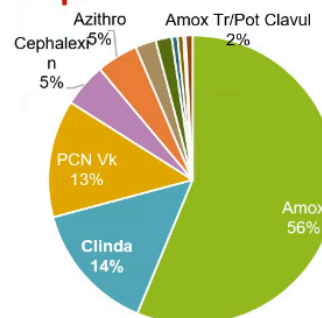
Samarakoon U et al. Ann Allergy Asthma Immunol. 2022 Dec 20;S1081-1206(22)02006-3

Roistacher DM, Heller JA, Ferraro NF, August M. Is Penicillin Allergy a Risk Factor for Surgical Site Infection After Oral and Maxillofacial Surgery? J Oral Maxillofac Surg. 2022 Jan;80(1):93-100

i.

Dental Offices: An Opportunity for Penicillin Allergy Stewardship

- Amoxicillin is the most prescribed antibiotic in dentistry
- Patients generally see their dental providers more often than other health-care providers
 - Personal relationships/trust
- Entire family visit same dental provider



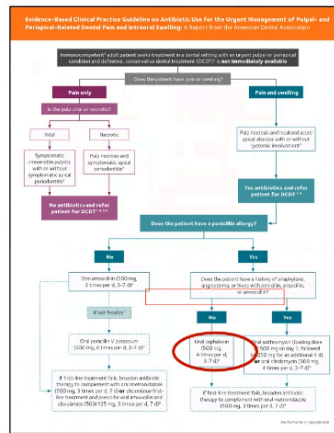
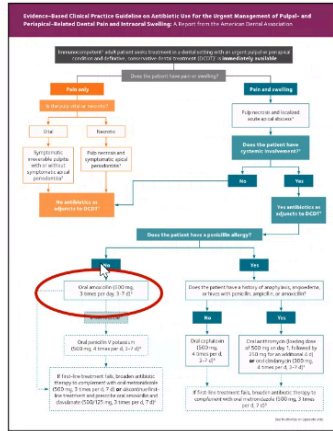
Roberts, R., Bartoces, M., Thompson, S. and Hicks, L. (2017). Antibiotic prescribing by general dentists in the United States, 2013. *The Journal of the American Dental Association*, 148(3), pp.172-178.e1.

Vivo A, Durkin MJ, Kale I, Boyer T, Fitzpatrick MA, Evans CT, Jurasic MM, Gibson G, Suda KJ. Opportunities for penicillin allergy evaluation in dental clinics. *Antimicrob Steward Healthc Epidemiol*. 2022 Apr 11;2(1):e58.

j.

- At dental visits, it is a great opportunity to provide information and have a discussion about penicillin allergy

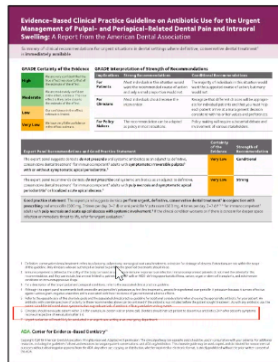
Antibiotic Duration: Short-Course



k.

- Short-course therapy ~3-7 days

Antibiotic Duration: Early Discontinuation



DCDT is immediately available

DCDT is NOT immediately available



Chairside Guides (front)

<https://www.ada.org/resources/research/science-and-research-institute/evidence-based-dental-research/antibiotics-for-dental-pain-and-swelling>

l.

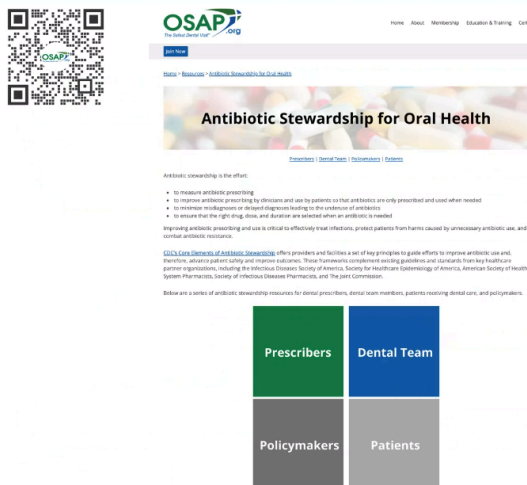
Challenges and Opportunities in Implementing Stewardship in YOUR Dental Practice

- Few opportunities to observe adverse events
- Difficulty in tracking, lack of access to EHR
- Lack of national dental guidelines for specific dental indications
- Are pressured to prescribe by patients and medical clinicians
- Lack time/resources associated with health-systems
- Dental office knows their patients
- Limited bureaucracy
- Ability to focus on "low-hanging fruit"

m.

- Once a dentist has prescribed an antibiotic, they rarely have opportunities to observe or hear about adverse events
- Difficulty tracking due to a lack of connection to an ICD-10 code

Antibiotic Prescribing and Stewardship in Dentistry: A Public Health Perspective. CDA Vol 46, N12
Antibiotic Stewardship in Dentistry: Opportunities and Challenges. MDA. October 2019



n.

- If you use the QR code, there is a robust amount of information about antibiotic stewardship for oral health that includes information for prescribers, dental team, patients, and policymakers
- It is important to involve the whole dental team to be involved in this process



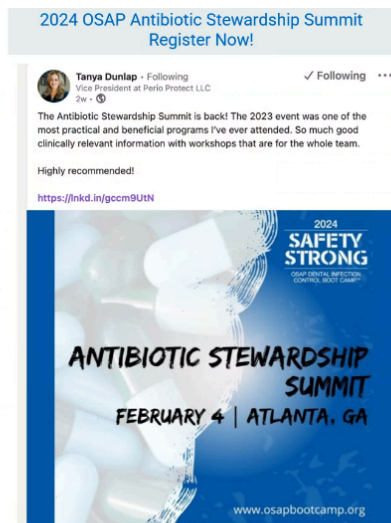
<https://osap.mclms.net/en/package/10853/view>

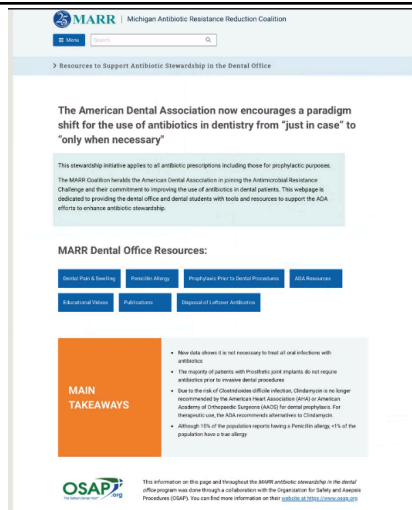
Up to 4 hours of content worth ADA CERP CE credits through January 31, 2026.



o.

- Last year they had their first Antibiotic Stewardship Summit
- Up to 4 hours of credits are available from the 2023 summit through January 31, 2026
- February 4, 2024 is the next Antibiotic Stewardship Summit





p.

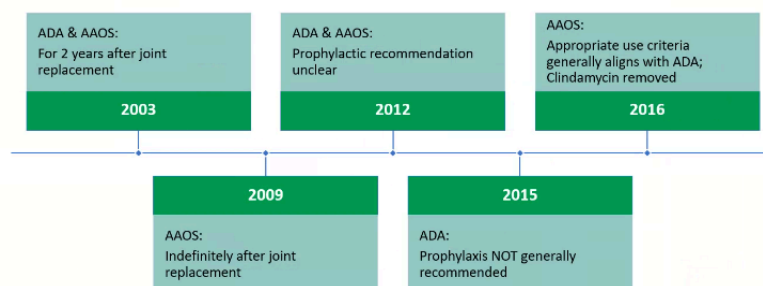
- www.mi-marr.org - updated website
- MARR dental office resources



q.


- Tools and resources to support the guidelines
- They are being used in several dental offices throughout Michigan
- Penicillin allergy resources

Evolution of Dental Antibiotic Prophylaxis in Patients With Prosthetic Joints



r.

Educational Videos



Antibiotic Stewardship in the Dental Office


This 23-minute, case-based, educational video covers current guidelines for use of antibiotics in dental patients. Real-life scenarios are provided, illustrating how the entire dental office can support antibiotic stewardship.

This web page offers the complete collection of tools and resources that were reviewed during the video.

Although this video was developed with students in mind it is appropriate the entire dental office as a collective effort is needed by all to learn, educate, and implement guidelines for proper antibiotic use.

Please consider providing feedback on the video so that we may improve the resources we develop.

[Feedback form - opens in a new tab](#)



Safe Antibiotic Use for Dental Patients

Videos, resources, and materials for dental patients are available on our [Prescribing Antibiotics](#) page

S.

- Videos that contains cases to use during dental lunch and learns

Recommendations for Dental Offices

- Develop written office policy on antibiotic prescribing
- Educate the entire dental team & the patient– improves adherence
- Move from “just-in-case” to “when benefit outweighs risk”
- Establish shorter durations of therapy and incorporate early discontinuation
- Implement “Penicillin Allergy Stewardship”
- Address history/risk of C diff in ALL patients receiving antibiotics

t.

2. Antibiotic Awareness Week Review - Charisse Schenk

- 7 antibiotic awareness social media posts were posted on Utah DREAM & HAI/AR social media handle @utah.disease.response
<https://www.instagram.com/utah.disease.response/>

Partner updates

- Updates from partners
 - None
- Antimicrobial Stewardship Project ECHO
 - No AS ECHO webinar call in December
 - Next AS ECHO webinar call will be on January 17th at noon
 - Dr. Fatima Bernard who is the AMDA MW chapter president will be presenting on “The Role of Medical Directors in Antibiotic Stewardship in PALTC”

Convene

- Every eight weeks
 - 01/25/2023
- Minutes will be posted to the HAI website

- <https://epi.health.utah.gov/uhip-governance-minutes/>

Next Meeting Discussion/Questions

-