

Syllabus

2024-2026 Key Concepts for Rural Practitioners

1. Instructor



Your course instructor is Thom Pancella, Director of the MU Extension Continuing Education for Health Professions Department. He can be reached at cehp@missouri.edu or 573-882-4105 during weekday office hours.

Email canvas@umsystem.edu for technical support.

2. Course description

This on-demand course is designed to enhance the knowledge and skills of rural practitioners. This course includes 10 modules presented by subject matter experts. The modules were created between 2021 and 2023. All 2021 modules were updated in January 2024 and two new modules (i.e., Diabetes, Infection Prevention) were added in 2024.

Learners can choose the modules to complete for credit. Module 4 must be done prior to doing modules 5-8, all asthma topics. Otherwise, learners can determine the order of modules they want to complete.

We provide an optional [Module Tracker](#) (in the online Syllabus) you can download to help you document your progress. Use this optional, two-page [Panopto Primer](#) (in the online Syllabus) to enhance your video viewing experience (e.g., automated Closed Captioning and video speed control).

Module topics and estimated completion time

- [1. Diabetes](#) - 75 minutes
- [2. Infection Prevention](#) - 75 minutes
- [3. Patient Choice: Caring for Older Adults with Chronic Conditions](#) - 60 minutes
- [4. Asthma Ready Communities Overview](#) (required prior to modules 5-8) - 60 minutes
- [5. Managing Life-Threatening Asthma at School \(previously HB1188\)](#) - 4.5 hours
- [6. Supporting Asthma Control in the School Setting \(previously TUAC\)](#) - 4.0 hours
- [7. Adolescent Cessation in Every School \(ACES\)](#) - 4.5 hours
- [8. Counseling for Asthma Risk Reduction \(CARR\)](#) - 2.5 hours
- [9. Psychopharmacology in Autism Spectrum Disorder](#) - 45 minutes
- [10. Rural Practitioner and Clinical Ethics](#) - 60 minutes

3. Objectives

Global learning objectives

Upon successful completion of one or more modules, we anticipate learners will be able to:

- Identify common barriers and develop solutions in the treatment of certain chronic conditions
- Improve communication skills with patients and families
- Recognize and proactively address ethical issues

Module-level learner objectives:

1. Diabetes

Upon successful completion of this module, we anticipate learners will be able to:

- * Confidently prescribe treatment for patients with DMT2
- * Understand the wide range of non-insulin medications available and how they work
- * Effectively use the latest technology for glucose monitoring
- * Better assess when to prescribe or begin insulin treatment for a patient
- * Co-create care plans and talk with your patients about diabetes to motivate behavior change
- * Decipher lab results in conjunction with patient history

2. Infection Prevention

Upon successful completion of this module, we anticipate learners will be able to:

- * Recognize the interconnectedness of the infection prevention “puzzle pieces”, including antibiotic stewardship and diagnostic stewardship, and how you play a role as a health care worker.
- * Evaluate the consequences of inaccurate diagnosis, unnecessary testing, and inappropriate antibiotic prescriptions
- * Utilize surveillance data as a critical piece of infection prevention and incorporate it as an active process in your setting
- * Apply current trends and practices based on up-to-date research
- * Use the skills and resources you have available to improve patient outcomes and reduce patient harm

3. Patient Choice: Caring for Older Adults with Chronic Conditions

Upon successful completion of this module, we anticipate learners will be able to:

- * Address the problem of conflicting guidelines for patients with multiple chronic conditions
- * Understand approaches to prioritizing treatment approaches
- * Understand the role of patient goals and preferences in developing treatment plans

4. Asthma Ready Communities Overview

Upon successful completion of this module, we anticipate learners will be able to:

- * Understand Asthma Ready® Communities' goal of providing standardized, evidence-based education for children with asthma, families, and health professionals.
- * Proceed to Modules 5-8 that contain more specific asthma-topics.

5. Managing Life-Threatening Asthma at School (Previously House Bill 1188)

Upon successful completion of this module, we anticipate learners will be able to:

- * Increase knowledge of ABMS/ ACCME guidelines and opportunities for the engagement of MOC Part II Lifelong Learning education, training and
- * Identify required elements of a HB 1188 protocol, including assessment findings that constitute a "life-threatening" asthma exacerbation, critical action steps for activating 911 and medication
- * Describe resources and best practices for training school nurses and staff and documenting and reviewing use of the HB 1188
- * Explain how implementation of HB 1188 has impacted school asthma services in several Missouri school.

6. Supporting Asthma Control in the School Setting (Previously TUAC)

Upon successful completion of this module, we anticipate learners will be able to:

- * Describe the purpose of TUAC program.
- * Discuss key points of the asthma guidelines, including identification of students with persistent asthma.
- * List the four key asthma messages for student education/self-care skills and school nurse competency development.
- * Describe the TUAC program materials available to deliver key asthma messages.
- * Discuss asthma tools to assess airflow and inhalation technique.

7. Adolescent Cessation in Every School (ACES)

Upon successful completion of this module, we anticipate learners will be able to:

- * Explain problems associated with adolescent tobacco use and the role of public health/health professionals is addressing this problem.
- * Describe key components in evidence-based tobacco cessation interventions.
- * Apply evidence-based tools in the ACES toolkit to address adolescent tobacco use.

8. Counseling for Asthma Risk Reduction (CARR)

Upon successful completion of this module, we anticipate learners will be able to:

- * Describe the purpose of the Counseling for Asthma Risk Reduction (CARR) program.

- * Discuss key asthma messages and actions needed during asthma education sessions.
- * Identify recommended schedule, topics and supporting materials for initial education and follow-up sessions.
- * Describe billing guidelines for each of the asthma education sessions.
- * Discuss program materials (CARR flip chart, patient handouts, asthma videos) for use in asthma education sessions.
- * Discuss asthma tools to assess airflow and inhalation technique.

9. Psychopharmacology in Autism Spectrum Disorder

Upon successful completion of this module, we anticipate learners will be able to:

- * Identify some therapeutic targets in autism spectrum disorder and their evidence basis
- * Recognize challenges of psychopharmacology in ASD
- * Preview emerging treatment options

10. Rural Practitioner and Clinical Ethics

Upon successful completion of this module, we anticipate learners will be able to:

- * Examine common ethics issues in rural communities
- * Engage in ethics case analysis
- * Identify strategies to mitigate ethical conflicts in rural practice

4. Accreditation and course completion

Important dates

- Enrollment open until July 15, 2026
- Course closes July 30, 2026
- Evaluation and Verification of Attendance closes August 15, 2026

Three steps to successful completion and receiving credit

1. Complete the required [HRSA Continuing Medical Education \(CME\) Participant Information Form](#) (located in Course Accreditation and Completion section) **one time**, prior to beginning any module(s).
2. Complete all learning activities for each module you want credit for. The module activities vary and may include:
 - Completing pre- and post- assessments
 - Watching video clips
 - Readings
 - Completing online learning activities (e.g., match terms to reinforce concepts)
 - Completing a module quiz

3. Complete the **Course Evaluation and Verification of Attendance** **ONE TIME**, only after completing the final module(s) you want credit for. The link to the Course Evaluation is located inside the course **Syllabus**> **4. Course Accreditation and Completion** section. As soon as you select the evaluation [Submit] link, you will receive an email with a printable certificate as verification of your participation.

Accreditation

1.Diabetes

Successful Completion

Successful completion of this activity includes participating in the educational offering, participating in the online evaluation process, and completing the online verification of attendance, enables the learner to satisfy the requirements to claim continuing education.

Continuing Medical Education (CME)

The University of Missouri - Columbia School of Medicine is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

The University of Missouri - Columbia School of Medicine designates this live educational activity for a maximum of *1.25 AMA PRA Category 1 Credit(s)*[™]. Physicians should only claim the credit commensurate with the extent of their participation in the activity.

Relevant Financial Relationship Disclosures

Current ACCME (Accreditation Council for Continuing Medical Education) rules state that participants in CE activities should be made aware of any relevant affiliation or financial interest in the previous 24 months that may affect the planning of an educational activity or a speaker's presentation(s). Each planning committee member and speaker has been requested to complete a financial relationship reporting form for the Diabetes Module.

No speaker or planning committee member has a relevant financial interest.

2.Infection Prevention

Successful Completion

Successful completion of this activity includes participating in the educational offering, participating in the online evaluation process, and completing the online verification

of attendance, enables the learner to satisfy the requirements to claim continuing education.

Continuing Medical Education (CME)

The University of Missouri - Columbia School of Medicine is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

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Relevant Financial Relationship Disclosures

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No speaker or planning committee member has a relevant financial interest.

3. Patient Choice: Caring for Older Adults with Chronic Conditions

Successful Completion

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Continuing Medical Education (CME)

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Relevant Financial Relationship Disclosures

Current ACCME (Accreditation Council for Continuing Medical Education) rules state

that participants in CE activities should be made aware of any relevant affiliation or financial interest in the previous 24 months that may affect the planning of an educational activity or a speaker's presentation(s). Each planning committee member and speaker has been requested to complete a financial relationship reporting form for the Patient Choice: Caring for Older Adults with Chronic Conditions.

No speaker or planning committee member has a relevant financial interest.

4.Asthma Ready Communities (ARC) Overview

No CME; however, required prior to doing modules 5-8.

5. Managing Life-Threatening Asthma at School

Successful Completion

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Continuing Medical Education (CME)

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Relevant Financial Relationship Disclosures

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No speaker or planning committee member has a relevant financial interest.

6.Supporting Asthma Control in the School Setting

Successful Completion

Successful completion of this activity includes participating in the educational offering, participating in the online evaluation process, and completing the online verification of attendance, enables the learner to satisfy the requirements to claim continuing education.

Continuing Medical Education (CME)

The University of Missouri - Columbia School of Medicine is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

The University of Missouri - Columbia School of Medicine designates this live educational activity for a maximum of *4.0 AMA PRA Category 1 Credit(s)*[™]. Physicians should only claim the credit commensurate with the extent of their participation in the activity.

Relevant Financial Relationship Disclosures

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No speaker or planning committee member has a relevant financial interest.

7.Adolescent Cessation in Every School (ACES)

Successful Completion

Successful completion of this activity includes participating in the educational offering, participating in the online evaluation process, and completing the online verification of attendance, enables the learner to satisfy the requirements to claim continuing education.

Continuing Medical Education (CME)

The University of Missouri - Columbia School of Medicine is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

The University of Missouri - Columbia School of Medicine designates this live educational activity for a maximum of 4.5 AMA PRA Category 1 Credit(s)[™]. Physicians should only claim the credit commensurate with the extent of their participation in the activity.

Relevant Financial Relationship Disclosures

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No speaker or planning committee member has a relevant financial interest.

8. Counseling for Asthma Risk Reduction (CARR)

Successful Completion

Successful completion of this activity includes participating in the educational offering, participating in the online evaluation process, and completing the online verification of attendance, enables the learner to satisfy the requirements to claim continuing education.

Continuing Medical Education (CME)

The University of Missouri - Columbia School of Medicine is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

The University of Missouri - Columbia School of Medicine designates this live educational activity for a maximum of 2.5 AMA PRA Category 1 Credit(s)[™]. Physicians should only claim the credit commensurate with the extent of their participation in the activity.

Relevant Financial Relationship Disclosures

Current ACCME (Accreditation Council for Continuing Medical Education) rules state that participants in CE activities should be made aware of any relevant affiliation or financial interest in the previous 24 months that may affect the planning of an educational activity or a speaker's presentation(s). Each planning committee member and speaker has been requested to complete a financial relationship reporting form for the Peds: Counseling for Asthma Risk Reduction (CARR) Module.

No speaker or planning committee member has a relevant financial interest.

9. Psychopharmacology in Autism Spectrum Disorder

Successful Completion

Successful completion of this activity includes participating in the educational offering, participating in the online evaluation process, and completing the online verification of attendance, enables the learner to satisfy the requirements to claim continuing education.

Continuing Medical Education (CME)

The University of Missouri - Columbia School of Medicine is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

The University of Missouri - Columbia School of Medicine designates this live educational activity for a maximum of *0.75 AMA PRA Category 1 Credit(s)*[™]. Physicians should only claim the credit commensurate with the extent of their participation in the activity.

Relevant Financial Relationship Disclosures

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No speaker or planning committee member has a relevant financial interest.

10. Rural Practitioners and Clinical Ethics

Successful Completion

Successful completion of this activity includes participating in the educational offering, participating in the online evaluation process, and completing the online verification of attendance, enables the learner to satisfy the requirements to claim continuing education.

Continuing Medical Education (CME)

The University of Missouri - Columbia School of Medicine is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

The University of Missouri - Columbia School of Medicine designates this live educational activity for a maximum of *1 AMA PRA Category 1 Credit(s)*[™]. Physicians should only claim the credit commensurate with the extent of their participation in the activity.

Relevant Financial Relationship Disclosures

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No speaker or planning committee member has a relevant financial interest.

5. Diversity

We value the voice of every student in this course. We embrace our diversity as a group—in race, gender, age, sexual orientation and gender identity, religion, language, ability, culture, ethnicity, socioeconomic and veteran status, —as an asset, resource and strength that is critical to our learning experience. As a result, we are committed to designing inclusive lessons and assignments that encourage diverse perspectives to be recognized and respected, while providing you with the opportunity to speak and be heard, explore your own understanding, and engage with one another.

(Adapted with permission from MU Teaching for Learning Center's Teaching and Learning in the Diverse Classroom)

Accessibility

We all learn differently, and we want every student to succeed. If you have a learning need or disability, please email Jessica Gordon at gordonjes@missouri.edu to request MU Extension ADA Support as soon as possible so we can provide you with appropriate accommodations.

Acknowledgements

Planning Committee

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- Kathleen Quinn, PhD, Associate Teaching Professor; Associate Dean for Rural Health, University of Missouri School of Medicine
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