

Increased knowledge and satisfaction with micro lecture – driven GeroChamp Curriculum

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Background: Mindful of health care provider’s busy schedules and post Covid pandemic reduction in average attention spans, the Dakota GWEP created online microlectures for Gerochampions based on the 26 AAMC Geriatric competencies linked to a Digital Badge. This research assesses health care trainee knowledge and satisfaction following asynchronous online Geriatric training.

Methods: Gerochampion levels 1-5 were created and disseminated to healthcare professionals in the Great Plains region. Each module is split into 5 - 6 micro-lectures as a split screen experience that shows the presenter and a powerpoint slide deck. Pre- and post-assessments for geriatric knowledge for each module and end of level feedback surveys are included in curriculum. Participants receive a Gerochamp Digital Badge accredited by the university’s teaching academy.

Results: 539 trainees registered for the curriculum from 2023 to the end of 2024, with 37% students and 63% professionals across 60 different professions and disciplines. Demographics distribution shows that trainees range from under 19 years of age (1%) to above 60 years of age (6%), 78% females, and 82% White. 36% of trainees are affiliated with primary care settings while 33% serve underserved and rural communities. 6% identified themselves as veterans. 153 registrants (28%) completed level 1 modules with significant improvement in knowledge. 72 % of these level 1 trainees provided feedback with 100% reporting “excellent”, “very good” and good” overall reaction to the course. 84% respondents’ express commitment to making changes in their practice based on knowledge gained from this curriculum with 97% respondents agreeing that future education on these subject matters is important for their practice.

Conclusion: Busy healthcare professionals who voluntarily seek geriatric training found the microlecture format to be engaging and valuable for improved Geriatrics knowledge. Pre- and post-assessments ensure effective learning, albeit we do not know if this learning format improves retention or changes clinical practice, a limitation of the current study. Additional feedback indicated the desire of trainees to receive continuing education credit on Geriatrics.

Financial Disclosure: No conflicts to disclose. This presentation is sponsored by Dakota Geriatrics, a Geriatric Workforce Enhancement program, supported by funding from the Health Resources & Services Administration (HRSA) of the U.S. Department of Health and Human Services (HHS) as part of an award totaling \$5M. The contents are those of the author(s) and do not necessarily represent the official views of, nor an endorsement by HRSA, HHS, or the U.S. Government.

Participants in the curriculum expressed high satisfaction, reported increased knowledge—both through testing and self-assessment—demonstrated a commitment to implementing changes, and acknowledged a need for further education on the topics.

Gerochamp



What is the Gerochampion curriculum?

- The purpose of the Online Geriatrics Curriculum is to provide core knowledge for medicine, nursing, psychology, social work, physical therapy and multidisciplinary professionals (Partnership for Health in Aging, 2010), along with competencies for interprofessional practice applying to older adult teams.
- One will start each microlearning module with a pre-test. After completing the test, you will watch the video presentation (5-20 minutes), followed by a post-test. The curriculum consists of multiple modules, and you can pause and return to them at your own pace.
 - Level 1
 - Biology of Aging
 - Mobility Fall Prevention
 - Geriatric Assessment
 - Delirium
 - Dizziness
 - Advance Directives

