

Dental Public Health

Course Information

Developers: Dental Hygiene State Curriculum Committee

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KBOR Facilitators: Rita Johnson/Shirley Antes/April Henry

Total Credits: 2 credits

Description

This course facilitates the student's development as a responsible leader in public health programs. Topics include public health structure and global public health access, statistical procedures for critiquing scientific literature and epidemiology. Course content includes emphasis on the role of the dental hygienist in community health promotion, implementation and evaluation using evidence based research.

Competencies:

1. Discuss trends in national oral health care financing and community based public programs.
2. Discuss prevention strategies to halt or decrease oral disease frequency in high risk populations.
3. Discuss the relationship between socioeconomic position and oral health disparities, and confounding cultural beliefs.
4. Discuss the function of NOHSS and the oral health indicators tracked.
5. Discuss the purpose of state coordinated oral health statistics.
6. Define and discuss the terms epidemic, pandemic, endemic, incidence, prevalence, morbidity and mortality.
7. Discuss the epidemiological triad.
8. Discuss and differentiate ecological, cohort, cross-sectional and case control epidemiological designs.
9. Discuss and differentiate the utilization of oral health indices in private practice, research and public health.
10. Discuss overall goals of program development for a community program.
11. Discuss elements of objective and subjective data necessary for proper needs

assessment of various populations.

12. Identify stages of community program planning including needs assessment, target population identification, planning, implementation and evaluation.
13. Formulate and deliver age appropriate lesson plans with content supporting objectives and learning activities.
14. Define and discuss the function of quantitative and qualitative measures in program evaluation.
15. Discuss mechanisms to develop a community dental hygiene health promotion program including population assessment, goal and objective formulation, funding sources, program operations, and formative and summative evaluation measures.
16. Define and discuss descriptive and analytical statistical measures used to evaluate given populations.
17. Discuss and interpret commonly used parametric and non – parametric statistical tests.
18. Discuss inferential statistics used in health care research.
19. Define clinical and statistical significance in relationship to study results from published literature.
20. Given a research design, determine which statistical analysis would be appropriate.