

Elective Description

Campus: Fargo (ALL)

Elective/Experience Title: Pediatric Public Health

Location of Elective: Virtual

Department: Pediatrics

Course Number: PED 9502

Preceptor(s): Dr. Chris Tiongson

Period(s) Offered: all

Number of students per period: 3-4 at the discretion of faculty

Course Prerequisites: none

Revised Curriculum Phase(s): 2 & 3

Purpose: To gain knowledge of and experience in the application of public health principles to pediatric topics.

Objectives: Following successful completion of this elective, the student will be able to:

1. Demonstrate knowledge of evidence-based recommendations of public health concerns relating to the health of children.
2. Create implementation plans for pediatric public health concerns for primary pediatrics within a practice, community-wide within a city or county, and regionally within the state of North Dakota.
3. Identify appropriate measurement methods for the impact of the implementations on improved health including process and outcome measures.
4. Identify the feasibility of obtaining data to complete the measurements described in objective #3.

Instructional Activities: During this elective, the student will be involved in/experience:

1. Research the literature for evidence-based recommendations on 4 important public health concerns relating to the health of children
 - a. examples include vaccination, poverty, obesity, vaping/smoking, accident and trauma prevention, suicide prevention, gun violence prevention, reproductive health, pollution, pandemic preparedness, dental care/fluoride, school nutrition, access to food, car seats and seat belts, bike safety, screen use, lead poisoning, TB, smoke detectors, Flint water crisis, Measles outbreaks
 - b. other topics to be approved by faculty
2. For each topic, synthesize the evidence-based recommendations and create an implementation plan tailored for the following levels of care, including child health advocacy as applicable:
 - a. primary pediatrics within a practice
 - b. community-wide within a city or county
 - c. regionally within the state of North Dakota
3. For each level of intervention, determine appropriate ways to measure progress toward improved health
 - a. include both process and outcome measures
 - b. discuss the feasibility of obtaining the data
4. Share a written report (either an essay or slides for a formal academic presentation, but to include at least one formal academic presentation) of one pediatric public health issue per week that meets the learning objectives. Include references for all source material used.
5. Review and discuss reports with course director at least weekly

EVALUATION METHODS

1. The course director will assess completion of the required number of written reports/presentations with 4 completed required to pass the rotation
2. Effectiveness of review of evidence-based recommendations, implementation plan, and measurement of progress toward the goals to be assessed on a 5 point Likert scale with 5 being the highest.

Criteria for Grading: During and following this elective, the preceptor will:

1. Utilize the standardized UNDSMHS virtual senior elective evaluation form.
2. Assess completion of the required number of written reports/presentations with 4 completed required to pass the rotation
3. By direct evaluation of presentation or written work evaluate the effectiveness of review of evidence-based recommendations, implementation plan and measurement of progress toward the goals using a 5-point Likert type scale.