

## Elective Description

**Campus:** Grand Forks (Northeast)

**Department:** Family and Community Medicine

**Elective Title:** Telehealth/Telemedicine in Family Medicine

**Course Number:** FMED 9322-01

**Location of Elective:** Veterans Administration – Bemidji Community Based Outpatient Clinic

**Preceptor(s):** Suzanne Human, MD

**Course Prerequisites:** Phase II

**Period(s) Offered:** All by approval

**Revised Curriculum Phase(s):** Phase II & III

**Number of students per period:** 1

**Purpose:** To grow students understanding of competencies and ability to operate clinically in a telemedicine clinical environment.

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

1. Given a real and/or simulated patient encounter, describe 3-5 of the most common benefits and limitations of telehealth to patients and health care professionals. (1.6, 1.10, 2.7, 2.8, 2.9)
2. Given a real and/or simulated patient encounter, describe the primary roles and responsibilities of team members during telehealth encounters. (2.7, 7.2, 7.4)
3. Given a real and/or simulated patient encounter, define when patient safety is at risk and escalated response is required 100% of the time. (3.5, 6.5)
4. Given a real or simulated telehealth patient encounter, generate a patient history equivalent to a patient history during face-to-face encounters. (3.1, 5.1, 5.2, 5.3, 5.5, 5.6, 5.7, 5.8, 6.1, 6.2)
5. Given the patient-generated data from a real or simulated patient telehealth encounter, define how all the critical data from the encounter will inform the treatment plan. (3.3, 3.4, 3.7, 3.9)
6. Given a real or simulated telehealth patient encounter, demonstrate appropriate planning (e.g., setting, lighting) and behavior (e.g., eye contact, non-verbal communication) needed for successful telehealth encounters. (1.10, 4.8, 5.1, 5.2, 5.3, 5.5, 5.6, 5.7, 5.8)
7. Given one or more telehealth case examples, describe common ethical challenges including potential conflicts of interest. (5.6, 5.9)
8. Given a verbal prompt, define some of the common patient-owned and health system telehealth equipment and its limitations. (1.10, 3.9, 6.3, 6.4, 6.5)
9. Given case examples, define how telehealth can impact health equity and access to care, including potential cultural, social, physical barriers (2.8, 5.5, 6.1, 6.3, 6.4)

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

1. Telemedicine encounters through the VA system
2. Didactic lectures and discussion with preceptors and UNDSMHS faculty
3. Self-Directed learning with readings, and video content to review as well as presentation to faculty

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

1. Utilize the standardized UNDSMHS senior elective evaluation form.
2. Assess by discussion student's understanding of the benefits and limitations of telemedicine visits (objective 1)
3. Assess by discussion and direct observation the student's understanding of the roles and responsibilities of the healthcare team in a telemedicine visit (objective 2)
4. Assess by direct observation or discussion the student's understanding of and ability to escalate care when needed in a telemedicine visit (objective 3)
5. Assess by direct observation the student's ability to obtain an appropriate history for a telemedicine visit (objective 4)
6. Assess direct observation and discussion the student's ability to apply critical information into patient care plans (objective 5)
7. Assess by direct observation the student's ability to plan and complete a patient encounter in terms of setting up the environment and using appropriate dress, eye contact, and non-verbal cues. (objective 6)
8. Assess by discussion and direct observation the student's ability to identify ethical challenges including conflicts of interest in a telemedicine encounter (objective 7)
9. Assess by discussion student's ability to identify common telehealth equipment both patient-owned and health system equipment and its limitations. (objective 8)
10. Assess by discussion and direct observation the student's ability to define how telehealth can impact health equity, access to care, and potential cultural, social and physical barriers. (objective 9)