

Teaching From Afar: Educational Innovations In a Distance-learning Environment

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UWSOM Family Medicine Clerkship

Learning Objectives

By the end of the session participants will be able to


- 1. List educational innovations that can effectively be used in a distance learning environment.
- 2. Describe how to effectively gather and use student feedback.
- 3. List challenges and potential solutions in administering a decentralized clerkship which is spread over a large geographic area.

Keeping it Simple

- Historically FM Clerkship has been very highly rated
- Clarifying what needs to be learnt
- Delivering content using adult, active learning techniques
- Clarifying what will be measured and how
- Measuring student performance and providing feedback

Addressing our challenges

- Standardization
- Communication
- Quality Control

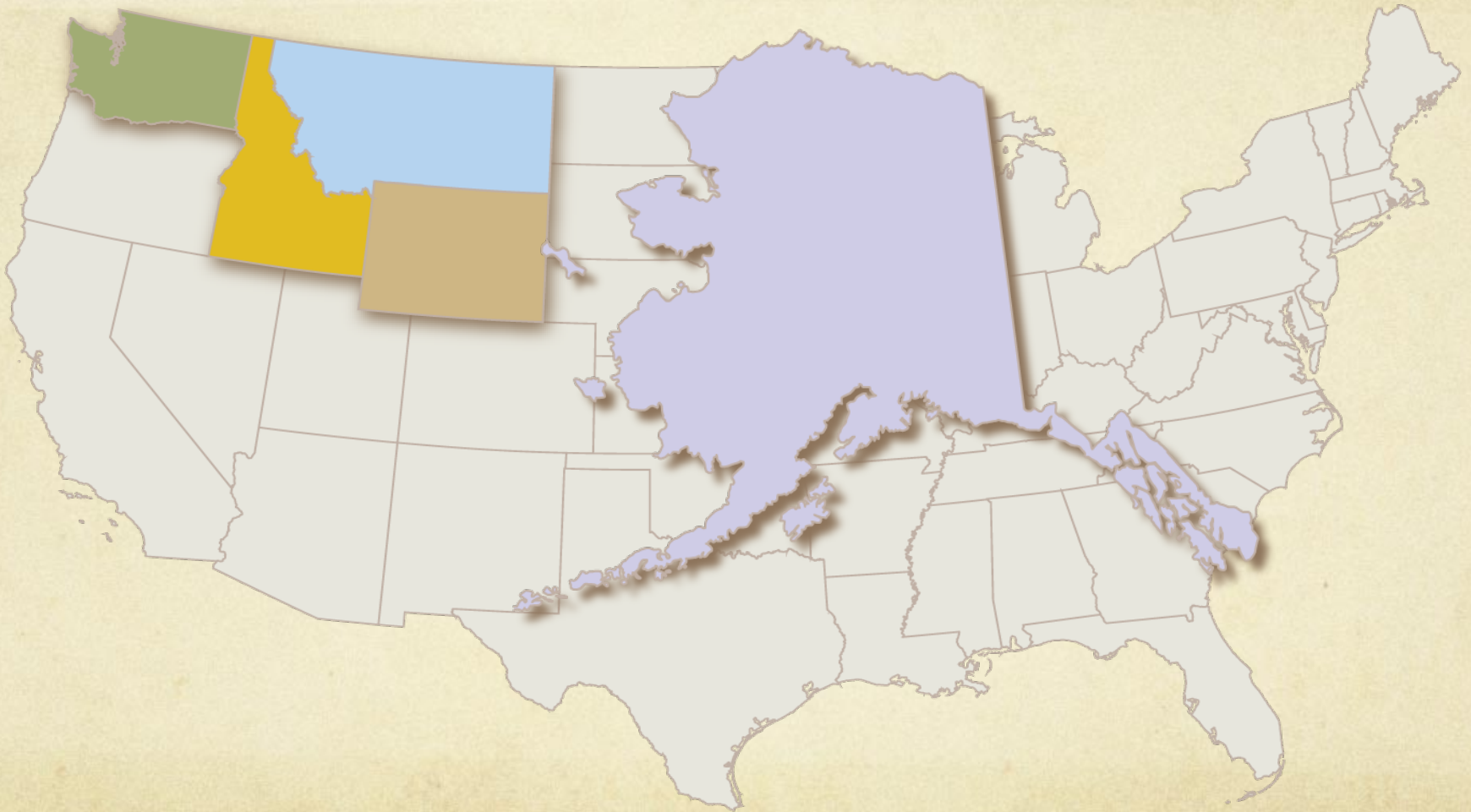


Family Medicine Clerkship

- 6-Week clerkship
- Ambulatory focus
- 31 training sites in WWAMI region
- 20 + WRITE sites (Total of 50+ training sites)
- One student at most sites during each rotation.
Maximum two students per rotation.

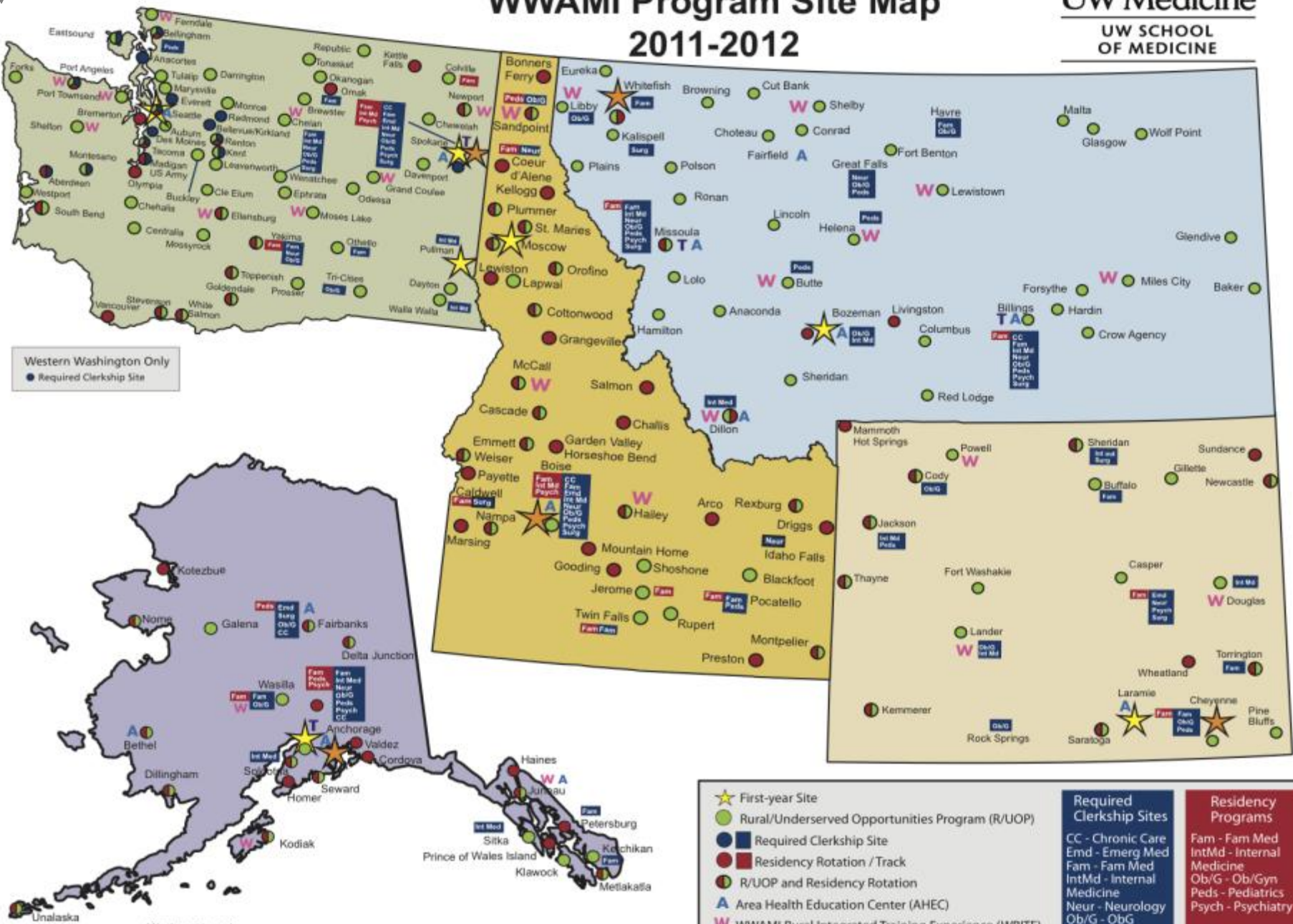


The five WWAMI states make up 27% of the U.S. land mass but contain only 3.4% of the country's population.



WWAMI Program Site Map 2011-2012

UW Medicine
UW SCHOOL OF MEDICINE



Western Washington Only
● Required Clerkship Site

*Alaska not to scale.

★ First-year Site	● Rural/Underserved Opportunities Program (R/UOP)	■ Required Clerkship Sites	■ Residency Programs
■ Required Clerkship Site	■ Residency Rotation / Track	■ CC - Chronic Care	Fam - Fam Med
● R/UOP and Residency Rotation	▲ Area Health Education Center (AHEC)	■ Emd - Emerg Med	IntMd - Internal Medicine
▲ WWAMI Rural Integrated Training Experience (WRITE)	■ WWAMI Regional Affairs Office	■ Fam - Fam Med	Ob/G - Ob/Gyns
★ WWAMI Regional Affairs Office	■ WWAMI Track Offices	■ IntMd - Internal Medicine	Peds - Pediatrics
■ WWAMI Track Offices		■ Neur - Neurology	Psych - Psychiatry
		■ Ob/G - ObG	
		■ Peds - Pediatrics	
		■ Psych - Psychiatry	
		■ Surg - Surgery	

What is the approximate land route distance from the eastern most to the western most teaching site of UWSOM

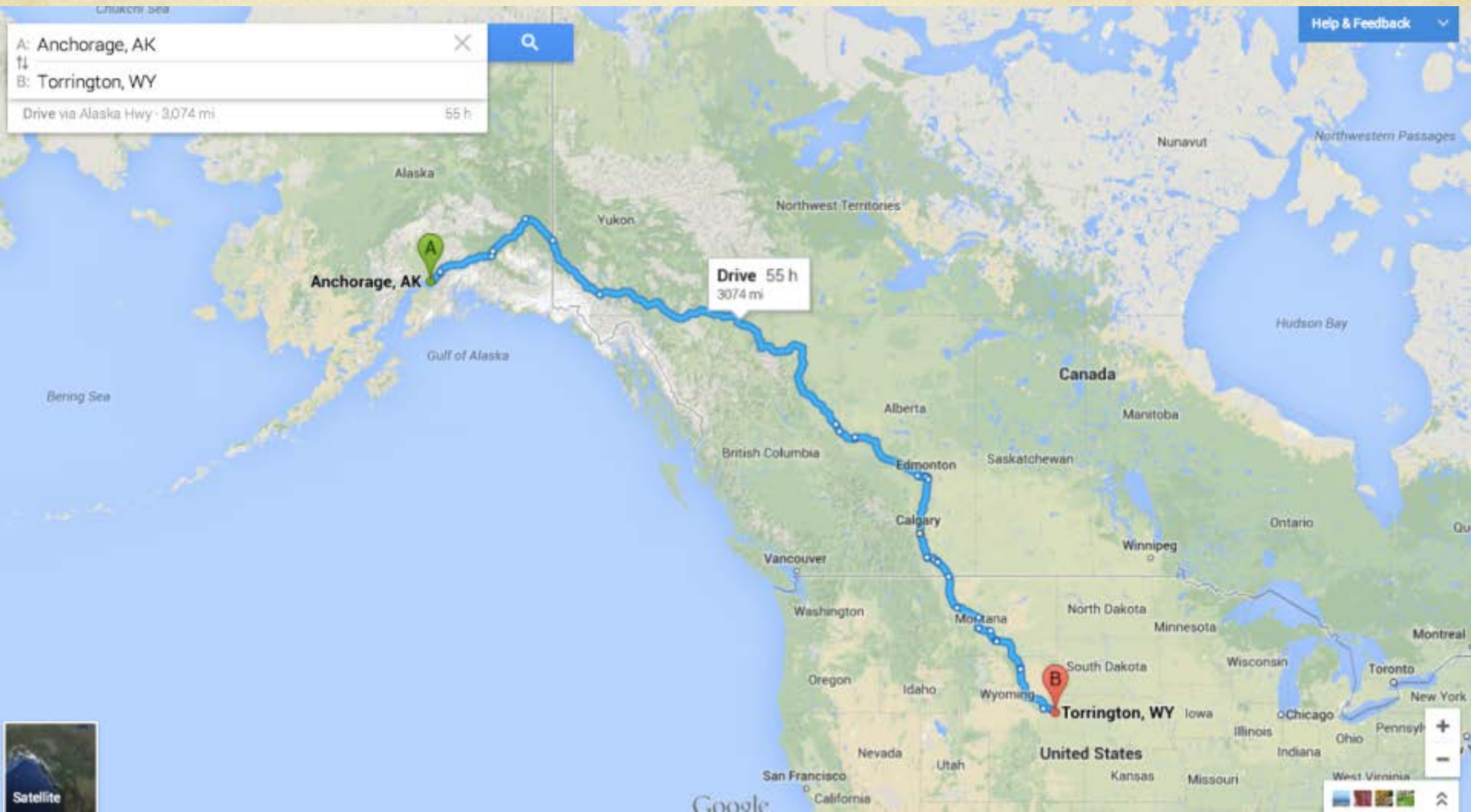
- A) 2000 miles
- B) 2500 miles
- C) 3500 miles
- D) Over 4000 miles

A: Anchorage, AK

B: Torrington, WY

Drive via Alaska Hwy - 3,074 mi 55 h

Help & Feedback

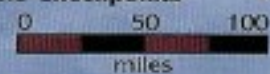


Map navigation controls including zoom in (+), zoom out (-), and a home button.



Trail Legend

- Odd Year Route — — — —
- Even Year Route - - - - -
- Start & Finish ●
- Racers Checkpoints ●



(c) Iditarod Trail Committee, Inc

Iditarod Trail Map

Medical Student Education

▼ Advising

▼ Programs

▼ Courses

▼ Family Medicine Clerkship

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Info for Students

2011/2012 Students: Welcome to the Family Medicine Clerkship!

Be sure to familiarize yourself with the syllabus below prior to beginning their clerkship. During the clerkship, refer to the Assignment Tracker for all curricular responsibilities and timelines. Weekly updates of the Assignment Tracker is a requirement of the clerkship.

Syllabus

[Family Medicine Clerkship Syllabus](#)

Assignment Tracker

[Clerkship Assignment Tracker](#)

Required Webinars

[Orientation access information](#) (begins 9am PST on first Monday of the rotation)

[Practice Exam and Exam Skills WEBINAR access information](#) (begins 12:30pm PST on Second Thursday of the rotation)

Practice Exam and Final Exam

[Questionmark Instructions](#) (for logging onto online exams)

[Final Exam instructions](#)

Other Documents

[Recipe for Family Medicine Clerkship Success](#)

[EHR Orientation Checklist](#)

[Orientation Session Slides Summer 2012 A](#)

Resources

[American Family Physician\(AFP\) Readings](#)

[Register for FmCases, SIMPLE and CLIPP Cases](#) (Make sure to use your UW email)

[FmCases, SIMPLE and CLIPP Cases link](#)

[FmCases, SIMPLE and CLIPP Content Area List](#)

Evaluation Documents

[Professionalism in the Family Medicine Clerkship](#)

[Feedback and Evaluation Form\(Grade Anchors\)](#)

[Grade Criteria](#)

[Grade Inquiry Form](#)

UWFMC.ORG

Medical Student Education

▽ Advising

▽ Programs

▽ Courses

▽ Family Medicine Clerkship

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Info for Faculty

Below is faculty information on clerkship orientation, curricula, teaching best practices, feedback, and evaluation.

2012-2013 End of Quarter Meeting Dates

October 5, 2012

March 29, 2013

June 7-8, 2013

October 4, 2013

ADMINISTRATIVE TOOLS and RESOURCES

[Clerkship Dashboard](#) View student curriculum, rotation schedules, track assignments and find student emails

EVALUATION TOOLS AND RESOURCES

[Patient Centered Observation \(PCOF\) form](#)

[E*Value for Grade Submission](#)

[Evaluation Process Overview](#)

[Feedback and Evaluation Form \(Grade Anchors\)](#)

[Grading Criteria](#)

[Daily Feedback Card #1](#)

[Daily Feedback Card #2](#)

TEACHING TOOLS and RESOURCES

[FmCases](#), [SIMPLE](#) and [CLIPP Module Reference List](#)
[Sample Orientation](#) | [Orientation Checklist](#)

[Teaching in a Busy Clinic](#)

[Innovative Methods for Teaching and Time Management](#)

[5 Microskills for Teaching](#)

[Resident Teaching Guide](#)

[Resident Teaching Assessment](#)

[Mistreatment Sheet](#)

UWFMC.ORG

Clerkship Curriculum

- Daily interactions with patients working one-on-one with preceptors and senior residents
- FMCases (No required textbook)
- ARTE and PCC
- Professionalism

Please select your set of cases by clicking on the active icon, or with the popup menu (the dropdown menu may contain more!)



Course selection:

fmCASES

Login:

student-te3

Course comment:








Email of the tutor:

medusupport@i-intime.org

Duration:

April 30, 2009 6:00:05 PM EDT - December 30, 2010 6:00:05 PM EST

FM Cases

Status	Casename:	Evaluation
1	 1. 45-year-old female annual exam - Mrs. Payne  Authors: Thomas Tafelski, M.D., University of Toledo; Saudia Mushkbar, M.D., Neighborhood Health Clinic, Fort Wayne, IN Comment: Last update: December 13, 2009	Evaluate case
2	 2. 55-year-old male for annual exam - Mr. Reynolds  Authors: Jason Chao, M.D., Case Western Reserve University Comment: Last update: November 18, 2009	Evaluate case
3	 3. 65-year-old female with insomnia - Mrs. Gomez  Authors: William Hay, M.D., University of Nebraska Comment: Last update: October 20, 2009	Evaluate case
4	 4. 17-year-old female with sports injury - Christina Martinez  Authors: Stella King, M.D., University of Texas Health Sciences Center in San Antonio, TX Comment: Last update: November 17, 2009	Evaluate case

Major diagnosis and content areas of the 40 online cases that constitute the formal curriculum of the UWSOM Family Medicine Clerkship

FMCases (1 thru 33), CLIPP (1,2,3,4,13) and SIMPLE (2,16)

FMCases Case# 1

45-year-old female annual exam - Mrs. Payne

Major Diagnosis: Preventive Care

Content areas:

1. Screening: principles and testing
2. Breast cancer: risk factors, screening, and physical exam
3. Cervical cancer: risk factors, screening, and physical exam
4. Osteoporosis: risk factors, screening, and physical exam
5. Adult immunizations
6. Menopause

FMCases Case# 2

55-year-old male annual exam - Mr. Reynolds

Major Diagnosis: Preventive Care

Content areas:

1. Characteristics of a good screening test.
2. Cancer screening recommendations for adult males (lung, colon, prostate)
3. Nutrition and Obesity
4. Recommendations for adult vaccinations
5. Smoking cessation
6. Principles of behavioral change counseling

Clinical CEX

Effective Patient Centered Care

- Online videos, learning modules and readings
- Students are required to have at least 4 patient encounters observed and get feedback based on the form
- Mini CEX: Patient Centered Care Observation form

Patient Centered Observation Form

Trainee name _____ Observer _____ Obsrvn# _____ Date _____

Directions: Track behaviors in left column. Then, mark one box per row: a, b or c. Competent skill use is in one of the right two columns. Record important provider / patient comments and verbal / non-verbal cues in the notes. Use form to enhance your learning, vocabulary, and self-awareness. Ratings can be for individual interviews or to summarize several interactions. If requested, use this form to guide verbal feedback to someone you observe.

Skill Set and elements <i>Check only what you see or hear. Avoid giving the benefit of the doubt.</i>	Provider Centered Biomedical Focus	↔	Patient Centered Biopsychosocial Focus
Establishes Rapport <input type="checkbox"/> Introduces self <input type="checkbox"/> Warm greeting <input type="checkbox"/> Acknowledges all in the room by name <input type="checkbox"/> Uses eye contact <input type="checkbox"/> Humor or non medical interaction	<input type="checkbox"/> 1a. Uses 0-2 elements	<input type="checkbox"/> 1b. Uses 3 elements.	<input type="checkbox"/> 1c. Uses ≥ 4 elements
Notes:			
Maintains Relationship Throughout the Visit <input type="checkbox"/> Strong verbal or non-verbal empathy <input type="checkbox"/> Listens well using continuer phrases ("um hmm") <input type="checkbox"/> Repeats important verbal content; <input type="checkbox"/> Demonstrates mindfulness through curiosity, self-reflection, or presence	<input type="checkbox"/> 2a. Uses 0-1 elements	<input type="checkbox"/> 2b. Uses 2 elements	<input type="checkbox"/> 2c. Uses 3 or more elements
Notes:			
Collaborative upfront agenda setting <input type="checkbox"/> Additional elicitation- "something else?"- <i>each elicitation counts as a new element</i> <input type="checkbox"/> Acknowledges agenda items from other team member (eg MA) or from EMR. <input type="checkbox"/> Confirms what is most important to patient?	<input type="checkbox"/> 3a. Uses 0-1 elements	<input type="checkbox"/> 3b. Uses 2 elements	<input type="checkbox"/> 3c. Uses ≥ 3 elements
Note patient concerns here:			
Maintains Efficiency through transparent (out loud) thinking: <input type="checkbox"/> about visit time use / visit organization <input type="checkbox"/> about problem priorities <input type="checkbox"/> about problem solving	<input type="checkbox"/> 4a. Uses 0 elements	<input type="checkbox"/> 4b. Uses 1 element	<input type="checkbox"/> 4c. Uses 2 or more elements
Notes:			
Gathering Information <input type="checkbox"/> Uses open-ended question X____ <input type="checkbox"/> Uses reflecting statement X____ <input type="checkbox"/> Uses summary/clarifying statement X____ <i>Count each time the skill is used as one element</i>	<input type="checkbox"/> 5a. Uses 0-1 elements	<input type="checkbox"/> 5b. Uses 2 elements	<input type="checkbox"/> 5c. Uses 3 or more elements
Notes:			
Assessing Patient or Family Perspective on Health <input type="checkbox"/> Acknowledges patient verbal or non-verbal cues. <input type="checkbox"/> Explores patient beliefs or feelings	<input type="checkbox"/> 6a. Uses 0 elements	<input type="checkbox"/> 6b. Uses 1 element	<input type="checkbox"/> 6c. Uses 2 or more

Webinars

- Orientation Webinar
 - Common orientation
 - Clerkship Syllabus
 - Resiliency / Strategies for success
 - EHR Orientation
 - Grading
- Clinical Reasoning and Test Skills Webinar
- We use Adobe Connect + Teleconference

Webinars

Orientation Webinar

Using RW Poll

- We go over each of the 14 questions.
- We ask students to discuss their responses, identify the correct response and discuss the bio-medical rationale as well as the test taking skills relevant to the question.
- There is a brief survey at the end of the Webinar as well as time for any further questions
- Jamie Cheek PhD (UWSOM Learning Specialist) also attends this Webinar

Assignment Tracker

Family Medicine Clerkship Grades: Summary Report for SpB12

Date of Report: 7/30/2012

Name	Site	Last Modified	Global Requirements	Assignment Tracker	E-mail Student	Edit Eval	Print Eval	Exam	Eval Status	Eval Received	Grade Assigned	Date Sent to Dean's Office	Crs Eval Received	Grade Published	Views History
ao /ang	Anchorage	2012-06-15 13:37:30	<div style="width: 100%; height: 10px; background-color: green;"></div>	view	email	edit	print		no data yet						(0)
achel lement	Billings	2012-06-15 15:11:35	<div style="width: 100%; height: 10px; background-color: green;"></div>	view	email	edit	print		no data yet						(0)
orkamari andolin	Boise	2012-06-14 11:40:34	<div style="width: 100%; height: 10px; background-color: green;"></div>	view	email	edit	print		no data yet						(0)
lary lice opez	Boise	2012-06-17 17:35:51	<div style="width: 80%; height: 10px; background-color: yellow;"></div>	view	email	edit	print		no data yet						(0)
achel ool	Bremerton	2012-06-14 21:22:53	<div style="width: 100%; height: 10px; background-color: green;"></div>	view	email	edit	print		no data yet						(0)
acob mith	Country Doctor	2012-06-19 12:26:58	<div style="width: 100%; height: 10px; background-color: green;"></div>	view	email	edit	print		no data yet						(0)
nda hen	Group Health	2012-06-15 23:01:28	<div style="width: 100%; height: 10px; background-color: green;"></div>	view	email	edit	print		no data yet						(0)
bby elly	Havre	2012-06-14 17:00:23	<div style="width: 100%; height: 10px; background-color: green;"></div>	view	email	edit	print		no data yet						(0)
elly reder	Madigan	2012-06-15 14:01:38	<div style="width: 100%; height: 10px; background-color: green;"></div>	view	email	edit	print		no data yet						(0)
anielle ibbard	Olympia	2012-06-16 17:06:25	<div style="width: 100%; height: 10px; background-color: green;"></div>	view	email	edit	print		no data yet						(0)
ancy anko	Petersburg	2012-06-15 10:06:56	<div style="width: 100%; height: 10px; background-color: green;"></div>	view	email	edit	print		no data yet						(0)

Summary Information

Rotation Information

Logged In: mkeen
 First Name: Misbah
 Last Name: Keen
 Site: TESTSITE
 Last Update: 2012-07-30 21:52:30
 Final Grade: E*Value

Clerkship Tasks Overview

Family Medicine Key Components: complete
Objective 1: Clinical Knowledge incomplete
Objective 2: Effective Patient Centered Care complete
Objective 3: ARTE of Family Medicine: Asking questions about the Process and Context of Care complete
Objective 4: Professionalism complete
Clerkship Environment: incomplete

Family Medicine Key Components

Complete

Date Recorded

Biopsychosocial Aspects of Care:

1 In your patient presentations, did you demonstrate an awareness of relevant biological, social, familial, environmental, psychological, cultural and genetic factors? ✓ 7/30/2012

Comprehensive Care:

2 Did you complete the first 33 FmCases, 5 CLIPP and 2 SIMPLE cases (this is an optional assignment however the end of rotation exam is based exclusively on the information provided in these learning modules)? ✓ 7/30/2012

3 Did you take the practice exam by week two of the clerkship? ✓ 7/30/2012

Continuity of Care:

Number of patients seen in follow-up (patients you saw for a second or more visits):

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Total
4	1	3	10	5	8	6	33

Mid and End of Clerkship Feedback

- Students meet with site directors in weeks 3 and 6 to review:
 - ✓ Grade anchors and grading criteria
 - ✓ Specific feedback on strengths and areas for improvement
 - ✓ Curricular progress in:
 - ARTE
 - PCC
 - FmCases
 - Professionalism





Faculty and Site Development End of Quarter Meetings

Professionalism Awards

- Student Professionalism Award
- Faculty and Staff Professionalism Award



*Student Professionalism
nominees recognized at
Faculty EOQ meeting*



Clerkship Site Visits





Challenges

- Expanding class size
- Finding and keeping sites
- Keeping faculty updated and knowledgeable of curriculum
- Standardizing curriculum across sites
- Maintaining sufficient staffing in Clerkship Office

Successes

- Highly rated by students
- No student failures
- Greater efficiency through technical innovations
- Successful quarterly meetings

Questions?



Glacier National Park
Glacier, MT

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