

TABLE E-1 Musculoskeletal (MSK) Knowledge in Health Care Professionals (Nurse Practitioners and Physician Assistants)

Participant number: _____

1. Age: _____

2. Gender

- ☐ Female
- ☐ Male

3. Previous Degree: (Please check all that apply)

- ☐ Associate's Degree
- ☐ Undergraduate college (B.A/B.S.)
- ☐ Master's or Master's equivalent degree
- ☐ LPN
- ☐ R.N.
- ☐ Ph.D.
- ☐ Training or on-job experience as athletic trainer or physical therapist

4. What is your current area of study?

- ☐ Nurse Practitioner
- ☐ Physician Assistant
- ☐ Physician

5. Have you completed any pre-clinical coursework in musculoskeletal medicine, orthopedics, rheumatology or physical medicine? This includes all official lectures and extra-curricular lectures or classes you may have been exposed to. (If you answered 'No', please go to question 7, if you answered 'Yes', please go to question 6)

- ☐ No
- ☐ Yes

6. How long was your pre-clinical coursework in musculoskeletal medicine (e.g., orthopedics, rheumatology or physical medicine)?

- ☐ 1 week
- ☐ 1-2 weeks
- ☐ 2-4 weeks
- ☐ 1-2 months
- ☐ More than 2 months

7. Have you completed any clinical musculoskeletal training or rotations? This includes any mandatory and elective clinical rotations in orthopedics, rheumatology or physical/rehabilitation medicine. (If you answered 'No', please proceed to question 9. If you answered 'Yes' please proceed to question 8)

- ☐ No
- ☐ Yes

8. How long was your clinical musculoskeletal training?

- ☐ 1 week
- ☐ 1-2 weeks
- ☐ 2-4 weeks
- ☐ 1-2 months
- ☐ 2-3 months
- ☐ 3-4 months
- ☐ Over 4 months

9. What is your intended area of specialization?

- ☐ Family and Community Medicine
- ☐ Rheumatology
- ☐ Physical/Rehabilitation Medicine
- ☐ Orthopedic surgery
- ☐ Other: please specify _____
- ☐ I don't know

10. How important do you perceive musculoskeletal knowledge to be for your future career?

Very UNIMPORTANT		Neither unimportant or important		Very IMPORTANT
1	2	3	4	5

TABLE E-2 The Musculoskeletal Subject Examination Content Outline

Basic science	20%-30%
Normal processes	20%-25%
Spinal cord	
Peripheral nerve	
Musculoskeletal organ structure/function	
Abnormal processes	75%-80%
Traumatic/mechanical disorders	
Infections	
Inflammatory	
Fractures	
Sprains/strains/dislocations	
Repetitive motion injuries	
Osteomalasia/osteoporosis/osteodystrophy	
Degenerative disorders	
Clinical science	70%-80%
Categories	
Neuromuscular	5%-10%
Infections	20%-25%
Degenerative/metabolic/nutritional	15%-20%
Inherited/congenital/developmental	5%-10%
Inflammatory/immunologic	10%-15%
Neoplasms	5%-10%
Traumatic injury/nerve compression	15%-20%
Physician task	
Promoting Health and Health Maintenance	5%-10%
Understanding Mechanisms of Disease	5%-10%
Establishing a Diagnosis	70%-75%
Applying Principles of Management	10%-15%

National Board of Medical Examiners (NBME), NBME Subject Examination Services.
<http://www.nbme.org/Schools/Subject-Exams/Subjects/musculo.html>. Accessed 2/17/2011.

TABLE E-3 Program Director Survey on Musculoskeletal Curriculum

<u>Preclinical Curriculum:</u>
1) Time spent on MSK education in first 2 years of medical school (Hours)
2) Topics covered
i) Anatomy? Yes/No (hours spent)
ii) Physical Exam? Yes/No (hours spent)
iii) Clinical skills? Yes/No (hours spent)
iv) Orthopaedics? Yes/No (hours spent)
v) Rheumatology? Yes/No (hours spent)
vi) Musculoskeletal Radiology? Yes/No (hours spent)
3) Learning objectives? Yes/no
i) List learning objectives
4) Outcomes measured (i.e., tests, cases, physical exam)? Yes/No
i) Specific outcome measured
5) Assessment of MSK curriculum? Yes/No
6) Education format: Lecture, small groups, Problem-Based Learning (PBL), etc.
<u>Clinical</u>
1) Is MSK a clinical requirement? Yes/No
i) How many weeks?
2) Learning objectives? Yes/no
i) List learning objectives
3) Outcomes measured? Yes/No
4) Orthopaedics electives? Yes/No
i) Length of electives
ii) Limit on number of ortho electives?
5) Rheumatology elective? Yes/No
i) Length of Rheumatology elective
6) Physical Medicine elective? Yes/No
i) Length of Physical Medicine elective
7) Is musculoskeletal education incorporated into primary care curriculum? Yes/No