



# Medicine

## Merit Badge Workbook

This workbook can help you but you still need to read the merit badge pamphlet (book). No one can add or subtract from the Boy Scout Requirements #33216. Merit Badge Workbooks and much more are below: [Online Resources](#).

Send comments to the workbook developer: [craig@craiglincoln.com](mailto:craig@craiglincoln.com). Requirements revised: 2010, Workbook updated: 7/10.

Scout's Name: \_\_\_\_\_ Unit: \_\_\_\_\_

Counselor's Name: \_\_\_\_\_ Counselor's Ph #: \_\_\_\_\_

1. Discuss with your counselor the influence that EIGHT of the following people had on the history of medicine:

a. Hippocrates \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

b. William Harvey \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

c. Antoine van Leeuwenhoek \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

d. Edward Jenner \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

e. Florence Nightingale \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

f. Louis Pasteur \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

g. Gregor Mendel \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

h. Joseph Lister \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

i. Robert Koch \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

j. Daniel Hale Williams \_\_\_\_\_

k. Marie and Pierre Curie \_\_\_\_\_

l. Walter Reed \_\_\_\_\_

m. Karl Landsteiner \_\_\_\_\_

n. Alexander Fleming \_\_\_\_\_

o. Charles Richard Drew \_\_\_\_\_

p. Helen Raussig \_\_\_\_\_

q. James Watson and Francis Crick \_\_\_\_\_

r. Jonas Salk \_\_\_\_\_

2. Explain the Hippocratic Oath to your counselor, \_\_\_\_\_

and compare to the original version to a more modern one. \_\_\_\_\_

Discuss to whom those subscribing to the original version of the oath owe the greatest allegiance. \_\_\_\_\_

3. Discuss the health-care provider-patient relationship with your counselor, \_\_\_\_\_

and the importance of such a relationship in the delivery of quality care to the patient. \_\_\_\_\_

Describe the role of confidentiality in this relationship. \_\_\_\_\_

4. Do the following:

a. Describe the roles the following people play in the delivery of health care in your state. (Note: Not all may exist in your state.)

1. Allopathic physician \_\_\_\_\_

2. Chiropractor \_\_\_\_\_

3. Emergency medical technician \_\_\_\_\_

4. Licensed practical/vocational nurse \_\_\_\_\_

5. Medical assistant \_\_\_\_\_

6. Medical laboratory technologist \_\_\_\_\_

7. Nurse-midwife \_\_\_\_\_

8. Nurse practitioner \_\_\_\_\_

9. Occupational therapist \_\_\_\_\_

10. Optometrist \_\_\_\_\_

11. Osteopathic physician \_\_\_\_\_

12. Pharmacist \_\_\_\_\_

13. Physical therapist \_\_\_\_\_

14. Physician's assistant \_\_\_\_\_

15. Podiatrist \_\_\_\_\_

16. Psychologist \_\_\_\_\_

17. Radiologic technologist \_\_\_\_\_

18. Registered nurse \_\_\_\_\_

19. Respiratory therapist \_\_\_\_\_

b. Describe the educational and licensing requirements for five of those in 4a --other than 4a(1)- - practicing health care in your state.

Health Care Practitioner

Describe the educational and licensing requirements

_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

5. a. Tell what is meant by the term "primary care" with regard to a medical specialty. \_\_\_\_\_

Briefly describe the types of work done by physicians in the following "core" specialties:

1. Internal medicine\* \_\_\_\_\_

2. Family practice\* \_\_\_\_\_

3. Obstetrics/gynecology\* \_\_\_\_\_

4. Pediatrics\* \_\_\_\_\_

5. Psychiatry \_\_\_\_\_

6. Surgery \_\_\_\_\_  
\_\_\_\_\_

b. Describe the additional educational requirements for these specialties.

1. Internal medicine\* \_\_\_\_\_  
\_\_\_\_\_

2. Family practice\* \_\_\_\_\_  
\_\_\_\_\_

3. Obstetrics/gynecology\* \_\_\_\_\_  
\_\_\_\_\_

4. Pediatrics\* \_\_\_\_\_  
\_\_\_\_\_

5. Psychiatry \_\_\_\_\_  
\_\_\_\_\_

6. Surgery \_\_\_\_\_  
\_\_\_\_\_

6. a. Briefly describe the types of work performed by physicians in FIVE of the following specialties or subspecialties:

1. Allergy/immunology \_\_\_\_\_

2. Anesthesiology \_\_\_\_\_

3. Cardiology \_\_\_\_\_

4. Colon and rectal surgery \_\_\_\_\_

5. Dermatology \_\_\_\_\_

6. Emergency Medicine \_\_\_\_\_

7. Endocrinology \_\_\_\_\_

8. Gastroenterology \_\_\_\_\_

9. Geriatric medicine \_\_\_\_\_

10. Hematology/oncology \_\_\_\_\_

11. Infectious disease \_\_\_\_\_

12. Nephrology \_\_\_\_\_

13. Neuro surgery \_\_\_\_\_

14. Neurology \_\_\_\_\_

15. Nuclear medicine \_\_\_\_\_

16. Ophthalmology \_\_\_\_\_

17. Orthopedic surgery \_\_\_\_\_

18. Otolaryngology/head and neck surgery \_\_\_\_\_

19. Pathology \_\_\_\_\_

20. Physical medicine and rehabilitation \_\_\_\_\_

- 21. Plastic, reconstructive, and maxillofacial surgery. \_\_\_\_\_
- 22. Preventive medicine \_\_\_\_\_
- 23. Radiology \_\_\_\_\_
- 24. Rheumatology \_\_\_\_\_
- 25. Thoracic/cardiothoracic surgery \_\_\_\_\_
- 26. Urology \_\_\_\_\_
- 27. Vascular surgery \_\_\_\_\_

b. Describe the additional educational requirements for the five specialties or subspecialties you chose in 6a.

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

7. a. Visit a physician's office,\*\* preferably one who delivers "primary care." (This may be that of your counselor). Discuss the components of a medical history \_\_\_\_\_

and physical examination (an official BSA health form may be used to guide this discussion), \_\_\_\_\_

and become familiar with the instruments used. \_\_\_\_\_

b. Describe the characteristics of a good diagnostic test to screen for disease (e.g. routine blood pressure measurement). \_\_\_\_\_

Explain briefly why diagnostic tests are not perfect. \_\_\_\_\_

c. Show how to take a blood pressure reading and a pulse reading. \_\_\_\_\_

8. Do the following:

a. Discuss the roles medical societies, \_\_\_\_\_

the insurance industry, \_\_\_\_\_

and the government play in influencing the practice of medicine in the United States. \_\_\_\_\_

b. Briefly tell how your state monitors the quality of health care within its borders, \_\_\_\_\_

and how it provides care to those who do not have health insurance. \_\_\_\_\_

9. Compare and discuss with your counselor the health care delivery systems in the United States, \_\_\_\_\_

Sweden, \_\_\_\_\_

and China. \_\_\_\_\_

10. Serve as a volunteer at a health-related event or facility in your community (e.g. blood drive, "health fair", blood pressure screening, etc.) approved by your counselor. \_\_\_\_\_

\* "Primary care" specialties      \*\* If this cannot be arranged, demonstrate to your counselor that you understand the components of a medical history and physical, and discuss the instruments involved.

**Online Resources** (Use any Internet resource with caution and only with your parent's or guardian's permission.)

Boy Scouts of America: ► [scouting.org](http://scouting.org)   ► [Guide to Safe Scouting](#)   ► [Age-Appropriate Guidelines](#)   ► [Safe Swim Defense](#)  
    ► [Scout](#)      ► [Tenderfoot](#)      ► [Second Class](#)   ► [First Class](#)      📺 [Rank Videos](#)      ► [Safety Afloat](#)

Boy Scout Merit Badge Workbooks: [usscouts.org](http://usscouts.org) -or- [meritbadge.org](http://meritbadge.org)      Merit Badge Books: [www.scoutstuff.org](http://www.scoutstuff.org)

American Medical Association: <http://www.ama-assn.org>

Centers for Disease Control: <http://www.cdc.gov>

drkoop.com: <http://www.drkoop.com>

healthfinder: <http://www.healthfinder.gov>

Mayo Clinic: <http://www.MayoClinic.com>

U.S. Dept of Health: <http://www.health.gov/NHIC>

National Institutes of Health: <http://nih.gov>