



# Medicine Merit

1. Complete the chart of the following people who influenced medicine. List each individual's contribution and influence.

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## People Who Influenced Medicine

| Name                           | Influence |
|--------------------------------|-----------|
| Jesus                          |           |
| James Watson and Francis Crick |           |
| Leonardo da Vinci              |           |
| Alexander Fleming              |           |
| William Harvey                 |           |
| H. J. Heimlich                 |           |
| Hippocrates                    |           |
| Edward Jenner                  |           |
| Robert Koch                    |           |
| Anton van Leeuwenhoek          |           |
| Joseph Lister                  |           |
| Gregor Mendel                  |           |
| Moses                          |           |
| Florence Nightingale           |           |
| Louis Pasteur                  |           |
| Wilhelm Roentgen               |           |
| Jonas Salk                     |           |

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2. Complete the chart of the following health-care workers. List the degree or certification required for each career, the amount of education needed, and the roles and duties of that position. Note: Not all classifications of health-care roles may exist in every state.

## Health-Care Workers

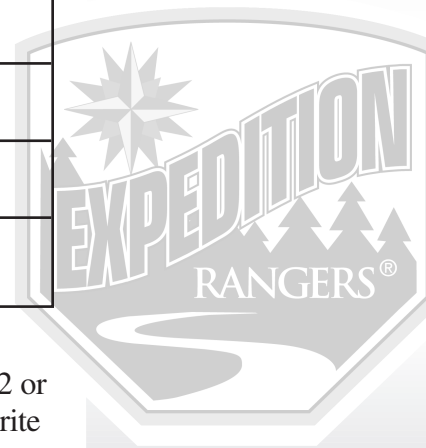
| Health-Care Worker                         | Degree, Certification, or Registry* | Years or Months of Education* | Role & Duties |
|--|-------------------------------------|-------------------------------|---------------|
| Physician, allopathic                      |                                     |                               |               |
| Physician, chiropractic                    |                                     |                               |               |
| Physician, osteopathic                     |                                     |                               |               |
| Doctor of optometry                        |                                     |                               |               |
| Podiatrist                                 |                                     |                               |               |
| Pharmacist                                 |                                     |                               |               |
| Psychologist                               |                                     |                               |               |
| Physician's assistant                      |                                     |                               |               |
| Medical assistant                          |                                     |                               |               |
| Nurse, RN (2 year)                         |                                     |                               |               |
| Nurse, RN (4 year)                         |                                     |                               |               |
| Nurse, LPN<br>LVN                          |                                     |                               |               |
| Nurse's aide                               |                                     |                               |               |
| Nurse practitioner                         |                                     |                               |               |
| Emergency medical technician, basic        |                                     |                               |               |
| Emergency medical technician, intermediate |                                     |                               |               |



| <b>Health-Care Worker</b>                               | <b>Degree, Certification, or Registry*</b> | <b>Years or Months of Education*</b> | <b>Role &amp; Duties</b> |
|---|--|--------------------------------------|--------------------------|
| Emergency medical technician, paramedic                 |  |                                      |                          |
| Medical technologist/clinical laboratory technician     |  |                                      |                          |
| Radiological technologist/radiographer/X ray technician |  |                                      |                          |
| Physical therapist                                      |  |                                      |                          |
| Occupational therapist                                  |  |                                      |                          |
| Respiratory therapist                                   |  |                                      |                          |
| Orthotist/-prosthetist                                  |  |                                      |                          |
| Surgery technologist (surgical assistant)               |  |                                      |                          |
| Psychological technologist                              |  |                                      |                          |
| Dentist   |  |                                      |                          |
| Dental hygienist  |  |                                      |                          |
| Dental assistant  |  |                                      |                          |

\*Answers may vary according to state law.

3. Interview a person currently working in one of the fields from Requirement 2 or schedule the person to speak to your group and cover the same questions. Write a report and include the health-care provider's responses to the following:
  - a. What school did you attend for your medical education?
  - b. How long was your medical training?
  - c. Approximately how much did your education cost and how did you fund your training?
  - d. Why did you choose this career?
  - e. What are some of your specific duties or responsibilities?



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- f. Does your state require you to be licensed, registered, or certified?
- g. Explain the health-care provider–patient relationship.
- h. Explain the importance of documentation in your work.
- i. Explain the importance of confidentiality in your profession.
- j. Explain how insurance, HMOs, and Medicare influence your profession.
- k. Do you like working in your vocation?
  - l. Would you recommend a medical career?

4. Do ONE of the following:

- a. Meet with one of the following health-care providers to learn how to take basic vital signs: doctor, medical assistant, nurse, paramedic, or physician's assistant. Request that the health-care provider write a note stating you have learned how to take basic vital signs. Place the signed note in your workbook.
- b. Invite a medical professional to attend an Expedition Rangers meeting and teach your group how to take vital signs. Demonstrate taking vital signs to your commander.
- c. Invite a missionary to speak to your group. Ask the missionary to describe the health-care system, the quality of health, how drugs are dispensed, the care for the poor, and the insurance plans for the country he is living in, as well as how that country's health-care system compares to that of the United States. Write a one-page report summarizing the missionary's information.

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5. Choose ONE of the following topics and make a presentation for your group.

- a. The importance of one's medical history and having regular physicals.
- b. The importance of properly charting and documenting medical conditions.
- c. The importance of childhood immunizations.
- d. The importance of proper nutrition and exercise.
- e. How your state monitors the quality of health care.
- f. Socialized medicine and its pros and cons.
- g. Health-care delivery for the poor and uninsured.
- h. Insurance, HMOs, and Medicare.
- i. Health-care delivery in a foreign country. (You may choose the country.)
- j. Your volunteer participation in a community health fair or event. This could be helping to screen vital signs, help in a blood drive, etc. This selection must be preapproved by your commander.

6. Complete the chart of the following M.D./D.O. medical specialties. List the type of work done by each specialty. Note: This listing includes a sample of medical specialties and is not intended to be a complete directory of specialties.

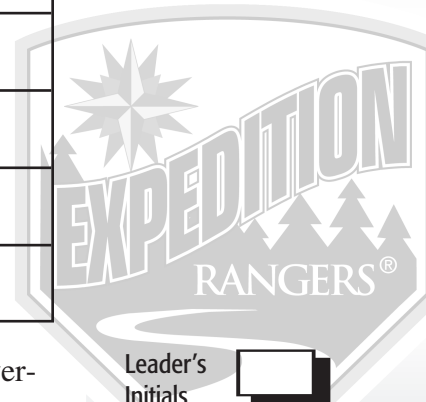
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## M.D./D.O. Medical Specialities

| M.D./D.O. Medical Specialty                 | Type of Work |
|---|--------------|
| Family practice                             |              |
| Internal medicine                           |              |
| Pediatrics                                  |              |
| Obstetrics/gynecology                       |              |
| Psychiatry                                  |              |
| Surgery                                     |              |
| Anesthesiology                              |              |
| Dermatology                                 |              |
| Emergency medicine                          |              |
| Neurology                                   |              |
| Nuclear medicine                            |              |
| Ophthalmology                               |              |
| Pathology                                   |              |
| Physical medicine & rehabilitation (sports) |              |
| Preventive medicine                         |              |
| Radiology                                   |              |

7. Read a translation of the original Hippocratic oath and one of the newer versions. Write a report discussing the differences in the oaths and how a Christian would fulfill the Hippocratic oath.



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