

Physicians and Surgeons

SOC: 29-1210 • Career Profile Report

■ Key Facts

\$239,200 Median Salary	839,000 Employment	+3.0% Growth Rate
-----------------------------------	------------------------------	-----------------------------

■ Requirements & Salary Range

Education: Doctoral

■ Automation Risk Assessment

Low Risk - 8.0% probability of being automated in the next 10-20 years.
This job is relatively safe from automation due to its creative, social, or complex problem-solving requirements.

■ Work-Life Balance

5.1/10 - Fair work-life balance

■ Personality Fit (RIASEC)

Higher scores indicate better personality fit for this career type.

Realistic	5.4/10	Investigative	8.6/10
Artistic	4.8/10	Social	9.0/10
Enterprising	5.4/10	Conventional	6.2/10

■ Top Skills Required

Communication skills, Compassion, Detail oriented, Dexterity, Leadership skills, Organizational skills, Patience, Physical stamina, Problem-solving skills

✓ Strengths

- High Demand
- Flexible Work
- Continuous Learning

■ Challenges

- Burnout Risk
- Rapid Technological Change

■ What They Do

Physicians and Surgeons typically perform the following tasks:

- Monitor patient before, during, and after anesthesia and counteract adverse reactions or complications.
- Record type and amount of anesthesia and patient condition throughout procedure.
- Provide and maintain life support and airway management and help prepare patients for emergency surgery.
- Administer anesthetic or sedation during medical procedures, using local, intravenous, spinal, or caudal methods.
- Examine patient, obtain medical history, and use diagnostic tests to determine risk during surgical, obstetrical, and other medical procedures.
- Position patient on operating table to maximize patient comfort and surgical accessibility.
- Coordinate administration of anesthetics with surgeons during operation.
- Decide when patients have recovered or stabilized enough to be sent to another room or ward or to be sent home following outpatient surgery.
- Confer with other medical professionals to determine type and method of anesthetic or sedation to render patient insensible to pain.
- Order laboratory tests, x-rays, and other diagnostic procedures.
- Inform students and staff of types and methods of anesthesia administration, signs of complications, and emergency methods to counteract reactions.
- Provide medical care and consultation in many settings, prescribing medication and treatment and referring patients for surgery.
- Manage anesthesiological services, coordinating them with other medical activities and formulating plans and procedures.
- Diagnose illnesses, using examinations, tests, and reports.
- Coordinate and direct work of nurses, medical technicians, and other health care providers.
- Instruct individuals and groups on ways to preserve health and prevent disease.
- Schedule and maintain use of surgical suite, including operating, wash-up, waiting rooms, or anesthetic and sterilizing equipment.
- Conduct medical research to aid in controlling and curing disease, to investigate new medications, and to develop and test new medical techniques.
- Place invasive intravascular monitors into patients.
- Teach anesthesiology principles to residents.

*Generated by StartRight • Data from U.S. Bureau of Labor Statistics & O*NET*

Source: <https://www.bls.gov/ooh/healthcare/physicians-and-surgeons.htm>