

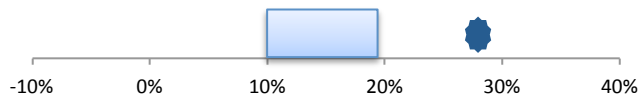
# ACTUARY

**What do they do?** Analyze statistical data, such as mortality, accident, sickness, disability, and retirement rates and construct probability tables to forecast risk and liability for payment of future benefits. May ascertain premium rates required and cash reserves necessary to ensure payment of future benefits.

**People with these roles and responsibilities are also called:**  
 Actuary, Actuarial Analyst, Pricing Actuary, Product Development Actuary, Actuarial Assistant, Actuarial Associate, Actuarial Consultant, Consulting Actuary, Health Actuary, Pricing Analyst

- Some typical job duties include:**
- Ascertain premium rates required and cash reserves and liabilities necessary to ensure payment of future benefits.
  - Design, review and help administer insurance, annuity and pension plans, determining financial soundness and calculating premiums.
  - Analyze statistical information to estimate mortality, accident, sickness, disability, and retirement rates.
  - Provide expertise to help financial institutions manage risks and maximize returns associated with investment products or credit offerings.

## Ohio Job Outlook "Faster than average" (+28.2%)



Projected % change in number of jobs by 2020

Note: Blue band = Average growth (10% to 19%)

National Job Outlook through 2020: 26.7%

## Most Important Occupational Skills

### BASIC SKILLS

- Mathematics
- Critical Thinking
- Reading Comprehension

### PROBLEM SOLVING SKILLS

- Complex Problem Solving

### SYSTEMS SKILLS

- Judgment and Decision Making
- Systems Analysis
- Systems Evaluation

### SOCIAL SKILLS

- Social Perceptiveness
- Coordination
- Persuasion

### TECHNICAL SKILLS

- Operations Analysis
- Programming

### RESOURCE MANAGEMENT SKILLS

- Mgmt of Financial Resources
- Time Management
- Mgmt of Personnel Resources

The most important skills required for performing this job well are underlined.

How much did these jobs pay in 2013?

Average: \$97,540 per year  
 (\$46.90 per hour)

## Career Pathway and Educational Requirements



### REQUIRED FOR ENTRY/ADVANCEMENT

- Multiple years related work experience
- Successful completion of exams
- Professional certification

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### SOME CERTIFICATIONS THAT CAN HELP YOU ADVANCE:

- Associate in the Society of Actuaries — **ASA** (Society of Actuaries, available online)
- Associate in the Casualty Actuarial Society — **ACAS** (Casualty Actuarial Society, available online)
- Fellow of the Society of Actuaries — **FSA** (Society of Actuaries, available online)
- Fellow of the Casualty Actuarial Society — **FCAS** (Casualty Actuarial Society, available online)