

## Actuaries

### 15-2011.00



**Description:** 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.

#### Other Resources:

[ONET Link](#)  
[MyNextMove Link](#)

**Sample of Reported Job Titles:** Actuarial Analyst, Actuarial Associate, Actuarial Consultant

### Job Zone

**Title:** 4 - Considerable Preparation Needed

**Education:** Require a four-year bachelor's degree.

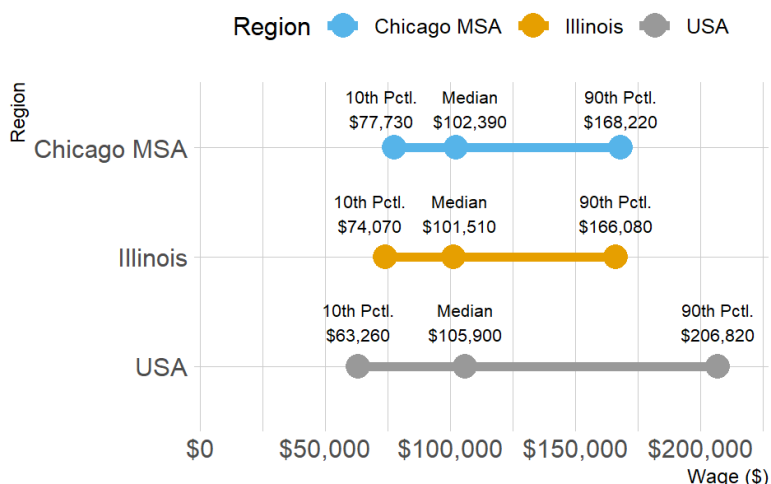
**Experience:** A considerable amount of work-related skill, knowledge, or experience is needed.

**Training:** Several years of work-related experience, on-the-job training, and/or vocational training needed.

**Core Certifications:** Certified Pension Consultant, Retirement Plans Associate, Associate, Secure Retirement Institute, Associate of the Society of Actuaries

**Hot Technologies:** C++, IBM SPSS Statistics, Microsoft Access, Microsoft Office Suite, Microsoft SQL Server, Microsoft Visual Basic

Region	Employment	Location Quotient	Median Wage
Chicago MSA	1,590	2.30	\$102,390
Illinois	1,940	2.11	\$101,510
USA	23,040	—	\$105,900



### Top 5 Core Tasks According to Current Job Holders

**Importance**  
**Frequency (out of 100)**

Ascertain premium rates required and cash reserves and liabilities necessary to ensure payment of future benefits.

More than yearly

94

Design, review, and help administer insurance, annuity and pension plans, determining financial soundness and calculating premiums.

More than monthly

92

Determine, or help determine, company policy, and explain complex technical matters to company executives, government officials, shareholders, policyholders, or the public.

More than yearly

88

Provide advice to clients on a contract basis, working as a consultant.

Daily

86

Analyze statistical information to estimate mortality, accident, sickness, disability, and retirement rates.

More than yearly

85