

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.

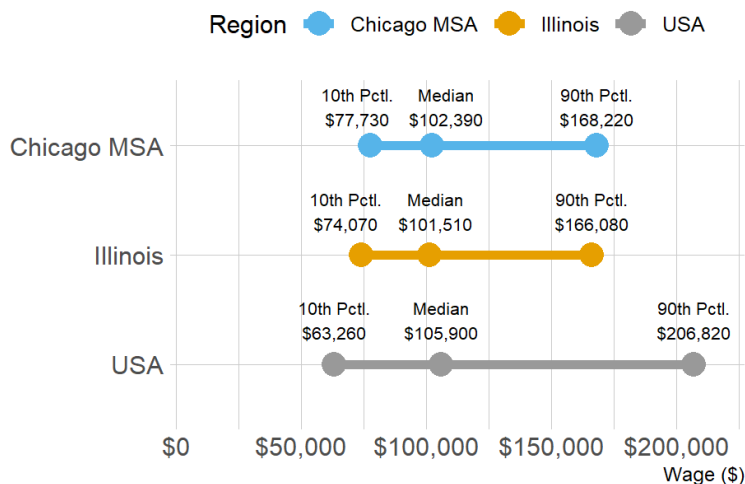
Experience: A considerable amount of work-related skill, knowledge, or experience is needed.

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**