Practice Problems with Answers

1. In Academic Search Premier, find articles published since 2000 on bicycle helmets and head injuries. Use truncation in your queries.

- How have prevention programs affected the use of helmets? Look for only scholarly (peer-reviewed) journals.

Search query:    bicycle AND helmet* AND head AND injur* AND "prevention program"

Answer:

Effect of legislation on the use of bicycle helmets.

Authors: 
LeBlanc, John C.  
Beattie, Tricia L.  
Culligan, Christopher

Source:  

Results The rate of helmet use rose dramatically after legislation was enacted, from 36% in 1995 and 38% in 1996, to 75% in 1997, 86% in 1998 and 84% in 1999.

- What was the name of a study done in Sweden find about the efficacy of helmets in preventing head injuries?

Search query:    bicycle AND helmet* AND head AND injur* AND Sweden

Answer:

A local bicycle helmet 'law' in a Swedish municipality -- the effects on helmet use.

2. You are writing a paper on the Cuban Missile Crisis. Use Academic Search Premier to find answers to the following questions.

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- **When did the crisis take place?**

  *Search query:*  
cub* AND missile AND crisis

  First search result:

  **Cuban Missile Crisis and Cuban Missile Crisis, 1962: A Political Perspective after 40 Years** Full Text Available By: Fernandez, Susan J. *Journal of American History*, Sep2011, Vol. 98 Issue 2, p613-615, 3p

  **Answer:** 1962

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- **Who were the US President and the Premier of the Communist Party in the USSR during the crisis?**

  *Narrowed search with query:*  
cub* AND missile AND crisis AND president AND premier

  Second search result:


  **Answer:** John F. Kennedy and Nikita Khrushchev

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- **When was a review article written on the Pope’s help in dealing with the crisis? You might use two alternatives – Vatican or Pope – to search for the pope’s contribution.**

  *Search query:*  
cub* AND missile AND crisis AND (vatican OR pope)


  **Answer:** 2011
2. The 1918 flu epidemic was particularly disastrous. Recent genetic studies have produced evidence of why it killed so many people. Use the Academic Onefile database to answer the questions below.

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- At what Institute were the genes from the 1918 flu virus recovered?
- What is the estimate of the number of deaths during the year that this pandemic lasted?

In Academic Onefile Advanced Search, used these keywords

*Found two article that look useful:*

*Clicked on Full-text to read one article.*

Scientists report today that they have completed the first major step in deciphering the secrets of one of the deadliest viruses ever known, the influenza virus of 1918.

Though their work answers some questions about the origin of the virus, the scientists say it leaves the most fundamental question dangling: What made the virus, which killed 20 million to 40 million people worldwide, so lethal?

Dr. Jeffrey K. Taubenberger of the Armed Forces Institute of Pathology in Washington and his colleagues have determined the sequence of an essential gene, the hemagglutinin, finding that it is perfectly ordinary and dashing the hopes of those who had hoped it might hold the virus's deadly secrets. But an analysis of that gene did show that a popular hypothesis -- that the virus jumped directly from birds to people -- was wrong.

**Answers:** Armed Forces Institute of Pathology

20 million – 40 million people
What age range experienced the highest rate of mortality from the 1918 flu?

In Academic Onefile Advanced Search, used these keywords

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Advanced Search

select index(es) and enter term(s) to search

Keyword ▼ 1918 flu epidemic
And ▼ Keyword ▼ mortality
And ▼ Keyword ▼ age
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Found only one article, but it looks useful.

Clicked on Full-text with Graphics to read article.

Found the following within text of the article:

Usually, the most serious consequences of influenza infection are reserved for the elderly, but strikingly, in the case of the Spanish flu those worst affected were in the 15 to 45 age group. Why the influenza pandemic of 1918 was so devastating, particularly in younger people, has intrigued virologists for decades.

Answer: Young people between 15 and 45