

Up in Smoke

**Team 20
Bloomfield High School**

**New Mexico Adventures in
Supercomputing Challenge
Final Report
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Members:

- **MICHAEL BERRY**
- Tyler Barbone
- Harrelson Manygoats
- Melissa Youtsey
- Joseph Zschach

Teachers:

- **MR. JARLY LOPEZ**
- **MRS. SARAH POPE**

Project Mentor:

- **MRS. SARAH POPE**

Statement of intention:

Health

We have learned a lot from our research on our cigarette project. With the additional research that we found we decided to find out the smoking deaths (in one day) that will occur in a certain different regions. We choose the United States, Canada, Great Britain, Russia and the World. We found out that in the United States 1,096 people die in one day because of a smoking related disease, 123 people in Canada, 334 people in Great Britain, 740 people in Russia, and 10,959 each day around the World. We also found out how much nicotine could kill one person. It is said that 1.2 milligrams of nicotine could kill two adults if it was injected, that is 0.171 milligrams (or 171,000 nanograms) could kill one person. It is also said that one cigarette contains about 100 nanograms of nicotine but when you inhale it the nicotine is broken down and only 40 nanograms remains in your body. Using all of the information that we found we created a program that tell the user how many people will die on a certain given day in the region of their choice. In addition, with the information we found we were able to calculate, when a person will die because of cigarette smoking by the information the computer asks the user to put in.

Are project was to found out how many people would die as a result of smoking related disease in a certain region. We used the method of division and simple math to find all of the information of the regions we chose to find out how many people would die in one day because of cigarette smoking. We created a program to solve our problem with the help of java we accomplished what we were trying to solve. We have learned the real effects of smoking and how we can stop people from smoking in many ways.

Works Cited

We would like to thank the following websites for the information provided:

http://news.bbc.co.uk/1/hi/english/health/newsid_536000/536633.stm

<http://www.personalmd.com/news/n0531012041.shtml>

<http://www.infact.org/about.html>

<http://www.abc.net.au/quantum/poison/nicotine/nicotine.htm>

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