1.0 Abstract

Wine Correlated with Four Times Higher Chance of Corona Virus Death. The Corona virus is providing the most comprehensive data ever of diet related difference that affect human response to diseases. Never before have we had so much data from each country about how their inhabitants were affected by a virus. Even though the data could be better, it has never been better than now.

The author is checking in this paper, how wine consumption in each country can be correlated to corona virus deaths. The Author has picked a group of countries that are north of the 30 degree latitude, where warm weather will not, potentially affect the infection rates from the corona virus. The countries were studied for beer consumption, legume consumption, and milk consumption. It was found that milk and beer consumption was correlated with much lower corona virus deaths. Legumes were correlated with much higher corona virus deaths. This paper studies wine consumption. Wine consumption correlates with much higher corona virus deaths, and helps explain some of the differences in death rates from the corona virus in various countries.

A compound, called caraphenol A, a stilbene similar to resveratrol, implanted in stems cells, to allow viral vectors to enter cells. The caraphenol A helps the cells to lower their barriers to cell entry. Better and Cheaper Ways to Administer Gene Therapy[1]

Caraphenol B, resveratrol, and other stilbenes may have similar, but not as strong of an ability, to turn down the defenses of cells to viral entry. This may explain the correlation of four times more deaths in the high wine consumption countries.

2.0 Data

Wine Correlated with Four Times Higher Chance of Corona Virus Death. The Corona virus is providing the most comprehensive data ever of diet related difference that affect human response to diseases. Never before have we had so much data from each country about how their inhabitants were affected by a virus. Even though the data could be better, it has never been better than now.

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A compound, called caraphenol A, a stilbene similar to resveratrol, implanted in stems cells, to allow viral vectors to enter cells. The caraphenol A helps the cells to lower their barriers to cell entry. Better and Cheaper Ways to Administer Gene Therapy[1]

Caraphenol B, resveratrol, and other stilbenes may have similar, but not as strong of an ability, to turn down the defenses of cells to viral entry. This may explain the correlation of four times more deaths in the high wine consumption countries.

The table below is a summary of the data for wine consumption. The data was obtained from.[2] and [3]
<table>
<thead>
<tr>
<th>Country</th>
<th>Average Percent Death Rate</th>
<th>Deaths per Million Inhabitants</th>
<th>Days</th>
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<tr>
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</tr>
</tbody>
</table>

### Average Percent Death Rate

5.610576556

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**Wine Correlated with Four Times Higher Chance of Corona Virus Death**

- **France**
  - Average percent death rate: 65.3
  - Deaths per million inhabitants: 16689
  - Days: 674

- **Slovenia**
  - Average percent death rate: 2.1
  - Deaths per million inhabitants: 442
  - Days: 3

- **Italy**
  - Average percent death rate: 60.5
  - Deaths per million inhabitants: 59138
  - Days: 5476

- **Switzerland**
  - Average percent death rate: 8.7
  - Deaths per million inhabitants: 8547
  - Days: 118

- **Denmark**
  - Average percent death rate: 5.8
  - Deaths per million inhabitants: 1540
  - Days: 24

- **Belgium**
  - Average percent death rate: 11.6
  - Deaths per million inhabitants: 3743
  - Days: 88

- **Austria**
  - Average percent death rate: 9
  - Deaths per million inhabitants: 4018
  - Days: 21

- **Spain**
  - Average percent death rate: 46.8
  - Deaths per million inhabitants: 33089
  - Days: 2206

- **United Kingdom**
  - Average percent death rate: 67.9
  - Deaths per million inhabitants: 5683
  - Days: 289

- **Sweden**
  - Average percent death rate: 10.1
  - Deaths per million inhabitants: 2046
  - Days: 27

- **Germany**
  - Average percent death rate: 83.8
  - Deaths per million inhabitants: 27289
  - Days: 115

- **Ireland**
  - Average percent death rate: 4.9
  - Deaths per million inhabitants: 906
  - Days: 4

- **Hungary**
  - Average percent death rate: 9.7
  - Deaths per million inhabitants: 167
  - Days: 7

- **Romania**
  - Average percent death rate: 19.2
  - Deaths per million inhabitants: 576
  - Days: 5

- **Netherlands**
  - Average percent death rate: 17.1
  - Deaths per million inhabitants: 4749
  - Days: 213

- **Czech**
  - Average percent death rate: 10.7
  - Deaths per million inhabitants: 1165
  - Days: 1

- **Greece**
  - Average percent death rate: 10.4
  - Deaths per million inhabitants: 624
  - Days: 17

- **Slovakia**
  - Average percent death rate: 5.5
  - Deaths per million inhabitants: 186
  - Days: 0

- **Norway**
  - Average percent death rate: 5.4
  - Deaths per million inhabitants: 2547
  - Days: 10

- **Iceland**
  - Average percent death rate: 0.3
  - Deaths per million inhabitants: 588
  - Days: 1

- **Canada**
  - Average percent death rate: 37.7
  - Deaths per million inhabitants: 1550
  - Days: 21

- **Bulgaria**
  - Average percent death rate: 6.9
  - Deaths per million inhabitants: 190
  - Days: 0

- **Estonia**
  - Average percent death rate: 1.3
  - Deaths per million inhabitants: 352
  - Days: 0

- **USA**
  - Average percent death rate: 0.5
  - Deaths per million inhabitants: 165.5
  - Days: 230

- **691.7 170339 9557**

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**Low Wine Consuming Countries**
Wine Correlated with Four Times Higher Chance of Corona Virus Death

<table>
<thead>
<tr>
<th>Percapita</th>
<th>Percapita</th>
<th>death rate per 100</th>
<th>country</th>
<th>Population</th>
<th>Total Corona virus in country</th>
<th>Total deaths from corona virus in country</th>
</tr>
</thead>
<tbody>
<tr>
<td>liters per year</td>
<td>gallons per year</td>
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</tbody>
</table>

average death rate 4.031119957 2.860811505

deads per million inhabitants total

The ratio of deaths per million inhabitants for high wine drinking countries verses low wine drinking countries.

Ratio=13.81/2.86=4.83

3.0 Discussion of Results

Low wine drinking countries had less than one fourth the deaths per million people than high wine drinking countries. It helps explain why the Mediterranean countries, Spain, France, and Italy. They drink a lot of wine and little beer. Previously it was found that high beer drinking countries correlates with low corona virus deaths. Iran, Iraq, Turkey are low beer drinking countries. The high wine drinking also helps explain why the UK and the Netherlands have high corona virus deaths.

The mechanism of action could be the caraphenol like nutrients in wine that help viruses enter cells by turning down the cells defenses against viruses.[1]

Some may argue that we are not getting good data per country, but never in history have we had this good of information for deaths caused by a virus.

4.0 References