

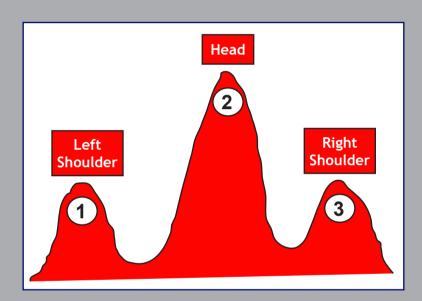
26 February 2020

Covid-19

price action and the shape of pandemics

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**ICAP** Technical Analysis



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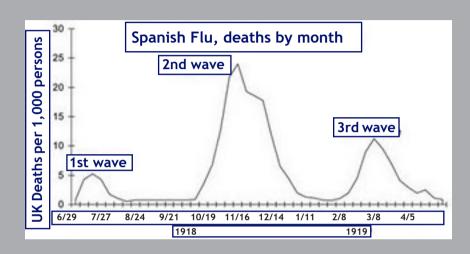
#### **Background**

- When the SPX broke decisively above my most bearish case resistance at 3155.00 on 12th Dec 2019 room and time opened to the upside for the bulls.
- Specifically time.
- With my time cycle work the remaining time for the bulls was much more precise than the remaining upside in price.
- That remaining upside pointed to 2nd half February.
- Specifically, to February 21st 2020.
- From 21st February 2020 I expected "all hell would break lose to the downside for the stock markets."
- And at the risk of beating a dead horse, I was not shy about repeatedly emphasizing this timing situation.
- I have two long standing Fibonacci duration time cycles that clearly pointed to this timing risk.
- There was a cycle of mid-east violence and regime change and a cycle of pandemics.
- The headlines over the past couple years suggested that mid-east violence and regime change as the higher probability headline at the final peak in the equity markets.

#### **Bad Things Do Happen in Threes**

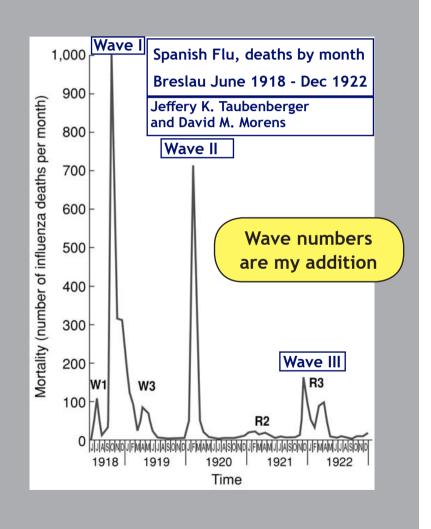
- As it turns out it was a pandemic headline at the Feb price peak, not a mid-east terrorism related headline.
- And as it turns out, I am certain that everyone would have much preferred a mid-east violence headline.
- However, as also mentioned in previous reports, bad things never happen when it is convenient.
- In fact for the great majority of investors, bad things always happen when they are least expected.
- This is because everyone is always caught all in on the long side at major peaks in the markets.
- This is the nature of human behavior.
- And there are only two things that can help inoculate us from the otherwise irresistible urge to buy near tops.
- 1. Chart Patterns in Technical Analysis
- 2. Time Cycles in Technical Analysis
- However none of this is the subject of this report.
- The purpose of this report is to expand on the topic of a report dated 3rd February 2020
- The three wave nature of pandemics.



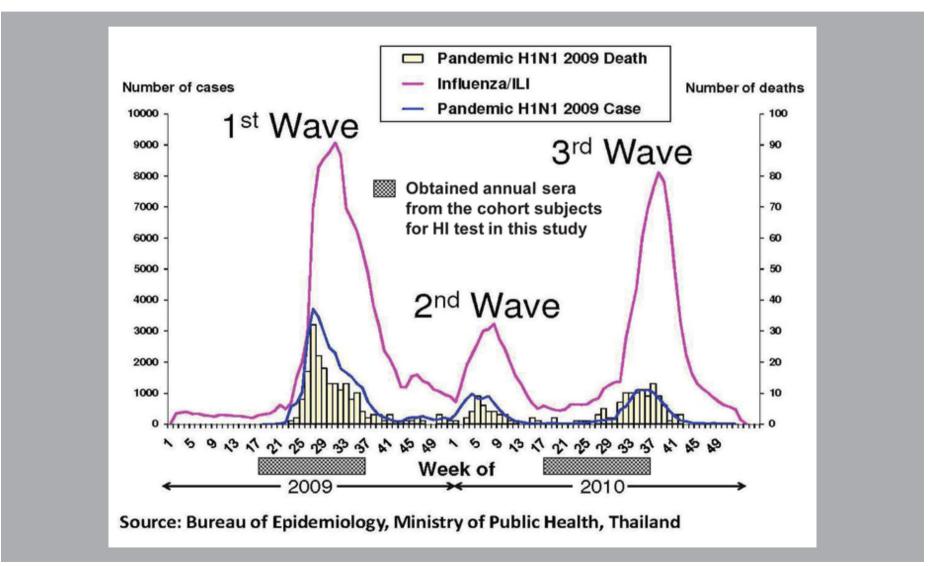


#### Three Fold Waves within Three Fold Waves

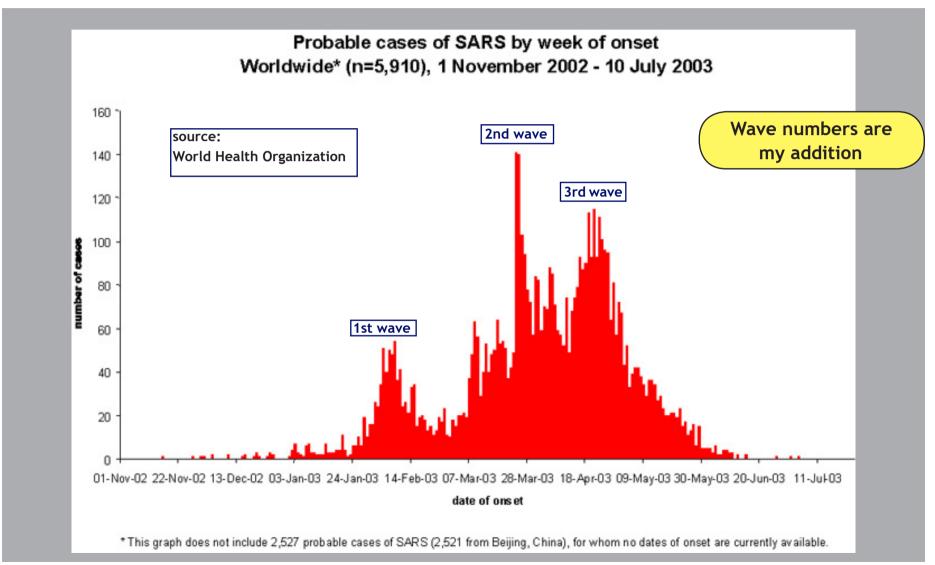
- Estimate peg the total deaths from the that 1918 pandemic as between 50 and 100 million people.
- At the time that was 3% to 5% of the Earth's population
- It is estimated that 500 million were infected.
- · So one in five that were infected died.
- More soldiers died from this pandemic than from World War I
- And when the deaths are plotted a curious pattern emerges.
- The deaths arrived in sets of three waves.



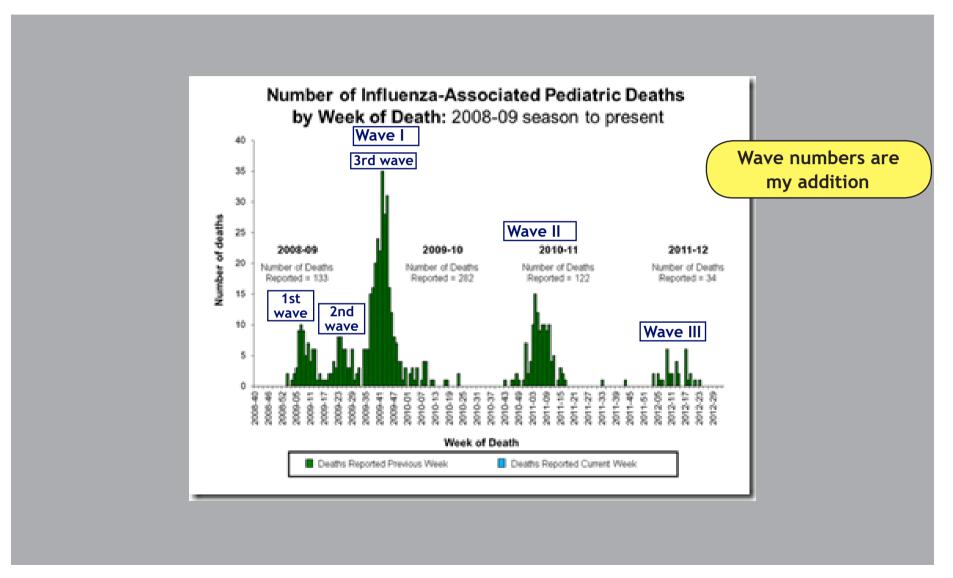




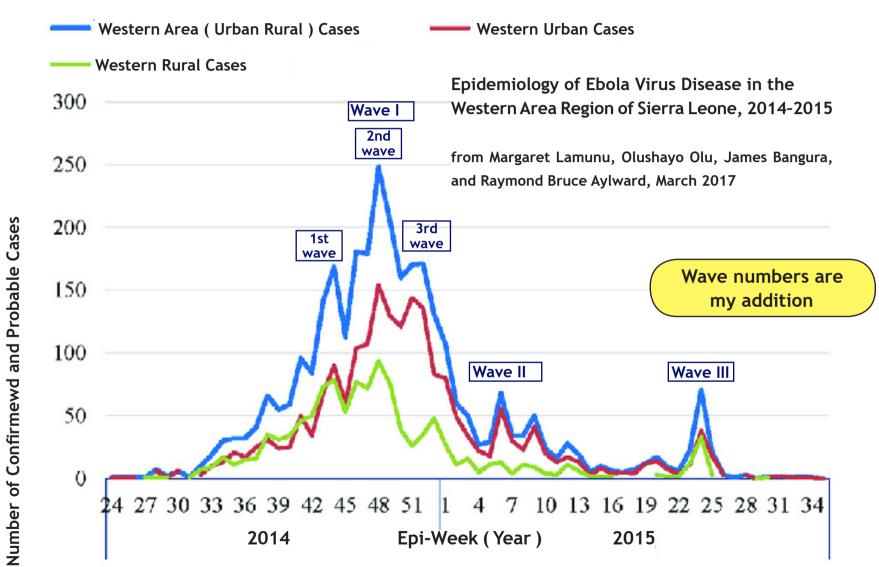














#### Head and Shoulders Top Patterns in Pandemic Deaths

- The head and shoulders top reveals the process by which a
  population of objective investors are infected by a wave of
  dangerously excessive bullish sentiment.
- This peaking pattern reveals the trajectory of a market losing its collective mind.
- The end result is long liquidation into a bear market.
- In theory, the spread of an infectious disease should closely resemble of spread of an excess sentiment extreme
- In both cases the dynamic is collective human behavior.
- A price chart of the spread of a sentiment extreme should resemble the death chart of the spread of an infectious disease.
- The only question is what chart patterns will we find when we plot deaths over time during a pandemic.
- The answer, again and again, is the head and shoulders top.
- This should not be a big surprise
- The head and shoulders pattern is arguably the most simple, the most reliable, the most iconic, and the most instructive of all trend reversal patterns.
- In the world of price action this pattern reveals the trajectory of a market losing its mind.
- In a pandemic, the trajectory plotted is the loss of life.

#### Looking Outside the Box

- The subject of technical analysis is collective human behavior as revealed by the price action of the markets.
- A major component of the subject of epidemiology is collective human behavior as revealed by the spread of disease.
- The disease studied by technical analysis is an emotional affliction that robs the investor of the ability to think clearly.
- The disease in pandemics is physiological and robs the individual of his capacity to live.
- Excessive hope and fear do not spread in a vacuum.
- And neither does an infectious disease.
- In both cases the affliction is transmitted from person to person. At first one person at a time. And then later on en masse.
- In the case of a pandemic the reversal is from a healthy population to an infected population.
- It is the trajectory of a population losing its population.
- The bear case implication of all this is that we are only in wave 1 of 3 of this pandemic.
- Or the left shoulder in head and shoulders top terms.
- Cheer-leading efforts by certain politicians to make believe that everything is "under control" will not be helpful.
- See the next two pages.



### Still an Up Trend?

On page 6 of the week ahead outlook for 17 to 21 Feb I made the following two points:

- As noted in the report for 10 to 14 Feb, from here the bulls still need a decisive weekly close above **3415.00**
- And from here the bears need a decisive weekly close below 3100.00



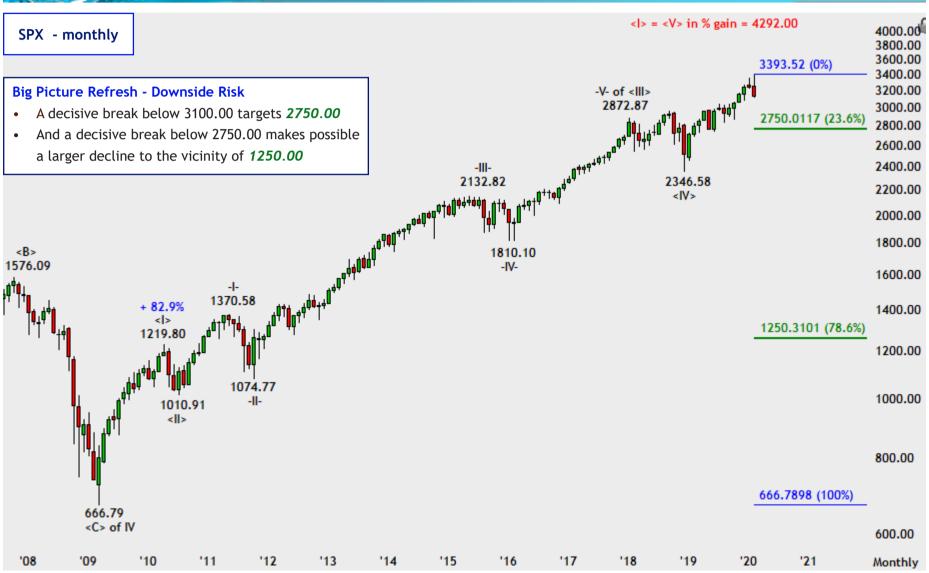


### Cheer Leaders versus Epidemiologists versus the Price Action

- Certain cheer leaders are saying "everything is under control."
- The data watchers are saying it is not a pandemic. Yet.
- The epidemiologists are saying that the cheerleaders are raising the risk of a pandemic.
- What is the S&P 500 price action saying?
- Run for cover on a weekly close below 3100.00
- Because that will break the back of this bull market.

Oct '20 Apr Jun Weekly







### REPRINT

#### Why 2020 is not a reincarnation of 1918

- Why did the Dow Jones Industrial Average rising during the Spanish Flu pandemic?
- How could that have happened?
- The answer is actually quite simple.
- The United States became a wealthy world power by selling the allies ammunition, weapons, and food.
- By the end of World War One the United States was by far the most wealthy super power.
- The UK and France were nearly bankrupt.
- And Germany was bankrupted by the allies.
- So what happened to the Dow Industrials when the war ended in November 1918.
- The DJIA fell.
- Prices and demand for crude oil and refined products also fell sharply from the end of the war.
- See text at right.

#### 1918 and 2020, a couple more 'then and now' points

- At the end of 1918 the USA did not need anyone.
- But everyone needed the USA.
- The UK, France, and Belgium needed food.
- And Germany needed credit.
- These days 43% of SPX earnings are export sales.
- In terms of manufacturing the United States needs
   China as much as China needs the USA.
- The world today is much more interconnected and interdependent than it ever was.
- Another big difference is the commodity cycle.
- The 30 year commodity cycle is now only 2 to 3 years
   from a historic petroleum led crash into a cycle low.
- Back in 1918 commodities were peaking into a 30 year cycle high, otherwise known as the World War I effect.
- Back in 1918 paper investments were a tiny part of the world economy. Today they are the economy.