EFFECTS OF THE COVID - 19 PANDEMIC ON THE WORLD POPULATION: LESSONS TO ADOPT FROM PAST YEARS GLOBAL PANDEMICS

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ABSTRACT
The current Covid - 19 pandemic is estimated to be the worst pandemic in World history. However the effects of the Covid - 19 on the World population and the lessons learned from the world past years pandemic have never been discussed. The objective of the present study is to investigate the effects of the Covid - 19 Pandemic on the World population with the attention to discuss the lessons learned from the past global Pandemics. To accomplish the study's objective I employed a Simple linear Regression Model to evaluate the effects of the current Covid - 19 Pandemic on the World population. Worldwide Time series data from China Daily Covid - 19 Reports dated from 1st march 2020 to 25th march 2020 were used by the study. During investigating the effects of the Covid - 19 pandemic on the World population the study assumes Covid - 19 confirmed cases to be an independent variable while Covid - 19 death cases to be an dependent variable of the study from 1st march 2020 to 25th march 2020. The study findings were in actual fact very interesting. The study findings revealed that there is a positive and meaningful relationship between the Covid - 19 confirmed cases and death cases from dated 1st march 2020 to 25th march 2020 Worldwide. The meaning is the recent Covid - 19 pandemic already affected the World population through a significant number of deaths worldwide. The most attention lessons learned from past global pandemics are; There is no widely accepted, consistent methodology for estimating the economic impacts of pandemics, Spending and costs specifically associated with pandemic preparedness and response efforts are poorly tracked, the best way and effective way to control the virus spreading is to exercise the so-called social distancing. Different from the HIV Aids all the past global pandemics were managed by the World scientists through the development of the vaccines to end the Pandemic.

Key Words: Covid - 19 Pandemic, World Population, Global Past Pandemic.

INTRODUCTION
Different literature and reporting news showed that the recent Covid - 19 has already killed and affected a significant number of the World population. In addition to that the World Health Organisation has alerted that the situation will eventually turn to the worse, therefore argued all countries all over the World to be prepared on fighting and reduce the spread of the Covid - 19 mostly through social distancing by pushing their citizens to stay at home all the time. Mayberry et al, (2020, pg.1), discussed that, "Globally, the virus has infected 184,976 people and killed just over 7,500, according to the WHO".
The Covid - 19 pandemic occurred for the first time in China at Wuhan city during the period of December in the year of 2019. The following month january 2020 China has officially

declared the OUTBREAK at Wuhan city, the following month of february the World health organisation declared the Covid - 19 to be the EPIDEMIC and given the name of COVID -19 from that point the virus has already spreaded all over the china, and eventually the third month of march 2020 the Covid - 19 spreaded over many countries in the world. The Covid - 19 being spreaded all over the World the World Health Organisation (WHO) declared the Covid - 19 to be the PANDEMIC.

The Covid - 19 pandemic is spreading quickly all over the World and already affected a significant number of people while many have already been killed. The biggest challenge is that Covid - 19 has not obtained the vaccines. In addition to that the World Health Organisation has already declared that the success of vaccines will take one year or one year and half more to be successful. That means the World has to be prepared to fight the Covid - 19 without the presence of vaccines while the impacts have already started to occur in all aspects economically and socially in the World.

Economically it estimated the Covid - 19 will lead to the global recession where the world production will go down while unemployment will increase and mostly the revenue to different companies and governments will decline at a large extent. While socially it estimated the Covid - 19 will cause the death of the large part of the World population perhaps even severe compared to the past years global pandemics. (MPH, 2020) , clarified that,"Beginning in December 2019, in the region of Wuhan, China, a new ("novel") coronavirus began appearing in human beings. It has been named Covid-19, a shortened form of "coronavirus disease of 2019".

Literature revealed the experience of the world's past years pandemic on how they affect society by causing the death of a large number of the population. Literature suggested the Spanish Flu after the end of the first world war, the flu caused the quarter death of the world population. With the reference from the Spanish flu the World must be prepared to fight against the ongoing spread of the Covid - 19 as it will eventually take the big part of the World population and not properly estimated to how many or to what extent the World population will be lost. (Beall, 2020, pg.1), discussed the Spanish flu and argued that, "Near the end of World War One, a nasty flu started spreading around the world. The virus responsible for the disease, which became known as Spanish flu, infected over a quarter of the world's population".

MOTIVATION AND OBJECTIVE OF THE STUDY

The current Covid - 19 pandemic is estimated to be the worst pandemic in World history. However the effects of the Covid - 19 on the World population and the lessons learned from the world past years pandemic have never been discussed.

Literatures revealed that the Pandemic Covid - 19 will cause the deaths of a significant number of the World population. This is due to the fact that up to present the World has never found the vaccines for the Covid - 19, however scientists have in a different investigations and trials to find the proper vaccines for the Covid - 19. Meanwhile the World has already witnessed the death of a significant number of people particularly in China and Italy. (Beall, 2020, pg.1), in his contribution, suggested that, "This paper found that without any measures at all the UK could face 510,000 deaths while the USA could expect 2.2 million from Covid - 19".

The recent Covid - 19 pandemic is estimated to have severe effects on the World Population and social development prosperity at large. Literature suggests that as the Covid - 19 more spread will lead to the man power population of the World fall sick, as the results all production, economic activities and caring of the society development to be affected and

eventually the most serious negative outcome for the World population is the death for many people. Death of a significant number of the World population will not only affect the economy of the world indeed will affect the social development prosperity of the World. (Evans & Werker, 2020), identify the effects of the Covid - 19 on the World population stated that, "As the disease spreads, it affects the economy with workers sick, caring for family members, and dying".

OBJECTIVE OF THE STUDY
The objective of the present study is to investigate the effects of the Covid - 19 Pandemic on the World population with the attention to discuss the lessons learned from the past global Pandemics.

SIGNIFICANCE OF THE STUDY
From the existing literature the present study will contribute new knowledge regarding the effects of the recent Covid - 19 pandemic on the World population, most important the study will reveal the lessons learned from the global past years pandemic. In addition to that the study will be most useful to different major studies including Health, Economics and Social studies.

LITERATURE REVIEW

THE IMPACT OF THE COVID - 19
The recent Covid - 19 pandemic is estimated to have severe effects on the World Population and social development prosperity at large. Literature suggests that as the Covid - 19 more spread will lead to the man power population of the World fall sick, as the results all production, economic activities and caring of the society development to be affected and eventually the most serious negative outcome for the World population is the death for many people. Death of a significant number of the World population will not only affect the economy of the world indeed will affect the social development prosperity of the World. (Evans & Werker, 2020), identify the effects of the Covid - 19 on the World population stated that, "As the disease spreads, it affects the economy with workers sick, caring for family members, and dying".

Slowing down of the Covid - 19 to the World population is mainly depending on the population of a particular country or society and the age composition of that society. It is believed that the young people generation behave very busy in their daily routine of life which force them to have many movements for their life which support the quickly spreading of the Covid - 19. While the old people and the children are not very busy with the low average movement which reduces the possibility of the spread of the Covid - 19 virus. (Beall, 2020, pg.1), insisted that, "The age of a population, as well as the way people live in a society, has a big impact on how Covid-19 is spreading".

Literatures revealed that the Pandemic Covid - 19 will cause the deaths of a significant number of the World population. This is due to the fact that up to present the World has never found the vaccines for the Covid - 19, however scientists have in a different investigations and trials to find the proper vaccines for the Covid - 19. Meanwhile the World has already witnessed the death of a significant number of people particularly in China and Italy. (Beall, 2020, pg.1), in his contribution, suggested that, "This paper found that without any measures at all the UK could face 510,000 deaths while the USA could expect 2.2 million from Covid - 19".

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Spanish Flu after the end of the first world war, the flu caused the quarter death of the world population. With the reference from the Spanish flu the World must be prepared to fight against the ongoing spread of the Covid - 19 as it will eventually take the big part of the World population and not properly estimated to how many or to what extent the World population will be lost. (Beall, 2020, pg.1), discussed the Spanish flu and argued that, "Near the end of World War One, a nasty flu started spreading around the world. The virus responsible for the disease, which became known as Spanish flu, infected over a quarter of the world's population".

History revealed that from the World past years pandemic, the Spanish flu which causes the death of the quarter of the World it is ranked the deadliest pandemic ever to happen in human history and livelihood. (Beall, 2020, pg.1), to support that fact, stating that, "With an estimated death toll of between 50 million and 100 million, it was one of the deadliest pandemics in human history".

Economically different literatures suggested that the present Covid - 19 will affect the global economy and eventually the global economy has already started to experience the recession of the economy. During the recession of the economy World production will go down while unemployment will increase, revenue to different companies will fall down same to the revenue of the government. (Ross, 2020), argued that, "Given the near-shutdown of many economies, the IMF is forecasting a global recession in 2020".

The current Covid - 19 pandemic is estimated to be the worst pandemic in World history. World economic experts suggested that the recent Covid - 19 will affect the significant world public good and mostly the world population health, which is the top essential on the prosperity of the global economy and social aspects. The effects on the World public good and the health will eventually seriously affect the world economy which seems already affected by the world financial crisis of the year 2008 - 2009. Barcena, (2020, pg.1) discussed in detail the matter and argued that, " The COVID-19 crisis will go down in history as one of the worst the world has endured. She explained that this virus endangers an essential global public good, human health, and it will impact an already weakened global economy".

The Covid - 19 Pandemic has been named as the recent world health crisis and from that attention the World Health Organisation (WHO) has advised all the countries in the world to ensure that they maximise the testing of every individual who is suspecting affected the with the Covid - 19. Testing the health is one of the fundamental tool on fighting the Coronavirus fight because identifying the all and real patients will enable the proper control of the spreading the Covid - 19. Mayberry et al, (2020, pg.1), discussed that, "The World Health Organization (WHO) has described the coronavirus pandemic as the"defining global health crisis of our time", and urged countries to test all suspected cases of COVID-19".

Different literature and reporting news showed that the recent Covid - 19 has already killed and affected a significant number of the World population. In addition to that the World Health Organisation has alerted that the situation will eventually turn to the worse, therefore argued all countries all over the World to be prepared on fighting and reduce the spread of the Covid - 19 mostly through social distancing by pushing their citizens to stay at home all the time. Mayberry et al, (2020, pg.1), discussed that, "Globally, the virus has infected 184,976 people and killed just over 7,500, according to the WHO".

PAST GLOBAL PANDEMICS
COVID - 19

The recent Covid - 19 pandemic occurred at first in China Wuhan city during the period of december in the year of 2019. The following month january 2020 China has officially declared the OUTBREAK at Wuhan city, the following month of february the World health organisation declared the Covid - 19 to be the EPIDEMIC and given the name of COVID -19 from that point the virus has already spreaded all over the china, and eventually the third month of march 2020 the Covid - 19 spreaded over many countries in the world. The Covid - 19 being spreaded all over the World the World Health Organisation (WHO) declared the Covid - 19 to be the PANDEMIC.

The Covid - 19 pandemic is spreading quickly all over the World and already affected a significant number of people while many have already been killed. The biggest challenge is that Covid - 19 has not obtained the vaccines. In addition to that the World Health Organisation has already declared that the success of vaccines will take one year or one year and half more to be successful. That means the World has to be prepared to fight the Covid - 19 without the presence of vaccines while the impacts have already started to occur in all aspects economically and socially in the World.

Economically it estimated the Covid - 19 will lead to the global recession where the world production will go down while unemployment will increase and mostly the revenue to different companies and governments will decline at a large extent. While socially it estimated the Covid - 19 will cause the death of the large part of the World population perhaps even severe compared to the past years global pandemics. (MPH, 2020) , clarified that,"Beginning in December 2019, in the region of Wuhan, China, a new ("novel") coronavirus began appearing in human beings. It has been named Covid-19, a shortened form of "coronavirus disease of 2019".

HIV/ AIDS PANDEMIC (2005 - 2012)

The history revealed that the recent HIV aids have been identified at first in Africa at Democratic Republic Of Congo, at that point it has been declared a pandemic as some years later it has spreaded almost all over around the World and had a serious impact where by it has killed more than 36 million of the world population. However the vaccines have never been obtained but HIV have been under control since the scientists have managed to develop some medicines which makes the virus inactive for sometimes while the life of the affected one can proceed. (MPH, 2020) , clarified the background of the HIV and its impact to the world stating that, "First identified in Democratic Republic of the Congo in 1976, HIV/AIDS has truly proven itself as a global pandemic, killing more than 36 million people since 1981".

The current status of the HIV in the world is estimated that about 31 to 35 millions peoples in the world are living with the HIV in particular the disease is in Sub saharan African where the 5% of the population of that area is living with the HIV. (MPH, 2020) , clearly discussed that,"Currently there are between 31 and 35 million people living with HIV, the vast majority of those are in Sub-Saharan Africa, where 5% of the population is infected, roughly 21 million people".

FLU PANDEMIC (1968)

Another Pandemic in human livelihood history is FLU PANDEMIC which was identified as caused by the Influenza. Flu Pandemic occurred in the year of 1968 which in actual fact led to the death of the large number of people in the world, however the good news is the vaccines of the flu pandemic were successfully obtained and made the end of the pandemic.

It is sometimes referred to as the HONG KONG Flu pandemic caused by the H3N2 strain of Influenza A Virus. (MPH, 2020) , discussing the Flu Pandemic stating that, "Death Toll: 1 million, Cause: Influenza, A category 2 Flu pandemic sometimes referred to as "the Hong Kong Flu," the 1968 flu pandemic was caused by the H3N2 strain of the Influenza A virus, a genetic offshoot of the H2N2 subtype".

It is reported that the Hong Kong Flu is among the pandemic which has spread very quickly in the World, literature suggested that the virus took only 17 days to spread over Singapore and Vietnam from the first time reported outbreak at Hong Kong. And nearly three months later the virus had already become the pandemic since it has already spread to almost many countries in the world including Europe, America, India and Philippines. (MPH, 2020) , written that, "From the first reported case on July 13, 1968 in Hong Kong, it took only 17 days before outbreaks of the virus were reported in Singapore and Vietnam, and within three months had spread to The Philippines, India, Australia, Europe, and the United States".

SIXTH CHOLERA PANDEMIC (1910-1911)

Apart from HIV, Flu Pandemic and Hong Kong Flu as discussed early, the World has experienced the Sixth Cholera Pandemic. The sixth Cholera Pandemic originated from India during the year from 1910 to 1911 where the basic cause of the outbreak was said to be the Cholera. The Six Cholera Pandemic like the previous Pandemic it has quickly spread all over the world particularly middle east, north Africa Eastern europe and russia where it is estimated to cause the death of almost 800,000+ of the world population. The good outcome is the Pandemic was finally controlled and the vaccines obtained to stop the disease spread more and kill in the world. (MPH, 2020) , in detail discussed that,"Death Toll: 800,000+, Cause: Cholera, Like it's five previous incarnations, the Sixth Cholera Pandemic originated in India where it killed over 800,000, before spreading to the Middle East, North Africa, Eastern Europe and Russia".

THE BLACK DEATH (1346-1353)

In addition to that, the world experienced the Black Death Pandemic during the year from 1346 to 1353 which led to the loss of life to a significant number of the world population about 75 and 200 million peoples lost their lives. The black death spread quickly in the world particularly Europe, Africa and Asia. (MPH, 2020) , described the Pandemic and argued that, "Death Toll: 75 – 200 million, Cause: Bubonic Plague, From 1346 to 1353 an outbreak of the Plague ravaged Europe, Africa, and Asia, with an estimated death toll between 75 and 200 million people".

ANTONINE PLAGUE (165 AD)

The all above discussed Pandemic the scientists manage to discover the real cause of the Pandemic, however during the period of 165 AD the World experienced another Pandemic named ANTONINE PLAGUE and failed to establish the cause of the pandemic. The pandemic caused the death of the world population almost 5 millions peoples dead especially to the areas where it spread much such as Asia, Egypt, Greece and Italy. (MPH, 2020) , made clear that,"Death Toll: 5 million, Cause: Unknown, Also known as the Plague of Galen, the Antonine Plague was an ancient pandemic that affected Asia Minor, Egypt, Greece, and Italy and is thought to have been either Smallpox or Measles, though the true cause is still unknown".

The literature suggested that this unknown disease caused by the soldiers returned to the Roma from Mesopotamia during 165 AD, and still to date the scientists have never established the real cause of the Pandemic. (MPH, 2020) , argued that, "This unknown disease was brought back to Rome by soldiers returning from Mesopotamia around 165AD; unknowingly, they had spread a disease which would end up killing over 5 million people and decimating the Roman army".

VACCINES SOLUTION

Different from the HIV Aids all the past global pandemics were managed by the World scientists through the development of the vaccines to end the Pandemic and make the World safe place to live for the human being. For example, Flu Pandemic which was caused by the influenza the scientists manage to develop the vaccine within the year since the outbreak occurred. (World Health Organisation Report, 2020, pg.1), clearly reported that,"For the first time, a pandemic vaccine was developed, produced and deployed in multiple countries during the first year of the pandemic".

About the vaccines of the recent Covid - 19, the managing director of the World Health Organisation has already declared that it will take one year or one year and half more to develop the approved vaccines. This means the world must be prepared to fight the spread of the Covid - 19 pandemic and contain its severe impacts in all aspects. It is already estimated that the world will face a recession economically where production will drop while unemployment will increase and most worse the revenue collection to different companies and governments will drop at a large extent.

LESSONS AND KNOWLEDGE GAPS

Economically, it has been discovered that from all the past global pandemics economics experts revealed that it is very difficult to establish the approach with consistency to determine and recommend the economic impact of the time being pandemic. This remains the food for thought even for the recent Covid - 19 Pandemic. Gallivan M, et al, (2017), clearly argued that, "There is no widely accepted, consistent methodology for estimating the economic impacts of pandemics".

In addition to that, it has become difficult to establish the costs used to overcome the pandemic and mostly no literature suggests the amount of preparedness of the world or countries to confront the whatever pandemic to come. This means even for the recent Covid - 19 it is difficult to estimate the costs to contain the pandemic even how to prepare never been properly identified. Gallivan M, et al, (2017), to support the matter, stating that, "Spending and costs specifically associated with pandemic preparedness and response efforts are poorly tracked".

In addition to that the most important lesson learned from the all past pandemics is that the Governments failed to support their citizens resulting from the imposed rules and regulation to contain the spread of the pandemic. Example the goverments is not responsible for the costs of the quarantined citizens after arriving to a certain country, with the recent Covid - 19 all governments make clearly the instructions that the citizens arrived from outside the country must be guaranteed for 14 days for their own costs. Apart from that while the schools and the workplaces closed the governments do not support the loss of employment or unpaid leave, this may be different to very few countries which recently confirm to support their citizens including china and USA. China and the USA have guaranteed their citizens the impacts of the pandemic, especially the outcome related to employment caused by the recent Covid - 19 pandemic. McDonnell, (2020, pg.1), clarified that,"Governments have often failed

to anticipate and support citizens through the social and economic impacts of pandemics, from mandatory quarantines and travel restrictions to closing schools, workplaces, and local businesses". The most precaution lesson learned from all the past global pandemics is the severe social impact to the World population. Experience and literature revealed that all the past global pandemics killed a significant large number of the world population. (The Guardian, 2020, pg.1) , clarified that, "Impact, Uncontrolled pandemics can be devastating. The 1918 influenza pandemic killed more than 50 million people within a year. HIV/Aids is estimated to have killed more than 39 million people since the first cases were reported in 1981".

In sum up from the lesson learned from the past global pandemics, particularly the 1918 influenza pandemic is the best way to contain the spread of the virus. From the literature review and the experience it is suggested that the best way and effective way to control the virus spreading is to exercise the so-called social distancing. That means all the countries must push their citizens to practice social distancing through banning all mass gathering, events or anything associated with the meeting of the people. (Sara, 2020, pg.1), on discussing the matter in detail and argued that, "The 1918 influenza pandemic and 2002–2003 SARS outbreak suggest social distancing measures, communication and international cooperation are the most effective methods to slow COVID-19".

RESEARCH METHODOLOGY

The objective of the present study is to investigate the effects of the Covid - 19 Pandemic on the World population with the attention to discuss the lessons learned from the past global Pandemics. To accomplish the study's objective I employed a Simple linear Regression Model to evaluate the effects of the current Covid - 19 Pandemic on the World population. Worldwide Time series data from China Daily Covid - 19 Reports dated from 1st march 2020 to 25th march 2020 were used by the study. During investigating the effects of the Covid - 19 pandemic on the World population the study assumes Covid - 19 confirmed cases to be an independent variable while Covid - 19 death cases to be an dependent variable of the study from 1st march 2020 to 25th march 2020.

The study applied the Simple Regression in Double Log and Semi Log Linear Models to investigate the effects of the Covid - 19 on the world population. The study design is descriptive and analytical using the quantitative method with the application of Excel (microsoft office excel 2007), EVIEWS (3.0 VERSION).

The study employed the following equation to evaluate the effects of the Covid - 19 on the World population ; -

$\ln Y_t = \alpha_0 + \beta_1 \ CNF/C_t + e_{1t}$ ……………………….……………….(1) Where, $\ln Y$ is the natural log of Dependent Variable, CNF/C is Covid 19 Confirmed cases . The α_0 is constant, and β_1, is the coefficient parameter.

The correlation between the Covid - 19 Confirmed cases and Death Cases were evaluated by using the following equation : -

$DC_t = \alpha_0 + \beta_1 \ CNF/C_t + e_{2t}$ ……………………………………….(2) Where DC_t is the natural log of the Worldwide Death cases.

EMPIRICAL RESULTS AND DISCUSSION

The present study applied the descriptive and analytical techniques to establish the correlation between the Covid - 19 confirmed and death cases for the whole World.

THE CORRELATION BETWEEN COVID - 19 CONFIRMED CASES AND DEATH CASES WORLDWIDE

The study regression results revealed that there is a significant positive correlation between the Covid - 19 Confirmed cases and death cases from dated 1st march 2020 to 25th march 2020 for the whole world.

The coefficient for the Covid - 19 Confirmed cases is 0.0523% which means that for each additional for the Covid - 19 Confirmed cases the death cases increased for the said percentage. (Table 1).

Table 1: Regression Results Between the Covid - 19 Confirmed Cases and Death cases from 1st march 2020 to 25th march 2020 for the whole world.

Dependent Variable : Covid - 19 death cases

V	C	STD	T	P
COVID -19 CONF C	0.0523	0.015116	34.6	0
CN	0.0137			0
R-S	0.9747			
A.R.S	0.97355			
S.E.O	0.4524			
NOB =25				

Origin : Appendix 3

Where V is Variable, CONF COVID - 19 is the Confirmed Cases In China, C is the coefficient, STD is the Standard deviation, T is the T-statistic, P is the probability, CN is constant, RS is the R Square, A.R.S is the Adjusted R - Square , S.E.O is the standard error of estimation, and NOB is the number of observation.

Appendix 1 : The following table shows the Covid - 19 Confirmed Cases and Death cases from 1st march 2020 to 25th march 2020 for the whole world.

DATE		
	CONF	DEATH
1/3/2020	87656	2994
2/3/2020	88586	3043
3/3/2020	90446	3117
4/3/2020	93131	3203
5/3/2020	95429	3284
6/3/2020	98392	3386
7/3/2020	102121	3493
8/3/2020	106192	3663
9/3/2020	110043	3828
10/3/2020	114237	4032
11/3/2020	119203	4295
12/3/2020	126350	4634
13/3/2020	134667	4975

14/3/2020	145634	5434
15/3/2020	156509	5833
16/3/2020	168857	6516
17/3/2020	182566	7160
18/3/2020	198222	7955
19/3/2020	234436	10028
20/3/2020	244286	10030
21/3/2020	275695	11392
22/3/2020	307740	13050
23/3/2020	338908	14702
24/3/2020	381226	16550
25/3/2020	422634	18916

Source: China Covid - 19 Daily Report, (2020)

Appendix 2 : The following table shows the Daily marginal change for the Covid - 19 Confirmed Cases and Death cases from 1st march 2020 to 25th march 2020 for the whole world.

DATE	M/ CHANGE	
	CONF	DEATH
1/3/2020		
2/3/2020	930	49
3/3/2020	1860	74
4/3/2020	2685	86
5/3/2020	2298	81
6/3/2020	2963	102
7/3/2020	3729	107
8/3/2020	4071	170
9/3/2020	3851	165
10/3/2020	4194	204
11/3/2020	4966	263
12/3/2020	7147	339
13/3/2020	8317	341
14/3/2020	10967	459
15/3/2020	10875	399
16/3/2020	12348	683

17/3/2020	*13709*	*644*
18/3/2020	*15656*	*795*
19/3/2020	*36214*	*2073*
20/3/2020	*9850*	*2*
21/3/2020	*31409*	*1362*
22/3/2020	*32045*	*1658*
23/3/2020	*31168*	*1652*
24/3/2020	*42318*	*1848*
25/3/2020	*41408*	*2366*

Source: Appendix 1

Appendix 3 : Regression between the Covid - 19 Confirmed and death cases from 1st march 2020 to 25th march 2020 worldwide.

DATE	C/CASE	D/CASES	X²	Y²	XY
1/3/2020					0
2/3/2020	930	49	864900	2401	45570
3/3/2020	1860	74	3459600	5476	137640
4/3/2020	2685	86	7209225	7396	230910
5/3/2020	2298	81	5280804	6561	186138
6/3/2020	2963	102	8779369	10404	302226
7/3/2020	3729	107	13905441	11449	399003
8/3/2020	4071	170	16573041	28900	692070
9/3/2020	3851	165	14830201	27225	635415
10/3/2020	4194	204	17589636	41616	855576
11/3/2020	4966	263	24661156	69169	1306058
12/3/2020	7147	339	51079609	114921	2422833
13/3/2020	8317	341	69172489	116281	2836097
14/3/2020	10967	459	120275089	210681	5033853
15/3/2020	10875	399	118265625	159201	4339125
16/3/2020	12348	683	152473104	466489	8433684
17/3/2020	13709	644	187936681	414736	8828596
18/3/2020	15656	795	245110336	632025	12446520
19/3/2020	36214	2073	1311453796	4297329	75071622
20/3/2020	9850	2	97022500	4	19700
21/3/2020	31409	1362	986525281	1855044	42779058
22/3/2020	32045	1658	1026882025	2748964	53130610

23/3/2020	31168	1652	971444224	2729104	51489536
24/3/2020	42318	1848	1790813124	3415104	78203664
25/3/2020	41408	2366	1714622464	5597956	97971328
TOTAL	334978	15922	8956229720	22968436	447796832

Source : Appendix 2

SUMMARY OF FINDINGS

The study findings revealed that there is a positive and meaningful relationship between the Covid - 19 confirmed cases and death cases from dated 1st march 2020 to 25th march 2020 Worldwide. The meaning is the recent Covid - 19 pandemic already affected the World population through a significant number of deaths worldwide. The most attention lessons learned from past global pandemics are; There is no widely accepted, consistent methodology for estimating the economic impacts of pandemics, Spending and costs specifically associated with pandemic preparedness and response efforts are poorly tracked, the best way and effective way to control the virus spreading is to exercise the so-called social distancing. Different from the HIV Aids all the past global pandemics were managed by the World scientists through the development of the vaccines to end the Pandemic.

LIMITATION OF THE STUDY

The study sample time frame is very short from 1st march 2020 to 25th march worldwide, the study recommends for the future and further studies to accommodate the long interval period of time especially at a time the Covid - 19 pandemic is already controlled and finished.

CONCLUSION

The objective of the present study is to investigate the effects of the Covid - 19 Pandemic on the World population with the attention to discuss the lessons learned from the past global Pandemics.

From the existing literature the present study will contribute new knowledge regarding the effects of the recent Covid - 19 pandemic on the World population, most important the study will reveal the lessons learned from the global past years pandemic. In addition to that the study will be most useful to different major studies including Health, Economics and Social studies.

The study findings revealed that there is a positive and meaningful relationship between the Covid - 19 confirmed cases and death cases from dated 1st march 2020 to 25th march 2020 Worldwide. The meaning is the recent Covid - 19 pandemic already affected the World population through a significant number of deaths worldwide. The most attention lessons learned from past global pandemics are; There is no widely accepted, consistent methodology for estimating the economic impacts of pandemics, Spending and costs specifically associated with pandemic preparedness and response efforts are poorly tracked, the best way and effective way to control the virus spreading is to exercise the so-called social distancing. Different from the HIV Aids all the past global pandemics were managed by the World scientists through the development of the vaccines to end the Pandemic.

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