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COVID-19, 1 Year, 6 Months, 1 week, and 4 Days: Still Counting- May 9, 2021

The Dates: World Health Organization (WHO) Data¹

December, 2019: SARS-CoV-2 Virus (COVID-19) identified in Wuhan, China

January 30, 2020: WHO declared COVID-19 a public health emergency

March 11, 2020: WHO Declared COVID-19 a pandemic

May 9, 2021: **1 year, 6 months, 1 week and 4 days**

157,668,875 global COVID-19 cases

3,795,554 global deaths

21.6% global case fatality rate- **one of deadliest pandemics in history**

***10% of world population estimated to have been infected by early October 2020.¹**

How did we do? NOT VERY WELL GLOBALLY!

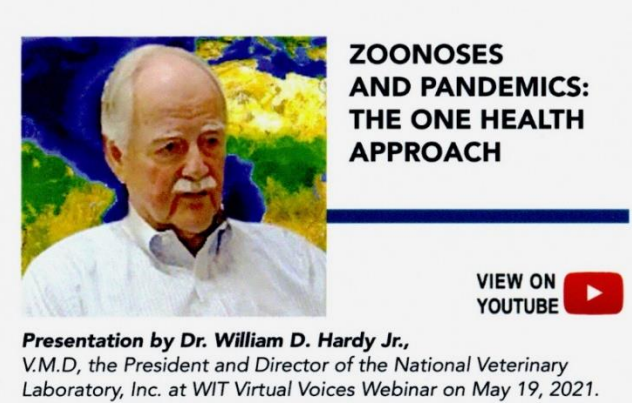
There have been more deaths to June 1, 2021 (1,880,000) than in all of 2020. The case fatality rate for selected countries are: Mexico 9.4%, **China 4.7%**, Australia 3.0%, Italy 3.0%, UK 2.8%, Brazil 2.8%, Russia 2.4%, Germany 2.4%, France 1.9%, and **USA 1.8%**. However, there are promising results from the COVID-19 vaccinations with cases decreasing dramatically and states opening up to a more normal existence. More than 50% of Americans and more than 40% of Europeans have been fully vaccinated, whereas only 22% of South Americans, 6% of Asians, 2% of Africans and 0% of Haitians have been vaccinated. The USA and European Union have now pledged a combined 1 billion doses of vaccines to countries needing them.

Dr. Christine Durbak asked me to present a Zoom United Nations WIT Virtual Voices Webinar on May 19th, at the recommendation of Dr. Richard Reed of the Bayonne Veterinary Clinic, Bayonne, NJ. After reading some of our Newsletters on SARS-CoV-2 and COVID-19 in animals, Dr. Reed recommended the presentation. I enjoyed researching the histories of the many pandemics that the human race has faced and survived, and I invite you to view the 40-minute webinar on YouTube.


The YouTube link is: #2 49 Zoonoses and Pandemics <https://youtu.be/s5tZMzVBUgW>

Zoonoses and Pandemics: The One Health Approach

Presentation by Dr. William D. Hardy Jr., V.M.D, the President and Director of the National Veterinary Laboratory, Inc. at WIT Virtual Voices Webinar on May 19, 2021.



ZOONOSES AND PANDEMIC: THE ONE HEALTH APPROACH

VIEW ON YOUTUBE 

Presentation by Dr. William D. Hardy Jr., V.M.D, the President and Director of the National Veterinary Laboratory, Inc. at WIT Virtual Voices Webinar on May 19, 2021.

Over

You can obtain more information on COVID-19 in people and animals in our Newsletters and Inserts, over the past year, on our web site at: www.natvetlab.com.

COVID -19 and Animals

Newsletters concerning COVID-19 and animals:

COVID-19 Coronavirus Pandemic and Veterinarians
Science Matters!
Science Has Not Found a Cure for Stupidity
The COVID-19 Pandemic Continues- and is Worse!
Zoonoses and Pandemics: Veterinarians Roles

Spring 2020 Vol. 19, Number 2
Summer 2020 Vol. 19, Number 3
Fall 2020 Vol. 19, Number 4
Winter 2021 Vol. 20, Number 1
Spring 2021 Vol. 20, Number 2

Monthly inserts concerning COVID-19 and animals:

SARS-CoV-2 virus and COVID-19 Diseases: Animal Update
COVID-19, 6 Months and Counting- June 2020
COVID-19, 1 Year and Still Counting- March 2021
There is Light at the End of the COVID-19 Tunnel

May 2020
June 2020
March 2021
April 2021

Two More Animal Zoonotic Coronaviruses Found in People:

Dogs: An international team has been looking for novel coronaviruses in patients with pneumonia in Sarawak, Malaysia and has found 8 hospitalized children with evidence of a coronavirus that may have originated from dogs, canine coronavirus HuPn-2018, or CCoV-HuPn-2018. The children were living in traditional longhouses in Borneo where there was likely frequent exposure to domestic and wild animals.²



Alex Lapuerta - <https://www.flickr.com/photos/soschilds/473761626/> via Wikimedia Commons

Pigs: For the first time, a porcine deltacoronavirus (PDCoV) strain was discovered in plasma samples of three Haitian children with acute undifferentiated febrile illness. Genomic and evolutionary analyses found the human infections were from two independent zoonoses of distinct viral lineages.³ Pigs are known as “mixing vessels” as they permit viruses to exchange genes, which can result in more virulent and dangerous viruses.



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These two recent findings of zoonotic coronaviruses infecting people increase those numbers from 7 to 9. In both instances, the patients fully recovered and there was no evidence of human-to-human transmission. Each case appears to have been a dead-end spillover independently into each patient.

References:

1. “WHO: 10% of world's people may have been infected with virus”. AP NEWS. 5 October 2020. Retrieved 12 November 2020.
2. Lednicky, John A., et al., Novel Canine Coronavirus Isolated from a Hospitalized Pneumonia Patient, East Malaysia”. Clinical Infectious Diseases. doi:10.1093/cid/ciab456 2021.
3. Vlasova, Anastasia, et al. Emergence of porcine delta-coronavirus pathogenic infections among children in Haiti through independent zoonoses and convergent evolution doi: <https://doi.org/10.1101/2021.03.19.21253391> MedRxiv, March 25, 2021.