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Virus weapon is very much stronger than modernized nuclear weapons

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Madeleine K. Albright wrote an editorial entitled "Avoiding another Hiroshima" (1). She summarized (1):

1. the estimated cost of modernizing the nuclear enterprise—about \$50 billion per year—is almost five times the budget of the U.S. Centers for Disease Control and Prevention.
2. A new U.S. administration can reduce such spending, supporting instead the goal of nuclear disarmament.

My (grand) father and mother were atomic bombs survivors in Nagasaki. Many Japanese did not know what was going on in World War II, because of government-controlled fake news and government censorship in Japan (2). We truly know the fact that 642,829 people worldwide have now lost their lives as a result of the coronavirus pandemic as of July 25, 2020 (3). We don't know whether covid-19 is a deliberate pandemic or not. You can imagine that virus weapon is very much stronger than modernized nuclear weapons. The Biological Weapons Convention (BWC) has 183 States Parties as of August 2019 while five have signed but not ratified the BWC and 10 have neither signed nor ratified the agreement (4). We must know that signed and ratified the BWC cannot guarantee no usage of the biological weapons in an emergency.

Although we live in the 21 century, we human beings are not smart enough to manage ourselves. As long as we believe power controls everything, there will be no changes in our society.

References:

1. Madeleine K. Albright, "Avoiding another Hiroshima," *Science* 24 Jul 2020: Vol. 369, Issue 6502, pp. 350

2. Y. Takefuji, Fake news and government censorship play a key role in the nuclear age, Science (eLetter, 9 Feb. 2018)

<https://science.sciencemag.org/content/359/6376/613/tab-e-letters>

3. <https://www.worldometers.info/coronavirus/>

4. [https://en.wikipedia.org/wiki/Biological\\_Weapons\\_Convention](https://en.wikipedia.org/wiki/Biological_Weapons_Convention)