

# Case Study - 1

## Global Pandemic and Vaccination.

From the rapid development of severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) being identified as a novel infectious agent causing COVID-19 illness in December of 2019 to the declaration of COVID-19 as a pandemic by the WHO in March 2020, it was unclear what the future held for the public health of United States. As health officials dove into research and leaders struggled with how to protect their citizens, the virus relentlessly spread through populations.

As the result of herd vaccination and improved situation, the world has seen many highly communicable and deadly diseases eradicated or having a low incidence of occurrence. SARS-CoV-2, the underlying virus of COVID-19, is 80% identical to SARS, and research on the structure and mechanism utilized in transmission was not completely unknown in the scientific field. Operation Warp Speed (OWS) was established May 2020, this force is a joint effort by various government organizations and the private health sector to "accelerate control of the COVID-19 Pandemic by advancing development, and

allow the vaccine to be researched and processed. The private companies were given the ability to begin developing vaccines with the backing of the United States government to ensure, "no technical, logistic or financial hurdles hinder vaccine development or deployment".

The OWS sought to mitigate the risk of failure with the need to bear the financial costs of advancing the typical time frame of vaccine development. It was also noted that the size of trials was maximized to ensure the safety, efficacy and quality of the vaccinations were not compromised due to the rapid process of parallel operations. As the no of cases and deaths surged throughout 2020 and into 2021 the endorsements by public health officials to avoid large gatherings, wearing masks and getting tested were the sacrifices of personnel desired and comforts to prevent the unnecessary loss of life within our society.

As the pandemic has advanced, there are various ethical questions regarding burdens, benefits, including the future choice to become vaccinated against COVID-19. The court set a precedent for future vaccination laws that the need to protect public health through the benefits vaccination provides outweigh the right for the individual to decline vaccination. The court rejects exemptions based on personal beliefs.

because allowing them would practically strip the legislative department of its function to care of the public health and public safety when endangered by epidemics of disease". As a result of allowing individual to remain the world suffer from vaccine preventable illnesses. Every year the Advisory committee on Immunization Practices (ACIP) provides a recommended list of vaccines to be received by individual and schedule when to receive them.

for example, to prevent crisis, in June 2015 California passed Senate Bill 277, which banned personal and religious exemptions from vaccination. with the spread of a highly communicable disease that highly affects those most vulnerable to the risks of vaccination, ethical principles promote vaccination as a burden that adds to the public good and protects the vulnerable.

## Case Study - 2

### Sustainable Development Goals.

Most interpretations of sustainable development work within the Brundtland formula (world commission on environment and development 1987) but vary in relation to the emphasis placed on each of its three ~~economy~~: economy, environment and society. The interpretations of quality of life have also varied along the years to match the different world developments and aspirations; the better quality of life is no longer limited to a better economic standard of living but now intrinsically linked to ecological and social sustainability.

In simple terms, sustainable development implies great potential for human well being as it clearly captures the two terms development and sustainable; where the former is concerned with human evolution and activities on both the social and economic levels, whereas the latter is addressing the stress that such development places on the environment. The British department of Trade and Industry describes sustainable development as the tool to achieve a better quality of life for everyone.

Now, for the future generations, through four main strands, the first being the social progress, the second is the maintenance of high and stable levels of economic growth and employment, while the third is protecting and if possible enhancing the environment and fourth being the prudent use of natural resources and general consumption.

Given the challenges facing the Earth today, a much more meaningful instrument is required - to address the limits of the Earth's resilience and our failure to curb consumption and a new ethic based on the ecological carrying capacity of the Earth: this focus on the ethical reasoning behind the different levels of sustainability.