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**International View at Health:  
World after Pandemic CoVID-19**

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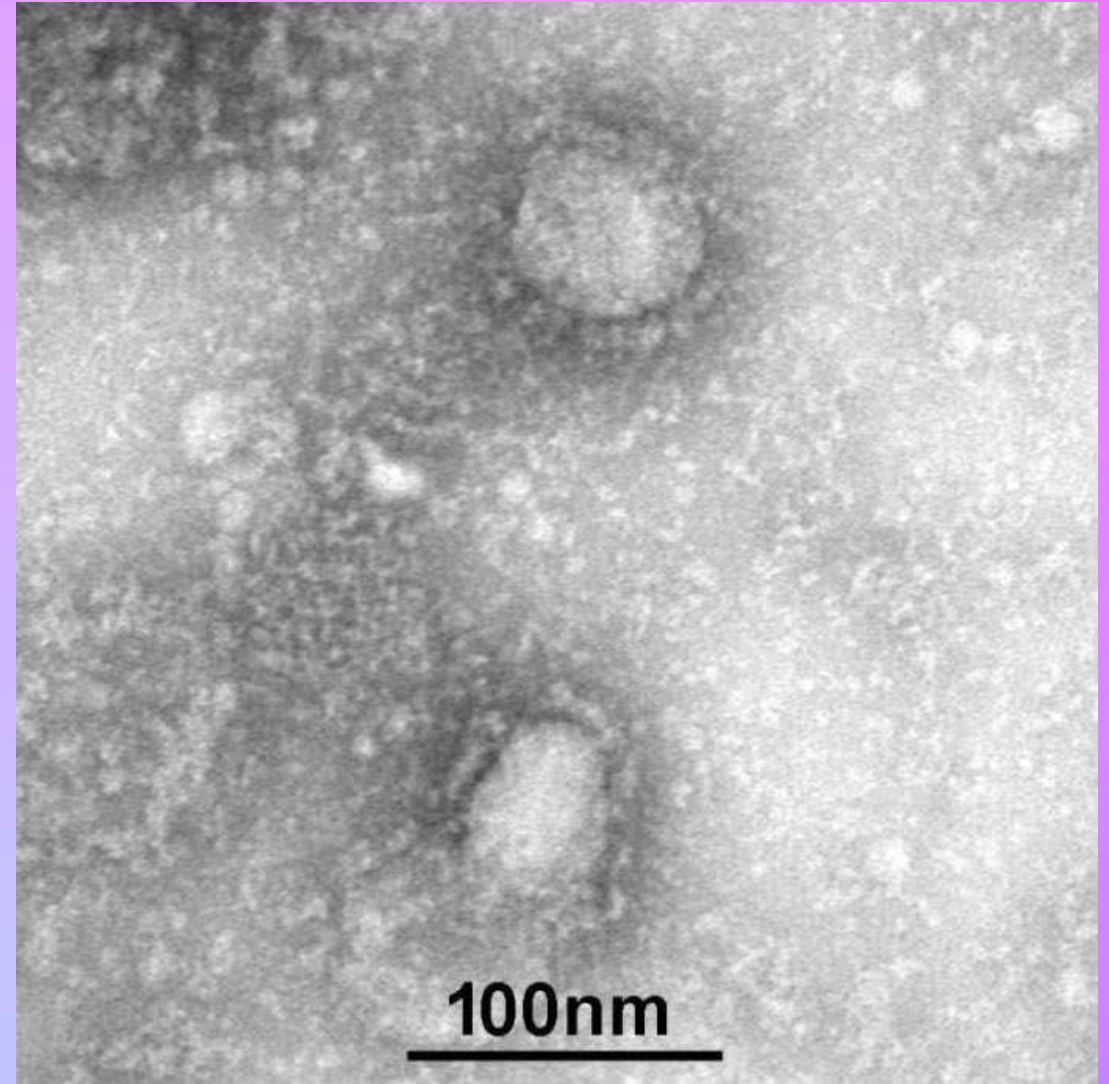


**The world which we lived  
will never be the same as before**



It is difficult to find a scientific field in which scientists would not be working on solving the problem of CoVID-19 now.

Relative Size Visual Comparison Chart					
Size	100 nm	300 nm	1 micron	2.5 micron	5 micron
	Here it is ↓ ·	o	o	o	o
Example	CV/IF Surgical Mask	N95 Mask Pore	Bacterium Start Pollens Start	Utility Mask Pore	Typical Dusts
Humans	Aerosols		Large Aerosols/Small Droplets		Droplets



The tip of your finger, maybe 1 square millimeter, can literally pick up tens of millions of virus particles and you could not see any of them (Koops, 2020). Photo:chinacdc.cn



The hospital for those infected with coronavirus was built in 10 days in Ukhun.  
Photo: China Daily/Reuters



In the face of the real danger we begin redefining conceptual bases of mankind, nation, state, family, individuum in dialectics: democracy – authoritarianism, technocracy – humanism, freedom of movement – observation, good health – disease etc.

## The Great Barrington Declaration

The Great Barrington Declaration – As infectious disease epidemiologists and public health scientists we have grave concerns about the damaging physical and mental health impacts of the prevailing COVID-19 policies, and recommend an approach we call Focused Protection.

Coming from both the left and right, and around the world, we have devoted our careers to protecting people. Current lockdown policies are producing devastating effects on short and long-term public health. The results (to name a few) include lower childhood vaccination rates, worsening cardiovascular disease outcomes, fewer cancer screenings and deteriorating mental health – leading to greater excess mortality in years to come, with the working class and younger members of society carrying the heaviest burden. Keeping students out of school is a grave injustice.

Keeping these measures in place until a vaccine is available will cause irreparable damage, with the underprivileged disproportionately harmed.

Fortunately, our understanding of the virus is growing. We know that vulnerability to death from COVID-19 is more than a thousand-fold higher in the old and infirm than the young. Indeed, for children, COVID-19 is less dangerous than many other harms, including influenza.

As immunity builds in the population, the risk of infection to all – including the vulnerable – falls. We know that all populations will eventually reach herd immunity – i.e. the point at which the rate of new infections is stable – and that this can be assisted by (but is not dependent upon) a vaccine. Our goal should therefore be to minimize mortality and social harm until we reach herd immunity.

The most compassionate approach that balances the risks and benefits of reaching herd immunity, is to allow those who are at minimal risk of death to live their lives normally to build up immunity to the virus through natural infection, while better protecting those who are at highest risk. We call this Focused Protection.

Adopting measures to protect the vulnerable should be the central aim of public health responses to COVID-19. By way of example, nursing homes should use staff with acquired immunity and perform frequent PCR testing of other staff and all visitors. Staff rotation should be minimized. Retired people living at home should have groceries and other essentials delivered to their home. When possible, they should meet family members outside rather than inside. A comprehensive and detailed list of measures, including approaches to multi-generational households, can be implemented, and is well within the scope and capability of public health professionals.

Those who are not vulnerable should immediately be allowed to resume life as normal. Simple hygiene measures, such as hand washing and staying home when sick should be practiced by everyone to reduce the herd immunity threshold. Schools and universities should be open for in-person teaching. Extracurricular activities, such as sports, should be resumed. Young low-risk adults should work normally, rather than from home. Restaurants and other businesses should open. Arts, music, sport and other cultural activities should resume. People who are more at risk may participate if they wish, while society as a whole enjoys the protection conferred upon the vulnerable by those who have built up herd immunity.

*On October 4, 2020, this declaration was authored and signed in Great Barrington, United States, by:*

“The Great Barrington Declaration” by Kulldorff, Gupta, and Bhattacharya (2020)



The world has appeared to be not ready to new conditions



**Table 1.** CoVID-19 pandemic indicators (June 28, 2020).

Position	Country	Number of cases	Number of recovered	Number of deaths
34	Singapore	43246	37163	26
35	Ukraine	42932	19350	1121

**Table 2.** CoVID-19 pandemic indicators (July 1, 2020).

Position	Country	Number of cases	Number of recovered	Number of deaths
34	Ukraine	45924	20244	1188
35	Singapore	44122	39011	26

**Table 3.** CoVID-19 pandemic indicators (October 28, 2020).

Position	Country	Number of cases	Number of recovered	Number of deaths
21	Ukraine	374023	155028	6938
66	Singapore	57987	57883	28

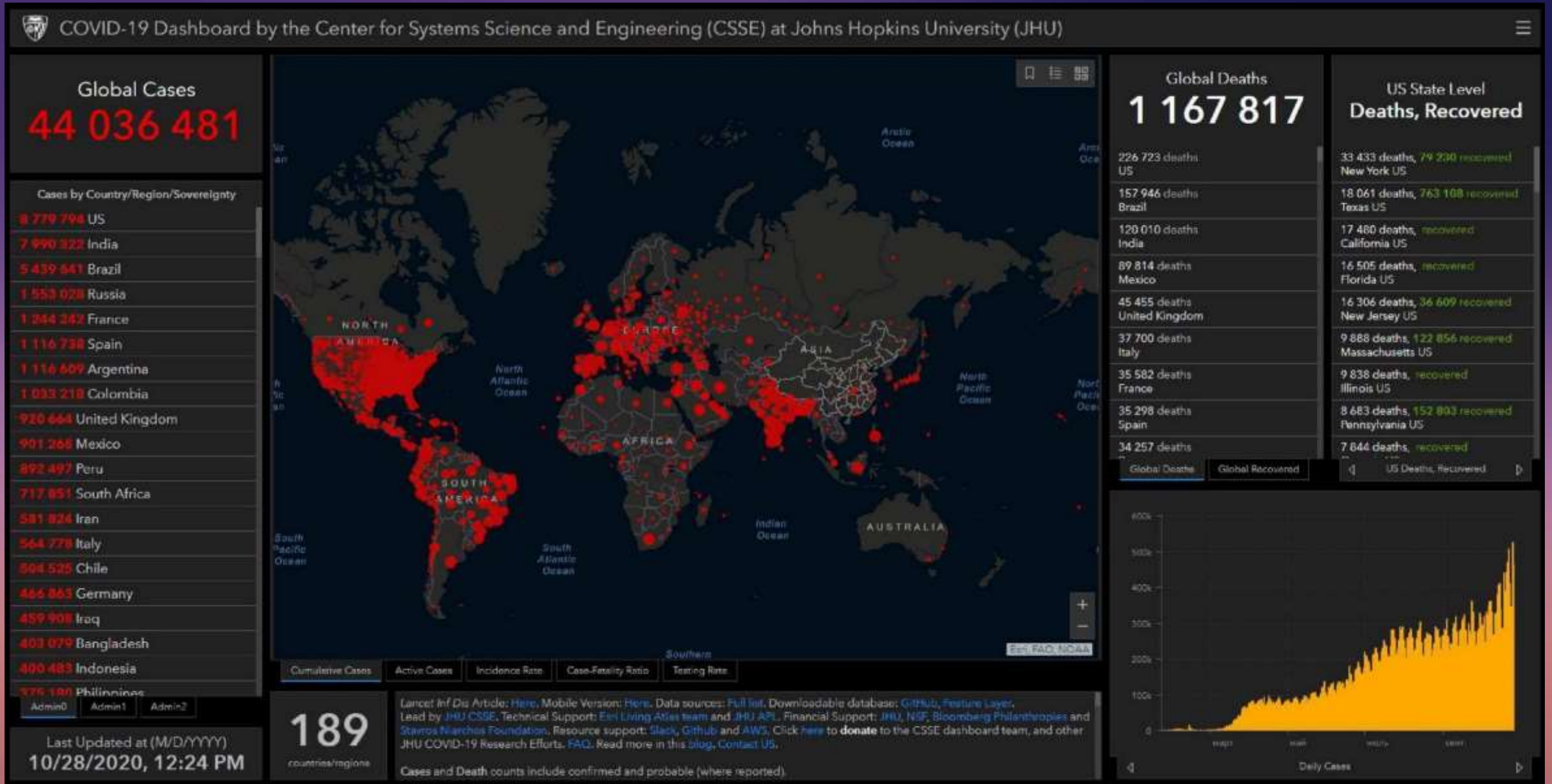
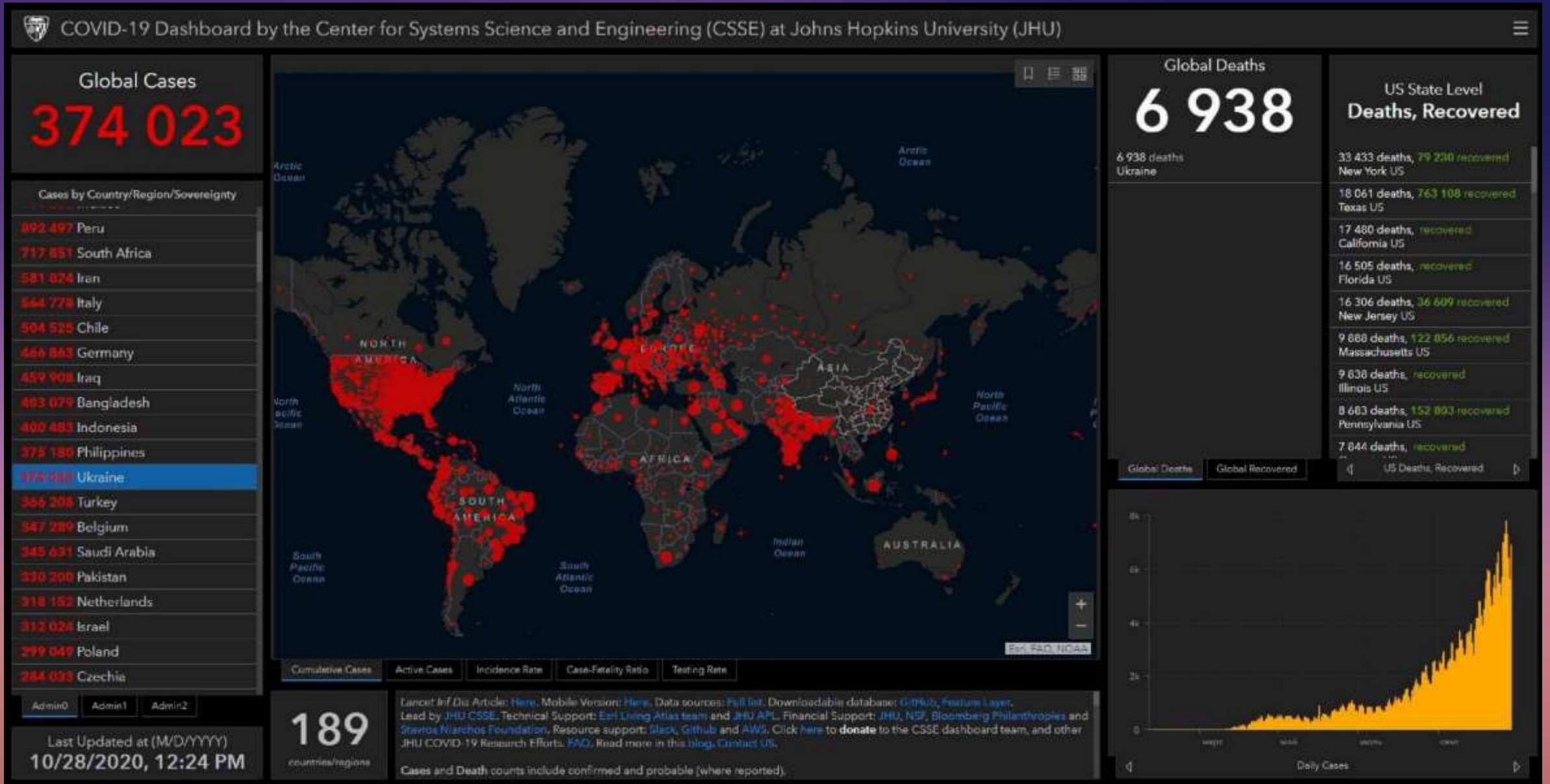
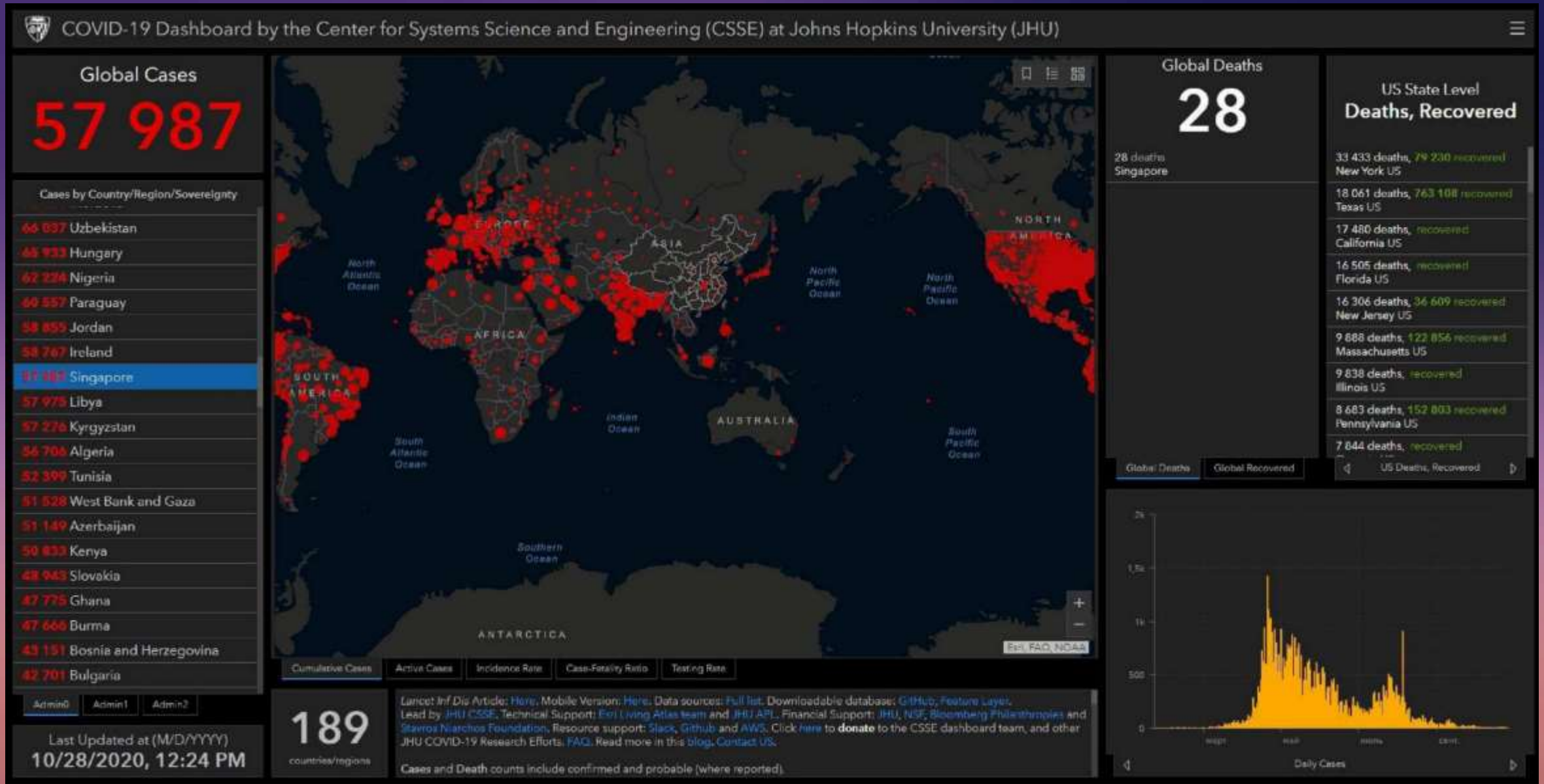


Photo: [gisanddata.maps.arcgis.com](https://gisanddata.maps.arcgis.com). Johns Hopkins University, Coronavirus Resource Center.



Dynamics of Pandemic CoVID-19 in Ukraine (for October 28, 2020.

Photo: [gisanddata.maps.arcgis.com](https://gisanddata.maps.arcgis.com). Johns Hopkins University, Coronavirus Resource Center.

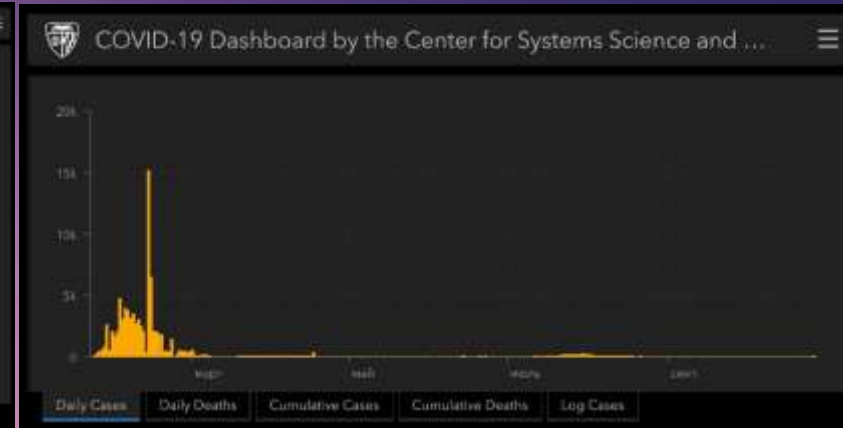
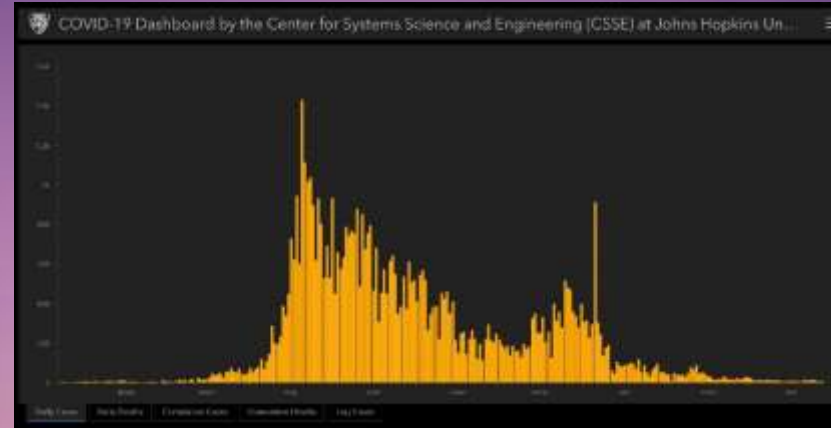
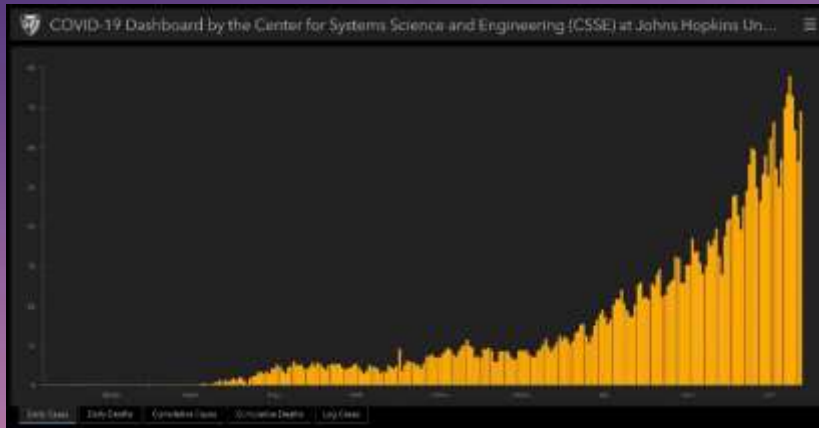


Dynamics of Pandemic CoVID-19 in Singapore (for October 28, 2020).

a – Ukraine

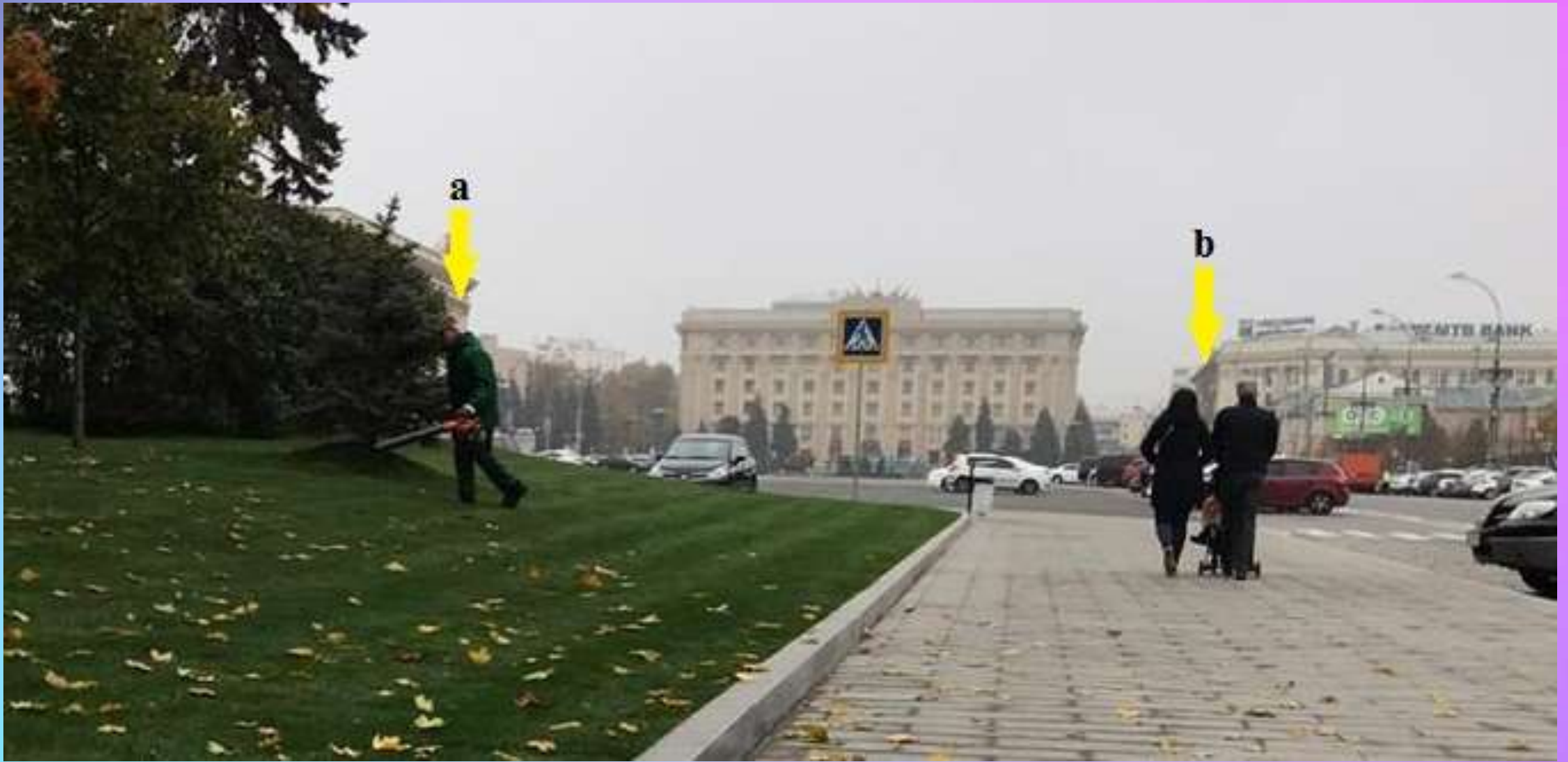
b – Singapore

c – China



Dynamics of Pandemic CoVID-19 (a – Ukraine, b – Singapore, c – China (for October 28, 2020).

Photo: [gisanddata.maps.arcgis.com](https://gisanddata.maps.arcgis.com). Johns Hopkins University, Coronavirus Resource Center.



Ukraine, Kharkiv, the city's central square (October 31, 2020): a – Cleaning of sidewalks and lawns by a communal service worker; b – Pedestrians with a child in a stroller.



Ukraine, Kharkiv, the city's central park (October 31, 2020):

a – Cleaning of park alleys by a communal service worker; b – Pedestrians; c – Child.



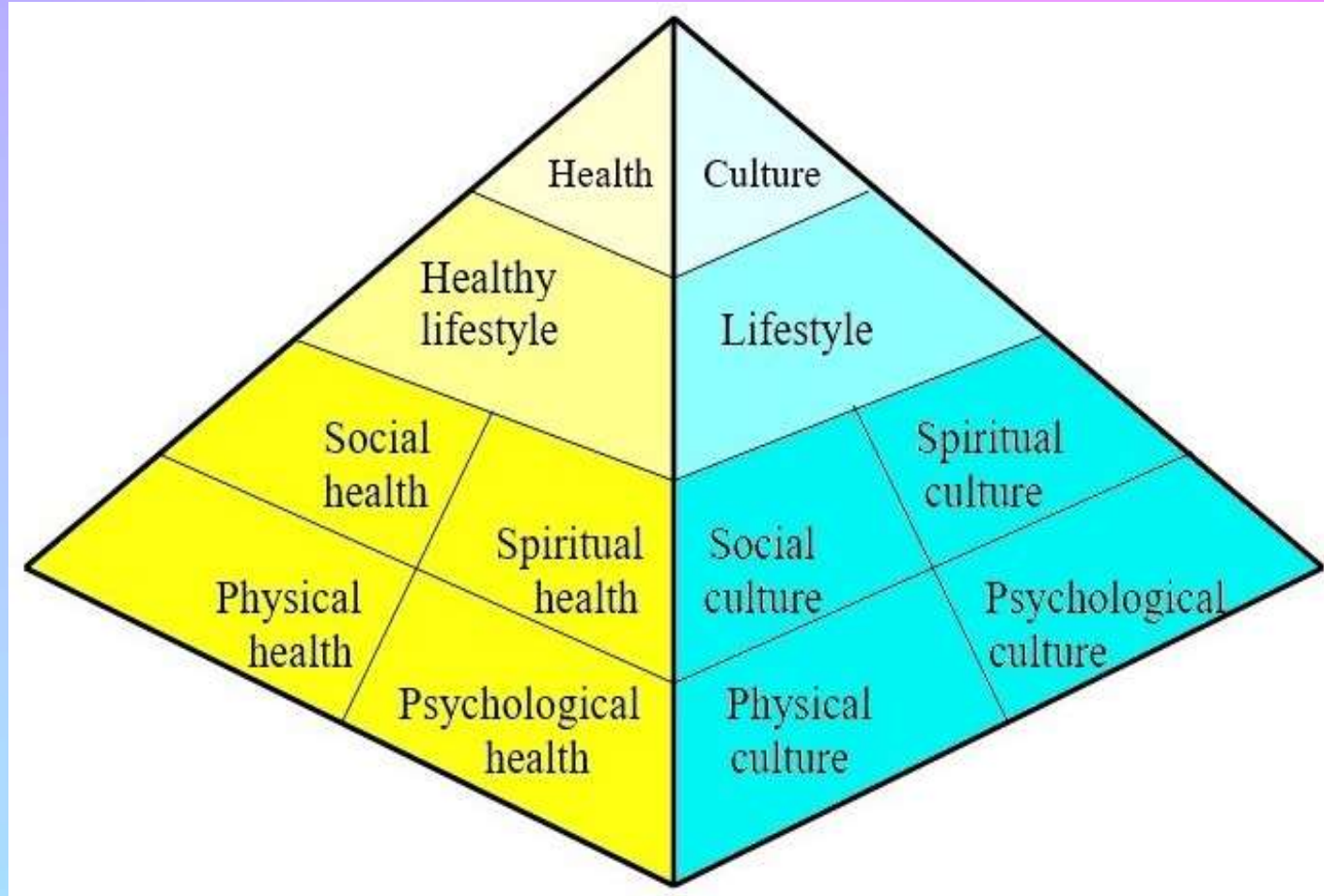
It is forbidden not only to throw litter in the streets but also to spit and feed birds in Singapore.

Photo: ttrweekly.com





The death rate from the CoVID-19 pandemic is by 37 times higher in Ukraine than in Singapore.



The Connection between definition of health culture and other concepts. Melnyk, 2004



## The Cabinet is tightening restrictions for the safety of Ukrainians

### FORBIDDEN

Source: Cabinet of Ministers of Ukraine



from April 6 staying in public places without wearing personal protective equipment



from April 6 more than two people walking, except in cases of need and when accompanying children



children under 14 are prohibited from being in public without being accompanied by a related adult



visiting sports grounds and children's playgrounds



visiting parks, squares, recreation areas, forest parks and coastal areas (except one person walking an animal or in cases of service exigency)



visiting palliative care institutions and institutions that provide such services, as well as institutions providing social services



leaving the places of observation (isolation) without permission



being outside without identity documents



Persons crossing the state border are subject to a mandatory 14-day observation (except for diplomats, members of international organizations, truck drivers, crew members of aircraft and ships, if there is no reason to believe that they were in contact with a sick person)

Measures of Confronting CoVID-19 Spread on Territory of Ukraine (introduced since April 6, 2020).



Stages of cancelling quarantine restrictions on territory of Ukraine (May–June, 2020).



Visualizing the History of Pandemics. Photo: visualcapitalist.com.



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**Thank you for your attention!**

**Take care and be healthy**