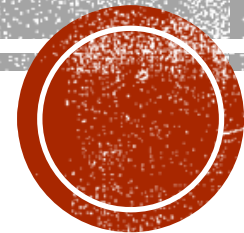


# HEALTH SECURITY AMIDST THE PANDEMIC AND CLIMATE CHANGE

Presented by : Dr. Suherman, M.KM



This is not an ADB material. The views expressed in this document are the views of the author/s and/or their organizations and do not necessarily reflect the views or policies of the Asian Development Bank, or its Board of Governors, or the governments they represent. ADB does not guarantee the accuracy and/or completeness of the material's contents, and accepts no responsibility for any direct or indirect consequence of their use or reliance, whether wholly or partially. Please feel free to contact the authors directly should you have queries.

- Global Health Security
  - Focus on what matters, find and fund right ideas
    - Promote Green Investment
  - Using tools-data science
    - Global, independent, pandemic prevention system
    - World's best insurance policy against another pandemic
  - Collaboration in the era of connected world
    - Intelligence centre :
      - - Genomic sequencing
      - - Population mobility
      - - Public health guidelines
    - Facilitate across border coordination, forecast :
      - - Highrisk location
      - - Target intervention
  - Global health community (Gov-epidemiologist-multilateral organization-tech companies-WHO)



# CURRENT SITUATION IN INDONESIA

Angka  
Capaian  
Vaksinasi  
(data 20 Juni 2022)

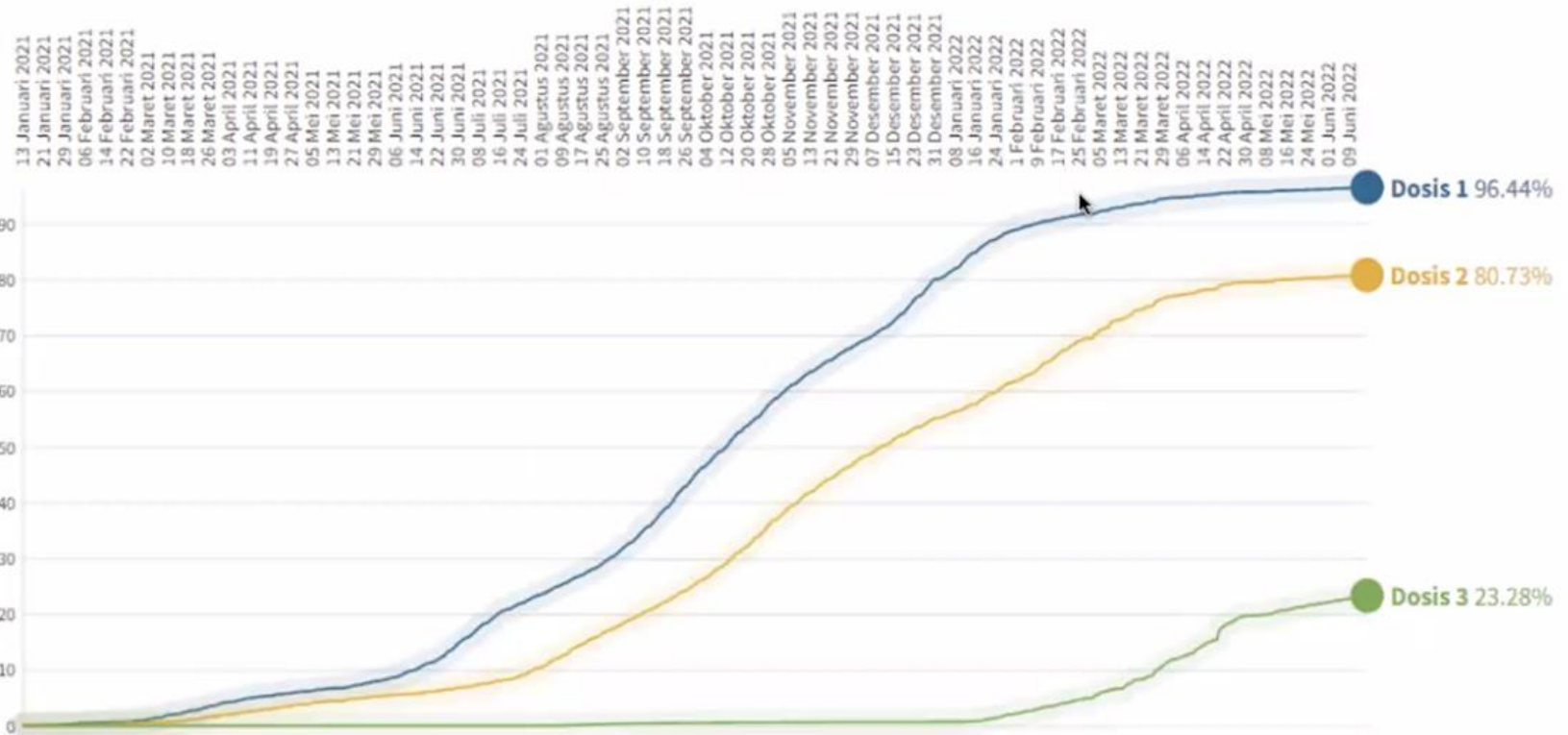
## Cakupan Vaksinasi COVID-19 Dosis 1 dan 2 di Indonesia

Replay

Lihat Berdasarkan Capaian

Lihat Berdasarkan Ranking

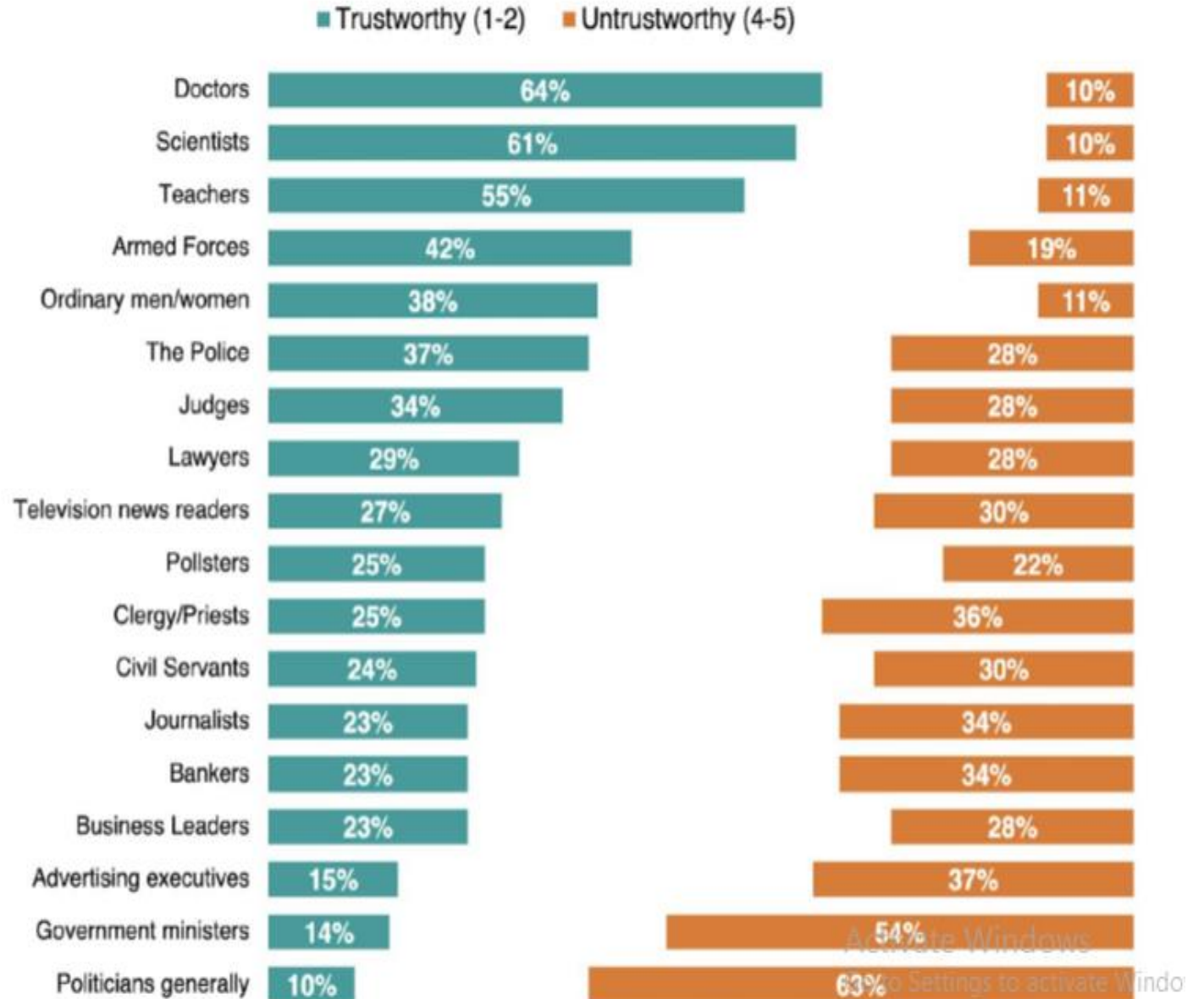
Dosis 1 dan 2



# GLOBAL TRUSTWORTHINESS RANKING 2021

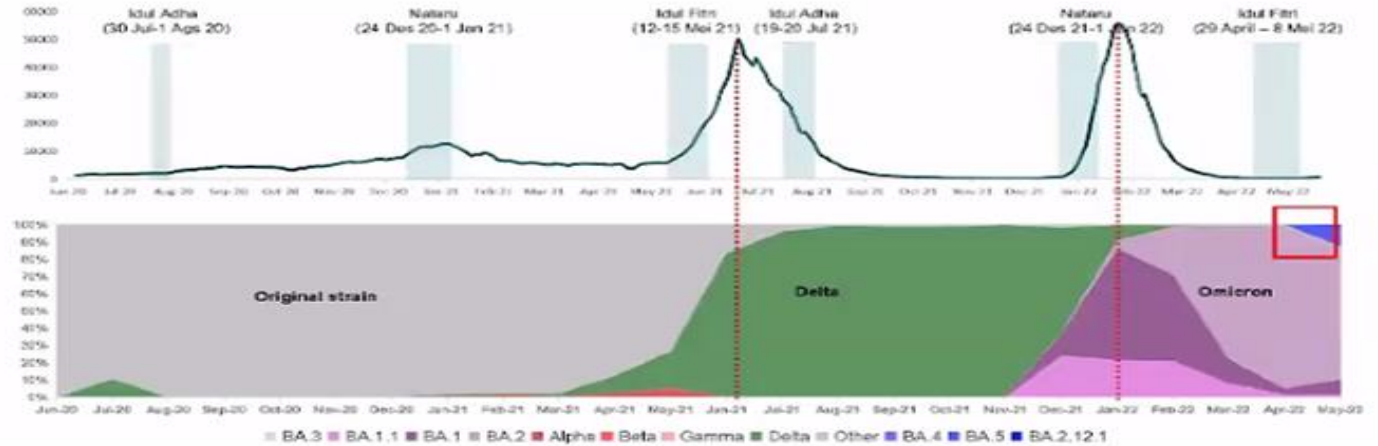
Please look at this list of different types of people. In general, do you think each is trustworthy or untrustworthy in your country?

Please use a scale of 1 to 5, where 1 is very trustworthy and 5 is very untrustworthy



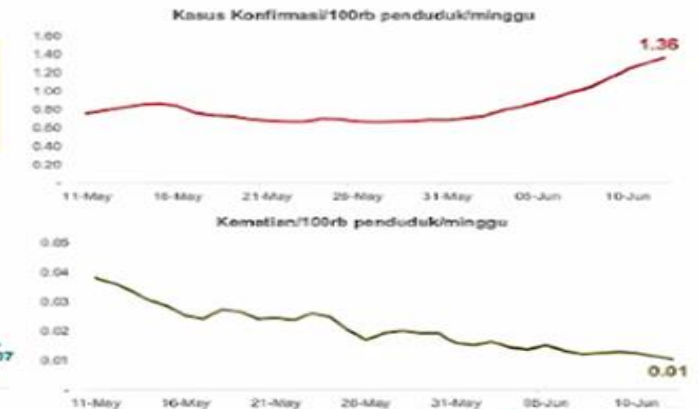
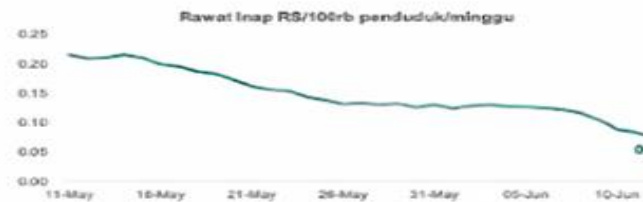
## Situation in Indonesia :

- The pandemic condition in Indonesia is still under controlled
- Even though cases are increasing, the positivity rate is still relatively low at 1.62%-2.4% (standard from WHO positivity rate <5%)
- Transmission rate in Indonesia is still low at 1.36/100.000/week ( WHO standard level 1 community transmission 20 cases/100.000 population.week
- There has been no increase in hospital care or death
- Epidemiological modelling : susceptible person on Java island until June 2022 :10 %



**Level 1 Transmisi Komunitas standar WHO:**

- Kasus: <20 kasus/100rb penduduk /minggu
- Rawat inap: <5 rawat inap/100rb penduduk /minggu
- Kematian: <1 kematian/100rb penduduk/minggu



# NEXT PANDEMIC, WHEN?

● Pandemic-  
Climate Crisis  
-misdiagnosed  
-undetected

● Global Health  
Emergency

● Global Health  
Security

- Investing in  
preparedness

-  
Government  
and society  
approach



# HUMAN RIGHTS-ENVIRONMENT- PANDEMIC/CLIMATE CRISIS

- Safe climate
- Clean water and sanitation
- Clean air
- Healthy and sustainably produced food
- Non-toxic environment
- Waste management
- Healthy ecosystem
- Biodiversity



Reducing the risk of zoonosis and expansion of existing vectors

Fulfill the right to healthy environment

Rethink our interaction with nature

Strengthen environmental rules of law and protect environmental human rights defender

Protect those living in poverty and or subject to discrimination

- 60% infectious disease and 75% emerging of infectious disease in humans are zoonotic
- Human-induced environmental changes (Modify wildlife population structure and reduce biodiversity → host-vector - pathogen)
- Need reconceptualization people and nature
- Prevent future harms from environmental degradation

- Pandemic/crisis response should address inequalities
- focus on protection persons in vulnerable situation (women, children, the poor, minorities, migrants, indigineous people, disabilities)
- NO ONE LEFT BEHIND

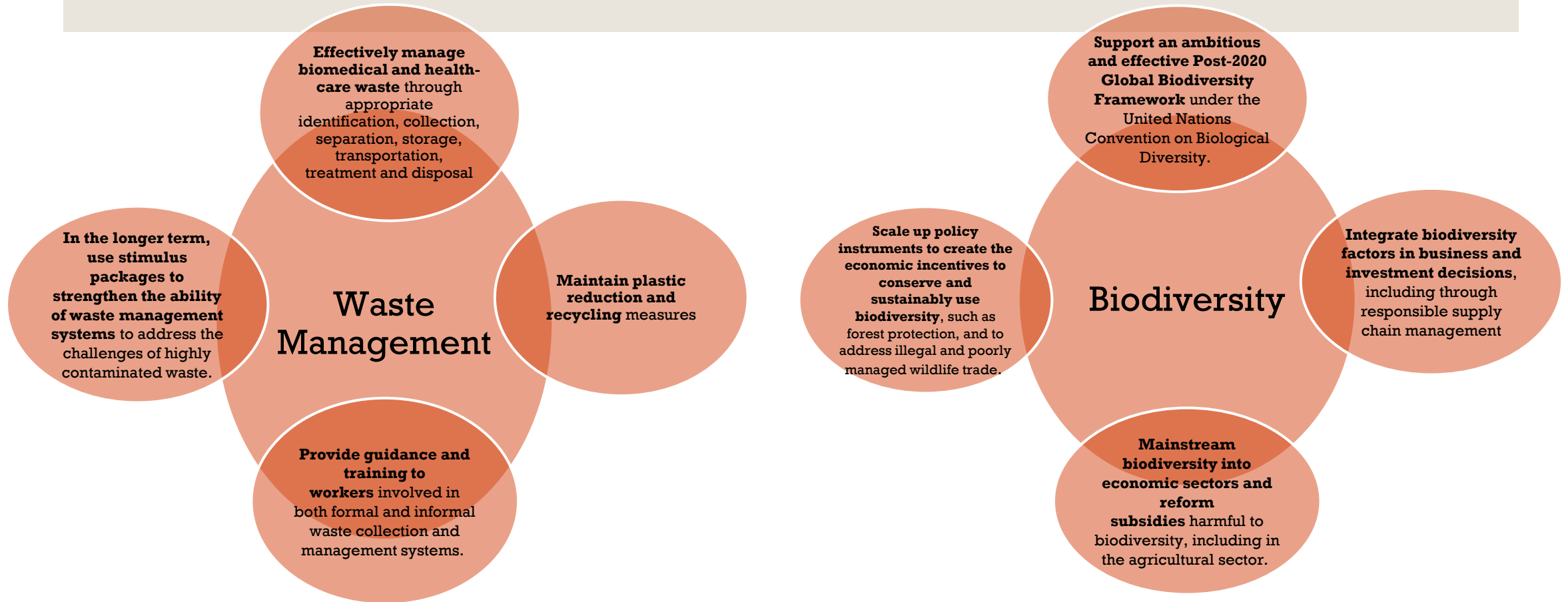


# WHAT POLICY CAN DO?





# WHAT POLICY CAN DO?



# COVID-19 PANDEMIC AND POST COVID-19 PANDEMIC

- Things to be underlined :
  1. Protect against and treat Covid-19
    - Ensure of all ages can get the protection of an effective vaccine
    - Continue vaccination outreach and education efforts , combat misinformation and disinformation
    - Ensure there are enough treatments
    - “Test to Treat” initiative
    - One stop website allows easily find public health guidance based on Covid19 risk in their local area and access tool to protect themselves
    - Increase manufacturing of Covid19 test
    - Prioritized protection for immunocompromised, diasabilities and older adults



# COVID-19 PANDEMIC AND POST COVID-19 PANDEMIC

## 2. Prepare for new variants

- Determine the impact of new variant on our vaccines, treatments, tests, and update tools if needed

## 3. Prevent economic and educational shutdown

- Give school and business guidance to ensure safer school and workplaces

## 4. Continue to lead the effort to vaccinate people and save lives.



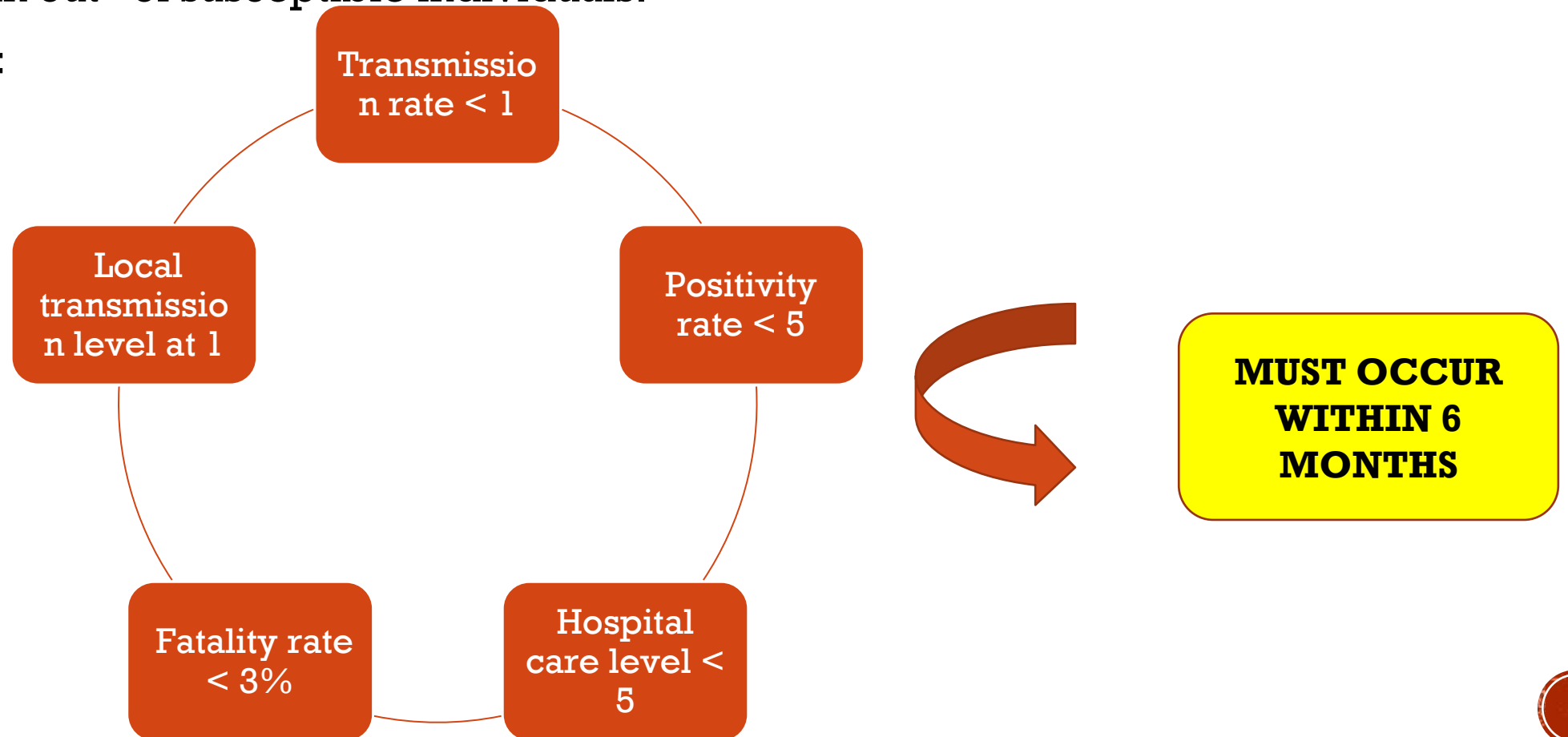
# ISSUES FROM VACCINATION PROGRAM

- Misinformation and disinformation
- Lack of human resources for mass vaccination at secondary health care facilities
- Strengthening roles of primary health care facilities
- Incentives and collaboration program
- Issues of vaccine transportation
- Target of vaccination, how to handle ? (private, corporate, mass and vulnerable )
- Population data



# TRANSITION PANDEMIC TO ENDEMIC ??

- Infectious diseases that are in an epidemic state naturally the choice is to transition to an endemic state, or eradication. This transition occurs because the virus will eventually “run out” of susceptible individuals.
- Prerequisites :



# 10 KEY FACTORS THAT LEAD COVID 19 TO AN ENDEMIC STATE

1. Current vaccines do not eliminate the risk of infection
2. Immunity (both vaccine-induced and from infection) against sars Cov2 is reduced
3. High transmission of Sars Cov2 especially the Omicron variant
4. Current vaccine only reduce viral shedding (process when the body contain viral partuicles then the viruses spread to the environment and transmit it to other people) and does not stop transmission
5. Relatively high mutation rate of Sars Cov2
6. Lack of global coordination for disease elimination steps
7. Presence of animal reservoir
8. Vaccine coverage has not reached levels required to control case growth in the contex of Delta and Omicron.
9. Virus can evolve to escape themselves from existing immunity escape.
10. Sars Cov2 also has several characteristics of other coronaviruses that have evolved to become endemic, suggesting that Sars Cov2 may also experience the same thing.



# Three necessary climate solutions that will create a healthier, safer & more prosperous world:

1. Clean up our energy and electrify everything

Turn off the faucets of heat-trapping pollution.

2. Clean up our atmosphere

Clean up the deadly mess we made in the atmosphere, so our climate can heal.

3. Make our communities & health facilities resilient

Protect people's health and wellbeing from the dangerous impacts of our

Activate Windows  
Go to Settings to activate Windows.

# SUMMARY

- The question of the next pandemic or global health emergency is not IF, but WHEN.
- The coronavirus (COVID-19) pandemic highlights the need for a comprehensive and integrated approach to human health. Enhancing environmental health, limiting people's exposure to hazardous physical, chemical, and biological agents in air, water, soil, food, and other environmental media will reduce their vulnerability to future pandemics, increase their health and well-being, and provide an important complement to public health systems to reach global health security (Promote Green Investment)





# SUMMARY

- We must go where others have not: be innovative; partner to scale; make solutions sustainable. We need a global, independent pandemic prevention system that can serve as the world's best insurance policy against another Covid-19.
- Transition covid19 pandemic through endemic state occurs because the virus will eventually “run out” of susceptible individuals. But, **Continue to Lead the Effort to Vaccinate the World and Save Lives is the right step for us.**
- **The pandemic is not over yet, don't ignore it!**



**THANK YOU**

