



# COVID-19 VACCINES and WORKPLACE VACCINATION PROGRAM

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# Global Perspective

- Around the world there are many vaccines in development
- No single manufacturer has the capacity to supply the global volume required



- A diversified portfolio is needed to create the capacity to scale and ensure demand is met

# Philippine Vaccine Portfolio

Country of Origin	Candidate Vaccine Name	Platform	Clinical Trial Phase	EUA	Dose/Dosing Schedule	Storage Requirement
China	Coronavac/Sino vac	Inactivated SARS-CoV-2	IV	Y	0 + 28 days	2 to 8 degrees
United Kingdom	Astra Zeneca/ Covishield	Non-replicating viral vector	IV	Y	0.5ml 0 + 8-12 wks	2 to 8 degrees
USA	Pfizer/BioNtech	mRNA	IV	Y	0.3ml 0 + 21 days	-80 to -60 degrees
USA	Moderna	mRNA	IV	Y	0.5ml 0 + 28 days	-25 to 15 degrees
Russia	Gamaleya/ Sputnik V	Non replicating viral vector	III	Y	0.5ml 0 + 21 days	-25 to -16 degrees
USA	Janssen	Non replicating viral vector	III	Y	0.5ml 0	-20 degrees



# Government Discretion

- Preserve the healthcare system
- Limit sickness and death
- Promote equity
- COVAX Advanced Market Commitment



# Vaccine Platforms

## mRNA

- contains the genetic sequence (mRNA) for the spike protein which is found on the surface of the SARS-CoV-2 virus, wrapped in a lipid envelope (referred to as a nanoparticle) to enable it to be transported into the cells in the body
- When injected, the mRNA is taken up by the host's cells which translate the genetic information and produce the spike proteins
- These are then displayed on the surface of the cell and stimulates the immune system to produce antibodies and activate T-cells which prepare the immune system to respond to any future exposure to the SARS-CoV-2 virus by binding to and disabling any virus encountered



# Vaccine Platforms

## Non Replicating Viral Vector

- Uses a weakened adenovirus as a carrier to deliver the SARS-CoV-2 antigen
- The genes that encode for the spike protein on the SARS-CoV-2 virus have been inserted into the adenovirus's genetic code to make the vaccine
- When the vaccine is injected, it enters the host's cells which then manufacture the spike protein





# Vaccine Platforms

## Inactivated SARS CoV 2

- composed of dead, or inactivated, viruses and differs from live but attenuated vaccines
- Inactivated vaccines cannot replicate and always require repeated doses for immunity to be achieved; the first dose is the one that prepares the immune system to respond, but a protective immune response does not develop until the second or later doses



# All Inclusive Benefits

- Effective at preventing severe illness and death
- Will prevent the health system from being overwhelmed and keep facilities at optimum capacity
- Will allow for a gradual and safe re-opening of the economy
- Workers:
  - prevent loss of income (frequent absences)
  - prevent pain and suffering as a result of illness
  - prevent anxiety (possible loss of job)
  - avoid expensive health care costs



# All Inclusive Benefits

- Employers
  - prevent transmission of C19 in the workplace
  - avoid payments for work not performed
  - avoid reduction or temporary halt in production
  - prevent increase in administration costs
  - avoid reduction in quality of work
  - avoid negative effects on morale of/among the workers



# Occupational Health and Safety Principles

All workers have rights.

OHS policies must be established.

There is a need for consultation with social partners and other stakeholders.

Prevention and protection must be the aim of OHS programs and policies.

Information is vital for the development and implementation of effective OHS programs and policies.

Health promotion is a central element in OH practice.



# Occupational Health and Safety Principles

OHS services covering all workers should be established.

Compensation, rehabilitation and curative services must be available.

Education and training are vital components of a safe & healthy work environment.

All have OHS responsibilities, duties and obligations.

Policies must be enforced.



# Policies and Legislations

Republic Act 11058

“An Act Strengthening Compliance to Occupational Safety and Health Standards and Providing Penalties for Violations Thereof”

DOH Administrative Order No. 2012-0020

“Guidelines Governing the Occupational Health and Safety of Public Health Workers”

Joint CSC-DOH-DOLE Memorandum Circular No. 1 s. 2020

“Occupational Safety and Health Standards for the Public Sector”



# Workplace Vaccination Program

## Organization and Systems Development

### Presence of Occupational Safety and Health Committee:

Develops policies, plans, and programs on the prevention and control of COVID-19 in the workplace (includes Vaccination program)

Crisis Management Plan (including plans on handling symptomatic employees)

Isolation and Evacuation Plan

Surveillance and Contact Tracing Plan

Testing, Referral and, Monitoring and Reporting Plan

Risk Communication Policy/Plan (including establishment policies, decorum and work arrangements)

Capacity Building Plan

Implements and Monitors the policies/plans/programs



# Workplace Vaccination Program

- Coordinated with the DOH and must be aligned with the Philippine National Vaccine Deployment Program
- Consultation among management, HR, and employees
- Not mandatory but voluntary
- Provide as much information to employees
- Encourage vaccination through workplace health promotion and education





# Workplace Vaccination Program

- Build vaccine confidence
- Consider location: on-site or off-site ventilated and with enough space
- Be flexible to accommodate employees with alternative work schedule
- Come up with a masterlist and assign according to priority listing



# KEY MESSAGES

- Vaccines are integral to and remains an important tool in public health especially in response to an epidemic/pandemic
- It prevents severe illness and deaths
- Preserve the health care system
- However, it has limitations
- We can rely on the practice of the Minimum Public Health Standards in the community and workplace settings
- Implement Prevent, Detect, Isolate, Treat, Reintegrate strategies in the workplace



**Maraming Salamat po!**

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