

The ACHealth logo, featuring a stylized 'X' symbol in blue and grey, followed by the text 'ACHealth' in a large, bold, grey sans-serif font, and 'An Ayala Company' in a smaller, grey sans-serif font below it.

ACHealth

An Ayala Company

Livable Cities Lab: Getting Ready for Vaccines

24 February 2021

Via Zoon

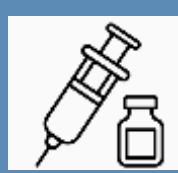
Agenda

- 1 National Vaccination Program
- 2 Ayala Vaccination Program

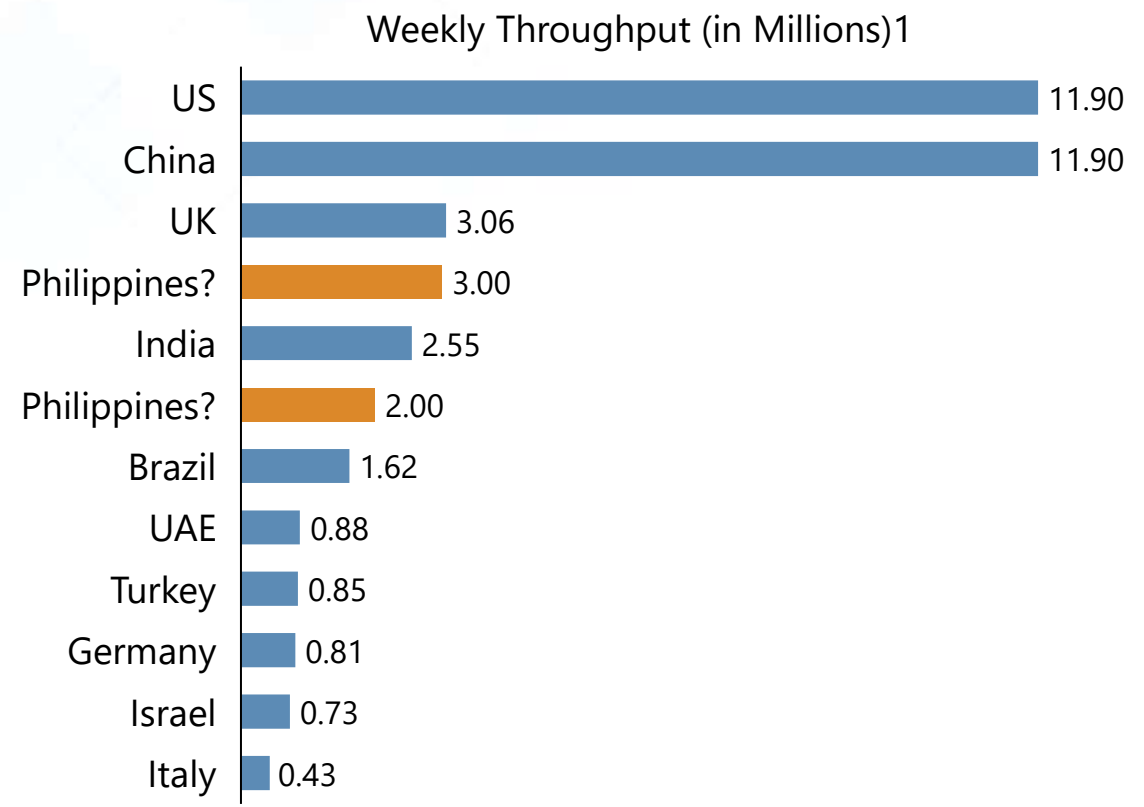
Successful mass vaccination in the Philippines will require unprecedented scale and speed

- Objectives:**
- **Reduce morbidity and mortality** from COVID-19 by substantially controlling transmission
 - **Maintain most critical essential services** and **minimize disruption** of economic, social, and security activities

**500,000
Jabs
per
Day**



Steady state throughput needed by June to inoculate **50M+ Filipinos** by **End of Year 2020**



Public-private partnership in planning and execution is critical to achieve vaccination program objectives

Imperatives of Execution



Keep strong bias for quick scalability

Practical processes to promote and accelerate flow-through



Avoid bottlenecks at all costs

Process design to avoid single points of failure and create parallel streams



Provide release valves for fringe cases

Flexibility in execution and communications to maintain speed and scale



Fully leverage Private Partners

Through complementary deployment of assets, expertise, people, financial strength

Benefits of Public-Private Partnership



Accelerated execution

Delivering larger throughput with parallel administration efforts



Reduced financial burden

On program investments and operating costs



More lives saved

By combining vaccine capabilities and efforts

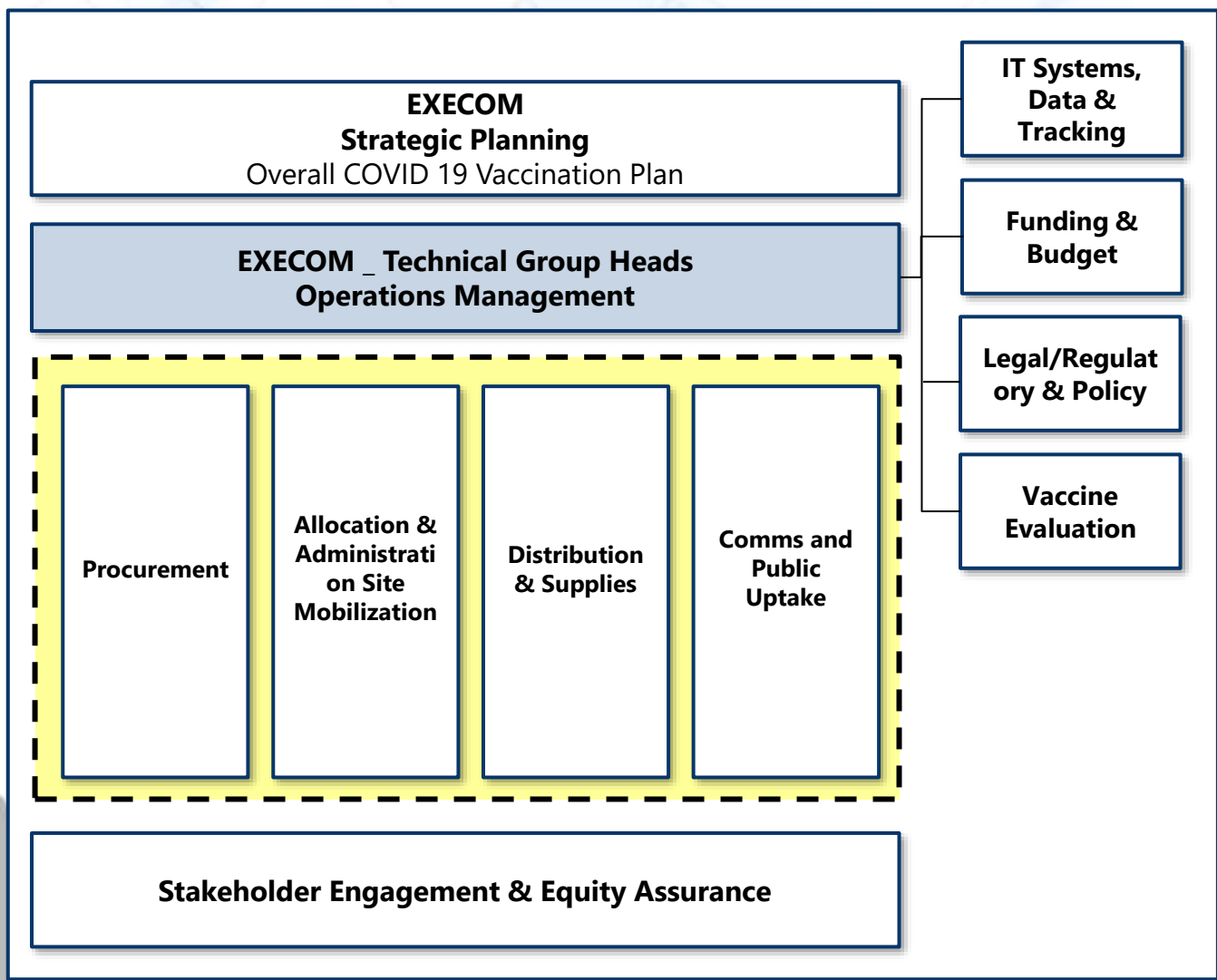


Faster recovery of economic forces

To build confidence and spur national rebound

The Ayala Group and other private sector partners have been supporting the National Vaccine Deployment Program across various workstreams

Philippine Vaccine Plan Workstreams



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- 2 Ayala Vaccination Program

AC Health has adapted the principles and guidelines of the NDVP in designing the Ayala Vaccine and Immunization Program (AVIP)

ACHealth COVID-19 Vaccination Program



SUPPLY

- Procurement
- Inventory management
- Logistics

SCHEDULE

- Masterlisting
- Appointment setting
- Pre-screening

SHOTS

- Screening and Triage
- Administration
- Post-vaccine monitoring

SURVEILLANCE

- Patient records
- AEFI monitoring
- Vaccination passports
- Analytics



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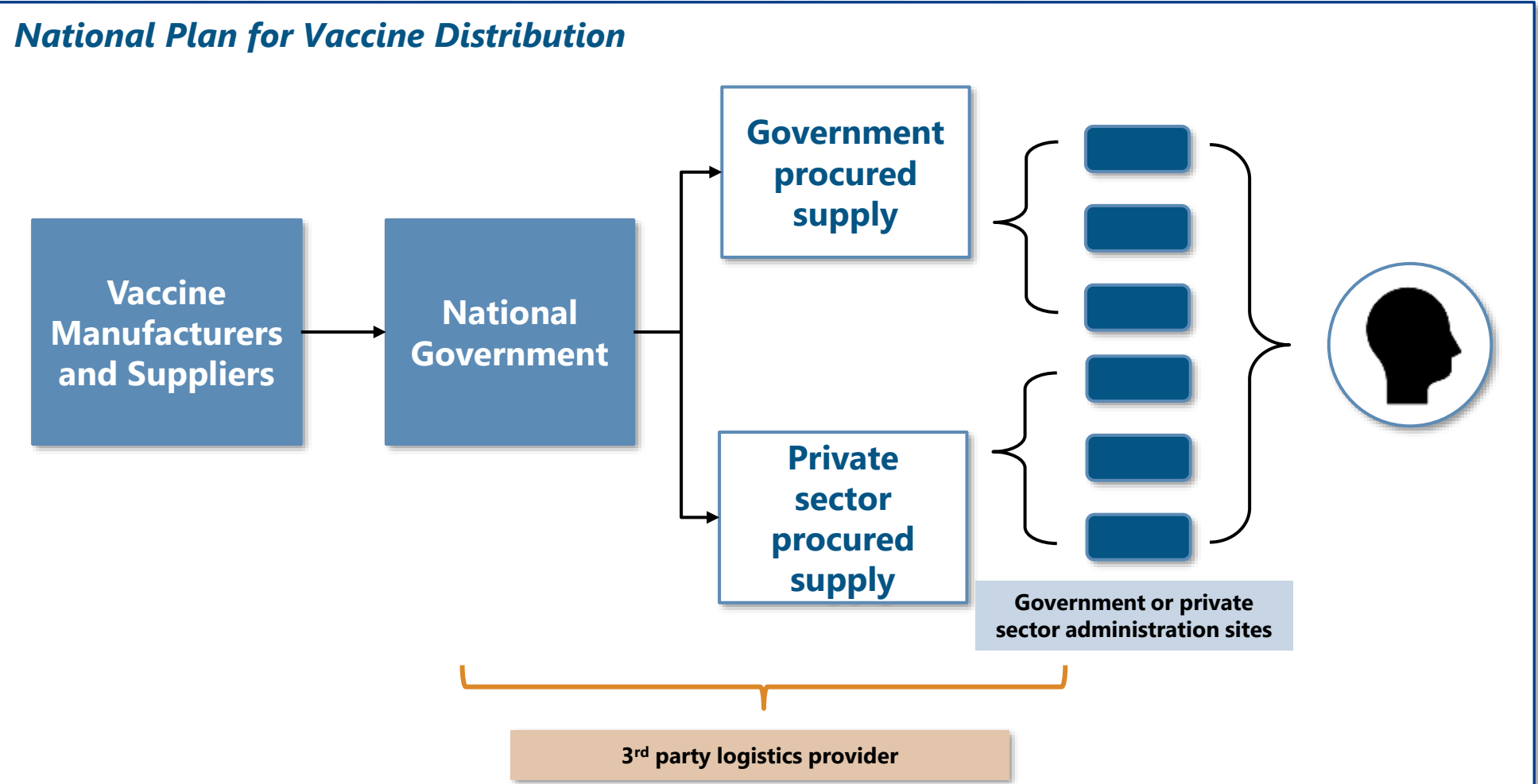
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We are coordinating with national government agencies and local government units in the procurement and logistics of vaccines supply



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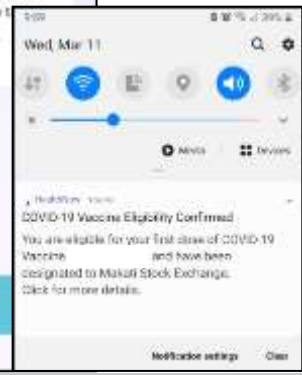
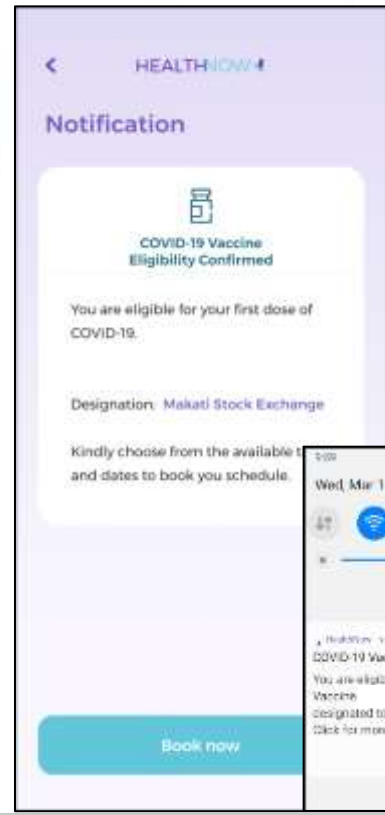
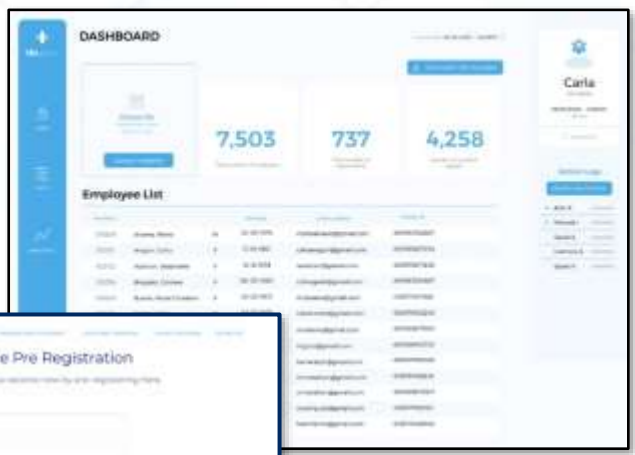
HealthNow serves as our platform for masterlisting, prioritization, screening, and scheduling, aligned with government standards and systems

HEALTHNOW +



Vaccine Information Management System

For Illustrative Purposes Only



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Vaccine administration will be offered through the AC Health network, leveraging assets of the Ayala Group

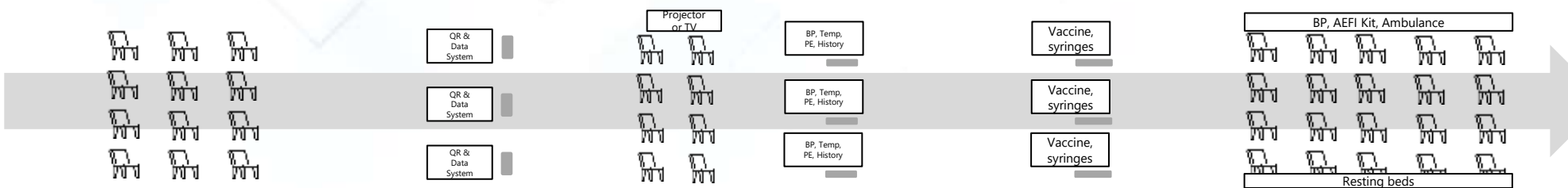
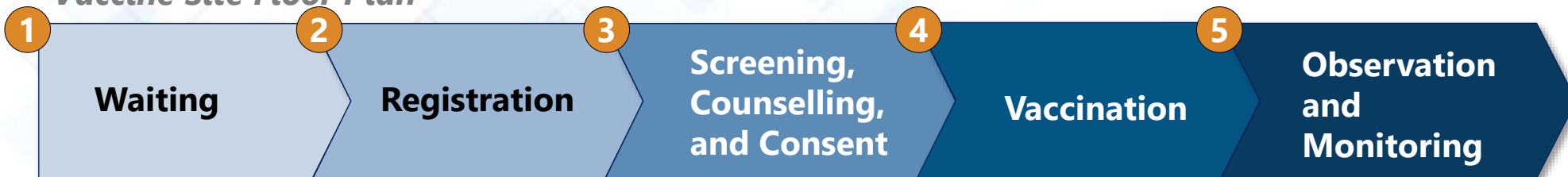


Intended Operations	
Operating Days	Mon-Sat
Operating Hours	8 hours/day
Number of people/day	100 – 150 pax
Vaccination Team	6-8 physicians, nurses, and auxiliary staff



The administration patient journey is designed to ensure convenience, safety and efficiency consistent with DOH and LGU guidelines

Vaccine Site Floor Plan



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HealthNow will maintain patient records, produce vaccination passports, report post-vaccinations reactions and perform data analytics

Patient Records



- Vaccination **progress reports**
- Event management **summaries**

AEFI Monitoring



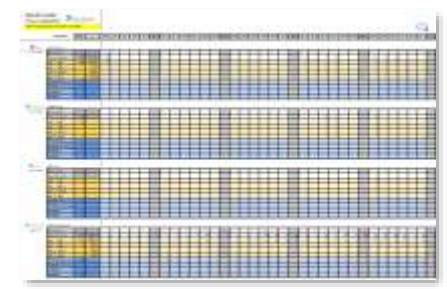
- **24/7 Hotline** for employees to seek guidance in case of any side effects
- **Proactive surveillance** to check-in on employees on a rotational basis over a 1 year period
- Link to **global database of Adverse Events** (Vigibase/Vigiflow)

Vaccination Passports



- Vaccination **progress reports**
- Event management **summaries**
- Vaccination certificates

Analytics



- Population health Data Analytics
- Corporate vaccination records

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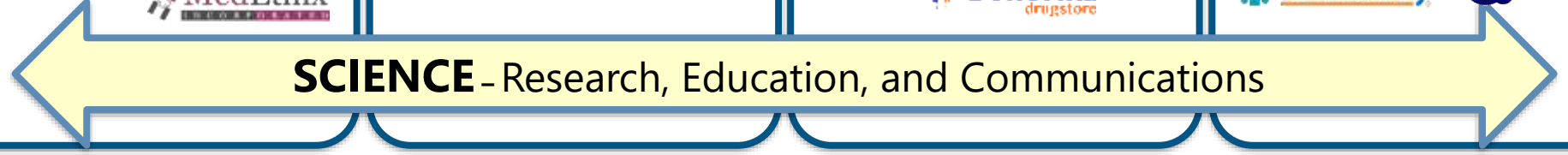
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SCIENCE - Research, Education, and Communications

AC Health has been proactively educating Ayala constituents on vaccines and vaccination to build confidence and trust in the AVIP and NVDP

AVIP ORIENTATION
FEB 5 / 1:30 - 2:30 PM / ZOOM

Will I infect my child if I have the vaccine and he doesn't?
How effective is the vaccine?
Is it mandatory?
Is the vaccine safe?

We heard you!
We invited AC Health to help us answer questions regarding the Ayala Vaccine and Immunization Program

Zoom Webinar Link to Follow

WEBINAR: COVID-19 VACCINES AND AYALA VACCINE & IMMUNIZATION PROGRAM (AVIP)

Together, let us learn more about the COVID-19 Vaccines available and Ayala's Vaccine and Immunization Program (AVIP) from our partners in AC Health.

TOPICS

- COVID-19 Vaccines
- Ayala Vaccination & Immunization Program (AVIP)
- AVIP Survey/Ordering Procedures

GUEST SPEAKERS

- Dr. Nikki Bautista & Dicky Alejandro, AC Health
- Cina Estal, ISPI Chief Human Resources Officer

VIEWING OPTIONS

- Live via @BPIHealth FB Page on Feb. 5, 2021, Wednesday, 12:00-1:00 PM
- Recorded via @BPIHealth FB Page & YouTube LINK TBA!

BE WELL

VACCINE 101
Vaccines will usher in a turning point in our battle against COVID-19 – they work by stimulating our immune response to protect against illness

How do vaccines work?

- A vaccine trains the body to generate an immune response that will protect the body if and when a person gets infected
- It **mimics the natural infection** without causing the person to become sick

GLOBAL VACCINE SITUATION
While there is supply/demand imbalance in the near term, the situation will stabilize eventually

Estimated Demand and Supply for COVID-19 Vaccines in Billions of Doses

Manufacturer	Est. Annual Capacity (2021)	Est. Annual Capacity (2022)
Moderna	1.2Bn	1.8Bn
AstraZeneca	1.4Bn	2.1Bn
Pfizer/BioNTech	1Bn	1.5Bn
Other	~1.0Bn	~1.5Bn

Global Supply vs Global Demand

Global Supply (Billions) vs Global Demand (Billions) from 2020 to 2022. The graph shows a significant supply gap in 2021 that narrows by 2022.

5.4Bn doses needed to herd to essential workers, people in risk, and those with comorbidities (20% of population)*

Est. annual demand of 15.0Bn doses for full population coverage**

Est. annual capacity of 20Bn doses by 2022 (15Bn doses from those currently in clinical phase)

Why do we need to get vaccinated?
By getting vaccinated, you lower your risk of getting a mild and severe form of COVID. This also protects the people close to you – your family, friends and the community you are exposed to, as it lessens the risk of exposure to them. Consequently, this lowers the number of people needing hospitalization for COVID and unloads the burden experienced by the healthcare system.

How long will the COVID-19 vaccines work? Are booster doses required?
Since these vaccines were only clinically tested in 2020, there is still no available evidence as to how long these vaccines can protect. Because of this, there are no specific recommendations on booster doses yet.

Reduce Transmission

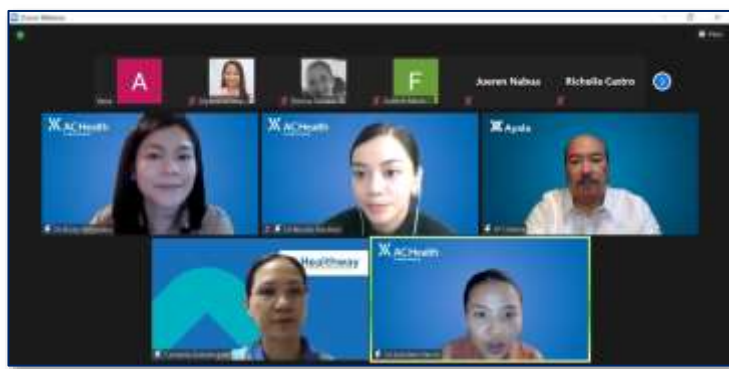
- Wear a mask and use shield at all times
- Wash hands with soap and water or alcohol
- Practice social distancing

Reduce Contact Rate

- Avoid 3C – crowded places, close-contact settings, closed spaces
- Limit visitors at home
- Avoid indoor events
- If unavoidable, increase indoor ventilation – open windows and doors, use fans, use HEPA filter

Reduce Duration of Infection

- Early identification and isolation
- Quarantine
- Isolation
- Tracing
- Testing
- Repatriation



Improving Healthcare for All