



WORKSHOP 9: BUILDING AND SUSTAINING UPTAKE CASE STUDY: THE PHILIPPINES



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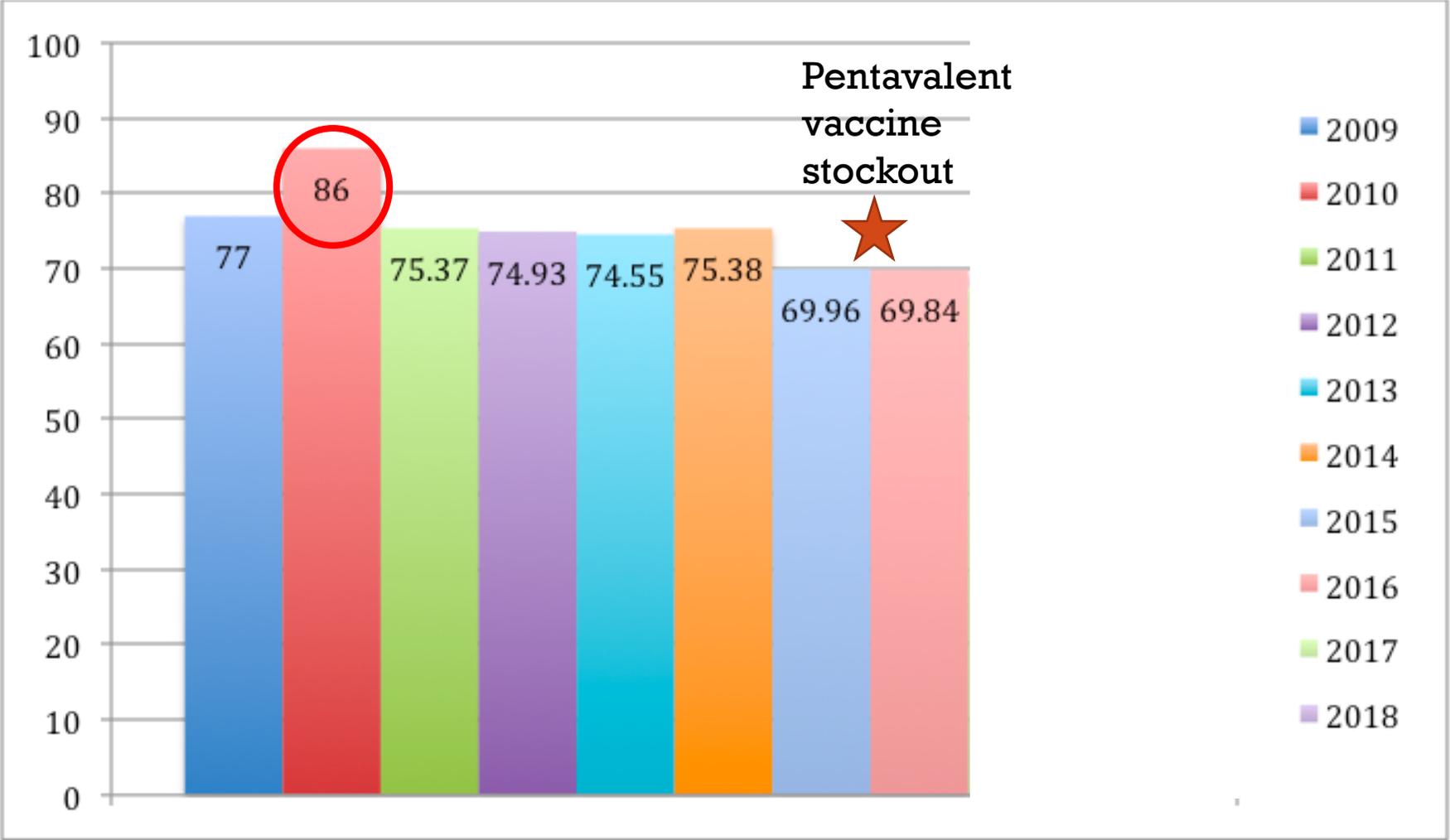
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KEY QUESTIONS

- **WHY** was there a loss of vaccine confidence in the Philippines?
- **WHAT** were the consequences of this confidence crisis?
- **HOW** was this issue addressed?



FIC RATES HAVE BEEN DECLINING OVER TIME



Source: Philippines Department of Health



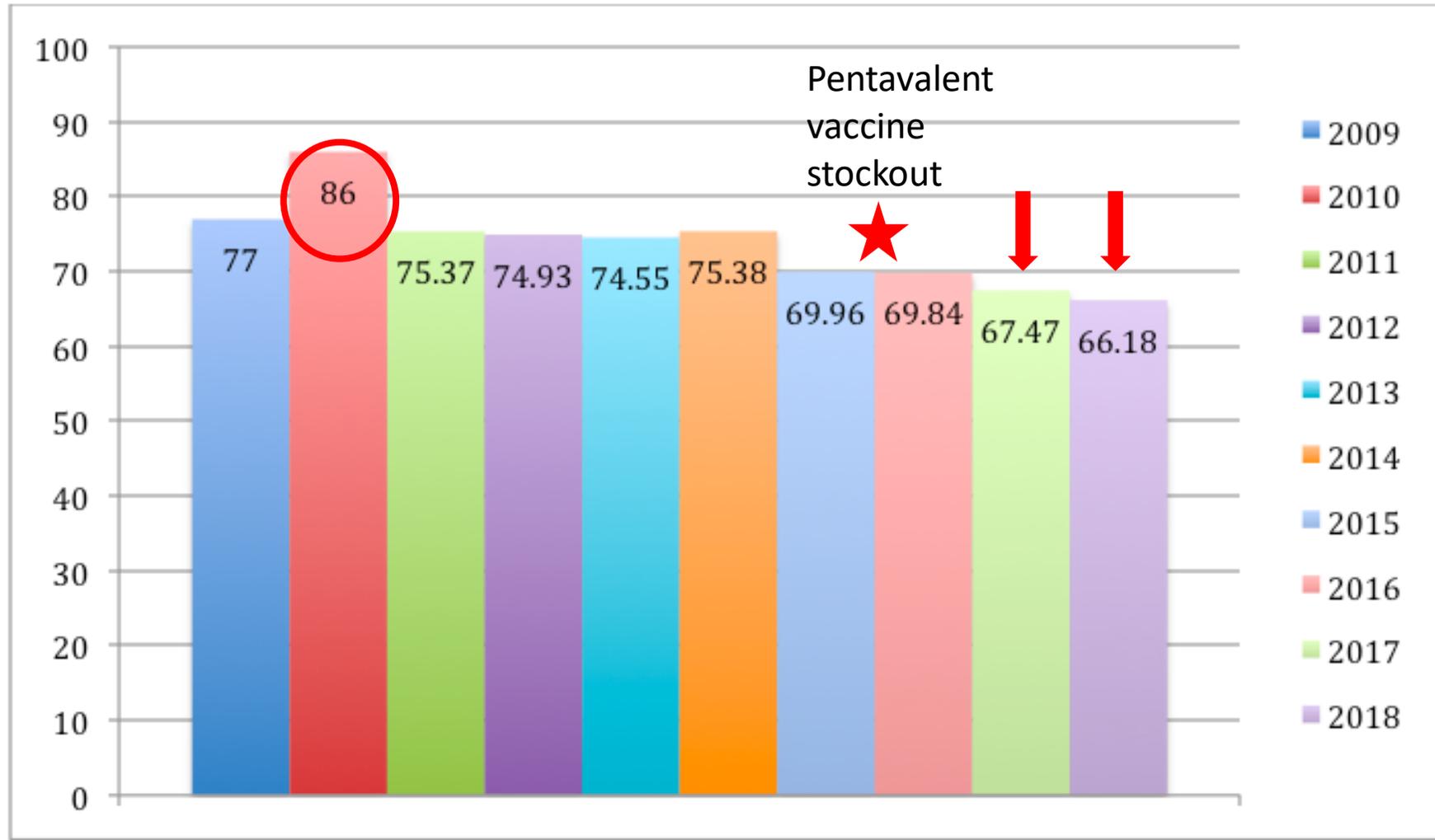
REASONS FOR DECLINING IMMUNIZATION COVERAGE

Lack of accountability and communication within the system remains the fundamental issue

- Flow of information between the DoH and LGUs is weak
 - Distribution of vaccines meant to be a pull system based on local government requests, but a lack / mistrust of available data has defaulted it into a push system
- Other problems: global shortages (pentavalent) and supply chain issues (new distribution contractor)



FIC rates have been declining Over time



Source: Philippines Department of Health

**World's first dengue vaccine
now available in Philippines**



**Sanofi: World's First Public
Dengue Immunization
Program Starts in the
Philippines**

- 1 million students from 6,000 public schools to begin dengue vaccinations this year -*
- Launch in the Philippines represents strong endorsement of new model to get innovative new vaccines faster to populations at greatest risk -*

Timeline of Key Events: Dengue Vaccine Controversy

December, 2015

Dengvaxia®

Dengue Vaccine
[Dengvaxia®]
registered in
Philippines

April, 2016

**Vaccinations
Begin**

School based
vaccination program
launched in the
Philippines – 830,000
vaccinated.

2016

- Mar: FB video: Is Dengvaxia safe?
- MAY PRESIDENTIAL ELECTIONS
- July: Suspension of school-based dengue immunization program
- Sep: Vaccination program resumes
- Oct: Congressional probe on “anomalous purchase”
- Dec: Senate probes vaccine purchase

Timeline of Key Events: Dengue Vaccine Controversy

December, 2015	March, 2016	April, 2016	November, 2017
<p>Dengvaxia®</p> <p>Dengue Vaccine [Dengvaxia®] registered in Philippines</p>	<p>Drug Expert hesitancy</p> <p>Hesitation about Dengvaxia are vocalized by scientists, medical health professionals and researchers.</p>	<p>Vaccinations Begin</p> <p>School based vaccination program launched in the Philippines – 830,000 vaccinated.</p>	<p>Vaccinations Suspended</p> <p>Dengue vaccination in Philippines officially suspended following Sanofi's announcement about seronegative subjects.</p>

2017

- **04 Dec: Justice Department orders the National Bureau of Investigation to look into the dengue vaccination program**
- 05 Dec: PhilFDA suspends sale and distribution of Dengvaxia.
- 07 Dec: Health Department returns unused doses, asks for refund of PhP 3.5B
- **11Dec: House and Senate again investigates dengue vaccination program**
- **14 Dec: Former Pres Aquino, under whose administration the deal was approved, attends the Senate hearing on the vaccine program**

Timeline of Key Events: Dengue Vaccine Controversy

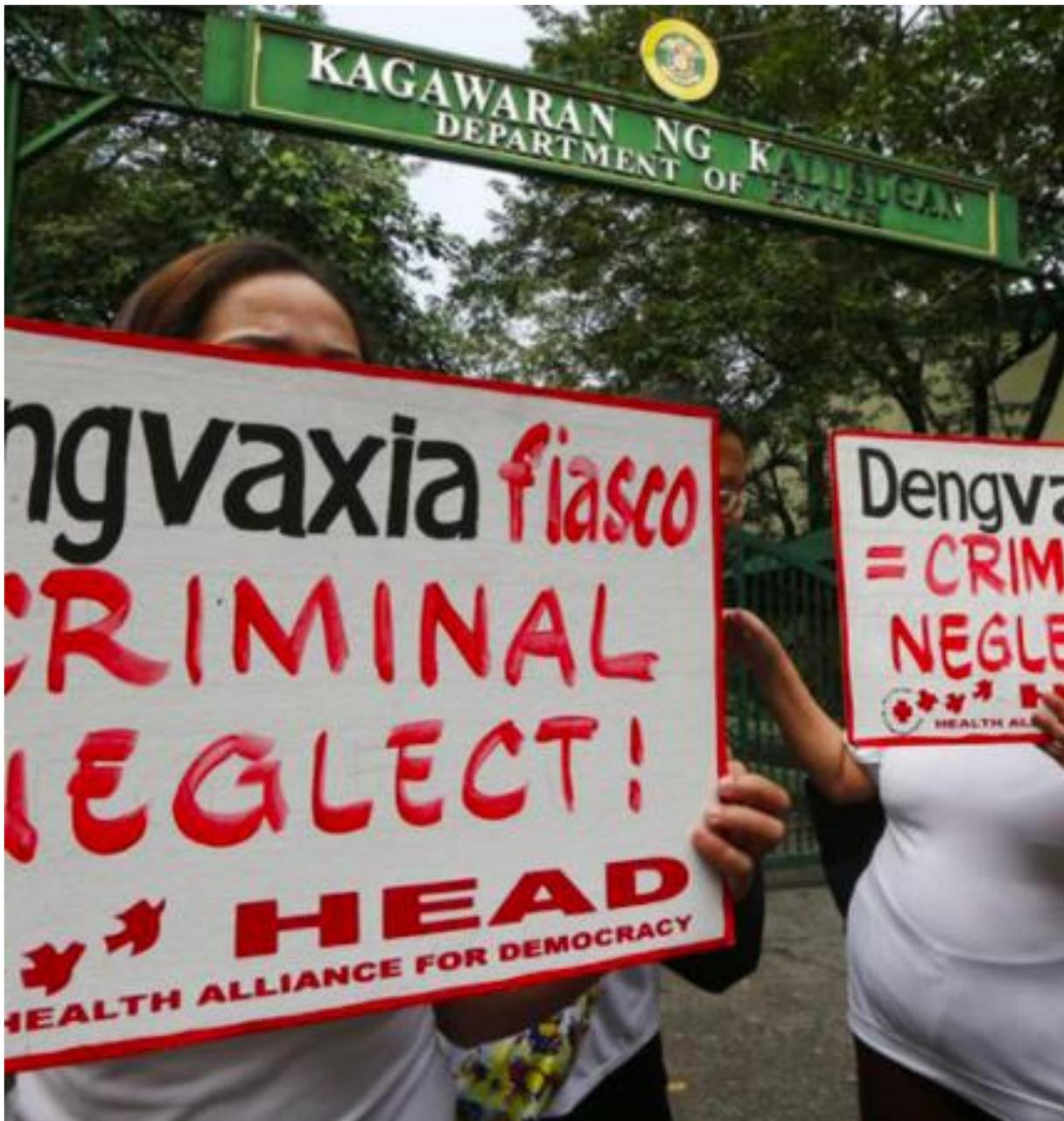
January, 2018

Loss of trust

DoH issued guidelines on case management, surveillance of AEFI related to Dengvaxia
Senate hearing on Dengvaxia, High media attention eroding public trust.

2018

- 10 Jan: The Public Attorney's Office (PAO) conducts an autopsy on five vaccinated children who died
- 11 Jan: Some parents in Zamboanga refuse the DOH's deworming program due to the Dengvaxia scare.
- 02 Feb: UP-PGH experts' panel report is released: no direct link between the deaths and the vaccine
- PAO files a civil case against Garin, former Undersecretary Kenneth Go, and other health officials of implementing the program in undue haste even if "the product has no proven safety and efficacy."





Dramatic drop in public confidence after Philippines dengue vaccine controversy

12 October 2018



- 1,500 participants were re-surveyed in 2018 to analyze the Philippines' confidence data against 2015 data for the country
- Vaccine **safety**: four-fold drop in confidence from 82% strongly agreeing that vaccines are safe in 2015 to only 21% in 2018
- Confidence in the **effectiveness** of vaccines dropped from 82% in 2015 to 22% in 2018

Key Questions

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Measles outbreak declared 07 Feb 2019



Measles Cases in the Philippines
2019



Measles Cases in the Philippines
2018

- 01 Jan -18 Feb 2019: 266% increase compared with the same time period in 2018
- 70,000 cases, 841 deaths



Healthy
Pilipinas



World Health
Organization
Representative Office
for the Philippines

unicef



for every child

Dengue outbreak declared 07 August 2019



146,062 CAS
622 DE
(from January 1 - Ju



Republic of the Philippines
Department of Health
Kagawaran ng Kalusugan



Dengue Surveillance Report

Epidemiology Bureau
Public Health Surveillance Division

Date of Report: September 13, 2019
Inclusive Date: January 1 – August 31, 2019 (MW 35)

A. Reported Dengue Cases for MW35 (August 25 to August 31, 2019)

- As of September 13, there were **12,526 reported dengue cases** for August 25 to 31, 2019 (MW35). This is **52% higher** compared to the same time period in 2018 (n=8,254). There were 41 deaths reported for this MW alone, giving a **CFR of 0.33%** (Table 1).

Table 1. Cumulative Reported Dengue Cases by Region
January 1- August 31, 2019 vs January 1- August 31, 2018

Region	2019				2018					
	Cases reported for Morbidity Week (MW) 35	Number of Deaths reported for MW 35 (CFR)	Cumulative Number of Cases reported	Cumulative Number of deaths reported	Cases reported for Morbidity Week (MW) 35	Number of Deaths reported for MW 35 (CFR)	Cumulative Number of Cases reported	Cumulative Number of deaths reported		
	August 25 to 31, 2019	August 25 to 31, 2019	January 1 to August 31, 2019	January 1 to August 31, 2019	August 25 to 31, 2018	August 25 to 31, 2018	January 1 to August 31, 2018	January 1 to August 31, 2018		
PHILIPPINES	12,526	41	0.33	271,480	1,107	8,254	33	0.40	127,478	655

CALABARZON
16,515 cases

REGION 6
23,330 cases

REGION 9
12,317 cases

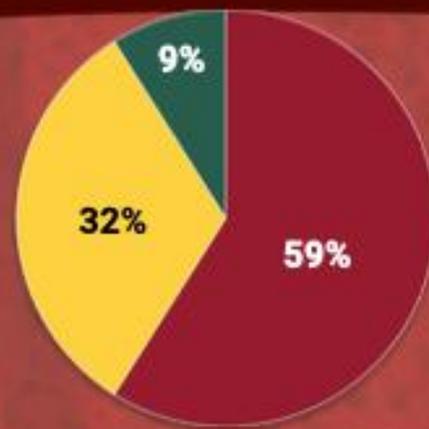
REGION 12
11,083 cases



Data Source: DOH Surveillance Reports

Since 01 Jan 2019:
292 076 total cumulative cases, CFR 0.25

Poliovirus Re-infection Risk Assessment Result in 2018

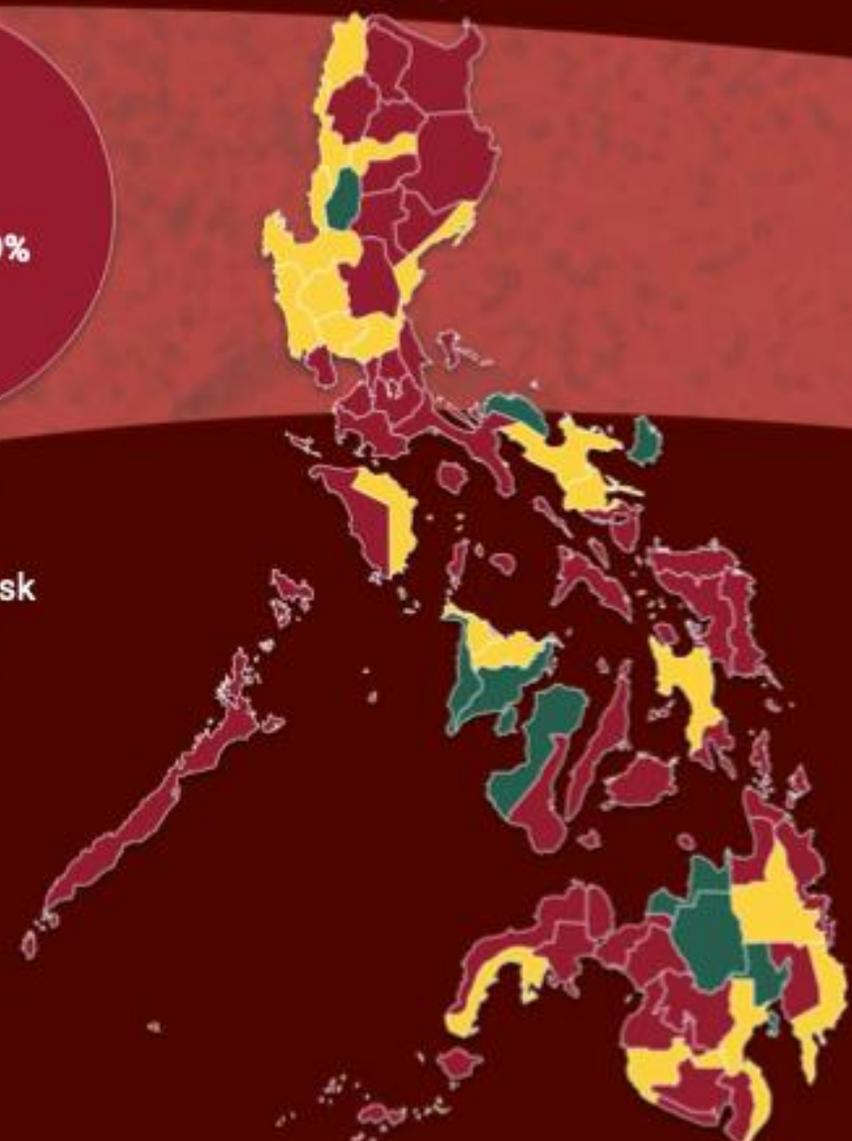


Philippines is **HIGH RISK.**

- WHO WPRO RCC

Criteria:

- AFP Surveillance Performance
- OPV Immunization Coverage
- OPV SIA Coverage
- Environmental Risks (Sanitation)



Healthy
Pilipinas



World Health
Organization

Representative Office
for the Philippines

unicef



for every child

Polio Infection in the Philippines (N=25)

September 2019 - September 5, 2020

POLIO CASES (N=16)



FETP Outbreak Investigation

Healthy Children Stool Survey

Contact Sampling

FETP Outbreak Investigation

Contact Sampling

3 y/o
Oroqueta City, Misamis Occidental

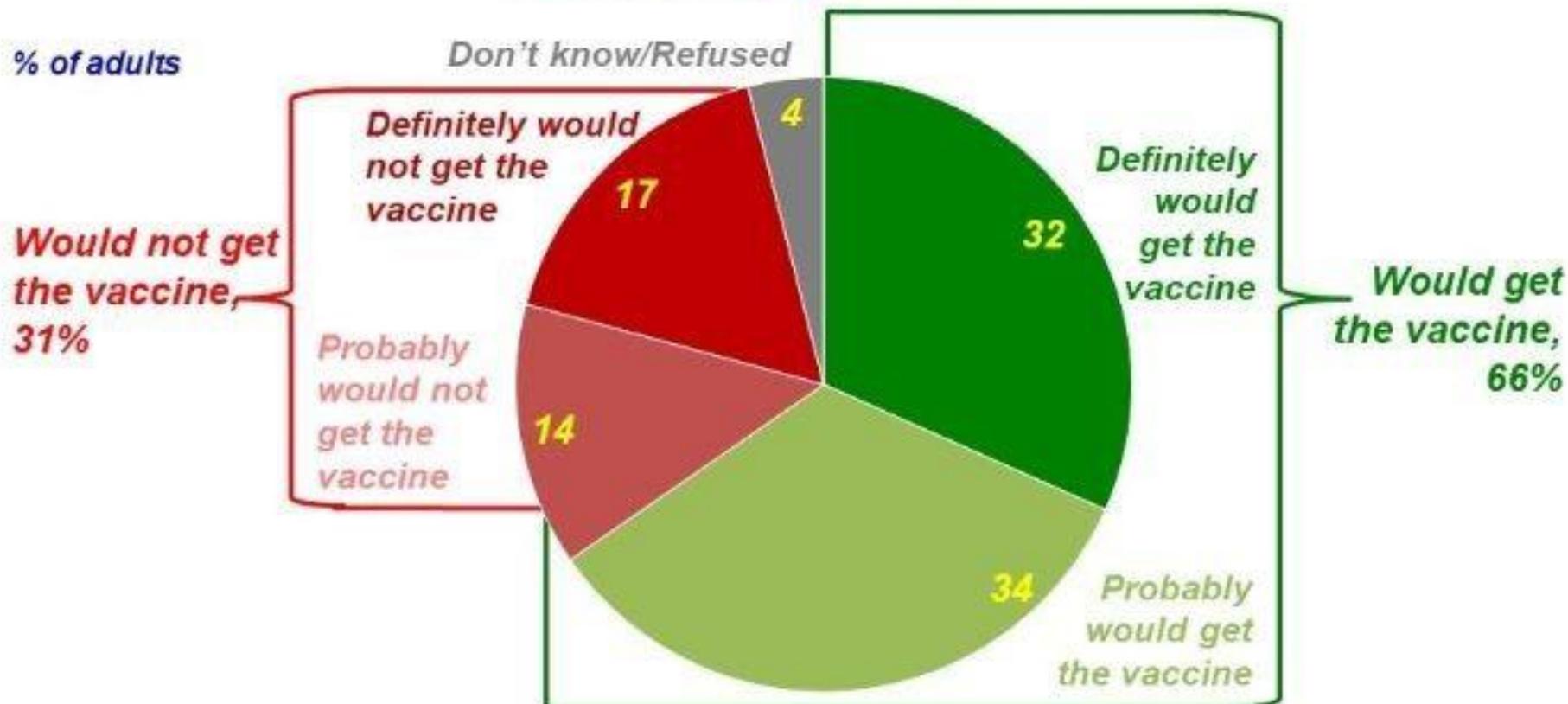
Polio outbreak declared 19 Sep 2019



LEGEND



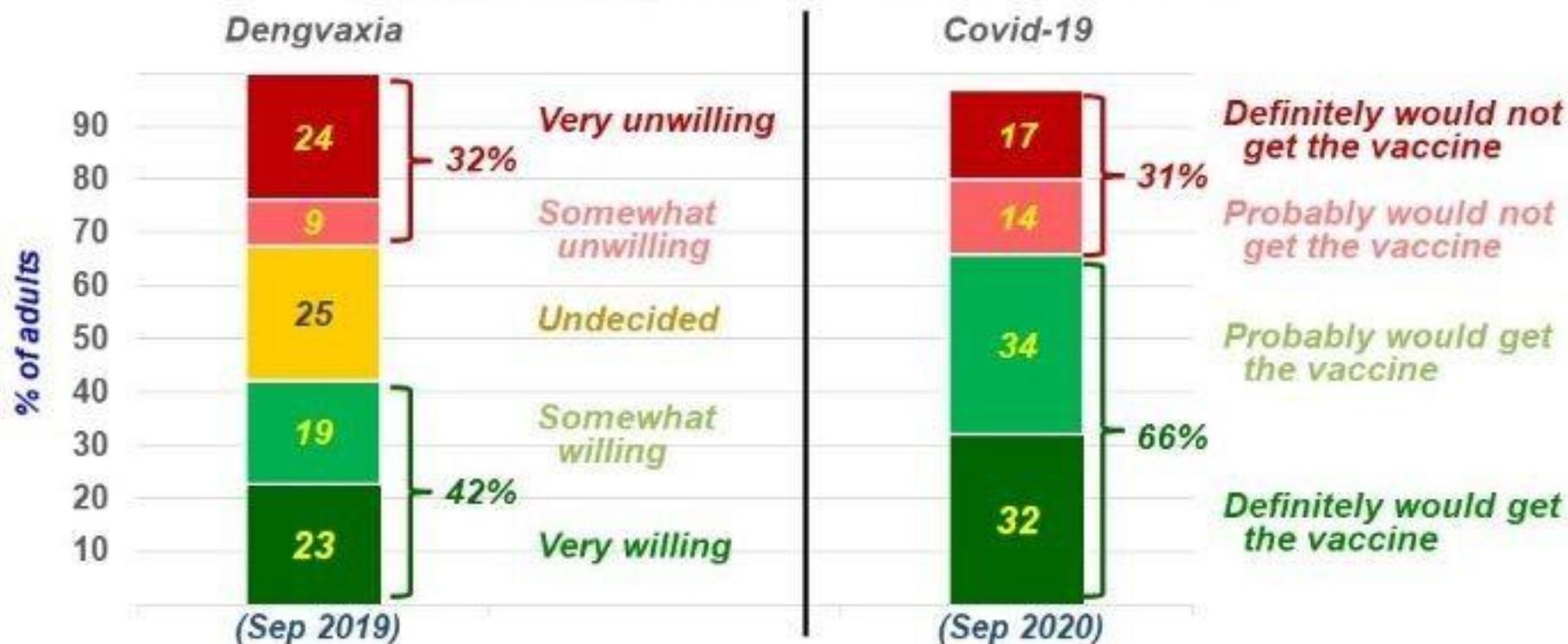
WILLINGNESS TO GET THE COVID-19 VACCINE, PHILIPPINES, SEP 2020



Note: Figures are correctly rounded.

Q21. Kung mayroong bakunang makakapigil sa COVID-19 sa ngayon, kayo ba ay...Talagang magpapabakuna, Malamang magpapabakuna, Malamang na hindi magpapabakuna, Talagang hindi magpapabakuna? [If a vaccine to prevent COVID-19 were available today, would you (Read out: Definitely get the vaccine, Probably get the vaccine, Probably not get the vaccine, Definitely not get the vaccine)?]

WILLINGNESS TO GET THE VACCINE: COMPARISON OF DENGVAXIA AND COVID-19 VACCINES, PHILIPPINES, SEP 2019 AND SEP 2020



Note: Blank spaces are Don't Know and non-responses. Figures are correctly rounded.

Sep 2019: (Base: 38% who either agreed or were undecided that the sale of Dengvaxia should be allowed in the Philippines)
 Kayo po ba ay PAYAG o HINDI PAYAG na mabakunahan ng Dengvaxia ang kahit na sinong miyembro ng inyong pamilya?
 (Talagang payag, Medyo payag, Hindi tiyak kung payag o hindi payag, Medyo hindi payag, Talagang hindi payag)

Sep 2020: Kung mayroong bakunang makakapigil sa COVID-19 sa ngayon, kayo ba ay... Talagang magpapabakuna,
 Malamang magpapabakuna, Malamang na hindi magpapabakuna, Talagang hindi magpapabakuna?



KEY QUESTIONS

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VACCINE
CONFIDENCE
PROJECT™

FW Period	Vaccines are important for children to have	Overall, I think vaccines are safe	Overall, I think vaccines are effective	Vaccines are compatible with my religious beliefs
Oct-15	92	83	81	61
Mar-18	32	21	22	21

STRONGLY AGREE

Philippines Vaccine Confidence 'Strongly Agree' Summary

100
90
80
70
60
50
40
30
20
10
0

■ Oct-15 ■ Mar-18 ■ Dec-18 ■ Mar-19 ■ Aug-19 ■ Nov-19

Multiplying champions with Medical and Allied Health Professionals Associations

Accomplishments

- ✓ **Town Hall with Doctors (in partnership with PMA) (14 Jan)**
→ Attended by 600-700 participants, livestreamed on DOH FB
- ✓ **Town Hall with Nurses (in partnership with PNA) (16 Jan)**
→ Attended by 700-800 participants, livestreamed on DOH FB
- ✓ **Town Hall with Pharmacists (in partnership with PPHA) (23 Jan)**
→ Attended by 800-900 participants, livestreamed on DOH FB
- ✓ **Town Hall with Midwives (in partnership with IMA) (30 Jan)**
→ Attended by >800 participants, livestreamed on DOH FB

Upcoming Activities

- ▶ **Town Hall with Confederation of Health Professional Societies**
→ Includes doctors, nurses, midwives, med tech, rad techs, etc.

******Regional town halls ongoing spearheaded by national organizations***



How likely are you to get the COVID Vaccine if available, with safety and effectiveness comparable to other common vaccines , and with FDA approval for public use?

	Town Hall with PMA (14 Jan 2021)	Town Hall with PNA (16 Jan 2021)	Town Hall with Pharmacists (23 Jan 2021)	Town Hall with Midwives (30 Jan 2021)
	Entry Poll (N=301)	Entry Poll (N=298)	Entry Poll (N=534)	Entry Poll (N=298)
Highly Likely	84%	67%	58%	<u>47%</u>
Not Likely	2%	4%	10%	<u>15%</u>
Not Sure	17%	29%	33%	<u>38%</u>



How likely are you to get the COVID Vaccine if available, with safety and effectiveness comparable to other common vaccines, and with FDA approval for public use?

	Town Hall with PMA (14 Jan 2021)		Town Hall with PNA (16 Jan 2021)		Town Hall with Pharmacists (23 Jan 2021)		Town Hall with Midwives (30 Jan 2021)	
	Entry Poll (N=301)	Exit Poll (N=293)	Entry Poll (N=298)	Exit Poll (N=314)	Entry Poll (N=534)	Exit Poll (N=723)	Entry Poll (N=492)	Exit Poll (N=492)
Highly Likely	84%	<u>94%</u>	67%	<u>83%</u>	58%	<u>88%</u>	<u>47%</u>	<u>75%</u>
Not Likely	2%	<u>1%</u>	4%	<u>4%</u>	10%	<u>3%</u>	<u>15%</u>	<u>5%</u>
Not Sure	17%	<u>7%</u>	29%	<u>13%</u>	33%	<u>9%</u>	<u>38%</u>	<u>20%</u>

Town halls are effective ways of encouraging medical and allied health professionals to get vaccinated.





KAYANATIN'TO

HEALTHCARE PROFESSIONALS ALLIANCE AGAINST COVID-19
HPAAC.ORG.PH



Healthcare Professionals Alliance Against Covid-19

@hpaac.org.ph · Medical & Health

 Send Message

Phase 1 (Volunteers)
Phase 2 (Small Trials)
Phase 3 (Large Trials)

Preliminary data

Final data

Phase 4 (Post Market Surveillance)

RESEARCH. AND DEVELOPMENT

CORE AGENCIES

Vaccine Expert Panel (VEP)

Safe ba ang bakuna?
Mabisa ba ito?



Food and Drug Administration (FDA)



Health Technology Assessment Council (HTAC)

Sulit ba ang halaga?
Walang salungat na interes?



Department of Health

National Immunization Technical Advisory Group (NITAG)

Makatarungan ba ang distribusyon?

Local Government Units (LGU)

National Adverse Events. Following Immunization Committee (NAEFIC)

CORE PROCESSES

Emergency Use Authorization (EUA)

Certificate of Product Registration (CPR)

“positive recommendation”

Procurement
Storage and Delivery
Transport

Distribution

Monitoring

SUPPORT GROUPS

Expert Groups

Professional Societies

Civil Society Groups

IATF Vaccine Cluster

TG Vaccine Evaluation & Selection

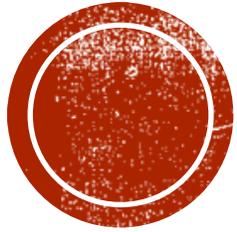
TG Diplomatic Engagement & Negotiation

TG Procurement & Finance

TG Vaccine Cold Chain & Logistics Management

TG Demand Generation & Communications

TG COVID-19 Immunization Program



“We cannot wait until pandemics strike, but make trust-building an ongoing effort, preparing the ground for the next ‘big one’, when trust and cooperation will be key to containing the spread of disease and mitigating its health and societal impacts.”

Prof Heidi Larson



Salamat
po.

TIMELINE OF KEY EVENTS: DENGUE VACCINE CONTROVERSY

December, 2015	March, 2016	April, 2016	November, 2017	December, 2017	January, 2018
<p>Dengvaxia®</p> <p>Dengue Vaccine [Dengvaxia®] registered in Philippines</p>	<p>Drug Expert hesitancy</p> <p>Hesitation about Dengvaxia are vocalized by scientists, medical health professionals and researchers.</p>	<p>Vaccinations Begin</p> <p>School based vaccination program launched in the Philippines – 830,000 vaccinated.</p>	<p>Vaccinations Suspended</p> <p>Dengue vaccination in Philippines officially suspended following Sanofi’s announcement about seronegative subjects.</p>	<p>DoH issued guidelines on case management</p> <p>Increasing number of Dengvaxia related Adverse event following immunization (AEFI) including deaths reported and Dengvaxia Investigative Task Force (DITF) established to review deaths following Dengue vaccination.</p>	<p>Loss of trust</p> <p>DoH issued guidelines on case management, surveillance of AEFI related to Dengvaxia Senate hearing on Dengvaxia, High media attention eroding public trust.</p>

KEY DATES: DENGUE VACCINE CONTROVERSY

April 2016:
vaccine is
launched in PHL

Nov 2017: safety
concerns follow
relabelling

Feb 2018: PHL
Public
Attorney's
Office files suit
vs manufacturer,
distributor and
MOH officials

Feb 2019:
license revoked
in PHL

* May 2016: National elections





Dramatic drop in public confidence after Philippines dengue vaccine controversy

12 October 2018



The Philippines' highly politicised response to newly-reported risks of a dengue vaccine led to a dramatic drop in public trust in vaccines overall, according to new research published in [*Human Vaccines & Immunotherapeutics*](#).

Led by the London School of Hygiene & Tropical Medicine (LSHTM), the study measured the impact of the Dengvaxia crisis on overall vaccine confidence before and after the manufacturer highlighted a risk associated with the vaccine and the associated political fallout.





VACCINE
CONFIDENCE
PROJECT™

FW Period	Vaccines are important for children to have	Overall, I think vaccines are safe	Overall, I think vaccines are effective	Vaccines are compatible with my religious beliefs
Oct-15	99	98	98	84
Mar-18	77	68	68	68
Dec-18	81	76	78	77
Mar-19	94	89	91	88
Aug-19	93	87	91	87
Nov-19	95	88	92	80

TOTAL AGREE

Philippines Vaccine Confidence
'Total Agree' Summary

