Regional workshop on avian disease prevention and control in Asia and the Pacific 2024

AVIAN INFLUENZA PROTECTION PROGRAM

Philippines

Anthony C. Bucad, DVM

Officer-in-Charge, Chief
Animal Health and Welfare Division
DA-Bureau of Animal Industry

27 – 29 August 2024

Seoul, Republic of Korea

World Organisation for Animal Health
Founded as OIE

Ministry of Agriculture, Food and Rural Affairs

ONE HEALTH POULTRY HUB

Outline of Presentation

I. Overview: Philippine Poultry Industry

II. History and Current Status of the HPAI Cases in the Philippines

III. The Philippines' Avian Influenza Protection Program

IV. Challenges and Ways forward

The PHILIPPINES

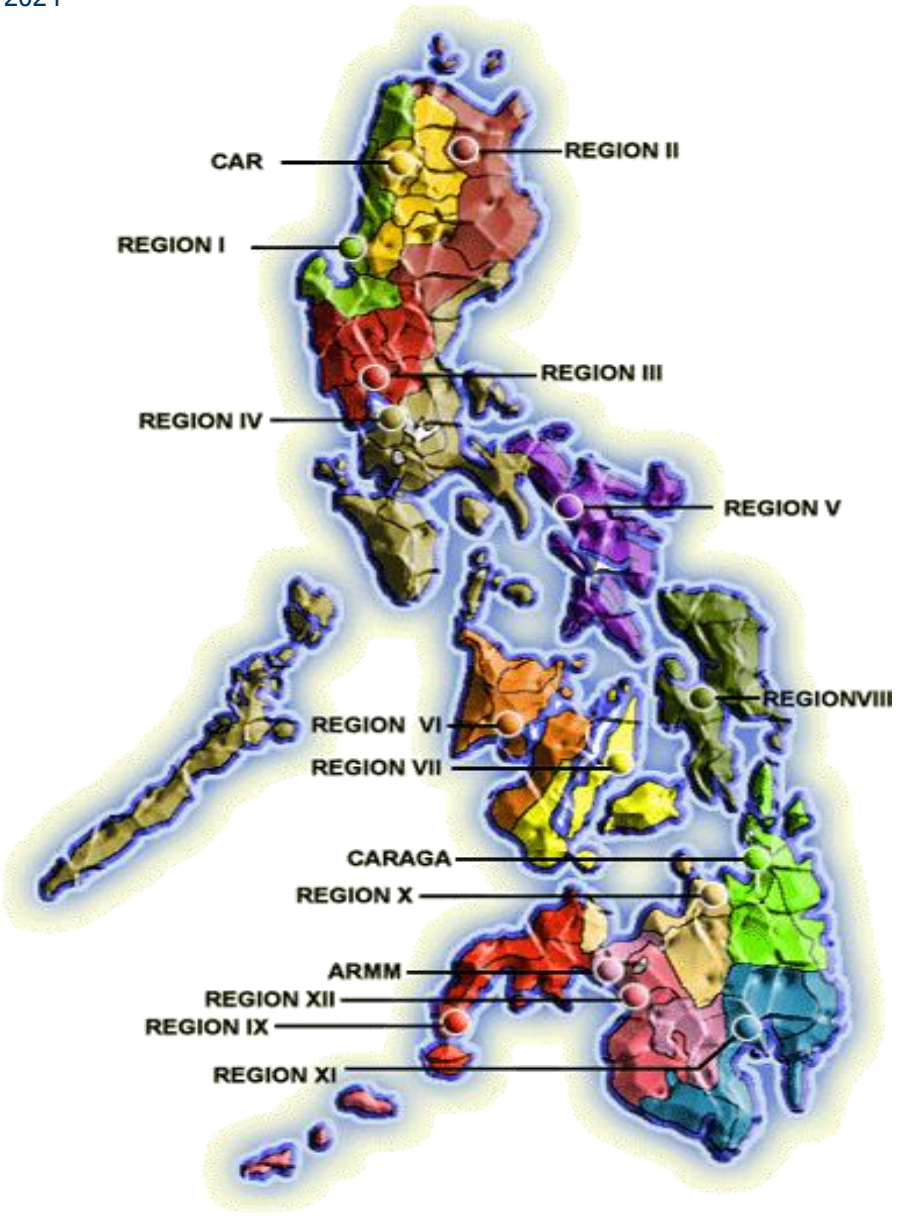
3 Major Island Groups

- Luzon (North)
- Visayas (Central)
- Mindanao (South)

16 Administrative Regions

No. of Provinces	81
No. of Cities	146
No of Municipalities	1,488
No. of Barangays	42,046

Source: Philippine Atlas, 2022



World Organisation for Animal Health
Founded as OIE

Ministry of Agriculture, Food and Rural Affairs

ONE HEALTH POULTRY HUB

According to the Philippine Statistics Authority (PSA) Report

- The value of the Philippine Poultry production at current prices is **Php 68.76 Billion** based on the PSA Chicken Situation Report.

- Inventory as of 31 March 2024 Poultry inventory:

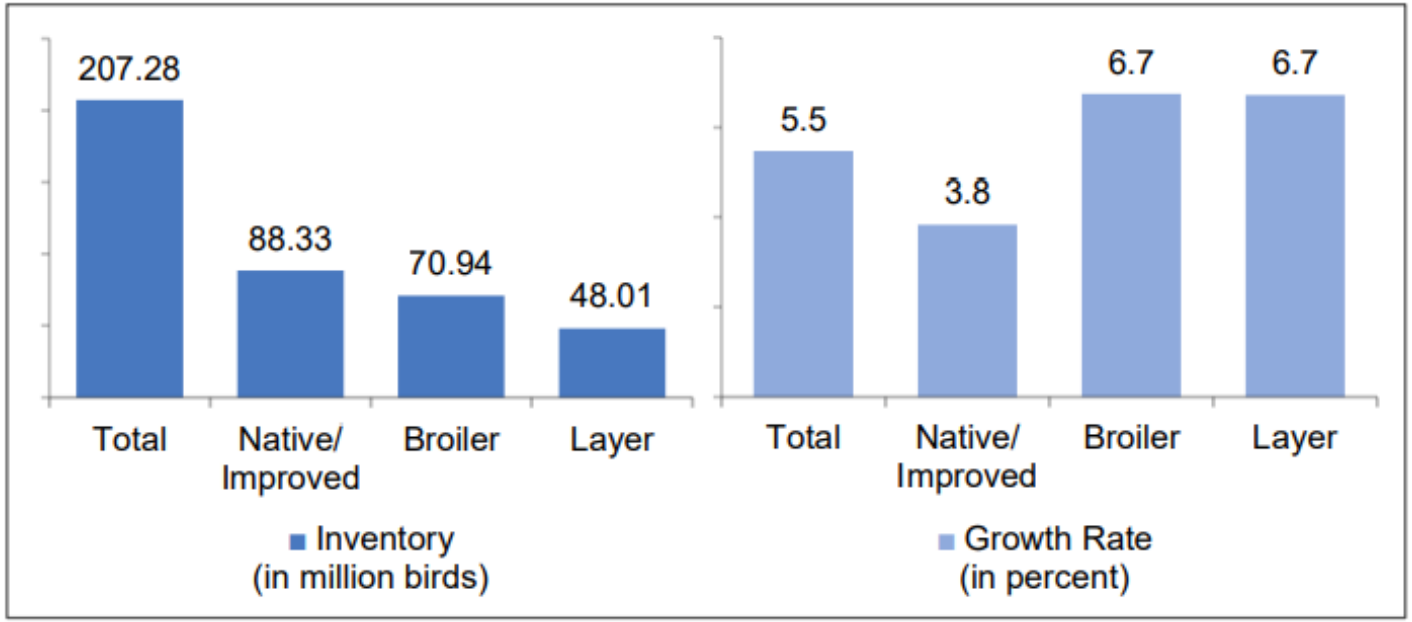
Chicken: 207.28M birds

Source: PSA Livestock and Poultry Quarterly Bulletin

Ducks: 14.43M birds

Source: PSA Livestock and Poultry Quarterly Bulletin

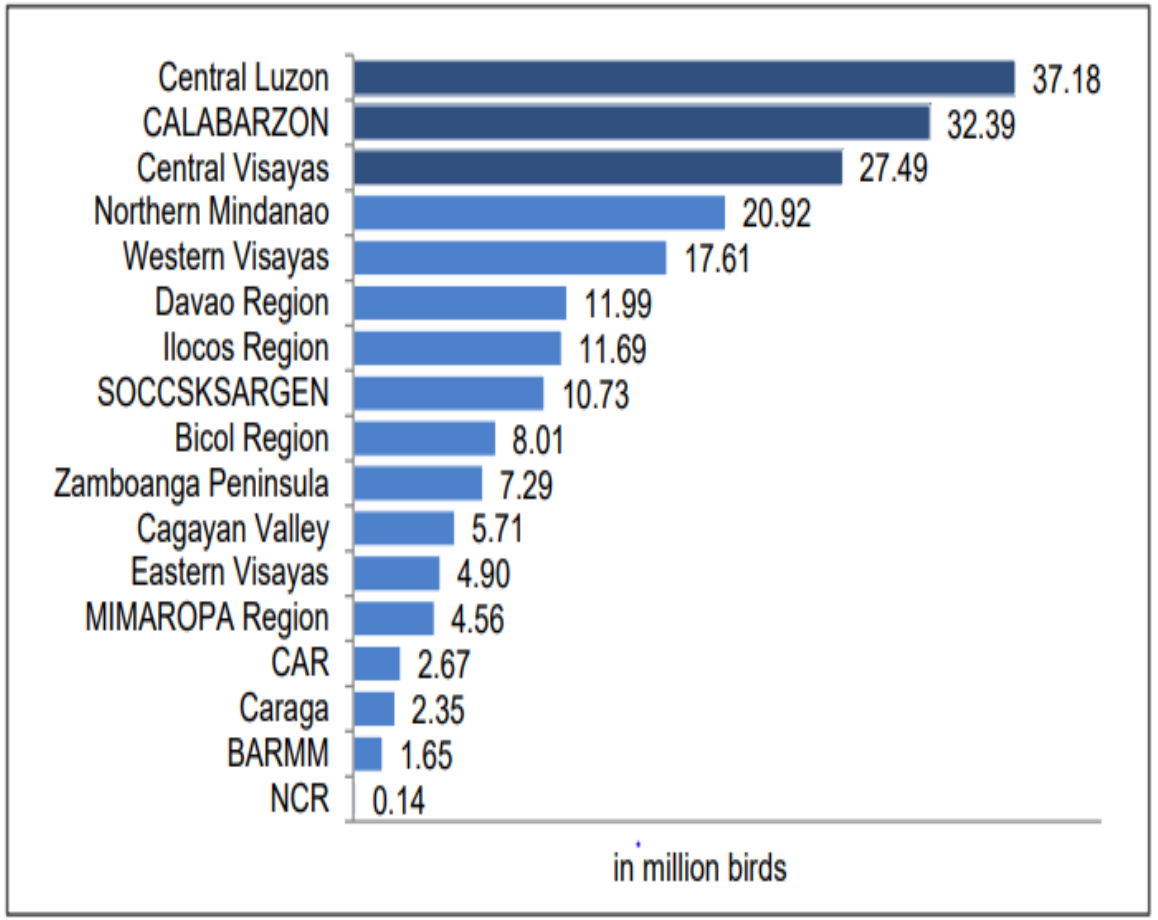
Inventory and Annual Growth Rate of Chicken by Type, as of 31 March 2024



p – preliminary
Sources: Philippine Statistics Authority, BLPS and CLPS

The **poultry inventory is** mainly accounted to **native and improved chicken production (42.6%)** followed by **broiler chicken (34.2%)** and **layer chicken (23.2%)**.

Distribution of Total Chicken Inventory by Region as of 31 March 2024



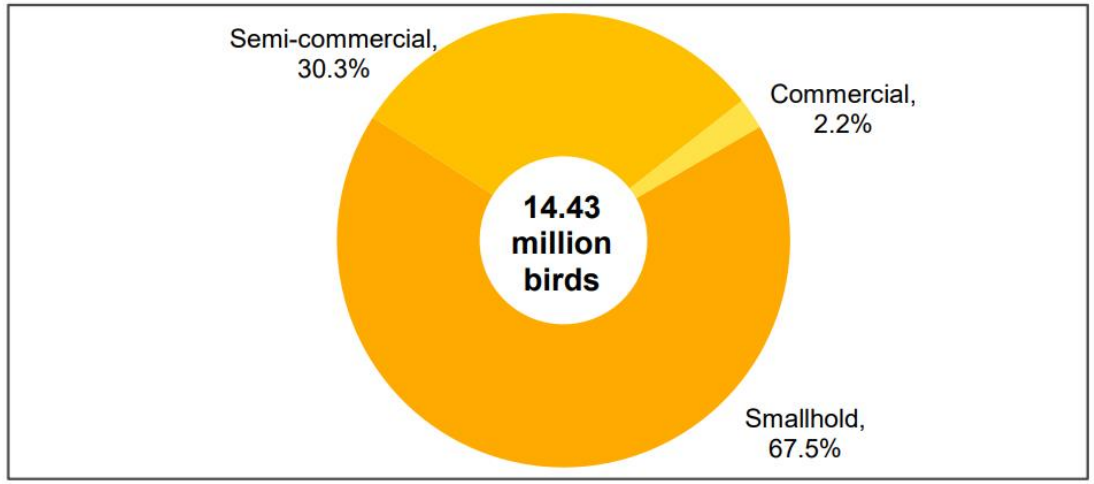
Native/improved chicken highest inventory from **Western Visayas 12.88 million birds**

Broiler Chicken production highest in **Central Luzon at 20.65 million birds**

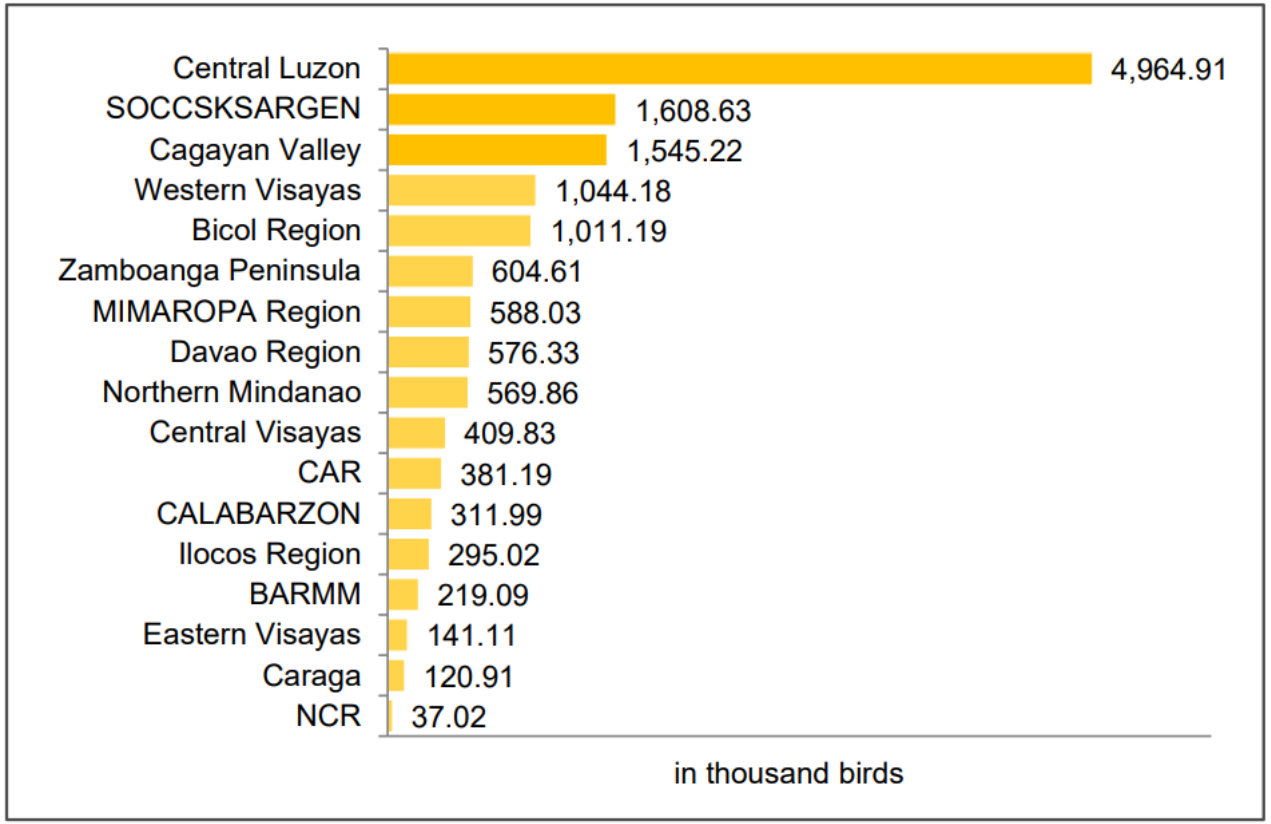
Layer Chicken production highest in **CALABARZON at 16.46 million birds**

World Organisation for Animal Health Founded as OIE
Ministry of Agriculture, Food and Rural Affairs
ONE HEALTH POULTRY HUB

Distribution of Duck Inventory by Classification, as of 31 March 2024



Distribution of Total Duck Inventory by Region as of 31 March 2024



Central Luzon recorded the highest duck population of 4.96 million birds

World Organisation for Animal Health Founded as OIE
Ministry of Agriculture, Food and Rural Affairs
ONE HEALTH POULTRY HUB

TIMELINE of HPAI Outbreaks in the Philippines

2017	2020	2022	2023	PRESENT
H5N6	H5N6	H5N1, H5N8	H5N1, H5N6, H7N7(LPAI)	

H5N1 – affected a cumulative total of 24 Provinces, 10 remaining affected provinces by end of 2023;
H5N6 – Guimba, Nueva Ecija
H7N7 – Mexico, Pampanga

Summary of the HPAI Cases in the Philippines

AVIAN INFLUENZA

Avian Influenza Status Update as of 16 August 2024

Number of Remaining Affected Areas as of 16 August 2024

REGION	PROVINCE	MUNICIPALITY	BARANGAY
6	9	53	134

Areas with On-going Cases as of 16 August 2024

REGION	PROVINCE	CITY/MUNICIPALITY	BARANGAY
2	4	4	4

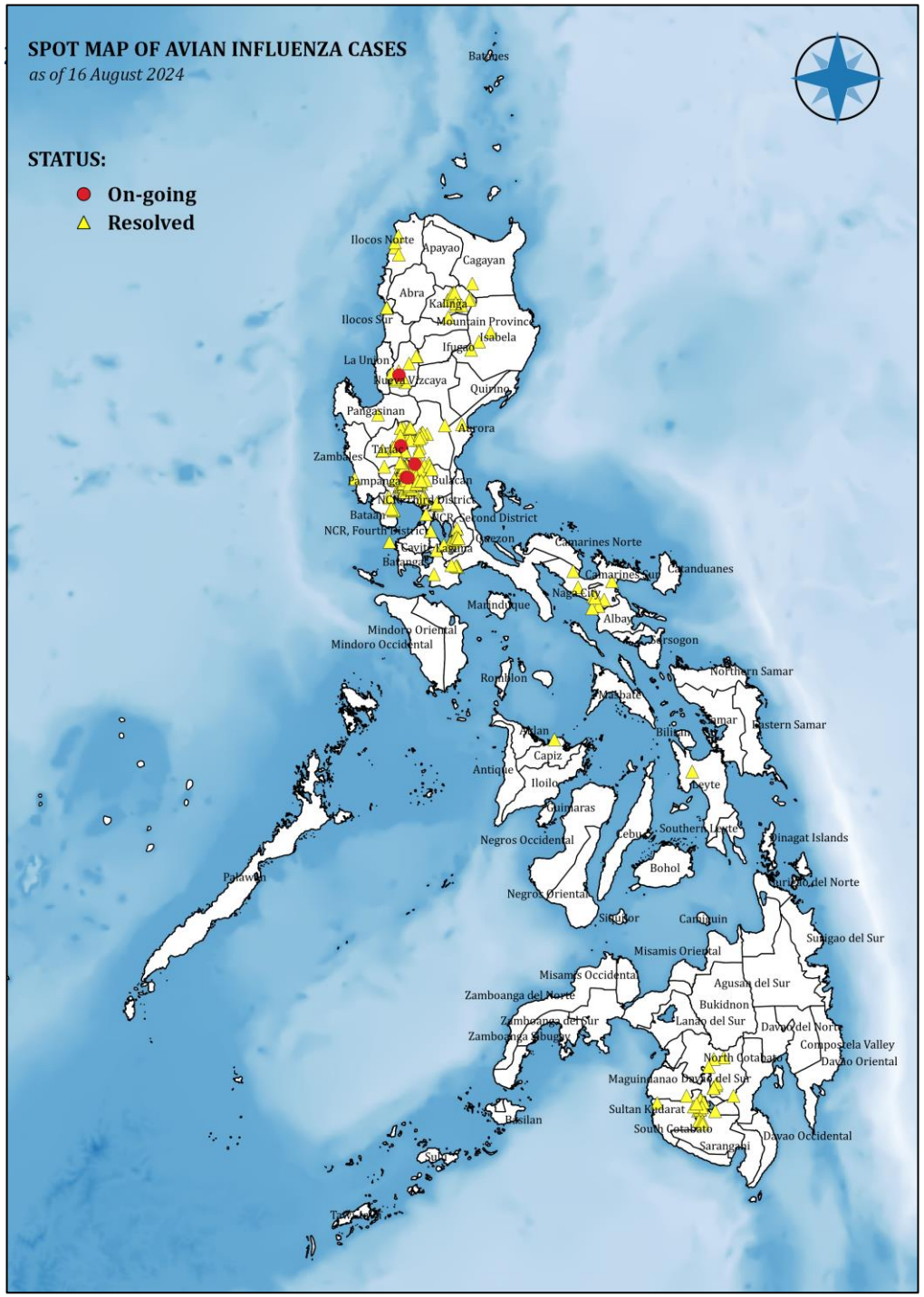
REGION	PROVINCE	CITY/ MUNICIPALITY	SPECIES AFFECTED	NO. OF FARMER/S AFFECTED	AVIAN INFLUENZA SUBTYPE
III	Pampanga	Mexico	Quail, Duck, Chicken	2	H5N1
CAR	Benguet	La Trinidad	Chicken Layer Culls	1	H5N1
III	Nueva Ecija	San Antonio	Free-range Chicken	1	H5N1
III	Tarlac	City of Tarlac	Duck, Chicken, Turkey	1	H5N1

Areas that Recovered Freedom from Avian Influenza

REGION	PROVINCE	MUNICIPALITY	
V	Camarines Sur	Baao, Balatan, Bula, Goa, Libmanan, Nabua, Sipocot	DA MC No. 30 Series of 2022
XI	Davao del Sur	Magsaysay	DA MC No. 30 Series of 2022
IV-A	Rizal	Rodriguez	DA MC No. 1, Series of 2023
XII	South Cotabato	Santo Niño, Tantangan	DA MC No. 10, Series of 2023
I	Ilocos Sur	Santa Maria	DA MC No. 18, Series of 2023
IV-A	Batangas	Ibaan	DA MC No. 23, Series of 2023
VI	Capiz	Roxas City	DA MC No. 27, Series of 2023
IV-A	Quezon	Candelaria, Tiaong	DA MC No. 38, Series of 2023
III	Aurora	Maria Aurora	DA MC No. 39, Series of 2023
I	Ilocos Norte	Laoag City, Bacarra, Sarat, Pasuquin	DA MC No. 45, Series of 2023
I	Pangasinan	San Carlos City	DA MC No. 46, Series of 2023
XII	Cotabato	Mlang, Tulunan, Carmen	DA MC No. 51, Series of 2023
II	Isabela	Cauayan City, Alicia, Gamu	DA MC No. 55, Series of 2023
BARMM	Maguindanao del Sur	Ampatuan	DA MC No. 56, Series of 2023
CAR	Benguet[a]	Atok, Buguias, Itogon, *La Trinidad*[b], Sablan, Tublay Baguio City	DA MC No. 3, Series of 2024
XII	Sultan Kudarat	President Quirino, Tacurong City, Lutayan, Lebak, Isulan	DA MC No. 11, Series of 2024
III	Bulacan	Baliuag, San Rafael, San Ildefonso, San Miguel, Santa Maria, Pulilan	DA MC No. 14, Series of 2024
Total Recovered Areas	**16**	**46**	

[a and b] Due to the recent HPAI H5N1 case, recorded in a live bird market located in the Municipality of La Trinidad, Benguet, the Avian Influenza-Free Status of the Province of Benguet, issued by virtue of DA MC No. 3, Series of 2024, is hereby revoked.

No. of Mortalities = 429, 955	No. of Culled = 2,034,260



HPAI H5N1 Cases recorded in 2024

REGION	PROVINCE	MUNICIPALITIES	FARM/S AFFECTED	STATUS
III	Pampanga	Candaba	Duck (3); Quail (3) = **6**	❖ **ALL cases were RESOLVED**
		San Simon	Quail (2); Mixed (4) and Duck (1) = **7**	❖ **ALL cases were RESOLVED**
		Mexico	Duck (1); Mixed (1) =**2**	❖ **2 cases ONGOING**, pending negative laboratory result of the surveillance within 1-km radius
	Nueva Ecija	Santa Rosa	Quail (1) and Gamefowl (1) = **2**	❖ **ALL cases were RESOLVED**
		San Antonio	Free-range Chicken (1) = 1	❖ **ONGOING,** pending negative laboratory result of the surveillance within 1-km radius
		Talavera	Duck (2) =**2**	❖ **ALL cases were RESOLVED**
	Bataan	Hermosa	Quail (1) =**1**	❖ **RESOLVED**
	Tarlac	Tarlac City	Mixed (1) = **1**	❖ **ONGOING,** pending negative laboratory result of the surveillance within 1-km radius
CAR	Kalinga	Tabuk City	Native Chicken (1) =**1**	❖ **RESOLVED**
	Benguet	La Trinidad	Layer Chicken Culls (1) **= 1**	❖ **ONGOING,** pending negative laboratory result of the surveillance within 1-km radius
VIII	Leyte	Kananga	Broiler Breeder Chicken (1) = **1**	❖ **RESOLVED**
			25	

World Organisation for Animal Health Founded as OIE

Ministry of Agriculture, Food and Rural Affairs

ONE HEALTH POULTRY HUB

*Cases are considered RESOLVED upon completion of depopulation, initial cleaning and disinfection and surveillance within 1-km zone

LPAI Detected in 2024

REGION	PROVINCE	MUNICIPALITIES	FARM/S AFFECTED	DATE OF CONFIRMATION	SUBTYPE*
III	Bulacan	San Rafael	Commercial Duck	8 February 2024	H9N2
X	Bukidnon	Lantapan	Commercial Broiler Breeder Chicken	8 March 2024	N8
V	Camarines Sur	Cabusao	Backyard Duck	25 March 2024	N1
III	Bataan	Hermosa	Backyard Duck	18 June 2024	H9N2
III	Pampanga	San Luis	Commercial Duck	27 June 2024	N8

*ALL cases were NEGATIVE for Subtype H5 and H7

- ✓ **Weekly Avian Influenza Data Dashboard are being uploaded through the BAI Website https://www.bai.gov.ph/stakeholders?Rep=Avian%20Influenza**

bai.gov.ph/stakeholders?Rep=Avian%20Influenza

Home | About Us | E-Services | Programs | Laws & Issuances | Reports | Transparency | Feedback | Login

Registration Accreditation Licensing
Importation Status
Disease Situation — Avian Influenza, African Swine Fever
Data Analytics
Customer Satisfaction

Avian Influenza Status Update as of 22 March 2024
Avian Influenza Status Update as of 26 March 2024
Avian Influenza Status Update as of 5 April 2024
Avian Influenza Status Update as of 12 April 2024
Avian Influenza Status Update as of 19 April 2024

AVIAN INFLUENZA

Avian Influenza Status Update as of 19 April 2024

Number of Remaining Affected Areas as of 19 April 2024

REGION	PROVINCE	MUNICIPALITY	BARANGAY
6	9	56	135

Areas with On-going Cases as of 19 April 2024

REGION	PROVINCE	CITY/MUNICIPALITY	BARANGAY
2	3	4	4

REGION	PROVINCE	CITY/ MUNICIPALITY	SPECIES AFFECTED	NO. OF FARMERS AFFECTED	AVIAN INFLUENZA SUBTYPE
III	Pampanga	Candaba	Quail	1	HSN1
III	Pampanga	San Simon	Quail, Native chicken, Duck	2	HSN1
III	Nueva Ecija	Santa Rosa	Quail, Gamefowl	2	HSN1
VIII	Leyte	Kananga	Broiler Breeder Chicken	1	HSN1

Areas that Recovered Freedom from Avian Influenza

REGION	PROVINCE	MUNICIPALITY	
V	Camarines Sur	Baao, Balatan, Bula, Goa, Libmanan, Nabua, Sipocot	DA MC No. 30 Series of 2022
XI	Davao del Sur	Magsaysay	DA MC No. 30 Series of 2022
IV-A	Rizal	Rodriguez	DA MC No. 1, Series of 2023
XII	South Cotabato	Santo Niño, Tantangan	DA MC No. 10, Series of 2023
I	Ilocos Sur	Santa Maria	DA MC No. 18, Series of 2023
IV-A	Batangas	Ibaan	DA MC No. 23, Series of 2023
VI	Capiz	Roxas City	DA MC No. 27, Series of 2023
IV-A	Quezon	Candelaria, Tiaong	DA MC No. 38, Series of 2023
III	Aurora	Maria Aurora	DA MC No. 39, Series of 2023
I	Ilocos Norte	Laoag City, Bacarra, Sarat, Pasuquin	DA MC No. 45, Series of 2023
I	Pangasinan	San Carlos City	DA MC No. 46, Series of 2023
XII	Cotabato	Mlang, Tulunan, Carmen	DA MC No. 51, Series of 2023
II	Isabela	Cauayan City, Alicia, Gamu	DA MC No. 55, Series of 2023
BARMM	Maguindanao del Sur	Ampatuan	DA MC No. 56, Series of 2023
CAR	Benguet	Atok, Buguias, Itogon, La Trinidad, Sablan, Tublay, Baguio City	DA MC No. 3, Series of 2024
XII	Sultan Kudarat	President Quirino, Tacurong City, Lutayan, Lebak, Isulan	DA MC No. 11, Series of 2024
Total Recovered Areas	16	41	

97
Cumulative no. of Cities/ Municipalities have reported AI cases

CSIRO
Australian Centre for Disease Preparedness (ACDP)

5 Portarlington Road, Geelong VIC 3220
Postal Address: Private Bag 24
Geelong, VIC 3220 Australia
acdp.csiro.au
ABN 41 687 119 230

Tel: +61 3 5227 5000
Fax: +61 3 5227 5555

NATA
WORLD RECOGNISED ACCREDITATION

Accredited for compliance with ISO/IEC 17025 - Testing

Diagnostic Testing Report

Final Report

Bureau of Animal Industry
Attn: Dr Edna Felipe
Department of Agriculture Republic of the Philippines
Visayas Avenue
DILIMAN QUEZON CITY PHILIPPINES

SAN: 22-01193
Collection Date: Various dates
Received at AAHL: 22-Mar-2022
Report Date: 01-Nov-2022
Report Version: 22-01193-F-V1
No. Pages: 18

Sender: Dr Edna Felipe
Bureau of Animal Industry

Ref:

Owner: Bureau of Animal Industry - Dr Edna Philipe
Visayas Ave, Diliman
Quezon City PHILIPPINES

Examination Requested: AI/NDV testing

Sample Information provided: Swabs, tissues, saliva, feed for AI and NDV characterisation.

Table 1. 22-01193 H5 positive samples subjected to whole genome sequencing and analysis.

Location	ACDP SAN#	Host	Submitter Lab Id	Subtype	Cleavage site	Clade#
Barangka, Baliuag, Bulacan	22-01193-0075	Chicken	22-0074-5	H5N1	(PLRERRRKR*GLF)	2.3.4.4b
Dalayap, Candaba, Pampanga	22-01193-0080	Quail	22-0161-3	H5N1	(PLRERRRKR*GLF)	2.3.4.4b
San Antonio, Mexico, Pampanga	22-01193-0091	Quail	22-0349-2	H5N1	(PLRERRRKR*GLF)	2.3.4.4b
	22-01193-0096	Quail	22-0349-15	H5N1	(PLRERRRKR*GLF)	n.d.
Sta. Catalina Minalin, Pampanga	22-01193-0118	Duck	22-0524-1	H5N1	(PLRERRRKR*GLF)	2.3.4.4b
TagtagumbaoCuy apo Nueva Ecija	22-01193-0122	Quail	22-0544-2	H5N1	(PLRERRRKR*GLF)	2.3.4.4b
San Felipe Matanda Aliaga, Nueva Ecija	22-01193-0151	Chicken	22-0733-1	H5N1	(PLRERRRKR*GLF)	2.3.4.4b
BarasTacurong City Sultan Kudarat	22-01193-0164	Chicken	22-0739-3	H5N1	(PLRERRRKR*GLF)	2.3.4.4b

CSIRO
Australian Centre for Disease Preparedness (ACDP)

5 Portarlington Road, Geelong VIC 3220
Postal Address: Private Bag 24
Geelong, VIC 3220 Australia
acdp.csiro.au
ABN 41 687 119 230

NATA
WORLD RECOGNISED ACCREDITATION

Accredited for compliance with ISO/IEC 17025 - Testing. Samples are tested as received and the results provided in this report relate only to the items tested.

Tel: +61 3 5227 5000

Diagnostic Testing Report

Interim Report

Bureau of Animal Industry
Attn: Dr Edna Felipe
Department of Agriculture Republic of the Philippines
Visayas Avenue
DILIMAN QUEZON CITY PHILIPPINES

SAN: 23-03668
Collection Date: Jun-2022-May-2023
Received at AAHL: 18-Sep-2023
Report Date: 24-Jan-2024
Report Version: 23-03668-I-V2
No. Pages: 6

Sender: Dr Edna Felipe
Bureau of Animal Industry

Ref: BAI-ECX2023

Owner: Edna Felipe
Bureau of Animal Industry
Quezon City PHILIPPINES

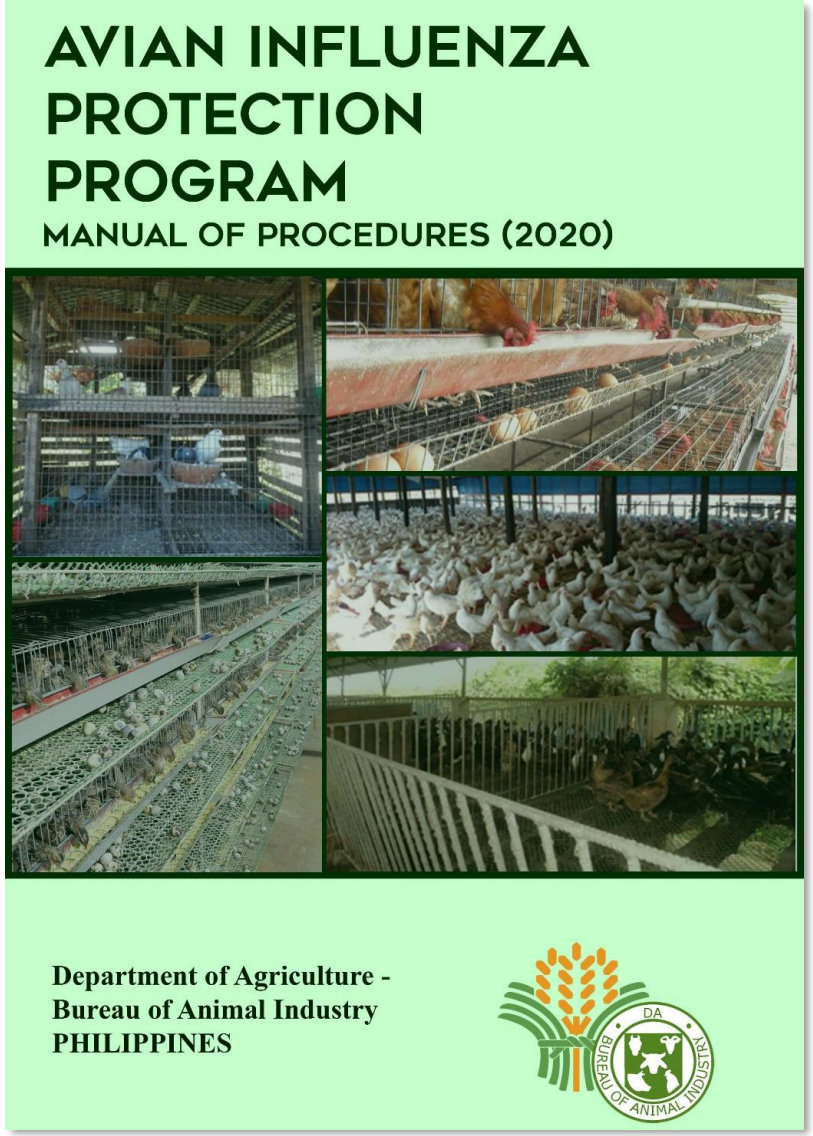
Examination Requested: Avian Influenza Testing

Sample Information provided: 26 x Avian Samples

LOCATION	ACDP SAN no.	Host	Submitter Lab Id	Cleavage site	Subtype	Clade#
Mexico, Pampanga	23-03668-0001	Duck	23-3154 P1	PEIPKGR*GLF	H7N7	
Lumban, Laguna	23-03668-0002	Duck	23-2750 P1	PLREKRRKR*GLF	H5N1	2.3.4.4b
Rizal, Kalinga	23-03668-0003	Chicken	23-2710 P2	PLRERRRKR*GLF	H5N1	2.3.4.4b
Pilar, Bataan	23-03668-0004	Duck	23-2424 P1	PLREKRRKR*GLF	H5N1	2.3.4.4b
Tiaong, Quezon	23-03668-0006	Duck	23-2204 P22 M-trachea M-lung	PLREKRRKR*GLF	H5N1	2.3.4.4b
San Simon, Pampanga	23-03668-0009	Quail	23-1789 P5	PLREKRRKR*GLF	H5N1	2.3.4.4b
Pulilan, Bulacan	23-03668-0010	Duck	23-1125 P5	PLREKRRKR*GLF	H5N1	2.3.4.4b
Solana, Cagayan	23-03668-0011	Chicken	23-0429 P2	PLRERRRKR*GLF	H5N1	2.3.4.4b
Santa Maria, Bulacan	23-03668-0012	Chicken	23-0424 P7, C1-brain	PLRERRRKR*GLF	H5N1	2.3.4.4b
San Ildefonso, Bulacan	23-03668-0014	Quail	22-4488 P5	PLRERRRKR*GLF	H5N1	2.3.4.4b
Gamu, Isabela	23-03668-0015	Chicken	22-4219 P2	PLRERRRKR*GLF	H5N1	2.3.4.4b
Laog, Ilocos Norte	23-03668-0016	Chicken	22-4081 P1	PLRERRRKR*GLF	H5N1	2.3.4.4b
Santa Maria, Ilocos Sur	23-03668-0017	Chicken	22-4080 P1	PLRERRRKR*GLF	H5N1	2.3.4.4b
Maria Aurora, Aurora	23-03668-0018	Chicken	22-4053 P1	n.r.	H5N1	n.r.
Gapan, Nueva Ecija	23-03668-0020	Duck	22-3028 P1	PLRERRRKR*GLF	H5N1	2.3.4.4b
Magalang, Pampanga	23-03668-0021	Quail	22-2910 P1	PLRERRRKR*GLF	H5N1	2.3.4.4b
Atok, Benguet	23-03668-0022	Chicken	22-2823 P1	PLRERRRKR*GLF	H5N1	2.3.4.4b
San Carlos, Pangasinan	23-03668-0023	Chicken	22-2627 P4	PLRERRRKR*GLF	H5N1	2.3.4.4b
Lebak, Sultan Kudarat	23-03668-0024	Chicken	22-2234 P1	PLRERRRKR*GLF	H5N1	2.3.4.4b

full-length H5-HA sequence obtained

n.r.= no result



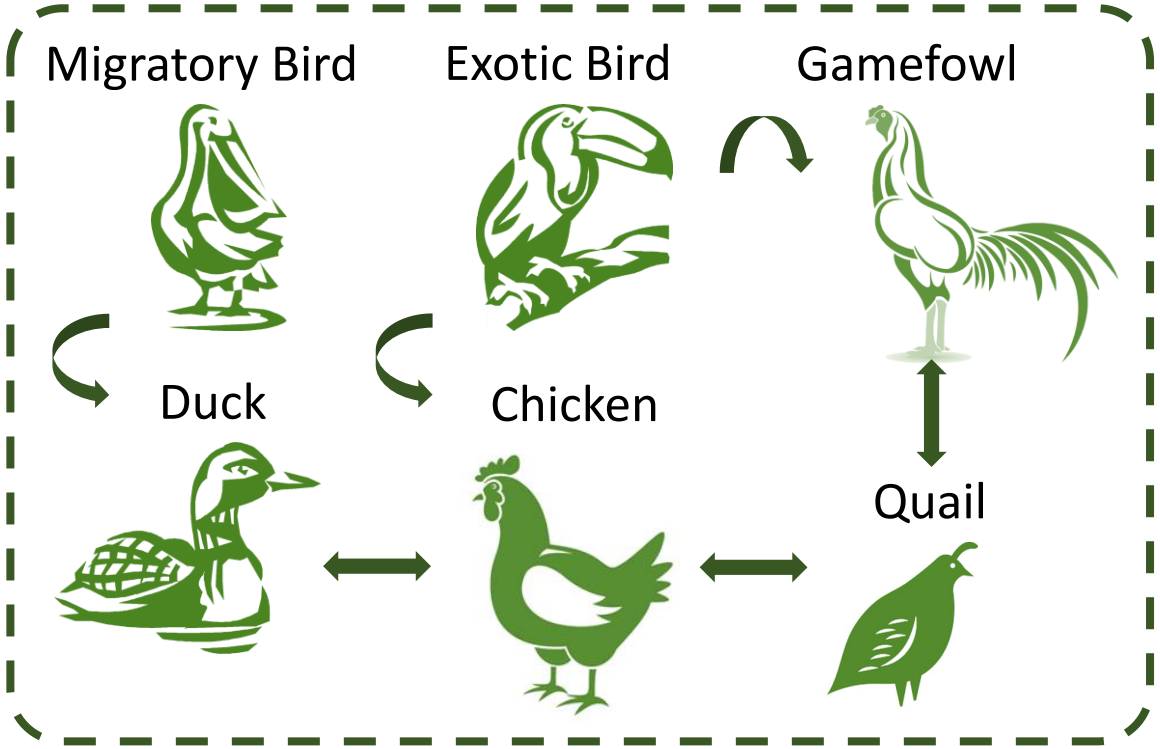
Avian Influenza Protection Program

Adopted on 20 April 2005 thru Joint DA-DOH Administrative Order No. 001
PH Response to the Global Pandemic Threat

Avian Influenza Protection Program

DA

PREVENTION



STAGE 1

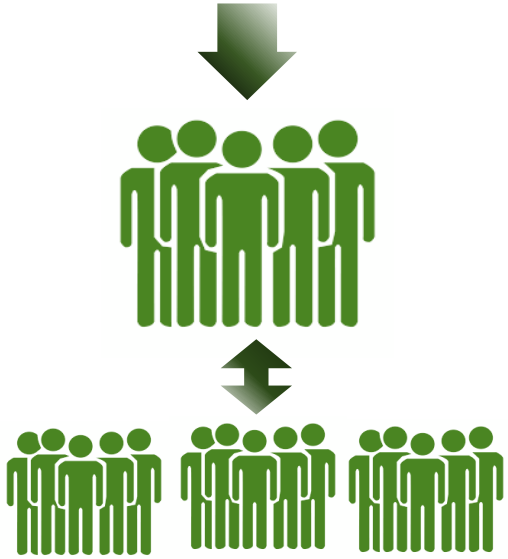
STAGE 2

STAGE 3

STAGE 4

DOH

PREPAREDNESS



AVIAN INFLUENZA PROTECTION PROGRAM

MANUAL OF PROCEDURES (2020)

Department of Agriculture -
Bureau of Animal Industry
PHILIPPINES

Cross-border Management

Biosecurity and IEC

Diagnostic Capability

Disease Monitoring and Surveillance

Culling and Disposal

Regulation and Management of Local Transport of Live Poultry and Non-poultry and Poultry Products and By-Products

Recovery and Repopulation

QUARANTINE MEASURES

Cross-border Management

65 countries

with on-going temporary bans

as of 12 August 2024

LGU COORDINATION AND AWARENESS CAMPAIGN

Anong ginagawa ng DA-BAI upang makontrol ang AI?

Ang DA-BAI ay nakikipag-ugnayan at nakikipagtulungan sa mga DA - Regional Field Office (DA-RFO) at Lokal na Pamahalaan ng mga apektadong syudad at munisipyo. Nagsasagawa ng depopulation, quarantine, surveillance at animal movement control sa mga lugar na nagpositibo sa AI Virus.

Para sa mga katanungan at iba pang impormasyon:

https//:bai.gov.ph

(8)528-2240 local 1501-1506

ahwd@bai.gov.ph

www.facebook.com/AvianFluPH

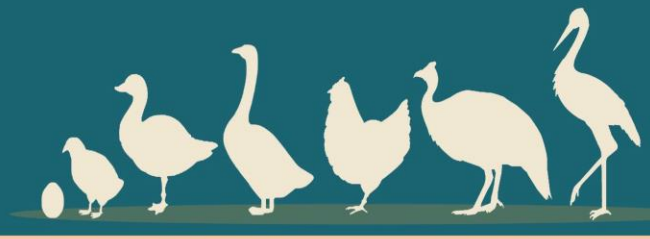
FREQUENTLY ASKED QUESTIONS

AVIAN INFLUENZA

AVIAN INFLUENZA PROTECTION PROGRAM

www.bai.gov.ph

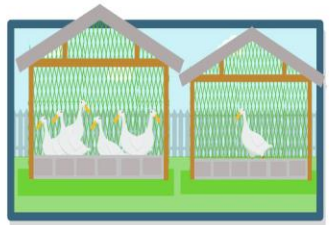
Guidelines on AVIAN INFLUENZA BIOSECURITY



Obtain birds, feeds and other farm materials from reputable and trustworthy sources.

Take a bath and change your clothes when entering the farm. Use a separate set of clothes. Take a bath once again after leaving your farm.

Ensure that you have observed the proper downtime or quarantine period for the new birds before releasing/mixing them with your old stocks.



Bird and pest proof your farm; place a fence around your farm to prevent entry of stray animals.

Always clean and disinfect your farm and its surroundings, including equipment, tools and materials used (e.g. cages, trays, etc.)

Contact the Municipal Agricultural Office, City/Provincial Veterinary Office, or DA Regional Office near you if unusual illness and/or unexplainable sudden deaths of animals were observed

Don't allow unauthorized persons (e.g. traders and visitors) and transport carriers inside, without following farm protocols.

AVIAN INFLUENZA PROTECTION PROGRAM

https//:bai.gov.ph 8528-2240 local 1502 ahwd@bai.gov.ph

CAPACITY BUILDING

CULLING AND DISPOSAL

DISEASE INVESTIGATION AND
SURVEILLANCE

REGULATION AND MANAGEMENT OF LOCAL TRANSPORT OF LIVE POULTRY AND NON-POULTRY AND POULTRY PRODUCTS AND BY-PRODUCTS

Republic of the Philippines
OFFICE OF THE SECRETARY
Elliptical Road, Diliman
1100 Quezon City

MEMORANDUM CIRCULAR
No. 43
Series of 2022

SUBJECT: **UPDATED GUIDELINES ON THE MOVEMENT OF LIVE POULTRY AND NON-POULTRY AND POULTRY PRODUCTS AND BY-PRODUCTS DURING THE AVIAN INFLUENZA OUTBREAK**

WHEREAS, the Department of Agriculture (DA) issued Memorandum Circular (MC) Nos. 5, 6, 12, 16, and 27 series of 2022 on February 24, 2022, March 7, 2022, April 6, 2022, May 11, 2022 and June 30, 2022, respectively, which provided guidance and movement restrictions in several poultry-related commodities across different regions in the Philippines;

WHEREAS, from June 10 to October 31, 2022, new confirmed cases of Avian Influenza (AI) Type A Subtype H5N1 were reported in the provinces of Ilocos Norte, Ilocos Sur, Pangasinan, Isabela, Benguet, Kalinga, Pampanga, Nueva Ecija, Aurora, Bulacan, Laguna, Rizal, Quezon, South Cotabato, and Sultan Kudarat;

WHEREAS, to date, reported cases of AI AH5N1 have affected avian species such as ducks, native chickens, commercial chicken layers and broilers, gamefowls, quails, pigeons, pet birds, and turkeys;

WHEREAS, in relation to AI testing as part of the requirement for the movement of poultry and poultry products, the Bureau of Animal Industry (BAI) has issued MC No. 28 Series of 2022 "*Granting of authority to Private Laboratories to conduct Avian Influenza testing during outbreak for the purpose of transport/movement of poultry and poultry products except ducks*", to support in the influx of samples for AI testing in government laboratories;

WHEREAS, the BAI has issued MC No. 29 Series of 2022 "*Guidelines on the issuance of Certificate of Free Status on Avian Influenza Type A Subtypes H5 and H7 during Avian Influenza Outbreak*", to ensure supply chain continuity and local food sufficiency and to avoid confusion and different interpretations of the AI laboratory tests and facilitate unhampered delivery of safe poultry products and healthy avian species to target destination.

WHEREAS, Avian Influenza Protection Program details the surveillance plan for AI, conducted bi-annually, to provide supporting scientific evidence to our disease freedom as set by the World Organization for Animal Health, founded as OIE, which is a standard-setting body on all matters relating to animal health;

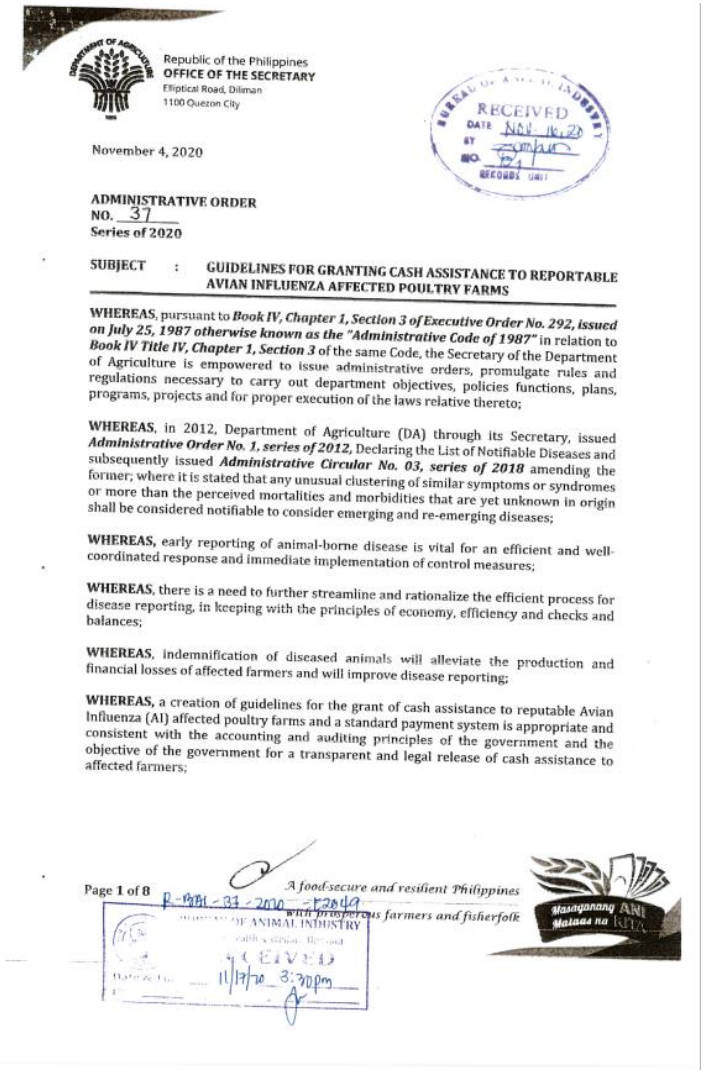
WHEREAS, to ensure supply chain continuity and local food sufficiency, the movement of different poultry-related commodities is allowed subject to existing guidelines based on disease status of various localities and/or regions, with provisions of additional safety measures to prevent the further spread of AI to the remaining disease-free areas in the country;

NOW, THEREFORE, based on the preceding, DA MC No. 27, series of 2022 is hereby amended to the following:

DA MC No. 43, Series of 2022: Updated Guidelines on the Movement of Live Poultry and Non-Poultry and Poultry Products and By-Products during the Avian Influenza Outbreak

- Issued last December 09, 2022
- Succeeded DA MC 27 series of 2022
- Geographical basis shifted from REGIONAL to CITY/MUNICIPAL level
- Adjusted period of validity for transport documents (CFS-AI) of different commodities

CASH ASSISTANCE TO FARMERS AFFECTED BY HPAI OUTBREAK



Republic of the Philippines
OFFICE OF THE SECRETARY
Elliptical Road, Diliman
1100 Quezon City

November 4, 2020

ADMINISTRATIVE ORDER
NO. 37
Series of 2020

SUBJECT : GUIDELINES FOR GRANTING CASH ASSISTANCE TO REPORTABLE AVIAN INFLUENZA AFFECTED POULTRY FARMS

WHEREAS, pursuant to ***Book IV, Chapter 1, Section 3 of Executive Order No. 292, issued on July 25, 1987 otherwise known as the "Administrative Code of 1987"*** in relation to ***Book IV Title IV, Chapter 1, Section 3*** of the same Code, the Secretary of the Department of Agriculture is empowered to issue administrative orders, promulgate rules and regulations necessary to carry out department objectives, policies functions, plans, programs, projects and for proper execution of the laws relative thereto;

WHEREAS, in 2012, Department of Agriculture (DA) through its Secretary, issued ***Administrative Order No. 1, series of 2012***, Declaring the List of Notifiable Diseases and subsequently issued ***Administrative Circular No. 03, series of 2018*** amending the former; where it is stated that any unusual clustering of similar symptoms or syndromes or more than the perceived mortalities and morbidities that are yet unknown in origin shall be considered notifiable to consider emerging and re-emerging diseases;

WHEREAS, early reporting of animal-borne disease is vital for an efficient and well-coordinated response and immediate implementation of control measures;

WHEREAS, there is a need to further streamline and rationalize the efficient process for disease reporting, in keeping with the principles of economy, efficiency and checks and balances;

WHEREAS, indemnification of diseased animals will alleviate the production and financial losses of affected farmers and will improve disease reporting;

WHEREAS, a creation of guidelines for the grant of cash assistance to reputable Avian Influenza (AI) affected poultry farms and a standard payment system is appropriate and consistent with the accounting and auditing principles of the government and the objective of the government for a transparent and legal release of cash assistance to affected farmers;

Page 1 of 8

A food-secure and resilient Philippines with prosperous farmers and fisherfolk

DA Administrative Order No. 43, Series of 2020: "*Guidelines for Granting Cash Assistance to Reportable Avian Influenza Affected Poultry Farms*"

Poultry Species	Amount (Ph Peso) per head	Amount (US Dollar) per head
Layers/ducks/breeders (age:10wks and above only)	100	1.77
Broiler (age: 2wks and above only)	60	1.06
Gamefowl	150	2.66
Qual/Pigeons	15	0.27

To date, a total of **Php 146,740,260 (2.6Million USD)** were provided by the government as indemnification to farmers who were affected by Avian Influenza since the start of HPAI H5N1 Outbreak in 2022.

World Organisation for Animal Health
Founded as OIE

Ministry of Agriculture, Food and Rural Affairs

ONE HEALTH POULTRY HUB

AI Vaccination in the Philippines

Republic of the Philippines
OFFICE OF THE SECRETARY
Elliptical Road, Diliman 1100 Quezon City
+63(2) 8928 8741 to 64 and +63(2) 8273 2474

BAGONG PILIPINAS
Masaganang Agrikultura, Matatag na Ekonomiya

MEMORANDUM CIRCULAR
No: 49
Series of 2023

SUBJECT : GUIDELINES ON TARGETED VACCINATION AS A COMPLEMENTARY TOOL FOR THE CONTROL OF AVIAN INFLUENZA

WHEREAS, High Pathogenicity Avian Influenza (HPAI) is a highly contagious viral disease that can cause severe clinical signs and possible high mortality rates to both domestic and wild birds, and has been also recorded to affect humans. To date, HPAI has been detected in more than fifty (50) countries and territories in the world and has resulted in the death and mass slaughter of more than three hundred sixteen (316) million poultry worldwide;

WHEREAS, as of 31 July 2023 the provinces with confirmed cases of Avian Influenza and have not yet recovered their AI-free status are the provinces of Bulacan, Pampanga, Nueva Ecija, Tarlac, Laguna, Sultan Kudarat, Benguet, North Cotabato, Maguindanao, Isabela, Pangasinan, Kalinga, Aurora, Ilocos Norte, Cagayan, Quezon and Bataan;

WHEREAS, the first case of HPAI H5N1 in the province of Bulacan affecting a commercial duck farm was detected last January 2022 and has since been continuously affecting the Philippine poultry industry;

WHEREAS, reported cases of HPAI to date have affected avian species such as ducks, chickens (breeders, layers, broilers, gamefowls, free range and native), quails, pigeons, geese, pet birds and turkeys;

WHEREAS, the outbreak of HPAI in the country has been causing significant economic impact on the poultry industry due to high mortalities, large-scale culling of the infected birds as well as the impediment of local and international trade, and movement restrictions on poultry products and by-products. Such have caused disruptions in the supply chain that contributed to rising cost of poultry products and by-products;

WHEREAS, under Section 3 of Act 3639, the Bureau of Animal Industry shall promote the development of the livestock industry through the control and eradication of dangerous communicable diseases of domestic animals;

WHEREAS, in order to effectively control HPAI, a combination of proactive efforts must be continuously implemented such as a strong surveillance and monitoring program, active participative reporting of stakeholders in cases of suspected disease outbreaks, and adherence to strict biosecurity protocols. Vaccination is also a valuable complementary tool to control HPAI outbreaks through designing a strategic vaccination program using quality, effective and safe vaccines in accordance with the World Organisation for Animal Health (WOAH) Terrestrial Code;

Page 1 of 23

www.da.gov.ph /dacentralphilippines

- The Bureau of Animal Industry (BAI) had started considering the use of AI vaccines when it had received a position from the Philippine College of Poultry Practitioners (PCPP) last 10 October2022. In the said position, they had reiterated that vaccination could be employed as a complement to existing prevention and control measures against the pathogen.
- A public consultation on the matter was held last 1 February 2023, which bore several workshops and engagements with concerned stakeholders, then culminating into the signed Department of Agriculture (DA) Memorandum Circular (MC) No. 49, Series of 2023 entitled, “Guidelines on Targeted Vaccination as a Complementary Tool for the Control of Avian Influenza.”
- To date, the BAI has assisted in the assessment of the local safety and efficacy trial protocols for five (5) AI vaccines and endorsed these five (5) vaccines and their respective importers to the Philippine Food and Drug Administration (FDA) for the issuance of relevant import permits/clearances.

Surveillance

Stage 1 (Peace Time)

AI High Risk Areas in the Philippines

- Bi-annual surveillance (before and after migration period i.e. September & March)
- min. 6 barangay; min. of 6 farms; min. of 5 paired serum and OP/Cloacal swab

Live Bird Markets

- Sample collection in identified LBMs in the Philippines
- A minimum of thirty (30) blood and oropharyngeal swab samples shall be collected per market

Unusual Poultry Mortalities

- Unusual poultry mortalities in the locality captured through farmers' report, laboratory report and event-based surveillance shall be included as a trigger for active surveillance

Local Transport Requirement

- Collection and testing of sample for AI as a requirement prior to issuance of Animal Disease Monitoring Compliance Certificate and/or Certificate of Free Status on Avian Influenza (c/o BAI-AHWD) which is one of the requirement prior to issuance of Shipping permit (c/o BAI- NVQSD/RVQS)

Stage 2 (During Outbreak)

Within 1-km and 7-km Zones

- Targeted surveillance among poultry farms within the 1-km and 7-km zone surrounding an affected poultry facility

World Organisation for Animal Health Founded as OIE

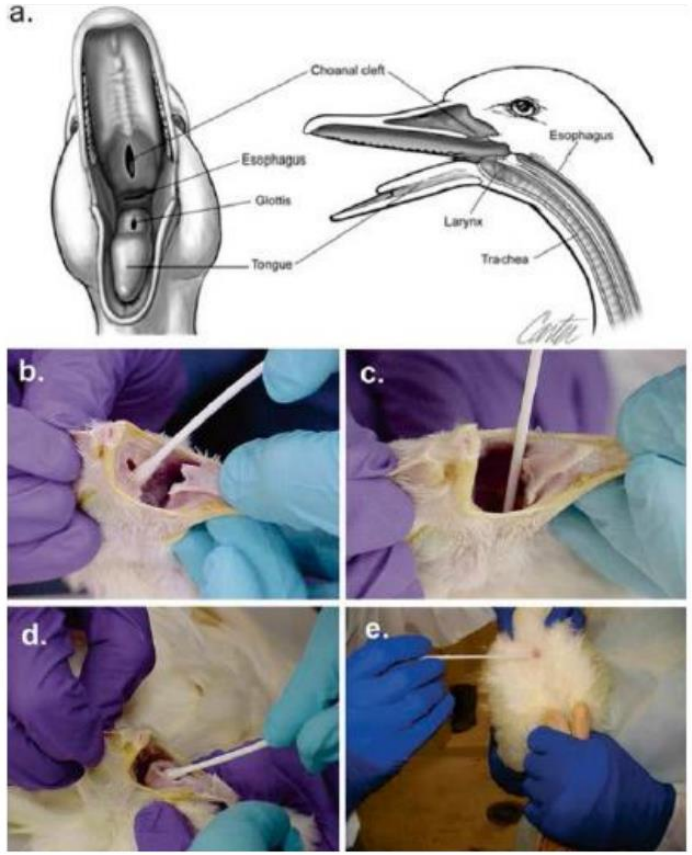
Ministry of Agriculture, Food and Rural Affairs

ONE HEALTH POULTRY HUB

Source: AIPP-MOP, 2020

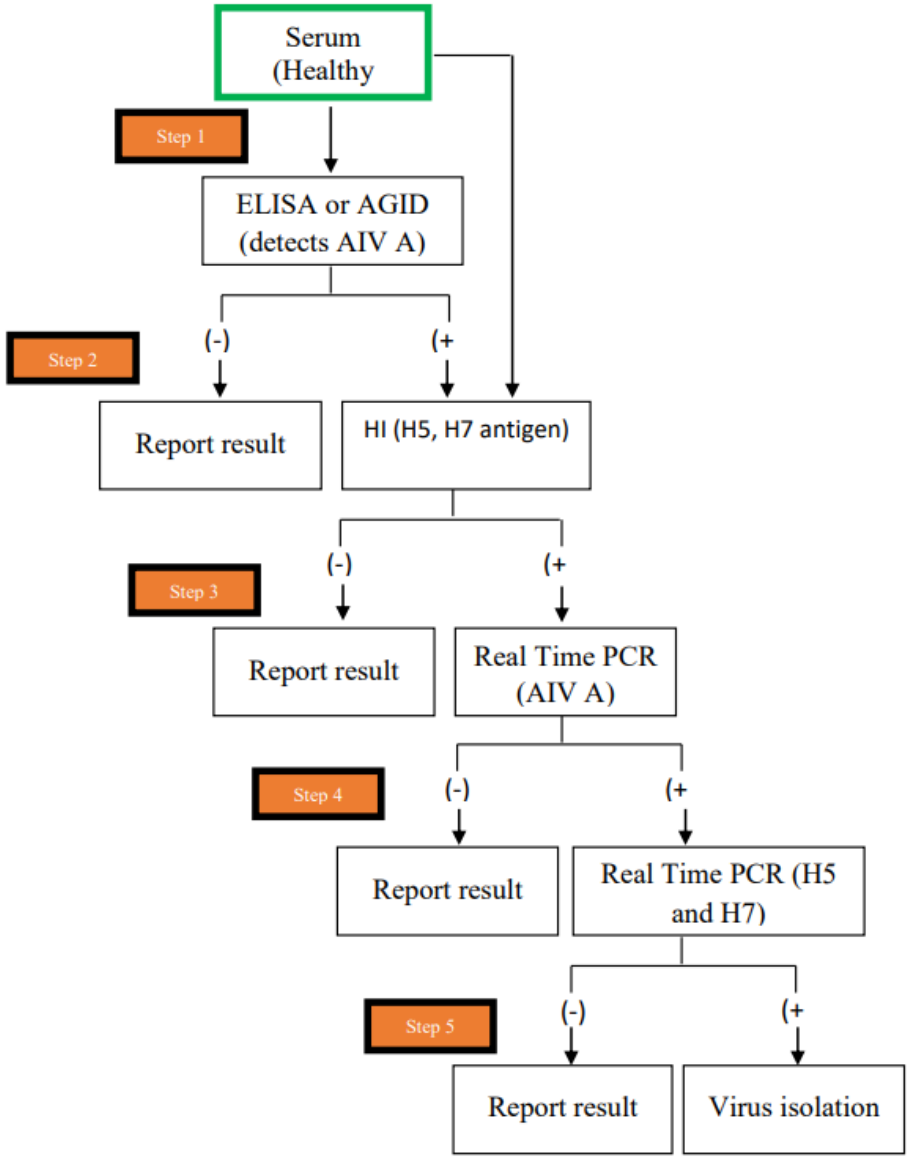
What are the samples to be collected?

Blood Samples



Oropharyngeal and/or cloacal swab

Avian Influenza Surveillance Laboratory Algorithm



AI Laboratory Algorithm

(Surveillance in apparently healthy animals)

- Regular/Bi-annual Surveillance
- Live bird markets
- Local transport Requirements
- Surveillance within 7-km zone

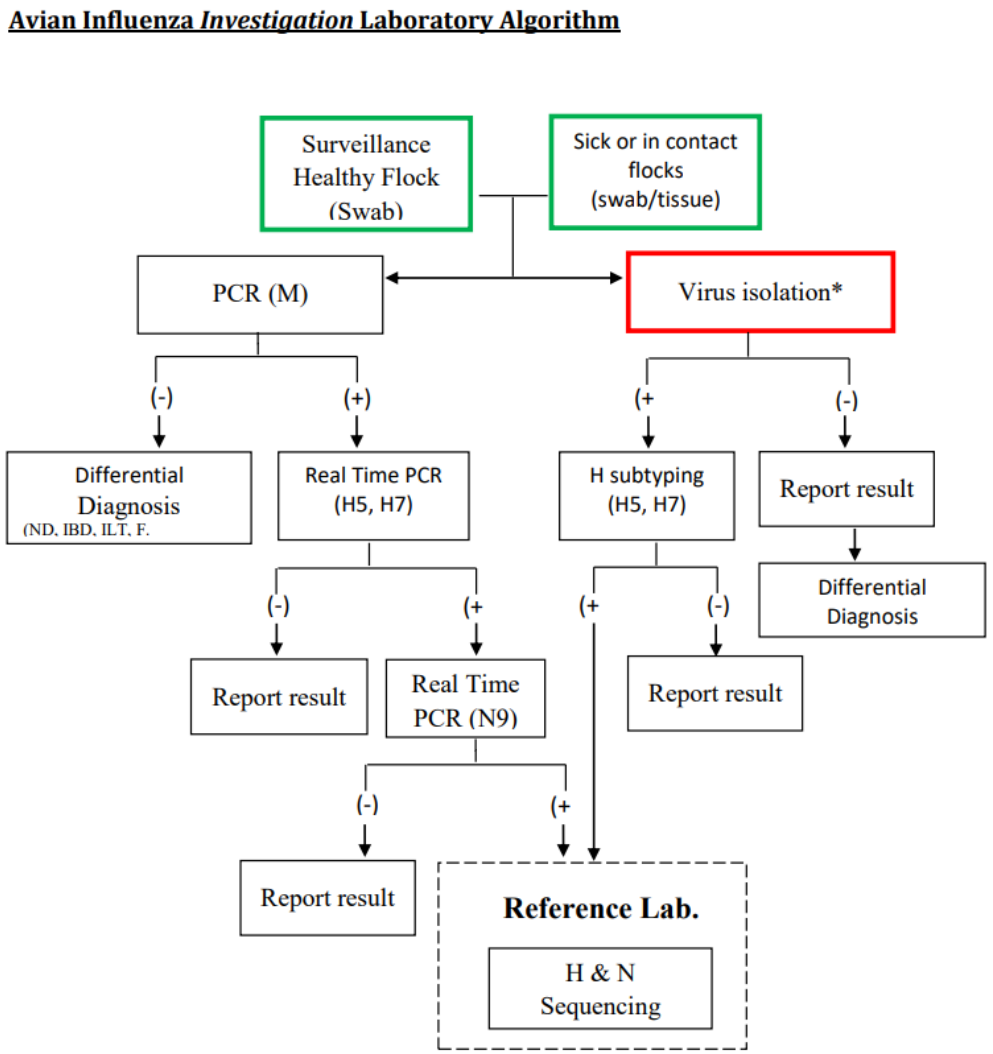
World Organisation for Animal Health
Founded as OIE

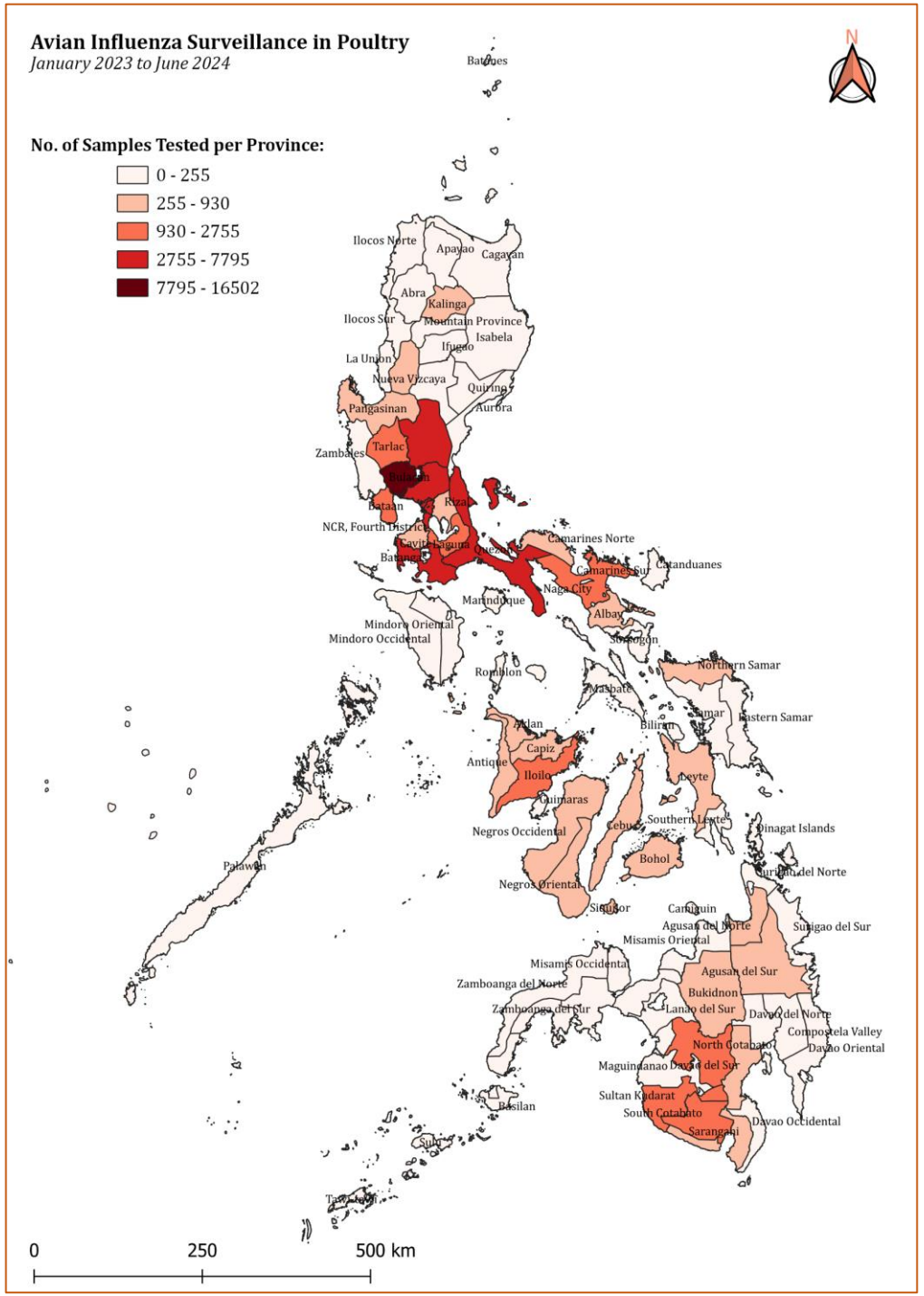
Ministry of Agriculture, Food and Rural Affairs

ONE HEALTH POULTRY HUB

AI Laboratory Algorithm
(Case investigation)

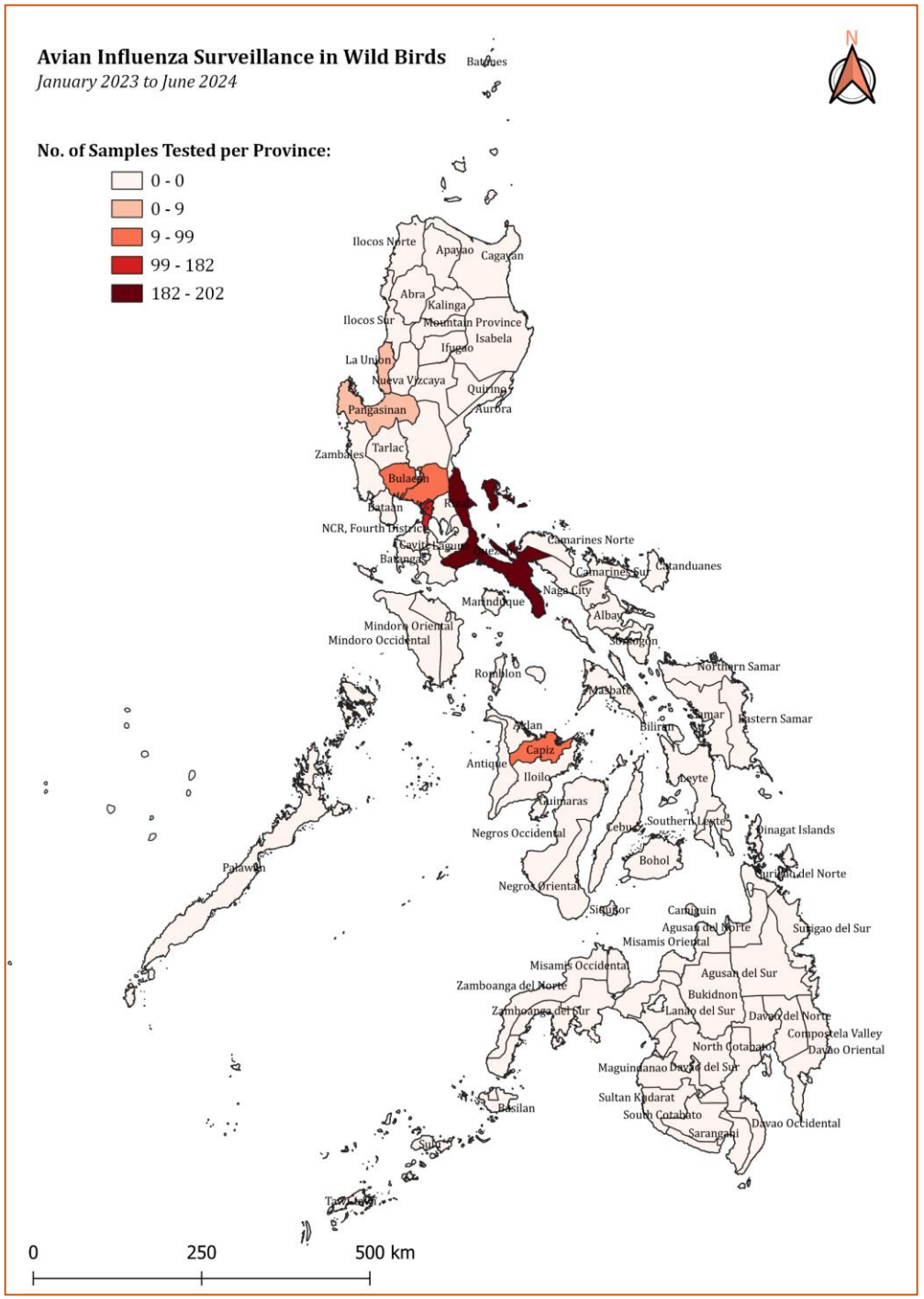
- Disease investigation: Unusual Poultry mortalities
- Surveillance within 1-km zone





- Include samples tested at the **BAI Animal Disease Diagnosis and Reference Laboratory (ADDRL)** and **various Regional Animal Disease Diagnostic Laboratories (RADLLs)** in the country;
- A total of **70,533 samples** were collected from January 2023 to June 2024 as part of AI surveillance;
- Below is the list of Provinces where most of the samples were collected:

Province	No. of Samples Tested
Pampanga	16502
Bulacan	7795
Quezon	5409
Batangas	3720
Nueva Ecija	3403
Laguna	2755
Bataan	2051
Iloilo	2015
South Cotabato	1975
Tarlac	1881
Camarines Sur	1735
North Cotabato	1554
Sultan Kudarat	1505



- Conduct of surveillance activities in wild birds are being headed by the **Department of Natural Resources – Biodiversity Management Bureau (DENR- BMB)**;

- A total of **445 samples** were collected in 2023 from the provinces of **La Union, Pampanga** and **Quezon** and in **Metro Manila**;

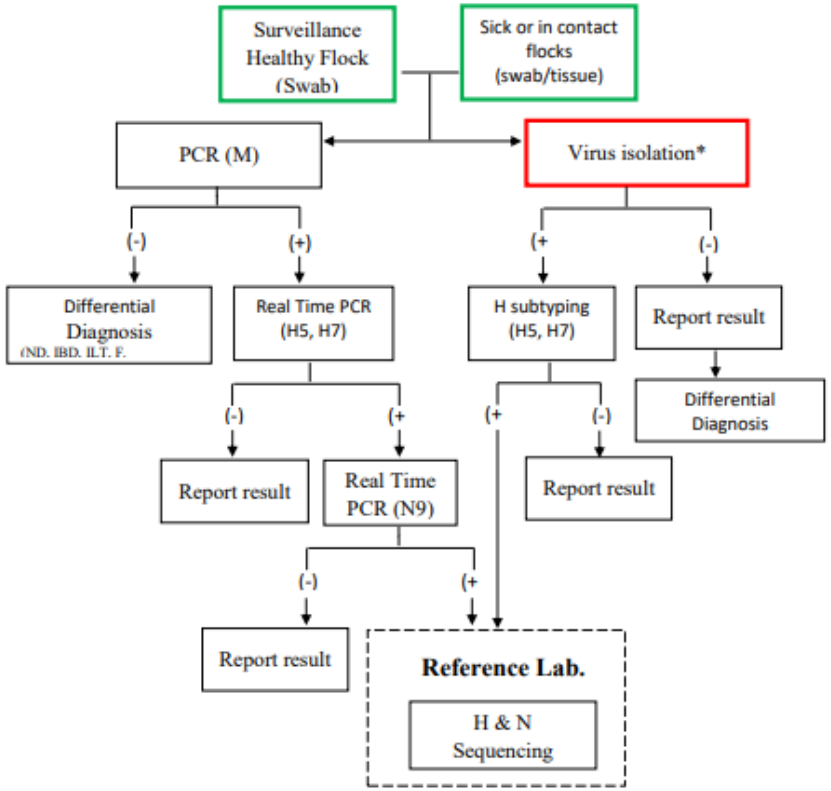
- While as of June 2024, a total of **129 samples** were collected from the provinces of **Bulacan, Capiz** and **Pangasinan** as well as in **Metro Manila**

Laboratory Capability

1. Department of Agriculture – Bureau of Animal Industry Animal Disease Diagnosis and Reference Laboratory (ADDRL)

Test	Specimen	Detects
Enzyme-linked Immunosorbent Assay (ELISA)	serum	antibody
Agar Gel Immunodiffusion test (AGID)	serum	antibody
Hemagglutination Inhibition (HI) test	serum	antibody
Real Time Polymerase Chain Reaction (qRT-PCR): Matrix (AIV A), H5, H7, H9, N1, N2, N6, N8, N9	swab, tissue	antigen (Southeast Asian H5 subtypes, H7 subtypes viruses (Australian), H9, N1, N2 N6, N8, N9 (China H7N9 strain)
Virus isolation in Embryonated egg	Swab, tissue	Antigen

Avian Influenza *Investigation* Laboratory Algorithm



World Organisation for Animal Health
Founded as OIE

Ministry of Agriculture, Food and Rural Affairs

ONE HEALTH POULTRY HUB

2. Regional AI Diagnostic Laboratories

Laboratory	Test
CAR	ELISA,
Region I (Pangasinan)	ELISA, HI
Region II (Tuguegarao)	ELISA, AGID, HI, Real Time PCR for Influenza Virus Type A
Region III (Tarlac)	ELISA, AGID, HI, Real Time PCR for Influenza Virus Type A
Region IV-A (Lipa City, Batangas)	ELISA, HI
Region IV-B (Mindoro Oriental)	ELISA
Region V (Albay)	ELISA, HI
Region VI (Iloilo)	ELISA
Region VII (Cebu)	ELISA, AGID, HI, Real Time PCR for Influenza Virus Type A
Region VIII (Leyte)	ELISA
Region IX (Zamboanga City)	ELISA, AGID, HI, Real Time PCR for Influenza Virus Type A
Region X (Cagayan de Oro)	ELISA, AGID, HI, Real Time PCR for Influenza Virus Type A
Region XI (Davao City)	ELISA, AGID, HI, Real Time PCR for Influenza Virus Type A
Region XII (General Santos)	ELISA, AGID, HI, Real Time PCR for Influenza Virus Type A
CARAGA (Agusan Del Norte)	ELISA
BARMM (Cotabato City)	--

San Miguel Food Inc. – Pampanga Laboratory

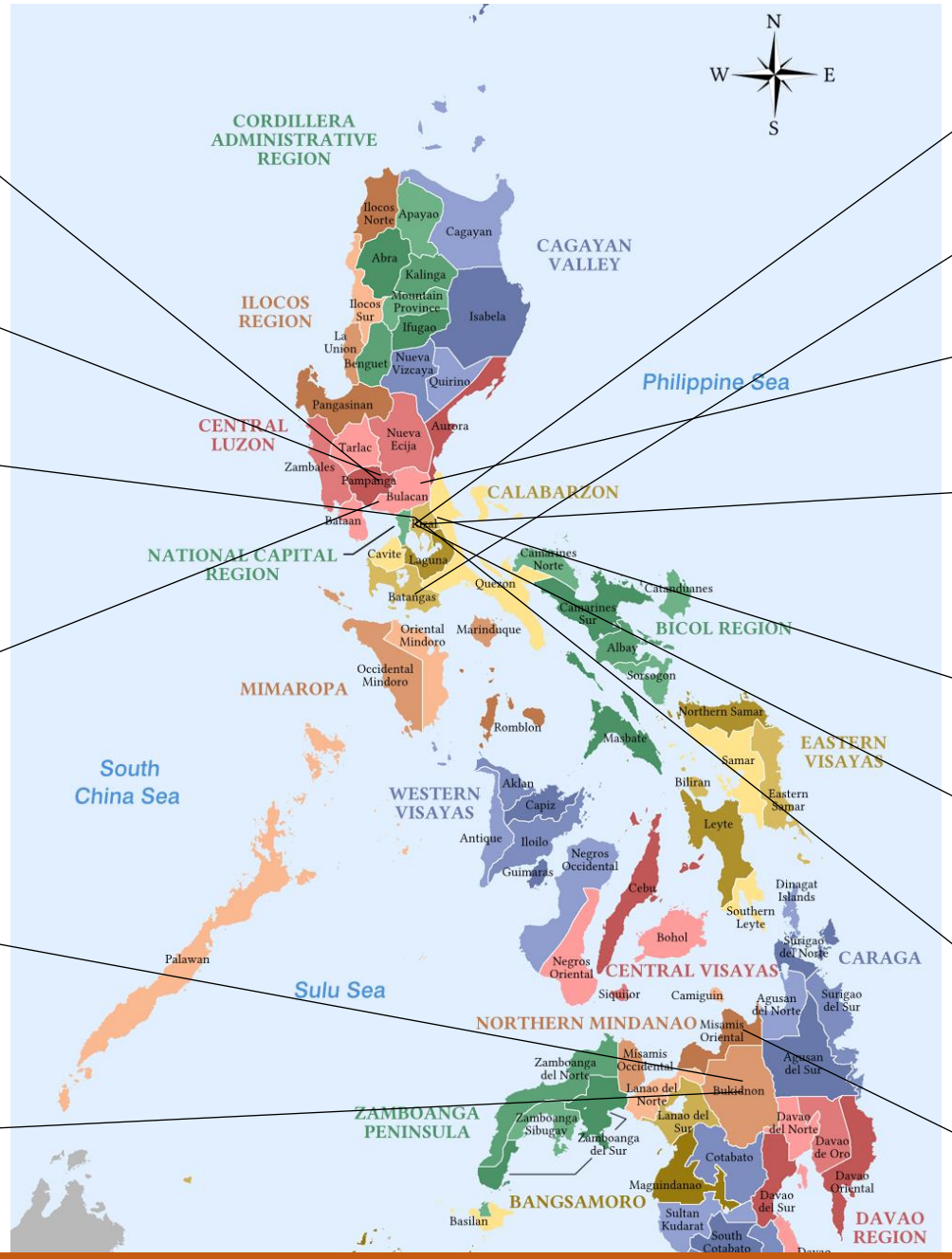
RDF Feed Livestock & Foods Inc.

Bounty Diagnostic Laboratory

Animal Health Diagnostic Center CPF Philippines Corp

CBM Diagnostic Laboratory Bounty Fresh Food Inc

San Miguel Food Inc. – Bukidnon Laboratory



Optifarm Solutions Laboratory

Bioassets

Foster Foods Inc

Robina labs

RPLAI Animal Diagnostic Laboratory Services

SGS Philippines Inc.

The Lab City

GAMA Animal Health diagnostic

(BAI MC No. 28, S. 2022) Authorization of private labs. to conduct AI testing during outbreak

AIPP Manual of Procedure: Review and Revision

- To update the stipulations and provisions based on the learning, experiences and best practices from the current situation –- ***including adoption of targeted vaccination as a complementary strategy against Avian Influenza, guidelines for indemnification, SOPs/guidelines upon detection of LPAI, etc.***

❖ AIPP-MOP Writeshop (April and May 2024):

- With the member of AIPP Technical Working Group:
  - ✓ Philippine College of Poultry Practitioner (PCPP);
  - ✓ DA Bureau of Animal Industry (National) and DA Regional Field Office (Sub-national)
  - ✓ Department of Environment and Natural Resources (Biodiversity Management Bureau)
  - ✓ Department of Health (Epidemiology Bureau & Disease Prevention and Control Bureau)
  - ✓ Provincial, City, Municipal Veterinarian's League of the Philippines (PCMVLP)

❖ Public Consultation Meeting (July 2024):

- Attended by the:
  - ✓ National and Local Veterinary Authorities;
  - ✓ Department of Health;
  - ✓ Department of Environment and Natural Resources;
  - ✓ Local Government Units;
  - ✓ Collegial Bodies (PCPP, PCMVLP, PCVPH, etc.)
  - ✓ Private Stakeholders and Poultry Groups

Challenges and solutions in implementing national plan

Challenges	Solutions (A brief description of how your country overcome the challenges)
❖ Limited capacity of regional laboratories	-Continuous capacitation of both the national and regional laboratories; - Collaboration with partners/institution in strengthening laboratory capacity and network
❖ Resistance of farmers and/or LGUs against depopulation and other disease control measures	- Increase awareness of the farmers through IEC campaign, etc.;
❖ Delayed reporting of suspected cases from field personnel	- Increase rate of indemnification to encourage reporting;
❖ Deviation and non-compliance to national policies/guidelines (e.g. movement regulation)	- Dialogue with local government implementers on how to better implement movement regulations to protect local poultry industry

Thank you

Anthony C. Bucad, DVM
Officer-in-Charge, Chief
Animal Health and Welfare Division
Bureau of Animal Industry
DEPARTMENT OF AGRICULTURE

anthony.bucad@bai.gov.ph

World Organisation for Animal Health
Founded as OIE

Ministry of Agriculture, Food and Rural Affairs

ONE HEALTH POULTRY HUB