

# FROM FURY TO JUSTICE: INCLUSIVE GRASSROOT INNOVATION AND DATA-DRIVEN HEALTH MANAGEMENT TOWARDS POLICY-MAKING

#### Gernelyn T. Logrosa, Ph.D.

Research Head, Mapúa Malayan Colleges Mindanao Project Leader, AMDABIDSS-Health Project RESILIEMC

#### May Anne E. Mata, Ph.D.

Professor 1 & University Scientist, University of the Philippines Mindanao Program and Project Leader, AMDABiDSS-Health Project PPASTOL

8th Mindanao Policy Research Forum (MPRF)
#CloseTheGap: Accelerating post-pandemic recovery through social justice
28 September 2022



Date: 8th Mindanao Policy Research Forum (MPRF):







RABIES: ZERO 2020- PROTECT SELF AND ACHIEVE ZERO BITES





HOME NATION

PROVINCIA

OPINION

BUSINESS

FEATURES SCITECH LTH FOREIGN

SPOR

S TRA

NVIRONMENT

Don't neglect cardiovascular diseases, diabetes: groups

By Ma. Cristina Arayata

Movember 23, 2021, 7:01 pm



Share 0







DOI: 10.14744/ejmo.2020.46287 EJMO 2020;4(2):135–136

# Eurasian Journal of Medicine Oncology

#### Letter to the Editor

# Double Trouble: Challenges of Cancer Care in the Philippines during the COVID-19 Pandemic

Frederic Ivan L. Ting, Gracieux Y. Fernando

Division of Medical Oncology, Department of Medicine, University of the Philippines - Philippine General Hospital, Manila, Philippine

https://www.reuters.com/world/asia-pacific/philippines-ease-some-tough-covid-19-restrictions-monday-2021-04-11/





#### **NOTICE TO** THE GENERAL PUBLIC

This is to inform the public of the REVISED CODING USE of the Food and Medicine Pass or FM Pass effective 12:01 AM of April 22, 2020.

LAST DIGIT: ONLY BE USED ON:

MONDAY WEDNESDAY FRIDAY

1, 3, 5, 7, 9

TUESDAY **THURSDAY** SATURDAY

2, 4, 6, 8, 0

> FM Pass holders are **required to indicate the Cluster Number and the last digit of their FM Pass.** Write these details on the back portion of the

FM Pass in large text/letters, using a marker/pentel pen.





## 100% of COVID ICU beds in Davao City's SPMC full due to surge

By ANTONIO L. COLINA IV - MAY 25, 2021 10:16 PM

DAVAO CITY (MindaNews / 25 May) — The COVID-19 beds of the state-owned Southern Philippines Medical Center (SPMC) are either fully occupied or nearly all

occupied due to a surge in cases.

All its 35 intensive care unit (ICU) beds (100%) and 273 of its 292 wa were reported to be occupied as of 12 noon on May 24, the SPMC pos page.









Sa mga nagpabakulam na, kailangan n nyo po hanggang dulo..

Maliwanag pa sa sikat ng araw ang sin ang bakulam ay para sa, D\*POPÜL\*T10N. @ @ 100

PRRD: "We can reduce population by 2 ATTY. PANELO: Sabi ni Dr. Duque at Ge mga Pilipino.

SHARE DOWNLOAD REUPLOAD

SO HINDI NA OVER

#### Mark DM is with DM Mark.

Mark DM is with DM Mark. July 28 at 7:41 AM - 3

Sa mga nagpabakulam na, kailangan ninyong mapanood ito at tapusin nyo po hanggang dulo.

Maliwanag pa sa sikat ng araw ang sinabi ni PRRD at Atty. Panelo na ang bakulam ay para sa, D\*P0PÜL\*T10N, ... ... 100

PRRD: "We can reduce population by 20% so hindi na overpopulated." ATTY, PANELO: Sabi ni Dr. Duque at General Galvez, "Guinea Pig" ang mga Pilipino.

SHARE DOWNLOAD REUPLOAD

#### PRRD:

"WE CAN REDUCE POPULATION BY SO HINDI NA OVER POPULAT

SABI NI SEC DUQUE AT GEN GA LA 22

SIGUINEA PIG" ANG MGA & LPIMO

**#FYTCOVID19:** 

# **Fighting Vaccine Misinformation**

A fact-checking initiative for student and community journalists

January 28-29, 2022 | FRIDAY to SATURDAY | 10:00 am - 12:00 pm LIVE on the YouTube channel of FYT

11 AUS

an ninyono

a sinabi ni l

by 20% so

at General (

#workingPCOO

www.pcoo.gov.ph





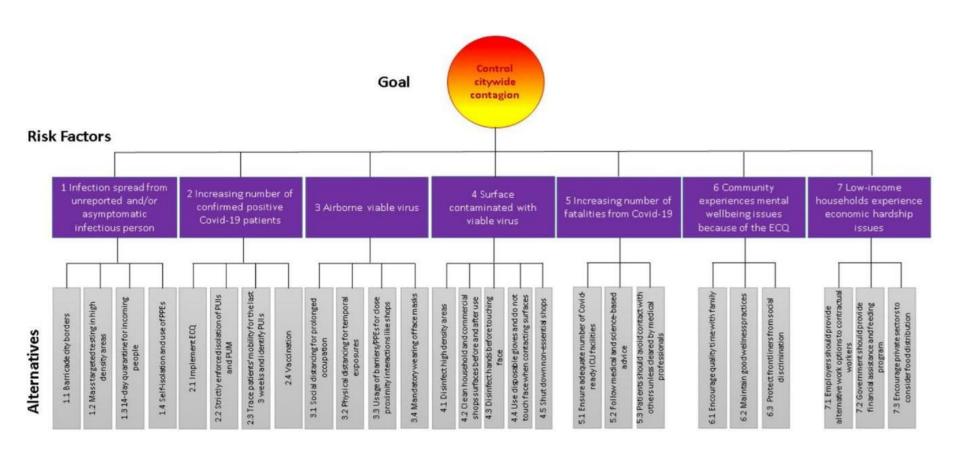
https://www.google.com/url?sa=i&url=https://www.google.com/url=https://www.google.com/url=https://www.google.com/url=https://www.google.com/url=https://www.google.com/url=https://www.google.com/url=https://www.google.com/url=https://www.google.com/url=https://www.google.com/url=https://www.google.com/url=https://www.google.com/url=https://www.google.com/url=https://www.google.com/url=https://www.google.com/url=https://www.google.com/url=https://www.google.com/url=https://www.google.com/url=https://www.google.com/url=https://www.google.com/url=https://www.google.co

d-business-fyt-media-google-go-local-t<mark>o-fight-vaccine</mark> /fe&ved=0CAwQiRxgFwoTCIC\_vNj8sPoCFQAAAAAdAAAAABAz



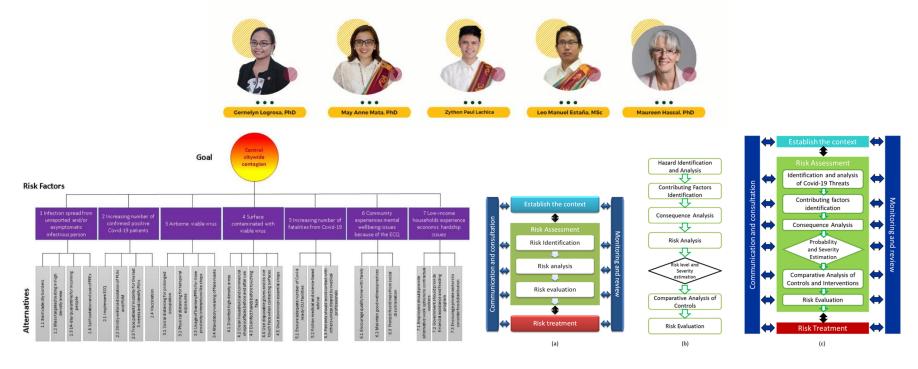
Hehttps%3A%2F%2Fwwn pite DmnP2Gsi&ust=1664231





# Risk Analysis AN INTERNATIONAL JOURNAL An Official Publication of the Society for Risk Analysis

# Integrating Risk Assessment and Decision-Making Methods in Analyzing the Dynamics of COVID-19 Epidemics in Davao City, Mindanao Island, Philippines



(ISO 31000)

RISK IDENTIFICATION

**RISK ANALYSIS** 

**RISK EVALUATION** 



(ISO 31000)

#### RISK IDENTIFICATION

structured process to identify and assess the risks we are dealing with on a day-to-day operation.

RISK ANALYSIS

**RISK EVALUATION** 









(ISO 31000)

RISK IDENTIFICATION

#### **RISK ANALYSIS**

- understanding the sources and causes of the identified risks

**RISK EVALUATION** 









(ISO 31000)

RISK IDENTIFICATION

**RISK ANALYSIS** 

#### **RISK EVALUATION**

-comparing risk analysis results with risk criteria to determine whether the residual risk is tolerable.









(ISO 31000)

RISK IDENTIFICATION

RISK ANALYSIS

**RISK EVALUATION** 

#### RISK TREATMENT

-changing the magnitude and likelihood of consequences, both positive and negative, to achieve a net increase in benefit.









#### **RISK IDENTIFICATION**









8th Mindanao Policy Research Forum (MPRF): Date:















#### **RISK IDENTIFICATION**





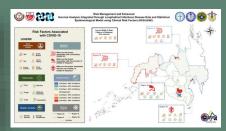






### RESILIEMC





#### **VATAS**

**Vulnerability index calculations for EMERGING INFECTIOUS DISEASES (EIDs)** 

Davao Region, Philippines from March 2020 to August 2021

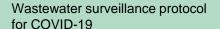






#### **iWAS**







Date: 8th Mindanao Policy Research Forum (MPRF): 28 Sep 2022

















#### **RISK IDENTIFICATION**













#### **VATAS**

Vulnerability index calculations for Emerging Infectious Diseases (EIDs)







#### **iWAS**







Date: 8th Mindanao Policy Research Forum (MPRF): 28 Sep 2022









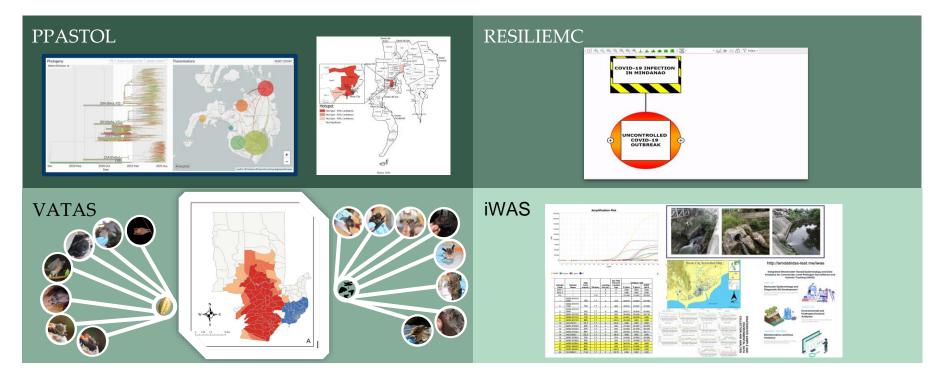












Date: 8th Mindanao Policy Research Forum (MPRF): 28 Sep 2022









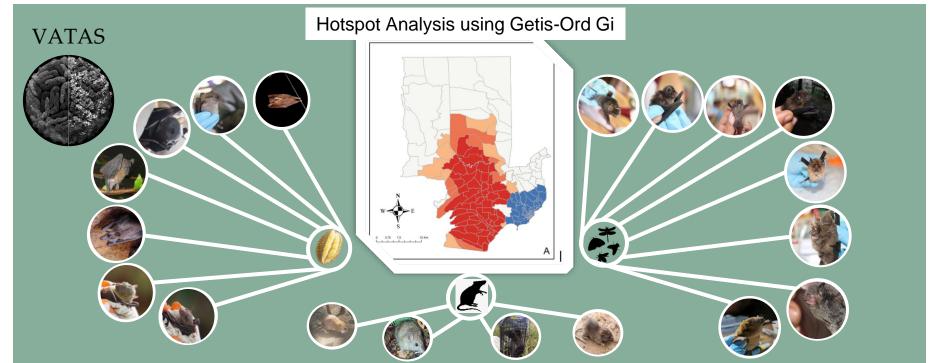












Date: 8th Mindanao Policy Research Forum (MPRF):









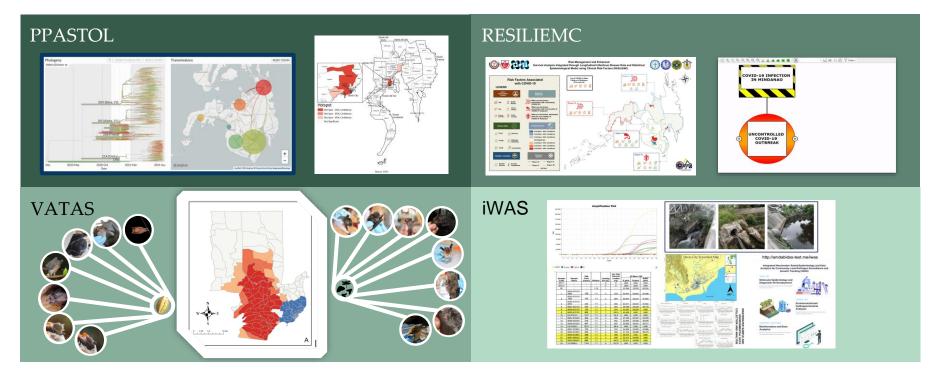












Date: 8th Mindanao Policy Research Forum (MPRF):









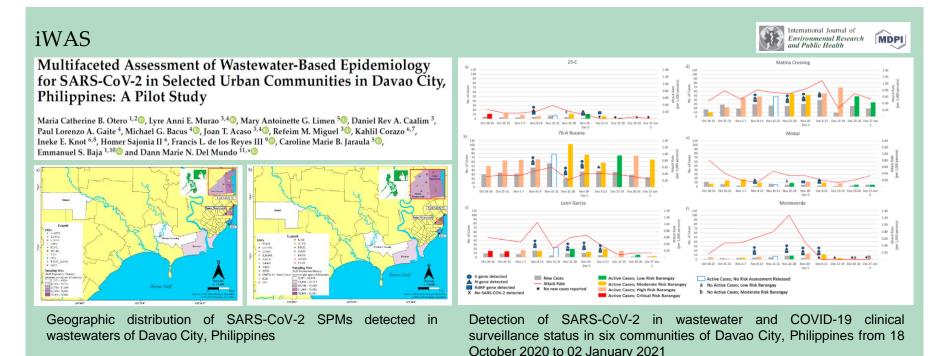












Date: 8th Mindanao Policy Research Forum (MPRF):









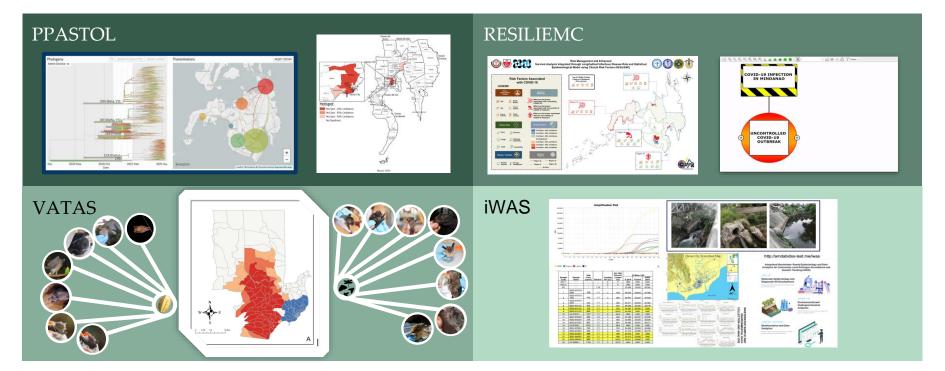












Date: 8th Mindanao Policy Research Forum (MPRF): 28 Sep 2022











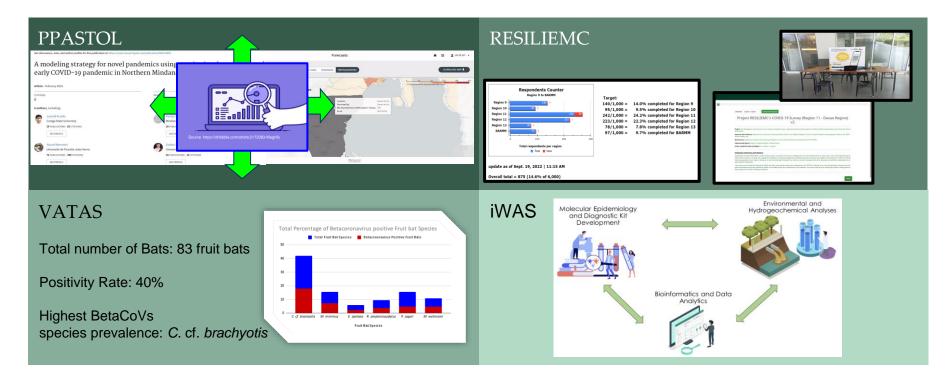




#### **RISK EVALUATION**







Date: 8th Mindanao Policy Research Forum (MPRF):











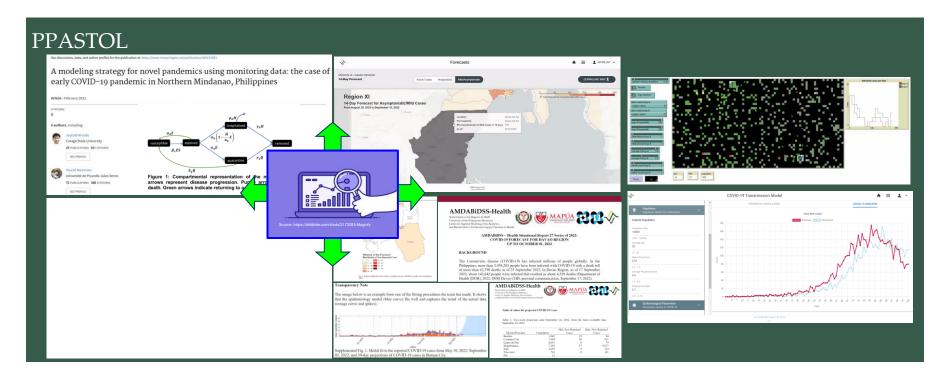




#### **RISK EVALUATION**







8th Mindanao Policy Research Forum (MPRF): Date:











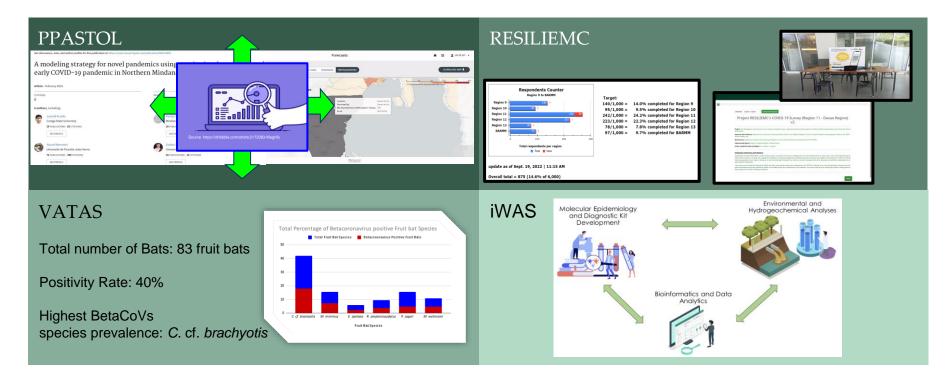




#### **RISK EVALUATION**







Date: 8th Mindanao Policy Research Forum (MPRF):















#### **RISK TREATMENT**

# THE JUSTICE

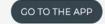


ABOUT

SERVICES

DISEASES





DIAGNOSTIC

**PREDICTIVE** 

**PRESCRIPTIVE** 

# DiWa: Disease Watch

A virtual planning tool and integrative platform to empower decision-makers for pandemic management in Mindanao.



Date:

8th Mindanao Policy Research Forum (MPRF):

























Center for Applied Modeling, Data Analytics, and Bioinformatics for Decision Support System in Health

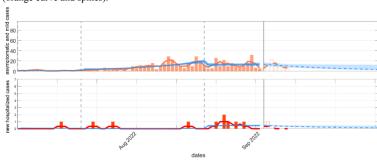
Predictive Modeling and Viral Phylodynamic Analysis On the Spatial and Temporal Patterns of Disease Outbreaks with Considerations for Control and Logistics Applied in Mindanao Region

#### Situational Report No. 63

Time-varying Reproduction Number in Davao Region and its Provinces (Including Davao City) as of 10 September 2022

#### **Transparency Note**

The image below is an example from one of the fitting procedures the team has made. It shows that the epidemiology model (blue curve) fits well and captures the trend of the actual data (orange curve and spikes).



Supplemental Fig. 1. Model fit to the reported COVID-19 cases from July 03, 2022- September 02, 2022, and 30-day projections of COVID-19 cases in Davao del Norte.

#### Date: 8th Mindanao Policy Research Forum (MPRF):

From Fury to Justice: Inclusive Grassroot innovation and Data-Driven Health 28 Sep 2022 Management Towards Policy-Making



Davao Region Total

Positive Cases as of

10 September 2022

1 - 1000

1001 - 2000

2001 - 3000

3001 - 4000

4001 - 5000

6001 - 7000

7001 - 8000

Fig. 1. Distribution of the cumulative COVID-19 positive cases per 100,000 in the Davao Region based

on the latest collected data as of 10 September 2022.





collected data as of 10 September 2022.





Fig. 2. Distribution of the cumulative COVID-19 active cases per 100,000 in the Davao Region based on the lates



**Davao Region Total** 

**Active Cases as of** 

10 September 2022

0

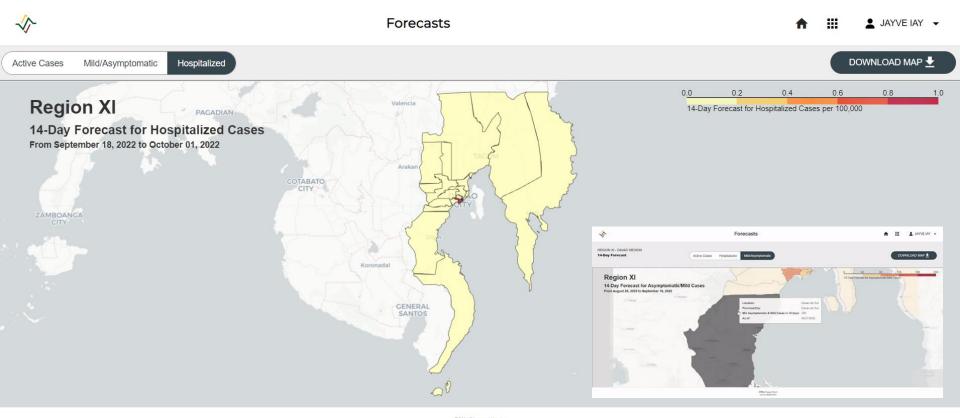
1 - 20

21 - 40

41 - 60 61 - 80

81 - 100





DiWa: Disease Watch Version 2022.09.01

#### Date: 8th Mindanao Policy Research Forum (MPRF):















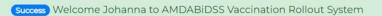


#### Vaccination Rollout













#### **OPEN VACCINE STATIONS**

"What to open?"





#### CREATE VACCINATION SCHEDULE

"Who, when and where?"

PROCEED







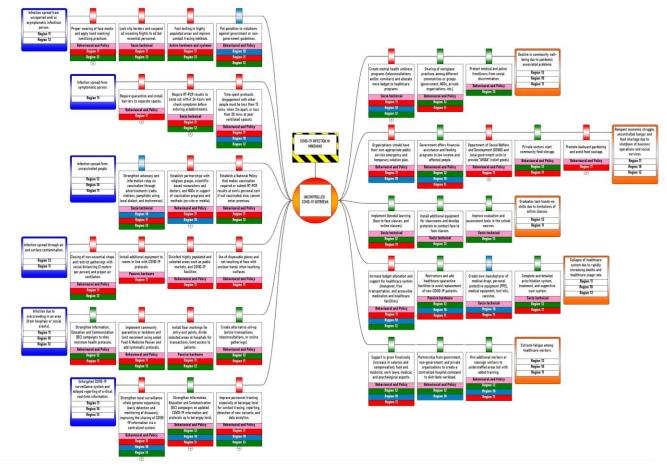






#### Legend:

Region 9 Region 10 Region 11 Region 12 Region 13 BARMM



#### Date: 8th Mindanao Policy Research Forum (MPRF):







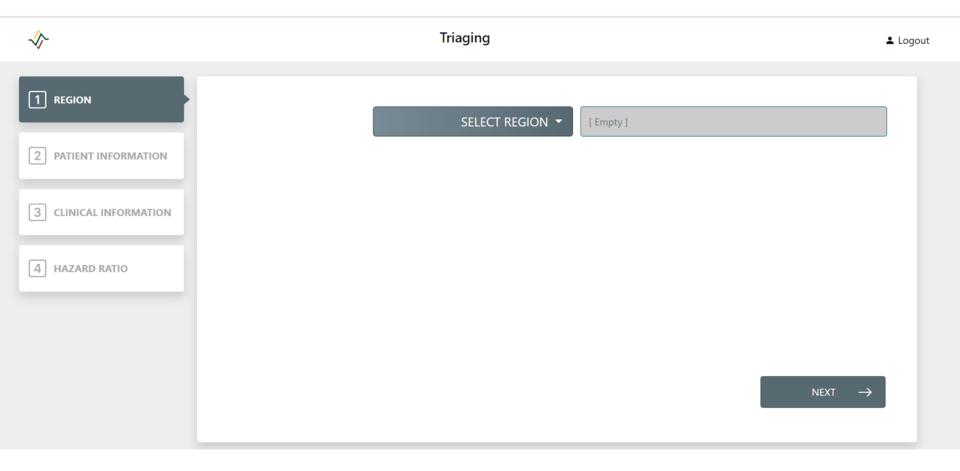








# Coronavirus









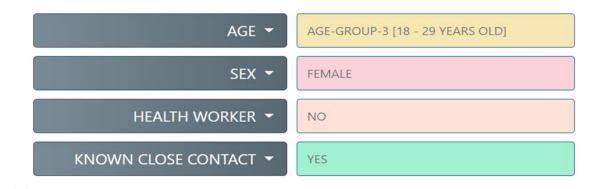














99.62 %

DIAKKHEA YES DIFFICULTY BREATHING ▼ YES COMORBIDITY ▼ YES

Date: 8th Mindanao Policy Research Forum (MPRF):























# MINDANAOAN

**DiWa: Disease Watch** 

A virtual planning tool and integrative platform to empower decision-makers for pandemic management in Mindanao.









b.		DOVID-19 Trunsmission Model		* =	± .
& HOLES & RAD		SWITE IC PROGRAM		0040-19.8680/565	
Grangenton Structure configurations		Generated Population Data			
Challes selpentes		Population seeded from	terrorises.		
-	0	Population size			
2024141		Amorage			
Stage Showston.	0	Amagrapes			
		Amiground district			
Existe		Singleyment sale			
			Name Man		
Seator Population					
Parallel State					
Authorities right					

















































