Measuring Gender-Climate Change Statistics: The Philippine Experience

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18th Meeting of the Inter-Agency and Expert Group on Gender Statistics (IAEG-GS)

03 December 2024

Outline of Presentation

- The Philippine Statistics Authority
- Framework for the Development of Environment Statistics x Climate Change Statistics
- The Compendium on Philippine Environment Statistics (CPES)
- Ways Forward

The Philippine Statistics Authority

The Philippine Statistics Authority

Established on **September 12, 2013,** pursuant to **RA 10625**, also known as the "Philippine Statistical Act of 2013"

Republic Act No. 11315

Republic Act No. 11055

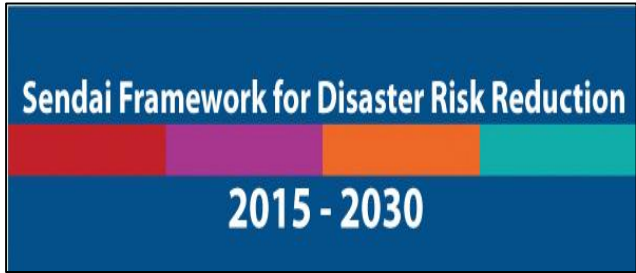# The Philippine Statistics Authority

environmental accounts

environment statistics and indicators

Environment and Natural Resources Accounts Division
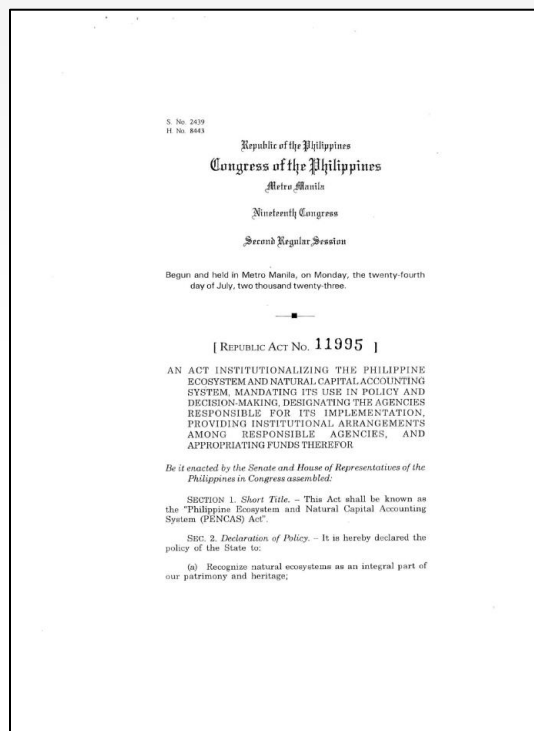
ecosystem accounts

natural capital accounts

Policy Relevance of Environment Statistics

Policy Relevance of Environment Statistics

RA No. 11995 or the Philippine Ecosystem and Natural Capital Accounting System Act

- Signed into law on 22 May 2024

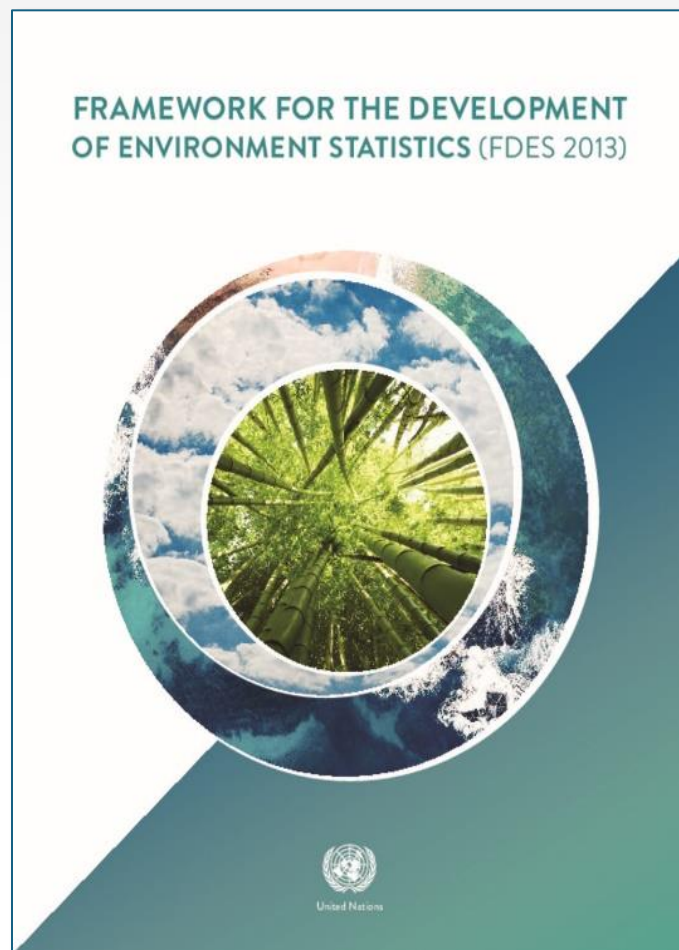- Ongoing preparation of the Implementing Rules and Regulations

Framework for the Development of Environment Statistics x Climate Change Statistics

Framework for the Development of Environment Statistics (FDES)

"A flexible, multipurpose conceptual and statistical framework that is comprehensive and integrative in nature and marks out the scope of environment statistics. It provides an organizing structure to guide the collection and compilation of environment statistics at the national level. It brings together data from the various relevant subject areas and sources, covering the issues and aspects of the environment that are relevant for policy analysis and decision-making."

Scope of FDES
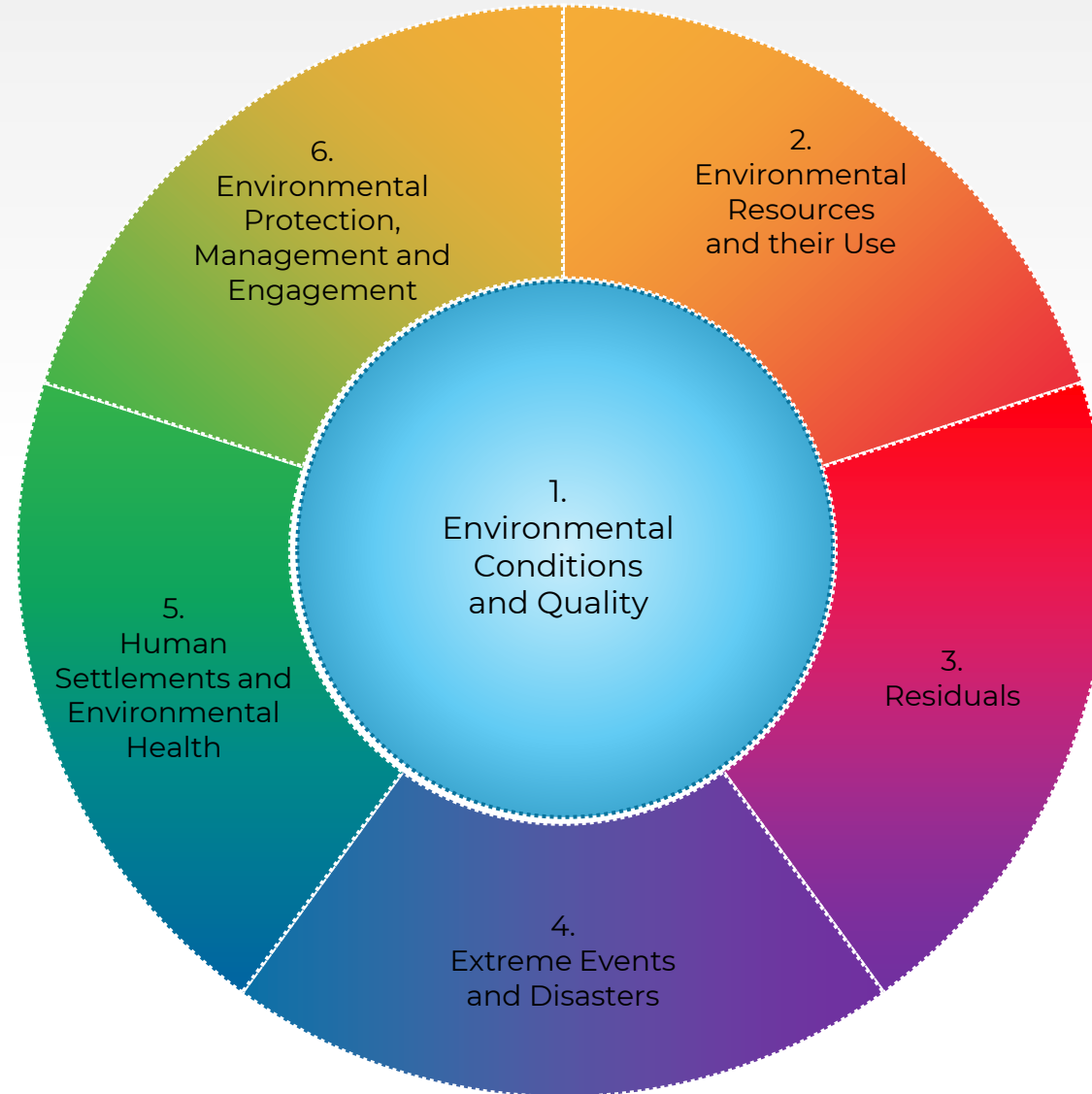
FDES x Climate Change Statistics

Climate Process Drivers

Subcomponent 1.3: Environmental Quality	Subcomponent 3.1: Emissions to Air
1.3.1 Air quality	3.1.1 Emissions of greenhouse gases 3.1.2 Consumption of ozone depleting substances (ODS), by substance

Climate Change Evidence

Subcomponent 1.1: Physical Conditions	Subcomponent 4.1: Natural Extreme Events and Disasters
1.1.1 Atmosphere, climate and weather 1.1.2 Hydrographical characteristics	4.1.1 Occurrence of natural extreme events and disasters

Climate Change Impacts and Vulnerability

| Subcomponent 1.1: Physical Conditions	Subcomponent 1.2: Land Cover, Ecosystems and Biodiversity	Subcomponent 1.3: Environmental Quality	Subcomponent 2.3: Land	Subcomponent 4.1: Natural Extreme Events and Disasters	Subcomponent 5.1: Human Settlements	Subcomponent 5.2: Environmental Health
1.1.2 Hydrographical characteristics 1.1.4 Soil characteristics	1.2.1 Land cover 1.2.2 Ecosystems and biodiversity 1.2.3 Forests	1.3.3 Marine water quality	2.3.1 Land use	4.1.2 Impact of natural extreme events and disasters	5.1.3 Housing conditions	5.2.3 Vector borne diseases 5.2.4 Health problems associated with excessive UV radiation exposure

Mitigation and Adaptation

Subcomponent 2.2: Energy Resources	Subcomponent 6.1: Environmental Protection and Resource Management Expenditure	Subcomponent 6.2: Environmental Governance and Regulation	Subcomponent 6.3: Extreme Event Preparedness and Disaster Management
2.2.2 Production, trade and consumption of energy	6.1.1 Government environmental protection and resource management expenditure 6.1.2 Corporate, non-profit institution and household environmental protection and resource management expenditure	6.2.2 Environmental regulation and instruments 6.2.3 Participation in MEAs and environmental conventions	6.3.1 Preparedness for natural extreme events and disasters

Source: United Nations 2013 Framework for the Development of Environment Statistics
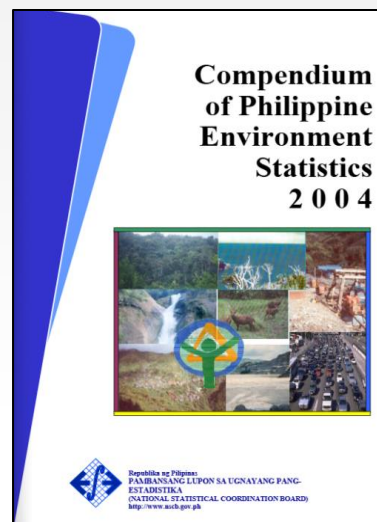
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The Compendium of Philippine Environment Statistics
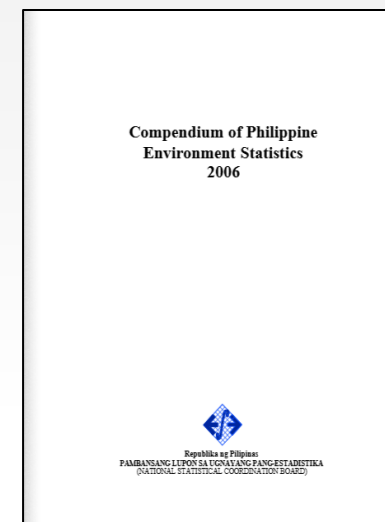
Compendium of Philippine Environment Statistics (CPES)
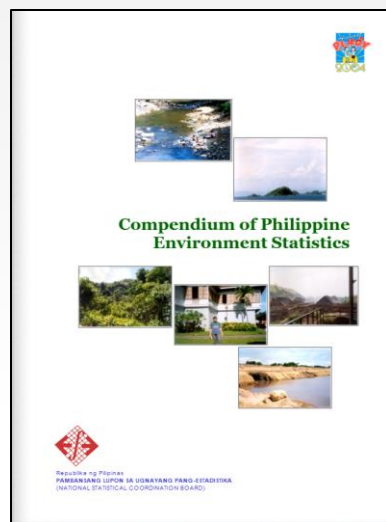
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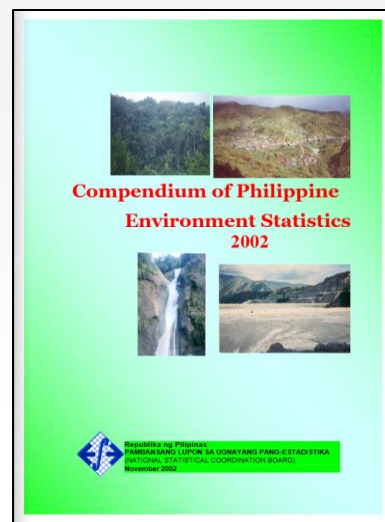
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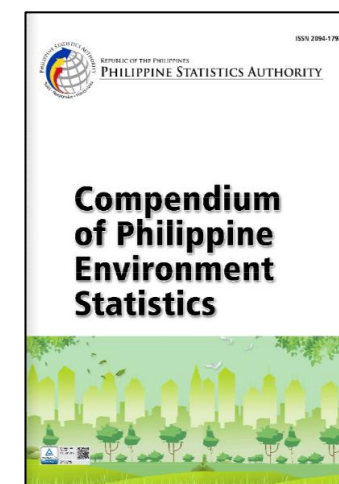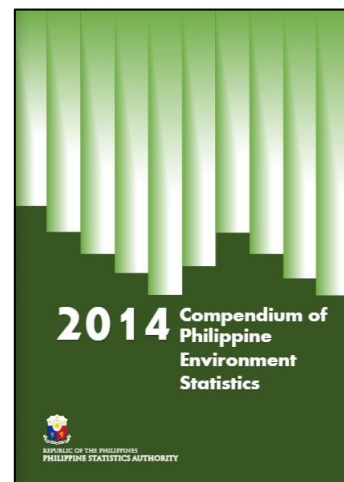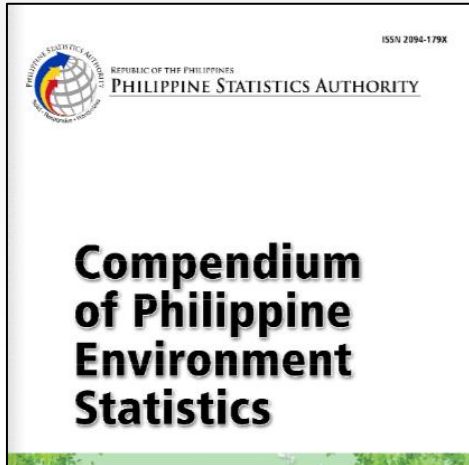2004

2006

2008


2014

2016

2010-2019
2012-2022

CPES

- Covers the Six (6) Components of FDES
- Compilation of environment and environment-related statistics from various agencies
- Starting 2022, CPES is updated annually
- Regional compilation of environment statistics through the Regional Statistical Services Office of PSA – 8 Regions are Updating and Compiling their Regional Environment Statistics
- Conducted trainings for the data source agencies and PSA Regional Offices

CPES

- Modular publication of six components: Press Release, Highlights, Technical Notes, Infographics, Social Media Cards, Statistical Tables
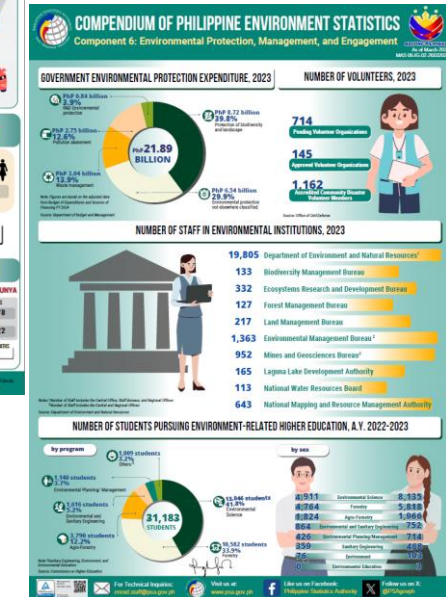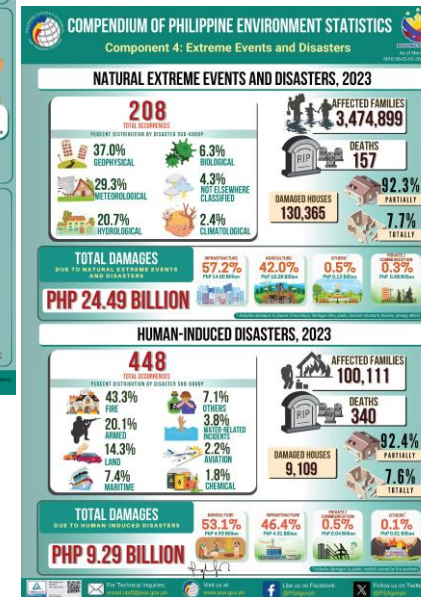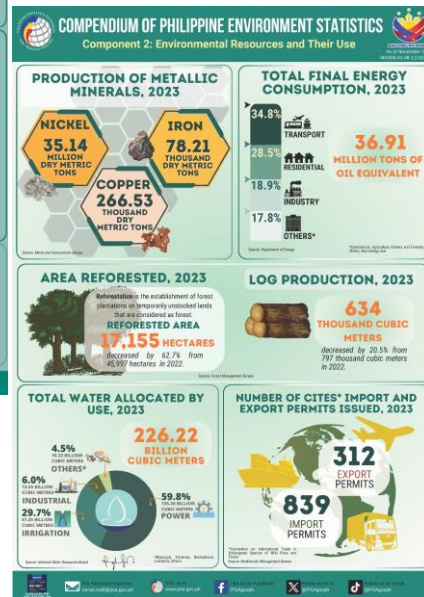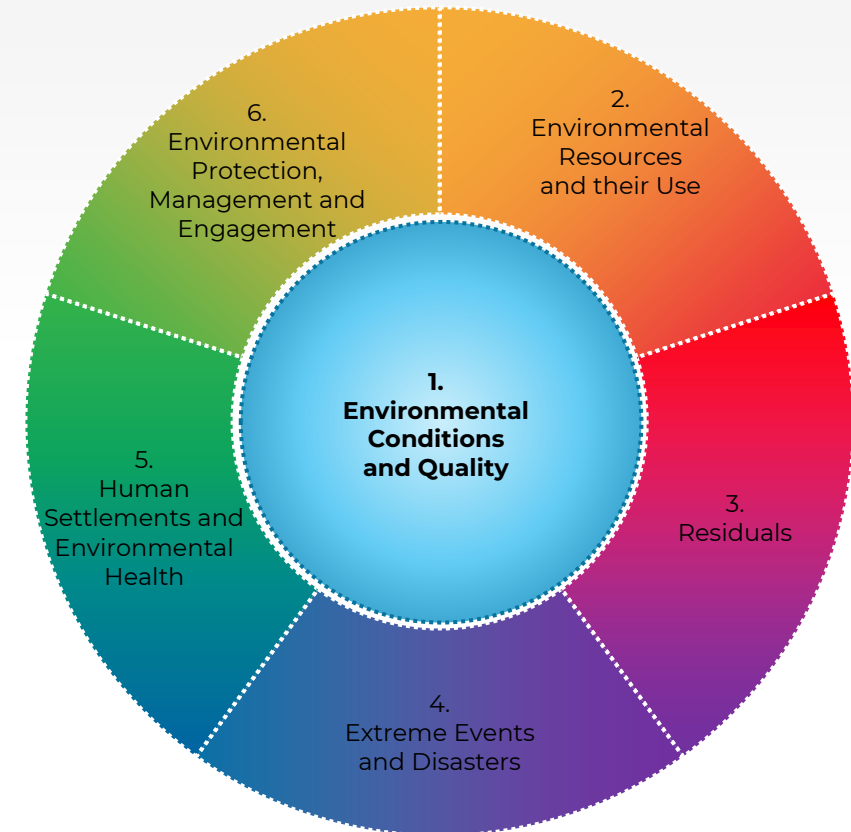
CPES x Gender Statistics
Data Sources

Component 5: Human Settlements and Environmental Health

Component 6: Environmental Protection, Management, and Engagement

CPES x Gender Statistics

Component 5: Human Settlements and Environmental Health

Airborne Diseases
(number of cases and deaths by sex)

- Measles
- Acute Lower Respiratory and Tract Infection

Water-borne Diseases
(number of cases and deaths by sex)

- Typhoid and Paratyphoid Fever
- Acute Bloody Diarrhea
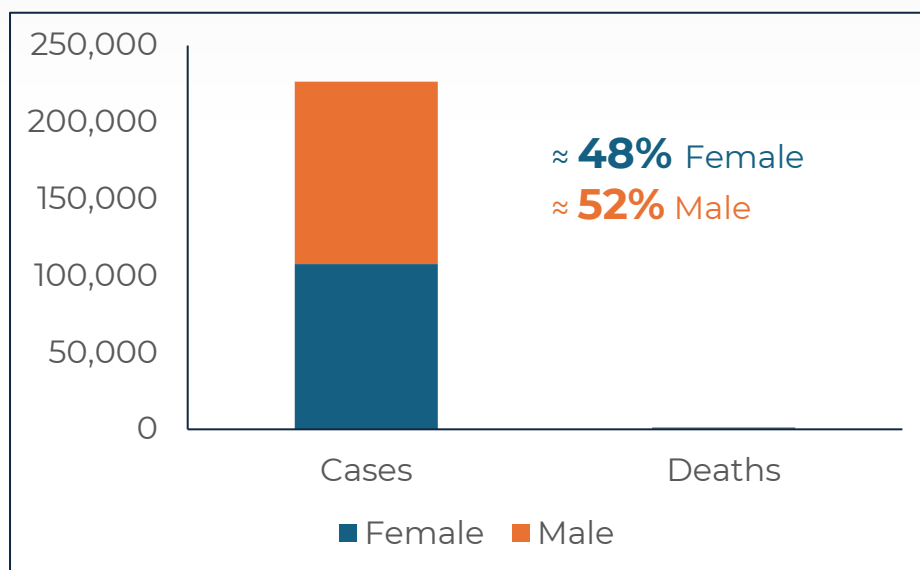- Cholera
- Viral Hepatitis
- Rotavirus
- Leptospirosis

Vector-borne Diseases
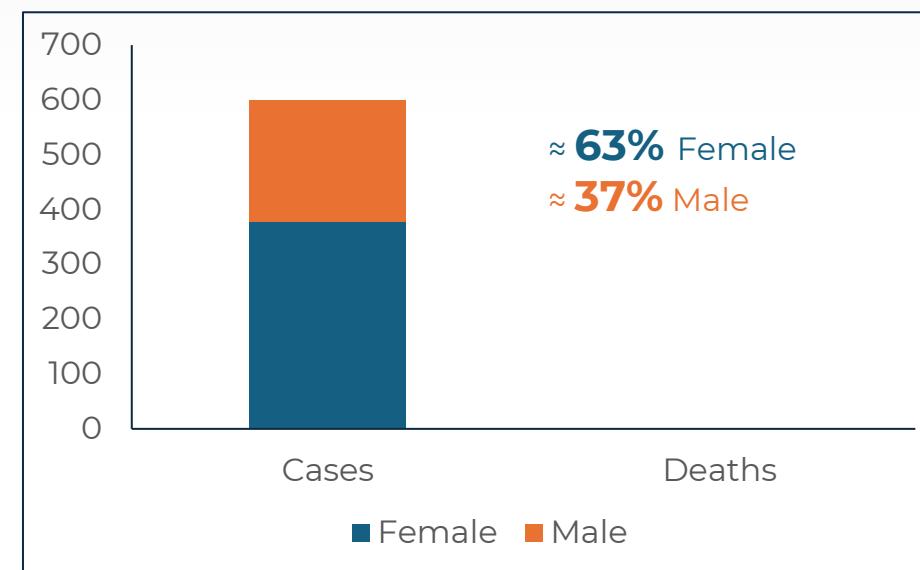(number of cases and deaths by sex)

- Dengue
- Chikungunya
- Malaria

CPES x Gender Statistics x Climate Change Statistics

Figure 1. Dengue: Number of Cases and Deaths, by Sex, 2022

≈ **48%** Female
≈ **52%** Male

Cases | Deaths

■ Female ■ Male

Data sources:
Cases: Department of Health
Deaths: Philippine Statistics Authority

Figure 2. Chikungunya: Number of Cases and Deaths, by Sex, 2022

≈ **63%** Female
≈ **37%** Male

Cases | Deaths

■ Female ■ Male

Data sources:
Cases: Department of Health
Deaths: Philippine Statistics Authority

CPES x Gender Statistics x Climate Change Statistics

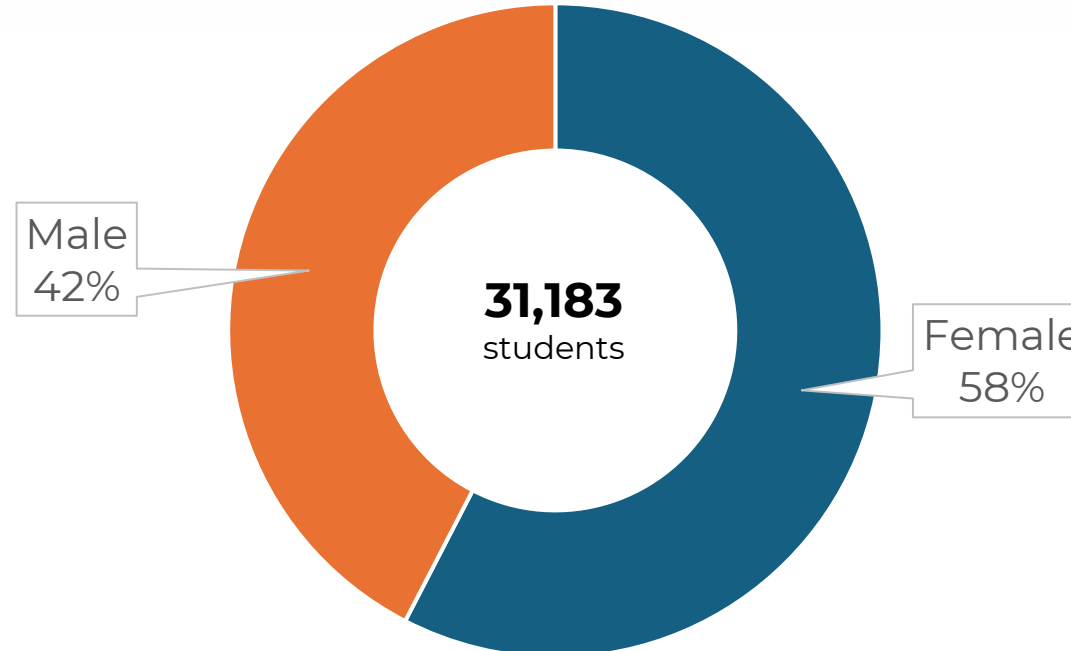Figure 3. Malaria: Number of Cases and Deaths, by Sex, 2022

≈ **45%** Female
≈ **55%** Male
100% Male

Legend: Female, Male

CPES x Gender Statistics

Component 6: Environmental Protection, Management, and Engagement

Number of Students Pursuing Environment-Related Higher Education

Male 42%

Female 58%

31,183 students

Ways Forward

- Continuous conduct of technical capacity development activities with stakeholders for better appreciation and understanding of the compilation of environment statistics and indicators

- Strengthen coordination and collaboration with partner agencies through TWGs and IACs for better provision of more granular data

- Use of other data sources, e.g., administrative data, big data, etc., in the compilation of environment statistics and indicators

- Possible inclusion of questions on gender-related information in existing instruments

- Active participation in various local and international engagements

- Execution of the PENCAS Act's Implementing Rules and Regulations once approved

Thank you

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