SMALL AREA ESTIMATION OF COMPREHENSIVE KNOWLEDGE OF WOMEN AGES 15 TO 49 YEARS ON HUMAN IMMUNODEFICIENCY VIRUS IN THE PHILIPPINES
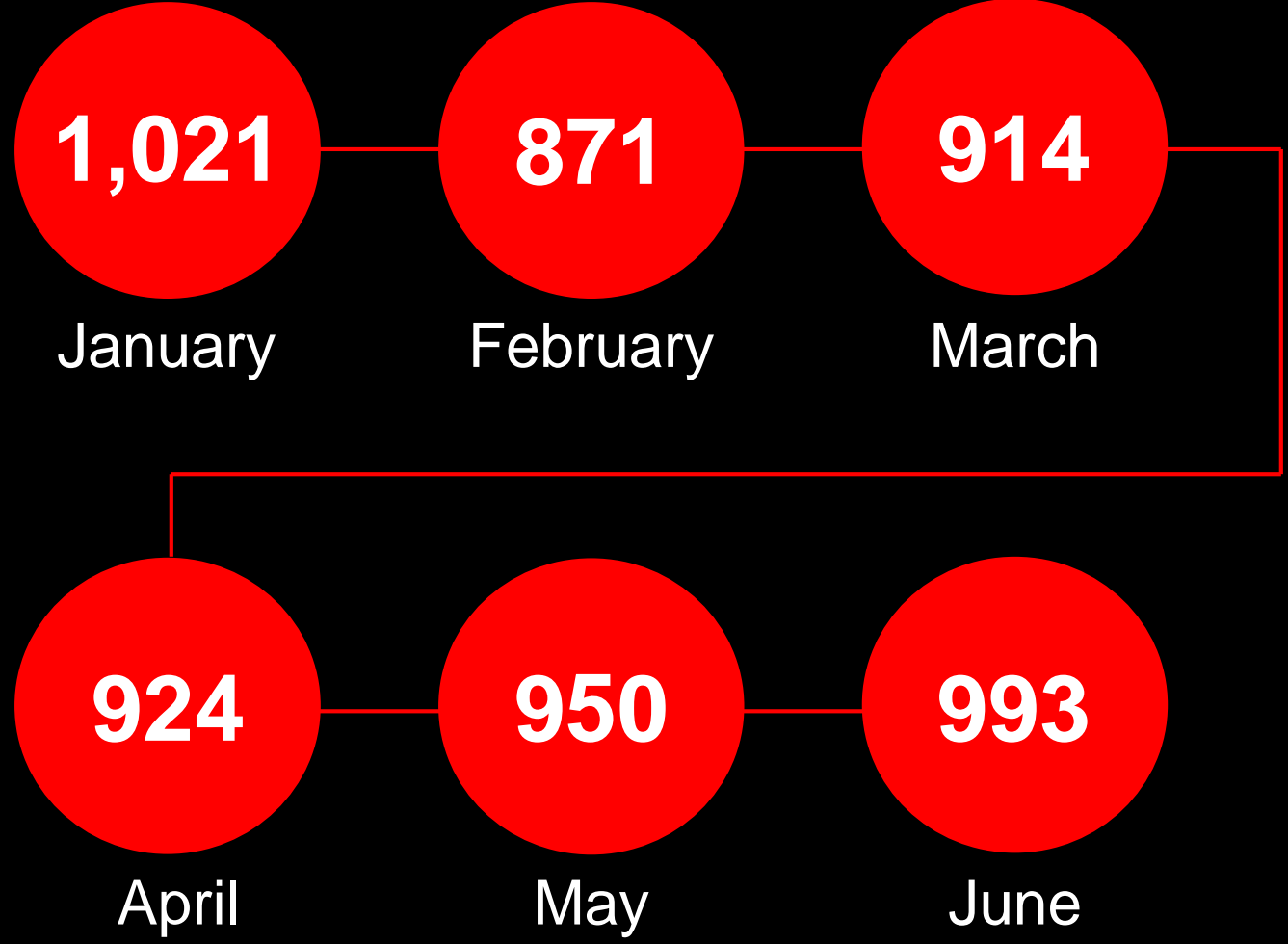
Presented by

Jenny G. Amora

Philippine Statistics Authority

Outline

- Introduction
- Objectives
- Methodology
- Results and Discussion
- Summary and Conclusion

Objectives

- To generate provincial estimates on the comprehensive knowledge of women ages 15 to 49 years of age on HIV

- To determine the provinces with low percentage of women with comprehensive knowledge on HIV

14th NCS National Convention on Statistics
1-3 October 2019 | Crowne Plaza Manila Galleria
Organized by the Philippine Statistical System
Spearheaded by the Philippine Statistics Authority

Methodology

1
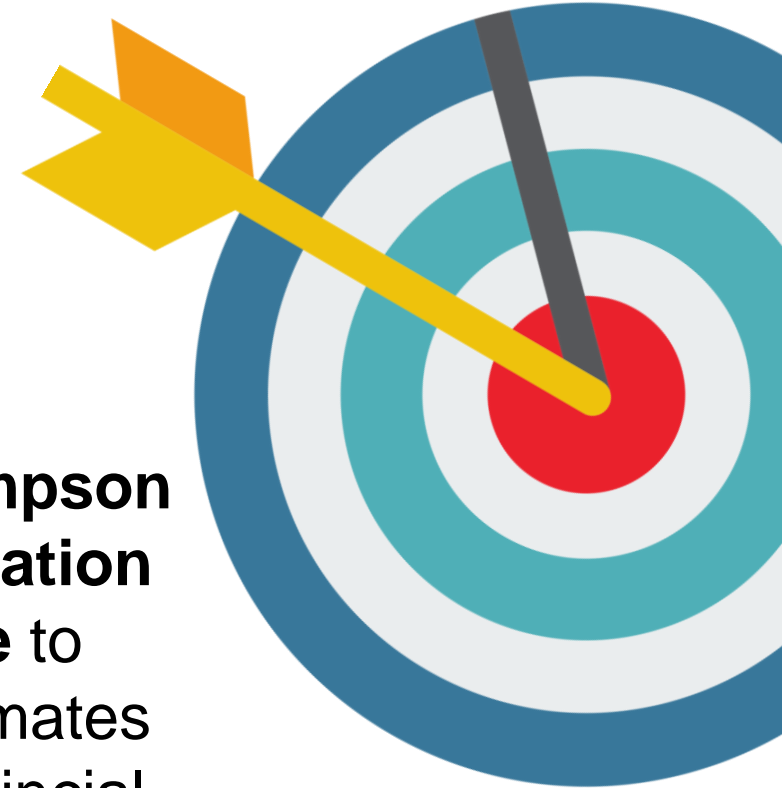
Request secondary data from **The DHS Program** (NDHS 2017)

2

Generate the *Comprehensive Knowledge of Women ages 15 to 49 on HIV* variable

3

Apply **Horvitz-Thompson Direct Estimation Technique** to produce estimates down to provincial level

14th NCS National Convention on Statistics
1-3 October 2019 | Crowne Plaza Manila Galleria
Organized by the Philippine Statistical System
Spearheaded by the Philippine Statistics Authority

Results and Discussion

Number and Percentage Distribution of Provinces by CV Range

CV Range	Classification	Provinces	
		No.	**%**
Total		**87**	**100.0**
≤ 12.0%	High Reliability	36	41.4
12.1% - 40.0%	Medium Reliability	51	58.6
> 40.0%	Low Reliability	0	0.0

14th NCS National Convention on Statistics
1-3 October 2019 | Crowne Plaza Manila Galleria
Organized by the Philippine Statistical System
Spearheaded by the Philippine Statistics Authority

Results and Discussion

Top 10 Provinces with Highest Percentage of Women with Comprehensive Knowledge on HIV

Province (Region)	%	CV	CV Classification
1. Surigao del Sur (XIII)	61.9	6.4	High
2. Benguet (CAR)	52.9	10.2	High
3. Ifugao (CAR)	42.8	12.2	Medium
4. Cotabato City (XII)	42.3	12.1	Medium
5. Guimaras (VI)	42.1	7.6	High
6. Romblon (MIMAROPA)	41.8	12.1	Medium
7. Davao del Norte (XI)	40.7	14.4	Medium
8. Cavite (IVA)	40.2	13.0	Medium
9. Mountain Province (CAR)	37.5	20.0	Medium
10. Abra (CAR)	37.2	13.3	Medium

14th NCS National Convention on Statistics
1-3 October 2019 | Crowne Plaza Manila Galleria
Organized by the Philippine Statistical System
Spearheaded by the Philippine Statistics Authority

Results and Discussion

Top 10 Provinces with Lowest Percentage of Women with Comprehensive Knowledge on HIV

Province (Region)	%	CV	CV Classification
1. Tawi-Tawi (ARMM)	3.4	37.1	Medium
2. Sulu (ARMM)	7.3	35.3	Medium
3. Davao Occidental (XI)	8.5	21.3	Medium
4. Isabela (II)	10.0	14.7	Medium
5. Quirino (II)	10.3	19.2	Medium
6. Iloilo (VI)	10.9	15.4	Medium
7. Pangasinan (I)	11.7	25.4	Medium
8. Cagayan (II)	12.0	24.7	Medium
9. Negros Oriental (VII)	12.3	27.8	Medium
10. Catanduanes (V)	12.5	20.1	Medium

14th NCS National Convention on Statistics
1-3 October 2019 | Crowne Plaza Manila Galleria
Organized by the Philippine Statistical System
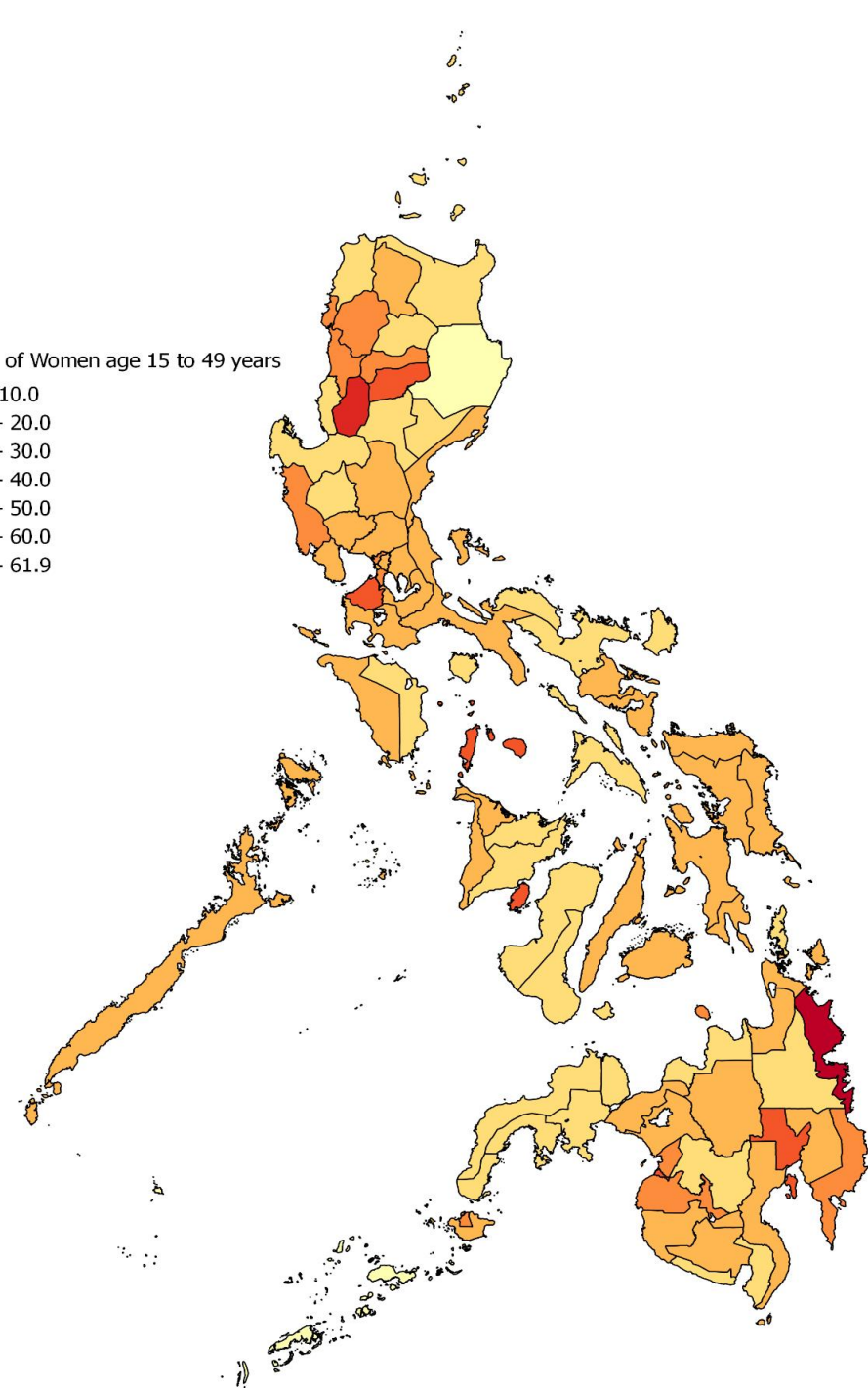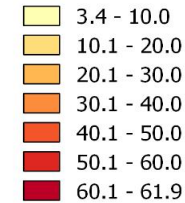Spearheaded by the Philippine Statistics Authority

Summary and Conclusion

- Most of the women ages 15 to 49 years who live near the metro cities, City of Manila, Cebu City, and Davao City, have more comprehensive knowledge on HIV.

- Only few women between ages 15 to 49 living in the provinces of ARMM have comprehensive knowledge on HIV.

Legend

Percentage of Women age 15 to 49 years

- 3.4 - 10.0
- 10.1 - 20.0
- 20.1 - 30.0
- 30.1 - 40.0
- 40.1 - 50.0
- 50.1 - 60.0
- 60.1 - 61.9

Thank you!

14th NCS National Convention on Statistics
1-3 October 2019 | Crowne Plaza Manila Galleria
Organized by the Philippine Statistical System
Spearheaded by the Philippine Statistics Authority