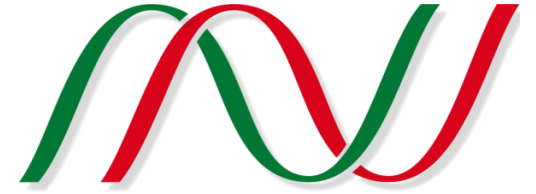




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وزارة الصحة الفلسطينية



المعهد الوطني الفلسطيني للصحة العامة
The Palestinian National Institute of Public Health

Population-Based Age-Stratified Seroepidemiological Study in Palestine

Preliminary Results

February 2021

Introduction

- Comparative Study (54 countries)
- Cooperation between MoH, WHO, PNIPH, PCBS
- Palestine is one of the first Arab countries to produce results
- Palestine is one of the few countries GLOBALLY that conducted a National Sero Prevalence survey
- Sample analysis within MoH was done in record time
- Study reflects the sero prevalence until the first week of January 2021

Survey Objectives

- Define the age/sex-specific prevalence of COVID-19 among the general population in the West Bank and Gaza using seroprevalence testing
- Examine the differences between different strata (regions and areas in Palestine, and comparison between them)
- Provide a population-based denominator of infections to define the infection-fatality rate (IFR) of the disease
- Estimate the ratio of sex-specific symptomatic to asymptomatic cases in West bank and Gaza populations

Methodology

- Multistage stratified household random sampling in two regions (Gaza and West Bank)
- Each divided into:
 - **Regions** (North, Center, and South), stratified into:
 - **Areas** (urban, rural, and refugee camp) – Gaza has no significant rural population
- 95% confidence interval; 50% prevalence; 5% margin of error; design effect of 1
- High specificity/sensitivity ELISA tests
- Total sample size: 6,136 individuals (3,682 WB, 2,454 GS)
- Two samples taken from each household (one male, one female)

Methodology

- **Inclusion Criteria:** All individuals over the age of **10**, irrespective of known prior COVID-19 infection
- **Exclusion Criteria:**
 - All individuals who refuse or are unable to give informed consent
 - All individuals who present contraindications to venipuncture
 - Individuals with conditions that make sampling them potentially harmful
 - Individuals current infected with COVID-19

Sample Characteristics

Gaza

Female	1,188	50%
Male	1,186	50%
Age	Total	% of Total
10-19	427	18%
20-29	423	18%
30-39	486	20%
40-49	378	16%
50-59	323	14%
60-69	215	9%
70-79	106	4%
80+	16	1%

Main Findings | Gaza

Population	1,943,398
Samples	2,389
Seroprevalence	41%
Response Rate	81%

RESULTS

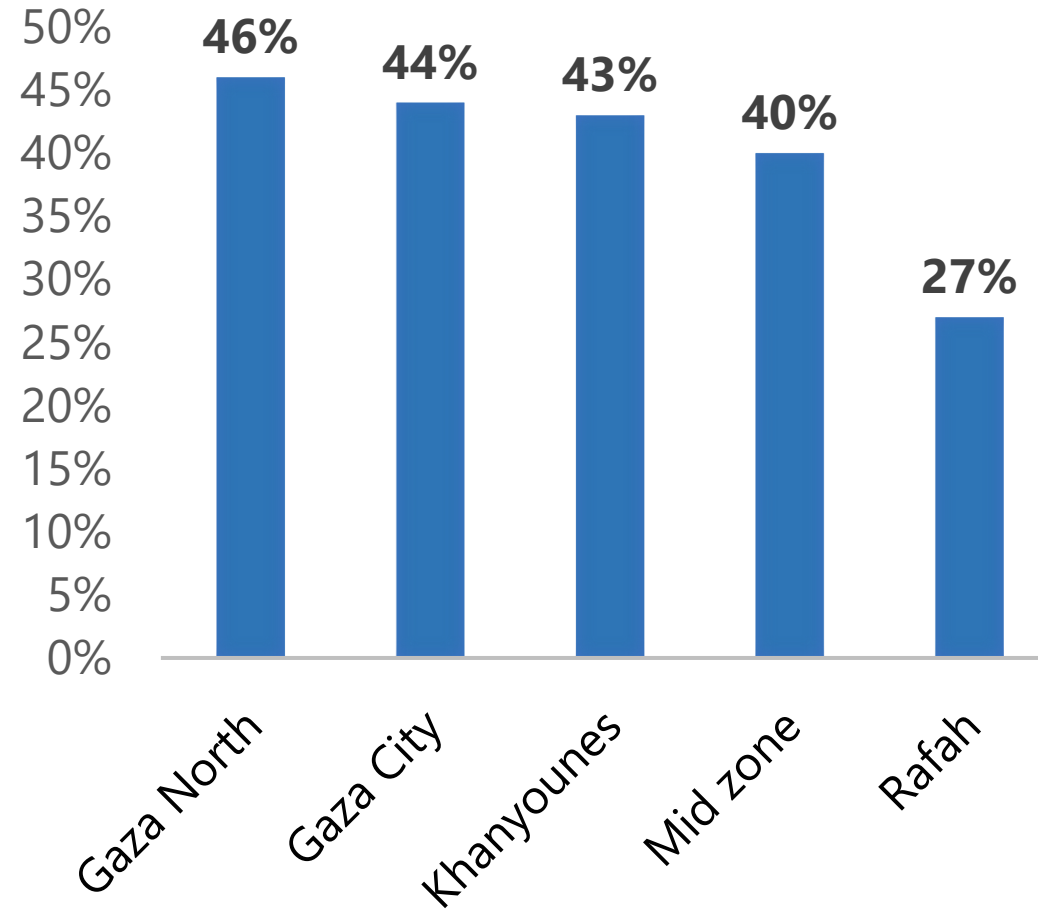
Results

Seroprevalence			
	Male	Female	Both
Gaza	39%	43%	41%

Results

Gender Distribution within Class (Adjusted for Sample)			
	Male	Female	Total
Gaza			
Camp	32%	45%	38%
Urban	40%	43%	41%

Sero Prevalence by District | Gaza

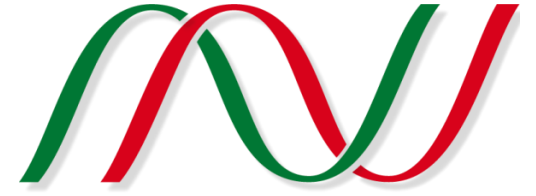




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Thank You