



GOVERNMENT OF KERALA

Abstract

Health & Family Welfare Department - Kerala COVID-19 (SARS CoV-2 IgG) SEROPREVALENCE Study - Sanction accorded - Orders issued.

HEALTH AND FAMILY WELFARE (F) DEPARTMENT

G.O.(Rt)No.1803/2021/H&FWD Dated,Thiruvananthapuram,
25/08/2021

ORDER

The State of Kerala faced the second wave of COVID-19 during the months of May and June 2021. The population behaviour, mobility and other factors are changing with the various stages of easing of the restrictions.

2) Seroprevalence study is required to estimate the population level immunity (level of herd immunity induced by both natural and the vaccines), yet again to get insights into the dynamics of the pandemic and suggest various strategies for prevention and control of the disease.

3) Government have examined the matter in detail and are pleased to accord sanction to conduct Seroprevalence study in the State. The protocol has been developed keeping in view both methodological as well as operational feasibility considerations ;

Primary Objectives

- i. To estimate the seroprevalence of SARS CoV-2 IgG antibodies among ≥ 18 year old population of Kerala.
- ii. To estimate the seroprevalence of SARS CoV-2 IgG antibodies among the Antenatal women attending Antenatal care clinics in Kerala.
- iii. To estimate the seroprevalence of SARS CoV-2 IgG antibodies among the children aged 5 to 17 yrs in Kerala.

- iv. To estimate the seroprevalence of SARS CoV-2 IgG antibodies among the tribal population aged ≥ 18 yrs in rural parts of districts in Kerala.
- v. To estimate the seroprevalence of SARS CoV-2 IgG antibodies among people ≥ 18 yrs in coastal areas of Kerala.
- vi. To estimate the seroprevalence of SARS CoV-2 IgG antibodies among people ≥ 18 yrs in slums areas in corporations of Kerala.

Secondary Objectives

- i. To study the determinants of seropositivity among the various study populations
- ii. To study the seropositivity among the categories of vaccination status in the study populations
- iii. To estimate the case to infection ratio and infection fatality ratio in the general population.

4) The methods such as study design, setting, study subjects, sample size, sampling technique and procedure, administration and management, logistics, Ethics, blood collection and transportation, sample id creation, laboratory and type of test, data entry and reporting, analysis, potential output and benefits are appended herewith.

(By order of the Governor)
Rajan Namdev Khobragade
Principal Secretary

To:

The State Mission Director, Thiruvananthapuram.

The Director of Health Services, Thiruvananthapuram.

The Director of Medical Education, Thiruvananthapuram.

All District Medical Officers

All District Surveillance Officers

Information & Public Relations (Web & New Media) Department

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Forwarded /By order

Section Officer

Copy to: PS to Minister (Health & Family Welfare)

PA to Principal Secretary, Health & Family Welfare

Department