



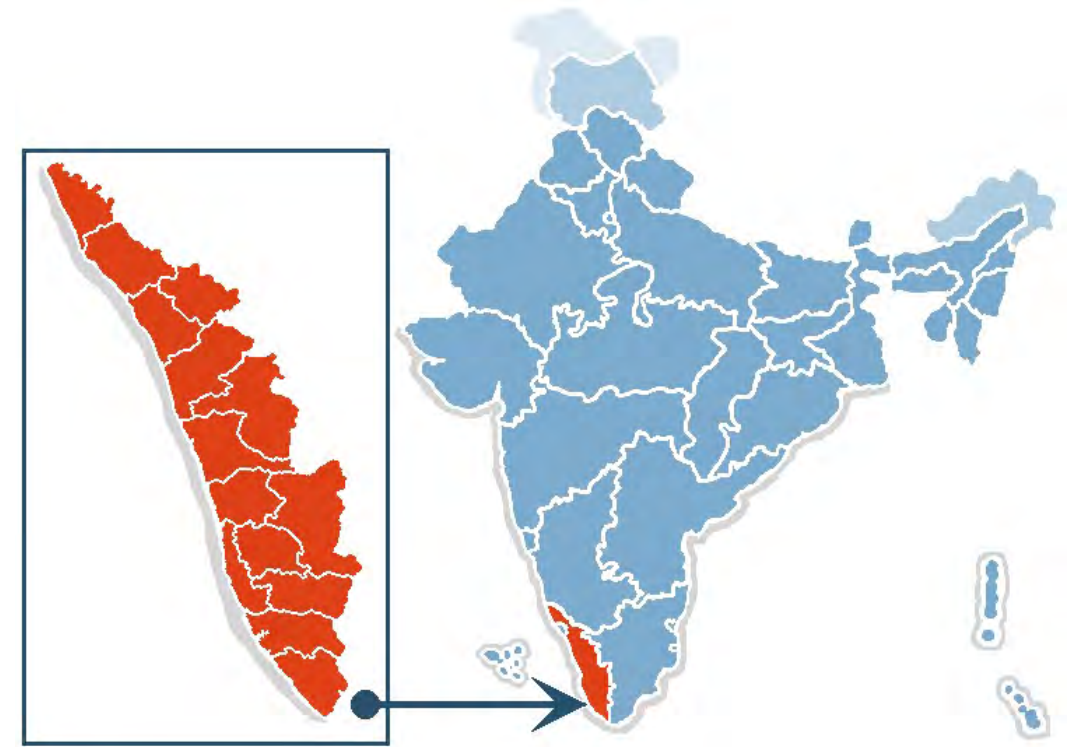
Expert Committee on Covid Control Government of Kerala

Dr.B.Ekbal

COVID-19 Kerala Experience

Kerala Uniqueness

- High Human Development Indices
- Robust Public Health System
 - Aardram Mission
- Local Self Government Institutions
 - Decentralisation of Health Care
 - Community Participation



Kerala Challenges

- Density of Population
- Elderly Population High
- Co Morbidity High
 - NCD ID
- Large Migrant Population
- Huge NRK population



Crisis- Advantages

- Nipah Experience 2018 -19
- Floods 2017 2018 2019
 - Public Health Approach



Nipha Learning Experience

- Index Case
- Contact Tracing
- Quarantine
- Infection Control
- Treatment Protocols Adversaries
- Community Involvement
- Behavioral Changes



Early Preparedness COVID-19

Jan 20 First advisory on n COV sent to all districts

Jan 24 Special control room was setup in the Directorate of Health Services.

Jan 29
A student who returned from Wuhan, China was tested positive for the 2019-nCoV. 2nd and 3rd Case on Feb 2rd and 3rd

Feb 2
Testing for COVID 19 has been started in laboratories within Kerala

Jan 18
WHO notification on 2019 novel Corona virus was observed and guidance note sent to all districts

Jan 23
First Wuhan returnee came to Medical College, Thiruvananthapuram

Screening of all passengers returning from China started at Airport.

Jan 26
Comprehensive State level guidelines on screening, testing, admissions on 2019-nCoV
Guidelines released

Jan 30
All State & District Structures set up

Daily Review Meetings chaired by Hon. Health Minister

Milestones in the battle against COVID-19

March 12

Revised guidelines
on quarantine,
testing, admission

March 16

Break the Chain
campaign
launched- Social
Justice

March 28

First COVID 19
Death in the
state

April 21

Sentinel
Surveillance
started

March 11

Surveillance
Strengthened at
Airport, Seaport,
Railway Station,
Borders

March 14

Hon. Chief
Minister, Hon.
Health Minister,
started Daily
Review

March 27

Kerala Epidemic
Disease Ordinance
published

April 20

16 Labs doing
RTPCR
4 Labs Xpert

State level structures for Covid Management

State Expert Group

State Medical Board

State Rapid Response Team

Break the Chain

കൈവിടാതിരിക്കാം... കൈ കഴുകൂ...



Protection of the Marginalised



Community Kitchens



Welfare Pensions

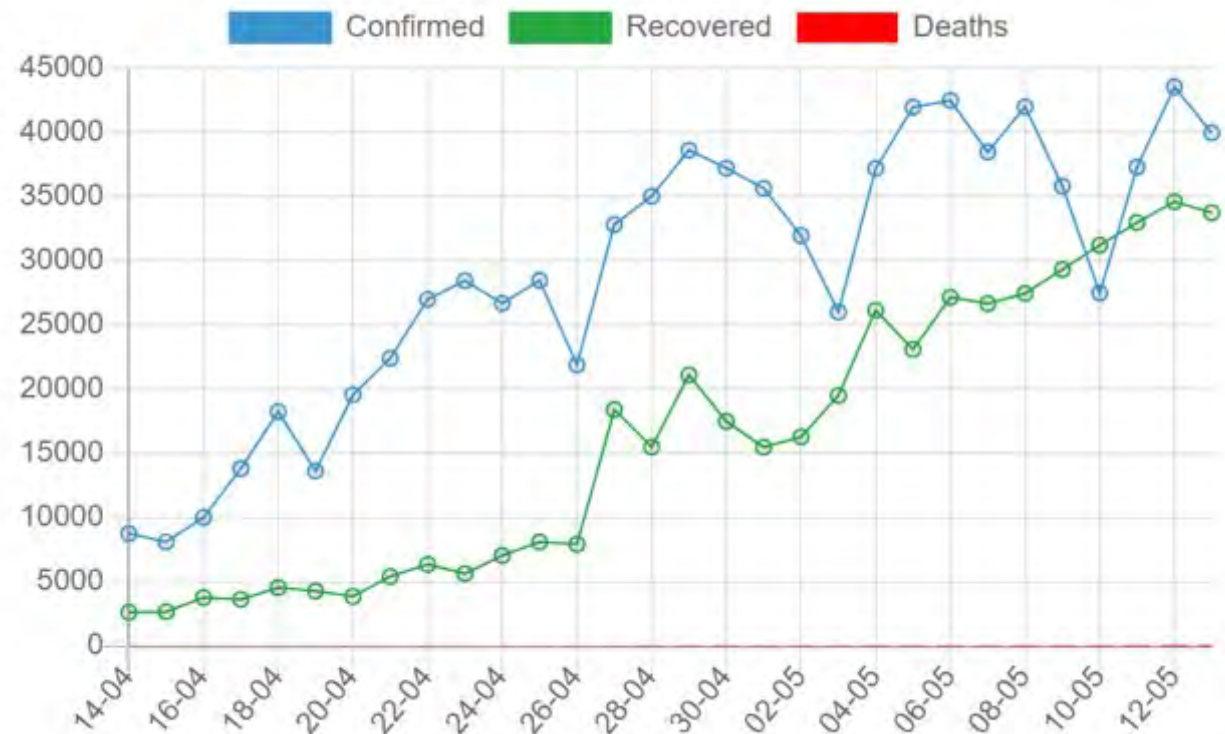


Guest workers

Research and Development

- Technology Development
 - Antibody, Antigen, RNA Extraction Kits, Anosmia Testing, Ventilators, PPE
- Epidemiological Studies
 - Sero Prevalence Studies
- ✓ Genome Sequencing
- Clinical Study

Covid: Second Wave



Current Situation



62,27,358

People Vaccinated



≈ 17.55% of Kerala Population is vaccinated*

First dose 62,27,358

Second dose 19,27,845

Total 81,55,203 vaccinations

Current Strategy

- Vigorous Break the Chain Campaign: SMS
- Vaccination Enhancement
- Testing, Tracing, Treatment, Quarantine
- Home care of Asymptomatics
- Covid First and Second Line Treatment Centres
- Covid Hospitals
- Lockdown/Containment Zones

Kerala Strategy

- Early Preparedness
 - Protocol Based Management Strategy
- Flattening of the Curve
- Death Rate Low
- Free Treatment to All: Government Hospitals
- Private Hospitals: KASP: Testing and Treatment Charges fixed
- Protection of the Vulnerable: Food Kits/ Pension Distribution
- Community Participation

Flattening of the Curve

COVID & Non COVID Cases – Occupancy Status – Govt.

District	ICU Beds					Ventilators				
	Total ICU Beds	Covid Occupancy	Non Covid Occupancy	Total Occupancy	% Occupancy	Total Ventilators	Covid Occupancy	Non Covid Occupancy	Total Occupancy	% Occupancy
Thiruvananthapuram	422	200	120	320	75.8%	336	109	37	146	43.5%
Kollam	116	78	9	87	75.0%	130	55	2	57	43.8%
Pathanamthitta	111	53	11	64	57.7%	95	21	1	22	23.2%
Alappuzha	214	60	42	102	47.7%	187	28	6	34	18.2%
Kottayam	364	121	121	242	66.5%	328	92	59	151	46.0%
Idukki	104	96	0	96	92.3%	58	29	0	29	50.0%
Ernakulam	320	124	36	160	50.0%	220	75	3	78	35.5%
Thrissur	162	70	48	118	72.8%	131	32	10	42	32.1%
Palakkad	172	145	18	163	94.8%	127	46	1	47	37.0%
Malappuram	116	76	9	85	73.3%	101	35	4	39	38.6%
Kozhikode	412	56	164	220	53.4%	256	66	42	108	42.2%
Wayanad	126	30	19	49	38.9%	95	10	0	10	10.5%
Kannur	244	95	65	160	65.6%	156	48	19	67	42.9%
Kasaragod	73	32	7	39	53.4%	73	4	0	4	5.5%
Total	2956	1236	669	1905	64.4%	2293	650	184	834	36.4%

Kerala Experience

- ✓ Early Preparedness
- ✓ Efficient field health activity – Screening, Testing, Isolating, Contact tracing, Quarantine
- ✓ Evidence Based Management
- ✓ Effective Communication – DISHA, Dash Boards, Mass Media
- ✓ Engaging the Community: Social Capital



Pinarayi Vijayan
Chief Minister



K.K. Shylaja
Health Minister

