

COVID-19 OUTBREAK CONTROL AND PREVENTION STATE CELL HEALTH & FAMILY WELFARE DEPARTMENT

GOVT. OF KERALA

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The daily COVID-19 bulletin of the Department of Health and Family Welfare, Government of Kerala summarizes the COVID-19 situation in Kerala. The bulletin also contains links to various important documents, guidelines, and websites for references.

OUR HEALTH OUR RESPONSIBILITY

- Even after vaccination , follow COVID appropriate behaviour.
- Maintain a distance of at least two metres with all people all the time.
- Always wear clean face mask appropriately everywhere all the time
- Perform hand hygiene after touching objects and surfaces all the time.
- Perform hand hygiene before and after touching your face.
- Observe cough and sneeze hygiene
- Avoid unnecessary travel, social interaction
- Protect the elderly and the vulnerable- Observe reverse quarantine
- PEOPLE WITH MULTIPLE COMORBIDITIES, IF DETECTED COVID POSTIVE SHOULD GET ADMITTED IN THE HOSPITAL IMMEDIATELY AND DO NOT REMAINED IN HOME ISOLATION
- Infection prevention by following Covid appropriate behaviour got strengthened with introduction of COVID vaccination.

Covid 19 status- Analytical Note

- 100% of the eligible population vaccinated with a single dose of vaccine (2,67,35,795) and 83% with a double dose (2,22,28,824) till January 22.
- 66% of population among 15-17 age group vaccinated with single dose of vaccine (10,01,169)
- Kerala is the state with highest rate of Vaccination/ Million- 1410764. The state has vaccinated more than 97% of people aged more than 45 years with a single dose and 84% with double dose*. (*Target recalculated)
- People have been cooperating we appeal to the 2nd dose eligible people to take their second dose of Covishield/ Covaxin without delay. Both the vaccines are effective.

- As per today's data, among the 45,136 positives, 39,523 persons were eligible for vaccination. 2239 were vaccinated with single-dose and 27,499 were fully vaccinated.
- 9785 persons had no history of vaccination. This sub cohort needs to be followed and among them people having morbidity are advised to access health care in a Hospital. All vaccinated people should follow covid appropriate behaviour.
- Non vaccinated people with co morbidity have higher chances of mortality based on the mortality analysis. Hence, especially people with comorbidities should be careful. All must follow Covid appropriate behaviors.
- COVID-19 vaccines protect people from getting infected and become severely ill, and significantly reduce the likelihood of hospitalization and death.
- During January 15 January 21, the average active cases were 1,49,922 out of them an average of around 0.7% only were admitted in oxygen beds and 0.5% were in ICU. During this period there was an increase of around 1,39,966 new cases.

The growth rate in newly declared cases increased by 201% during the same week compared to the previous week. The number of active patients, number of those admitted in hospitals, field hospitals, ICU, ventilator and in oxygen supported beds has increased by 201%, 87%,126%, 57%, 23% and 91% respectively in this week compared to previous week. For any disease control program, active case finding is important. The state is doing appropriate testing. However, there is an apprehension regarding test positivity rate. It is hereby explained that test positivity rate indicates the infection. There are two specific issues all may understand i.e. contracting infection and because of contracting infection the disease manifestation. The World over post vaccination phase, contracting infection to disease manifestation is examined as CONVERSION RATE to decide the severity of pandemic. The data as on date suggests the conversion rate is stable because the People are following instructions, taking vaccines. However, it can be further improved with cooperation from all i.e. positive person having comorbidities should not delay their arrival in Hospital and take treatment as per the treatment protocols.

- Out of total 2,47,227 cases of infection only 3% of the active cases are admitted either in hospital/Field hospitals. This percentage is more or less constant and that indicates that the progression toward disease of the person who is infected is not very alarming and appropriate care and support is being given to patients. The patients who arrive late in the hospital even though having morbidity are the majority patients in the hospitals and Diabetes and Hypertension together being the most common cause of patient death. Therefore, we request people with co morbidities once detected with covid infection to get hospitalized in time.
- Based on the Covid positive data during June, July and August, 6% of the Covid positive patients had taken a single dose of Covid 19 vaccination and 3.6% had taken two doses of covid 19 vaccination. This indicates that vaccinated people may get infected, even though it is very less. It indicates that post vaccination immunity is effective in preventing infection. Vaccinated people are advised to consult Doctor only when symptomatic. Vaccinated people should follow covid appropriate behaviour.
- Symptomatic non-Vaccinated people may do RTPCR test. Antigen testing is only for emergency purpose. Non vaccinated people with co-morbidities to do testing by RTPCR and consult doctor.
- Repeat RTPCR is not needed among the people who are detected COVID positive in the previous 3 months. All young person detected positive and at home isolation should do blood sugar test.

PART- 1 SUMMARY OF COVID CASES AND DEATH

Positive cases	Recovered patients	New persons in Quarantine/ Isolation	New Persons in Home, Institution quarantine	New persons in Hospital Isolation	Total no of Deaths reported	No of deaths declared as per appeal G.O.(Rt) No.2110/202 1/H&FWD (B)
5552512	5276647	63555	62416	1139	51607	16857

Table 1. Summary of COVID-19 cases till 21/1/2022

Table 2. Summary of new COVID-19 cases (last 24 hours)

Positive cases	Recovered patients	New persons in Quarantine/ Isolation	New Persons in Home, Institution quarantine	New persons in Hospital Isolation	No of Deaths declared daily (A)	No of deaths declared as per appeal G.O.(Rt) No.2110/202 1/H&FWD (B)
45136	21324	57220	56096	1124	70	62

Table 3. Cumulative summary as on 22/01/2022

Total Positive cases	Active cases	Total Recovered	Total persons in Quarantine/ Isolation	Persons in Home/Insti tution quarantine	Persons in Hospital Isolation	Total No of Deaths (D)	Total No of deaths declared as per appeal G.O.(Rt) No.2110/20 21/H&FWD (E)
5597648	247227	5297971	385516	377086	8430	51739	16919

District	Positive Cases declared today	Declared Negative today	Positive cases admitted in the district
Thiruvananthapuram	7430	4163	57533
Kollam	2882	3080	12413
Pathanamthitta	2012	709	9007
Alappuzha	2168	567	10389
Kottayam	3053	1021	16209
Idukki	1637	465	8599
Ernakulam	8143	3324	38679
Thrissur	5120	3041	23913
Palakkad	2607	687	13258
Malappuram	2431	720	13009
Kozhikode	4385	1567	24169
Wayanad	972	824	4699
Kannur	1673	1003	11234
Kasaragod	623	153	4116
Total	45136	21324	247227

Table 4. District wise summary of Cumulative cases, Active cases, and New positive cases

District	No of Deaths reported daily (A)	No of deaths declared through appeal G.O.(Rt) No.2110/2021/H&F WD Dated 29 September (B)	No of pending deaths declaration of the cases up to 18 June 2021 (offline period of death reporting) As per G.O.(Rt) No.2219/2021/H&FWD Dated 14 October (C)	Death Cases approved today (A+B+C)
Thiruvananthapuram	14	0	0	14
Kollam	1	0	0	1
Pathanamthitta	2	0	0	2
Alappuzha	17	0	0	17
Kottayam	0	0	0	0
Idukki	0	0	0	0
Ernakulam	13	0	0	13
Thrissur	3	0	0	3
Palakkad	6	0	0	б
Malappuram	4	1	0	5
Kozhikode	5	57	0	62
Wayanad	0	0	0	0
Kannur	5	0	0	5
Kasaragod	0	4	0	4
Total	70	62	0	132

Table 5. District wise Death Cases through online and offline mode - post scrutiny status

• The list of Track A is mentioned in the Bulletin

- The list of Track B and Track C will be very long as we are declaring cumulative cases. These lists are available with the DMO and can be verified on online portal.
- https://covid19.kerala.gov.in/deathinfo/covidDeathDeclarationList.jsp

Table 6. Summary of contact or travel history of COVID-19 cases since 4th May 2020

Total cases	5597149
Cases with history of International/Interstate travel	65955
Cases with history of contact	5531194

Table 7. Summary of contact/travel history of new COVID-19 cases reported in last 24 hours

Total cases	45136
Cases with history of International/Interstate travel	128
Cases with history of contact	42783
Cases with no history of travel or contact	2225

Table 8. Details of COVID-19 positive deaths in the last 24 hours

SI no.	District	Name	Place	Age	Gender	Death Date
1	Thiruvananthapuram	Anandavalli Amma	Thiruvananthapuram	88	Female	09-01-2022
2	Thiruvananthapuram	Francis Aloysius D	Kattakada	85	Male	22-01-2022
3	Thiruvananthapuram	Gangadharan Nair	Pallichal	101	Male	21-01-2022
4	Thiruvananthapuram	Lakshmi Narayanan R	Thiruvananthapuram	91	Male	20-01-2022
5	Thiruvananthapuram	Preman K	Pallichal	49	Male	18-01-2022
6	Thiruvananthapuram	Rajan V L	Neyyattinkara	57	Male	21-01-2022
7	Thiruvananthapuram	Rajappan Pillai N	Attingal	78	Male	17-01-2022
8	Thiruvananthapuram	Santhamma	Chirayinkeezhu	61	Female	22-01-2022
9	Thiruvananthapuram	Saritha	Vettoor	46	Female	18-01-2022
10	Thiruvananthapuram	Sarojini Amma	Thiruvananthapuram	87	Female	17-01-2022
11	Thiruvananthapuram	Sasidharan Pillai	Varkala	66	Male	17-01-2022
12	Thiruvananthapuram	Satheesh S	Vellarada	39	Male	16-01-2022
13	Thiruvananthapuram	S Nazeema Beevi	Andoorkonam	70	Female	16-01-2022
14	Thiruvananthapuram	Synaba Beevi P	Anadu	72	Female	15-01-2022
15	Kollam	Edmond Pathrose	Kollam	78	Male	20-01-2022
16	Pathanamthitta	Valsamma	Ayiroor	74	Female	16-01-2022
17	Pathanamthitta	Varghese Scaria	Elanthoor	85	Male	21-01-2022
18	Alappuzha	Ajayappan	Mannanchery	55	Male	25-12-2021
19	Alappuzha	Aleykutty	Pulincunnu	64	Female	26-12-2021
20	Alappuzha	A Rahel	Harippad	85	Female	19-01-2022
21	Alappuzha	Babu Kunjachan	Nooranad	54	Male	22-12-2021

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22	Alappuzha	Bhaskaran Nair	Chennithala	74	Male	18-01-2022
23	Alappuzha	Janaki Amma	Thripperuthura Bharanikkavu	0	Female	21-12-2021
24	Alappuzha	Joseph T J	Mannanchery	65	Male	03-01-2022
25	Alappuzha	Kurian	Pallippad	97	Male	18-01-2022
		Geevarghese	. amppad	57	mare	10 01 2022
26	Alappuzha	K V Varkey	Chengannur	92	Male	05-01-2022
27	Alappuzha	Mariyamma Yohannan	Budhannur	89	Female	04-01-2022
28	Alappuzha	Mrs Renjitha Kumari P	Chengannur	50	Female	10-01-2022
29	Alappuzha	Prabhakaran	Mulakkuzha	82	Male	24-12-2021
30	Alappuzha	Rajendran N	Kayamkulam	79	Male	09-01-2022
31	Alappuzha	Rajesh R	Mavelikkara Thekkekkara	44	Male	10-09-2021
32	Alappuzha	Raju	Palamel	71	Male	07-01-2022
33	Alappuzha	Sarasamma	Harippad	74	Female	12-01-2022
34	Alappuzha	Suma Rajesh	Budhannur	37	Female	02-01-2022
35	Ernakulam	Bessy	Ayavana	45	Female	14-01-2022
36	Ernakulam	Chandran T P	Ramamangalam	53	Male	20-01-2022
37	Ernakulam	Elamma Varghese	Vengoor	83	Female	14-01-2022
38	Ernakulam	M I Varghese	Mookkanoor	74	Male	27-04-2021
39	Ernakulam	Nadesan M V	Kochi	80	Male	18-01-2022
40	Ernakulam	Prasad M K	Kochi	89	Male	17-01-2022
41	Ernakulam	Radhakrishnan	Kottuvally	62	Male	01-12-2021
42	Ernakulam	Ramakrishnan	Kochi	83	Male	19-01-2022
43	Ernakulam	Reetha	Elamkunnapuzha	80	Female	18-01-2022
44	Ernakulam	R Sadanandan	Kochi	87	Male	29-04-2021
45	Ernakulam	Sasendran V P	Kanjoor	81	Male	19-01-2022
46	Ernakulam	Sudhi	Chittattukara	62	Male	14-01-2022
47	Ernakulam	Usha	Kochi	58	Female	18-01-2022
48	Thrissur	Antony A A	Padiyoor	79	Male	19-01-2022
49	Thrissur	Haneefa	Mullassery	71	Male	20-01-2022
50	Thrissur	Mohammed M M	Kodungallur	81	Male	20-01-2022
51	Palakkad	Daivana	Polpully	49	Female	20-01-2022
52	Palakkad	Kuppan	Kollengode	88	Male	20-01-2022
53	Palakkad	Mariya	Alanallur	54	Female	17-01-2022
54	Palakkad	Muthu	Melarcode	75	Male	22-01-2022
55	Palakkad	Raghavan	Cherupulassery	72	Male	17-01-2022
56	Palakkad	Vesu	Vadakkenchery	72	Female	20-01-2022
57	Malappuram	Alavi	Muthuvallur	64	Male	15-01-2022
58	Malappuram	Janaki	Chokkad	88	Female	20-01-2022
59	Malappuram	Muhammed Bava	Niramaruthoor	83	Male	21-08-2021
60	Malappuram	Pathummu	Mangalam	65	Female	19-01-2022

61	Kozhikode	Karunakaran P K	Kozhikode	80	Male	16-01-2022
62	Kozhikode	Mary Jacob	Thiruvambady	80	Female	18-01-2022
63	Kozhikode	Raju E	Kozhikode	85	Male	19-01-2022
64	Kozhikode	Saramma	Kodenchery	72	Female	17-01-2022
65	Kozhikode	Varghese P D	Kozhikode	75	Male	18-01-2022
66	Kannur	Ayisha	Kottayam	70	Female	19-01-2022
67	Kannur	Kousalya	Dharmadam	76	Female	17-01-2022
68	Kannur	Krishnan Kutty	Pinarayi	80	Male	17-01-2022
69	Kannur	Padmini E	Ancharakandy	68	Female	17-01-2022
70	Kannur	Sunitha	Chembilode	48	Female	15-01-2022

Detailed list is available with the respective District Medical office (Health)

Table 9. Summary of critical patients

Patients in ICUs	946
Patients on Ventilator support	232

*The data shown contains ICU and Ventilator data from both government and private hospitals

PART- II COVID-19 TESTING

Table 10. Cumulative number of samples tested

Cumulative Samples Sent	Cumulative routine + Sentinel samples	Airport surveillance	CB NAAT	True NAT	POCT PCR	RT LAMP	Antigen Assay	
43025275	18602303	77321	134677	876738	134917	46193	23159440	

Table 11. Details of new COVID-19 samples in the last 24 hours

Samples Sent	Routine + Sentinel Samples (PCR)	CB NAAT	True NAT	POCT PCR	RT LAMP	Antigen Assay
100735	56677	235	837	503	185	42298

PART-III SURVEILLANCE

Table 12. District wise distribution of persons under quarantine and isolation

District	Persons under observation as on today	Persons under home/institutional quarantine as on today	Total persons under hospital Isolation as on today	Persons hospitalized today
Thiruvananthapuram	97834	96102	1732	255
Kollam	25836	25460	376	
Pathanamthitta	12884	12283	601	24
Alappuzha	19062	18808	254	40
Kottayam	31870	31159	711	0
Idukki	8772	8696	76	8
Ernakulam	50330	48694	1636	237
Thrissur	29619	28888	731	173
Palakkad	17195	16830	365	72
Malappuram	20549	20224	325	90
Kozhikode	25994	25217	777	94
Wayanad	16977	16792	185	53
Kannur	17653	17309	344	62
Kasaragod	10941	10624	317	16
Total	385516	377086	8430	1124

Table 13. Summary of Travel surveillance 22/01/2022

Mode of Travel	Cumulative number of Passengers
International airport	2979385
Total	2979385

PART-IV PSYCHOSOCIAL SUPPORT

'Ottakalla Oppamundu' is a program for providing Psychosocial support to the people in quarantine, isolation, school children and other categories of population as well as to the community in general. *867* Mental Health Personnel including Psychiatrists, Psychiatric Social Workers, Clinical Psychologists, and Counsellors are working and have given psychosocial support.

Table.14. Psychosocial support provided through the program "Ottakalla Oppamundu"

No. of Psychosocial workers	867
Total Psychosocial support calls made to persons in quarantine/ isolation.	75,16,958
Total psychosocial support follow-up calls made	32, 12, 102
Total Post COVID calls	11,33,087
Total calls made to persons under treatment for mental illnesses, migrant labourers, differently abled children, elderly persons staying alone	3,48,860
Total Psychosocial support calls to school children	9,98,805
Total psychosocial support calls to health care workers	64,194
Total Psychosocial support calls received in helpline numbers	92,372
Total calls to all categories of Persons	1,33,66,378

PART-V ANNEXURES

Annexure-1: District Covid 19 Control Room Numbers Oxygen War Room Numbers

District	Covid 19 Control Room Numbers	Oxygen War Room Numbers
Thiruvananthapuram	9188610100, 1077, 0471 277 9000	7592939426, 7592949448
Kollam	0474 2797609, 2794006, 8589015556	75920 03857
Alappuzha	0477 2239999, 2238642, 2238651	7594041555
Pathanamthitta	0468 2222515, 0468 2228220	1077, 8547715558
Idukki	18004255640, 0486 2232220, 2233118	18004255640, 04862233118
Kottayam	9188610014, 9188610016, 0481 2304800,	0481 256 7390
-	0481 2583200, 0481 2566100, 0481	
	2566700, 0481 2561300	
Ernakulam	0484 2368702, 0484 2368802, 0484	75940 46167
	2368902	
	Guest Control Room 9072303275,	
	9072303276	
	WhatsApp Number 9400021077	
Thrissur	9400066921, 9400066922, 9400066923	9400063430, 7034099935
Palakkad	0491 251 0580, 04912510583	0491251 0577, 8848902376
	0491 251 0575, 0491 251 0576, 251 0574	
Malappuram	0483 2737858, 0483 2737857,0483	0483 2952950
	2733251, 0483 2733252, 2733253	
Calicut	0495 2371471, 0495 2376063	75940-01419, 7594001485
	Collectorate 0495 2371002	
Kannur	0497 2700194, 2713437, 9400066062,	8281899687
	9400066616	
Wayanad	04936 202343, 04936 202375	9526831678
Kasaragod	9946000493, 9946000293	9645002811

Annexure-2: Table of links to documents, guidelines, and websites

Dashboard	https://dashboard.kerala.gov.in/
Daily Bulletin	<u>http://dhs.kerala.gov.in/ഡെയിലി-</u> ബൂള്ളറ്റിന്%E2%80%8D/
Guidelines and Advisories	<u>http://dhs.kerala.gov.in/ജാഗ്രത-</u> നിര്%E2%80%8D ദേശങ്ങള് %E2%80%8D/
Awareness materials	https://www.dropbox.com/sh/l2h2n9hu737lea3/AAD43CHbe dUZa_8PUY9v3m0Wa?dl=0
Posters	http://dhs.kerala.gov.in/photo-gallery/
COVID-19 Jagratha	https://covid19jagratha.kerala.nic.in/
E Sanjeevani	https://esanjeevaniopd.in

NHM Kerala	https://arogyakeralam.gov.in/
Directorate of Health Services	https://dhs.kerala.gov.in/
Directorate of Medical Education	http://www.dme.kerala.gov.in/
Department of Health and Family Welfare	https://health.kerala.gov.in/
Training and IEC videos	https://www.youtube.com/c/keralahealthonlinetraining

Annexure-3: District Psychosocial support Helpline numbers

District	COVID help line numbers
Thiruvananthapuram	9846854844
Kollam	0474 2740166, 8281086130
Pathanamthitta	8281113911
Alappuzha	4792344474
Kottayam	9539355724
Idukki	04862226929, 9496886418
Ernakulam	04842351185, 9846996516
Thrissur	04872383155, 8281100729,
111115501	8086007999
Palakkad	04912533323
Malappuram	7593843617, 7593843625
Kozhikode	9495002270
Wayanad	9400348670
Kannur	04972734343, 9495142091
Kasaragod	9072574748, 9447447888

- District Helpline Numbers will be available from 9am to 4 pm.
- State Helpline Numbers DISHA 0471-2552056 and 1056 (Toll Free Number) will be available **24**x**7**