



**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.

GENERAL GUIDELINES

- Maintain SMS (Social Distancing, Mask and Sanitize) and remain in ventilated environment
- Protect the elderly and the vulnerable- Observe reverse quarantine
- COVID-19 vaccines protect people from getting infected and becoming severely ill and significantly reduce the likelihood of hospitalization and death.
- All those eligible for COVID vaccination should take the appropriate dose of the vaccine without delay
- Come forward for vaccination for the age group of 15-17 years .
- Additional precautionary dose is available for those who have taken 2 doses and completed nine months since 2nd dose for >60 yrs, Health Care Workers, and people with comorbidities.
- Non-vaccinated people with comorbidities have higher chances of severe illness and death. Hence people with comorbidities should receive vaccination and always follow COVID appropriate behaviour. Avoid social gathering. Remain in reverse quarantine to the extend possible.
- Antigen testing should be resorted for emergency purposes. Non vaccinated people with comorbidities in case of developing symptoms should preferably do RTPCR testing and consult a doctor.

Home Isolation Mandates

- Over the past two years, it has been seen globally that majority of cases of COVID-19 are either asymptomatic or have very mild symptoms. Such patients usually recover with minimal interventions and accordingly can be managed at home under proper medical guidance and monitoring
- A caregiver (ideally someone who has completed his COVID-19 vaccination schedule) should be available to provide care on a 24 x7 basis to Covid Positive Patients under Home Isolation. A communication link between the caregiver and a Medical Officer is a prerequisite for the entire duration of home isolation.
- The patient must isolate himself from other household members, stay in the identified room and be away from other people at home, especially the elderly and those with co-morbid conditions like hypertension, cardiovascular disease and renal diseases. The room selected for isolation should preferably be a well-ventilated room with cross ventilation, and windows should be kept open to allow fresh air
- People with co-morbidities once detected with covid infection should visit Health institution.

When to seek medical attention?

- Immediate medical attention must be sought if severe signs or symptoms develop. These could include. Unresolved High-grade fever (more than 100° F for more than three days) ii. Difficulty in breathing, iii. Dip in oxygen saturation ($SpO_2 \leq 93\%$ on room air at least three readings within 1 hour) or respiratory rate $>24/$ min iv. Persistent pain/pressure in the chest, v. Mental confusion or inability to arouse, vi. Severe fatigue and myalgia

Covid 19 status- Analytical Note

- Kerala is the state with the highest rate of vaccination- 1473168 Vaccination/Million
- 100% of the eligible population vaccinated with a single dose of vaccine (2,69,01,406) and 86% with a double dose (2,30,51,775) till March 01. 77% of the 15-17 age group vaccinated with a single dose of vaccine (11,83,927) and 34% with a double dose (5,26,371). The state has vaccinated more than 97% of people aged over 45 years with a single dose and 86% with a double dose.
- During February 22 – February 28, the average active cases were 38,478 out of them, an average of 1.7% only were admitted in oxygen beds, and 1.3% were in ICU.
- Out of the total 24,912 cases, only 7.8% of the active cases are admitted either in hospital/Field hospitals. [Non-KASP hospital occupancy too included]

PART- 1 SUMMARY OF COVID CASES AND DEATH

Table 1. Summary of COVID-19 cases till 28/2/2022

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 cases filed G.O.(Rt) No.2110/2021/H&FWD
6499214	6406519	2972	2428	544	65333	26290

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 in Last 24 Hrs	Deaths declared in the last 24 hrs but of previous days because of late receiving of documents	No of deaths declared as per appeal G.O.(Rt) No.2110/2021/H&FWD (Appeal Cases Filed)
2846	4325	3230	2987	243	2	38	128

Table 3. Cumulative summary as on 01/03/2022

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	Total No of deaths declared as per appeal cases filed G.O.(Rt) No.2110/2021/H&FWD
6502060	24912	6410844	93948	92065	1883	65501	26418

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

District	Positive Cases declared today	Declared Negative today	Positive cases admitted in the district
Thiruvananthapuram	486	676	3308
Kollam	249	451	1607
Pathanamthitta	189	245	1103
Alappuzha	111	224	1338
Kottayam	314	260	2798
Idukki	157	302	1790
Ernakulam	436	813	4215
Thrissur	232	252	2259
Palakkad	114	146	600
Malappuram	115	251	1476
Kozhikode	198	445	2104
Wayanad	112	96	1119
Kannur	113	86	947
Kasaragod	20	78	248
Total	2846	4325	24912

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

District	No of Deaths reported daily (A)	No of deaths declared through appeal G.O.(Rt) No.2110/2021/H&FWD Dated 29 September (B)	Death Cases approved today (A+B)
Thiruvananthapuram	1	8	9
Kollam	5	0	5
Pathanamthitta	3	8	11
Alappuzha	5	8	13
Kottayam	4	0	4
Idukki	0	2	2
Ernakulam	7	62	69
Thrissur	1	1	2
Palakkad	4	9	13
Malappuram	2	21	23
Kozhikode	4	0	4
Wayanad	0	0	0
Kannur	4	9	13
Kasaragod	0	0	0
Total	40	128	168

- 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	6501561
Cases with history of International/Interstate travel	74788
Cases with history of contact	6426773

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

Total cases	2846
Cases with history of International/Interstate travel	8
Cases with history of contact	2723
Cases with no history of travel or contact	115

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

Sl no.	District	Name	Place	Age	Gender	Death Date
1	Thiruvananthapuram	Ramachandran Pillai	Thiruvananthapuram	60	Male	25-02-2022
2	Kollam	Johnson P M	Piravanthur	81	Male	24-02-2022
3	Kollam	Lekshmanan	Kottamkara	73	Male	27-02-2022
4	Kollam	Pathrose M	Perayam	87	Male	27-02-2022
5	Kollam	Sivarajan	Kollam	74	Male	28-02-2022
6	Kollam	Vijayamma Varghese	Yeroor	66	Female	20-02-2022
7	Pathanamthitta	Baby Of Soumya	Pathanamthitta	0	Female	22-02-2022
8	Pathanamthitta	Mathai K	Mylapra	82	Male	18-02-2022
9	Pathanamthitta	Sukumaran Nair	Ranny Perunadu	70	Male	25-02-2022
10	Alappuzha	Kunjamma Philip	Thazhakkara	74	Female	26-02-2022
11	Alappuzha	Pappu Narayanan Chettiar	Krishnapuram	85	Male	23-02-2022
12	Alappuzha	Saramma Mathew	Pallippad	90	Female	27-02-2022
13	Alappuzha	Shaji P V	Mulakkuzha	61	Male	26-02-2022
14	Alappuzha	Valsala Kumari	Vallikunnam	57	Female	25-02-2022
15	Kottayam	Achamma Manuel	Melukavu	70	Female	27-02-2022
16	Kottayam	Bharathiyamma	Mutholy	95	Female	22-02-2022
17	Kottayam	Sakunthala	Kottayam	86	Female	27-02-2022
18	Kottayam	Varkey Kurian	Kaduthuruthy	96	Male	26-02-2022
19	Ernakulam	Abdu	Kadungalloor	58	Male	15-02-2022
20	Ernakulam	Amminiyamma	Thrikkakara	84	Female	22-02-2022
21	Ernakulam	Anumma	Kumbalam	77	Female	21-02-2022
22	Ernakulam	Joseph M V	Kochi	80	Male	19-02-2022

23	Ernakulam	Joy Kallingal	Kalamassery	82	Male	24-02-2022
24	Ernakulam	P Bhaskaran	Nayarambalam	72	Male	19-02-2022
25	Ernakulam	Suseela R Nayak	Kochi	75	Female	09-02-2022
26	Thrissur	Ayshabi	Kaipamangalam	65	Female	25-02-2022
27	Palakkad	Devaki Amma	Anakkara	85	Female	24-02-2022
28	Palakkad	Lakshmikutty	Lekkidi-Perur	80	Female	13-02-2022
29	Palakkad	Noorjahan	Ananganadi	85	Female	25-02-2022
30	Palakkad	Shylaja V N	Palakkad	81	Female	28-02-2022
31	Malappuram	Avaran	Athavanad	73	Male	26-02-2022
32	Malappuram	Padminikutty	Pulpetta	76	Female	24-02-2022
33	Kozhikode	Ahammed Pp	Koduvally	73	Male	24-02-2022
34	Kozhikode	Krishna Das	Kakkodi	83	Male	27-02-2022
35	Kozhikode	Mami	Nadapuram	72	Female	09-02-2022
36	Kozhikode	Tharuveyykutty Haji	Thamarassery	90	Male	20-02-2022
37	Kannur	Achudhan	Udayagiri	69	Male	06-02-2022
38	Kannur	Deepa Ck	Peralassery	41	Female	24-02-2022
39	Kannur	Kuniraman	Kolayad	50	Male	20-02-2022
40	Kannur	Lakshmanan Vadakkeythalakkal	Chapparapadavu	53	Male	24-02-2022

*Deaths in last 24 hours : 2

*Deaths declared in the last 24 hours but of previous days due to late receiving of documents : 38

*Deaths declared through appeal process (Appeal cases filed) in the last 24 hours : 128

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

Table 9. Summary of critical patients

Patients in ICUs	387
Patients on Ventilator support	116

**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
46019806	20315862	77321	140928	901515	201376	53555	24329249

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
40523	22613	121	596	68	97	17028

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	9145	8986	159	22
Kollam	6328	6199	129	26
Pathanamthitta	26314	26214	100	98
Alappuzha	1641	1588	53	2
Kottayam	10685	10497	188	0
Idukki	3825	3744	81	14
Ernakulam	6706	6412	294	24
Thrissur	6604	6507	97	19
Palakkad	10463	10397	66	4
Malappuram	3620	3540	80	2
Kozhikode	4078	3887	191	8
Wayanad	1007	949	58	7
Kannur	1491	1271	220	16
Kasaragod	2041	1874	167	1
Total	93948	92065	1883	243

Table 13. Summary of Travel surveillance 01/03/2022

Mode of Travel	Cumulative number of Passengers
International airport	3244968
Total	3244968

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. **1049** 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	1049
Total Psychosocial support calls made to persons in quarantine/ isolation.	80,53,501
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	10,10,657
Total psychosocial support calls to health care workers	64,194
Total Psychosocial support calls received in helpline numbers	95,255
Total calls to all categories of Persons	1,39,17,656

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 2583200, 0481 2566100, 0481 2566700, 0481 2561300	0481 256 7390
Ernakulam	0484 2368702, 0484 2368802, 0484 2368902 Guest Control Room 9072303275, 9072303276 WhatsApp Number 9400021077	75940 46167
Thrissur	9400066921, 9400066922, 9400066923	9400063430, 7034099935
Palakkad	0491 251 0580, 04912510583 0491 251 0575, 0491 251 0576, 251 0574	0491251 0577, 8848902376
Malappuram	0483 2737858, 0483 2737857,0483 2733251, 0483 2733252, 2733253	0483 2952950
Calicut	0495 2371471, 0495 2376063 Collectorate 0495 2371002	75940-01419, 7594001485
Kannur	0497 2700194, 2713437, 9400066062, 9400066616	8281899687
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	http://dhs.kerala.gov.in/ഡെയിലി-ബുള്ളറ്റിന്%E2%80%8D/
Guidelines and Advisories	http://dhs.kerala.gov.in/ജാഗ്രത-നിര്%E2%80%8Dദേശങ്ങളു%E2%80%8D/
Awareness materials	https://www.dropbox.com/sh/l2h2n9hu737lea3/AAD43CHbedUZa_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://aogyakeralam.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, 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 24x7*