



**COVID-19 OUTBREAK CONTROL AND PREVENTION STATE CELL
HEALTH & FAMILY WELFARE DEPARTMENT
GOVT. OF KERALA**

www.health.kerala.gov.in

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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- 1458224 Vaccination/Million
- 100% of the eligible population vaccinated with a single dose of vaccine (2,68,77,426) and 86% with a double dose (2,28,59,314) till February 17. 75% of the 15-17 age group vaccinated with a single dose of vaccine (11,55,688) and 19% with a double dose (2,91,024). The state has vaccinated more than 97% of people aged over 45 years with a single dose and 85% with a double dose.
- During February 10 – February 16, the average active cases were 1,66,011 out of them, an average of 0.9% only were admitted in oxygen beds, and 0.5% were in ICU.
- Out of the total 99,424 cases, only 4.5% 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 16/2/2022

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
6440371	6262770	15557	14792	765	63019	24799

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)
8655	22707	15901	15222	679	18	108	193

Table 3. Cumulative summary as on 17/02/2022

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
6449026	99424	6285477	214307	209925	4382	63338	24992

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	1087	5811	12649
Kollam	812	1540	7819
Pathanamthitta	447	542	4387
Alappuzha	567	1360	5968
Kottayam	731	2680	10237
Idukki	420	743	7384
Ernakulam	1696	2783	17024
Thrissur	746	1832	8850
Palakkad	343	821	3721
Malappuram	405	1183	6553
Kozhikode	610	1420	7052
Wayanad	332	780	3430
Kannur	357	950	3246
Kasaragod	102	262	1104
Total	8655	22707	99424

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	11	26	37
Kollam	11	0	11
Pathanamthitta	0	0	0
Alappuzha	30	18	48
Kottayam	12	1	13
Idukki	0	0	0
Ernakulam	18	55	73
Thrissur	14	45	59
Palakkad	6	21	27
Malappuram	5	9	14
Kozhikode	10	2	12
Wayanad	4	6	10
Kannur	5	10	15
Kasaragod	0	0	0
Total	126	193	319

- 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	6448527
Cases with history of International/Interstate travel	74532
Cases with history of contact	6373995

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

Total cases	8655
Cases with history of International/Interstate travel	24
Cases with history of contact	7971
Cases with no history of travel or contact	660

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

Sl no.	District	Name	Place	Age	Gender	Death Date
1	Thiruvananthapuram	Alphonse Peter	Thiruvananthapuram	78	Male	16-02-2022
2	Thiruvananthapuram	Babu Nandakumar	Kilimanoor	59	Male	15-02-2022
3	Thiruvananthapuram	Balakrishnan M	Parassala	75	Male	15-02-2022
4	Thiruvananthapuram	Kamamma	Thiruvananthapuram	97	Female	10-02-2022
5	Thiruvananthapuram	Krishnan Nair	Karakulam	77	Male	12-02-2022
6	Thiruvananthapuram	L Das	Neyyattinkara	81	Male	17-02-2022
7	Thiruvananthapuram	Mohanan	Navayikulam	72	Male	17-02-2022
8	Thiruvananthapuram	Rahul	Madavoor	30	Male	02-02-2022
9	Thiruvananthapuram	Rajamohanan Nair	Thiruvananthapuram	70	Male	11-02-2022
10	Thiruvananthapuram	Sreekantan Nair R	Thiruvananthapuram	83	Male	15-02-2022
11	Thiruvananthapuram	Syamala	Karavaram	66	Female	10-01-2022
12	Kollam	Bindhu S	Thrikkovilvattom	58	Female	17-02-2022
13	Kollam	C Thomas	Edamulakkal	77	Male	16-02-2022
14	Kollam	K Bharathan	Adichanalloor	78	Male	16-02-2022
15	Kollam	Leela	West Kallada	80	Female	13-02-2022
16	Kollam	Mariyama	Punalur	68	Female	11-02-2022
17	Kollam	Maya Chandran T	Kollam	30	Female	24-08-2021
18	Kollam	Neelakandan Sudhakaran	Kollam	82	Male	15-02-2022
19	Kollam	Shereefa Beevi	Mayyanad	73	Female	08-02-2022
20	Kollam	Somadas	Kalluvathukkal	83	Female	14-02-2022

21	Kollam	Sreedaran Nair	Kulakkada	72	Male	07-02-2022
22	Kollam	Violet Nansy	Perinad	76	Female	08-02-2022
23	Alappuzha	Anadhavally	Cheppad	65	Female	13-02-2022
24	Alappuzha	Antony Joseph	Mararikkulam South	92	Male	29-01-2022
25	Alappuzha	Baiju K D	Muhamma	50	Male	12-02-2022
26	Alappuzha	Bhargavi	Ala	84	Female	16-02-2022
27	Alappuzha	Bhaskaran	Budhannur	70	Male	13-02-2022
28	Alappuzha	Dineshan P V	Harippad	63	Male	10-02-2022
29	Alappuzha	Elsamma	Chennithala Thripperuthura	95	Female	15-02-2022
30	Alappuzha	Geetha Kumari	Mannanchery	57	Female	13-02-2022
31	Alappuzha	Gopalakrishnan Nair	Harippad	82	Male	07-02-2022
32	Alappuzha	Jameela	Mannanchery	68	Female	27-08-2021
33	Alappuzha	Karthikeyan	Pallippad	75	Male	10-02-2022
34	Alappuzha	Kathreenamma	Edathua	78	Female	15-02-2022
35	Alappuzha	K Sukumaran Pillai	Bharanikkavu	79	Male	25-01-2022
36	Alappuzha	Kunju Kunju	Nooranad	80	Male	31-01-2022
37	Alappuzha	Marykutty Jacob	Edathua	71	Female	12-02-2022
38	Alappuzha	N Chandrasekharan Nair	Alappuzha	80	Male	18-08-2021
39	Alappuzha	Padminiamma	Cherthala South	93	Female	13-02-2022
40	Alappuzha	P A George	Puliyur	78	Male	15-02-2022
41	Alappuzha	Parameswaran Pillai	Nooranad	85	Male	12-02-2022
42	Alappuzha	Purushothamapanicker	Thanneermukkam	75	Male	10-02-2022
43	Alappuzha	Raghavan Nair A	Vallikunnam	94	Male	07-02-2022
44	Alappuzha	Rajan	Harippad	64	Male	11-02-2022
45	Alappuzha	Remani K	Bharanikkavu	68	Female	02-02-2022
46	Alappuzha	Sainaba	Mannanchery	75	Female	10-09-2021
47	Alappuzha	Sunil Kumar	Aarattupuzha	51	Male	10-02-2022
48	Alappuzha	Suvarna	Muhamma	66	Female	31-01-2022
49	Alappuzha	Thomas Sebastian	Chengannur	87	Male	17-02-2022
50	Alappuzha	Valsala Menon T	Alappuzha	77	Female	14-02-2022
51	Alappuzha	Vijayanathan Achari	Devikulangara	74	Male	06-02-2022
52	Alappuzha	Viswambharan	Muhamma	75	Male	01-02-2022
53	Kottayam	Devasia T J	Chirakkadavu	85	Male	16-02-2022
54	Kottayam	Itty	Panachikadu	66	Male	14-02-2022
55	Kottayam	Krishnan	Thiruvappu	78	Male	15-02-2022
56	Kottayam	Leelamma Devasia	Changanassery	76	Female	05-01-2022
57	Kottayam	Mariam Pathrose	Kanjirappally	74	Female	11-02-2022
58	Kottayam	Mary Joseph	Kidangoor	90	Female	04-02-2022
59	Kottayam	Mr Neelakantan Nair	Pampady	88	Male	14-02-2022
60	Kottayam	Padmanabhan Nair	Kooroppada	91	Male	14-02-2022

61	Kottayam	Parameswara Panickar	Maravanthuruthu	99	Male	12-02-2022
62	Kottayam	Prabhakaran	Poonjar Thekkekkara	73	Male	09-02-2022
63	Kottayam	Thankamma	Nedumkunnam	70	Female	15-02-2022
64	Kottayam	Thomas K G	Kurichy	74	Male	12-02-2022
65	Ernakulam	Alia Kutty	Angamaly	90	Female	07-02-2022
66	Ernakulam	Baby Tv	Mudakkuzha	59	Male	12-02-2022
67	Ernakulam	Chinna	Choornikkara	71	Female	13-02-2022
68	Ernakulam	Kalyani	Thrippunithura	73	Female	13-02-2022
69	Ernakulam	Litty Lonappan	Karukutty	47	Female	03-02-2022
70	Ernakulam	Mathew	Nedumbassery	72	Male	13-02-2022
71	Ernakulam	M K Rajappan	Thrippunithura	90	Male	16-02-2022
72	Ernakulam	Mohanan Mi	Rayamangalam	59	Male	05-02-2022
73	Ernakulam	Narayani	Kadungalloor	48	Female	11-02-2022
74	Ernakulam	Padmanabhan Nair	Mudakkuzha	78	Male	13-02-2022
75	Ernakulam	Parameswaran	Angamaly	75	Male	10-02-2022
76	Ernakulam	P N Vijayan	Thrippunithura	69	Male	12-02-2022
77	Ernakulam	Prabhavathy	Kochi	76	Female	13-02-2022
78	Ernakulam	Raveendran Assari N	Thiruvaniyoor	74	Male	13-02-2022
79	Ernakulam	Samma Varghese	Mulamthuruthy	94	Female	11-02-2022
80	Ernakulam	Sukumariamma	Choornikkara	87	Female	15-02-2022
81	Ernakulam	Thankamma	Kochi	67	Female	15-02-2022
82	Ernakulam	Thankamma	Alangad	85	Female	14-02-2022
83	Thrissur	Annama Antony	Kadukutty	78	Female	12-02-2022
84	Thrissur	Aravindakshan	Kodungallur	83	Male	15-02-2022
85	Thrissur	Francis	Irinjalakuda	49	Male	16-02-2022
86	Thrissur	Gangadharamenon Appu	Irinjalakuda	67	Male	12-02-2022
87	Thrissur	Jameela	Vellangalur	62	Female	09-02-2022
88	Thrissur	Janardhanan P	Thrishur	80	Male	15-02-2022
89	Thrissur	Kamalam	Chelakkara	80	Female	14-02-2022
90	Thrissur	Kochappan	Irinjalakuda	81	Male	14-02-2022
91	Thrissur	Padmanaban M R	Koratty	53	Male	14-02-2022
92	Thrissur	Rajani	Velookkara	72	Female	16-02-2022
93	Thrissur	Safiya Majeed	Edathiruthy	62	Female	16-02-2022
94	Thrissur	T T Augustine	Thrishur	88	Male	16-02-2022
95	Thrissur	Vasu	Thrishur	90	Male	12-02-2022
96	Thrissur	V Savithri	Kodakara	77	Female	16-02-2022
97	Palakkad	Abdhul Latheef	Palakkad	78	Male	16-02-2022
98	Palakkad	Hajira	Melarcod	83	Female	15-02-2022
99	Palakkad	Krishnan	Thenkurissi	67	Male	06-02-2022
100	Palakkad	Lakshmi	Thiruvegappura	80	Female	17-02-2022
101	Palakkad	Mrs KAMALAM C	Vadakkenchery	67	Female	15-02-2022

102	Palakkad	Subramanian	Marutha Road	58	Male	15-02-2022
103	Malappuram	Kunheevi	Ponmundam	90	Female	10-02-2022
104	Malappuram	Madha	Wandoor	65	Female	01-09-2021
105	Malappuram	Nafeesa	Othukkungal	76	Female	12-02-2022
106	Malappuram	Narayanan Nair	Thavanur	65	Male	14-02-2022
107	Malappuram	Narayani	Edavanna	72	Female	15-02-2022
108	Kozhikode	Ahammed Kutty	Kodiyathur	74	Male	16-02-2022
109	Kozhikode	Chekutty E	Karasserri	74	Male	14-02-2022
110	Kozhikode	Kamalam	Peruvayal	77	Female	22-12-2021
111	Kozhikode	Kunjandi	Arikkulam	75	Male	24-01-2022
112	Kozhikode	Mathew	Chakkittappara	71	Male	15-02-2022
113	Kozhikode	Nabeesa P	Kozhikode	75	Female	15-02-2022
114	Kozhikode	Radha	Moodadi	67	Female	12-02-2022
115	Kozhikode	Santha	Naripatta	61	Female	14-02-2022
116	Kozhikode	Thankamani	Valayam	73	Female	22-01-2022
117	Kozhikode	Velayudhan	Kakkodi	83	Male	20-12-2021
118	Wayanad	Fathima	Thondernadu	73	Female	01-02-2022
119	Wayanad	Geetha	Muttil	33	Female	14-02-2022
120	Wayanad	Joseph	Mananthavady	68	Male	19-12-2021
121	Wayanad	Kadeeja Babu	Padinjarathara	67	Female	30-01-2022
122	Kannur	Lakshmanan Nair	Vengad	75	Male	14-02-2022
123	Kannur	Mahamood K V	Padiyoor	65	Male	01-02-2022
124	Kannur	Moideen Kutty	Kannur	68	Male	15-02-2022
125	Kannur	Rocky	Thalassery	77	Male	14-02-2022
126	Kannur	Sasidharan	Ancharakandy	69	Male	14-02-2022

*Deaths in last 24 hours : 18

*Deaths declared in the last 24 hours but of previous days due to late receiving of documents : 108

*Deaths declared through appeal process (Appeal cases filed) in the last 24 hours : 193

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

Table 9. Summary of critical patients

Patients in ICUs	819
Patients on Ventilator support	217

**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
45441438	19986952	77321	139401	894655	172373	52276	24118460

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
64650	37666	169	626	2822	119	23248

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	19531	19262	269	64
Kollam	27266	26781	485	54
Pathanamthitta	28830	28514	316	310
Alappuzha	6682	6529	153	16
Kottayam	17394	17116	278	0
Idukki	9326	9106	220	14
Ernakulam	21717	21014	703	31
Thrissur	15509	15186	323	52
Palakkad	24643	24467	176	13
Malappuram	15608	15396	212	12
Kozhikode	12241	11662	579	22

Wayanad	3108	2980	128	32
Kannur	6271	5975	296	30
Kasaragod	6181	5937	244	29
Total	214307	209925	4382	679

Table 13. Summary of Travel surveillance 17/02/2022

Mode of Travel	Cumulative number of Passengers
International airport	3137114
Total	3137114

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	<i>10,10,657</i>
Total psychosocial support calls to health care workers	<i>64,194</i>
Total Psychosocial support calls received in helpline numbers	<i>95,255</i>
Total calls to all categories of Persons	<i>1,39,17,656</i>

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*