



**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

- 96.8% of the eligible population vaccinated with a single dose of vaccine (2,58,79,843) and 70.6% with a double dose (1,88,64,300) till December 11.
- Kerala is the state with highest rate of Vaccination/ Million- 1253356. The state has vaccinated more than 97% of people aged more than 45 years with a single dose and 80% 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 3795 positives, 3242 persons were eligible for vaccination. 340 were vaccinated with single-dose and 1897 were fully vaccinated.**
- **1005 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 December 3-December 9, the average active cases were 42,024 out of them an average of around 1.9% only were admitted in oxygen beds and 1.5% were in ICU. During this period there was a decrease of around 836 new cases. The growth rate in newly declared cases decreased by 3% during the same week compared to the previous week. The number of active patients, those admitted in hospitals, field hospitals, ICU , ventilator and oxygen support beds has reduced by 9%, 6%, 0.1%, 13%, 18% and 4% respectively in this week compared to previous week. This shows that rate of hospitalization and serious cases are showing a decreasing trend.**
- 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 38,583 cases of infection only 8.1% 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

Table 1. Summary of COVID-19 cases till 10/12/2021

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.2110/2021/H&FWD (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)
5187033	5104456	10318	10060	258	42579	9047	3779

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 reported daily (A)	No of deaths declared as per appeal G.O.(Rt) No.2110/2021/H&FWD (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)
3795	4308	11592	11386	206	50	195	0

Table 3. Cumulative summary as on 11/12/2021

Total Positive cases	Active cases	Total Recovered	Total persons in Quarantine / Isolation	Persons in Home/Institution quarantine	Persons in Hospital Isolation	Total No of Deaths (D)	Total No of deaths declared as per appeal G.O.(Rt) No.2110/2021/H&FWD (E)	Total 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 (F)
5190828	38583	5108764	161939	157425	4514	42824	9242	3779

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	681	595	6028
Kollam	310	249	2149
Pathanamthitta	146	222	983
Alappuzha	139	141	919
Kottayam	312	370	4135
Idukki	132	185	1902
Ernakulam	543	768	5998
Thrissur	445	389	3566
Palakkad	110	14	353
Malappuram	192	209	2077
Kozhikode	413	522	5676
Wayanad	91	267	1452
Kannur	202	309	2398
Kasaragod	79	68	947
Total	3795	4308	38583

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&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	4	21	0	25
Kollam	5	0	0	5
Pathanamthitta	1	0	0	1
Alappuzha	5	0	0	5
Kottayam	3	34	0	37
Idukki	0	0	0	0
Ernakulam	21	44	0	65
Thrissur	0	85	0	85
Palakkad	1	1	0	2
Malappuram	8	0	0	8
Kozhikode	2	0	0	2
Wayanad	0	10	0	10
Kannur	0	0	0	0
Kasaragod	0	0	0	0
Total	50	195	0	245

- 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	5190329
Cases with history of International/Interstate travel	63210
Cases with history of contact	5127119

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

Total cases	3795
Cases with history of International/Interstate travel	14
Cases with history of contact	3581
Cases with no history of travel or contact	200

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

Sl no.	District	Name	Place	Age	Gender	Death Date
1	Thiruvananthapuram	Asuma Beevi	Kizhuvilam	71	Female	10-12-2021
2	Thiruvananthapuram	Sajeev Kumar	Thiruvananthapuram	46	Male	10-12-2021
3	Thiruvananthapuram	Sukumaran Mg	Kizhuvilam	73	Male	30-11-2021
4	Thiruvananthapuram	Susheela M K	Thiruvananthapuram	63	Female	03-12-2021
5	Kollam	Baby Prathap	Thodiyoor	69	Female	09-12-2021
6	Kollam	Gopalakrishnan	Pattazhi	71	Male	06-12-2021
7	Kollam	Philipkutty G	Ummannoor	62	Male	04-12-2021
8	Kollam	Sivapraasadan Pillai	Thevalakkara	70	Male	08-12-2021
9	Kollam	Vasanth Kumari	Karunagappally	62	Female	06-12-2021
10	Pathanamthitta	Thankamma	Koipram	80	Male	26-10-2021
11	Alappuzha	Chandrasekharan	Kainakary	88	Male	16-07-2021
12	Alappuzha	K V Sasidaran	Pattanakkad	71	Male	11-07-2021
13	Alappuzha	Rajappan	Thycattussery	75	Male	13-07-2021
14	Alappuzha	Sarojini	Alappuzha	68	Female	17-07-2021
15	Alappuzha	Valsala Kumari	Ezhupunna	56	Female	15-07-2021
16	Kottayam	Eliamma Chacko	Chirakkadavu	95	Female	08-12-2021
17	Kottayam	Shyni	Kuravilangadu	48	Female	08-12-2021
18	Kottayam	Unni Kurup	Kozhuvanal	54	Male	09-12-2021
19	Ernakulam	Ashif Asharaf	Kadungalloor	29	Male	03-11-2021

20	Ernakulam	Baby	Thrikkakara	75	Female	25-11-2021
21	Ernakulam	Baby Joly	Kochi	70	Female	05-10-2021
22	Ernakulam	Eliswa Chouri	Kochi	92	Female	06-09-2021
23	Ernakulam	Gopi	Edavanakad	67	Male	20-11-2021
24	Ernakulam	Harilal	Kochi	70	Male	05-11-2021
25	Ernakulam	Jayasree	Paipra	51	Female	19-07-2021
26	Ernakulam	Karthiani	Keezhmadu	96	Female	04-09-2021
27	Ernakulam	Madhavi Kochukuttan	Vadavucode-Puthencruz	85	Female	24-06-2021
28	Ernakulam	Mohanan	Vadakkerala	80	Male	17-09-2021
29	Ernakulam	Mohanan	Kalloorkad	57	Male	26-10-2021
30	Ernakulam	Mydhili Ramanan	Thrippunithura	65	Female	18-09-2021
31	Ernakulam	Prabhakaran	Elamkunnappuzha	85	Male	21-08-2021
32	Ernakulam	Rajan M R	Chittattukara	71	Male	14-09-2021
33	Ernakulam	Saleem Patel Sait	Kochi	72	Male	24-08-2021
34	Ernakulam	Saramma Paulose	Aikkaranadu	75	Female	11-09-2021
35	Ernakulam	Sathyan	Pallippuram	69	Male	05-09-2021
36	Ernakulam	Shaila	Thrippunithura	53	Female	20-10-2021
37	Ernakulam	Shaji A A	Kochi	53	Male	22-08-2021
38	Ernakulam	Shamla T S	Kumbalam	48	Female	15-11-2021
39	Ernakulam	Subaida	Kochi	74	Female	02-09-2021
40	Palakkad	Abdul Azeez	Pirayiri	89	Male	11-12-2021
41	Malappuram	Fathima Kodakkal	Abdurehman Nagar	70	Female	04-12-2021
42	Malappuram	Hamza	Anakayam	64	Male	01-12-2021
43	Malappuram	Krishnan	Moorkanad	84	Male	07-12-2021
44	Malappuram	Kunhi Kadhiyammu	Malappuram	65	Female	29-11-2021
45	Malappuram	Nabeesa	Kuttippuram	71	Female	06-12-2021
46	Malappuram	Poku	Vengara	84	Male	03-12-2021
47	Malappuram	Sankunni	Perinthalmanna	72	Male	30-11-2021
48	Malappuram	Valsala Kumari	Amarambalam	58	Female	02-12-2021
49	Kozhikode	Hassan Kutty T K	Chemanchery	83	Male	08-12-2021
50	Kozhikode	Leela	Azhiyur	77	Female	09-12-2021

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

Table 9. Summary of critical patients

Patients in ICUs	588
Patients on Ventilator support	219

**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
40406269	16856610	77321	124233	838286	89422	37593	22389118

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
58344	40797	291	997	573	250	15436

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	29153	27884	1269	
Kollam	8719	8421	298	31
Pathanamthitta	3107	2691	416	6
Alappuzha	3323	3268	55	4
Kottayam	20067	19726	341	7
Idukki	2721	2623	98	3
Ernakulam	23713	23131	582	23
Thrissur	4935	4735	200	34
Palakkad	12646	12506	140	8
Malappuram	10633	10446	187	13
Kozhikode	19096	18823	273	15
Wayanad	11635	11533	102	16
Kannur	7885	7604	281	28
Kasaragod	4306	4034	272	18
Total	161939	157425	4514	206

Table 13. Summary of Travel surveillance 11/12/2021

Mode of Travel	Cumulative number of Passengers
International airport	2615757
Total	2615757

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. **776** 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	776
Total Psychosocial support calls made to persons in quarantine/ isolation.	73,31,265
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	9,75,592
Total psychosocial support calls to health care workers	64,194
Total Psychosocial support calls received in helpline numbers	91,050
Total calls to all categories of Persons	1,31,56,150

PART-V ANNEXURES

Annexure-1: List of Hotspots as on 11/12/2021

Panchayaths and Urban Wards with WIPR >10			
Sl.No	District	LSG	Ward No
1	Ernakualm	Kalloorkkadu	8, 7
2	Ernakualm	Pothanicadu	3
3	Ernakualm	Aikaranad	4
4	Ernakualm	Keerambra	10
5	Wayanad	Vythiri	8

As per G.O(Rt) No.643/2021/DMD dated 18.09.2021

DISTRICT WISE ABSTRACT

Sl. No	Name of District	WIPR (> 10)	
		No. of LSGs	No. of Wards
1	Ernakulam	4	5
2	Wayanad	1	1
Total		5	6

References
1.Thiruvananthapuram: Nil
2.Kollam: Nil
3.Pathanamthitta: Nil
4.Kottayam: Nil
5.Alappuzha: Nil
6.Idukki: Nil
7.Ernakulam: 3804/2020/D2 dated 07.12.2021
8.Thirissur: Nil
9.Palakkad: Nil
10.Malappuram: Nil
11.Kozhikkode: Nil
12.Wayanad: DCWYD/2671/2021/DM5 dated 04.12.2021
13.Kannur: Nil
14.Kasaragod: Nil

Annexure-2: 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-3: 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://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-4: 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	48723831553
Palakkad	4912533323
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*