

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

- 95.2% of the eligible population vaccinated with a single dose of vaccine (2,54,40,998) and 55.1% with a double dose (1,47,29,807) till November 9.
- Kerala is the state with highest rate of Vaccination/Million-1125250. The state has vaccinated more than 96% of people aged more than 45 years with a single dose and 69% 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 6409 positives, 5445 persons were eligible for vaccination. 1077 were vaccinated with single-dose and 2471 were fully vaccinated.
- 1897 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 October 31-November 6, the average active cases were 74,976 out of them an average of around 1.8% only were admitted in oxygen beds and 1.4% were in ICU. During this period there was a decrease of around 7806 new cases. The growth rate in newly declared cases decreased by 14% 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 25%, 12%, 42%, 10%, 6% and 20% 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 71,020 cases of infection only 7.2% 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 8/11/2021

Positive cases	Recovere d 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.2110/2 021/H&F WD (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&F WD Dated 14 October (C)
5020909	4914993	10576	10258	318	33978	1882	3779

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

1	Positive cases	Recovere d patients	New persons in Quarantin e/ 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.2110/20 21/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)
	6409	6319	11846	11434	412	47	337	0

Table 3. Cumulative summary as on 09/11/2021

Total Positive cases	Active cases	Total Recover ed	Total persons in Quarantin e/ Isolation	Persons in Home/Ins titution quarantin e	Persons in Hospital Isolatio n	Total No of Deaths (D)	Total No of deaths declared as per appeal G.O.(Rt) No.2110/20 21/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&F WD Dated 14 October (F)
5027318	71020	4921312	227732	221995	5737	34362	2219	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	Other Districts
Thiruvananthapuram	972	908	10108	Kollam - 79, Pathanamthitta - 19, Alappuzha - 11, Kottayam - 9, Idukki - 11, Ernakulam - 7, Thrissur - 4, Palakkad - 3, Malappuram - 1, Kozhikode - 2, Kannur - 3, Kasaragod - 1, Others - 51
Kollam	789	609	6221	Pathanamthitta - 14, Idukki - 1, Ernakulam - 1
Pathanamthitta	334	385	3538	Alappuzha - 1, Kottayam - 6, Idukki - 1, Ernakulam - 2, Thrissur - 1
Alappuzha	225	281	2600	Pathanamthitta - 43, Kottayam - 34, Ernakulam - 3, Palakkad - 5, Kannur - 1
Kottayam	521	651	5162	Pathanamthitta - 49, Idukki - 43, Ernakulam - 30, Thrissur - 1, Kannur - 2
Idukki	242	284	4041	Kottayam - 15, Ernakulam - 33
Ernakulam	767	1022	7898	Pathanamthitta - 7, Kottayam - 5, Idukki - 13, Thrissur - 1, Palakkad - 5, Wayanad - 1, Kannur - 4, Kasaragod - 2, Others - 305
Thrissur	734	98	10506	Kollam - 1, Pathanamthitta - 1, Alappuzha - 1, Kottayam - 1, Idukki - 1, Ernakulam - 6, Palakkad - 26, Malappuram - 1, Kannur - 1, Others - 1
Palakkad	285	358	2348	
Malappuram	155	365	3598	
Kozhikode	684	695	7341	Thiruvananthapuram - 2, Pathanamthitta - 1, Kottayam - 5, Ernakulam - 13, Malappuram - 4, Wayanad - 23, Kannur - 61, Kasaragod - 14, Others - 1
Wayanad	118	252	2568	Kannur - 3
Kannur	481	304	3898	
Kasaragod	102	107	1193	Kannur - 1
Total	6409	6319	71020	

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	2	0	0	2
Kollam	17	49	0	66
Pathanamthitta	0	40	0	40
Alappuzha	0	16	0	16
Kottayam	0	28	0	28
Idukki	1	0	0	1
Ernakulam	3	124	0	127
Thrissur	6	0	0	6
Palakkad	3	7	0	10
Malappuram	3	62	0	65
Kozhikode	4	0	0	4
Wayanad	4	0	0	4
Kannur	0	0	0	0
Kasaragod	4	11	0	15
Total	47	337	0	384

- 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	5026819
Cases with history of International/Interstate travel	62620
Cases with history of contact	4964199

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

Total cases	6409
Cases with history of International/Interstate travel	23
Cases with history of contact	6020
Cases with no history of travel or contact	366

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

SI no	District	Name	Place	Age	Gender	Death Date
1	Thiruvananthapuram	Najumudheen	Manamboor	51	Male	10-10-2021
2	Thiruvananthapuram	Sugandhaveni	Varkala	89	Female	03-11-2021
3	Kollam	Capt p s pillai	Adichanalloor	78	Male	14-10-2021
4	Kollam	Chandra babu	Kollam	69	Male	12-10-2021
5	Kollam	Chandran pillai	Clappana	50	Male	19-10-2021
6	Kollam	K p laila	Pattazhi	65	Female	08-11-2021
7	Kollam	Lilly joseph	Kollam	87	Female	06-11-2021
8	Kollam	Mariyam beevi	Kundara	86	Female	11-10-2021
9	Kollam	Mohammed kunju	Kollam	80	Male	13-10-2021
10	Kollam	Nabeesa beevi	Velinalloor	73	Female	30-10-2021
11	Kollam	Naseema	Punalur	57	Female	09-10-2021
12	Kollam	Pankajakshi amma k	Kollam	90	Female	14-10-2021
13	Kollam	Raveendran nair	Chadayamangalam	70	Male	01-11-2021
14	Kollam	Remanan	Thekkumbhagam	58	Male	09-10-2021
15	Kollam	Retnakaran k	Punalur	67	Male	07-10-2021
16	Kollam	Salahudeen koya	Kottamkara	66	Male	08-10-2021
17	Kollam	Sathyapalan	Karunagappally	65	Male	07-10-2021

18	Kollam	Sumathikutty amma	Perinad	87	Female	06-10-2021
19	Kollam	Treesa joseph	Kollam	74	Female	05-10-2021
20	Idukki	Ravi	Devikulam	68	Male	02-11-2021
21	Ernakulam	K m joseph	Kochi	90	Male	03-11-2021
22	Ernakulam	Velappan a	Aluva	75	Male	17-06-2021
23	Ernakulam	Zareena khatoon	Kochi	60	Female	03-11-2021
24	Thrissur	Aminakutty	Venkitangu	80	Female	06-11-2021
25	Thrissur	Balakrishnan	Kolazhy	82	Male	08-10-2021
26	Thrissur	Janaki	Kolazhy	74	Female	07-11-2021
27	Thrissur	Jose d thottungal	Manalur	89	Male	02-11-2021
28	Thrissur	Mary p albert	Pudukkad	62	Female	26-10-2021
29	Thrissur	Udayabhanu	Chavakkad	75	Male	04-11-2021
30	Palakkad	George p m	Vadakkenchery	89	Male	15-09-2021
31	Palakkad	Kalyani	Kodumba	80	Female	04-11-2021
32	Palakkad	Kurumba	Muthuthala	76	Female	08-11-2021
33	Malappuram	Kadeeja	Edappal	72	Female	07-11-2021
34	Malappuram	Sudheesh	Thuvvur	36	Male	07-11-2021
35	Malappuram	Velukutty	Porur	70	Male	01-11-2021
36	Kozhikode	G k sreenivasan	Kozhikode	70	Male	05-11-2021
37	Kozhikode	Lakshmi	Onchiyam	86	Female	08-11-2021
38	Kozhikode	Moideen koya m k	Kadalundi	81	Male	08-11-2021
39	Kozhikode	Suresh p	Kozhikode	54	Male	06-11-2021
40	Wayanad	Achappan	Thavinhal	80	Male	03-11-2021
41	Wayanad	Ayishakutty	Pozhuthana	57	Female	29-09-2021
42	Wayanad	Baskaran	Vengappally	62	Male	07-11-2021
43	Wayanad	Nabeesa	Meppadi	65	Female	01-11-2021
44	Kasaragod	Fathima p	Pallikkara	70	Female	07-11-2021
45	Kasaragod	Narayani	Kinanoor - karindalam	82	Female	07-11-2021
46	Kasaragod	Nizamudheen	Ajanur	33	Male	06-11-2021
47	Kasaragod	Shambu nair	Nileshwar	65	Male	06-11-2021

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

Table 9. Summary of critical patients

Patients in ICUs	1057
Patients on Ventilator support	431

^{*}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
38460040	15556727	77321	115201	804856	51795	31769	21828685

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
68692	43458	312	1146	1864	174	21738

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	37267	35885	1382	89
Kollam	20135	19744	391	48
Pathanamthitta	10730	10340	390	15
Alappuzha	4856	4715	141	22
Kottayam	25126	24625	501	13
Idukki	5784	5508	276	4
Ernakulam	36705	35999	706	26
Thrissur	14882	14580	302	56
Palakkad	8153	7944	209	20
Malappuram	15711	15398	313	14
Kozhikode	25371	24880	491	15
Wayanad	9680	9540	140	41
Kannur	6589	6382	207	38
Kasaragod	6743	6455	288	11
Total	227732	221995	5737	412

Table 13. Summary of Travel surveillance 09/11/2021

Mode of Travel	Cumulative number of Passengers
International airport	2348212
Total	2348212

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. 792 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	792
Total Psychosocial support calls made to persons in quarantine/ isolation.	72,12,776
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	953809
Total psychosocial support calls to health care workers	64,194
Total Psychosocial support calls received in helpline numbers	89,822
Total calls to all categories of Persons	1,30,14,650

PART-V ANNEXURES

Annexure-1: List of Hotspots as on 09/11/2021

Annexure-1: List of Hotspots as on 09/11/2021 Panchayaths and Urban Wards with WIPR >10			
Sl.No	District	LSG	Ward No
1	Thiruvananthapuram	Attingal (M)	3
2	Thiruvananthapuram	Nanniyode	5
3	Thiruvananthapuram	Panavoor	3
4	Thiruvananthapuram	Vakkom	7
5	Pathanamthitta	Thiruvalla (M)	18
6	Pathanamthitta	Kottanad	12
7	Pathanamthitta	Thannithode	3
8	Pathanamthitta	Mallappally	13
9	Pathanamthitta	Iraviperoor	5
10	Ernakulam	Muvattuppuzha (M)	26
11	Ernakulam	North Paravur (M)	6
12	Ernakulam	Piravom (M)	10
13	Ernakulam	Thrikkakkara (M)	29
14	Ernakulam	Thrippunithura (M)	17, 28
15	Ernakulam	Amballur	4
16	Ernakulam	Avoli	9
17	Ernakulam	Chittattukara	18
18	Ernakulam	Kalloorkkadu	12
19	Ernakulam	Keerambra	5, 13
20	Ernakulam	Kottuvally	1
21	Ernakulam	Paingottur	6, 9
22	Ernakulam	Palakkuzha	6
23	Ernakulam	Pambakkuda	13
24	Ernakulam	Puthenvelikkara	13, 17
25	Ernakulam	Thirumadi	7
26	Ernakulam	Thuravur	2
27	Thrissur	Chavakkad (M)	6
28	Thrissur	Annamanada	3
29	Thrissur	Athirappally	2, 3, 6
30	Thrissur	Chazhoor	1
31	Thrissur	Edavilnagu	8
32	Thrissur	Mathilakom	7
33	Kozhikode	Keezhariyur	5
34	Kozhikode	Koodaranji	10
35	Wayanad	Kalppatta (M)	23

36	Wayanad	Mananthavady (M)	35
37	Wayanad	Sulthanbatheri (M)	9
38	Wayanad	Kottathara	1, 13
39	Wayanad	Vengappally	13
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	Thiruvananthapuram	4	4
2	Kollam	0	0
3	Pathanamthitta	5	5
4	Alappuzha	0	0
5	Kottayam	0	0
6	Idukki	0	0
7	Ernakulam	17	21
8	Thrissur	6	8
9	Palakkad	0	0
10	Malappuram	0	0
11	Kozhikkode	2	2
12	Wayanad	5	6
13	Kannur	0	0
14	Kasaragod	0	0
	Total	39	46

References
1.Thiruvanathapuram: DDMA/01/2020/COVID/H2 WIPR 12A dated 01.11.2021
2.Kollam: Nil
3.Pathanamthitta: DCPTA/1185/2020/DM5 dated 01.11.2021
4.Kottayam: Nil
5.Alappuzha: Nil
6.Idukki: Nil
7.Ernakulam: 3804/2020/D2 dated 02.11.2021

8.Thirissur: DCTSR/H4/14476/2019 dated 01.11.2021
9.Palakkad: Nil
10.Malappuram: Nil
11.Kozhikkode: DCKKD/4545/2020/F4 dated 31.10.2021
12.Wayanad: DCWYD/2671/2021/DM5 dated 30.10.2021
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 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-3: Table of links to documents, guidelines, and websites

Dashboard	https://dashboard.kerala.gov.in/
Daily Bulletin	http://dhs.kerala.gov.in/ഡെയിലി- ബൂള്ളറ്റിന്%E2%80%8D/

Guidelines and Advisories	http://dhs.kerala.gov.in/ജാഗ്രത- നിര്%E2%80%8Dദേശങ്ങള്%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

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