



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

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**Date: 17/11/2021  
Time: 02:00 PM**

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**

- 95.6% of the eligible population vaccinated with a single dose of vaccine (2,55,38,600) and 59.1% with a double dose (1,57,93,446) till November 17.
- Kerala is the state with highest rate of Vaccination/ Million- 1157778. The state has vaccinated more than 96% of people aged more than 45 years with a single dose and 70% with double dose\*. (\*Target recalculated)
- People have been cooperating we appeal to the 2<sup>nd</sup> 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 6849 positives, 5789 persons were eligible for vaccination. 1001 were vaccinated with single-dose and 2762 were fully vaccinated.**
- **2026 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 November 8-November 14, the average active cases were 70,916 out of them an average of around 1.6% only were admitted in oxygen beds and 1.4% were in ICU. During this period there was a decrease of around 1281 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 6%, 9%, 28%, 9% , 10% and 17% 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 63,752 cases of infection only 7% 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 16/11/2021**

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)
5071135	4971080	9945	9519	426	36087	3625	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)
6849	6046	12092	11749	343	61	327	0

**Table 3. Cumulative summary as on 17/11/2021**

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)
5077984	63752	4977126	208004	202837	5167	36475	3952	3779

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

<b>District</b>	<b>Positive Cases declared today</b>	<b>Declared Negative today</b>	<b>Positive cases admitted in the district</b>	<b>Other Districts</b>
Thiruvananthapuram	839	694	8975	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	523	1039	5172	Pathanamthitta - 14, Idukki - 1, Ernakulam - 1
Pathanamthitta	240	257	2773	Alappuzha - 1, Kottayam - 6, Idukki - 1, Ernakulam - 2, Thrissur - 1
Alappuzha	267	201	2418	Pathanamthitta - 43, Kottayam - 34, Ernakulam - 3, Palakkad - 5, Kannur - 1
Kottayam	700	438	5529	Pathanamthitta - 49, Idukki - 43, Ernakulam - 30, Thrissur - 1, Kannur - 2
Idukki	292	233	3828	Kottayam - 15, Ernakulam - 33
Ernakulam	958	634	7915	Pathanamthitta - 7, Kottayam - 5, Idukki - 13, Thrissur - 1, Palakkad - 5, Wayanad - 1, Kannur - 4, Kasaragod - 2, Others - 305
Thrissur	760	1014	6645	Kollam - 1, Pathanamthitta - 1, Alappuzha - 1, Kottayam - 1, Idukki - 1, Ernakulam - 6, Palakkad - 26, Malappuram - 1, Kannur - 1, Others - 1
Palakkad	249	228	2035	
Malappuram	237	223	2793	
Kozhikode	932	372	7718	Thiruvananthapuram - 2, Pathanamthitta - 1, Kottayam - 5, Ernakulam - 13, Malappuram - 4, Wayanad - 23, Kannur - 61, Kasaragod - 14, Others - 1
Wayanad	330	183	2689	Kannur - 3
Kannur	437	387	4060	
Kasaragod	85	143	1202	Kannur - 1
<b>Total</b>	<b>6849</b>	<b>6046</b>	<b>63752</b>	

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

<b>District</b>	<b>No of Deaths reported daily (A)</b>	<b>No of deaths declared through appeal G.O.(Rt) No.2110/2021/H&amp;F WD Dated 29 September (B)</b>	<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&amp;FWD Dated 14 October (C)</b>	<b>Death Cases approved today (A+B+C)</b>
Thiruvananthapuram	17	5	0	22
Kollam	6	84	0	90
Pathanamthitta	11	45	0	56
Alappuzha	0	21	0	21
Kottayam	0	0	0	0
Idukki	0	9	0	9
Ernakulam	10	45	0	55
Thrissur	6	79	0	85
Palakkad	3	14	0	17
Malappuram	1	23	0	24
Kozhikode	3	0	0	3
Wayanad	3	0	0	3
Kannur	0	0	0	0
Kasaragod	1	2	0	3
<b>Total</b>	<b>61</b>	<b>327</b>	<b>0</b>	<b>388</b>

- 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	<b>5077485</b>
Cases with history of International/Interstate travel	<b>62789</b>
Cases with history of contact	<b>5014696</b>

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

Total cases	<b>6849</b>
Cases with history of International/Interstate travel	<b>18</b>
Cases with history of contact	<b>6507</b>
Cases with no history of travel or contact	<b>324</b>

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

Sl no.	District	Name	Place	Age	Gender	Death Date
1	Thiruvananthapuram	Abdul latheef m a	Mangalapuram	63	Male	01-09-2021
2	Thiruvananthapuram	Gladston d	Malayinkeezhu	60	Male	16-11-2021
3	Thiruvananthapuram	Indira	Kizhuvilam	60	Female	12-11-2021
4	Thiruvananthapuram	John	Peringammala	61	Male	14-11-2021
5	Thiruvananthapuram	Kesavan nair	Thiruvananthapuram	79	Male	12-11-2021
6	Thiruvananthapuram	K thampi	Thiruvananthapuram	71	Male	28-10-2021
7	Thiruvananthapuram	Manoharan nair	Nedumangad	61	Male	14-11-2021
8	Thiruvananthapuram	Muhammed iqbal	Kallara	73	Male	13-11-2021
9	Thiruvananthapuram	Omana k	Thiruvananthapuram	75	Female	03-11-2021
10	Thiruvananthapuram	Philomina john	Thiruvananthapuram	74	Female	12-11-2021
11	Thiruvananthapuram	Sanal kumar k	Poovar	57	Male	15-11-2021
12	Thiruvananthapuram	Sudevan k	Varkala	84	Male	11-11-2021
13	Thiruvananthapuram	Sukumaran nair k	Thiruvananthapuram	80	Male	16-11-2021
14	Thiruvananthapuram	Sushamadevi	Kalliyoor	93	Female	16-11-2021
15	Thiruvananthapuram	Swamini k	Thiruvananthapuram	60	Female	14-11-2021
16	Thiruvananthapuram	Thankamany	Thiruvananthapuram	69	Female	14-11-2021
17	Thiruvananthapuram	Thankappan	Maranallur	65	Male	16-11-2021
18	Kollam	Bhavaniyamma	Punalur	84	Female	02-10-2021
19	Kollam	Devaki	Poruvazhi	88	Female	27-09-2021
20	Kollam	K sarasamma	Kollam	92	Female	15-11-2021
21	Kollam	Pookunju	Alayaman	78	Male	14-11-2021
22	Kollam	Rethnamma Nair	Kunnathur	74	Female	15-10-2021
23	Kollam	Sarasamma o	Ezhukone	89	Female	16-11-2021

24	Pathanamthitta	Annamma yesudas	Koipram	67	Female	15-11-2021
25	Pathanamthitta	Chellappan achari	Ayiroor	70	Male	15-11-2021
26	Pathanamthitta	Jayakumar	Kulanada	55	Male	15-11-2021
27	Pathanamthitta	John paulose	Anikkadu	63	Male	14-11-2021
28	Pathanamthitta	M t thomas	Puramattam	86	Male	11-11-2021
29	Pathanamthitta	Nanookurup ramachandran pilla	Pandalam	79	Male	11-11-2021
30	Pathanamthitta	P a simon	Ayiroor	94	Male	13-11-2021
31	Pathanamthitta	Sreedevi	Ezhamkulam	57	Female	11-11-2021
32	Pathanamthitta	Sukumaran	Kozhanchery	65	Male	15-11-2021
33	Pathanamthitta	Varghese k a	Kulanada	85	Male	07-11-2021
34	Pathanamthitta	Viswambharan	Konni	70	Male	15-11-2021
35	Ernakulam	Abdul azeez	Kochi	88	Male	02-11-2021
36	Ernakulam	Abdul kareem k p	North paravur	57	Male	11-11-2021
37	Ernakulam	Haridas	Kochi	74	Male	30-09-2021
38	Ernakulam	Joseph	Elamkunnappuzha	54	Male	23-09-2021
39	Ernakulam	Joseph P K	Piravom	87	Male	07-11-2021
40	Ernakulam	Kadeeja kunju	Thrikkakara	86	Female	03-11-2021
41	Ernakulam	Khadar k v	Kuzhuppilly	68	Male	10-11-2021
42	Ernakulam	Narayanan	Kochi	95	Male	05-11-2021
43	Ernakulam	P n gopalan	Nedumbassery	81	Male	13-11-2021
44	Ernakulam	Pushkaran	Elamkunnappuzha	58	Male	19-09-2021
45	Thrissur	David c a	Kattoor	60	Male	07-11-2021
46	Thrissur	Dr babu	Chazhur	62	Male	14-11-2021
47	Thrissur	Janardhanan	Vadakkancherry	81	Male	14-11-2021
48	Thrissur	Narayanan	Irinjalakuda	80	Male	07-10-2021
49	Thrissur	Thomas	Pananchery	80	Male	14-11-2021
50	Thrissur	Vijayaraghavan menon c	Panjal	78	Male	01-11-2021
51	Palakkad	Beepathumma	Melarcodes	64	Female	16-11-2021
52	Palakkad	Ponnama	Kumaramputhur	84	Female	09-11-2021
53	Palakkad	Venkittaraman		88	Male	30-07-2021
54	Malappuram	Pathukutty	Valanchery	63	Female	16-10-2021
55	Kozhikode	Asmath	Naripatta	62	Female	11-09-2021
56	Kozhikode	Bhaskaran	Kozhikode	86	Male	15-11-2021
57	Kozhikode	Krishnan p p	Balusseri	83	Male	15-11-2021
58	Wayanad	Koragappan	Vengappally	88	Male	12-11-2021
59	Wayanad	Pappamma	Mananthavady	63	Female	12-11-2021
60	Wayanad	Somachandran k n	Poothady	75	Male	17-11-2021
61	Kasaragod	Raveendran	Nileshwar	60	Male	13-11-2021

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

**Table 9. Summary of critical patients**

Patients in ICUs	<b>876</b>
Patients on Ventilator support	<b>368</b>

*\*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
<b>39000499</b>	<b>15910761</b>	<b>77321</b>	<b>117432</b>	<b>813566</b>	<b>77359</b>	<b>32990</b>	<b>21977384</b>

**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
<b>69334</b>	<b>45613</b>	<b>328</b>	<b>1060</b>	<b>2494</b>	<b>235</b>	<b>19604</b>

**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	26472	25122	1350	60
Kollam	18387	18037	350	29
Pathanamthitta	5043	4654	389	15
Alappuzha	4926	4774	152	27
Kottayam	29609	29129	480	0
Idukki	4640	4461	179	7
Ernakulam	33783	33216	567	32
Thrissur	15940	15648	292	38
Palakkad	8137	8007	130	29
Malappuram	12354	12140	214	13
Kozhikode	22414	22059	355	23
Wayanad	13758	13610	148	23
Kannur	7511	7271	240	42
Kasaragod	5030	4709	321	5
<b>Total</b>	<b>208004</b>	<b>202837</b>	<b>5167</b>	<b>343</b>

**Table 13. Summary of Travel surveillance 17/11/2021**

Mode of Travel	Cumulative number of Passengers
International airport	2416161
<b>Total</b>	<b>2416161</b>

## 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. **807** 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	<b>807</b>
Total Psychosocial support calls made to persons in quarantine/ isolation.	<b>72,54,099</b>
Total psychosocial support follow-up calls made	<b>32,12,102</b>
Total Post COVID calls	<b>11,33,087</b>
Total calls made to persons under treatment for mental illnesses, migrant labourers, differently abled children, elderly persons staying alone	<b>3,48,860</b>
Total Psychosocial support calls to school children	<b>9,61,482</b>
Total psychosocial support calls to health care workers	<b>64,194</b>
Total Psychosocial support calls received in helpline numbers	<b>90,220</b>
<b>Total calls to all categories of Persons</b>	<b>1,30,64,044</b>

**PART-V ANNEXURES**

**Annexure-1: List of Hotspots as on 17/11/2021**

<b>Panchayaths and Urban Wards with WIPR &gt;10</b>			
<b>Sl.No</b>	<b>District</b>	<b>LSG</b>	<b>Ward No</b>
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	Muvattupuzha (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
<i>As per G.O(Rt) No.643/2021/DMD dated 18.09.2021</i>			

***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
<b>Total</b>		<b>39</b>	<b>46</b>

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

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 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	<a href="https://dashboard.kerala.gov.in/">https://dashboard.kerala.gov.in/</a>
Daily Bulletin	<a href="http://dhs.kerala.gov.in/ഡയറിബ്ലി-ബുല്ലറ്റിൻ%E2%80%8D/">http://dhs.kerala.gov.in/ഡയറിബ്ലി-ബുല്ലറ്റിൻ%E2%80%8D/</a>

