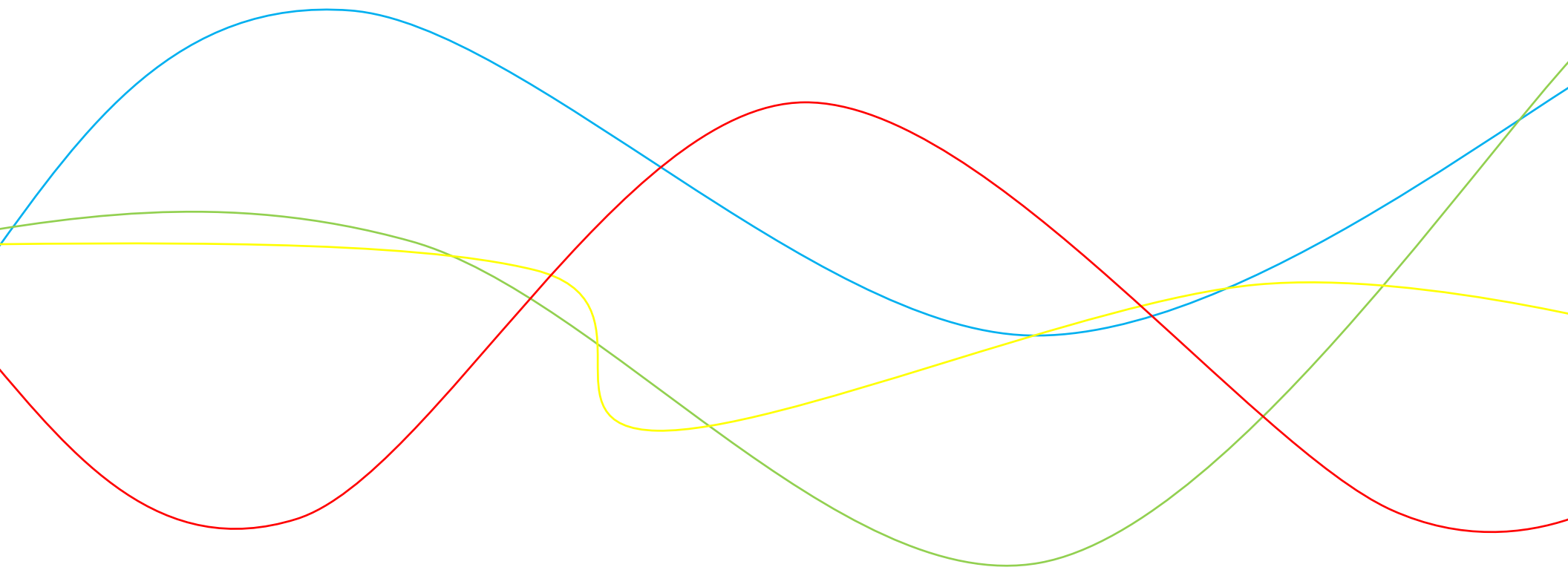


Report on  
Keralite tested Positive outside Kerala  
July 2020



Department of Health & Family Welfare

Government of Kerala



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Acknowledgment

## Report on Keralite tested Positive Outside Kerala-2<sup>nd</sup> Phase

### Executive summary

A total of 227 persons were tested from different labs outside Kerala and found positive as per ICMR Portal on 31/7/2020. Out of these 227 persons, 32 persons could not be traced as their phone numbers were wrong and no specific address was found. Out of 186 persons traced (9 reports pending from Ernakulam district), **only 8 persons** have probably acquired infection from Kerala (TVM-2, WND-2, 1 each from KTM, PKD, KKD & KGD) whose details are given below.

Table.1- Abstract of positive cases

District	No of Persons Tested Positive	Persons who could not be traced	Remarks
TVM	14	3 (phone number & address not correct)	Two cases there is possibility of getting infected from Kerala
KLM	18	3 (phone number & address not correct)	No possibility of getting infected from Kerala
PTA	18	5(phone number & address not correct)	No possibility of getting infected from Kerala
KTM	37	3 (phone number & address not correct)	One case there is possibility of getting infected from Kerala
IDK	10	1 (phone number & address not correct)	No possibility of getting infected from Kerala
ALP	23	3 (phone number & address not correct)	No possibility of getting infected from Kerala
EKM	9		Report not received
TSR	16	1 (phone number & address not correct)	No possibility of getting infected from Kerala
PKD	9	2 (phone number & address not correct)	One case there is possibility of getting infected from Kerala
MLP	7	3 (phone number & address not correct)	No possibility of getting infected from Kerala
KKD	8	0	One case there is possibility of getting infected from Kerala
WND	6	1(phone number is wrong &address is incomplete)	Two patients have possibility of getting infected from Kerala
KNR	22	5(phone number & address not correct)	No possibility of getting infected from Kerala
KGD	29	2(phone number is wrong &address is incomplete)	One case there is possibility of getting infected from Kerala
Total	227	32	8 persons have possibility of getting infected from Kerala

Table.2 District wise details of positive cases

Sl.No	District	Patient ID	Age (Yr)	Gender	Current location of the patient	Date on which the patient travelled to outside Kerala	Date of testing in other State	Destination to which the person travelled?	Chances of getting infected in Kerala
1	TVM	TVM-OSP-2	41	M	Phone number not traceable and address incomplete				Not traced
2	TVM	TVM-OSP-3	27	M	Salem	30.06.2020	30.06.2020	Salem	Likely
3	TVM	TVM-OSP-4	34	M	Bangalore	February 2020	8-7-2020	Bangalore	Unlikely
4	TVM	TVM-OSP-5	24	M	Trivandrum	November 2018	6-7-2020	England-Mumbai	Unlikely
5	TVM	TVM-OSP-6	32	M	Phone not responding & address				Not traced

					incomplete				
6	TVM	TVM-OSP-7	29	M	Mumbai	12-7-2020	13-7-2020	Mumbai	Likely
	TVM	TVM-OSP-8	24	F	Bangalore	July2019	09-07-2020	Bangalore	Unlikely
	TVM	TVM-OSP-9	43	F	Kolkata	June 2016	16-07-2020	Kolkata	Unlikely
	TVM	TVM-OSP-10	26	F	Bangalore	July2019	23-07-2020	Bangalore	Unlikely
	TVM	TVM-OSP-11	22	F	Mangalore	06-07-2020	18-07-2020	Mangalore	Unlikely
	TVM	TVM-OSP-12	26	M	Mumbai, Andheri	06-07-2020	21-07-2020	Mumbai, Andheri	Unlikely
	TVM	TVM-OSP-13	0	M	Jammu	19-06-2020	20-07-2020	Jammu	Unlikely
	TVM	TVM-OSP-14	57	M	Phone number not traceable and address incomplete				Not traced
	TVM	TVM-OSP-15	22	M	Luck now.	04-07-2020	23-07-2020	Luck now.	Unlikely

7	KLM	KLM-OSP-12	24	F	Hyderabad	Oct-19	19-6-2020	Hyderabad	Unlikely
8	KLM	KLM-OSP-13	35	M	Delhi	6-1-2020	5-7-2020	Delhi	Unlikely
9	KLM	KLM-OSP-14	50	F	Alappuzha	Travelled back from Kuwait to Bhopal and tested there on May and found positive after returned back to Kerala and now tested negative	15-5-2020	Returnee from Kuwait to Bhopal and from there to Alappuzha	Unlikely
10	KLM	KLM-OSP-15	40	M	Kolkata	30-12-2019	6-7-2020	Kolkata	Unlikely
11	KLM	KLM-OSP-16	22	M	Bangalore	12-1-2020	07-07-2020	Bangalore	Unlikely
12	KLM	KLM-OSP-17	24	F	Delhi	2018	10-7-2020	Delhi	Unlikely
13	KLM	KLM-OSP-18	22	F	Bangalore	Dec-19	11-7-2020	Bangalore	Unlikely
14	KLM	KLM-OSP-19	22	F	Bangalore	Dec-19	11-7-2020	Bangalore	Unlikely

15	KLM	KLM-OSP-20	44	M	Kolkata	29-11-2019	14-07-2020	Kolkata	Unlikely
9	KLM	KLM-OSP-21	33	M	Phone not responding & address incomplete				Not traced
10	KLM	KLM-OSP-22	22	F	Hyderabad	Dec-19	21/7/2020	Hyderabad	Unlikely
11	KLM	KLM-OSP-23	38	M	Chandigarh	07-04-2020	18/7/2020	Chandigarh	Unlikely
12	KLM	KLM-OSP-24	50	M	Tamil nadu	03-09-2020	18/7/2020	Tamil nadu	Unlikely
13	KLM	KLM-OSP-25	27	F	Phone not responding & address incomplete				Not traced
14	KLM	KLM-OSP-26	31	F	Bangalore	Mar-20	20/7/2020	Bangalore	Unlikely
15	KLM	KLM-OSP-27	22	F	Hyderabad	Nov-19	21/7/2020	Hyderabad	Unlikely
16	KLM	KLM-OSP-28	35	M	Phone not responding & address incomplete				Not traced



17	KLM	KLM-OSP-29	39	F	Gujarat	more than 1 year back	26/7/2020	Gujarat	Unlikely
16	PTA	PTA-OSP-9	25	F	Calcutta	1 year before	June 29, 2020	Kolkata	Unlikely
17	PTA	PTA-OSP-10	24	F	phone number & address not correct				Not traced
18	PTA	PTA-OSP-11	25	F	Hyderabad	Feb 2, 2020	01-07-2020	Hyderabad	Unlikely
19	PTA	PTA-OSP-12	32	F	Phone not responding & address incomplete				Not traced
20	PTA	PTA-OSP-13	28	F	Gujarat	10-2-2020	3-7-2020	Gujarat	Unlikely
21	PTA	PTA-OSP-14	37	F	Gujarat	No travel history to Kerala in 2020	07-07-2020	Gujarat	Unlikely
22	PTA	PTA-OSP-15	24	F	Bangalore	11-3-2020	9-7-2020	Bangalore	Unlikely
23	PTA	PTA-OSP-16	23	F	Bangalore	30-1-2020	9-7-2020	Bangalore	Unlikely

24	PTA	PTA-OSP-17	39	F	Bangalore	July-19	9-7-2020	Bangalore	Unlikely
25	PTA	PTA-OSP-18	23	F	Phone not responding & address incomplete				Not traced
18	PTA	PTA-OSP-19	24	M	Kapurthala (Punjab)	10-06-2020	14-7-2020	Kapurthala (Punjab)	Unlikely
19	PTA	PTA-OSP-20	51	M	West Bengal	January First Week	17-7-2020	West Bengal	Unlikely
20	PTA	PTA-OSP-21	28	F	Delhi	Before 1 year	17-7-2020	Delhi	Unlikely
21	PTA	PTA-OSP-22	27	F	Bangalore	28-12-2019	17-7-2020	Bangalore	Unlikely
22	PTA	PTA-OSP-23	28	F	Mangalore	12-3-2020	20-7-2020	Mangalore	Unlikely
23	PTA	PTA-OSP-24	25	F	Phone not responding & address incomplete				Not traced
24	PTA	PTA-OSP-25	35	M	Lucknow	8-1-2020	22-7-2020	Lucknow	Unlikely
25	PTA	PTA-OSP-26	29	F	Phone not responding & address				Not traced

					incomplete				
26	ALP	ALP-OSP-10	27	F	Mumbai-Nasik	13-01-2020	07-07-2020	Mumbai-Nasik	Unlikely
27	ALP	ALP-OSP-11	68	F	Bangalore	27-10-2019	06-07-2020	Bangalore	Unlikely
28	ALP	ALP-OSP-12	23	F	Hyderabad	26-02-2019	09-07-2020	Hyderabad	Unlikely
29	ALP	ALP-OSP-13	36	M	Delhi	07-10-2019	06-07-2020	Delhi	Unlikely
30	ALP	ALP-OSP-14	33	M	Gujarat	12-12-2019	10-07-2020	Gujarat	Unlikely
31	ALP	ALP-OSP-15	23	F	Karnataka	03-02-2020	12-07-2020	Karnataka	Unlikely
32	ALP	ALP-OSP-16	37	M	Dharavi	01-02-2020	15-07-2020	Dharavi	Unlikely
33	ALP	ALP-OSP-17	25	M	Bangalore	06-11-2019	11-07-2020	Bangalore	Unlikely
26	ALP	ALP-OSP-18	24	F	Bangalore	01-01-2020	26-7-2020	Bangalore	Unlikely
27	ALP	ALP-OSP-19	23	F	Hyderabad	No travel to Kerala in 2020	16-7-2020	Hyderabad	Unlikely
28	ALPY	ALP-OSP-20	23	F	Phone not responding & address				Not traced

					incomplete				
29	ALP	ALP-OSP-21	24	F	Bangalore	10-03-2020	22-7-2020	Bangalore	Unlikely
30	ALP	ALP-OSP-22	30	F	Delhi	No travel to Kerala in 2020	17-7-2020	Delhi	Unlikely
31	ALP	ALP-OSP-23	32	M	Phone not responding & address incomplete				Not traced
32	ALP	ALP-OSP-24	32	M	Hyderabad	08-06-2019	5-7-2020	Hyderabad	Unlikely
33	ALP	ALP-OSP-25	24	F	Delhi	15-12-2019	24-7-2020	Delhi	Unlikely
34	ALP	ALP-OSP-26	33	F	Kolkata	07-01-2020	24-7-2020	Kolkata	Unlikely
35	ALP	ALP-OSP-27	31	F	Thiruchirapally	20-02-2020	24-7-2020	Thiruchirapally	Unlikely

36	ALP	ALP-OSP-28	25	F	Hyderabad	2019-Aug	25-7-2020	Hyderabad	Unlikely
37	ALP	ALP-OSP-29	40	F	Ahmedabad	2019-Aug	25-7-2020	Ahmedabad	Unlikely
38	ALP	ALP-OSP-30	24	M	Bangalore	07-04-2020	28-7-2020	Bangalore	Unlikely
39	ALP	ALP-OSP-31	53	M	Phone not responding & address incomplete				Not traced
40	ALP	ALP-OSP-32	22	F	Bangalore	01-03-2020	28-7-2020	Bangalore	Unlikely
34	KTM	KTM-OSP-9	35	M	House no. 479 nathupur DLF 3 Gurgaon	19.02.2019	28.06.20	Gurgaon	Unlikely
35	KTM	KTM-OSP-10	24	F	Woodlands College of Nursing, Bhasa, Diamond Harber road 24PGS, bora	07.02.20	29.06.20	Kolkata	Unlikely

					gangolia, Kolkata				
36	KTM	KTM- OSP-11	25	F	Woodland s College of Nursing, Bhasa, Diamond Harber road 24PGS, bora gangolia, Kolkata	09.02.20	28.06.20	Kolkata	Unlikely
37	KTM	KTM- OSP-12	24	F	Woodland s College of Nursing, Bhasa, Diamond Harber road 24PGS, boragang olia, Kolkata	12.08.19	29.06.20	Kolkata	unlikely
38	KTM	KTM- OSP-13	31	M	Ruby Hospital, Kolkata	Dece mber 19	02.07.20	Kolkata	unlikely

39	KTM	KTM-OSP-14	31	M	Mukundapur	1/7/2020	02/07/2020	Mukundapur. Kolkata	Likely
40	KTM	KTM-OSP-15	32	F	Bangalore	01-02-2020	09-07-2020	Bangalore	Unlikely
41	KTM	KTM-OSP-16	33	F	Vellore	16-04-2020	07-07-2020	Vellore	Unlikely
42	KTM	KTM-OSP-17	32	M	Kolkata	01-08-2019	08-07-2020	Kolkata	Unlikely
43	KTM	KTM-OSP-18	23	M	Pune	03-02-2020	23-06-2020	Pune	Unlikely
44	KTM	KTM-OSP-19	29	F	Bangalore	01-01-2020	06-07-2020	Bangalore	Unlikely
45	KTM	KTM-OSP-20	32	M	Bangalore	11-07-2019	06-07-2020	Bangalore	Unlikely
46	KTM	KTM-OSP-21	32	M	Phone not responding & address incomplete				Not traced
47	KTM	KTM-OSP-22	38	M	Surat	08-06-2020	08-07-2020	Surat	Unlikely
48	KTM	KTM-OSP-23	26	F	Nasik	Jan-20	09-07-2020	Nasik	Unlikely
49	KTM	KTM-OSP-24	23	F	Bangalore	09-03-2020	10-07-2020	Bangalore	Unlikely
50	KTM	KTM-OSP-25	34	M	Kolkata	Aug-19	09-07-2020	Kolkata	Unlikely

51	KTM	KTM-OSP-26	29	F	Delhi	20-02-2020	14-07-2020	Delhi	Unlikely
52	KTM	KTM-OSP-27	26	F	Delhi	28-01-2020	08-07-2020	Delhi	Unlikely
41	KTM	KTM-OSP-28	24	F	Hyderabad	December 2019	14-7-2020	Hyderabad	Unlikely
42	KTM	KTM-OSP-29	36	M	Mangalore	January 2020	17-7-2020	Mangalore	Unlikely
43	KTM	KTM-OSP-30	39	F	UP	October 2019	16-7-2020	UP	Unlikely
44	KTM	KTM-OSP-31	24	F	Hyderabad	December 2019	18-7-2020	Hyderabad	Unlikely
45	KTM	KTM-OSP-32	35	F	Bangalore	May 2020	25-7-2020	Bangalore	Unlikely
46	KTM	KTM-OSP-33	23	F	Hyderabad	February 2020	20-7-2020	Hyderabad	Unlikely
47	KTM	KTM-OSP-34	34	F	UP Greater Noida	January 2018	16-07-2020	UP Greater Noida	Unlikely
48	KTM	KTM-OSP-35	27	M	Mysore	February 2020	21-7-2020	Mysore	Unlikely
49	KTM	KTM-OSP-36	51	F	Up/ Luck now	August 2019	24-07-2020	Up/ Luck now	Unlikely
50	KTM	KTM-OSP-37	28	M	Mumbai	January 2020	01-07-2020	Mumbai	Unlikely
51	KTM	KTM-OSP-38	33	F	Hyderabad	January 2019	16-7-2020	Hyderabad	Unlikely



52	KTM	KTM-OSP-39	53	M	Phone not responding & address incomplete				Not traced
53	KTM	KTM-OSP-40	32	M	West Bengal Siliguri	January 2020	23-7-2020	West Bengal Siliguri	Unlikely
54	KTM	KTM-OSP-41	35	M	Phone not responding & address incomplete				Not traced
55	KTM	KTM-OSP-42	32	M	Kolkata	June 2019	25-07-2020	Kolkata	Unlikely
56	KTM	KTM-OSP-43	34	M	Delhi	June 2019	27-07-2020	Delhi	Unlikely
57	KTM	KTM-OSP-44	25	F	Hyderabad	02-07-2020	25-07-2020	Hyderabad	Unlikely
58	KTM	KTM-OSP-45	25	F	Bangalore	5-10-2019	27-7-2020	Bangalore	Unlikely
53	IDK	IDK-OSP-11	32	M	Delhi	04-01-2020	23-06-2020	Delhi	Unlikely
54	IDK	IDK-OSP-12	28	M	Madhura	22-02-2020	25-06-2020	Madhura	Unlikely
55	IDK	IDK-OSP-13	24	F	Banglore	27-02-2020	01-07-2020	Banglore	Unlikely

56	IDK	IDK-OSP-14	27	F	Delhi	17-07-2019	13/07/2020	Delhi	Unlikely
57	IDK	IDK-OSP-15	27	F	Delhi	17-07-2019	13/07/2020	Delhi	Unlikely
58	IDK	IDK-OSP-16	30	M	Kolkata	12-12-2019	20-07-2020	Kolkata	Unlikely
59	IDK	IDK-OSP-17	40	F	Haryana	20-07-2019	14-07-2020	Haryana	Unlikely
59	IDK	IDK-OSP-18	42	M	Phone not responding & address incomplete				Not traced
60	IDK	IDK-OSP-19	39	M	Delhi	17-05-2019	23-07-2020	Delhi	Unlikely
61	IDK	IDK-OSP-20	2	F	Delhi	17-05-2019	23-07-2020	Delhi	Unlikely
60	EKM	EKM-OSP-4	37	M	Karanja	1 year back	NA	Karanja	Unlikely
62	EKM	EKM-OSP-5	44	M					Pending report
63	EKM	EKM-OSP-6	34	M					Pending report
64	EKM	EKM-OSP-7	51	M					Pending report
65	EKM	EKM-OSP-8	34	M					Pending report

66	EKM	EKM-OSP-9	32	F					Pending report
67	EKM	EKM-OSP-10	51	F					Pending report
68	EKM	EKM-OSP-11	25	F					Pending report
69	EKM	EKM-OSP-12	34	M					Pending report
70	EKM	EKM-OSP-13	26	M					Pending report
61	TSR	TSR-OSP-10	30	M	HINDUSTAN LODGE, MANGLOR E	30/05/2020	28/06/2020	BANGLORE	Unlikely (Case history attached)
62	TSR	TSR-OSP-11	30	M	Hyderabad	03-07-20	09-07-20	Hyderabad	Unlikely (Details attached)
63	TSR	TSR-OSP-12	23	F	Hyderabad	28-12-2019	07-07-20	Hyderabad	Unlikely
64	TSR	TSR-OSP-13	34	M	Bangalore	10-06-20	06-07-20	Bangalore	Unlikely
65	TSR	TSR-OSP-14	30	M	Mumbai	26-06-2020	12-07-2020	Mumbai	Unlikely(Details attached)
66	TSR	TSR-OSP-15	25	M	Phone not responding & address				Not traced

					incomplete				
67	TSR	TSR-OSP-16	46	M	Dehradun	05-06-2020	14-07-2020	Dehradun	Unlikely
68	TSR	TSR-OSP-17	38	M	Thrissur GH	13-07 -2020	14-7-2020	Thrissur GH	Unlikely(Details attached)
71	TSR	TSR-OSP-18	22	F	Bangalore	17-03-2020	18-07-2020	Bangalore	Unlikely
72	TSR	TSR-OSP-19	24	F	Kolkata	16-09-2019	18-07-2020	Kolkata	Unlikely
73	TSR	TSR-OSP-20	29	M	Bangalore	18-03-2020	18-07-2020	Bangalore	Unlikely
74	TSR	TSR-OSP-21	43	F	Kolkata	21-06-2020	18-07-2020	Kolkata	Unlikely
75	TSR	TSR-OSP-22	27	F	Bangalore	14-02-2020	17-07-2020	Bangalore	Unlikely
76	TSR	TSR-OSP-23	59	M	Lucknow	18-12-2019	21-07-2020	Lucknow	Unlikely
77	TSR	TSR-OSP-24	30	M	Jaipur	15-07-2019	21-07-2020	Jaipur	Unlikely
78	TSR	TSR-OSP-25	80	F	Gujarat	2 years back	23-07-2020	Gujarat	Unlikely
69	PKD	PKD-OSP-11	26	M	Bangalore	30/5/2020	28/6/22020	Bangalore	Unlikely
70	PKD	PKD-OSP-12	27	M	SALEM	30-6-2020	30-06-2020	SALEM	Likely

71	PKD	PKD-OSP-13	58	F	Chennai	No travel history to Kerala in 2020	8-07-2020	Chennai	Unlikely
72	PKD	PKD-OSP-14	93	M	Palakkad	24-06-2020	03-07-2020	Palakkad	Unlikely (Details attached)
73	PKD	PKD-OSP-15	31	M	Phone not responding & address incomplete				Not traced
74	PKD	PKD-OSP-16	30	M	Hyderabad	09-06-2020	24-06-2020	Hyderabad	Unlikely (Details attached)
79	PKD	PKD-OSP-17	56	M	Pattancherry	No travel history	17-7-2020	Pattancherry	Unlikely (Details attached)
80	PKD	PKD-OSP-18	53	F	Vadakarapathy	No travel history	16-7-2020	Vadakarapathy	Unlikely (Details attached)
81	PKD	PKD-OSP-19	52	M	Phone not responding & address incomplete				Not traced
75	M P M	MPM-OSP-6	36	M	Phone number & address not correct				Not traced

76	M P M	MLP-OSP-7	27	M	Andhra Pradesh	No travel history to Kerala in 2020	04-07-20	Andhra Pradesh	Unlikely
77	M P M	MLP-OSP-8	30	F	Hyderabad	10-11-19	30-06-20	Hyderabad	Unlikely
85	M P M	MPM-OSP-9	40	M	Tirur	Returnee from Abudhabi	15-7-2020	Tirur	Unlikely
86	M P M	MPM-OSP-10	29	M	Delhi	No travel to Kerala in 2020	16-7-2020	Delhi	Unlikely
87	M P M	MPM-OSP-11	27	M	Phone not responding & address incomplete				Not traced
88	MPM	MPM-OSP-12	38	M	Phone not responding & address incomplete				Not traced
78	KKD	KKD-OSP-11	23	F	HCW Rajiv Gandhi institute of Nursing Delhi	Jan 2020	25/6/2020	Delhi	Unlikely

79	KKD	KKD-OSP-12	24	F	PG student Trichi	25/6/2020	27/6/2020	Trichi	Likely
80	KKD	KKD-OSP-13	22	F	HCW, Father Mullers Hospital Mangalore	Feb-2020	29/06/2020	Karnataka	Unlikely
81	KKD	KKD-OSP-14	24	F	HCW Apollo hospital Hyderaba d	Jun-19	30/06/2020	Hyderabad	Unlikely
82	KKD	KKD-OSP-15	75	M	BANGLORE	Feb-20	02-07-2020	BANGLORE	Unlikely
82	KKD	KKD-OSP-16	23	M	Mangalore	1-7-2020	22-7-2020	Mangalore	Unlikely
83	KKD	KKD-OSP-17	55	M	Hyderaba d	10-3-2020	22-7-2020	Hyderabad	Unlikely
84	KKD	KKD-OSP-18	26	M	Baroda	26-6-2020	25-7-2020	Baroda	Unlikely
83	WYD	WND-OSP-3	33	M	Vellore	4/6/2020	23/6/2020	Vellore	Likely
84	WYD	WND-OSP-4	42	M	phone number is wrong &address is				Not traced

					incomplete				
85	WYD	WND-OSP-5	34	M	Ahmedabad	April-2020	29/6/2020	Ahmedabad	Unlikely
86	WYD	WND-OSP-6	22	F	Bangalore	5-2-2020	11-07-2020	Bangalore	Unlikely
89	WND	WND-OSP-7	35	M	Delhi	January2019	16-7-2020	Delhi	Unlikely
90	WND	WND-OSP-8	28	M	Kolkata	21-7-2020	24-7-2020	Kolkata	Likely
87	KNR	KNR-OSP-11	31	M	UP Admitted in NOIDA hospital	September 2019	23-06-2020	UP	Unlikely
88	KNR	KNR-OSP-12	26	F	Father Mullers Hospital	01-03-2020	27-06-2020	MANGLORE	Unlikely
89	KNR	KNR-OSP-13	28	F	Yenapoya Hospital.Mangalore	29-06-2020	29-06-2020(result is negative)	MANGLORE	Negative case
90	KNR	KNR-OSP-14	72	M	Bangalore	No travel history to Kerala in 2020	09.06.2020	Bangalore	Unlikely
91	KNR	KNR-OSP-15	27	M	Mangalore	2.2.2020	04.07.2020	Mangalore	Unlikely



92	KNR	KNR-OSP-16	33	F	Mangalore	28.06.2020	06.07.2020	Mangalore	Unlikely(Details attached)
93	KNR	KNR-OSP-17	33	F	Phone not responding & address incomplete				Not traced
94	KNR	KNR-OSP-18	22	F	Bangalore	03-02-2020	12-07-2020	Bangalore	Unlikely
95	KNR	KNR-OSP-19	25	F	Bangalore	Nov 2019	14.07.2020	Bangalore	Unlikely
96	KNR	KNR-OSP-20	2	F	Phone not responding & address incomplete	Child of KNR-OSP-17			Not traced
97	KNR	KNR-OSP-21	37	M	Kolkata	2018	30-6-2020	Kolkata	Unlikely
91	KNR	KNR-OSP-22	34	F	Bangalore	2020 March	14.07.2020	Bangalore	Unlikely
92	KNR	KNR-OSP-23	32	M	Kolkata	At Kolkata Since 1 yr	17.07.2020	Kolkata	Unlikely
93	KNR	KNR-OSP-24	35	M	Phone not responding & address incomplete				Not traced

94	KNR	KNR-OSP-25	25	F	Mumbai	was at Qatar since 2 yr	20.07.2020	Qatar-Mumbai-KNR	Unlikely
95	KNR	KNR-OSP-26	39	M	Lucknow	2020 Jan	22.07.2020	Lucknow	Unlikely
96	KNR	KNR-OSP-27	29	F	Phone not responding & address incomplete				Not traced
97	KNR	KNR-OSP-28	32	M	Gujarat	No travel history to Kerala in 2020	24.07.2020	Gujarat	Unlikely
98	KNR	KNR-OSP-29	82	M	Manipal, Kasthurba MCH, admitted	Feb.14 2020	24.07.2020	Mangalore	Unlikely
99	KNR	KNR-OSP-30	22	F	Manipal, Kasthurba MCH, admitted	Jan.21,2020	26.07.2020	Mangalore	Unlikely
100	KNR	KNR-OSP-31	29	M	Phone not responding & address incomplete				Not traced
101	KNR	KNR-OSP-32	30	M	Bangalore	Dec-19	4.07.2020	Bangalore	Unlikely

98	KGD	KGD-OSP-15	23	M	Mangalore	Travel from Bangalore to Mangalore on 28/06/2020(Travel to Bangalore from Kerala on 11.06.2020	28/06/2020	Mangalore	Unlikely
99	KGD	KGD-OSP-16	54	F	Mangalore	18.06.2020	01.07.2020	Mangalore	Unlikely (Details attached)
100	KGD	KGD-OSP-17	33	M	Phone number is wrong & address is incomplete				Not traced
101	KGD	KGD-OSP-18	71	M	Mangalore	March 2020	7-7-2020	Mangalore	Unlikely
102	KGD	KGD-OSP-19	65	F	Mangalpadu	6-7-2020	7-7-2020	Mangalpadu	Unlikely (Details attached)
103	KGD	KGD-OSP-20	80	M	K.S.Hedge hospital Derlakkatta	4-7-2020	6-7-2020	K.S.Hedge hospital Derlakkatta	Unlikely (Details attached)
104	KGD	KGD-OSP-21	25	M	K.S.Hedge hospital Derlakkatta	Aug-2019	6-7-2020	K.S.Hedge hospital Derlakkatta	Unlikely

105	KGD	KGD-OSP-22	21	F	Appolo Hospital Bangalore	Sep-2019	7-7-2020	Appolo Hospital Bangalore	Unlikely
106	KGD	KGD-OSP-23	58	M	Meenja	7-7-2020	8-7-2020	Meenja	Unlikely (Details attached)
107	KGD	KGD-OSP-24	60	M	Yennepoya MCH Derlakkatta	2-7-2020	10-7-2020	Yennepoya MCH Derlakkatta	Unlikely (Details attached)
108	KGD	KGD-OSP-25	26	M	Yennepoya MCH Derlakkatta	24-3-2020	9-7-2020	Yennepoya MCH Derlakkatta	Unlikely
109	KGD	KGD-OSP-26	59	M	GMC Pariyaram	April 2020	15-7-2020	Mangalore	Unlikely
110	KGD	KGD-OSP-27	35	F	Mangalore	May 2020	15-7-2020	Mangalore	Unlikely
102	KGD	KGD-OSP-28	44	M	Periya Road, Kasaragod	12-07-20	17-07-20	Mangalore	Likely
103	KGD	KGD-OSP-29	26	M	Mangalore	11-03-20	15-07-20	Mangalore	Unlikely
104	KGD	KGD-OSP-30	62	M	Phone Not Responding & Address				Not traced

					Incomplete				
105	KGD	KGD-OSP-31	35	M	Kumbala, Kasargod	Aug-2019	17-07-20	Muscat-Mangalore	Unlikely
106	KGD	KGD-OSP-32	29	M	Mangalore	Jan-20	19-07-20	Bangalore	Unlikely
107	KGD	KGD-OSP-33	32	F	Mangalore	10-03-20	15-07-20	Mangalore	Unlikely
108	KGD	KGD-OSP-34	42	M	Delhi	18-07-20	22-07-20	Delhi	Unlikely (Details attached)
109	KGD	KGD-OSP-35	25	F	Derlakkatta	May-20	21-07-20	Derlakkatta	Unlikely
110	KGD	KGD-OSP-36	31	F	Kudlu, Kasaragod	Sep-19	17-07-20	Australia-Hyderabad	Unlikely
111	KGD	KGD-OSP-37	46	F	Mangalore	20-07-20	21-07-20	Mangalore	Unlikely (Details attached)
112	KGD	KGD-OSP-38	62	M	Mangalore	15-06-20	20-07-20	Mangalore	Unlikely
113	KGD	KGD-OSP-39	35	M	Movvar Kasaragod	May-20	19-07-20	Bangalore	Unlikely
114	KGD	KGD-OSP-40	25	F	Derlakkatta	05-03-20	22-07-20	Derlakkatta	Unlikely
115	KGD	KGD-OSP-41	46	F	Thookkottu, Ullal, Mangalore	Sep-19	24-07-20	Derlakkatta	Unlikely

116	KGD	KGD-OSP-42	27	F	K.S Hegde Hospital, Derlakkatta	Feb-20	27-07-20	Derlakkatta	Unlikely
117	KGD	KGD-OSP-43	30	M	Kannur		27-07-20	Delhi	Unlikely (Details attached)

## DETAILED HISTORY

### THIRUVANANTHAPURAM CASES

TVM-OSP-3;27-Year/Male, Kunnathukal, Neyyattinkara, Trivandrum,

The person is a meter reader in KSEB. He got job as railway technician in railway department Salem. He went to join a new job on 30.06.2020 by car with his uncle. On there he was tested and found positive on the same day. On tracing the history his uncle is a car driver with history of dropping persons to Airport but he was tested and found negative. The mentioned person had no history of travel to distant places, only local travels to junctions, shops etc. As part of his job he had visited around 300 houses in the Kunnathukal Panchayath as part of meter reading. Four of his house hold contacts were tested negative. No COVID cases in Kunnathukal Panchayath during the month of June. In July one Kunnathukal native who was staying near Palayam market (Zomato delivery boy) became positive, but he didn't travel to Kunnathukal. Around 190 primary and 350 secondary contacts were identified and 44 samples taken as a part of containment activity and around 10 positives identified. It includes one fancy shop owner and his family members. From CCTV the above-mentioned person was seen with the positive shop owner in this fancy shop. One of his neighbours who is a mortuary staff in GMCH, TVM later tested positive.

Inference: Probable source of infection is from Kunnathukal Panchayath where around 8 family members of a fancy shop owner was tested positive and the affected person had visited the shop. The shop keeper might have infected from the goods/ persons carrying goods to his shop from other states.

TVM-OSP-7; 29 Year / Male, Adimalathura, Chowara.P.O, Kottukal Thiruvananthapuram

The person was working in Merchant Navy came to his house on 20th January to attend his sister's wedding on February and he was staying in his home at Adimalathura till 9<sup>th</sup> July. On 10<sup>th</sup> July he left to airport in his brother-in-law bike and from there to Mumbai by flight. On 11<sup>th</sup> he was tested in Mumbai and detected positive .He was asymptomatic at time of testing. During his stay no history of travel to distant places but he frequently goes to Pulluvila area where many persons were coming from Poonthura as part of fish trade and for playing games and many leisure activities in coastal area. He used to participate in all these activities. One of his contacts a 20 yr old male came with flu like illness on FHC Kottukal on 18<sup>th</sup> July and he was tested positive on 19<sup>th</sup> July and it was the first case in Kottukal panchayath. On 21<sup>st</sup> July all his 5 family contacts tested and all were positive and whole Panchayath is now in critical containment zone and upto 28<sup>th</sup> July 100 positive cases identified in this coastal area panchayath. All his family contacts were asked to come for testing on 27<sup>th</sup> July, but only his mother came and she was negative.

Inference: Probable source of infection is from from Pulluvila area where he may get contact with many positive cases (cluster)as he had frequent visit to that area.

KTM-OSP-14; 31 year/Male, Onamthuruthu PHC, Neendoor Panchayath

The person is a nurse working in Narayana Hridayalaya hospital in Kolkata returned to Kolkata on 1<sup>st</sup> of July from Neendoor. He was tested for COVID-19 at the hospital before joining on 2<sup>nd</sup> of July and the results came as positive on the same day evening. He is in quarantine in a hotel arranged by the hospital. His friend Mr. Appu drove him to the airport on the 1<sup>st</sup> of July. They did not stop anywhere during the journey. He took Kochi – Bangalore Indigo flight 6E6345/ 344 seat no 28A and Kolkata Indigo flight seat no 30 A.

He had reached Neendoor home during February. He was staying with his parents 60 yr old father and 58 yr old mother and 27 yr old wife. The house is frequently visited by his 33 years old sister and brother in law and their son

7 years old child. His sister works in the office of a cable company. Brother in Law works as an attender in Caritas hospital.

The person visited a shop opposite to Mahalakshmi silks in Ettumanoor to buy a bag. He spent around 10 minutes in the shop. Both he and the salesperson were wearing masks and had maintained a distance. He also gives a history of visiting a Xerox shop in Neendoor on 30<sup>th</sup> June. There were two persons in the Xerox shop. Both of them were wearing masks. He was wearing a mask too and maintained a distance of more than one meter. He dropped his wife in her house at Alappuzha on his way to the airport. He spent around 45 minutes with her family which includes her aged parents and grandparents

His father is a fish vendor. He was selling fish post lock down. He buys fish from Vaikkam and sells fish going around in his two-wheeler. He developed myalgia, dry cough fever and swelling of eyes around 10<sup>th</sup> of June. He visited fever clinic in MCK Kottayam and was advised to continue T Azithral. He was not tested for COVID. The symptoms worsened and he returned to fever clinic again the next day. He was referred to Medicine OPD from fever clinic. Because the medicine OPD was crowded they went to Caritas hospital. There he was tested positive for Dengue. He was not tested for COVID in Caritas hospital. He was admitted in Caritas hospital for five days and got discharged on 15<sup>th</sup> and he does not have any comorbidities. His mother is an NREG worker and has been working till July. He was asymptomatic. None of his family members nor his sister's family have had any symptoms in the last one month. The person doesn't have any co-morbidities.

About 23 primary contacts including family contacts and 12 secondary contacts were traced and out of that 21 persons were tested. No positives detected and all were negative. The source of infection is yet to be ascertained.

In Neendoor Panchayath 3 COVID cases were reported in June and 2 cases in May and all were travelers. About 21 samples tested in June and all were negative.

Inference: Probable source of infection is from Kottayam. For identifying the exact source of infection detailed epidemiological investigation is needed.



## THRISSUR CASES

TSR-OSP-10; 30 Year/Male; Thrissur, Kerala

The person is a native of Vengidangu, Thrissur and was working in Jose Alukkas Jewelry as an accountant in Bangalore showroom. Due to lock down he came back to Kerala on March 21<sup>st</sup>. He was in Quarantine for next 28 days.

On May 30<sup>th</sup> he returned to Bangalore by Bus arranged by Jose Alukkas and reached there on May 31<sup>st</sup> and went in to quarantine for 14 days. In June 16<sup>th</sup> he rejoined duty. In June last week, one person from Iringalakuda who was in the bus became positive. So, he and his three friends who were in the bus went in to self-quarantine. His two co-travelers also had symptoms and both of them were admitted and COVID tested on 28.06.2020. Later they became positive on 03.07. 2020. Even though he demanded for testing, it was not done.

They went to Mangalapuram with another three persons from Bangalore. There they got tested at Wenlock Hospital on 28.06.2020 and stayed in a lodge waiting for result. He had mild diarrhea and anosmia and was given treatment. Two persons with him became positive and were shifted to hospital. Other three including him are waiting in the lodge awaiting result. The information that he was positive was known to him from Thrissur DMOH only.

Inference: Probable source of infection- He probably acquired infection from his roommate at Bangalore who became positive on 28/6/2020

TSR-OSP-11; 30 Year/Male, Varanthurappilly Thrissur

The person is working in Indian Oil Corporation Hyderabad and came to Kerala on May 4<sup>th</sup> 2020. He was on strict quarantine for 14 days. After that also he was keeping self-quarantine for another 14 days as his father was suffering from renal disease. He went back to Hyderabad on 03-07-2020 by flight. His throat swab was taken for COVID-19 and found positive on 09-07-2020. His contact tracing has been done and swab taken for 18 contacts including his family members and contacts in the shops he visited. All results are negative In Varanthurappilly upto July 3<sup>rd</sup> 4 cases are reported, one each on 6<sup>th</sup>, 21<sup>st</sup>, 24<sup>th</sup> & 25<sup>th</sup> June and all these cases are travelers who were in

quarantine. First local case reported only in July 2<sup>nd</sup> week and that was a person who visited Iringalakkuda cluster. No sentinel surveillance samples collected from this Panchayath in June.

Inference: Probable source of infection- Very rare chance of getting infection from Varantrapilly and more chance of him getting infection while travel to Hyderabad.

TSR-OSP-14; 30 Year/Male, North Nada Guravayur P.O Chavakkad Thrissur

The person is working as a sailor in Merchant Navy. He reached Kerala on February 26,2020. He returned back to Mumbai for travelling to Denmark in ship on 26-06-2020. On 25-06-2020, prior to travel he did RT-PCR test from DDRC Panampilly Nagar Ekm and found negative. For two weeks he was in Mumbai on self-quarantine. On 09-07-2020 he again did RT-PCR test and antibody test from Mumbai to board the ship and result was negative. But due to some technical reasons he could not travel in the ship on 9<sup>th</sup> July. So before boarding the ship on 11-07-2020 he again did RT-PCR and this time the result was positive. He was having mild headache and fever at that time .Now he is asymptomatic and on institutional quarantine at Hayath Hotel Mumbai. He is having 3 primary contacts (parents and one brother) at Guruvayoor. Contact tracing has been done. Throat swab for 3 primary contacts taken and result are negative. In the Chavakkad area in June only 3 cases were reported and all these cases were travellers. In June 100 sentinel surveillance samples collected from this area and all results were negative

Inference: Probable source of infection: He probably got infection while his stay in Mumbai as first two samples tested within a period of two weeks after travel from Kerala were negative

TSR-OSP-17;38 Years/Male, Kundaliyur, Thrissur

The person came to Kerala for work (fishing) from Tamilnadu along with 14 people by bus on 13-07-2020. As the harbour was locked he was staying in the room itself along with 14 people. He had no symptoms. But his sample was taken in Kanyakumari on 13<sup>th</sup> itself as they were crossing border. As his result came as positive now, he was shifted to General hospital Thrissur. Contact tracing has been done and 14 samples of primary contacts has taken who came with him in bus and 9 was positive.

Inference: Probable source of infection: From his native place in Kanyakumari and he is not a Keralite

#### KANNUR CASE

KNR-OSP-16; 33 Year/Female from Kannur.

The person is MDS student studying in Mangalore. She went to Mangalore on 28<sup>th</sup> June and joined duty and she had history of contact with a positive case in hospital and she was her primary contact. On 7<sup>th</sup> July she was tested and found positive.

Inference: Probable source of infection: She might have got infection from the positive patient whom she attended during her duty at Mangalore hospital.

#### PALAKKAD CASES

PKD-OSP-12; 27 Year/Male; Palakkad, Kerala

The person is a native of Nalleppally Panchayath in PKD, went to Salem on 30/6/2020 by car and was tested there and found positive on same day. Nalleppally Panchayth is in Chittoor taluk and it shares border with Tamilnadu. Their social behaviour and culture all are linked with TN and for routine daily activities they used to travel to Tamilnadu. So, the district administration is planning a sentinel surveillance in Chittoor taluk. In Nalleppally Panchayath during the month of June, there were 5 cases. Two of them had travel history from Kuwait & Saudi Arabia, 2 persons were working at Checkpost and one lady who had no travel history but her son (driver) came from Toothukudi district of Tamil Nadu and found negative. A total of 71 sentinel samples and 57 routine samples were taken from the area in the month of June. The person had no history of contact with these positive cases. A total of 50 contacts were identified, including his family contacts and all were kept under quarantine

Inference: Probable source of infection from Nalleppally Panchayath and detailed epidemiological investigation is needed for identifying source of infection

PKD-OSP-14; 93 Year /Male, Kolappully, Palakkad

The person had visited VGM, Coimbatore for Cholecystectomy on 24<sup>th</sup> June. He was tested negative on the next day of arrival at Coimbatore. One week after surgery he was tested as he had difficulty in breathing on 3<sup>rd</sup> July and he turned out to be positive. He has no contact with any case during his stay in Palghat. All his family contacts tested and they are negative. In Shornur area, there were 6 cases in June and all were imported cases. In Shornur 54 samples tested as part of sentinel surveillance and all were negative.

Inference: Probable source of infection: He might have got infection from hospital in Coimbatore as he was in hospital for around 10 days before development of symptoms.

PKD-OSP-16; 30 Year/Male from Palakkad.

The person is working in Indian Army in Hyderabad. He went to Hyderabad on 8<sup>th</sup> June and there he had contact with his co-worker who was positive and he became his primary contact and later tested positive on 24<sup>th</sup> June. He didn't disclose his address in Palghat, so LSGD where he stayed during his stay in Palakkad is not known.

Inference: Probable source of infection: He might have got infection from his co- worker in Hyderabad.

PKD-OSP-17; 56 Year/Male, NANNIYODE, Palakkad, KERALA

The person was bed-ridden with multiple illnesses. He went to Karuna Medical College, Palakkad for swab testing on 17/07/2020 and it was sent to Microbiological Laboratory, Coimbatore for testing. Result came as positive on 18/7/2020. Since it was done outside Kerala, repeated the test on 19/07/2020 and the result came as negative. So, he was not declared as positive. No history of travel/ contact history for this person.

Inference: The person is tested negative in Kerala

PKD-OSP-18; 53 Year /F, PALAKAD, KERALA

The person went to Karuna Medical College, Palakkad. Her swab was taken on 16/07/2020 at Karuna Medical College, Palakkad and it was sent to Microbiological Laboratory Coimbatore for testing. Result came as positive on 18/7/2020. Since it was done outside Kerala, repeated the test on 19/07/2020 and the result came as negative. Hence, she was not declared as positive. No history of travel/ contact with any of the positive patients.

Inference: The person is tested negative in Kerala

### KOZHIKODE CASES

KKD-OSP-12; 24 Year/Female; Arakinar P.O, Kozhikode

The person is a PG Medical student and had history of recurrent travel following PG Allotment. Reached Coimbatore on June 3rd from Calicut following 1st PG Allotment, joined Pulmonary medicine in Coimbatore Medical college attended class for 1 week. There she was tested and found negative. On 2<sup>nd</sup> allotment got Paediatrics in Trichi Medical college travelled alone on 25<sup>th</sup> June. On 25<sup>th</sup> June reached Trichi, detected to be Positive from there. After leaving to Coimbatore she has no contact with her family members. No Covid positive case in Beypur in May . A total of 6 samples tested in Beypur including her family contacts and all were negative  
Inference: Probable source- She might have infected from Coimbatore where she had joined PG course in Pulmonary medicine and attended classes for 1 week.

### WAYANAD CASES

WND – OSP-3; 33 Year/Male; Valavayal, Kenichira; PHC Poothadi

The person is working in Malabar Gold, Vellore came to Wayanad on March 2020. He stayed at home and doesn't have any travel history in Wayanad since it was lockdown. He went to Vellore on 04.06.2020 by Car. He stayed 4 days in home and re-joined duty on 09.07.2020. Symptoms started on 22.06.2020 (Fever & sore throat) he was tested on 22.06.2020 and came positive on 23.06.2020 and admitted to Adukumpara Govt. Hospital and discharged on 01.07.2020. He is now under Home quarantine at Vellore.

His co-worker came from Thanjavur had symptoms and worked in the show room. He went back to Thanjavur and tested positive for COVID on 19.06.2020.

Inference: Probable source – Co-worker who turned positive on 19/6/20; Locally acquired from Vellore or asymptomatic customers who came to shop.

WND-OSP-8 : 28/M NANDIGRAMAM MADAKUNNU

The person is working as an analyst in Radiology Department of Apollo Gleneagles Hospital Kolkata. He was on work from home since March 2020 and was in Vengapally area of Wayanad. He was aware of COVID protocols and was strictly following it. No distant travels done, only local travel for necessary purchases done. He left to Kolkata from Wayanad on 21<sup>st</sup> July and stayed in a hotel at Ernakulum for one day and left to Kolkata by flight. On reaching the workplace he was screened on 23<sup>rd</sup> and his result came as positive on 24<sup>th</sup> July. On knowing his positive status, all his contacts in family and shops he visited were identified and tested. A total of 28 contacts identified and tested and all results were negative. In Vengapally Panchayath a total of 5 cases were identified till July and all were travellers. This patient has no contact with any of these cases. A total of 107 samples including sentinel surveillance samples tested and 5 were positive (import cases) in Vengapally.

Inference: Probable source –The infection may be from Wayanad and detailed epidemiological investigation is needed for identifying exact source of infection.

#### KASARAGOD CASES

KGD-OSP-15; 23-year-old male; Kasaragod, Kerala

He is a Sales man in Jose Alukkas at Bangalore, He returned to Bangalore on June 11<sup>th</sup> by bus, stayed in quarantine for 14 days in the staff lodge and entered duty on 25/06/2020. He planned to return back to Kerala along with 3 other co-workers owing to positive result of 1 of their nearby roommates (native of Trissur). So far more than ten Keralites tested positive at Bangalore who are working at Jose Alukas Bangalore. He reached Mangalore by Karnataka KSRTC Bus on 28/06/2020, throat swab was taken from Wenlock hospital Mangalore and stayed in a lodge. Tested positive on 08/07/2020 and shifted to Mangalore University CFLTC along with 2 other co-workers from Palakkad and Thrissur who were tested positive at Mangalore.

Inference: Probable source of infection- He got infected through contact from his positive fellow workers at Jose Alukkas.

KGD- OSP -16; Female, Pallikara, Hosdurg

The person was staying at Mangalore with her husband, they came to Kerala on 15/03/2020 by train to visit her mother at Nileswaram. They were held up here due to lock down. Her husband was a cancer patient (Ca rectum Underwent colostomy & undergoing chemotherapy from Mangalore institute of oncology). Their chemotherapy was delayed due to lockdown & closure of Mangalore boarder, so they visited Aster Mims hospital Kannur and 3 cycles of chemotherapy done during Last weeks of April and May as day care chemo. Then PET CT scan taken from MIMS hospital Calicut on 02/06/2020. Then they returned to Mangalore on 18/06/2020 to consult at Mangalore institute of Oncology for colostomy closure. Her husband admitted to the hospital on 26th June and pre-operative preparations were done. COVID 19 test were also done on 01/07/2020 to both of them. Husband was tested negative & she was tested positive on 03/07/2020. Then she was shifted to Highland hospital, Mangalore, repeat swab taken on the next day (04/07/2020), which was negative (Result came on 06/07/2020). At present, she is staying with her husband at Mangalore at their residence. In Nillewaram block from 18/5/2020 to 18/6/2020 ,523 samples were tested and 518 were negative and 5 positives and all were travelers. The person had no contact with any of the positives. All her family contacts were tested and all were negative.

Inference: Probable source of infection is from Mangalore where she had recurrent hospital visits and stay since 18<sup>th</sup> June.

KGD-OSP-19; 65 Year/Female, Kasaragod

The person is heart patient and travelled to Manglore for treatment. She was tested from KMC hospital Manglore and the result was positive. She was admitted in the KMC hospital for one week (6-7-20 to 13-7-20) later she was discharged from the hospital and came back to Kerala. On investigating she has no travel history other than visit to hospital in Manglore for her ailments. Her granddaughter was a lab technician working in Kumbala area, but when she was tested, she was negative and 5 primary family contacts also tested and they were all COVID 19 negative. Mangalpadya area is bordering Karnataka and most of the people are going to Manglore hospitals for health care and also there is people going to Manglore for routine activities. In Mangalpadya area 280 samples

were tested including sentinel surveillance and out of it 19 were positive and 261 negative and positive cases were having travel history to Mangalore and their contacts

Inference: Probable source of infection: She might have got infection from the hospital in Mangalore where she had frequent visit.

KGD-OSP-20; 80 Year/Male from Vorkady, Kasaragod

The person with known history of DM on regular medication, had history of chest pain on 4/07/2020. He consulted at K. S. Hegde hospital, Derlakkatta, Mangalore. Diagnosed as Inferior wall MI. Medical management was given. Swab was taken for Covid 19 on 5/07/2020 presurgically and results came as positive on 6/07/2020. He has previous history of frequent visit to Derlakkatta area for hospital purpose. K.S.Hegde hospital has reported many positive cases including health care workers. His 5 family contacts were tested and they all were negative. In this Meenja Panchayath area 105 samples tested and 4 were positive and 101 were negative. All positives have travel history to Derlakkatta area which is a hospital hub having these major hospitals

Inference: Probable source of infection: He might have got infection from the hospital in Mangalore where he had frequent visit.

KGD-OSP-23; 58 Year/Male, Charla Post, Kuloor, Kasaragod

This person had past h/o nephrectomy 4 years back for some renal anomaly (data not available) & known hypertensive on regular medications. He had loose stools for 2 days since 2-07-2020 and consulted at Yenepoya medical college Derlakkatta on 4-07-2020. He was admitted for the same. His throat swab was taken on 8-07-2020, but the result was available only on 17<sup>th</sup> July and was found COVID 19 positive. During the period of hospital stay, he was symptomatically better and was discharged on 20<sup>th</sup> July. He also belongs to Meenja Panchayath. He also had visit to Yenepoya medical college for his routine health check-ups and had history of travel to Mangalore on June also. All his family contacts tested and they are negative. In this Meenja panchayath area 105 samples tested and 4 were positive and 101 were negative. All positives have travel history to Derlakkatta area which is a hospital hub having these major hospitals



Inference: Probable source of infection: He might have got infection from the hospital at Derlakatta Mangalore where he had frequent visit.

KGD-OSP-24; 60 Year/Male, Durgipalla Post, Kasaragod

This person had history of visit to Yenepoya Medical college, Derlakkatta on 2<sup>nd</sup> July for routine health check-up. On 10<sup>th</sup> July he had flu like symptoms and again consulted there and his swab was taken and he was tested positive. He is also from Meenja area. His family contacts tested and all were negative. . In this Meenja Panchayath area 105 samples tested and 4 were positive and 101 were negative. All positives had travel history to Derlakkatta area which is a hospital hub having these major hospitals.

Inference: Probable source of infection: He might have got infection from the hospital at Derlakatta Mangalore where he had frequent visit.

KGD-OSP-28; 44/M PALLIKARA ,BEKAL FORT (PO) ,KASARAGOD

The person is working as a painter in Paliikkara . He visited Neuro hospital Mangalore on 12/7/20 for his mother's treatment. His COVID test was done on 17/07/2020 and was found positive. He was admitted at Yenopaya Medical College, Mangalore. He was discharged f on 26/7/20 and returned to Kerala on 28/7/20. All his 4 family members were found COVID negative. He gave history of travel to wife house in Uduma in a bus 2 days back before going to Mangalore. He suspects infection may be from this trip as he was utilizing public transport system and he says that he properly not washed his hands with sanitizer after travelling in bus. Pallikara area is coastal area and containment zone also. In July, 850 samples tested and 31 positive cases identified from that area. Out of these 18 were contact cases, 11 were travelers and 2 were health care workers.

Inference: Probable source of infection: The infection may be from Pallikara area which is a coastal area and detailed epidemiological investigation is needed for identifying exact source of infection.

KGD-OSP-34; 42/M Uduma ,Kasargod, Kerala

The person has been working in a US based shipping company since last one year. He went to Delhi on 18-7-20 from Uduma, Kasaragod. COVID test was done on 22-7-20 in Caringdx lab in New Delhi and found negative.

They advised repeat test on 24<sup>th</sup> July and it was also negative. Copy of results he shared with Medical officer. Now he is working in Delhi.

Inference: Probable source of infection: From Delhi only

KGD-OSP-37 46/F Nalatadukka, Kallakkatta (Po), Kasargod

The person was having dental problems and visited dental clinic in Kasaragod town from where malignancy was suspected and referred to Malabar Cancer Centre. She visited there in July first week and malignancy was ruled out. She consulted Yenopaya Medical College, Mangalore multiple times and RCT and dental surgical procedure was fixed. She visited Yenopaya Medical College for dental surgical procedure on 20-7-2020. COVID test was done on 21-7-20 and found positive. She underwent treatment from same college. On 31-7-2020 repeat test was done and found negative. Currently she is admitted at same hospital for surgery. All her family contacts were tested negative. She is from Chengala area where 1150 samples tested and 150 found positive. It includes a marriage cluster and she has no contact with anyone of this marriage cluster. As per Medical officer's opinion she has multiple hospital visits to Mangalore hospital and most probably she got infection from there as many positive cases including staffs were reported positive in this Medical College.

Inference: Probable source of infection: She has got infection from Mangalore hospital

KGD-OSP-43; 30/M- Pakkam, Kasaragod.

The person is working in Merchant Navy. Before leaving he had undergone Corona testing (RT-PCR) in Kasaragod on 22<sup>nd</sup> and the result was negative. So, he went to Delhi on 26-07-2020. COVID test was done in in Caringdx lab in New Delhi on 27-07-2020 prior to joining and found positive. He felt that proper precautions were not followed by staff in the lab and so he gave complaint regarding the testing. So, repeat test was done on 29/07/2020 and found negative. He returned home on 03-08-2020. He had no history of contact with any positive

cases and he was strictly following all COVID protocols. He was not having any symptoms and during testing the staff were not properly doing cleaning after each swab collection and the result of patient whose swab was collected on 27<sup>th</sup> was positive. So, he had given the complaint and his test was repeated  
Inference: Probable source of infection: Most probably he might be COVID negative.

## **Acknowledgement**

The Public Health division headed by Dr Meenakshy along with the State Surveillance Unit has done the detailed exercise of tracing back the people who were detected positive outside the state. The District Surveillance Units have done the field work and submitted the information. The epidemiological investigations of the cases suspected to have acquired infection in Kerala assisted the districts for planning the interventions in these areas.

We earnestly appreciate their works.

Dr Rajan Khobragade

Principal Secretary

Health and Family Welfare

Government of Kerala





Department of Health & Family Welfare

Government of Kerala

Annexe II , Secretariat

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