

# BMC Covid-19 Response War Room Dashboard

Aug 28, 2020



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# Mumbai COVID19 status at a glance

As of Aug 27, 2020

COVID19 Case Analysis		COVID19 Bed Management (As on 01:00 PM, Aug 28, 2020)		Contact Tracing	Past 24hrs	Cumulative	Others	
Total Positive	1,40,882	Bed Capacity	16,624	Total Traced	14,581	22,63,295	Senior Citizens Screened till date	8,94,438
Discharged	1,13,577	Occupied	8,169	High Risk	5,429	8,17,974	Senior Citizens with SPO2 > 95	8,91,334
Deaths	7,532	Available	8,455	Low Risk	9,152	14,45,321	Senior Citizens with SPO2 < 95	3,104
(Deaths with Age > 50yrs – 6,272)		DCH & DCHC Bed Capacity	13,328	Total Quarantine Completed		20,79,504	Active Containment Zones – Slums & Chawls	554
Total Active	19,460	Occupied	7,174	Currently in Home Quarantine		1,81,073	Released Containment Zones – Slums & Chawls	946
Stable – Asymptomatic	12,419	Available	6,154	Currently in Institutional Quarantine (CCC1)		2,718	Active Sealed Buildings	5,662
Stable - Symptomatic	5,952	CCC2 Facility (Activated Capacity)	3,296	Total CCC1 Facilities		332	Released Sealed Buildings	20,864
Critical	1,089	Occupied	995	Total Capacity(Beds)		48,588	Calls Centre Calls Flow	2,45,863
Tests Done (till date)	7,43,885	Available	2,301	Current Occupancy		2,718		
% of Positive (till date)	18.93	ICU Bed Capacity	1,432	Cumulative Occupancy		1,47,129		
		Occupied	1,208	Total CCC2 Facilities		173		
		Available	224	Total Capacity (Beds)		23,437		
		O2 Bed Capacity	8,701	Active Facilities		63		
		Occupied	4,472	Active Capacity(Beds)		3,296		
		Available	4,229	Current Occupancy		995		
		Ventilator Bed Capacity	940	Cumulative Occupancy		34,473		
		Occupied	806					
		Available	134					

## Ward wise positive cases

Wards	RC	RS	RN	A	HW	PS	C	D	KW	MW	T	PN	FN	E	FS	ME	B	N	S	HE	KE	GS	GN	L	Overall Mumbai
Positive Cases	7846	6913	3736	3500	3970	4744	1978	5956	7884	4152	6036	8365	5401	5531	6465	4806	1219	7114	7518	4726	8546	5980	8096	5929	
Days to double	46	52	55	59	61	61	71	72	73	89	89	93	100	101	110	111	114	115	119	122	126	128	133	143	86

1 Ward-wise break up is as on Aug 27, 2020, available for 1,36,411 cases

Data subject to change after scrutiny and ongoing verification process



## Key Trends

Contact tracing and home quarantine

Status of COVID19 Positive Cases

Bed Capacity

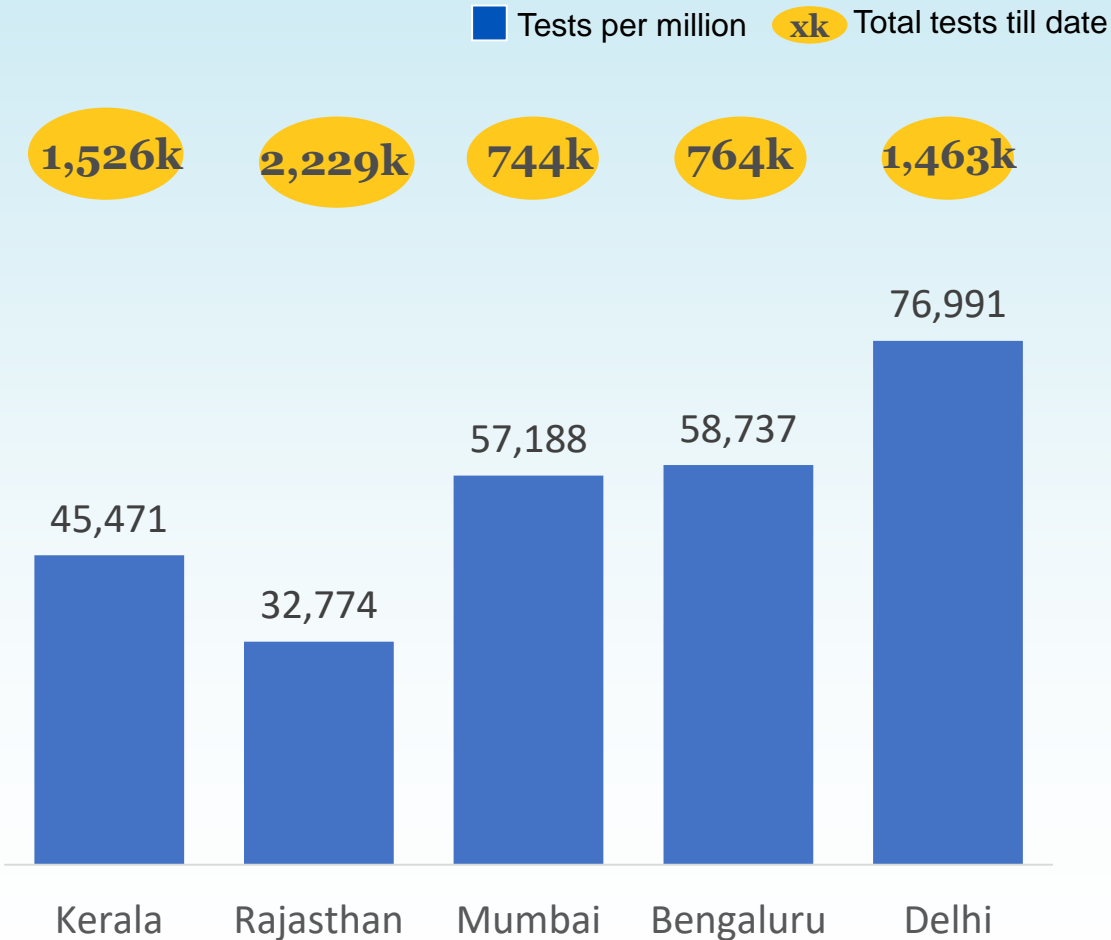
Other initiatives



# Tests/ million data for COVID-19

For all tests conducted from Feb 3, 2020 to Aug 27, 2020

## Tests per million



Source: Government COVID bulletins as of Aug 27 2020

\* Data as of Aug 25 2020

## Mumbai is one of the leading cities in tests per million compared to other cities

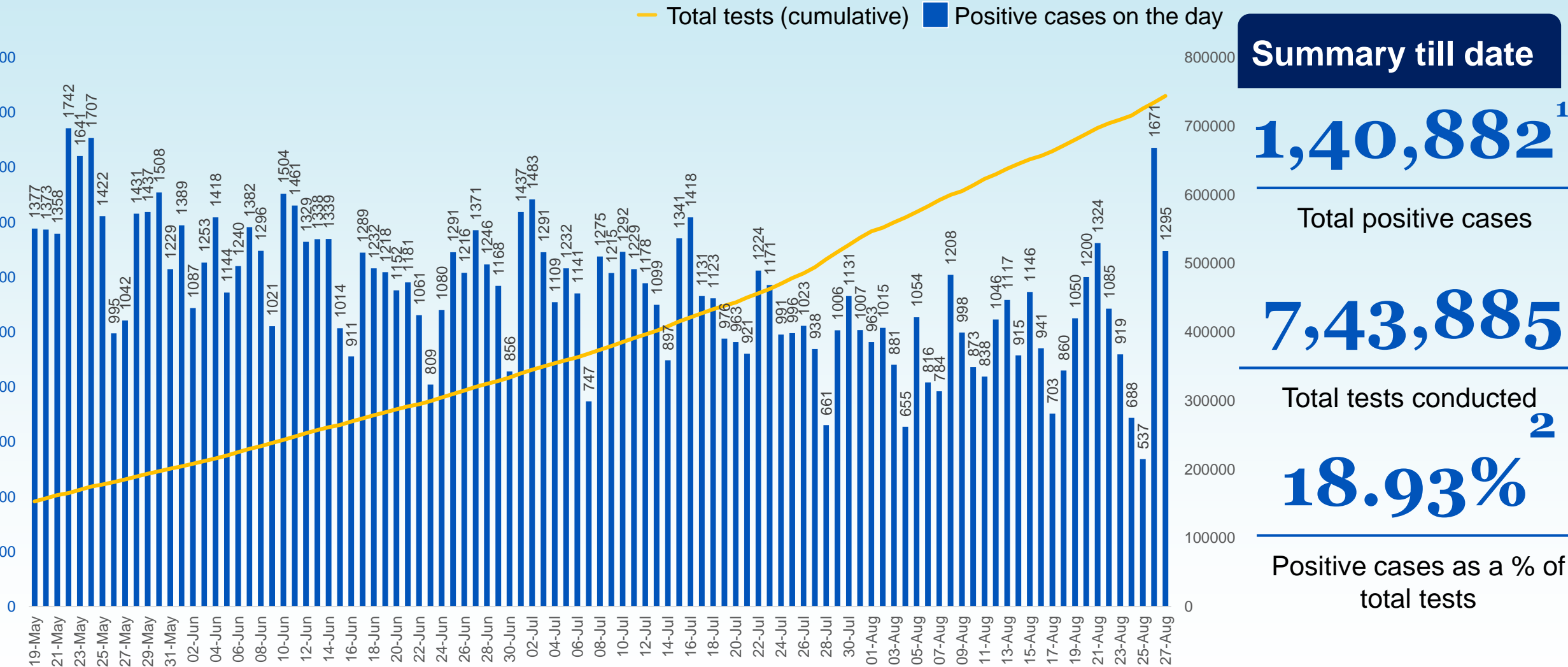
State	Cases	Tests	Tests per million
Bengaluru	118,728	763,581	58,737
Mumbai	140,882	743,885	57,188
Delhi*	164,071	1,462,829	76,991
West Bengal	150,772	1,716,607	19,026
Gujarat	91,179	2,044,581	32,977
Kerala	66,761	1,525,792	45,471
Maharashtra	733,568	3,939,761	31,886
Rajasthan	76,572	2,228,662	32,774
Tamil Nadu	403,242	4,498,706	134,741





# Trend of positive cases vis-à-vis total tests

Based on date of reporting, from Feb 03, 2020 to Aug 27, 2020



1 Total Positive cases as on Aug 27, Total cases as of Aug 27 as per line list is 1,36,411

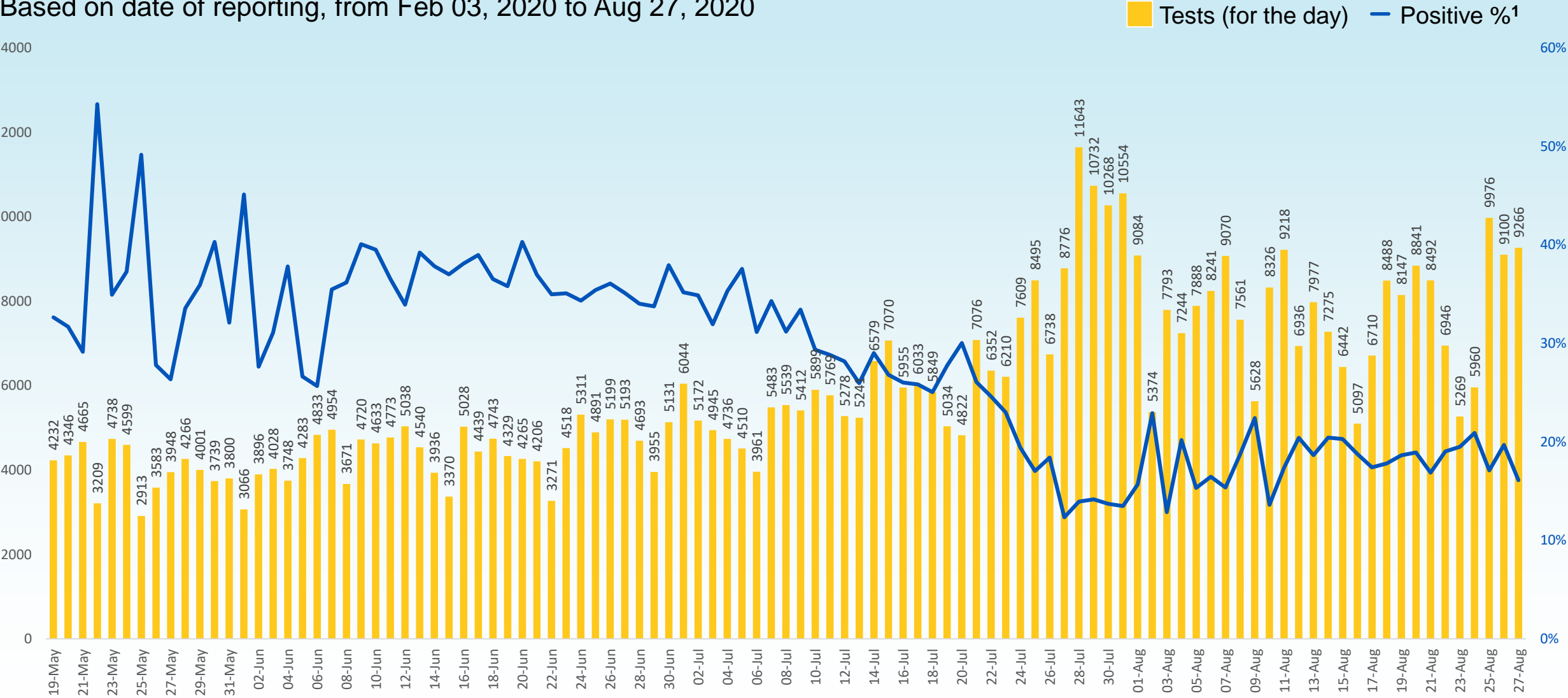
2 Total Positive cases (as per press release) as a % of total tests conducted

Source: Covid-19 daily update by the Public Health Department, BMC

Data subject to change after scrutiny and ongoing verification process

# Trend of positive cases vis-à-vis total tests

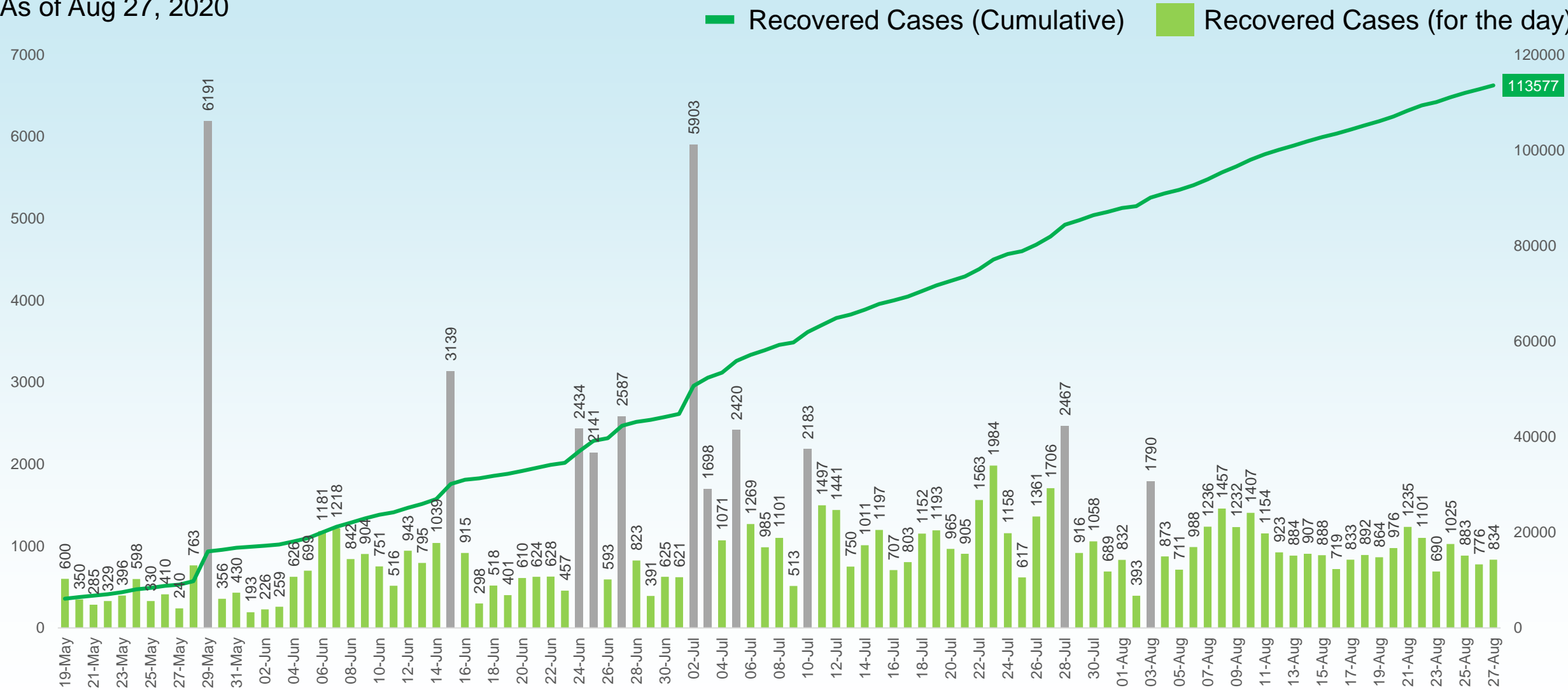
Based on date of reporting, from Feb 03, 2020 to Aug 27, 2020



¹Positive samples for the day as a % of total tests for the day;  
 Positive Samples include duplicates with ICMR (~11%) and Out of Mumbai Cases (4%)  
 Source: Covid-19 daily update by the Public Health Department, BMC

# Trend of Recovered Cases

As of Aug 27, 2020

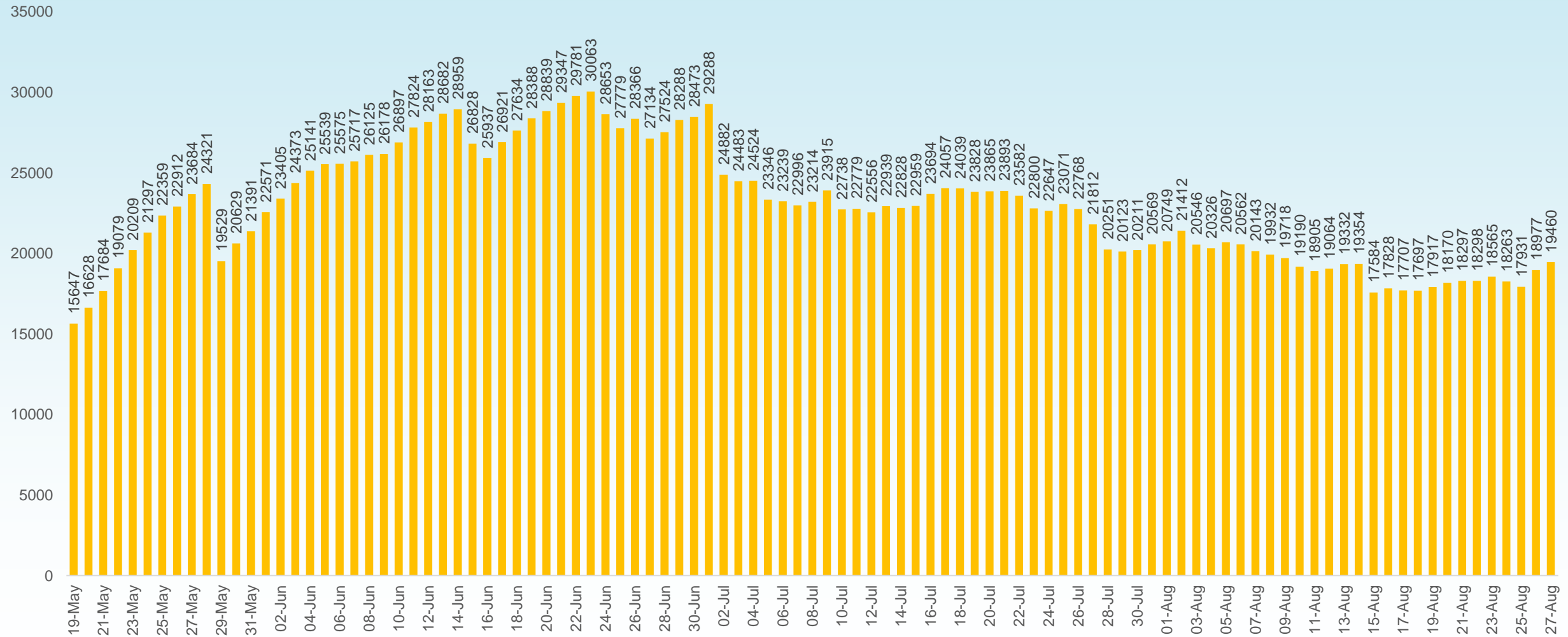


<sup>1</sup>Spikes refer to reconciliation and updation for previous days

# Trend of Active Cases

As of Aug 27, 2020

Active Cases (Cumulative)

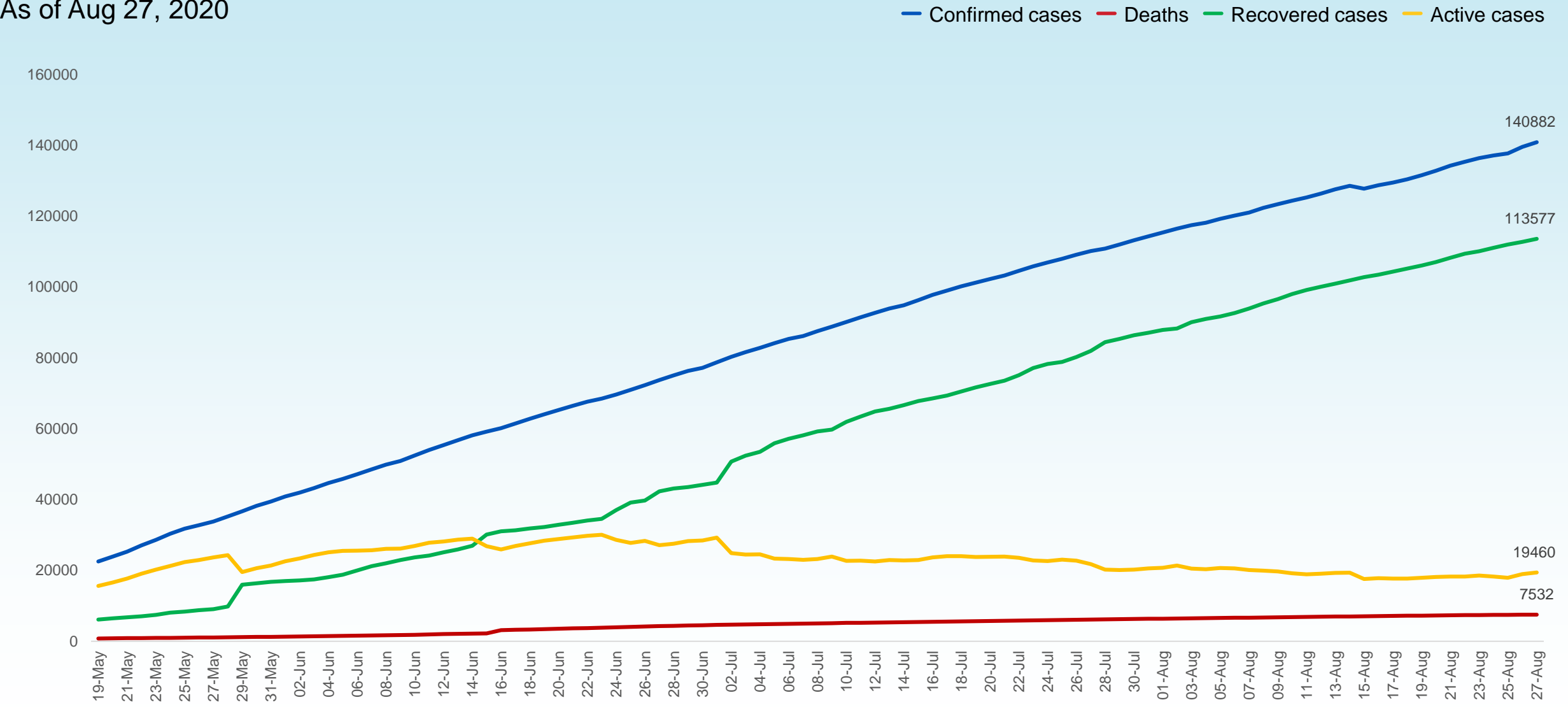






# Case summary for Mumbai

As of Aug 27, 2020





## Key Trends

**Contact tracing and home quarantine**

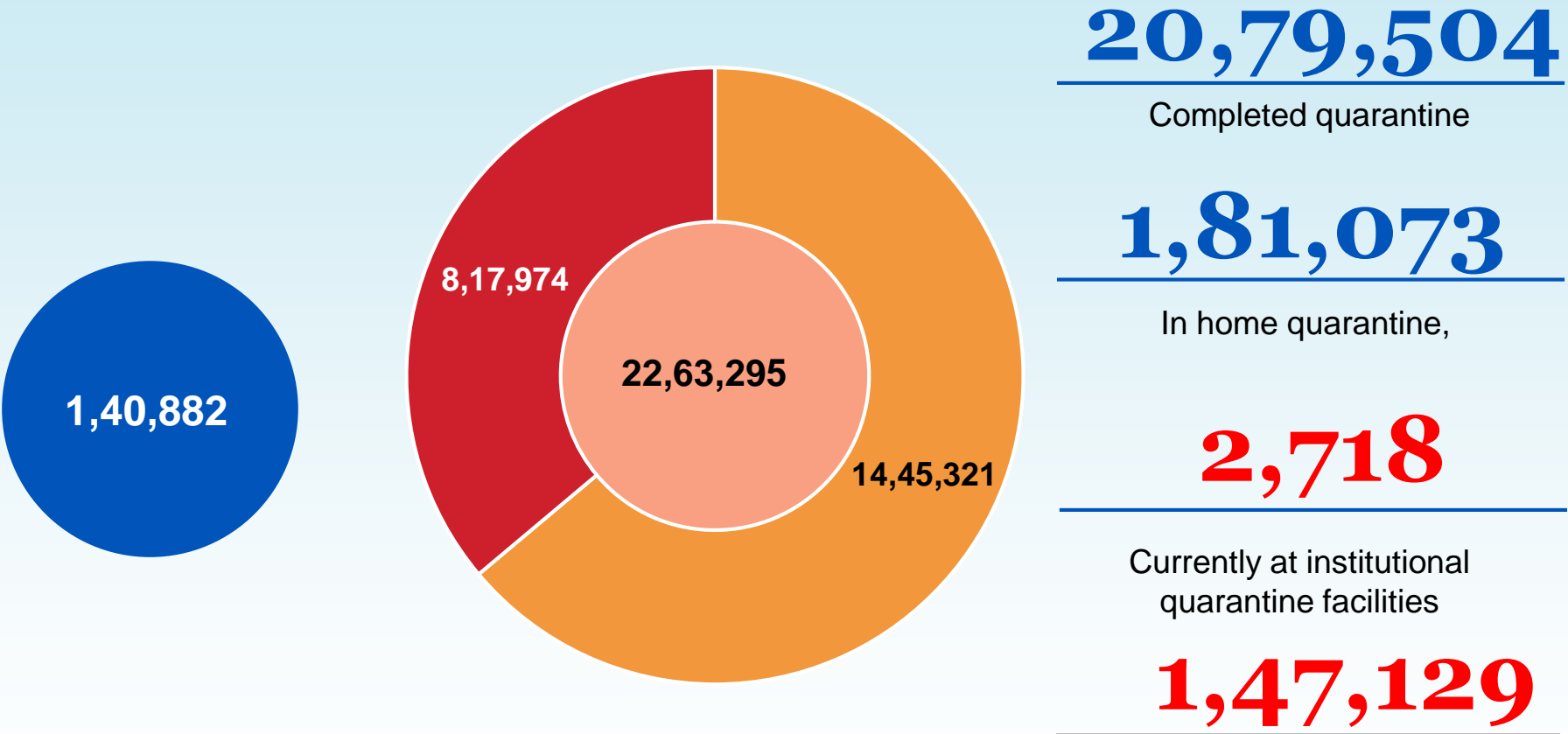
Status of COVID19 Positive Cases

Bed Capacity

Other initiatives

# Update on contact tracing

Summary as of Aug 27, 2020

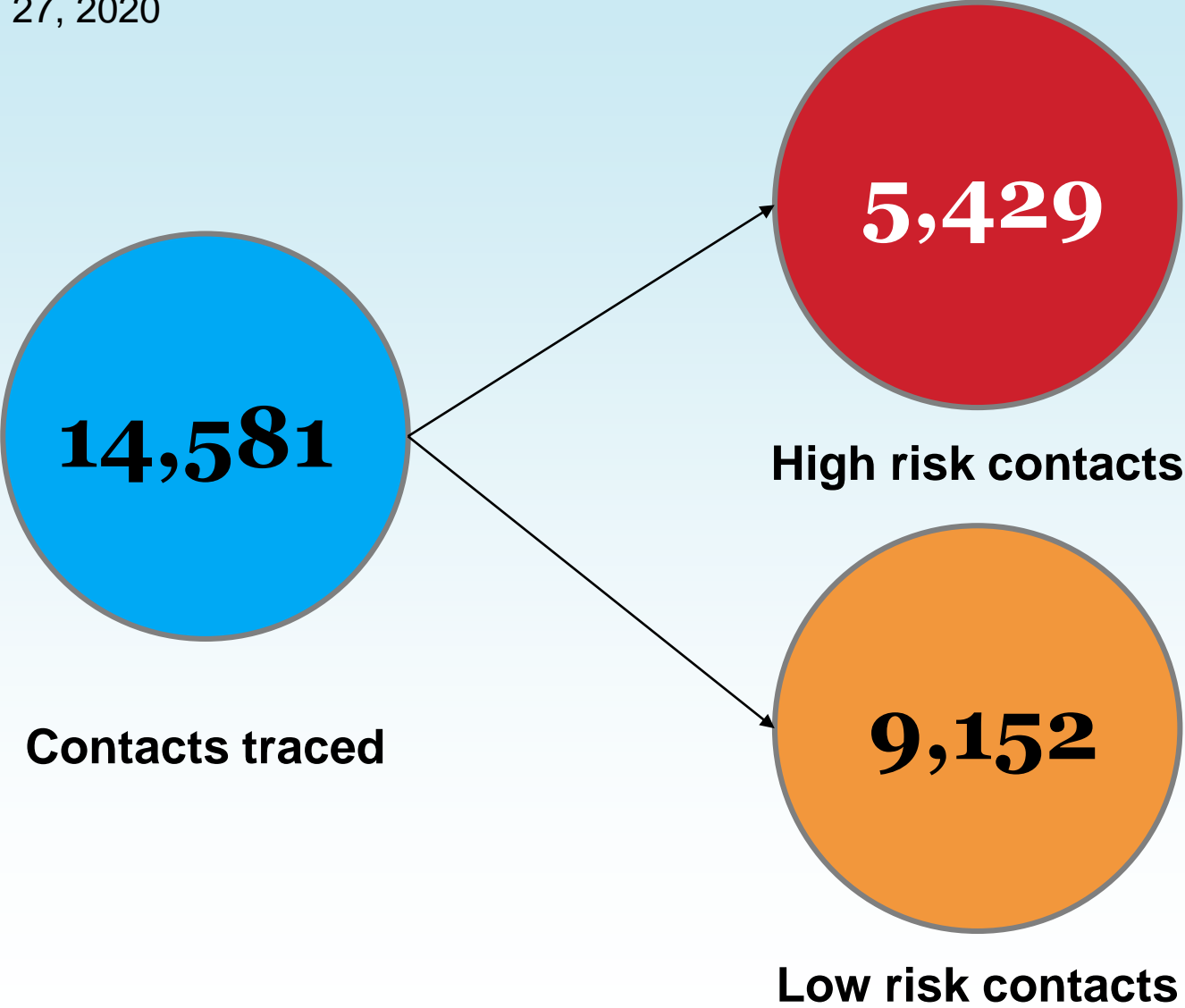


■ Positive patients      **Positive patients**  
■ Total contacts traced  
■ High risk   ■ Low risk

Source: Quarantine numbers from BMC Contact Tracing Report as on Aug 27, 2020; shift to Institutional facilities from "CCC1 and CCC2 Facilities"

# Contact tracing report for last 24 hours

Summary as of Aug 27, 2020



Source: Quarantine numbers from BMC Contact Tracing Report as on Aug 27 2020; shift to Institutional facilities from "CCC1 and CCC2 Facilities"

Data subject to change after scrutiny and ongoing verification process



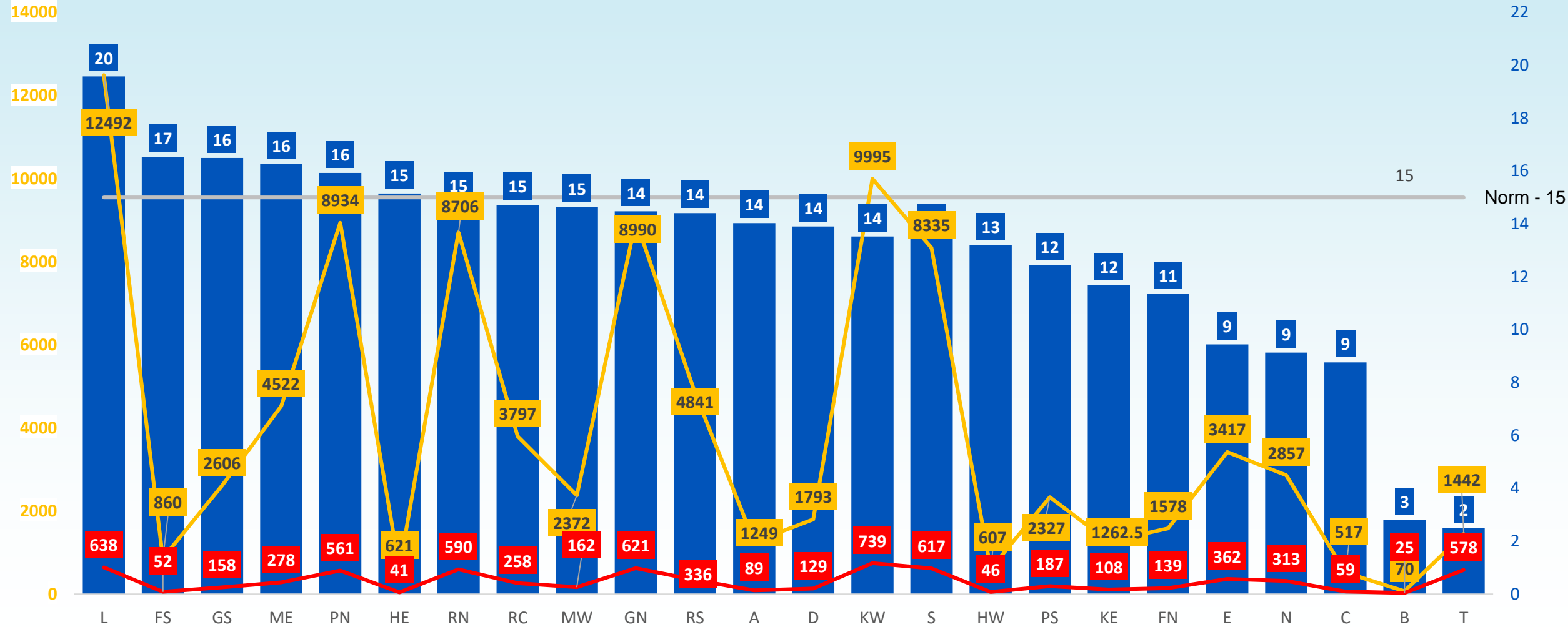
# Chase the virus: High Risk Contacts for Index Cases in Slums

As of Aug 27, 2020<sup>1</sup>

Positive cases from slums (Not being high risk contacts of earlier cases)<sup>(1)</sup>  
Total – 7,086\*

No of high risk contacts sent to institutional facilities  
Total – 94,191\*

No of high risk contacts **per positive cases** in (1) sent to institutional facilities  
Total Ratio - 13



\* Data for Ward ME is updated as of Aug 26

1 Data since June 03, 2020; Source – Operation – Chase the virus

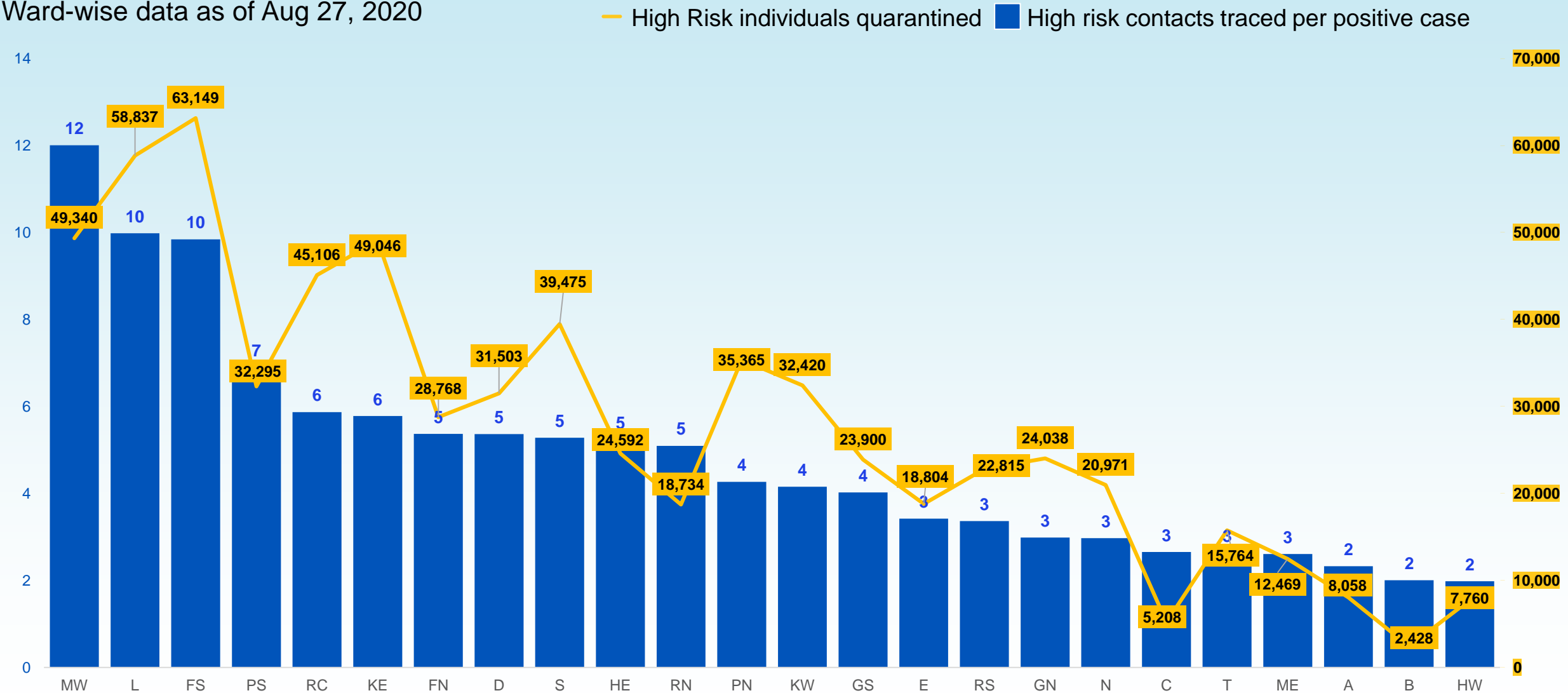
Data subject to change after scrutiny and ongoing verification process

13

# Ward-wise bifurcation of high-risk individuals quarantined (Home and Institutional)



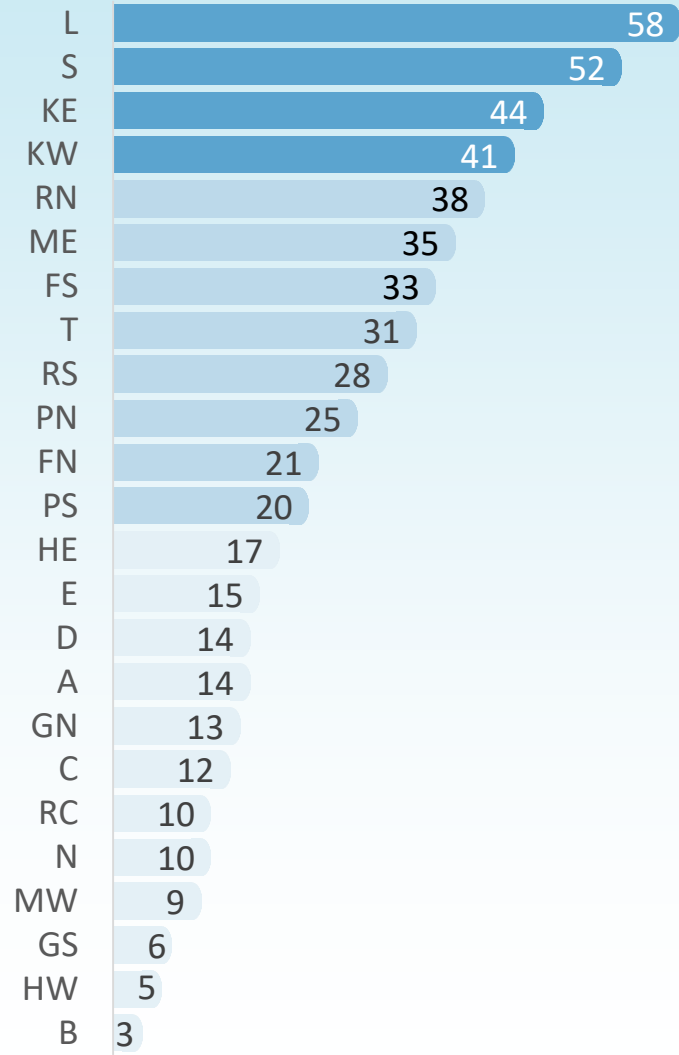
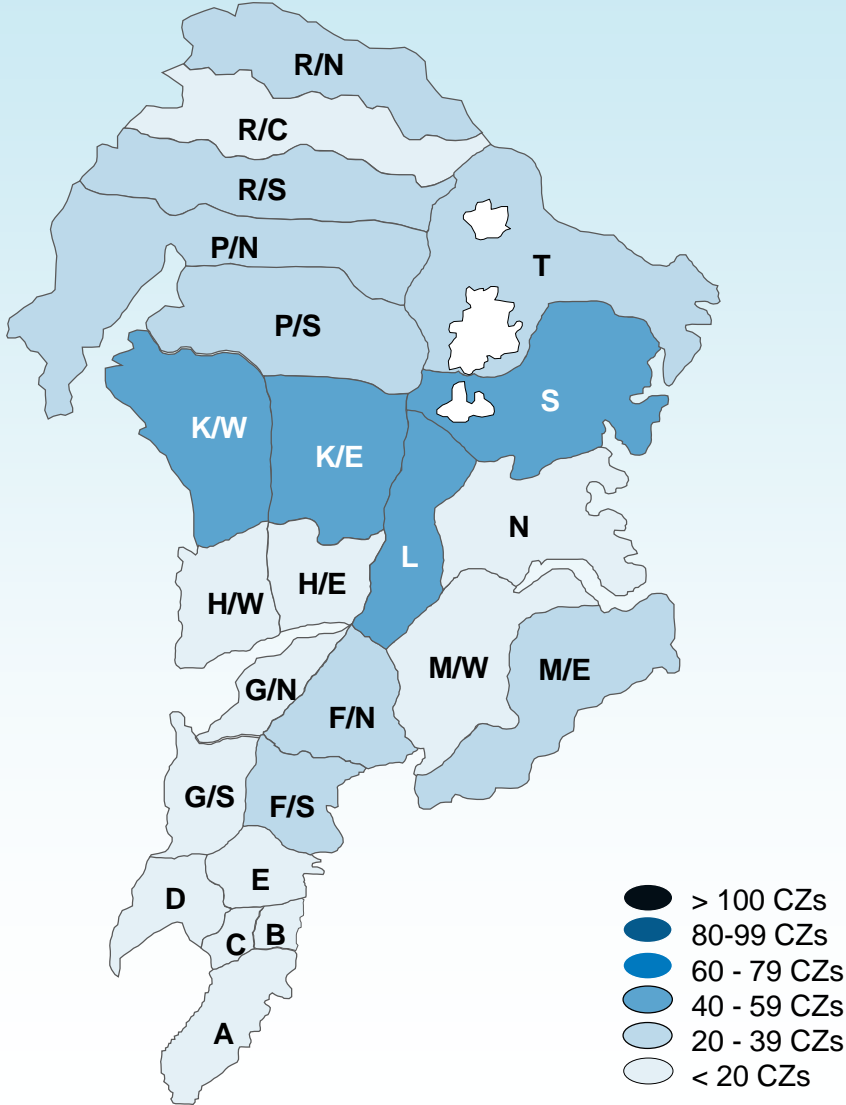
Ward-wise data as of Aug 27, 2020





# Ward-wise containment zones – slums and chawls

As of Aug 27, 2020



**554** *Active*  
 Containment Zones

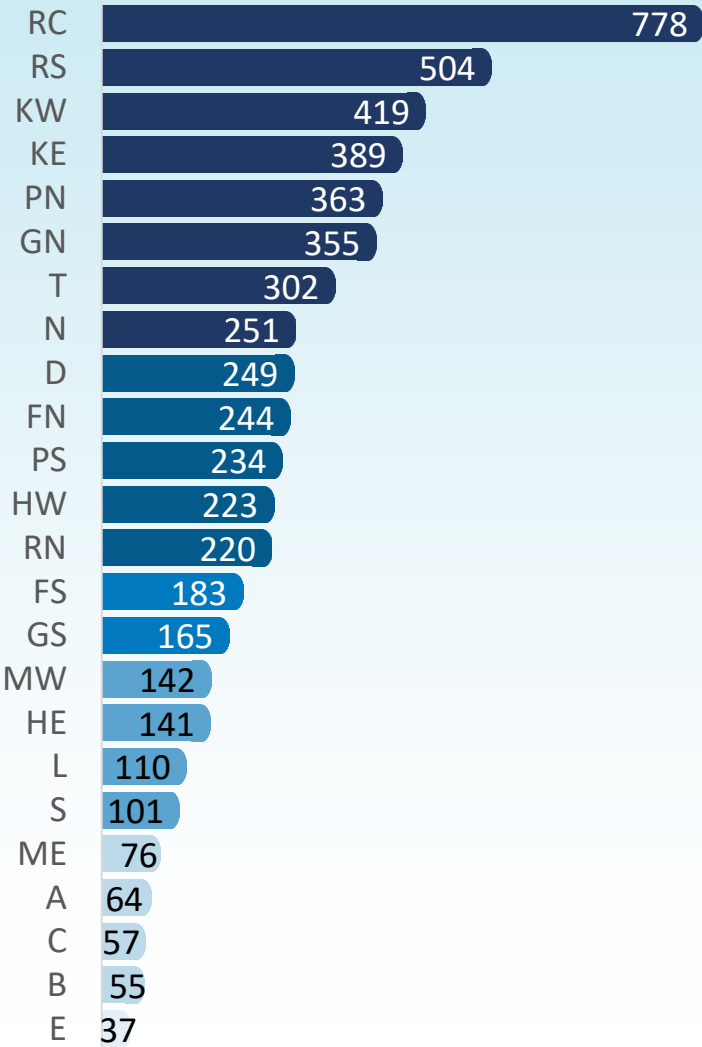
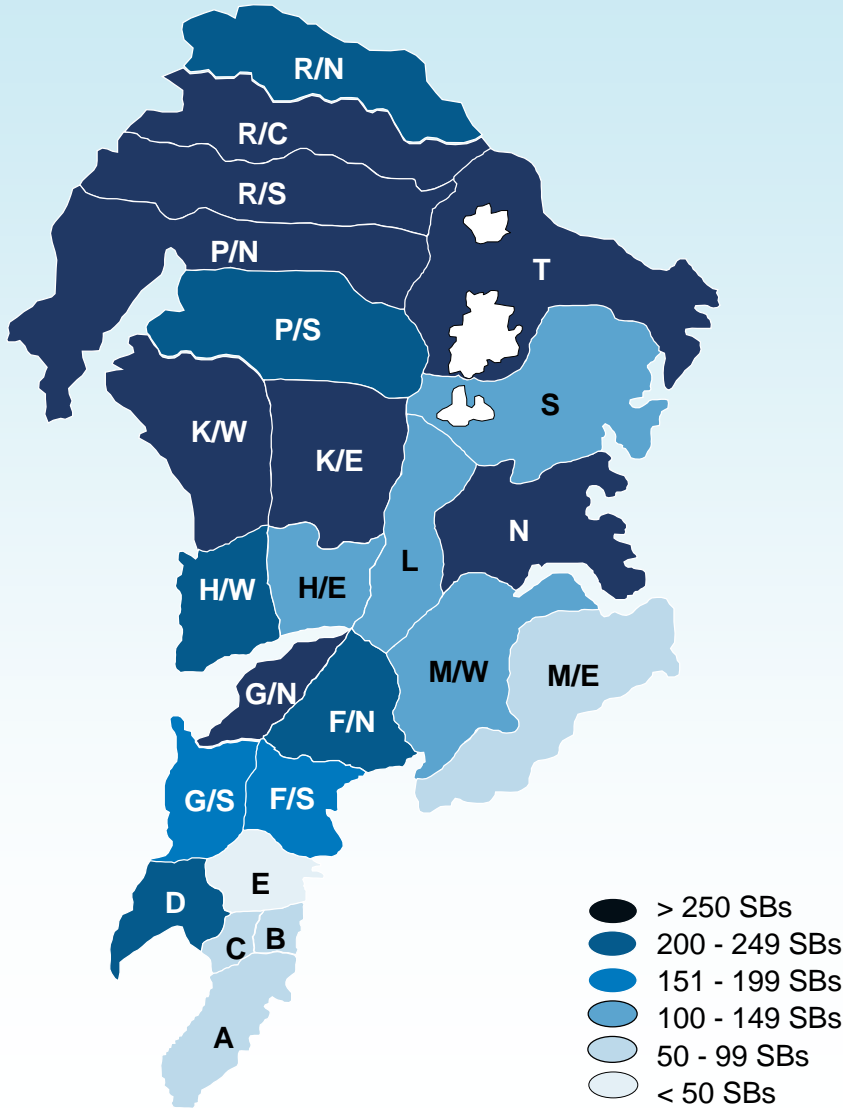
**8.5** *lacs*  
 No. of Households

**37.4** *lacs*  
 Population

**946** *Released*  
 Containment Zones

# Ward-wise sealed buildings

As of Aug 27, 2020



**5,662**
*Active*

Sealed Buildings

**2.1**
*lacs*

No. of Households

**7.9**
*lacs*

Population

**20,864**
*Released*

Sealed Buildings



Key Trends

Contact tracing and home quarantine

**Status of COVID19 Positive Cases**

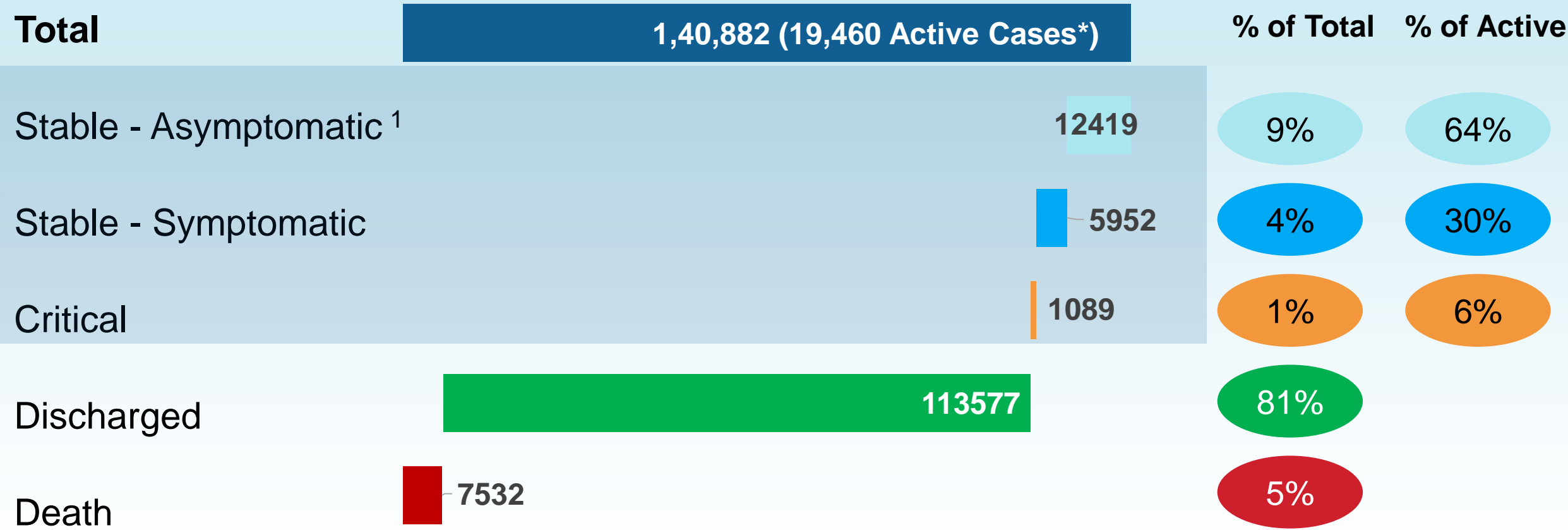
Bed Capacity

Other initiatives



# Case summary for Mumbai

As of Aug 27, 2020



*\*Deaths due to other reasons have also been deducted from the Total Active Cases*

1 As per NCDC ICMR Report, Hospitalized status report (after deducting critical patients) has been considered as Symptomatic; Home Isolation and CCC2 has been considered as Asymptomatic; Difference between the total cases and the above classifications (6,517 cases) has been added to "Stable – Asymptomatic" cases

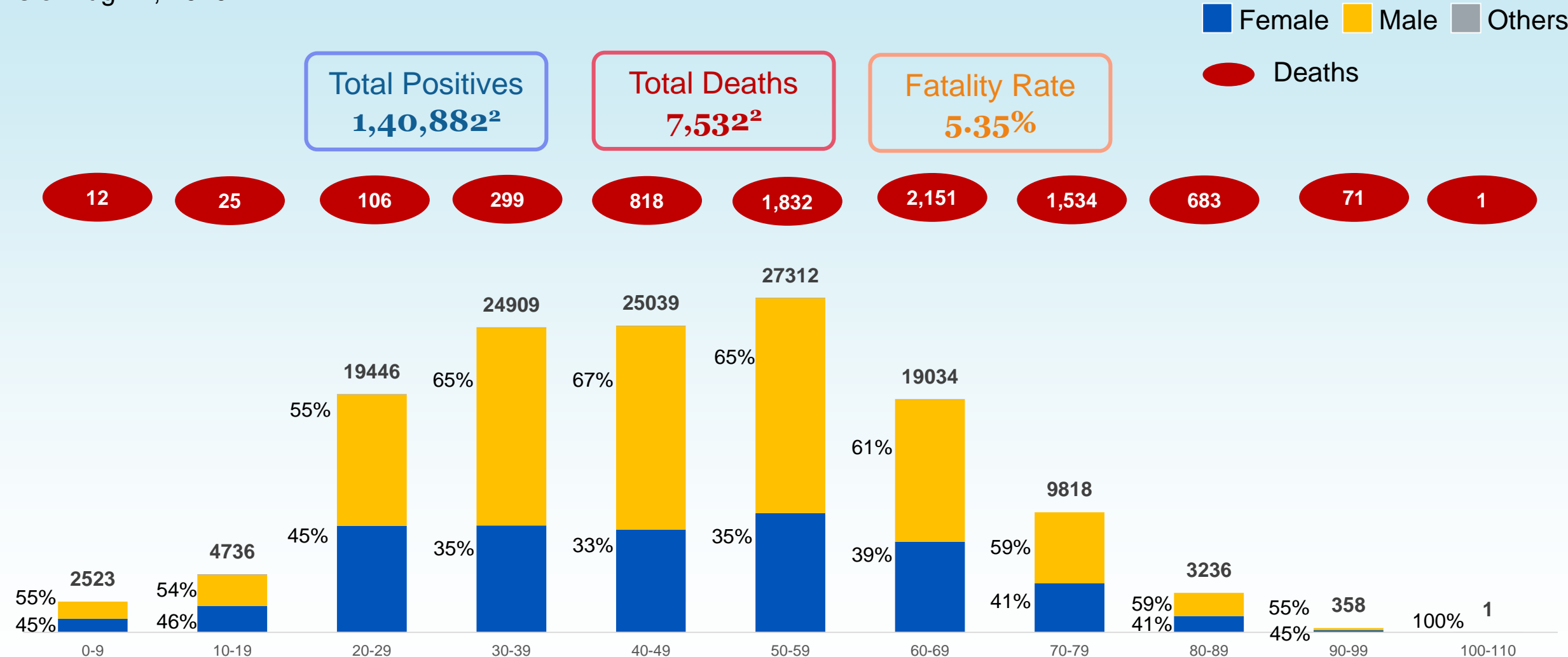
Source: Covid-19 daily update by the DEHO, EPID Cell for total cases, discharges, deaths; "At a glance isolation facility report" for critical

Data subject to change after scrutiny and ongoing verification process



# Age and sex-wise profile of COVID-19 positive patients

As of Aug 27, 2020<sup>1</sup>



Source: Covid-19 daily update by the DEHO, EPID Cell

1 Total Age and sex-wise break up is available 1,36,412 cases; age-wise breakup of deaths available for 7,532 cases

2 As on Aug 27

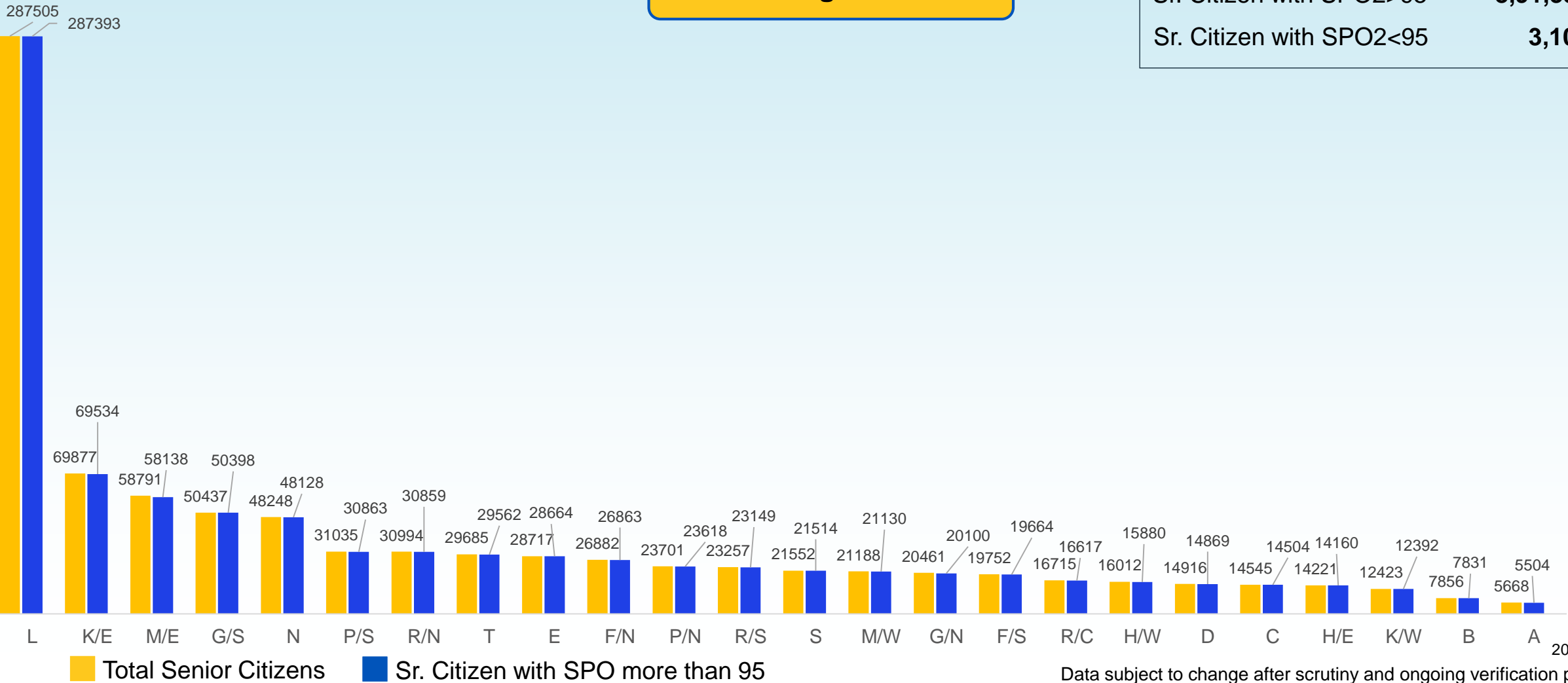


# Proactive screening of elderly to protect them and contain mortality

Ward-wise data(progressive) till Aug 27, 2020

**99.6% of Senior Citizens are having SPO2>95**

Population Screened till date	1,70,98,311
Total Senior Citizens till date	8,94,438
Sr. Citizen with SPO2>95	8,91,334
Sr. Citizen with SPO2<95	3,104





# Proactive screening of elderly to protect them and contain mortality

Ward-wise data for Aug 27, 2020

Wards	Total No. of Houses Surveyed	Population Covered	Total No. of Senior Citizens	Sr Citizen SPO2>95	* Sr Citizen SPO2<95
<b>Total (Daily)</b>	<b>39,078</b>	<b>153,707</b>	<b>6,591</b>	<b>6,591</b>	<b>0</b>
A	382	1,379	8	8	0
B	314	1,620	50	50	0
C	640	2,611	44	44	0
D	407	1,763	130	130	0
E	1,292	4,989	191	191	0
F/S	1,153	5,222	219	219	0
F/N	722	3,093	289	289	0
G/S	3,131	12,385	314	314	0
G/N	0	0	0	0	0
H/E	846	3,317	75	75	0
H/W	647	2,335	126	126	0
K/E	2,741	10,071	450	450	0
K/W	767	2,527	100	100	0
P/S	1,448	5,946	162	162	0
P/N	2,112	9,082	189	189	0
R/S	3,798	14,537	165	165	0
R/C	1,013	3,726	105	105	0
R/N	5,547	21,558	281	281	0
L	4,953	21,377	1,542	1,542	0
M/E	797	3,217	235	235	0
M/W	1,062	3,343	197	197	0
N	3,151	11,702	1,350	1,350	0
S	1,687	6,609	164	164	0
T	468	1,298	205	205	0

Summary till date

**1,70,98,311**

Total Population covered till date

**8,94,438**

Senior Citizens covered till date

**8,91,334**

Senior Citizens with SPO2>95  
till date

**3,104**

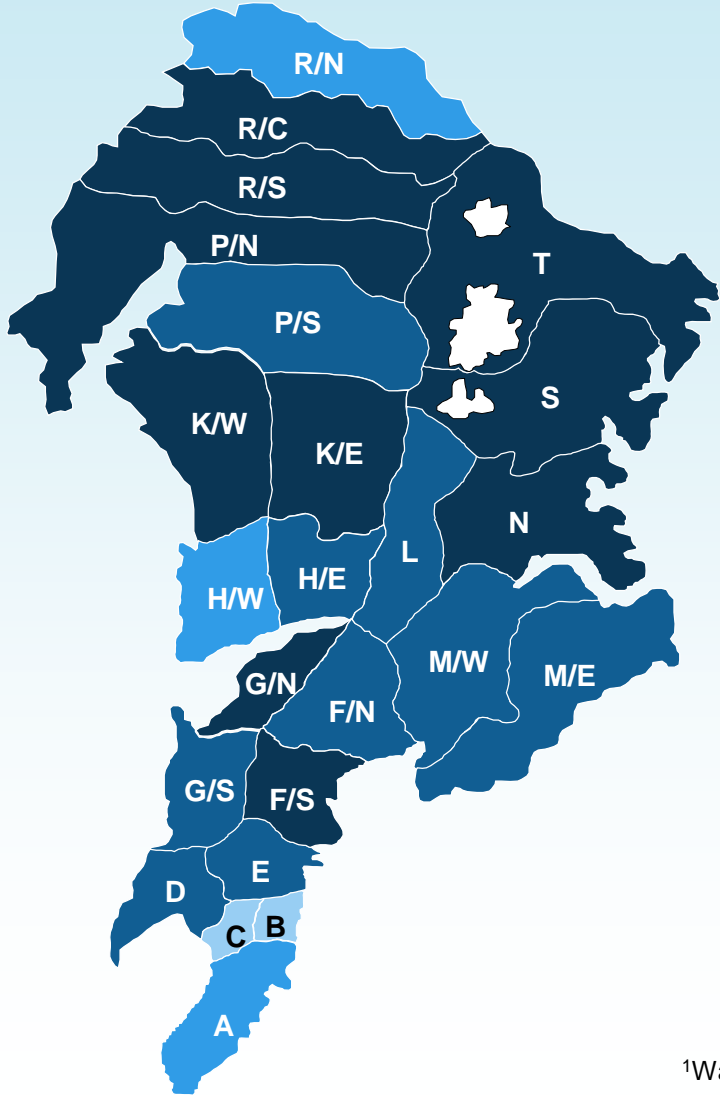
Senior Citizens with SPO2<95  
till date

\* Due to Data reconciliation, total population number is reduced.; Total population covers individuals screened multiple times

Data subject to change after scrutiny and ongoing verification process

# Ward-wise breakdown of positive cases

As of Aug 27, 2020



KE	8546
PN	8365
GN	8096
KW	7884
RC	7846
S	7518
N	7114
RS	6913
FS	6465
T	6036
GS	5980
D	5956
L	5929
E	5531
FN	5401
ME	4806
PS	4744
HE	4726
MW	4152
HW	3970
RN	3736
A	3500
C	1978
B	1219

7242	525	779
7256	358	751
6711	492	893
6510	318	1056
6040	270	1536
6259	466	793
6011	405	698
5536	219	1158
5450	361	654
5064	168	804
5064	405	511
4847	237	872
4919	450	560
4530	294	707
4488	305	608
3908	314	584
3803	240	701
3855	353	518
3390	294	468
3170	193	607
2888	151	697
2901	72	527
1649	103	226
997	91	131
112488	7084	16839

- >6000 cases
- 4001- 6000 cases
- 2001 – 4000 cases
- 0 – 2000 cases
- Discharged<sup>2</sup>
- Deaths<sup>3</sup>
- Active

**Total Positives**  
**1,40,882<sup>1</sup>**

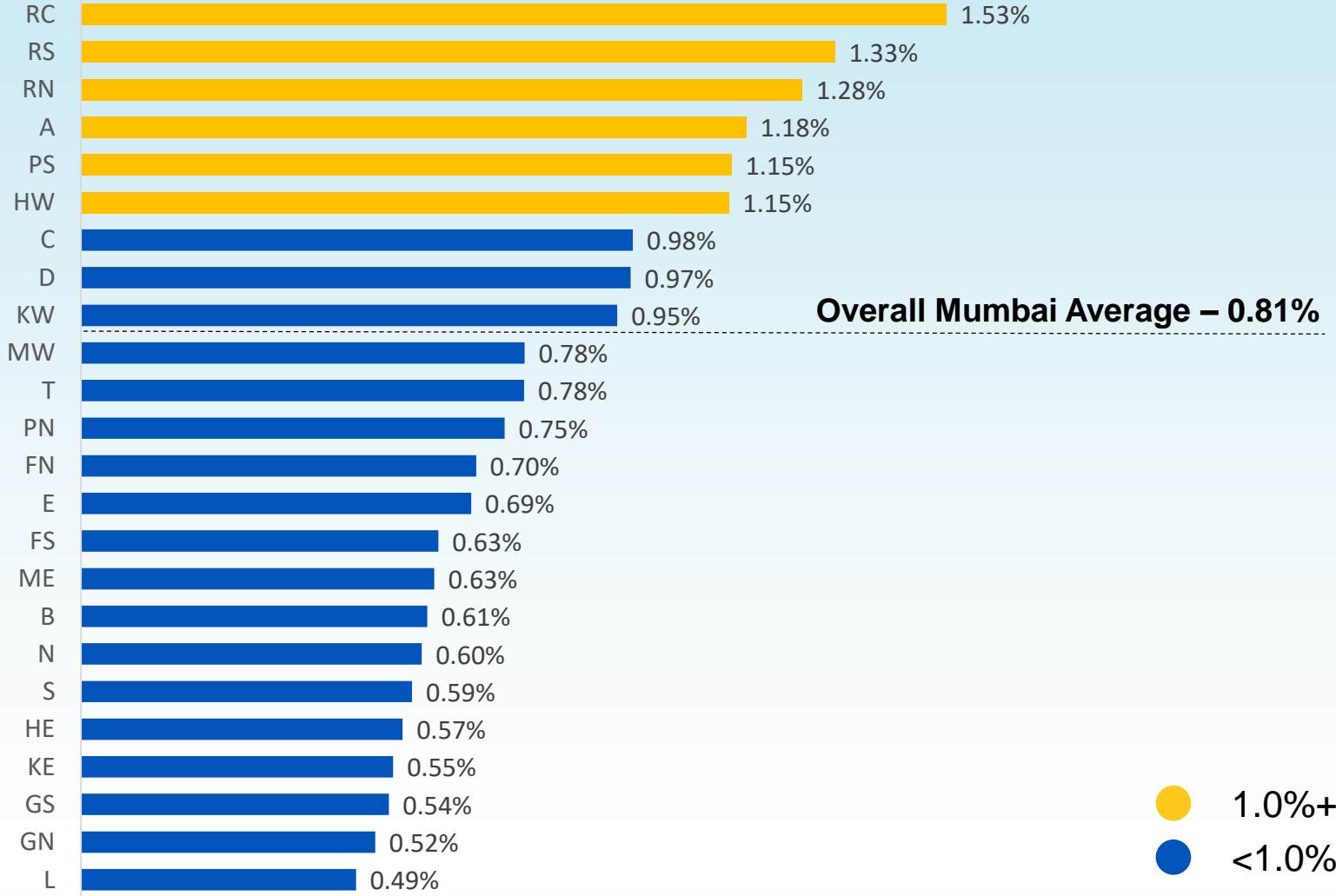
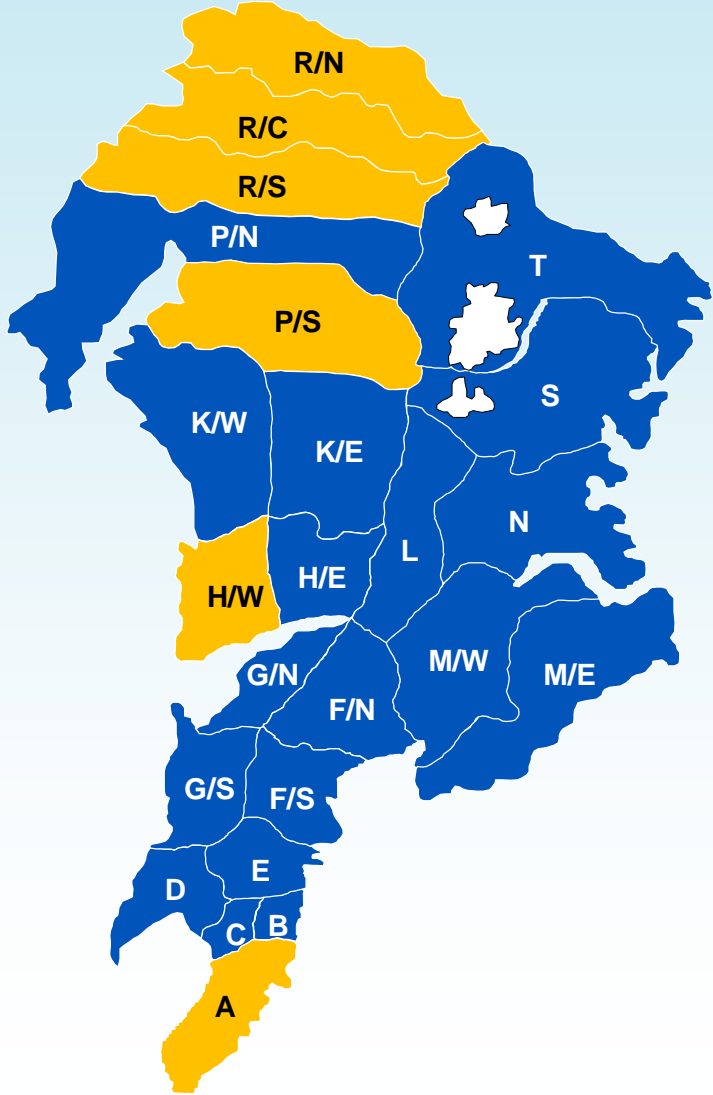
**Total Active**  
**16,839<sup>1</sup>**

Active = Positive – Discharges – Death

<sup>1</sup>Ward-wise breakup is available for 1,36,411 cases (16,839 Active), Total  
<sup>2</sup>Discharges as on Aug 27, Available for 1,12,488 cases,  
<sup>3</sup>Deaths as on Aug 27, Available for 7,084 cases  
 Ward wise reconciliation for Discharged, Deaths and Active is on going <sup>22</sup>  
 Data subject to change after scrutiny and ongoing verification process

# Ward-wise growth rate of new cases

Average of growth rate for the last 7 days till Aug 27, 2020



# Ward-wise new cases

Positive cases for the last 7 days till Aug 27, 2020<sup>1</sup>

Date of report	RC	RS	RN	A	HW	PS	C	D	KW	MW	T	PN	FN	E	FS	ME	B	N	S	HE	KE	GS	GN	L	Grand Total
Area>>>	Borivali	Kandivali	Dahisar	Colaba	Bandra	Goregaon	Marine Lines	Grant Road	Andheri W	Chembur W	Mulund	Malad	Matunga	Byculla	Parel	Chembur E	Sandhurst Road	Ghatkopar	Bhandup	Khar	Andheri E	Elphinstone	Dadar	Kurla	
As on 20th Aug	7055	6301	3419	3225	3666	4379	1848	5566	7380	3931	5715	7939	5144	5271	6186	4601	1168	6821	7217	4542	8223	5757	7807	5731	128892
21-Aug	147	102	54	45	54	77	27	56	96	40	52	80	50	54	34	32	10	33	57	45	73	24	47	35	1324
22-Aug	129	70	51	52	32	51	17	49	63	46	45	61	28	40	42	24	12	31	57	20	45	42	41	37	1085
23-Aug	77	59	24	43	50	50	25	45	35	24	53	64	49	30	42	20	5	37	40	29	29	30	31	28	919
24-Aug	61	62	21	17	18	34	13	32	70	13	30	35	24	25	24	30	7	35	12	13	35	29	33	15	688
25-Aug	38	60	25	11	14	23	9	40	29	14	31	30	18	20	27	16	4	22	25	21	15	11	17	17	537
26-Aug	178	129	83	70	82	73	23	86	131	43	74	79	47	57	63	59	6	76	67	30	67	44	72	32	1671
27-Aug	161	130	59	37	54	57	16	82	80	41	36	77	41	34	47	24	7	59	43	26	59	43	48	34	1295
As on 27th Aug	7846	6913	3736	3500	3970	4744	1978	5956	7884	4152	6036	8365	5401	5531	6465	4806	1219	7114	7518	4726	8546	5980	8096	5929	136411
Days to double	46	52	55	59	61	61	71	72	73	89	89	93	100	101	110	111	114	115	119	122	126	128	133	143	86

**Wards <= 65 days to double**

- Ward RC
- Ward RS
- Ward RN
- Ward A

- Ward HW
- Ward PS

Exponential Method is used to calculate the Days to Double.  
 1 The data presented in the table is as per the latest positive line list received for Aug 27, 2020. This line list reflects updates to the cases for prior dates as well. Source: Covid-19 daily update by the DEHO, EPID Cell



Key Trends

Contact tracing and home quarantine

Status of COVID19 Positive Cases

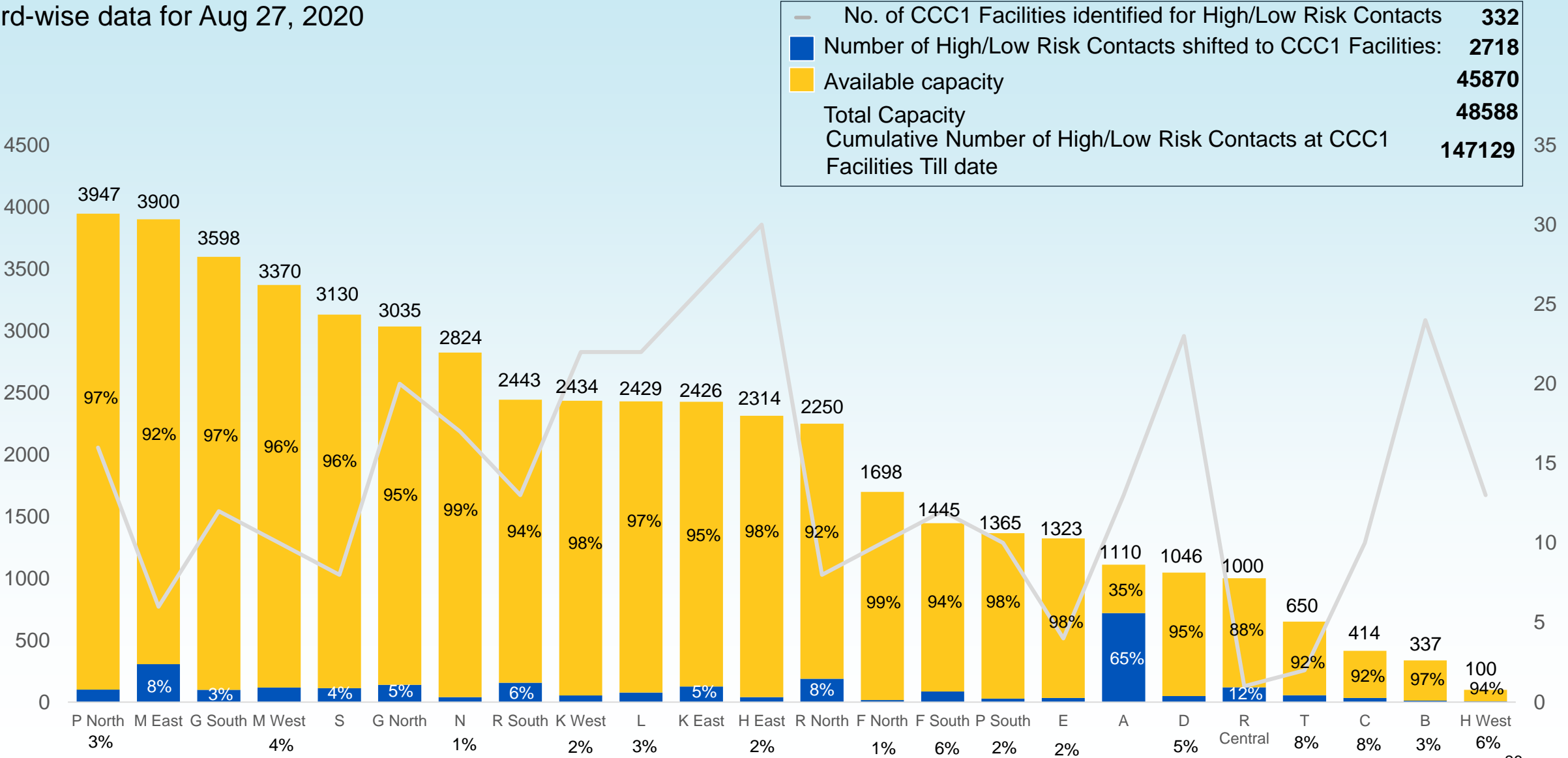
**Bed Capacity**

Other initiatives



# Ward-wise bifurcation of CCC1 facilities

Ward-wise data for Aug 27, 2020



Source: CCC1 and CCC2 facilities excel maintained by war-room coordinators

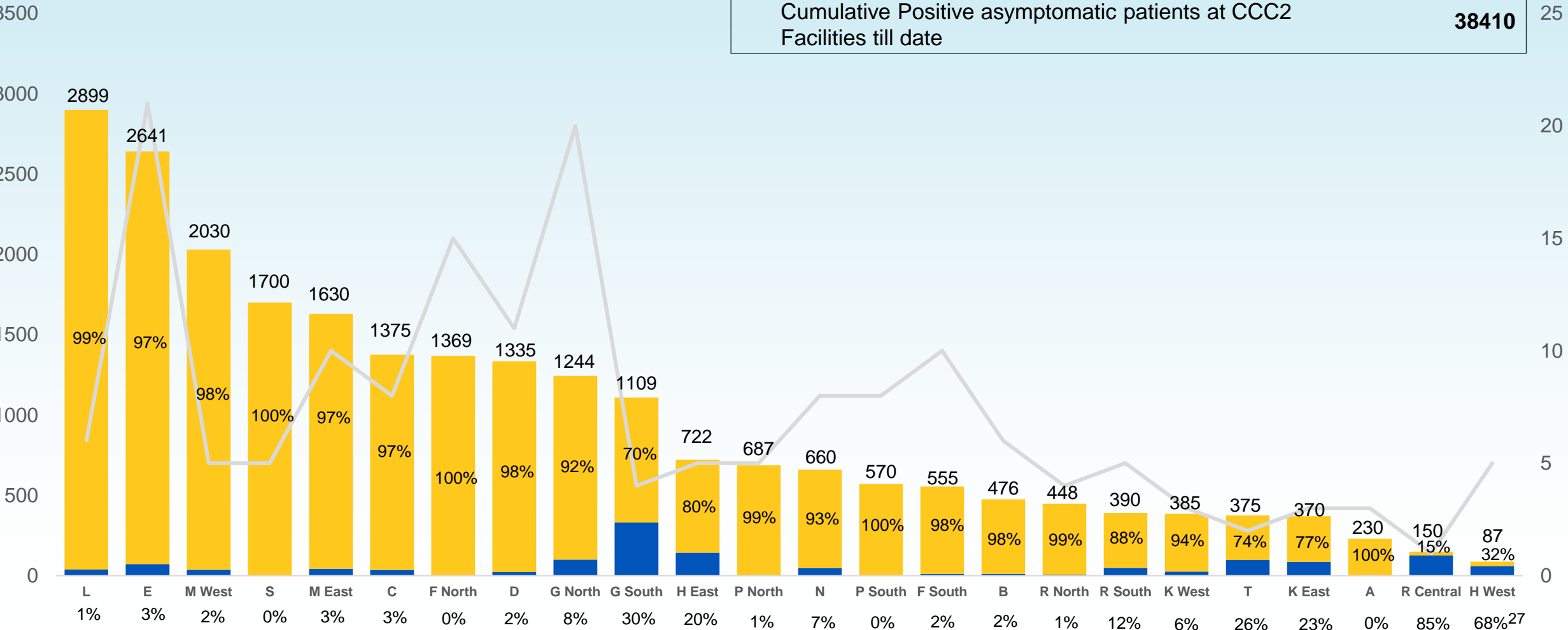




# Ward-wise bifurcation of CCC2 facilities

Ward-wise data for Aug 27, 2020

No. of CCC2 Facilities Identified for Positive Asymptomatic Patients	173
Number of positive asymptomatic patients shifted to CCC2 Facilities	1345
Available capacity	22092
Total Capacity	23437
Cumulative Positive asymptomatic patients at CCC2 Facilities till date	38410



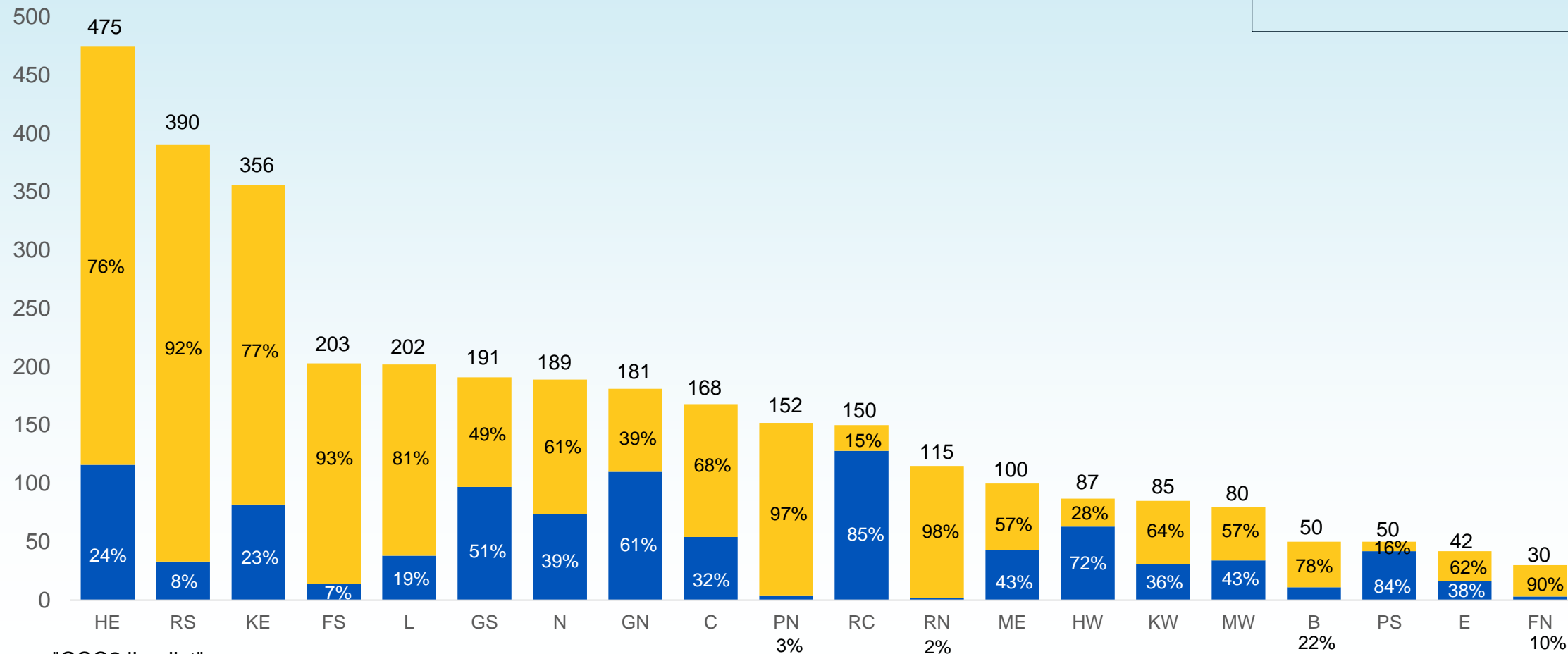
Source: CCC1 and CCC2 facilities excel maintained by war-room coordinators



# Ward-wise bifurcation of CCC2 ACTIVE facilities

Ward-wise data for Aug 27, 2020

Beds occupied	995
Available capacity	2301
Total capacity	3296
Cumulative patients till date	34473

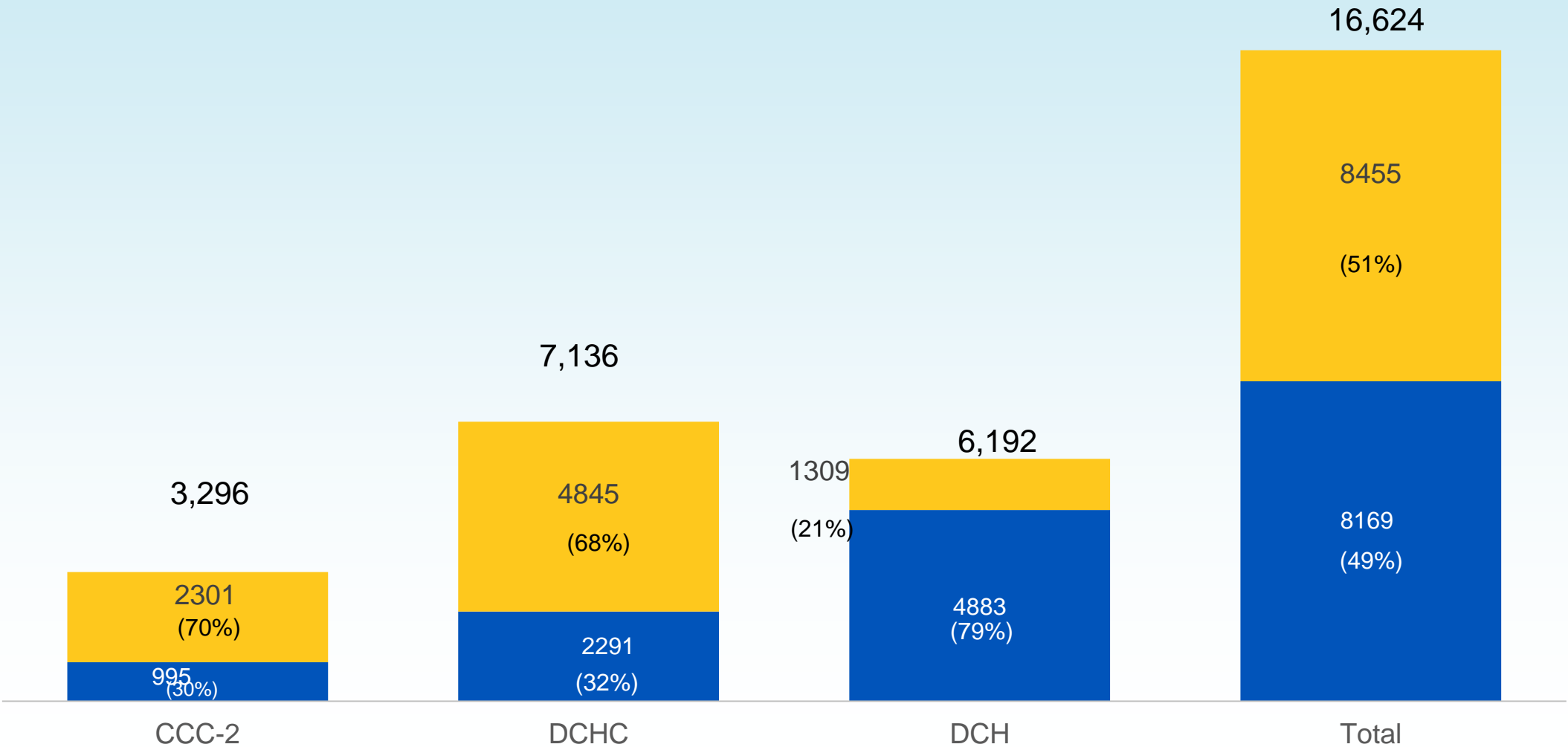


Source: "CCC2 line list"

# Summary of total bed capacity

As of Aug 27, 2020

On bed patients Available capacity



Source: At a glance facilities & DMU dashboard

# Covid19 Bed Management

Data as on 01:00 PM, Aug 28, 2020 , Subject to change

Covid Beds	Capacity	Occupancy	Vacancy
<b>Total</b>	<b>13,328</b>	<b>7,174</b>	<b>6,154</b>
ICU Beds	1,432	1,208	224
Regular	1,388	1,178	210
Modular	10	9	1
Pediatric ICU	12	6	6
Neonatal ICU	22	15	7
Normal Beds	11,896	5,966	5,930
Quarantine for Suspect	968	499	469
Isolation for Positives	10,524	5,278	5,246
Pregnancy	237	75	162
Others (Cancer + Dialysis)	167	114	53
<i>O2 Beds*</i>	8,701	4,472	4,229
<i>Ventilators*</i>	940	806	134

Source: DMU dashboard;

\*O2 Beds and Ventilators are a subset of ICU & Normal Beds

Data subject to change after scrutiny and ongoing verification process

# Summary of total bed capacity

Data as on 01:00 PM, Aug 28, 2020 , Subject to change

			COVID Beds				
			Total	ICU Beds	Normal Beds	O2 Beds*	Ventilators*
Capacity	Total		13,328	1,432	11,896	8,701	940
	Public	Hospitals	4,921	647	4,274	2,856	517
		Jumbo	6,067	244	5,823	4,357	146
	Pvt	Hospitals	2,340	541	1,799	1,488	277
Occupancy	Total		7,174	1,208	5,966	4,472	806
	Public	Hospitals	3,382	593	2,789	2,075	479
		Jumbo	1,905	132	1,773	1,205	67
	Pvt	Hospitals	1,887	483	1,404	1,192	260
Vacancy	Total		6,154	224	5,930	4,229	134
	Public	Hospitals	1,539	54	1,485	781	38
		Jumbo	4,180	112	4,068	3,152	79
	Pvt	Hospitals	435	58	377	296	17

Source: DMU dashboard;  
 \*O2 Beds and Ventilators are a subset of ICU & Normal Beds



## Key Trends

Contact tracing and home quarantine

Status of COVID19 Positive Cases

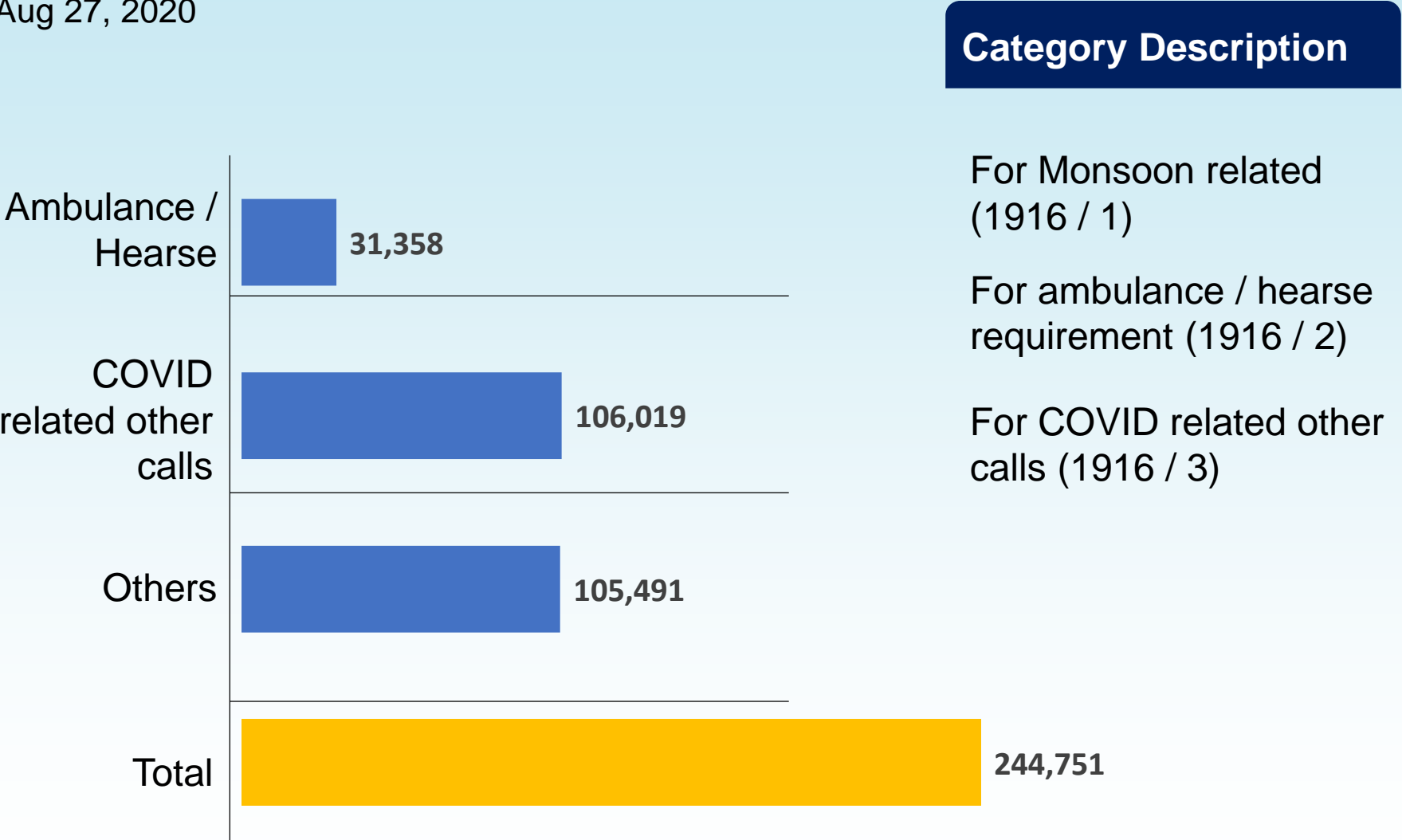
Bed Capacity

**Other initiatives**



# Call Center update

For all calls received from April 24 to Aug 27, 2020



# Management of Waste from Quarantined Areas

## August 24, 2020



### Waste Collected (in Kgs)

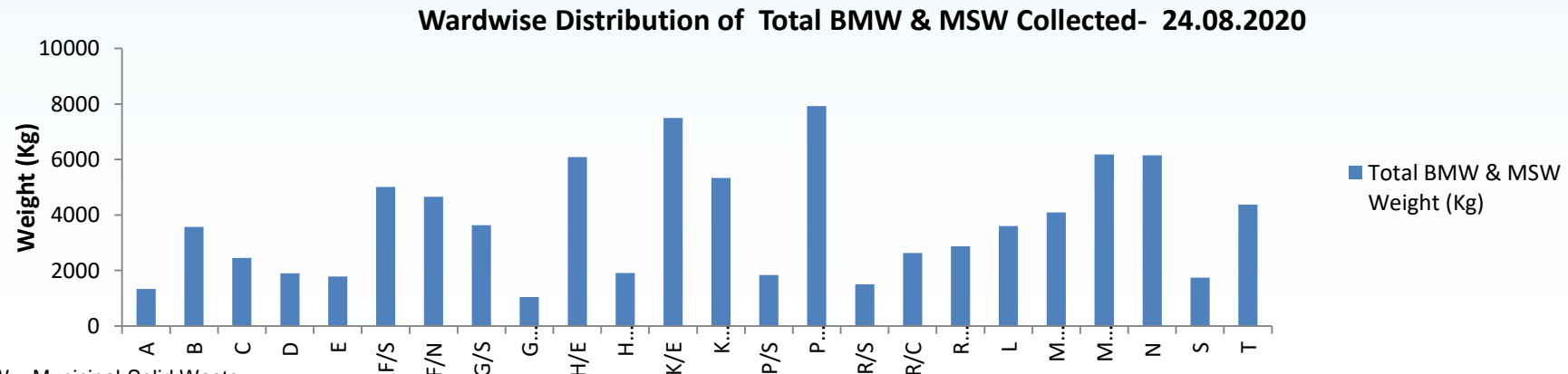
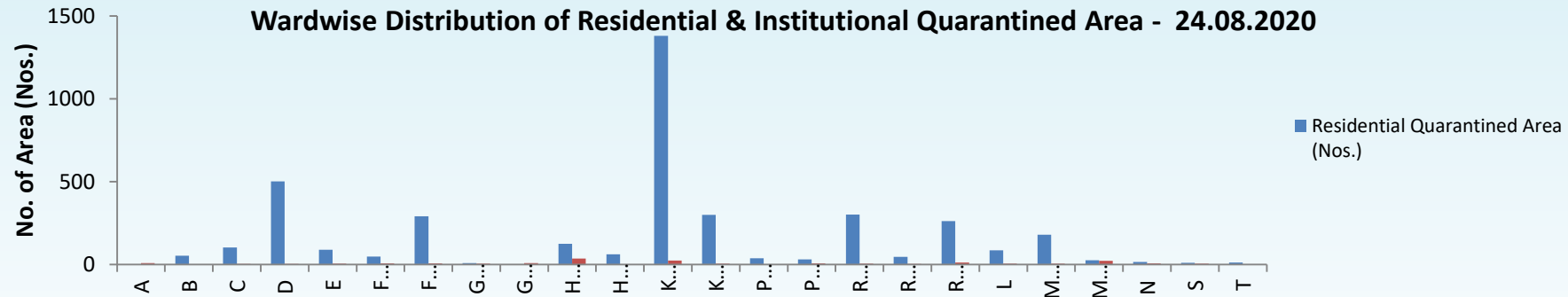
COVID BMW (in Kgs)  
**9634**

MCGM Quarantine BMW (in Kgs)  
**2514**

Total BMW (in Kgs):  
**12,148.0**

Total MSW Collected by MCGM from Quarantined Area (in Kgs):  
**86,640.0**

Total MSW & BMW Collected by MCGM from Quarantined Area(in Kgs): **98,788**



**Note:** BMW – Bio-Medical Waste, MSW – Municipal Solid Waste

# Thank you

