

# BMC Covid-19 Response War Room Dashboard

Aug 21, 2020



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# Mumbai COVID19 status at a glance

As of Aug 20, 2020

COVID19 Case Analysis		COVID19 Bed Management (As on 01:00 PM, Aug 21, 2020)		Contact Tracing	Past 24hrs	Cumulative	Others	
Total Positive	1,32,817	Bed Capacity	17,311	Total Traced	16,031	21,79,649	Senior Citizens Screened till date	8,52,239
Discharged	1,07,033	Occupied	8,065	High Risk	6,594	7,84,983	Senior Citizens with SPO2 > 95	8,49,162
Deaths	7,311	Available	9,246	Low Risk	9,437	13,94,666	Senior Citizens with SPO2 < 95	3,077
(Deaths with Age > 50yrs – 6,065)		DCH & DCHC Bed Capacity	13,465	Total Quarantine Completed		20,08,027	Active Containment Zones – Slums & Chawls	593
Total Active	18,170	Occupied	6,965	Currently in Home Quarantine		1,68,416	Released Containment Zones – Slums & Chawls	898
Stable – Asymptomatic	11,713	Available	6,500	Currently in Institutional Quarantine (CCC1)		3,206	Active Sealed Buildings	5,572
Stable - Symptomatic	5,415	CCC2 Facility (Activated Capacity)	3,846	Total CCC1 Facilities		332	Released Sealed Buildings	19,244
Critical	1,042	Occupied	1,100	Total Capacity(Beds)		48,588	Calls Centre Calls Flow	2,38,726
Tests Done (till date)	6,88,876	Available	2,746	Current Occupancy		3,206		
% of Positive (till date)	19.28	O2 Bed Capacity	8,894	Cumulative Occupancy		1,45,655		
Ward wise positive cases – 1,32,817 <sup>1</sup>		Occupied	4,439	Total CCC2 Facilities		173		
		Available	4,455	Total Capacity (Beds)		23,437		
		Ventilator Bed Capacity	912	Active Facilities		63		
		Occupied	778	Active Capacity(Beds)		3,846		
		Available	134	Current Occupancy		1,100		
				Cumulative Occupancy		33,679		

Wards	RC	D	RS	HW	RN	C	E	PS	MW	T	FN	KW	FS	A	GN	GS	PN	L	N	KE	S	HE	B	ME	Overall Mumbai
Positive Cases	7055	5566	6301	3666	3419	1848	5271	4379	3931	5715	5144	7380	6186	3225	7807	5757	7939	5731	6821	8223	7217	4542	1168	4601	
Days to double	51	65	65	69	72	76	80	82	85	86	93	94	96	100	100	105	107	108	113	117	118	119	121	127	89

1 Ward-wise break up is as on Aug 20, 2020, available for 1,28,892 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

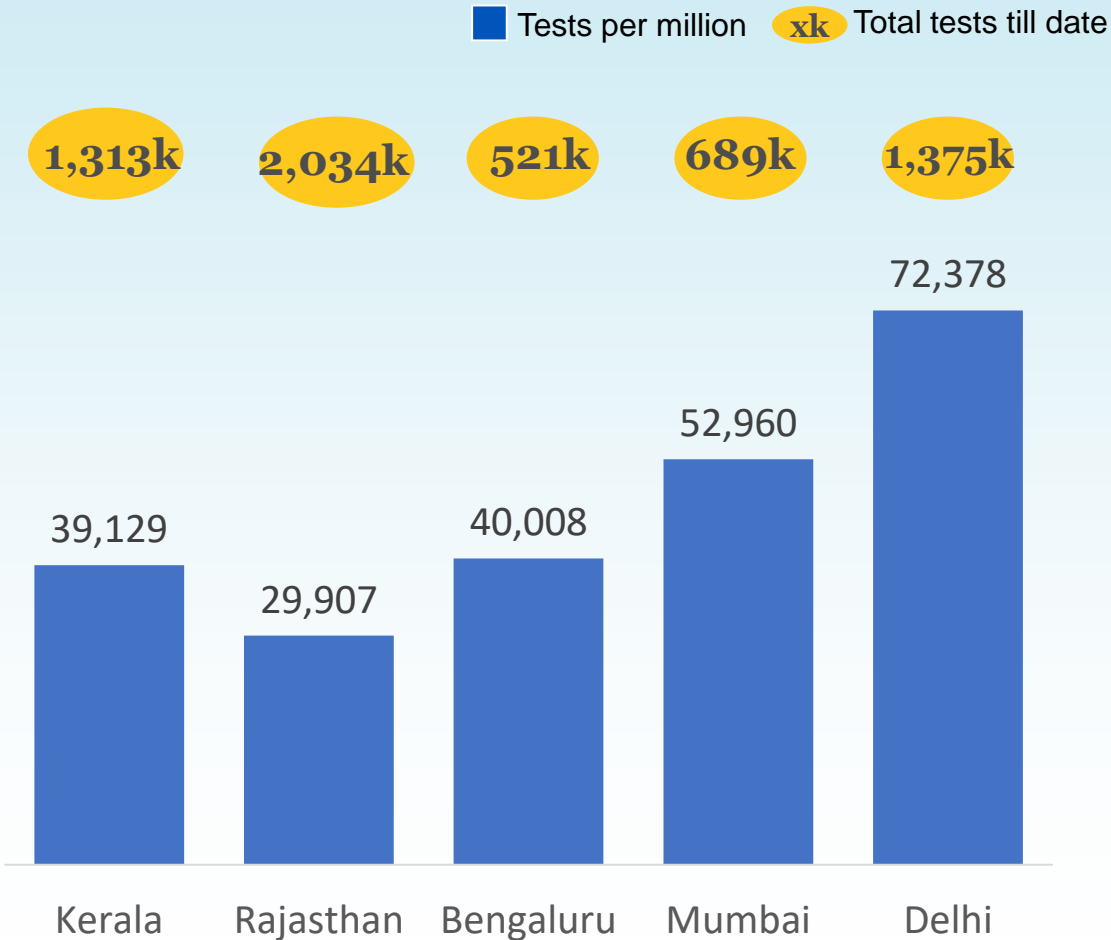
Other initiatives



# Tests/ million data for COVID-19

For all tests conducted from Feb 3, 2020 to Aug 20, 2020

## Tests per million



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

State	Cases	Tests	Tests per million
Bengaluru	99,822	5,20,099*	40,008
<b>Mumbai</b>	<b>1,32,817</b>	<b>6,88,876</b>	<b>52,960</b>
Delhi	1,57,354	13,75,182	72,378
West Bengal	1,29,119	14,51,615	16,089
Gujarat	83,107	15,46,063	24,937
Kerala	52,199	13,12,992	39,129
Maharashtra	6,43,289	34,98,166	28,312
Rajasthan	66,619	20,33,646	29,907
Tamil Nadu	3,61,435	39,88,599	1,19,463

Source: Government COVID bulletins as of Aug 20 2020

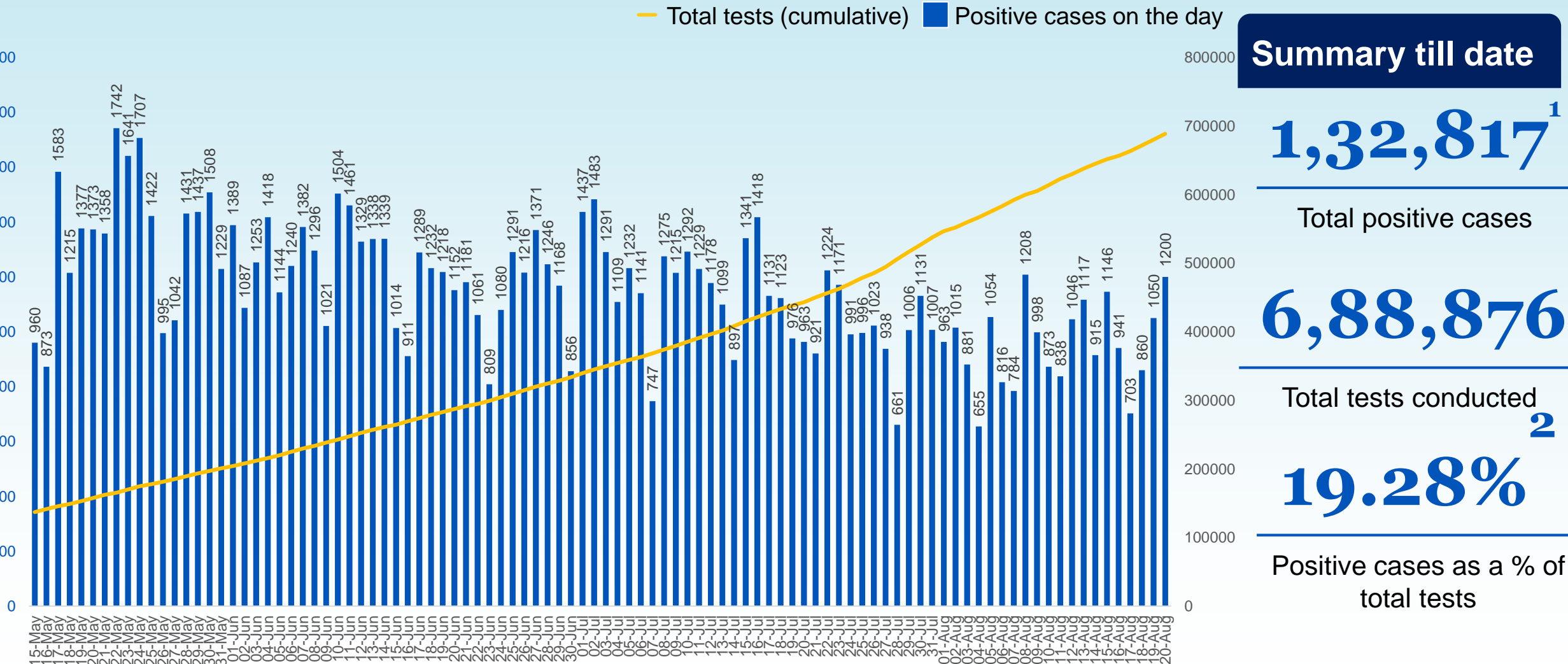
\* Data as of Aug 17 2020





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

Based on date of reporting, from Feb 03, 2020 to Aug 20, 2020



1 Total Positive cases as on Aug 20, Total cases as of Aug 20 as per line list is 1,28,892

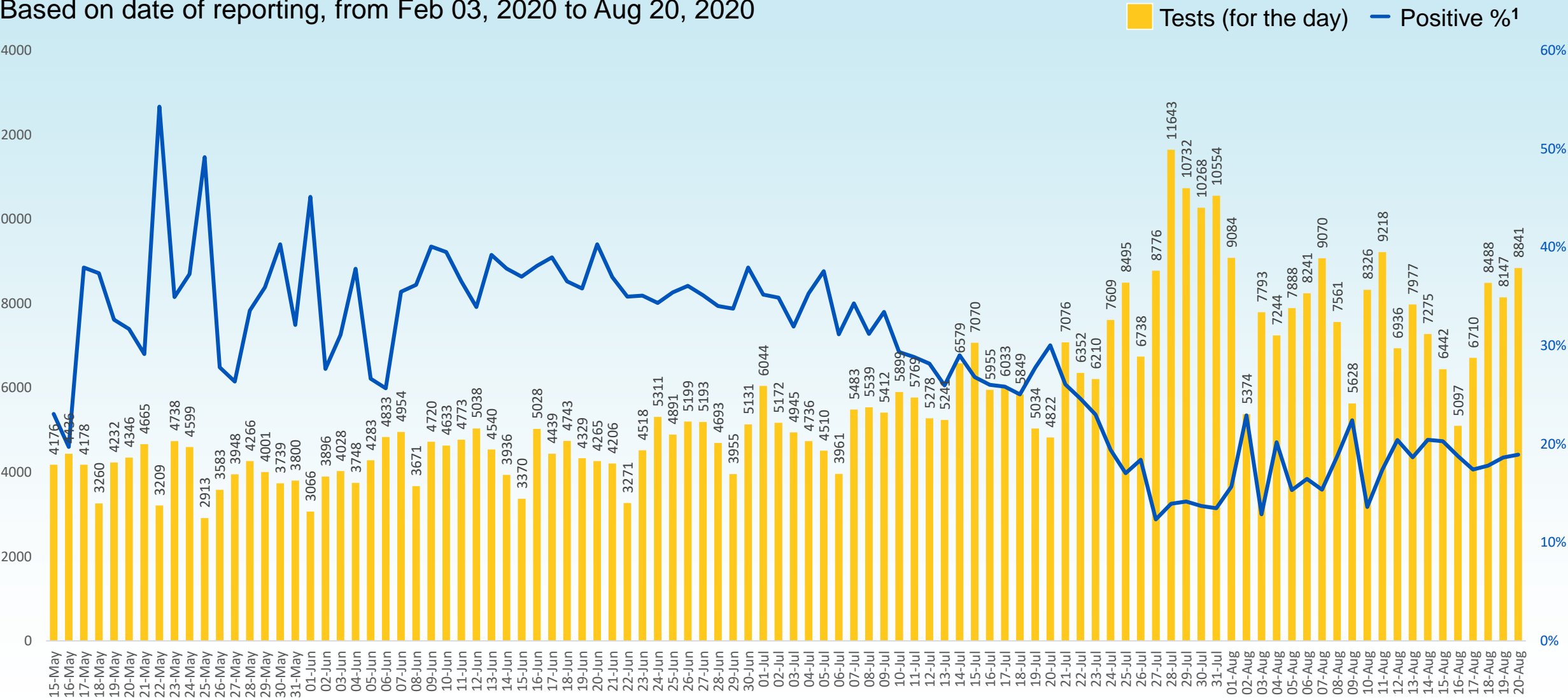
2 Total Positive cases (as per press release) as a % of total tests conducted

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

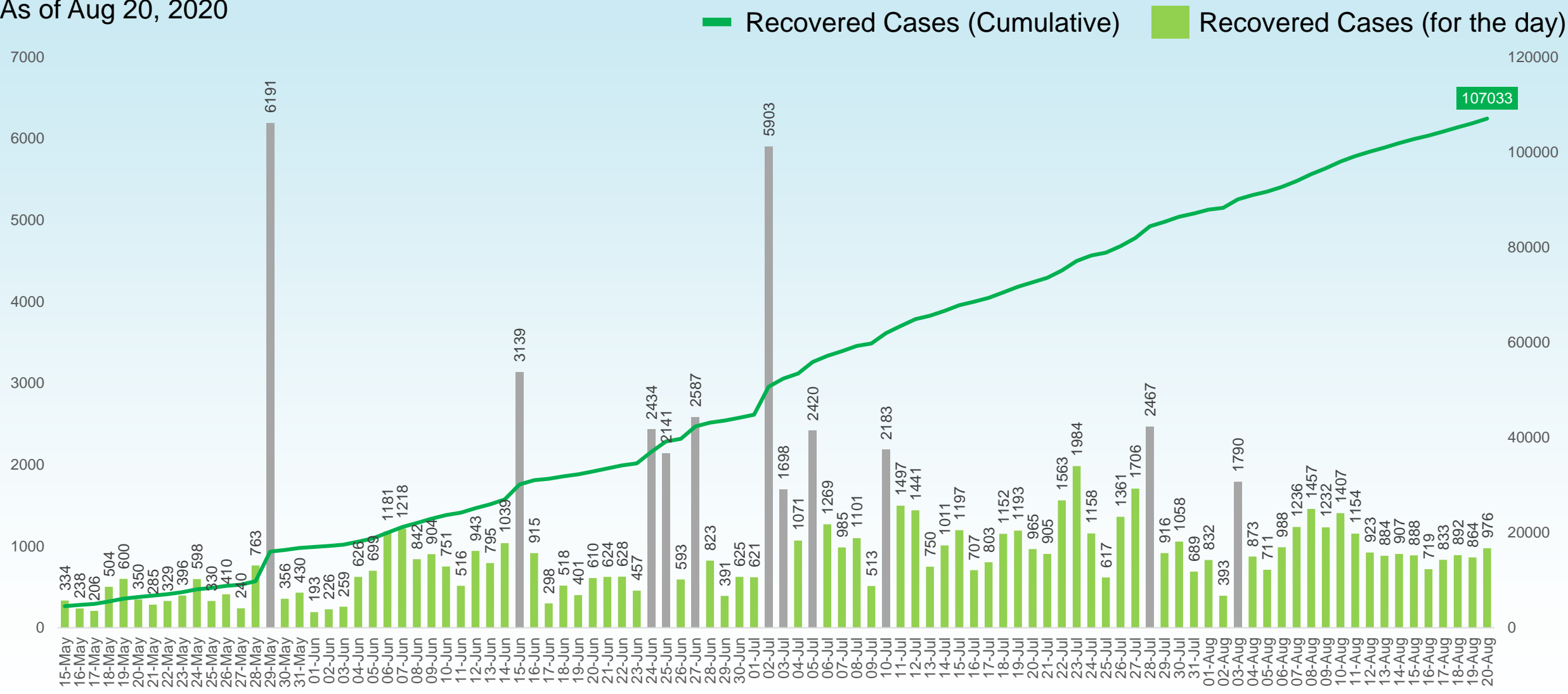
Based on date of reporting, from Feb 03, 2020 to Aug 20, 2020



<sup>1</sup>Positive samples for the day as a % of total tests for the day;  
 Positive Samples include duplicates with ICMR (~14%) and Out of Mumbai Cases (4%)  
 Source: Covid-19 daily update by the Public Health Department, BMC

# Trend of Recovered Cases

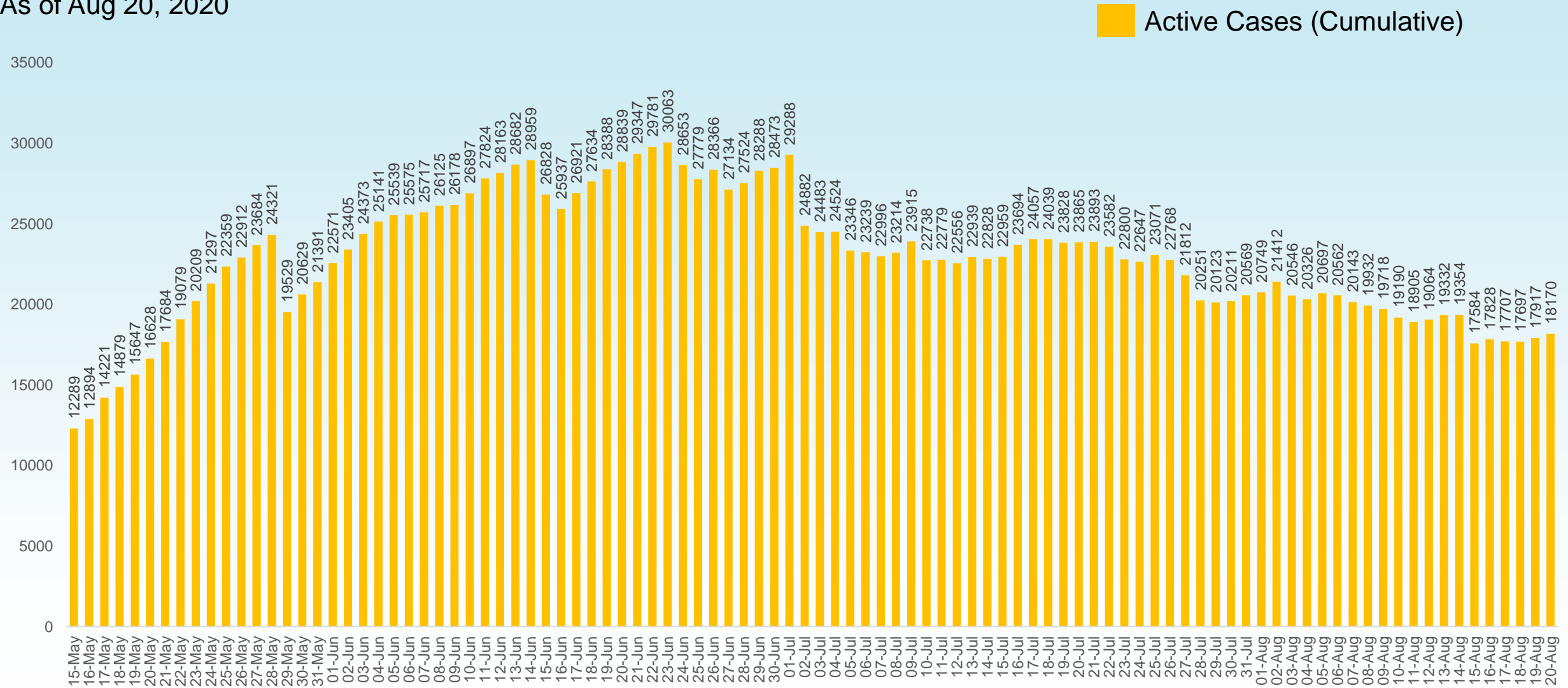
As of Aug 20, 2020



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

# Trend of Active Cases

As of Aug 20, 2020

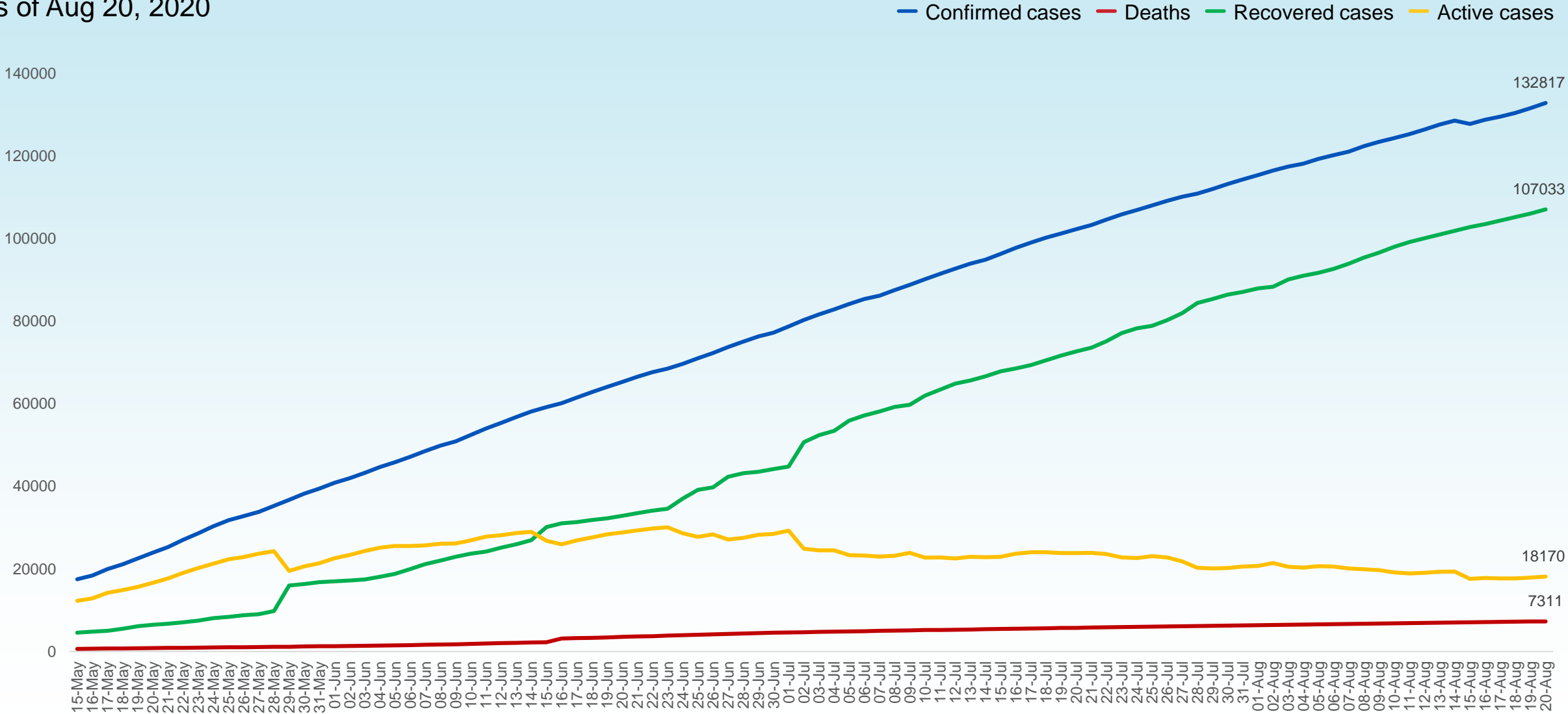






# Case summary for Mumbai

As of Aug 20, 2020





## Key Trends

**Contact tracing and home quarantine**

Status of COVID19 Positive Cases

Bed Capacity

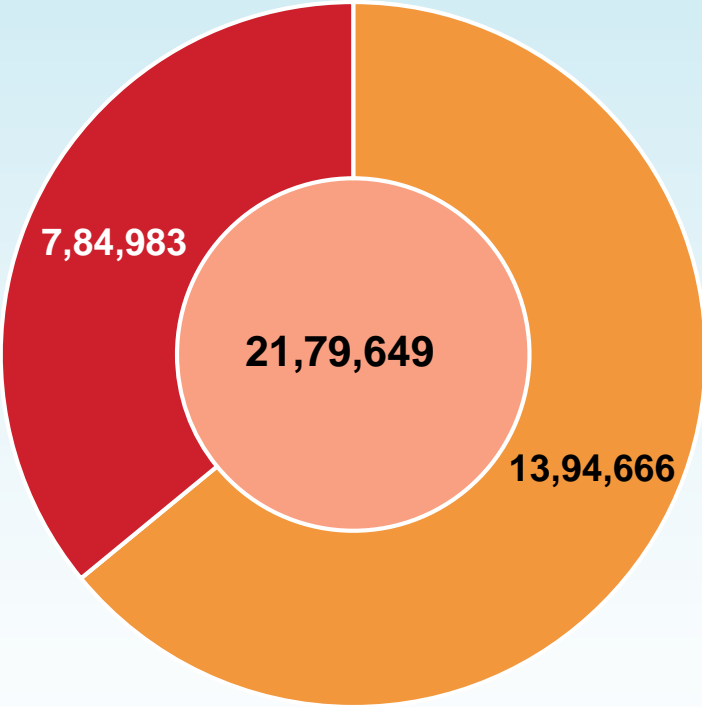
Other initiatives

# Update on contact tracing

Summary as of Aug 20, 2020



**Positive patients**



**Contacts traced**

**20,08,027**

Completed quarantine

**1,68,416**

In home quarantine,

**3,206**

Currently at institutional  
quarantine facilities

**1,45,655**

Shifted to institutional  
quarantine facilities till date

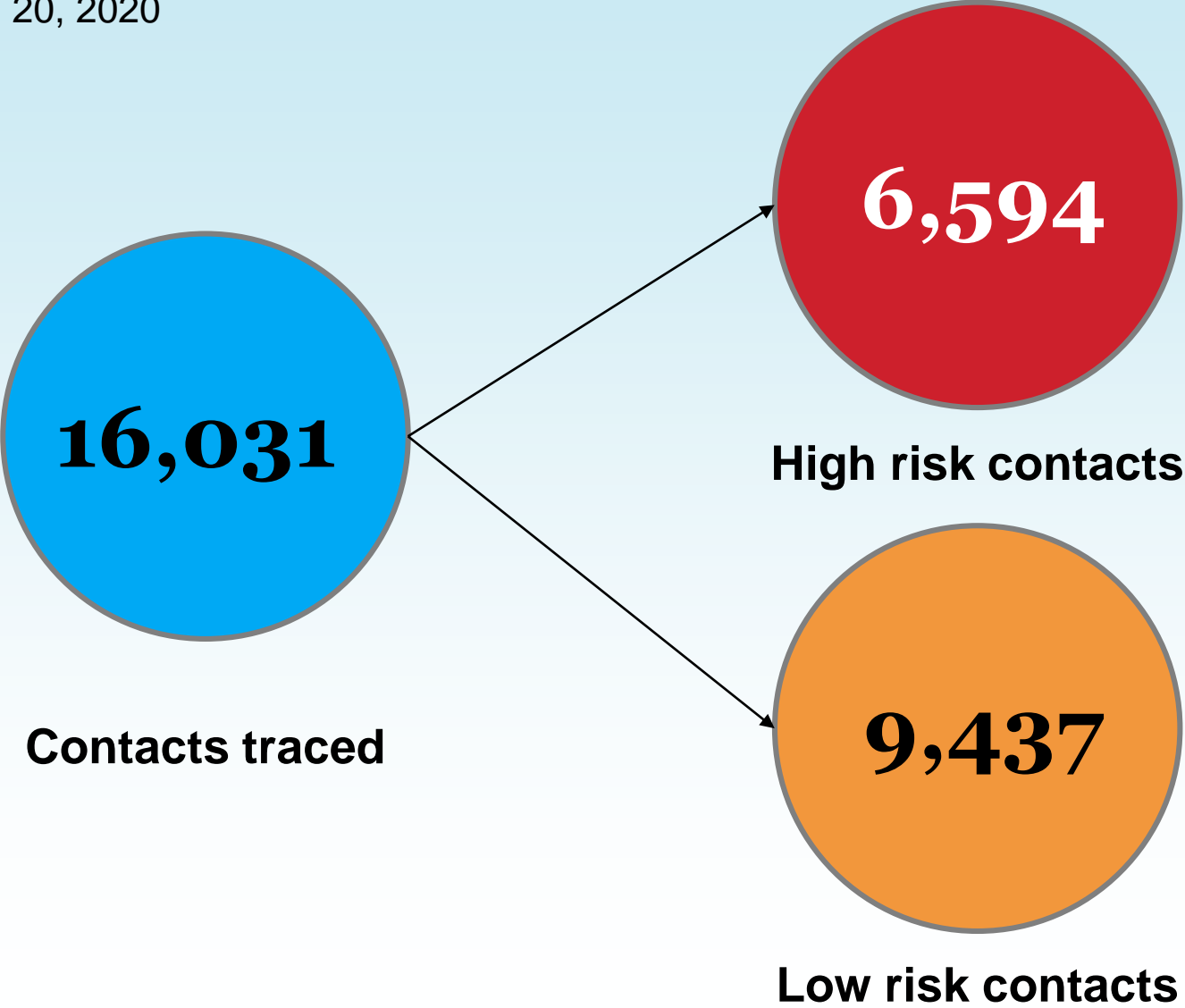
- Positive patients
- Total contacts traced
- High risk
- Low risk

Source: Quarantine numbers from BMC Contact Tracing Report as on Aug 20, 2020; shift to Institutional facilities from "CCC1 and CCC2 Facilities"

Data subject to change after scrutiny and ongoing verification process

# Contact tracing report for last 24 hours

Summary as of Aug 20, 2020



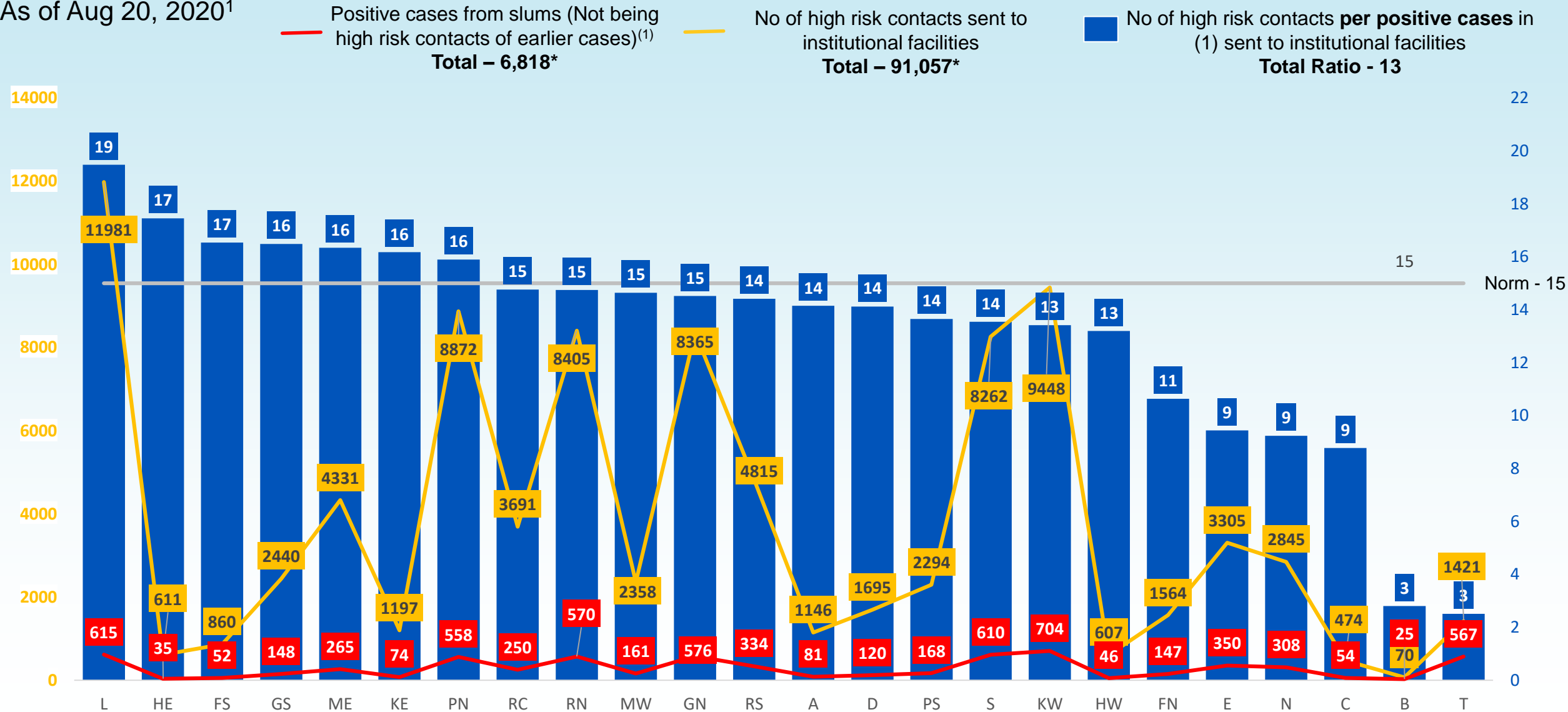
Source: Quarantine numbers from BMC Contact Tracing Report as on Aug 20 2020; shift to Institutional facilities from "CCC1 and CCC2 Facilities"

Data subject to change after scrutiny and ongoing verification process



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

As of Aug 20, 2020<sup>1</sup>



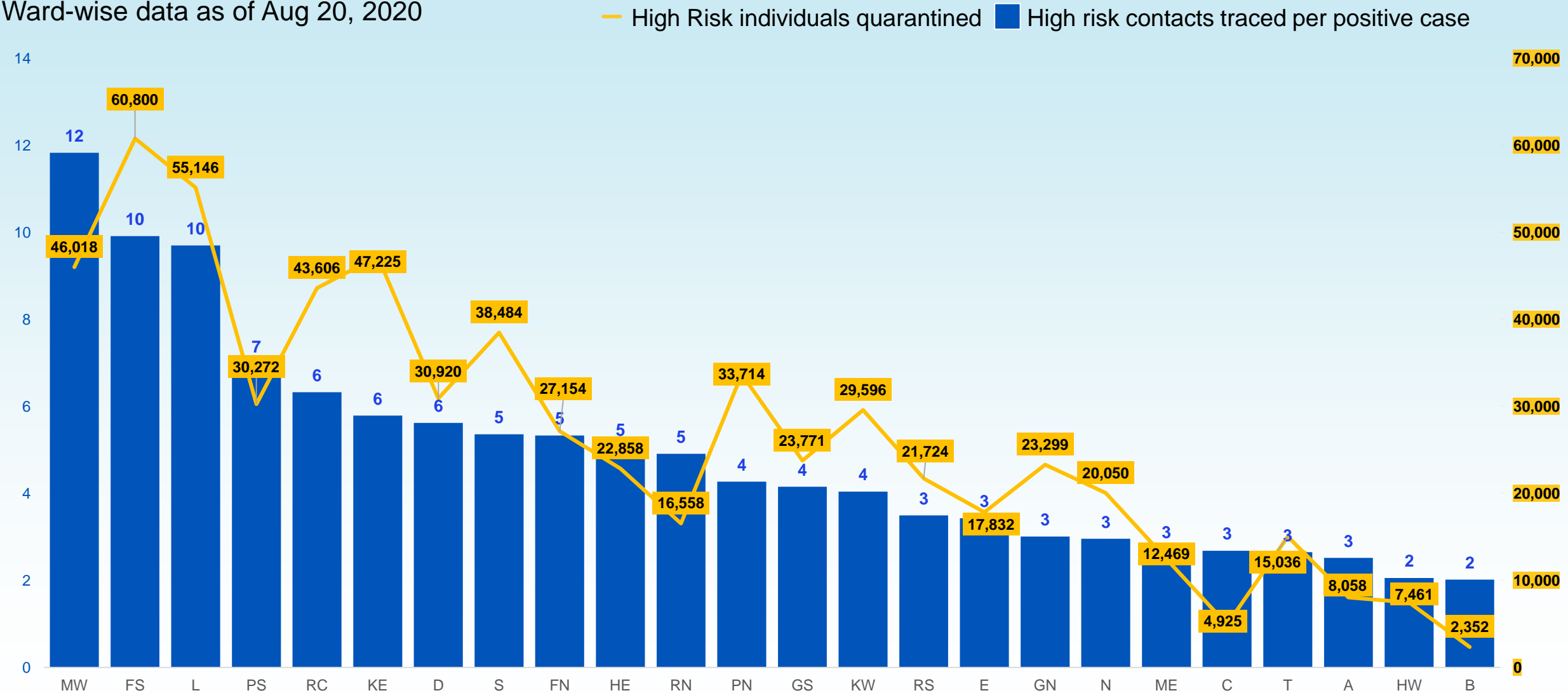
\* Data for Ward ME & Ward RN is updated as of Aug 18  
1 Data since June 03, 2020; Source – Operation – Chase the virus



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

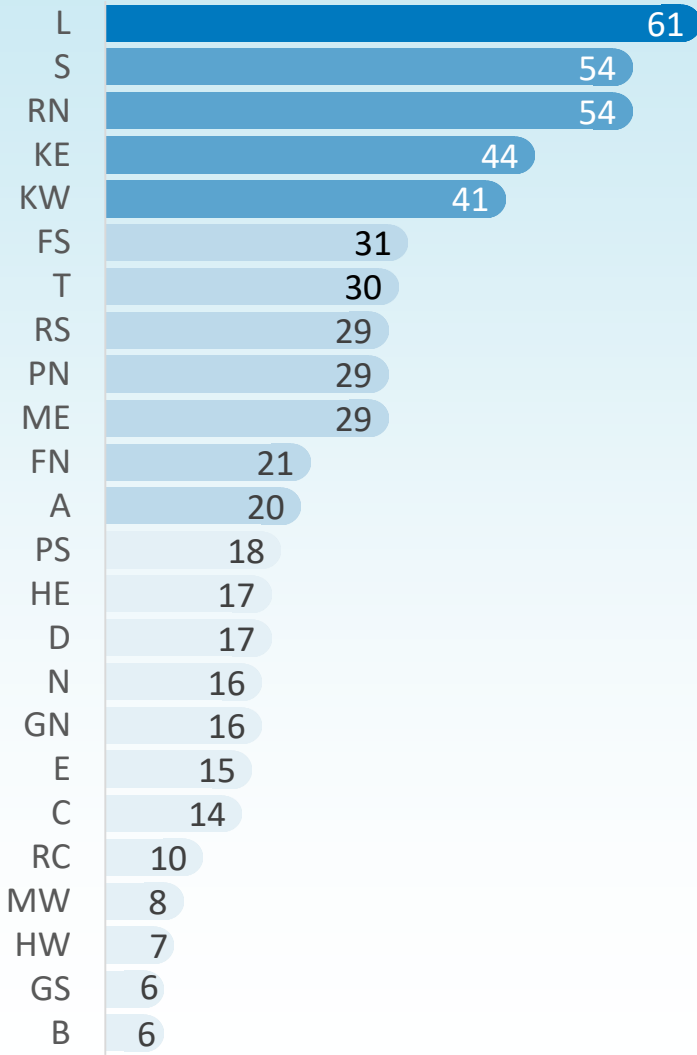
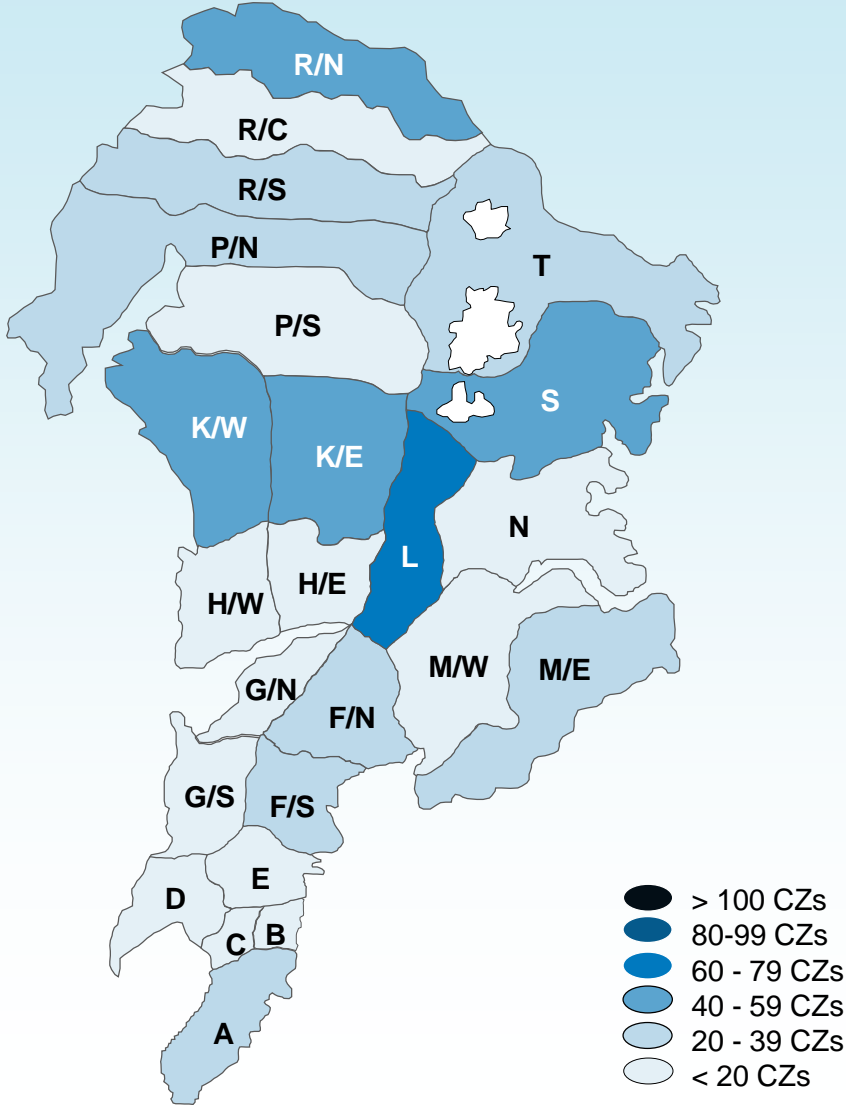


Ward-wise data as of Aug 20, 2020



# Ward-wise containment zones – slums and chawls

As of Aug 20, 2020



**593** *Active*  
 Containment Zones

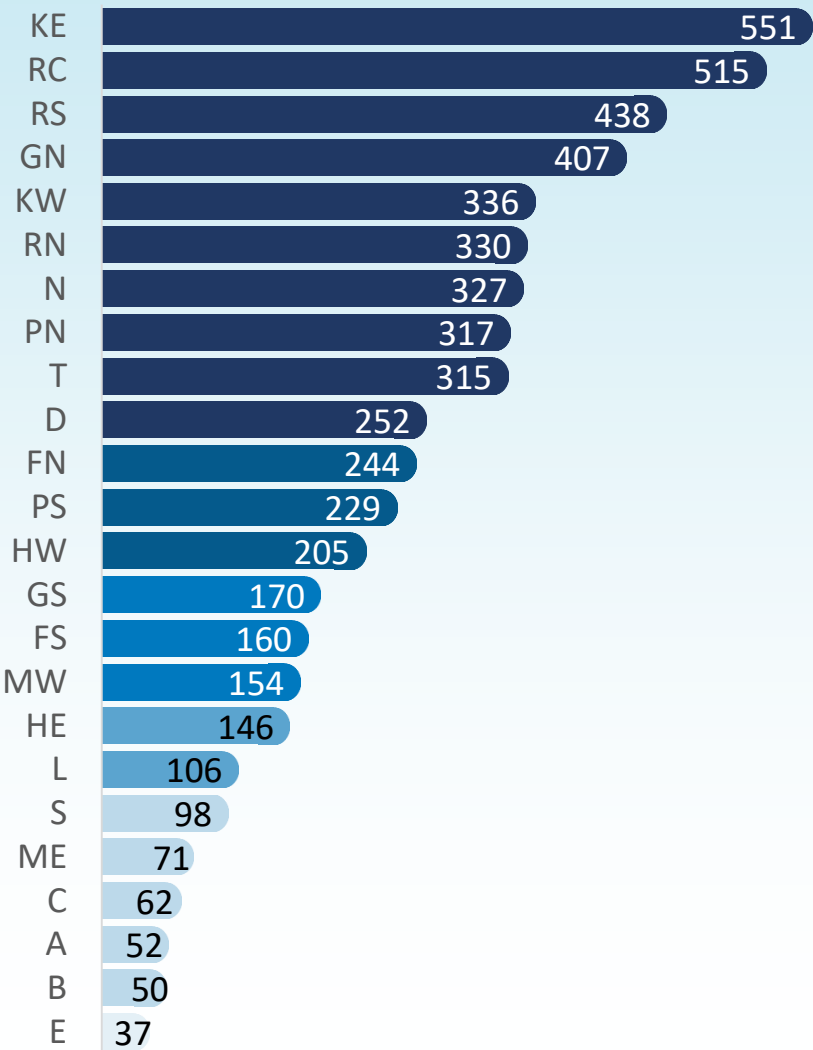
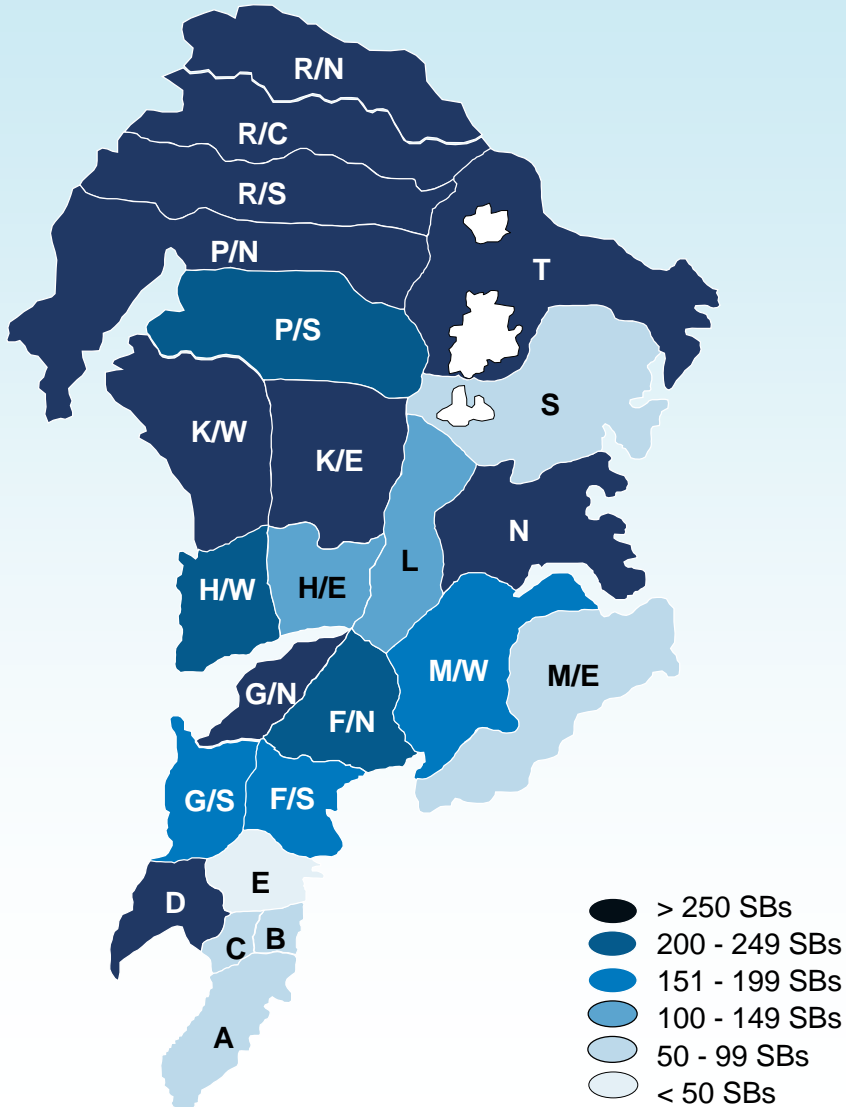
**9.5** *lacs*  
 No. of Households

**40.7** *lacs*  
 Population

**898** *Released*  
 Containment Zones

# Ward-wise sealed buildings

As of Aug 20, 2020



**5,572 Active**  
 Sealed Buildings

**2.2 lacs**  
 No. of Households

**7.9 lacs**  
 Population

**19,244 Released**  
 Sealed Buildings



Key Trends

Contact tracing and home quarantine

**Status of COVID19 Positive Cases**

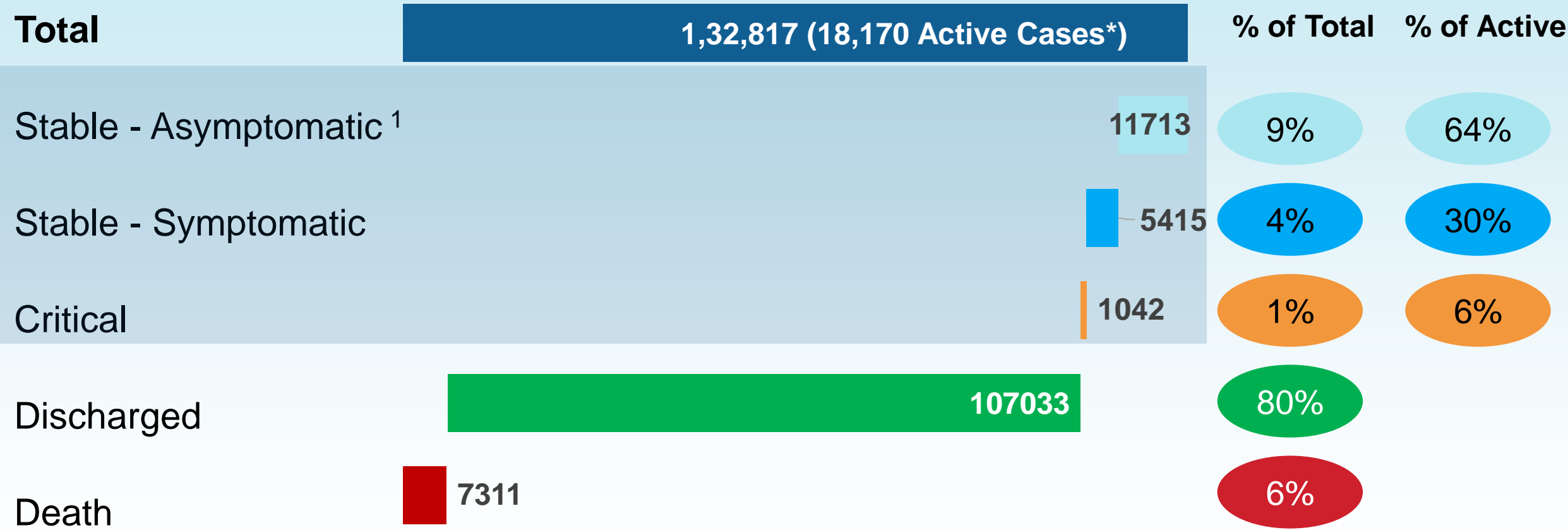
Bed Capacity

Other initiatives



# Case summary for Mumbai

As of Aug 20, 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 (5,768 cases) has been added to "Stable – Asymptomatic" cases

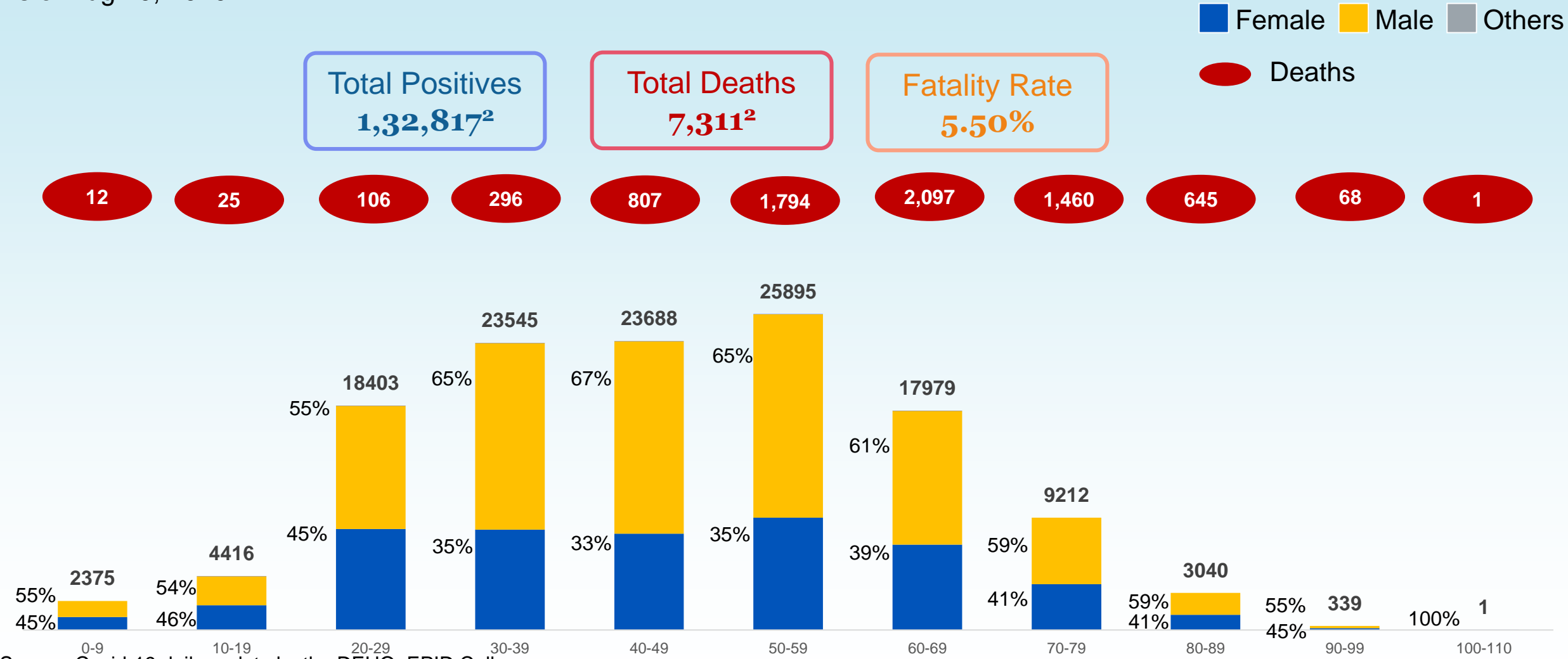
Source: Covid-19 daily update by the DEHO, EPID Cell for total cases, discharges, deaths; "At a glance isolation facility report" for critical

Data subject to change after scrutiny and ongoing verification process



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

As of Aug 20, 2020<sup>1</sup>



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

<sup>1</sup> Total Age and sex-wise break up is available 1,28,893 cases; age-wise breakup of deaths available for 7,311 cases

<sup>2</sup> As on Aug 20

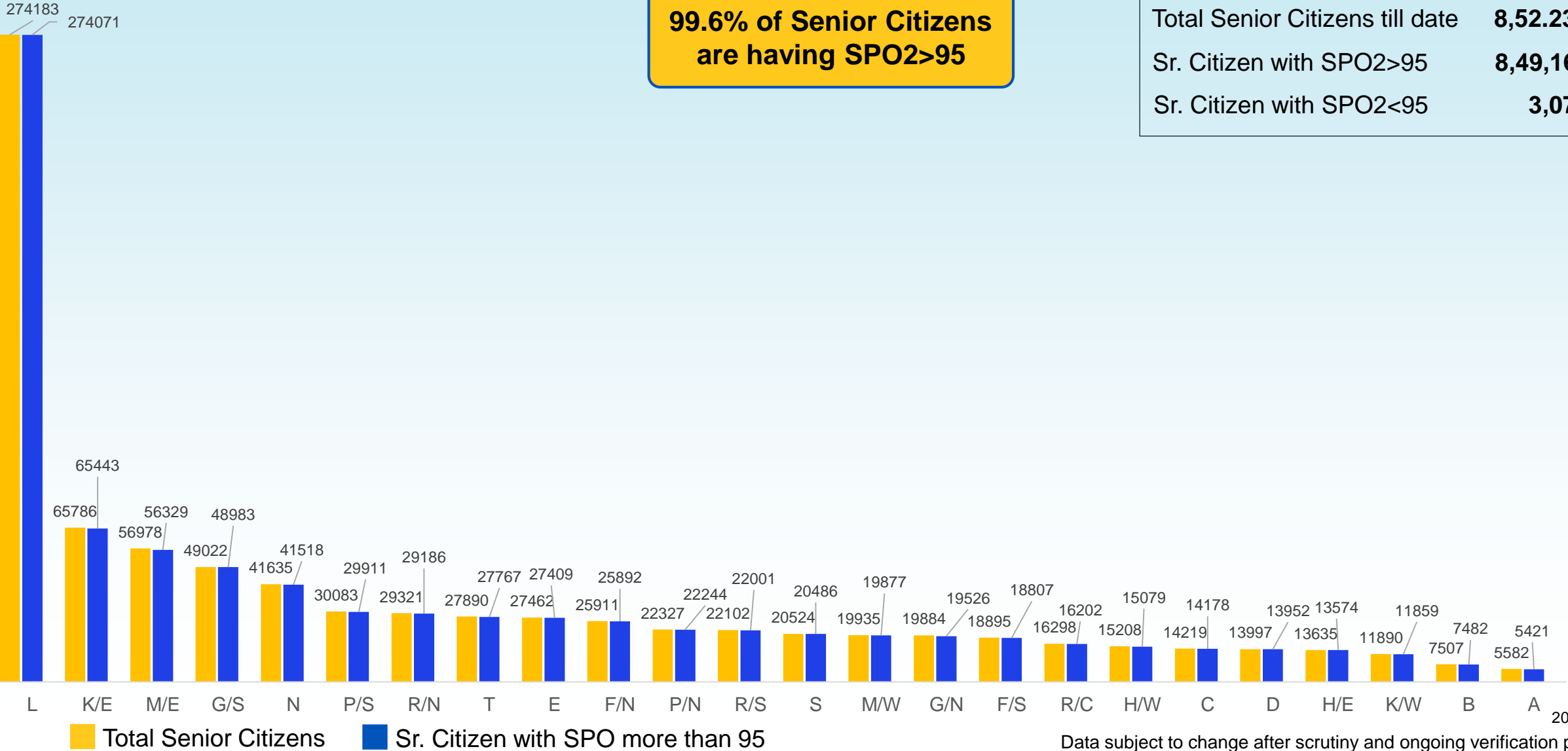


# Proactive screening of elderly to protect them and contain mortality

Ward-wise data(progressive) till Aug 20, 2020

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

Population Screened till date	1,67,12,441
Total Senior Citizens till date	8,52,239
Sr. Citizen with SPO2>95	8,49,162
Sr. Citizen with SPO2<95	3,077



Data subject to change after scrutiny and ongoing verification process

# Proactive screening of elderly to protect them and contain mortality

Ward-wise data for Aug 20, 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>45,721</b>	<b>177,346</b>	<b>7,431</b>	<b>7,423</b>	<b>8</b>
R/N	8,797	28,741	255	252	3
G/N	2,672	10,709	136	134	2
N	2,664	10,656	1,328	1,326	2
M/E	846	3,254	311	310	1
A	400	1,940	22	22	0
B	320	1,437	43	43	0
C	1,049	4,372	50	50	0
D	403	1,487	119	119	0
E	1,279	9,975	220	220	0
F/S	930	3,319	185	185	0
F/N	539	2,288	241	241	0
G/S	2,660	9,483	217	217	0
H/E	506	1,913	31	31	0
H/W	788	2,394	144	144	0
K/E	2,438	8,058	498	498	0
K/W	545	1,664	140	140	0
P/S	1,731	7,871	190	190	0
P/N	2,638	9,831	189	189	0
R/S	4,381	17,378	236	236	0
R/C	1,301	5,044	136	136	0
L	4,633	20,926	1,965	1,965	0
M/W	1,201	3,826	171	171	0
S	2,004	7,598	175	175	0
T	996	3,182	429	429	0

Summary till date

**1,67,12,441**

Total Population covered till date

**8,52,239**

Senior Citizens covered till date

**8,49,162**

Senior Citizens with SPO2>95 till date

**3,077**

Senior Citizens with SPO2<95 till date

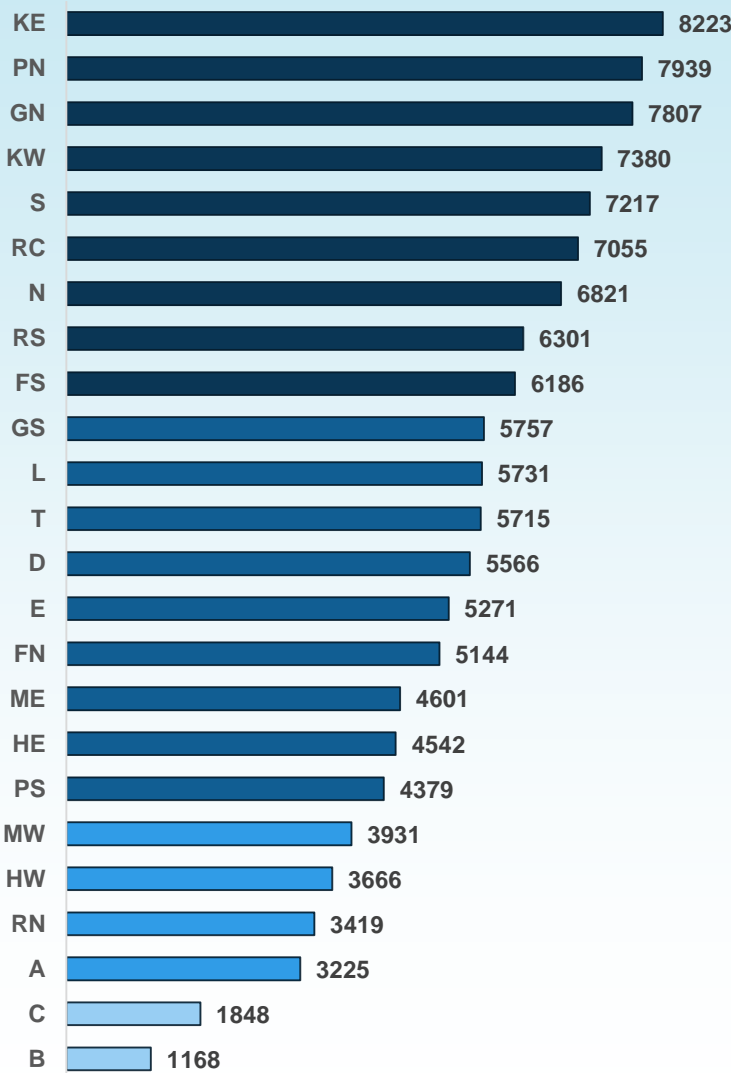
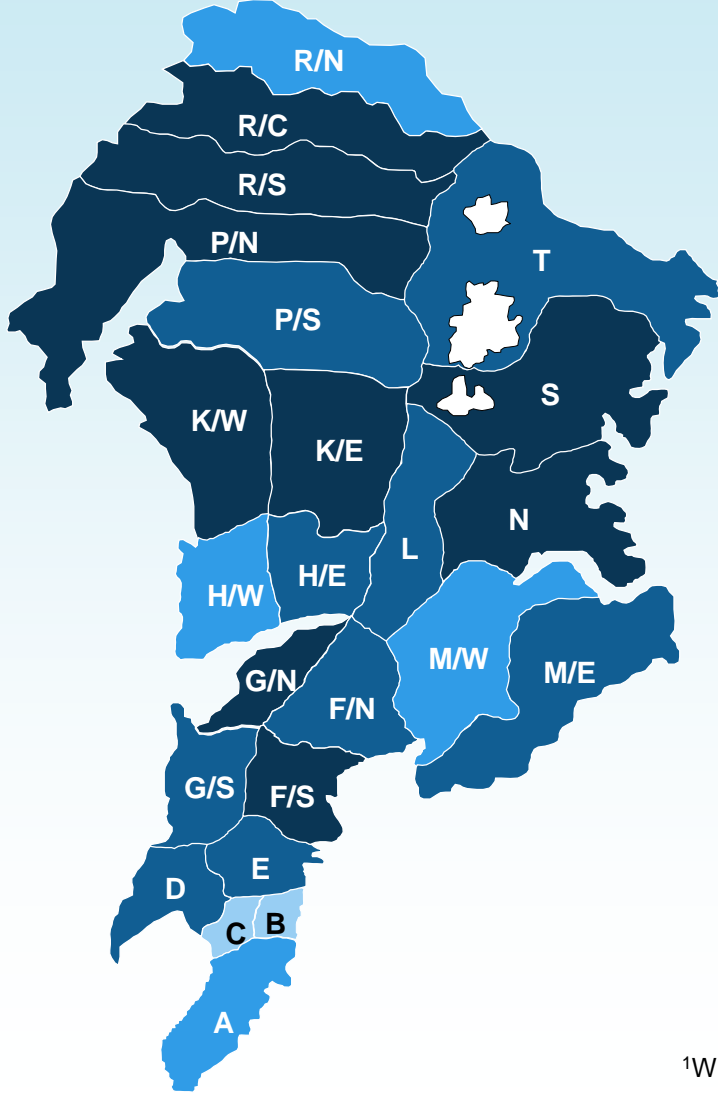
\* Due to Data reconciliation, total population number is reduced.; Total population covers individuals screened multiple times

Data subject to change after scrutiny and ongoing verification process



# Ward-wise breakdown of positive cases

As of Aug 20, 2020



6766	511	946
6897	351	691
6324	482	1001
6146	312	922
6013	453	751
5493	255	1307
5797	395	629
5009	211	1081
5077	353	756
4770	393	594
4713	433	585
4818	166	731
4522	227	817
4217	288	766
4246	293	605
3751	307	543
3694	352	496
3600	231	548
3213	289	429
2891	185	590
2680	148	591
2713	70	442
1498	96	254
901	89	178
105749	6890	16253

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

Total Positives  
**1,32,817<sup>1</sup>**

Total Active  
**16,253<sup>1</sup>**

Active = Positive – Discharges – Death

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

<sup>1</sup>Ward-wise breakup is available for 1,28,892 cases (16,253 Active), Total

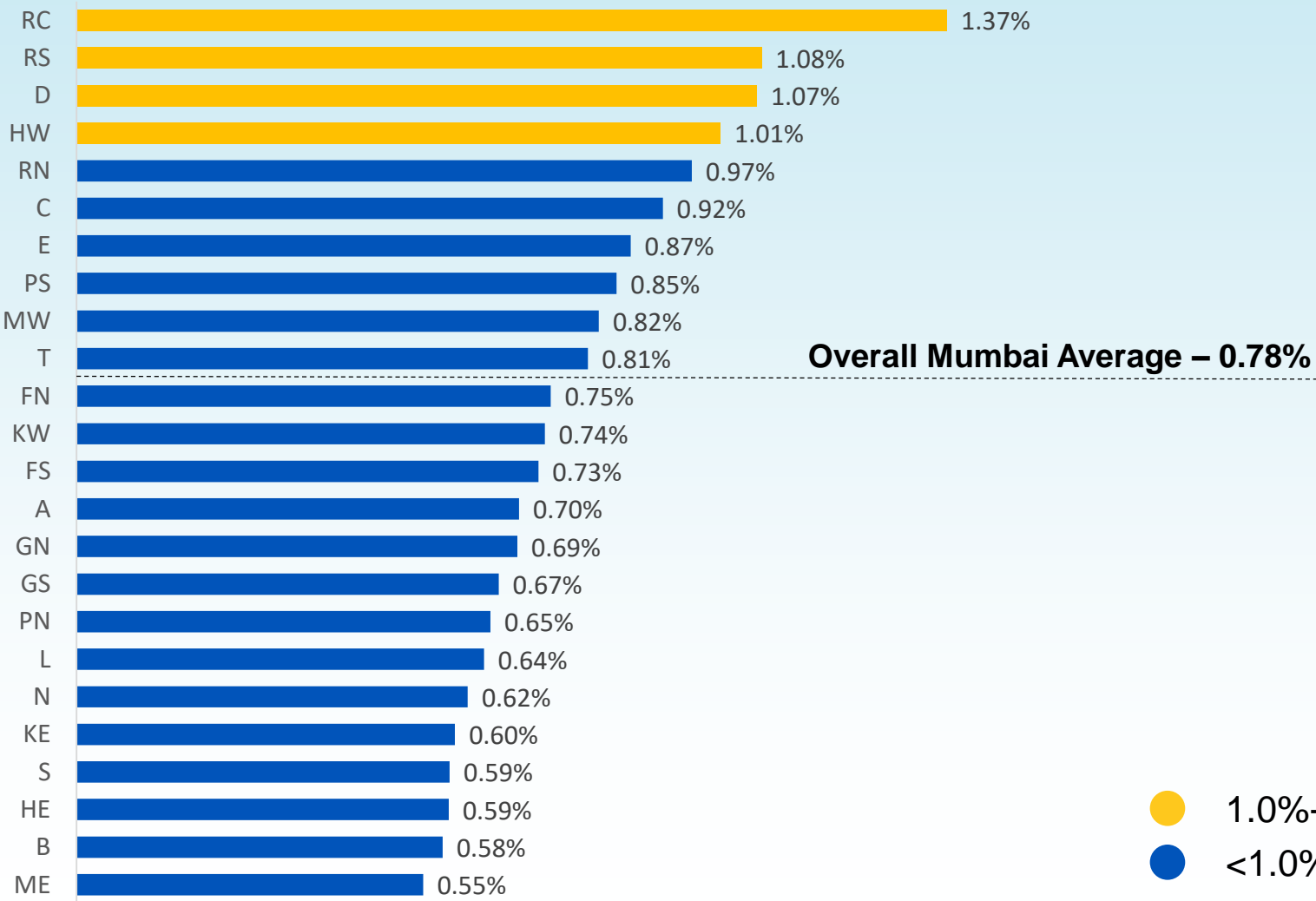
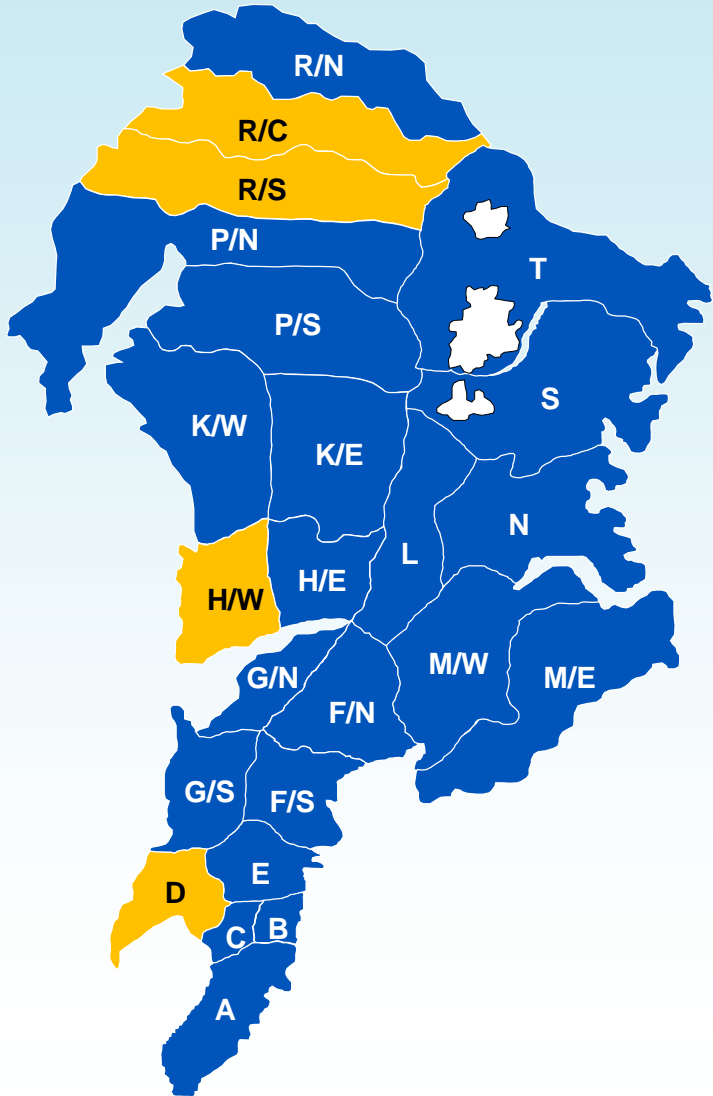
<sup>2</sup>Discharges as on Aug 20, Available for 1,05,749 cases,

<sup>3</sup>Deaths as on Aug 20, Available for 6,890 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 20, 2020





# Ward-wise new cases

Positive cases for the last 7 days till Aug 20, 2020<sup>1</sup>

Date of report	RC	D	RS	HW	RN	C	E	PS	MW	T	FN	KW	FS	A	GN	GS	PN	L	N	KE	S	HE	B	ME	Grand Total
Area>>>	Borivali	Grant Road	Kandivali	Bandra	Dahisar	Marine Lines	Byculla	Goregaon	Chembur W	Mulund	Matunga	Andheri W	Parel	Colaba	Dadar	Elphinstone	Malad	Kurla	Ghatkopar	Andheri E	Bhandup	Khar	Sandhurst Road	Chembur E	
As on 13th Aug	6414	5166	5845	3416	3196	1733	4960	4127	3712	5403	4883	7010	5880	3072	7438	5496	7586	5480	6534	7888	6927	4360	1122	4429	122077
14-Aug	81	49	56	35	33	6	30	31	46	44	36	48	37	13	48	31	49	40	30	50	51	37	11	23	915
15-Aug	98	78	68	37	26	30	58	53	30	45	48	60	44	24	47	48	71	43	59	54	46	23	16	40	1146
16-Aug	82	55	74	31	17	29	43	37	24	49	34	53	44	24	49	45	43	34	34	50	42	19	1	28	941
17-Aug	57	34	48	40	10	12	30	17	21	29	39	41	29	7	50	34	37	29	39	28	30	19	6	17	703
18-Aug	83	56	68	30	36	7	28	37	25	64	22	49	32	28	28	33	58	28	37	36	42	18	4	11	860
19-Aug	79	63	58	38	53	18	51	34	31	39	31	58	66	30	76	33	51	32	49	52	41	31	5	31	1050
20-Aug	161	65	84	39	48	13	71	43	42	42	51	61	54	27	71	37	44	45	39	65	38	35	3	22	1200
As on 20th Aug	7055	5566	6301	3666	3419	1848	5271	4379	3931	5715	5144	7380	6186	3225	7807	5757	7939	5731	6821	8223	7217	4542	1168	4601	128892
Days to double	51	65	65	69	72	76	80	82	85	86	93	94	96	100	100	105	107	108	113	117	118	119	121	127	89

**Wards <= 65 days to double**

- Ward RC
- Ward D
- Ward RS

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 20, 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

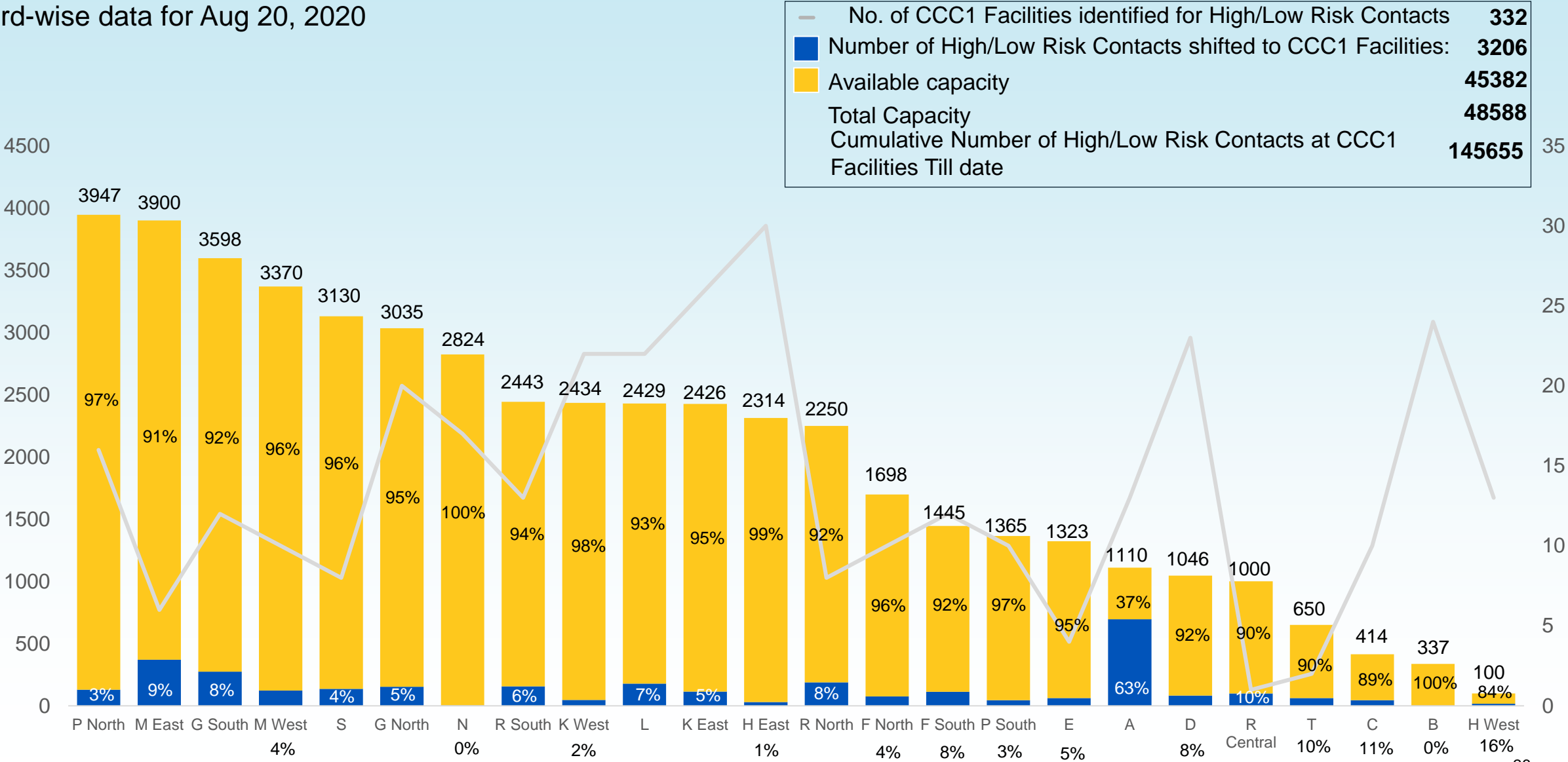
**Bed Capacity**

Other initiatives



# Ward-wise bifurcation of CCC1 facilities

Ward-wise data for Aug 20, 2020



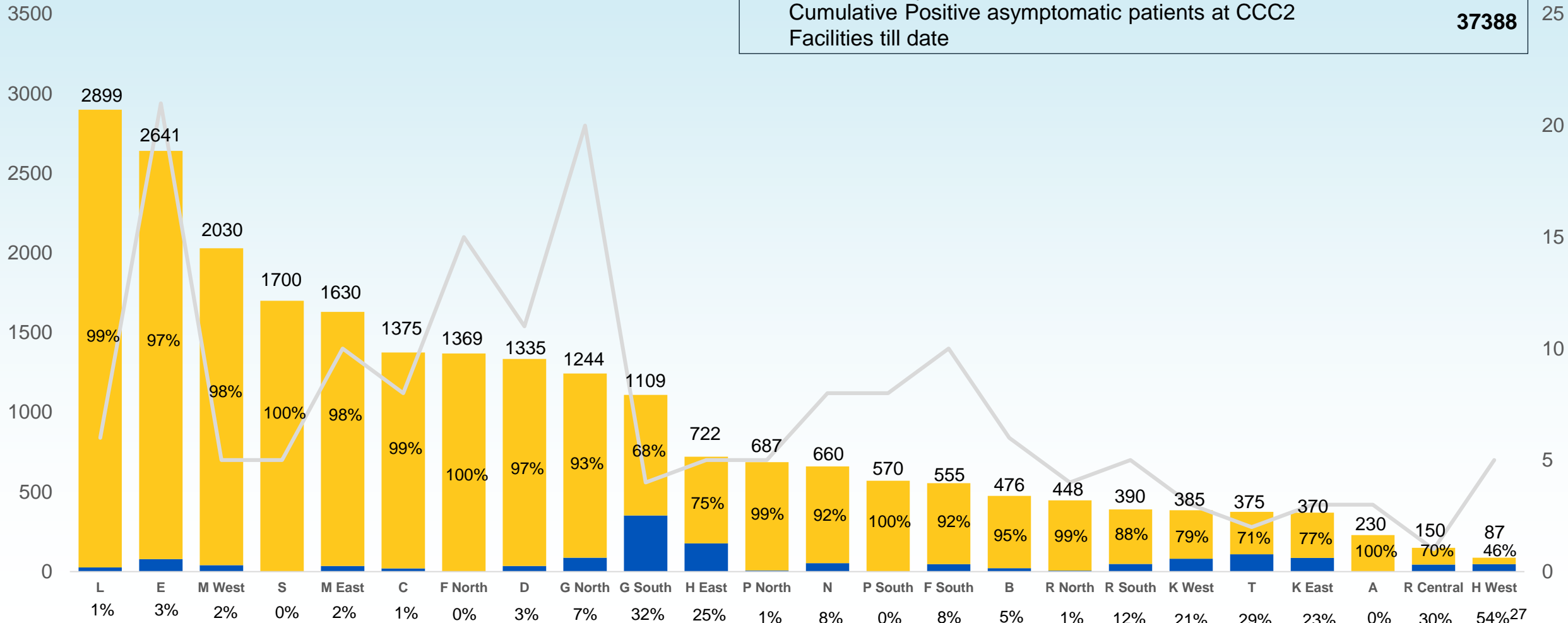
Source: CCC1 and CCC2 facilities excel maintained by war-room coordinators



# Ward-wise bifurcation of CCC2 facilities

Ward-wise data for Aug 20, 2020

No. of CCC2 Facilities Identified for Positive Asymptomatic Patients	173
Number of positive asymptomatic patients shifted to CCC2 Facilities	1405
Available capacity	22032
Total Capacity	23437
Cumulative Positive asymptomatic patients at CCC2 Facilities till date	37388



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



# Ward-wise bifurcation of CCC2 ACTIVE facilities

Ward-wise data for Aug 20, 2020

Beds occupied	1100
Available capacity	2746
Total capacity	3846
Cumulative patients till date	33679



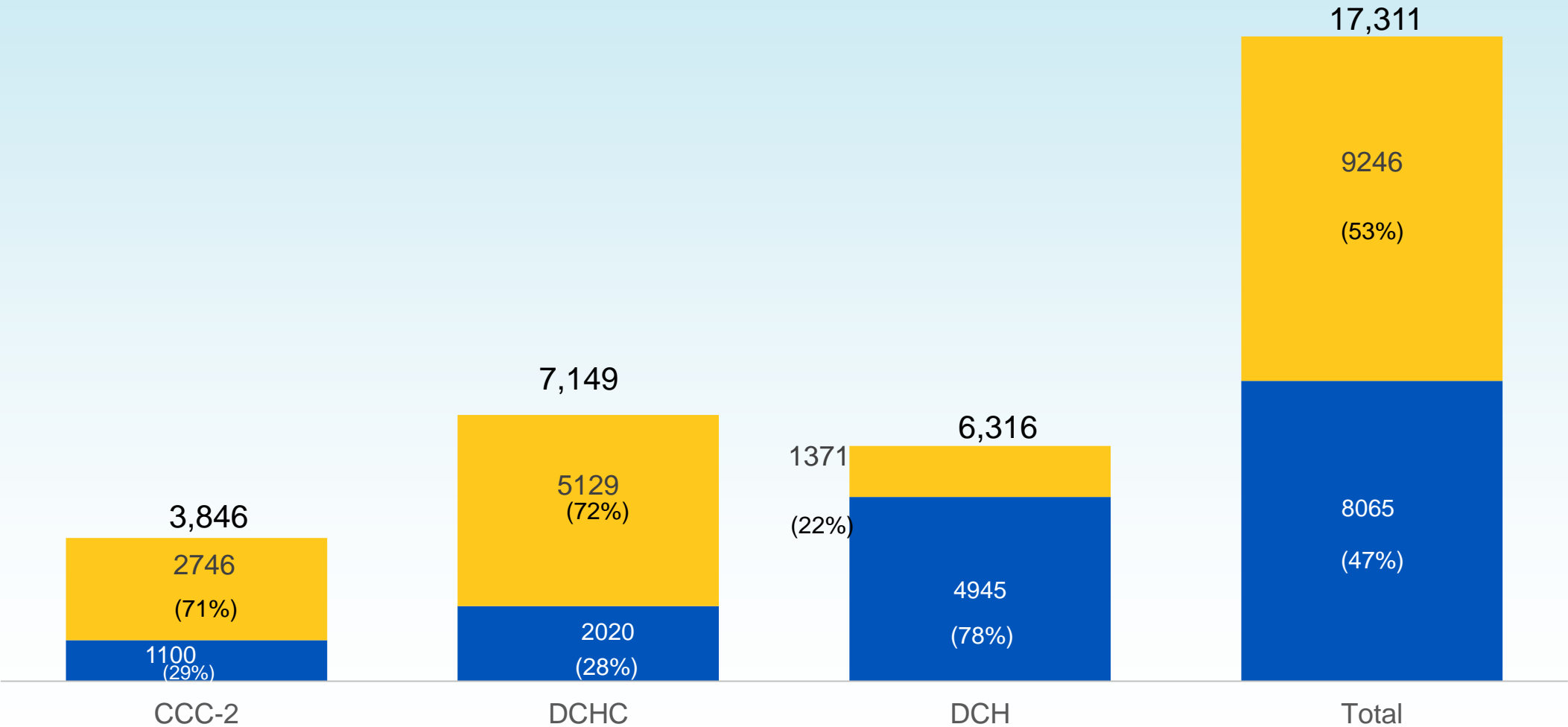
Source: "CCC2 line list"



# Summary of total bed capacity

As of Aug 20, 2020

On bed patients Available capacity



# Covid19 Bed Management

Data as on 01:00 PM, Aug 21, 2020 , Subject to change

Covid Beds	Capacity	Occupancy	Vacancy
<b>Total</b>	<b>13,465</b>	6,965	<b>6,500</b>
ICU Beds	1,431	1,194	237
Regular	1,387	1,163	224
Modular	10	9	1
Pediatric ICU	12	6	6
Neonatal ICU	22	16	6
Normal Beds	12,034	5,771	6,263
Quarantine for Suspect	991	525	466
Isolation for Positives	10,586	5,045	5,541
Pregnancy	290	72	218
Others (Cancer + Dialysis)	167	129	38
<i>O2 Beds*</i>	8,894	4,439	4,455
<i>Ventilators*</i>	912	778	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 21, 2020 , Subject to change

			COVID Beds				
			Total	ICU Beds	Normal Beds	O2 Beds*	Ventilators*
Capacity	Total		13,465	1,431	12,034	8,894	912
	Public	Hospitals	5,085	651	4,434	2,921	516
		Jumbo	6,057	244	5,813	4,507	120
	Pvt	Hospitals	2,313	536	1,777	1,466	276
Occupancy	Total		6,965	1,194	5,771	4,439	778
	Public	Hospitals	3,559	601	2,958	2,228	481
		Jumbo	1,578	129	1,449	1075	41
	Pvt	Hospitals	1,828	464	1,364	1,136	256
Vacancy	Total		6,500	237	6,263	4,455	134
	Public	Hospitals	1,526	50	1,476	693	35
		Jumbo	4,489	115	4,374	3,432	79
	Pvt	Hospitals	485	72	413	330	20

Source: DMU dashboard;

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

Data subject to change after scrutiny and ongoing verification process



## Key Trends

Contact tracing and home quarantine

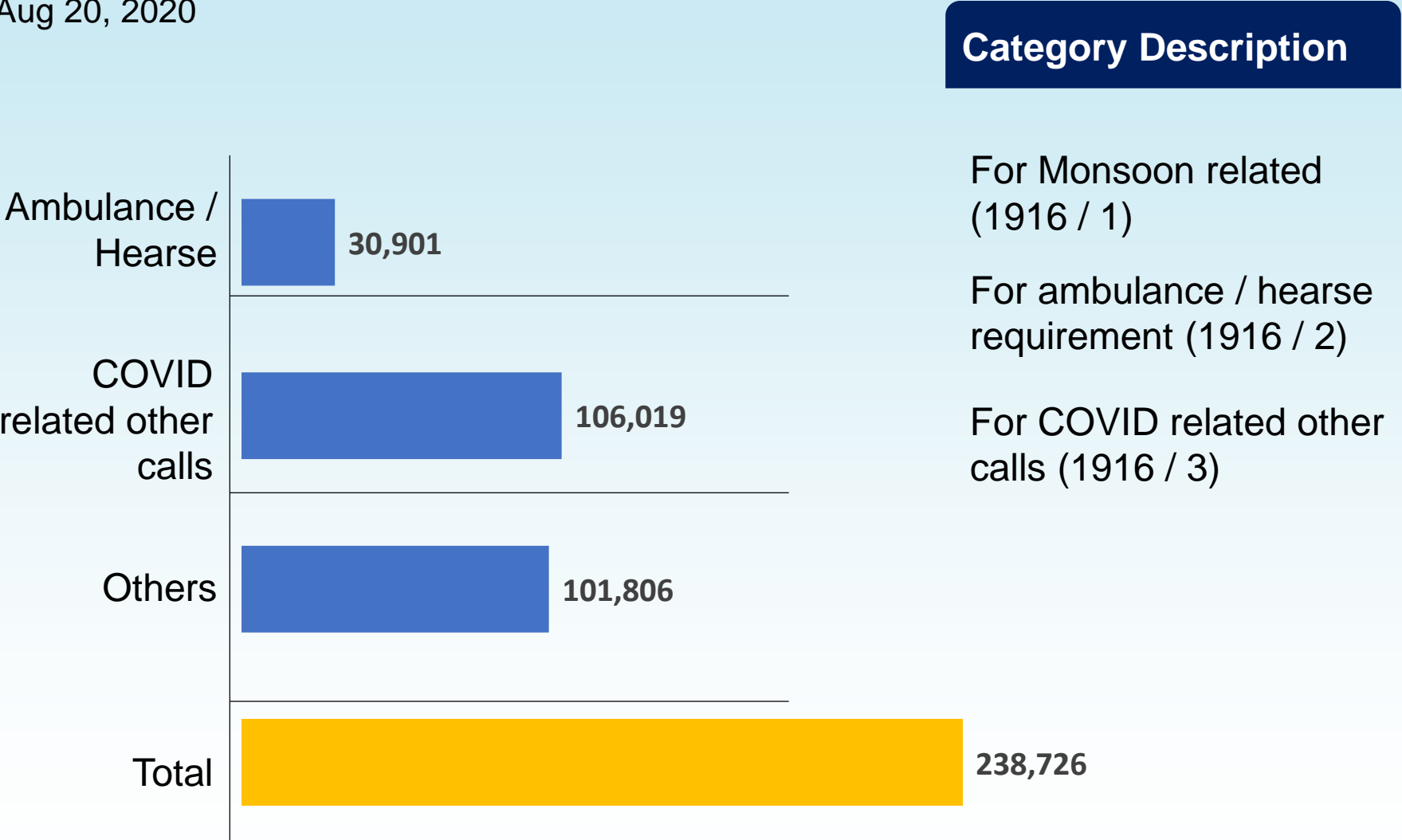
Status of COVID19 Positive Cases

Bed Capacity

**Other initiatives**

# Call Center update

For all calls received from April 24 to Aug 20, 2020



# Management of Waste from Quarantined Areas

## August 19, 2020



### Waste Collected (in Kgs)

COVID BMW (in Kgs)  
**19,17,072**

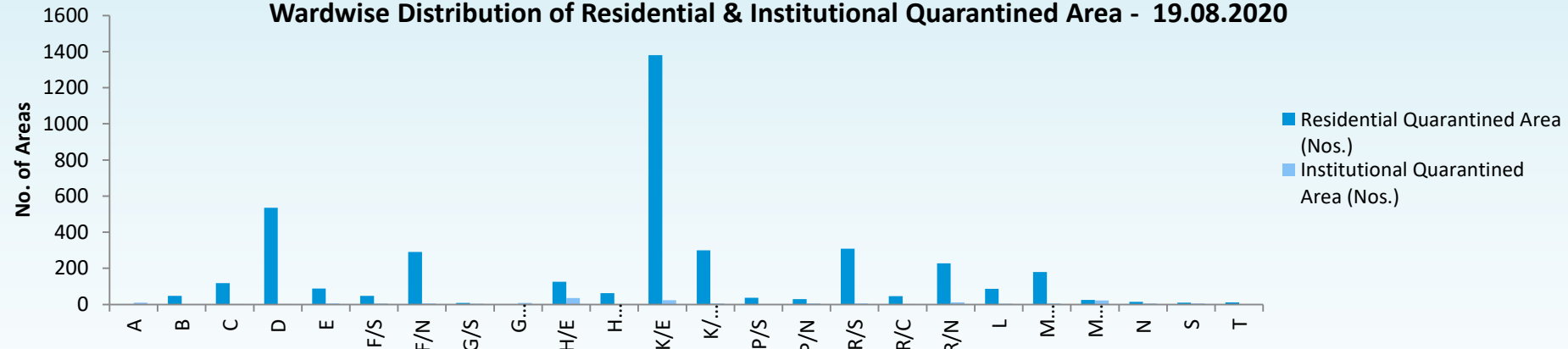
MCGM Quarantine BMW (in Kgs)  
**3017**

Total BMW (in Kgs):  
**1,920,089**

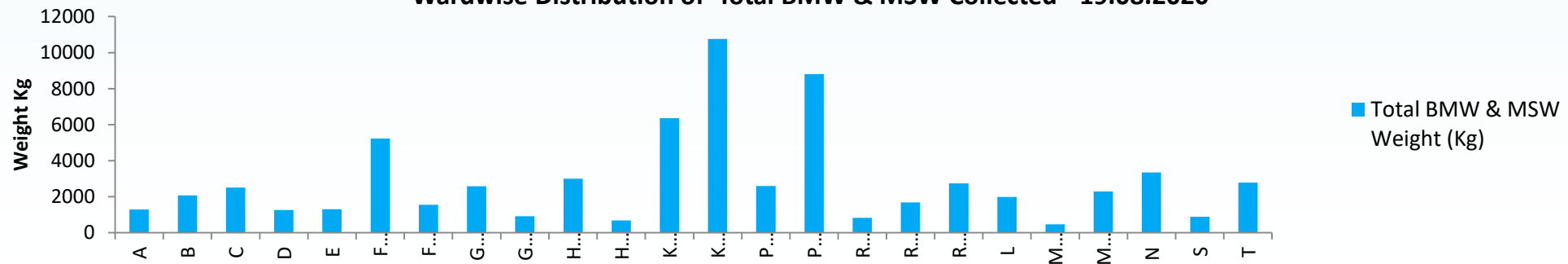
Total MSW Collected by MCGM from Quarantined Area (in Kgs):  
**64,760**

Total MSW & BMW Collected by MCGM from Quarantined Area (in Kgs):  
**1,984,849**

### Wardwise Distribution of Residential & Institutional Quarantined Area - 19.08.2020



### Wardwise Distribution of Total BMW & MSW Collected- 19.08.2020





# Thank you

