

# BMC Covid-19 Response War Room Dashboard

Sep 23, 2020



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# Mumbai COVID19 status at a glance

As of Sep 22, 2020

COVID19 Case Analysis		COVID19 Bed Management (As on 02:30 PM, Sep 23, 2020)		CCC1 Facilities			Contact Tracing	Past 24hrs	Cumulative
Total Positive	1,87,778	Bed Capacity (DCHC+DCH+CCC2)	17,663	Facilities (#)	Bed Capacity	Occupancy	Total Traced	20,764	28,38,858
		Occupied	11,442				High Risk	10,938	11,01,363
Discharged	1,52,204	Available	6,221	Total	334	46,589	2,228	Low Risk	9,826
									17,37,495
Deaths	8,549	DCH & DCHC Bed Capacity	14,713	Active	43	17,757	2,228	Total Quarantine Completed	
Deaths with Age > 50yrs – 7,202)		Occupied	9,867	Buffer	16	2,273	-	Currently in Home Quarantine	4,30,108
		Available	4,846	Reserve <sup>#</sup>	275	26,559	-	Others	
Total Active	26,644	ICU Bed Capacity	1,923	CCC2 Facilities			Senior Citizens Screened till date		10,29,057
Stable – Asymptomatic	17,576	Occupied	1,720	Facilities (#)	Bed Capacity	Occupancy	Senior Citizens with SPO2 > 95		10,25,871
Stable - Symptomatic	7,655	Available	203	Total	181	23,739	1,605	Active Containment Zones – Slums & Chawls	633
Critical	1,413	O2 Bed Capacity	8,882	Active	24	2,978	1,605	Active Sealed Buildings	10,319
		Occupied	5,766	Buffer	13	2,265	-	Calls Centre Calls Flow	2,77,563
		Available	3,116	Reserve <sup>#</sup>	144	18,496	-		
Tests Done (till date)	10,35,440	Ventilator Bed Capacity	1,137	# Facilities that have been deactivated and can be used as per need					
% of Positive (till date)	18.14	Occupied	1,030						
		Available	107						
Ward wise positive cases									

## Ward wise positive cases

Wards	HW	RC	KW	RN	C	D	RS	FN	T	PS	MW	PN	A	KE	B	E	HE	N	S	ME	GS	GN	L	FS	Overall Mumbai
Positive Cases	5864	11724	11211	5364	2667	8344	9816	7180	8437	6633	5374	11153	4593	11044	1577	6947	6022	9299	9456	6051	7453	10093	7240	7971	
Days to double	39	45	48	50	52	54	56	57	58	59	60	61	63	64	67	67	68	69	70	74	76	83	83	84	61

1 Ward-wise break up is as on Sep 22, 2020, available for 1,81,513 cases

Data subject to change after scrutiny and ongoing verification process



## Key Trends

Contact tracing and home quarantine

Status of COVID19 Positive Cases

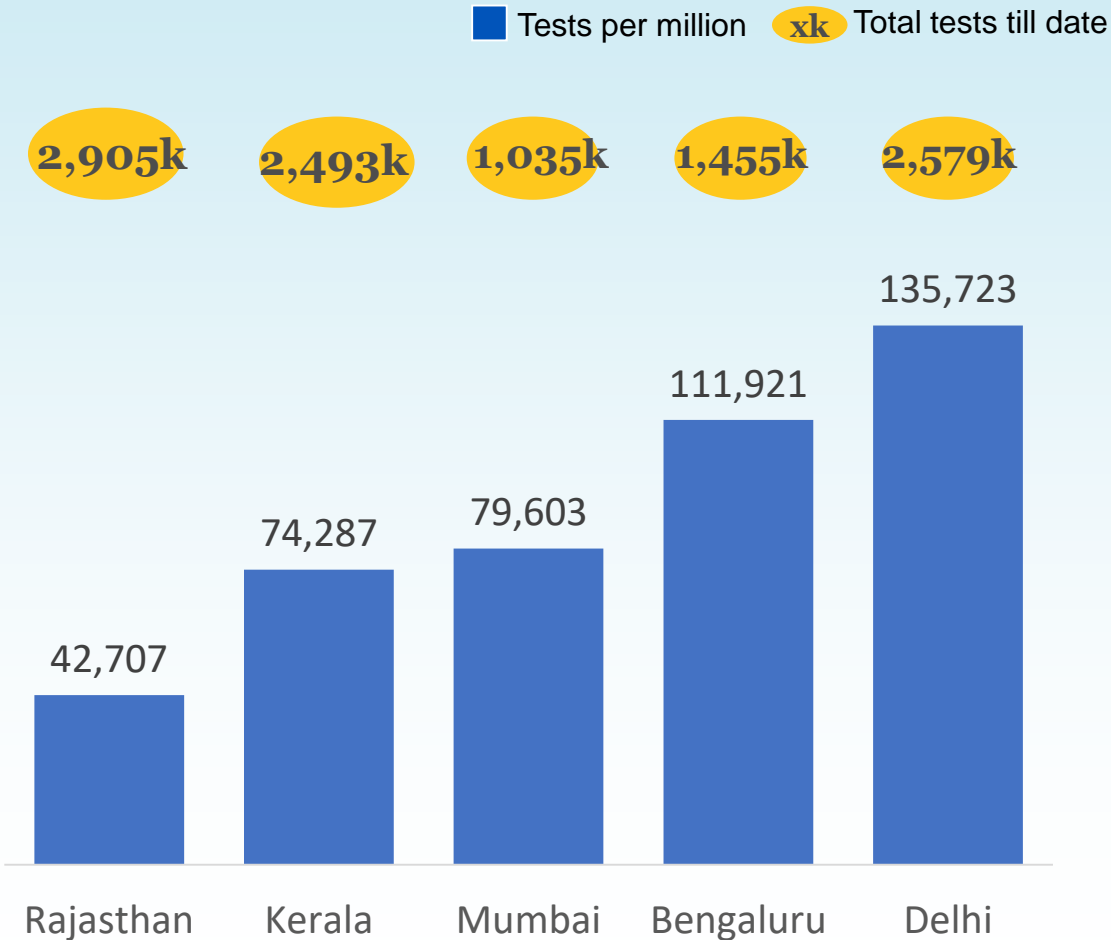
Bed Capacity

Other initiatives

# Tests/ million data for COVID-19

For all tests conducted from Feb 3, 2020 to Sep 22, 2020

## Tests per million



Source: Government COVID bulletins as of Sep 22 2020

\* Data as on Sep 21 2020

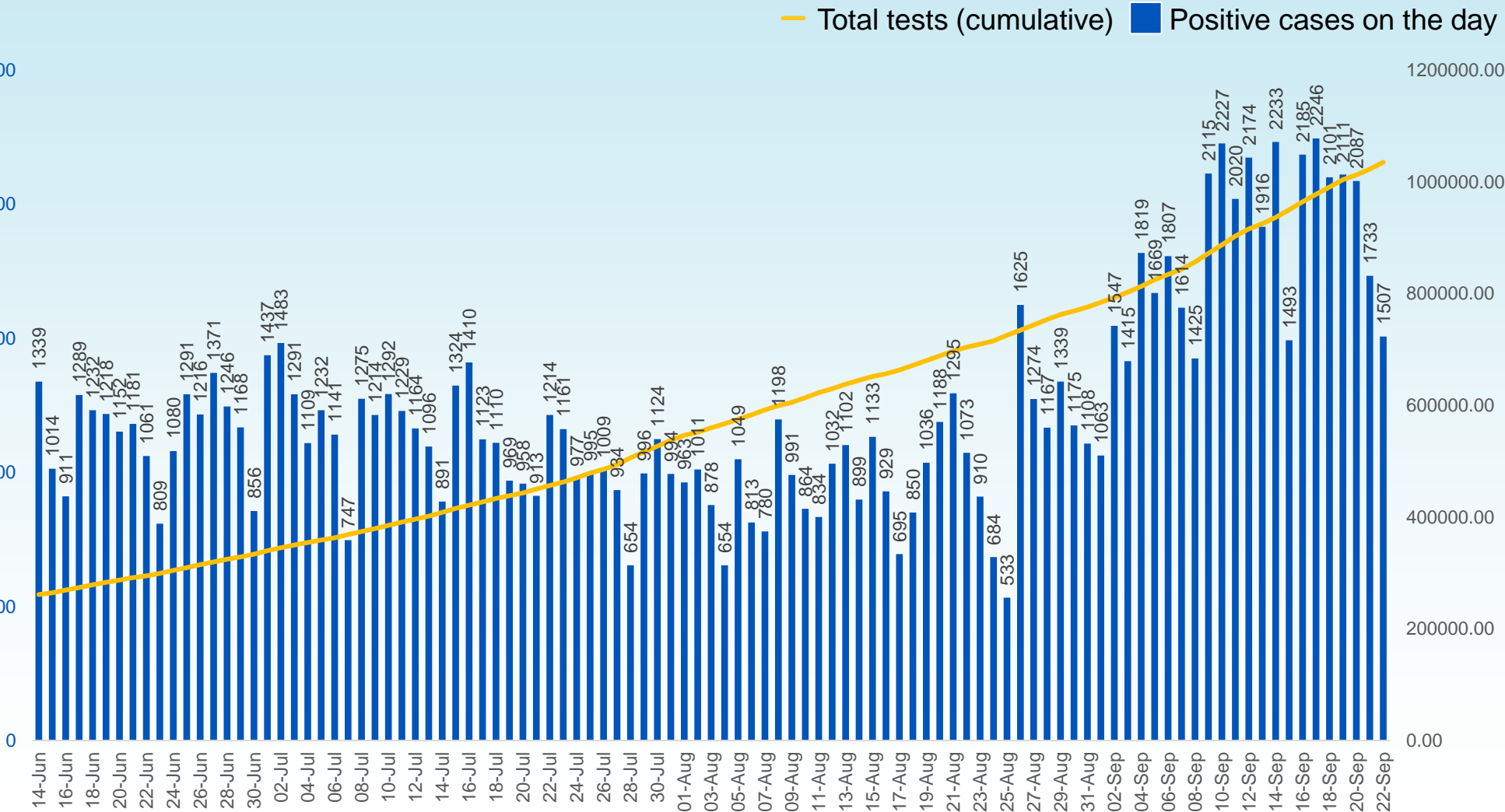
## Mumbai is one of the leading cities in tests per million compared to other cities

State	Cases	Tests	Tests per million
Bengaluru	200,728	1,454,967	111,921
<b>Mumbai</b>	<b>187,778</b>	<b>1,035,440</b>	<b>79,603</b>
Delhi*	249,259	2,578,737	135,723
West Bengal	231,484	2,879,278	31,912
Gujarat	126,007	3,921,338	63,247
Kerala	142,756	2,492,757	74,287
Maharashtra	124,270	6,114,501	49,487
Rajasthan	118,793	2,904,053	42,707
Tamil Nadu	552,674	6,640,058	198,877



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

Based on date of reporting, from Feb 03, 2020 to Sep 22, 2020



## Summary till date

1,87,778<sup>1</sup>

Total positive cases

10,35,440

Total tests conducted

18.14%

Positive cases as a % of total tests

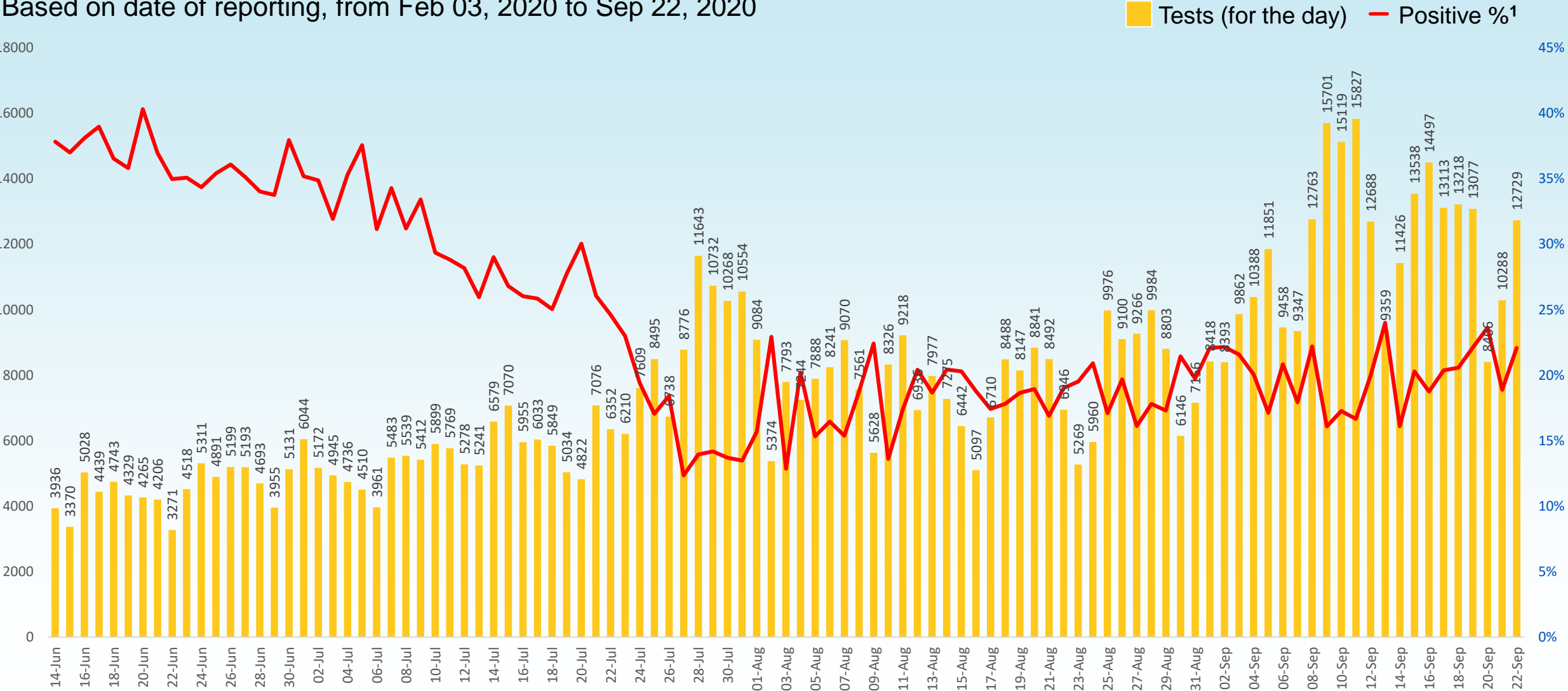
1 Total Positive cases as on Sep 22, Total cases as of Sep 22 as per line list is 1,81,513

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

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

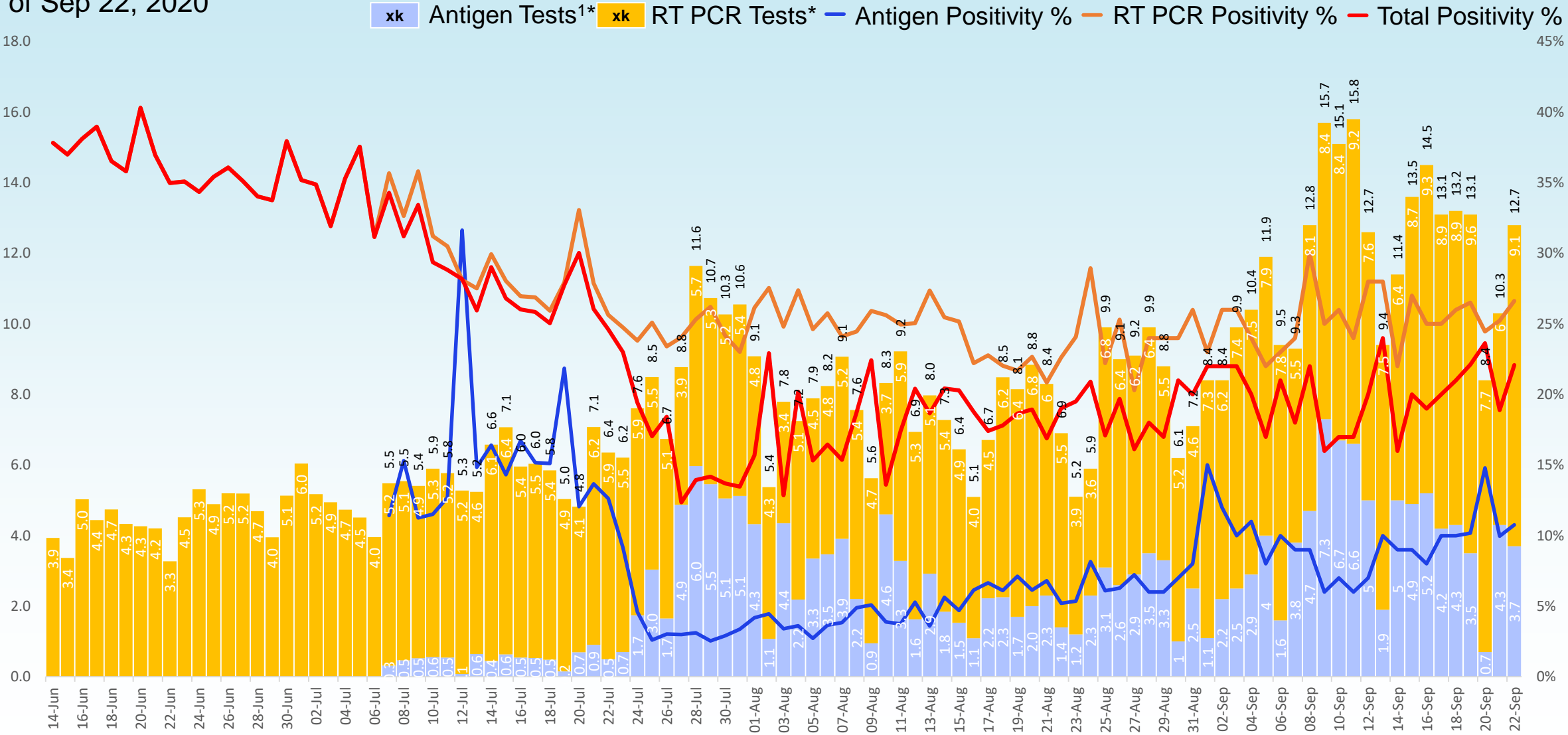
Based on date of reporting, from Feb 03, 2020 to Sep 22, 2020



¹Positive samples for the day as a % of total tests for the day;  
 Positive Samples include duplicates with ICMR (~12%) and Out of Mumbai Cases (3%)  
 Source: Covid-19 daily update by the Public Health Department, BMC

# Trend of positive cases vis-à-vis Tests

As of Sep 22, 2020

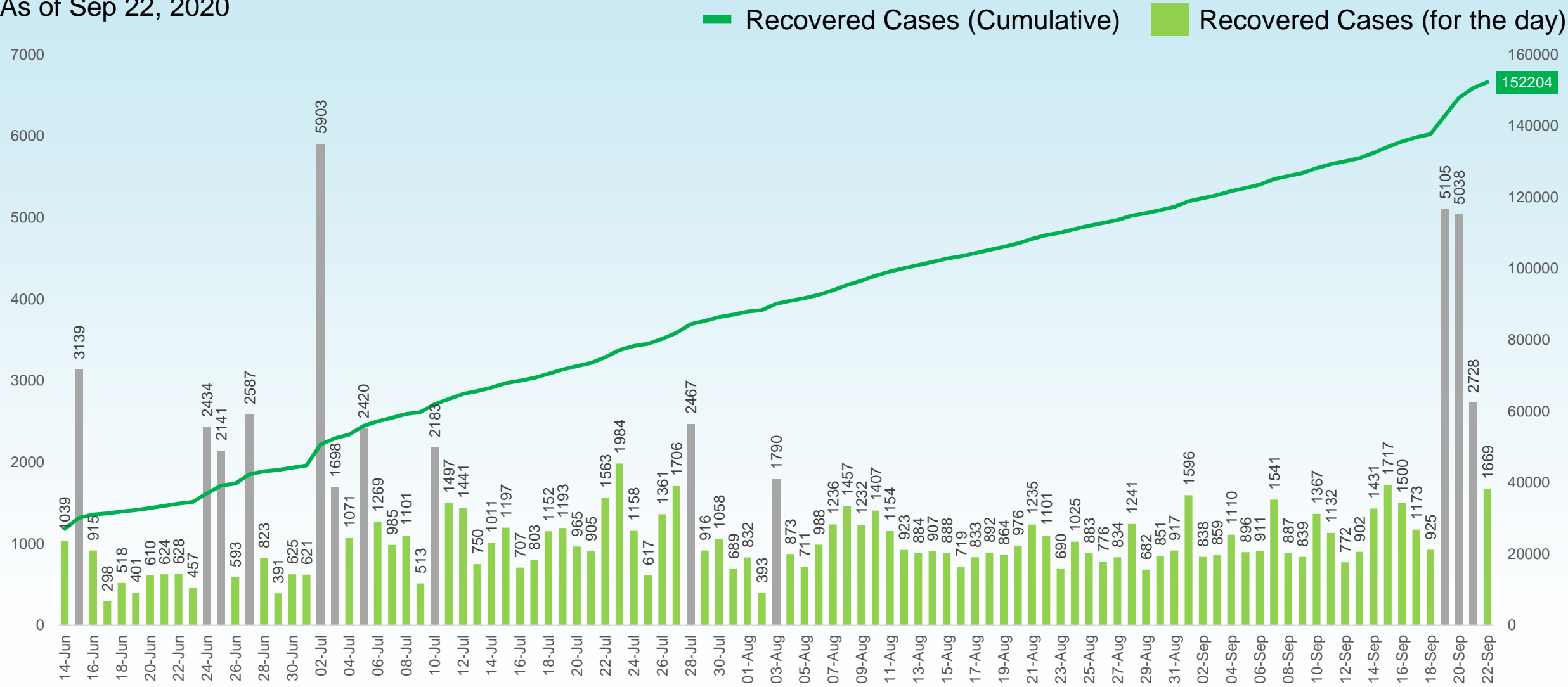


<sup>1</sup>Data for Antigen tests is available from Jul 07 onwards

\*The tests data is in thousands

# Trend of Recovered Cases

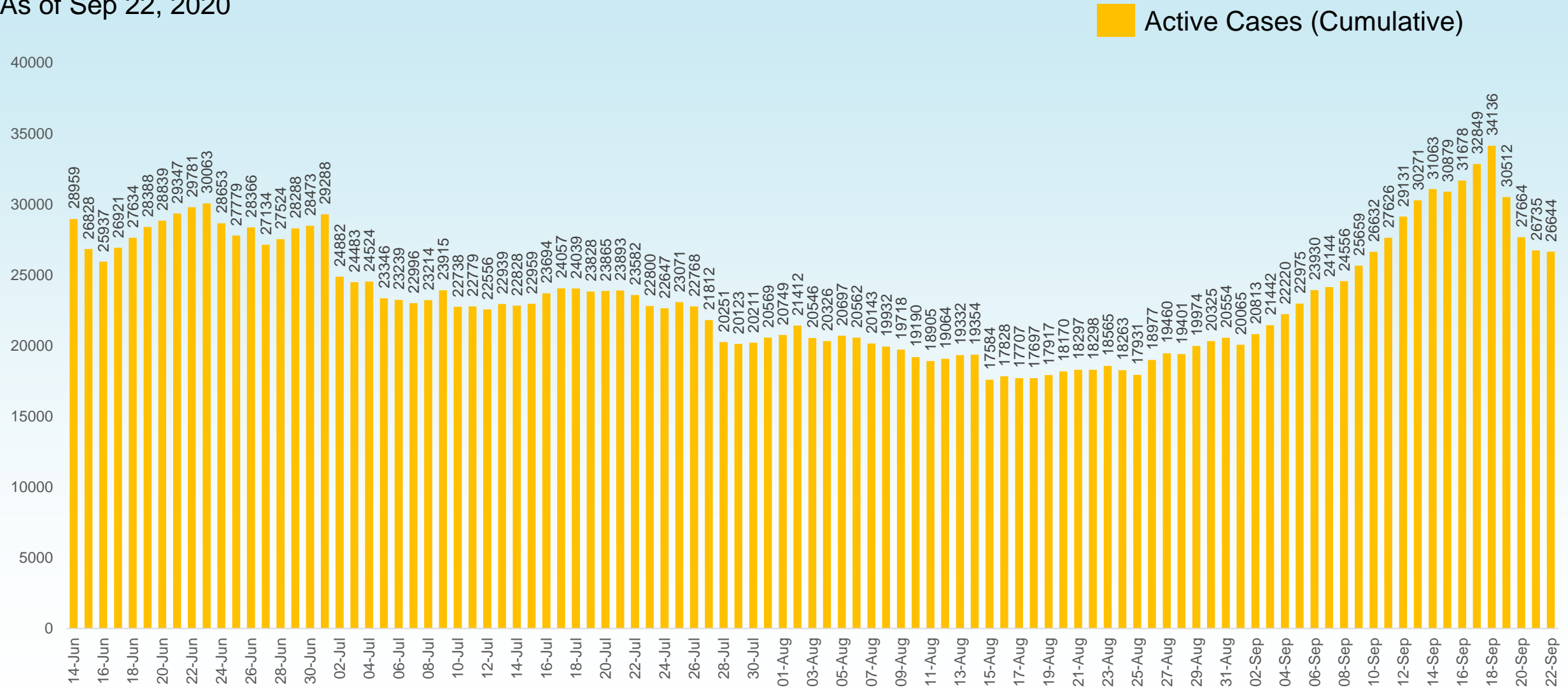
As of Sep 22, 2020





# Trend of Active Cases

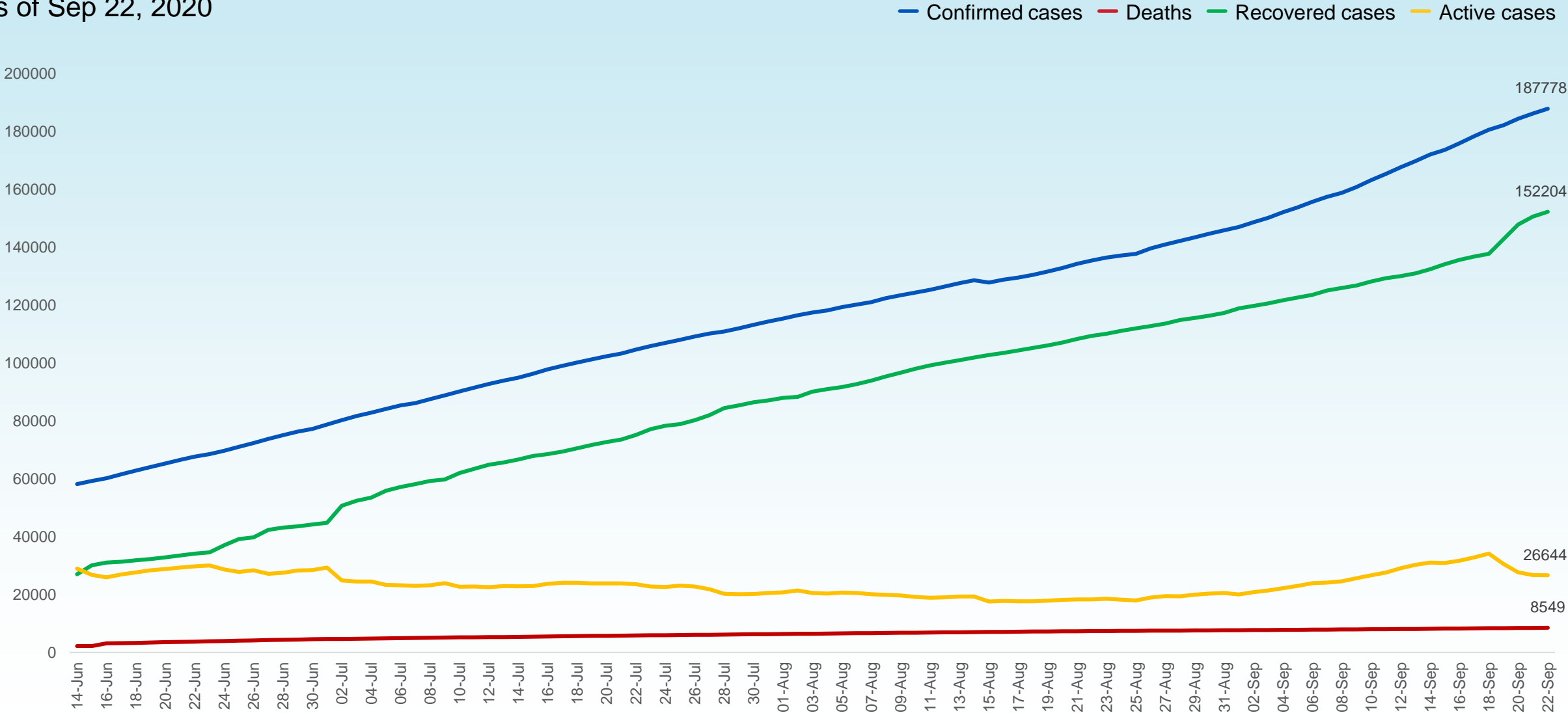
As of Sep 22, 2020





# Case summary for Mumbai

As of Sep 22, 2020





## Key Trends

**Contact tracing and home quarantine**

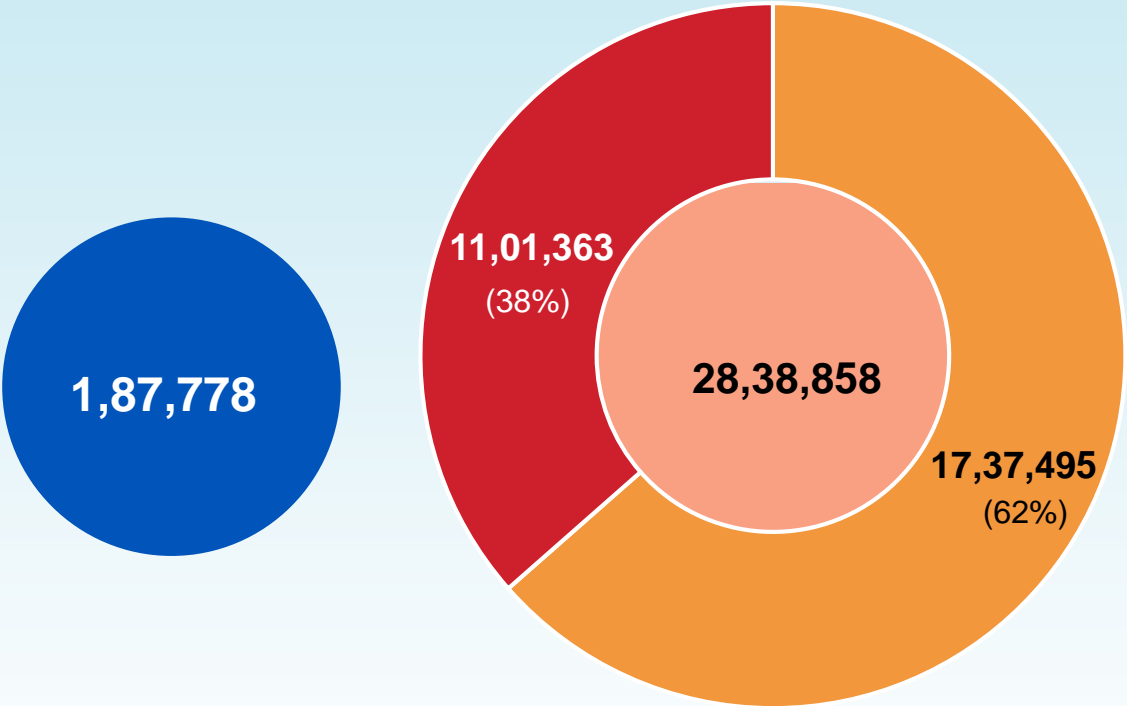
Status of COVID19 Positive Cases

Bed Capacity

Other initiatives

# Update on contact tracing

Summary as of Sep 22, 2020



Positive patients

Contacts traced

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

**24,06,522**

Completed quarantine

**4,30,108**

In home quarantine,

**2,228**

Currently at institutional quarantine facilities

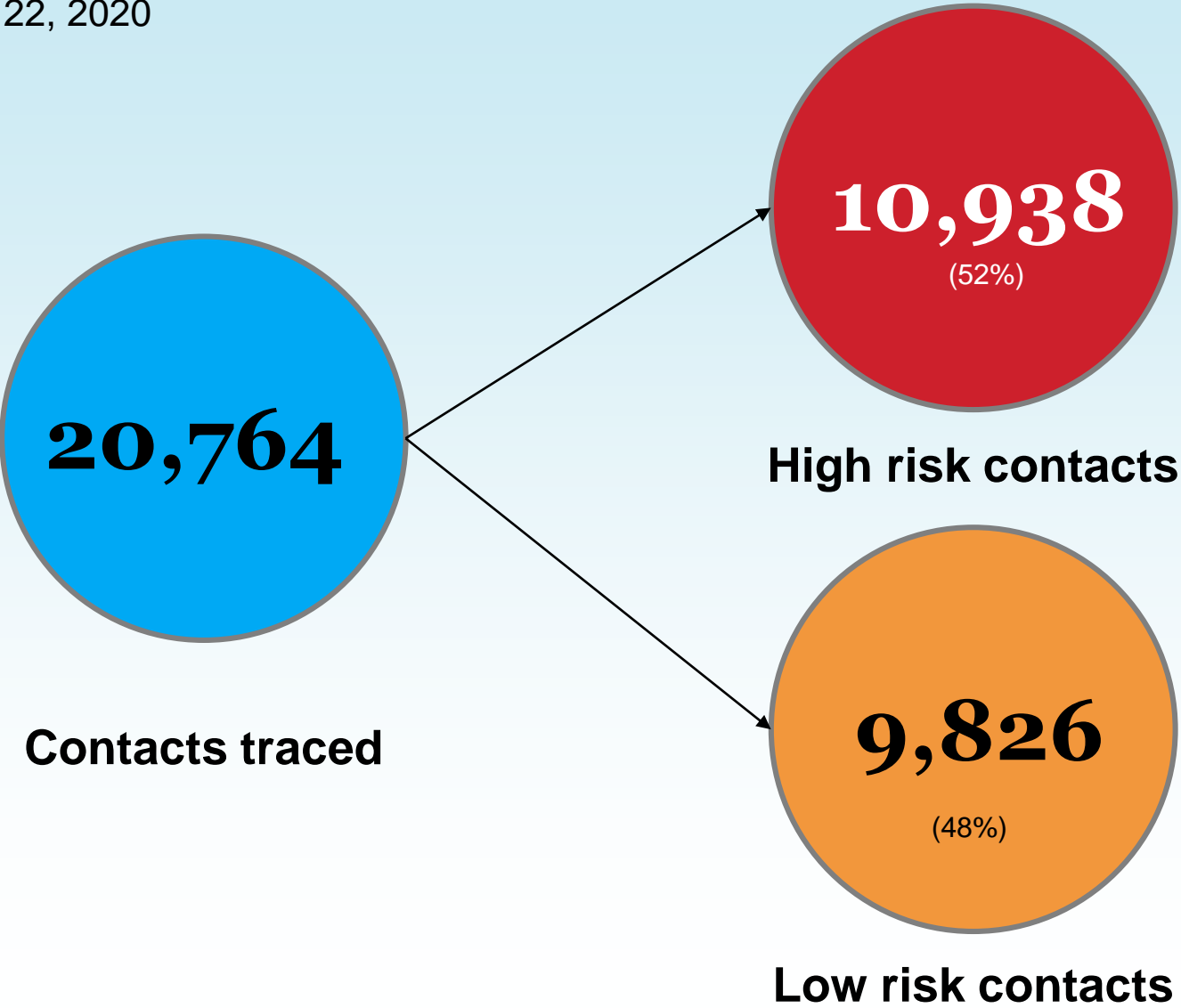
**1,53,946**

Shifted to institutional quarantine facilities till date

Source: Quarantine numbers from BMC Contact Tracing Report as on Sep 22, 2020; shift to Institutional facilities from "CCC1 and CCC2 Facilities"

# Contact tracing report for last 24 hours

Summary as of Sep 22, 2020



Source: Quarantine numbers from BMC Contact Tracing Report as on Sep 22, 2020; shift to Institutional facilities from "CCC1 and CCC2 Facilities"

Data subject to change after scrutiny and ongoing verification process





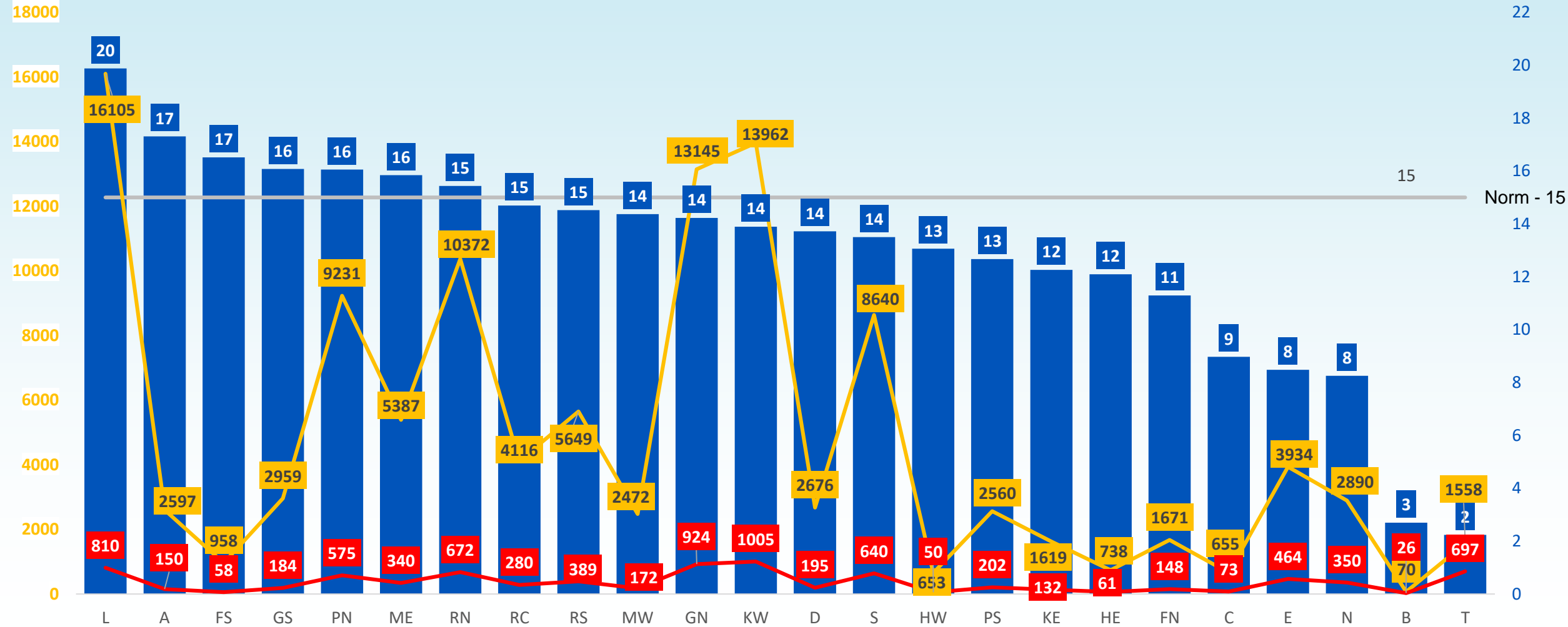
# Chase the virus: High Risk Contacts for Index Cases in Slums

As of Sep 22, 2020<sup>1</sup>

Positive cases from slums (Not being high risk contacts of earlier cases)<sup>(1)</sup>  
Total – 8,597

No of high risk contacts sent to institutional facilities  
Total – 1,14,617

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



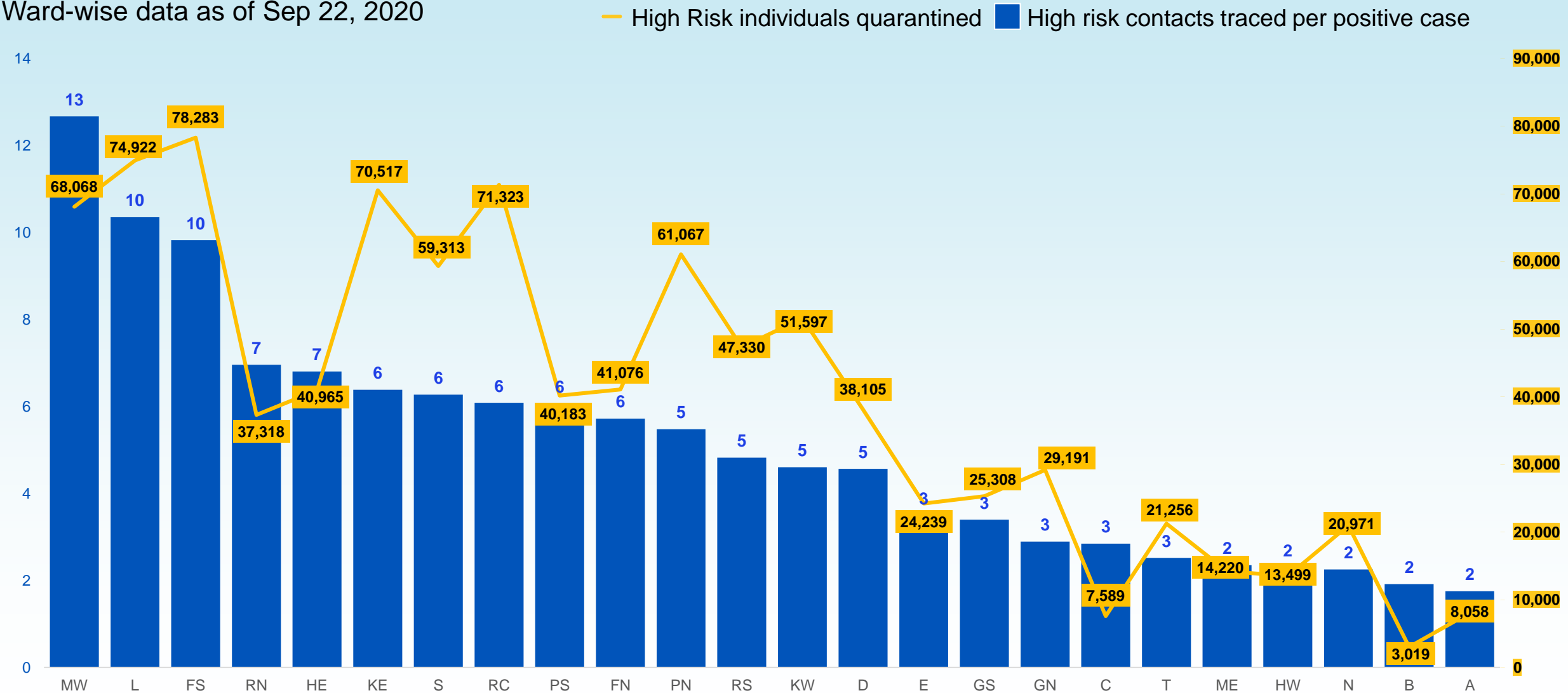
<sup>1</sup> Data since June 03, 2020; Source – Operation – Chase the virus

Data subject to change after scrutiny and ongoing verification process

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

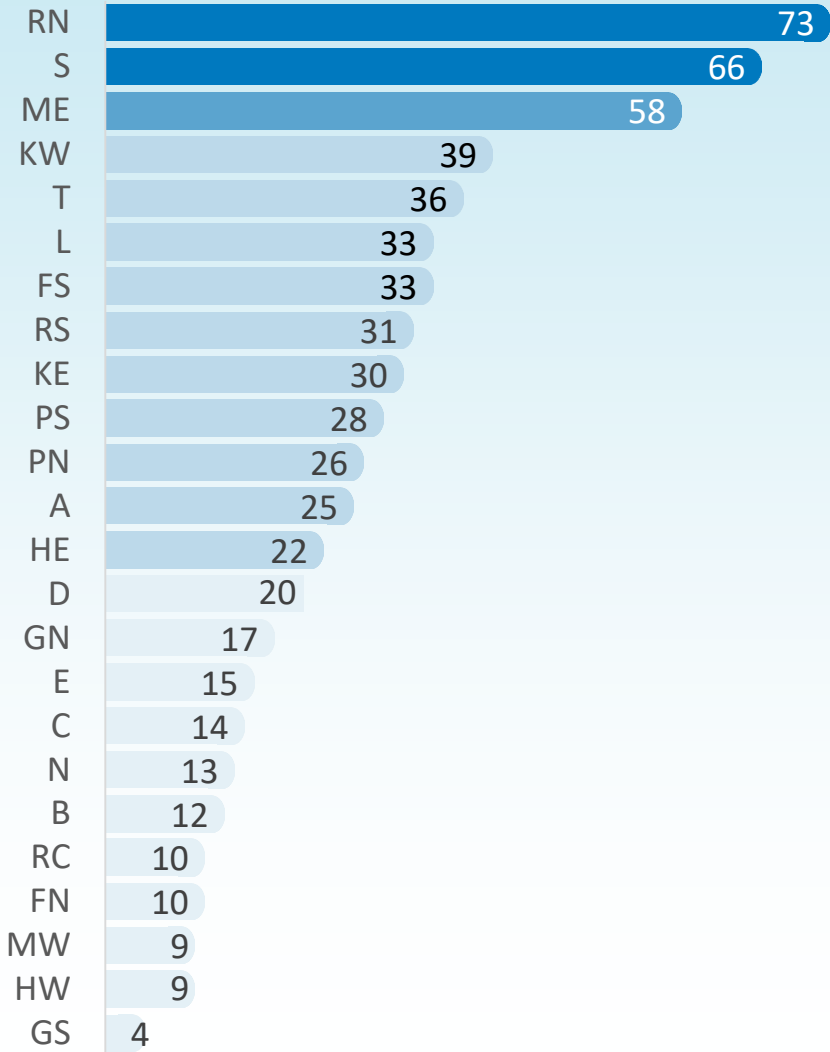
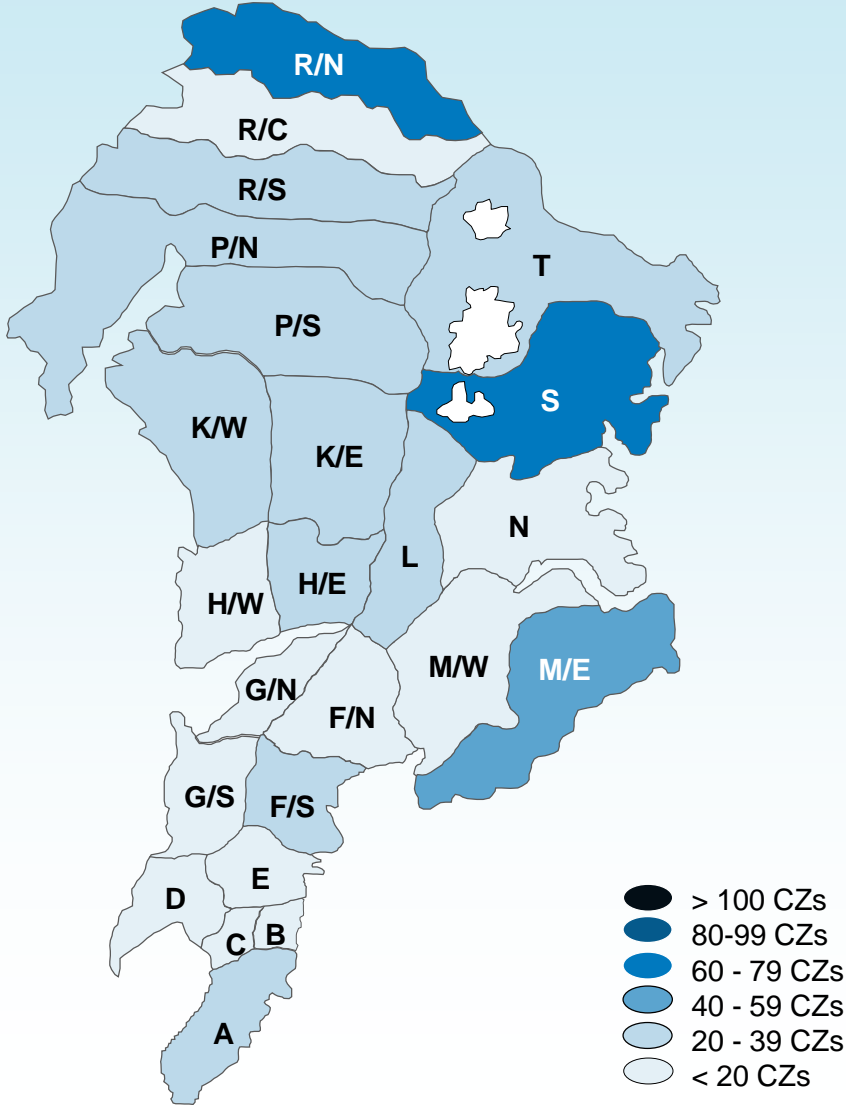


Ward-wise data as of Sep 22, 2020



# Ward-wise containment zones – slums and chawls

As of Sep 22, 2020



**633**
*Active*

Containment Zones

**8.1**
*lacs*

No. of Households

**34.9**
*lacs*

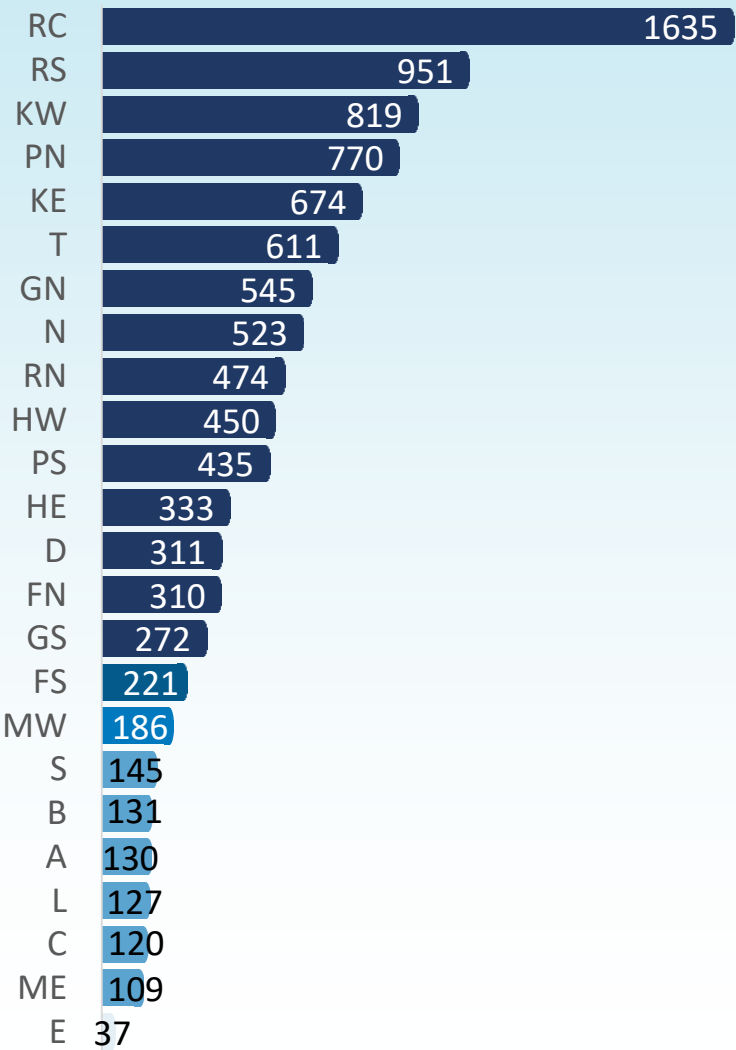
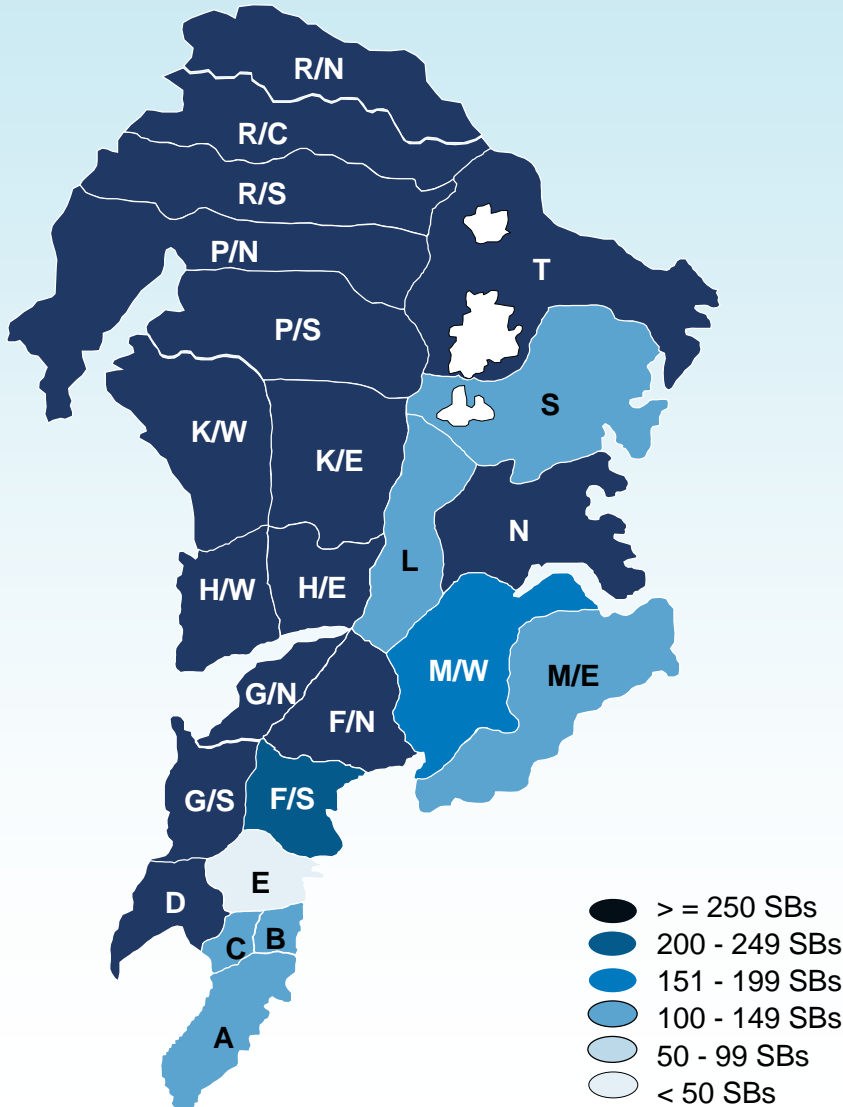
Population

**1,048**
*Released*

Containment Zones

# Ward-wise sealed buildings

As of Sep 22, 2020



10,319
Active Sealed Buildings

2.9 lacs
No. of Households

11.6 lacs
Population

26,426
Released Sealed Buildings



Key Trends

Contact tracing and home quarantine

**Status of COVID19 Positive Cases**

Bed Capacity

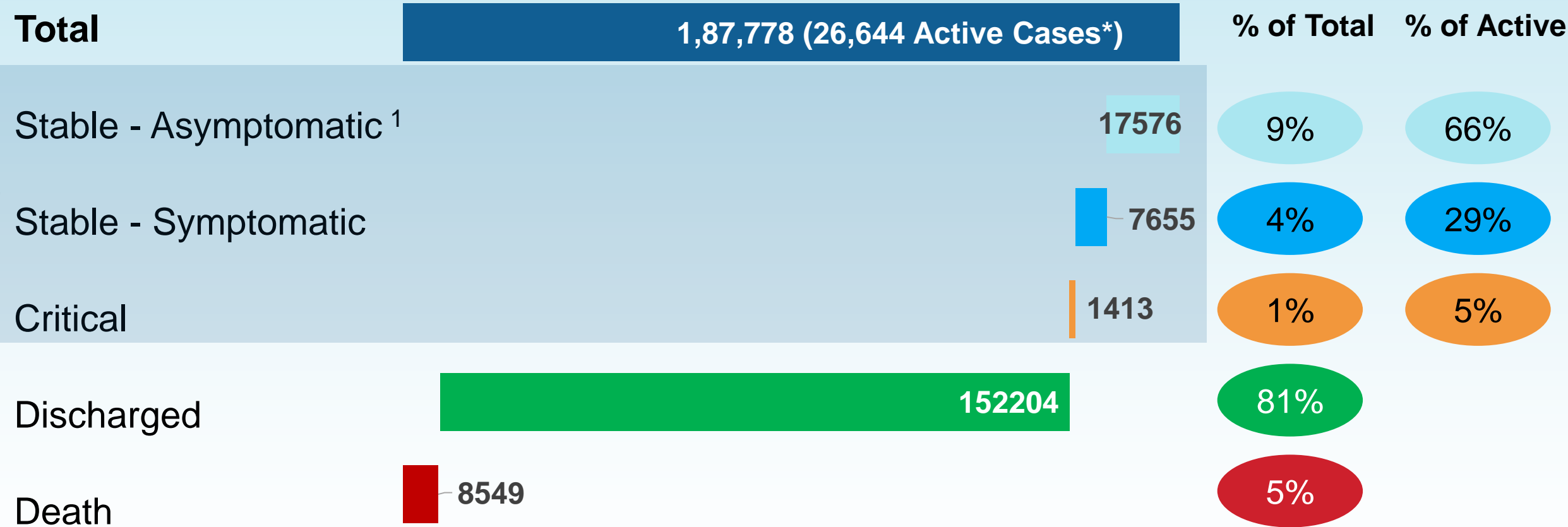
Other initiatives





# Case summary for Mumbai

As of Sep 22, 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 (5,696 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

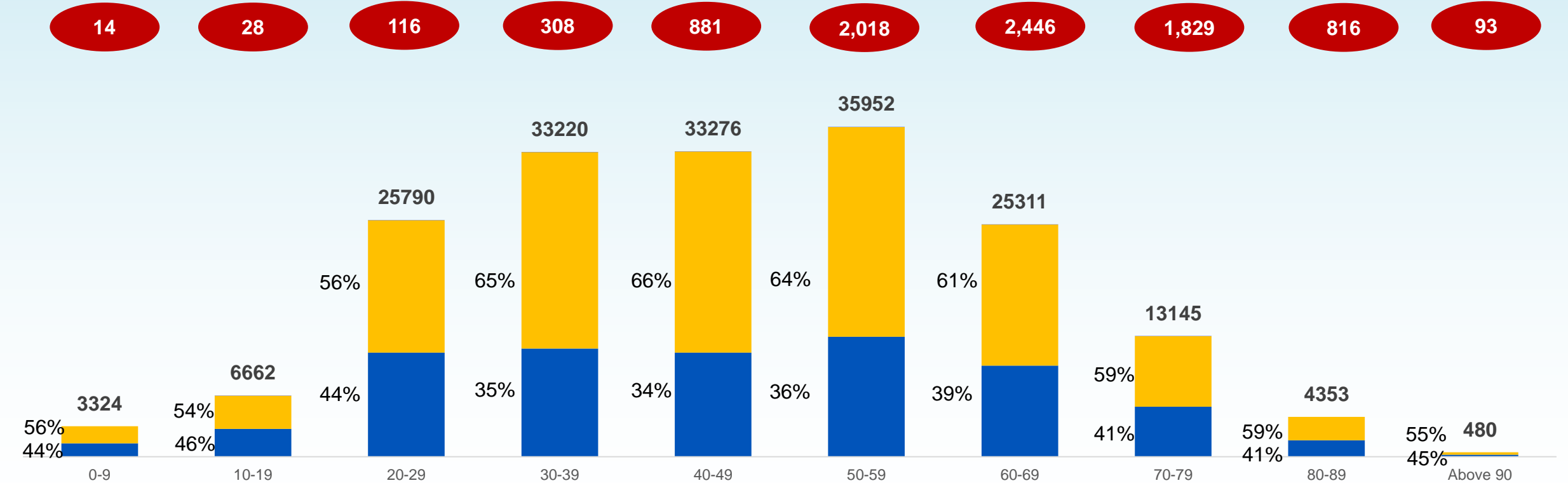
As of Sep 22, 2020<sup>1</sup>

■ Female 
 ■ Male 
 ■ Others  
● Deaths

Total Positives  
**1,87,778<sup>2</sup>**

Total Deaths  
**8,549<sup>2</sup>**

Fatality Rate  
**4.55%**



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

1 Total Age and sex-wise break up is available 1,81,513 cases; age-wise breakup of deaths available for 8,549 cases

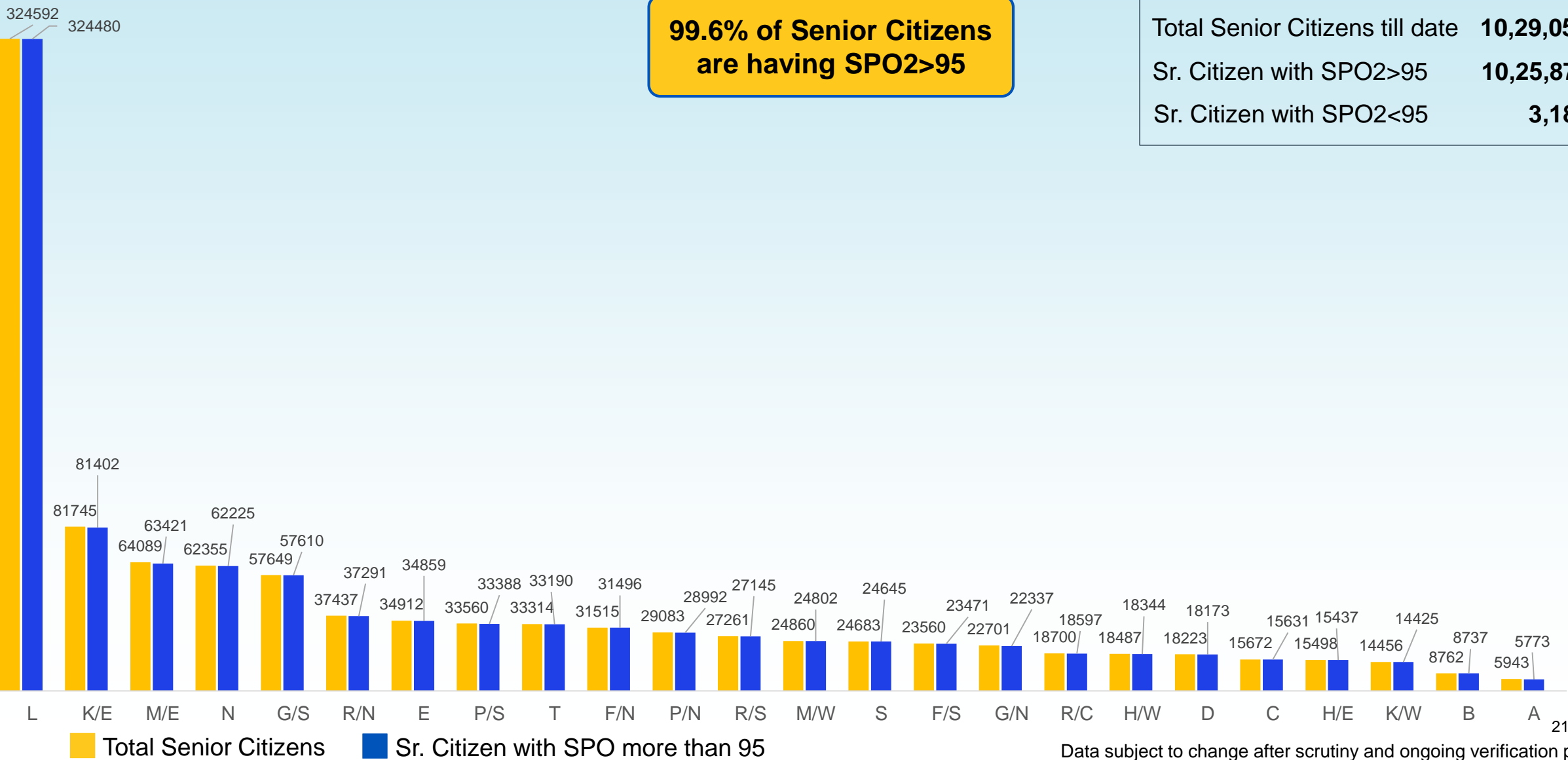
2 As on Sep 22

Data subject to change after scrutiny and ongoing verification process



# Proactive screening of elderly to protect them and contain mortality

Ward-wise data(progressive) till Sep 19, 2020



Population Screened till date	1,82,68,952
Total Senior Citizens till date	10,29,057
Sr. Citizen with SPO2>95	10,25,871
Sr. Citizen with SPO2<95	3,186

# Proactive screening of elderly to protect them and contain mortality

Ward-wise data for Sep 19, 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>	18,690	68,438	2,170	2,170	0
A	0	0	0	0	0
B	315	1,210	26	26	0
C	476	1,975	53	53	0
D	370	1,401	110	110	0
E	1,554	6,650	315	315	0
F/S	852	2,860	223	223	0
F/N	284	1,605	179	179	0
G/S	2,113	7,310	197	197	0
G/N	1,764	6,113	114	114	0
H/E	0	0	0	0	0
H/W	389	1,106	89	89	0
K/E	0	0	0	0	0
K/W	344	1,430	32	32	0
P/S	1,018	3,174	38	38	0
P/N	1,589	7,956	132	132	0
R/S	0	0	0	0	0
R/C	0	0	0	0	0
R/N	5,509	18,335	235	235	0
L	0	0	0	0	0
M/E	319	1,401	98	98	0
M/W	928	2,749	207	207	0
N	0	0	0	0	0
S	782	2,929	71	71	0
T	84	234	51	51	0

Summary till date

**1,82,68,952<sup>\*</sup>**

Total Population covered till date

**10,29,057**

Senior Citizens covered till date

**10,25,871**

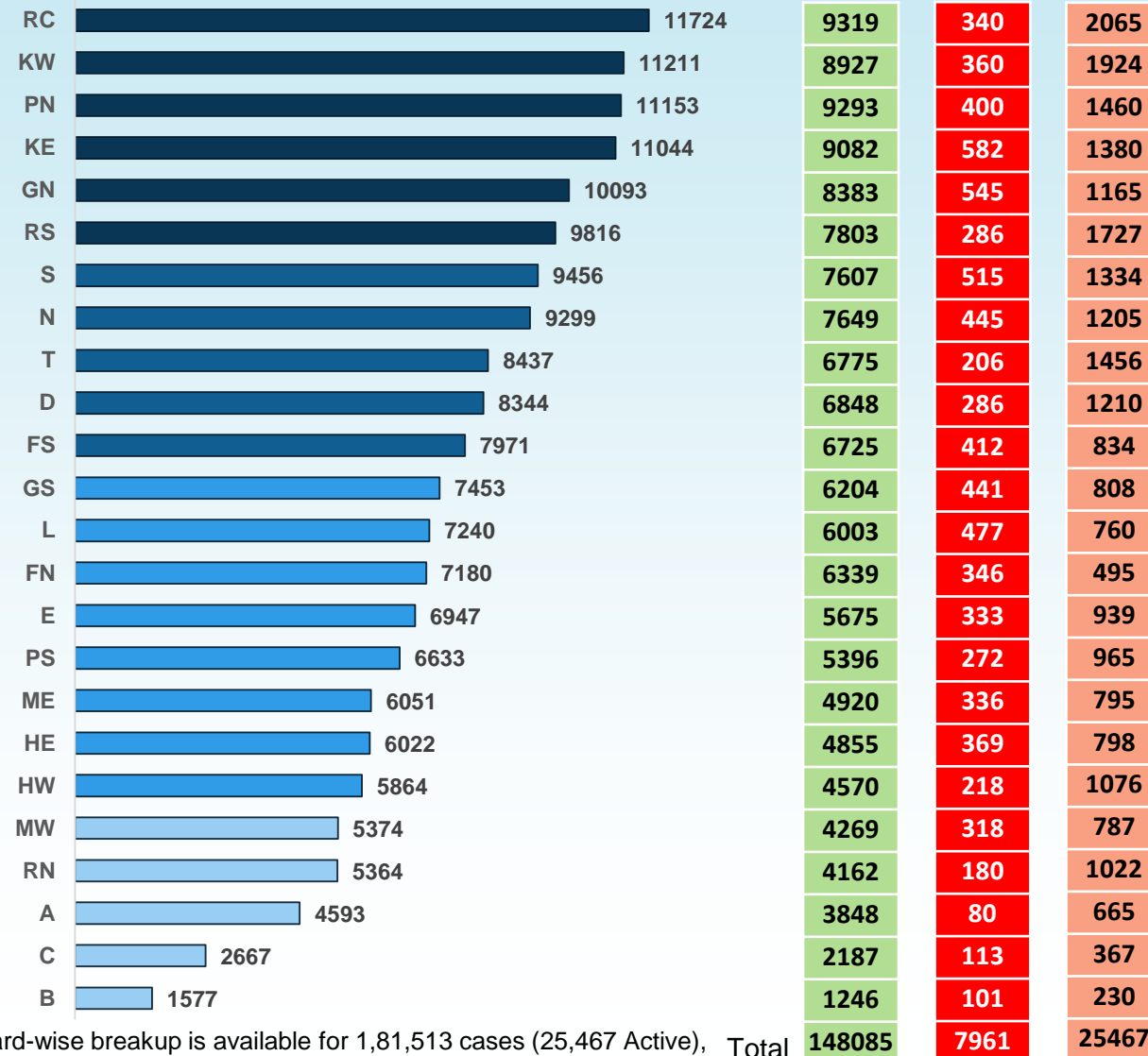
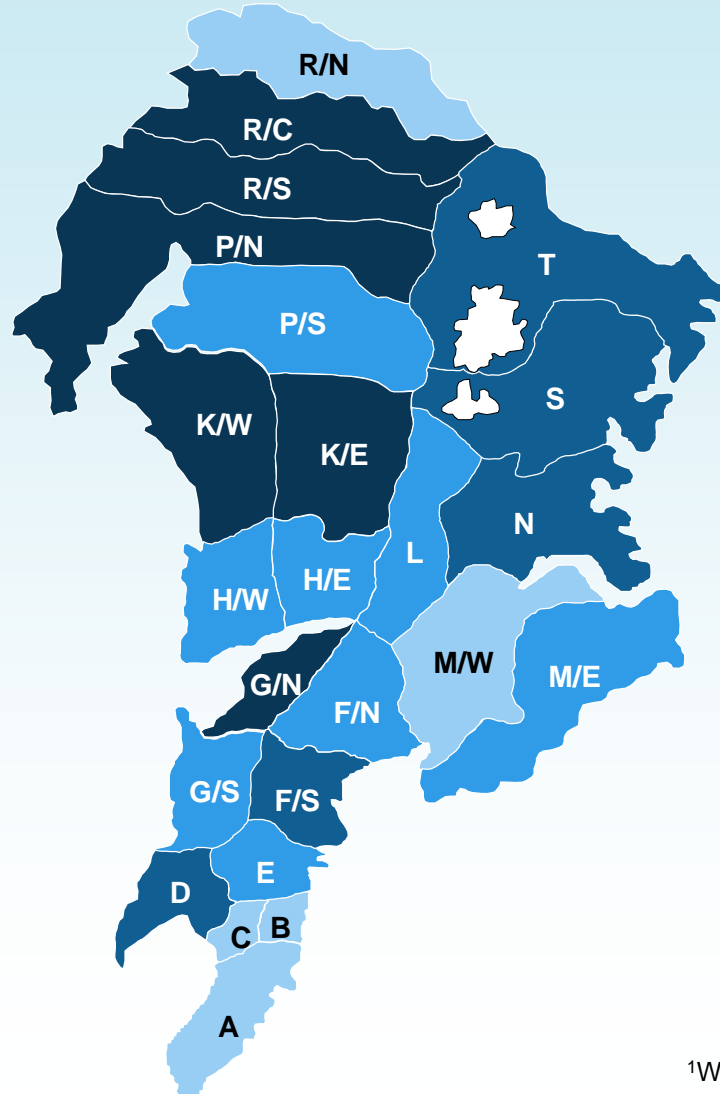
Senior Citizens with SPO2>95  
till date

**3,186**

Senior Citizens with SPO2<95  
till date

## Ward-wise breakdown of positive cases

As of Sep 22, 2020



- $\geq 9501$  cases
- 7501 – 9500 cases
- 5501 – 7500 cases
- 0 – 5500 cases

- Discharged<sup>2</sup>
- Deaths<sup>3</sup>
- Active

**Total Positives**  
**1,87,778<sup>1</sup>**

Total Active  
**25,467<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 1,81,513 cases (25,467 Active), Total

<sup>2</sup>Discharges as on Sep 22, Available for 1,48,085 cases,

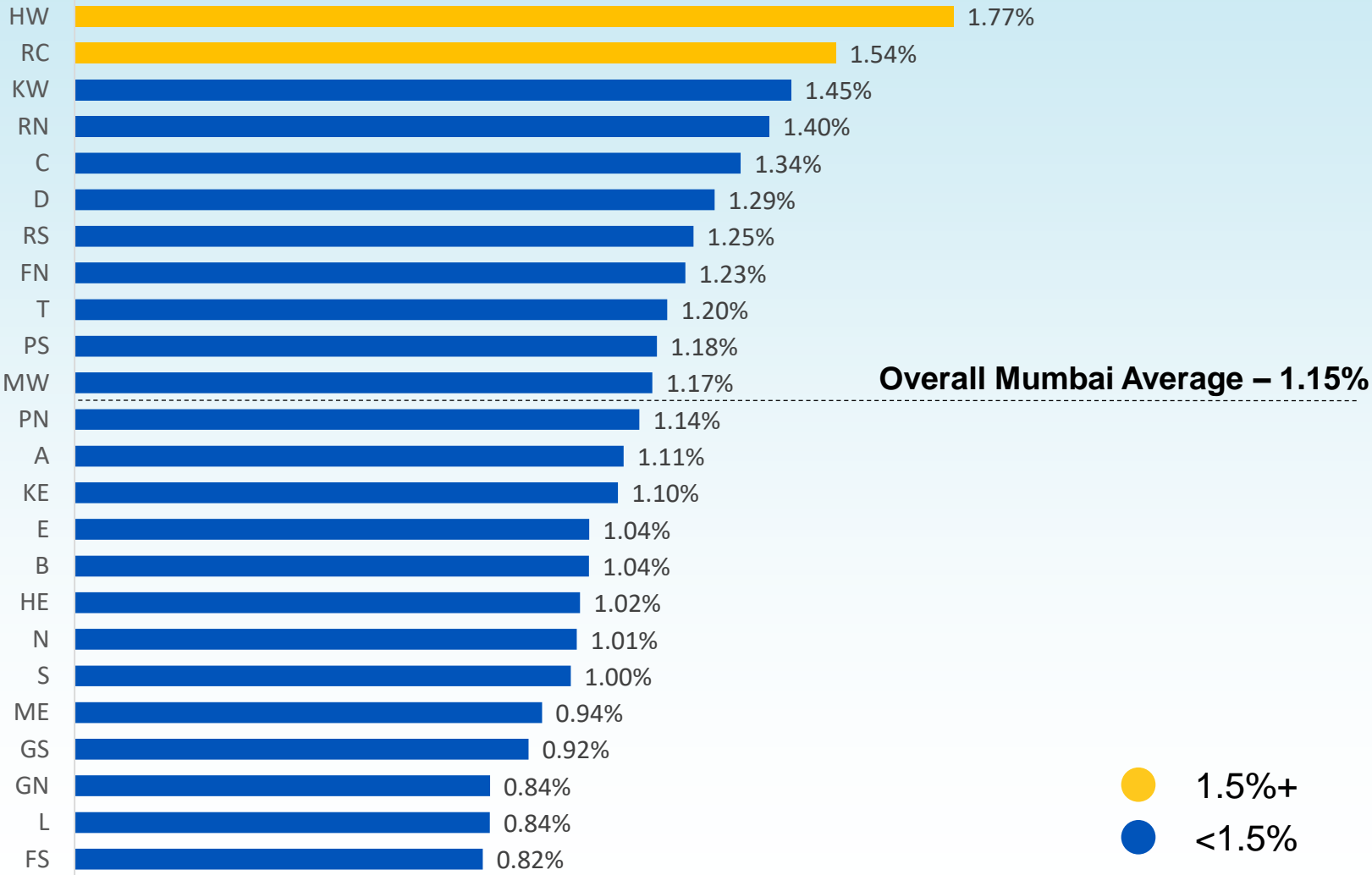
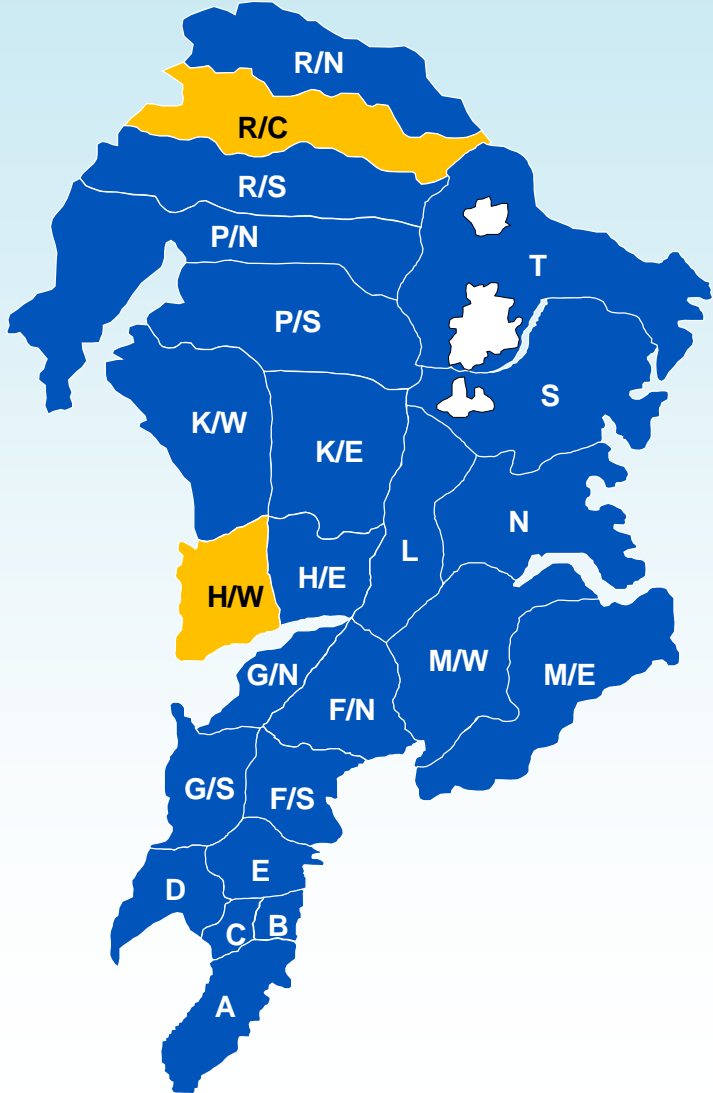
<sup>3</sup>Deaths as on Sep 22, Available for 7,961 cases

Ward wise reconciliation for Discharged, Deaths and Active is on going<sup>23</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 Sep 22, 2020



# Ward-wise new cases

Positive cases for the last 7 days till Sep 22, 2020<sup>1</sup>

Date of report	HW	RC	KW	RN	C	D	RS	FN	T	PS	MW	PN	A	KE	B	E	HE	N	S	ME	GS	GN	L	FS	Grand Total
Area>>>	Bandra	Borivali	Andheri W	Dahisar	Marine Lines	Grant Road	Kandivali	Matunga	Mulund	Goregaon	Chembur W	Malad	Colaba	Andheri E	Sandhurst Road	Byculla	Khar	Ghatkopar	Bhandup	Chembur E	Elphinstone	Dadar	Kurla	Parel	
As on 15th Sep	5185	10537	10139	4866	2429	7627	8999	6590	7763	6112	4955	10302	4252	10232	1467	6462	5609	8665	8819	5666	6992	9520	6829	7526	167543
16-Sep	124	196	192	84	32	118	113	110	132	91	61	125	53	143	20	70	66	84	55	51	73	77	55	60	2185
17-Sep	111	194	144	88	37	103	160	94	92	79	78	121	62	142	14	62	40	122	130	75	69	107	51	71	2246
18-Sep	72	179	163	82	48	128	114	93	101	72	73	134	55	110	19	78	62	106	77	63	77	84	51	60	2101
19-Sep	103	159	151	89	39	92	123	103	102	79	55	109	58	91	13	74	71	96	106	51	74	101	71	101	2111
20-Sep	116	185	150	81	36	106	129	78	97	59	61	131	55	120	21	63	75	91	98	50	69	76	79	61	2087
21-Sep	81	130	145	38	21	75	108	72	77	77	55	132	24	102	9	70	54	80	105	54	52	64	56	52	1733
22-Sep	72	144	127	36	25	95	70	40	73	64	36	99	34	104	14	68	45	55	66	41	47	64	48	40	1507
As on 22nd Sep	5864	11724	11211	5364	2667	8344	9816	7180	8437	6633	5374	11153	4593	11044	1577	6947	6022	9299	9456	6051	7453	10093	7240	7971	181513
Days to double	39	45	48	50	52	54	56	57	58	59	60	61	63	64	67	67	68	69	70	74	76	83	83	84	61

**Wards <= 50 days to double**

- Ward HW
- Ward RC
- Ward KW
- Ward RN

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 Sep 22, 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**

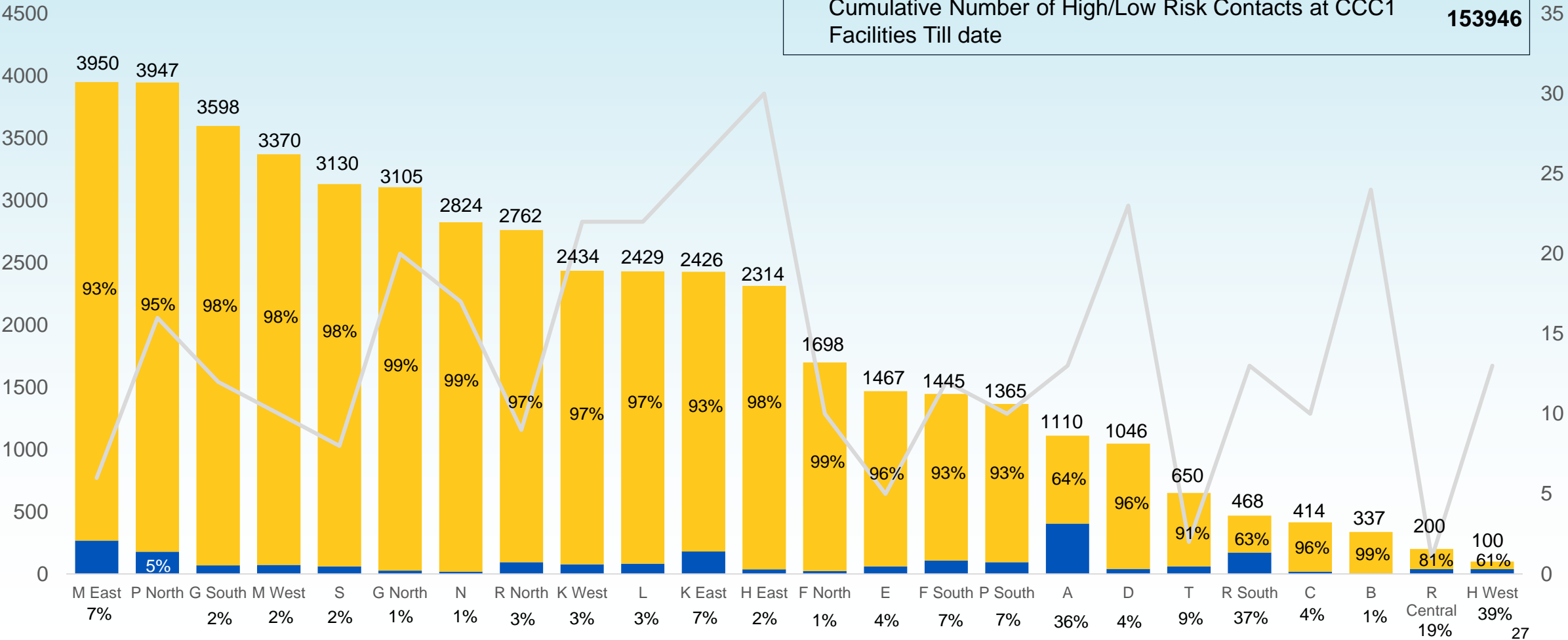
Other initiatives



# Ward-wise bifurcation of CCC1 facilities

Ward-wise data for Sep 22, 2020

No. of CCC1 Facilities identified for High/Low Risk Contacts	334
Number of High/Low Risk Contacts shifted to CCC1 Facilities:	2228
Available capacity	44361
Total Capacity	46589
Cumulative Number of High/Low Risk Contacts at CCC1 Facilities Till date	153946



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

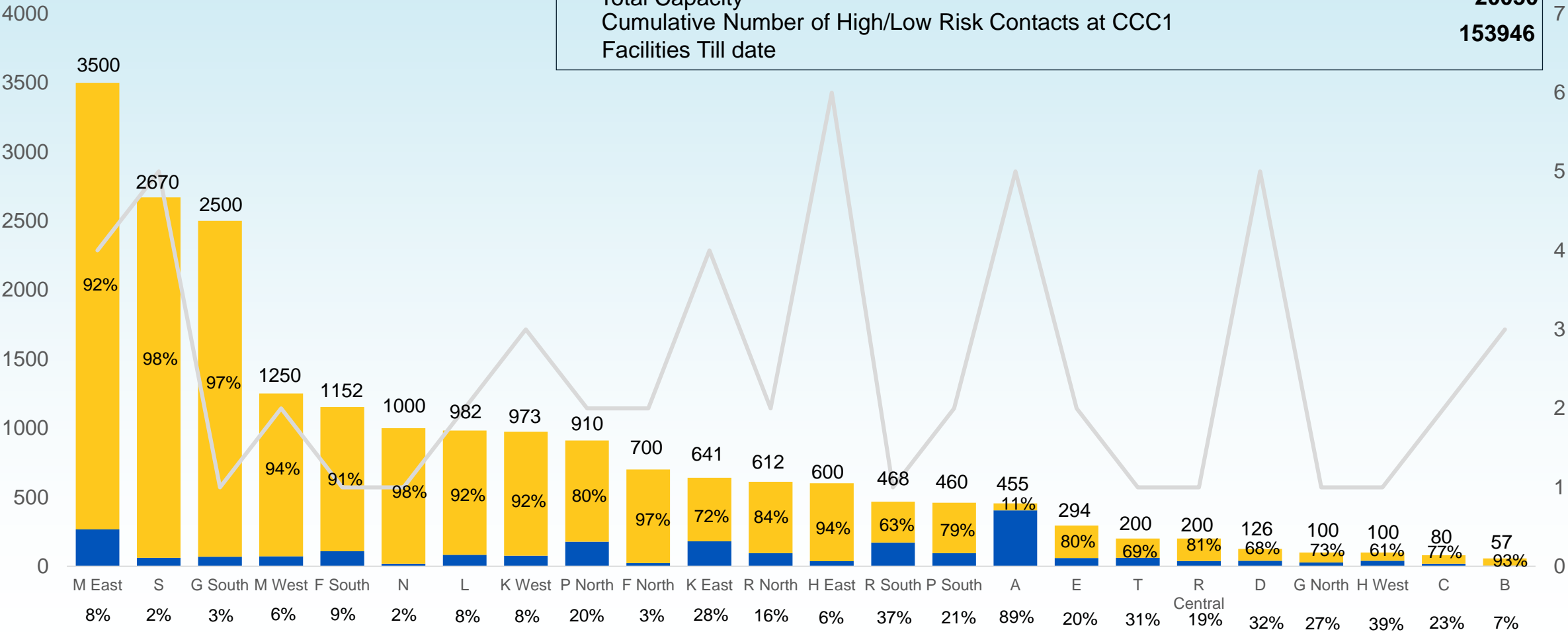
Data subject to change after scrutiny and ongoing verification process



# Ward-wise bifurcation of ACTIVE and BUFFER CCC1 facilities

Ward-wise data for Sep 22, 2020

No. of ACTIVE and BUFFER CCC1 Facilities identified for High/Low Risk Contacts	59
Number of High/Low Risk Contacts shifted to CCC1 Facilities:	2228
Available capacity	17802
Total Capacity	20030
Cumulative Number of High/Low Risk Contacts at CCC1 Facilities Till date	153946



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

Note: Active facilities are facilities currently being requisitioned and in use. Buffer facilities includes requisitioned facilities kept for future

Data subject to change after scrutiny and ongoing verification process

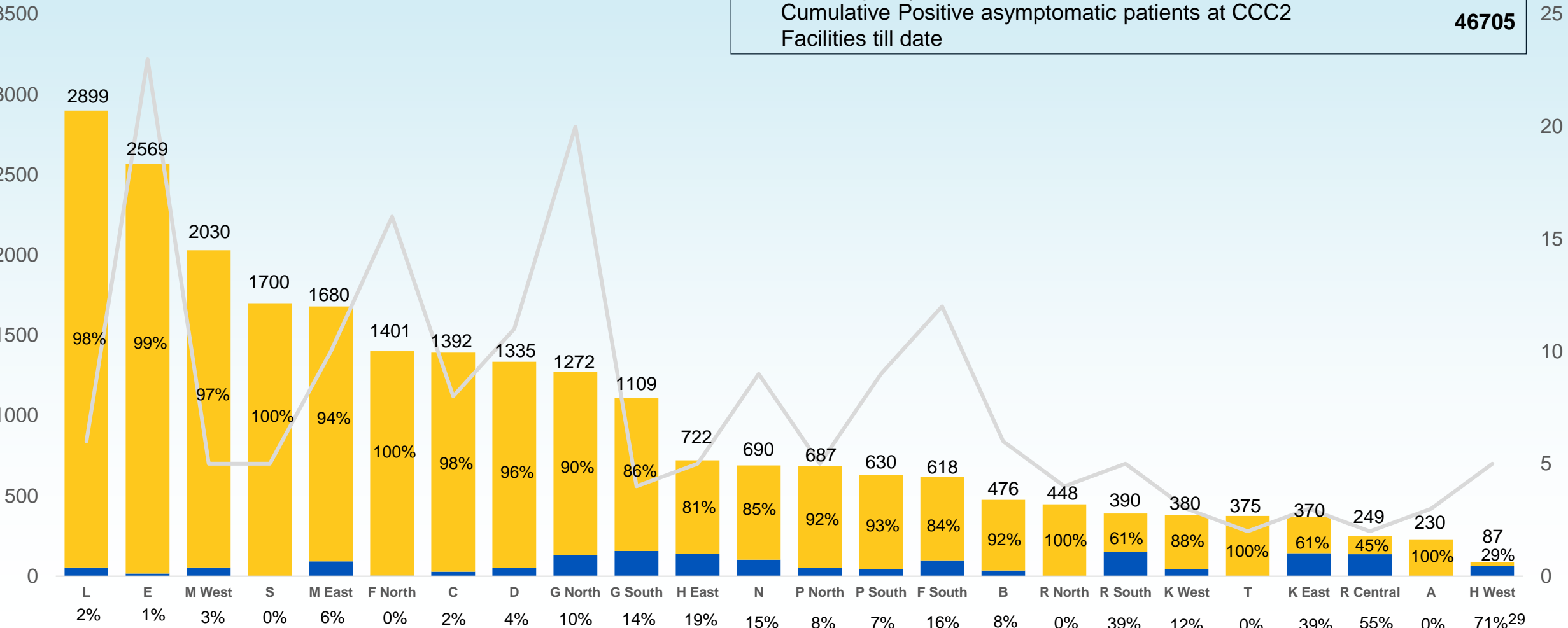




# Ward-wise bifurcation of CCC2 facilities

Ward-wise data for Sep 22, 2020

No. of CCC2 Facilities Identified for Positive Asymptomatic Patients	181
Number of positive asymptomatic patients shifted to CCC2 Facilities	1605
Available capacity	22134
Total Capacity	23739
Cumulative Positive asymptomatic patients at CCC2 Facilities till date	46705



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

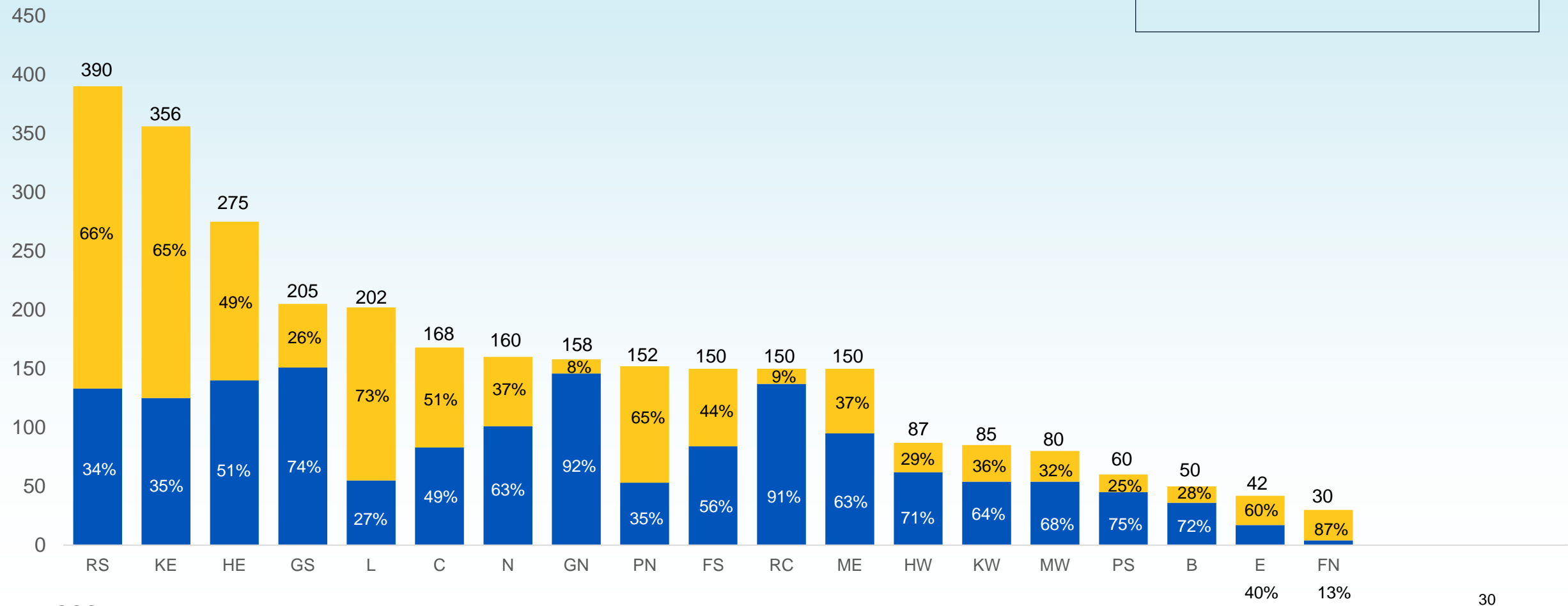
Data subject to change after scrutiny and ongoing verification process



# Ward-wise bifurcation of ACTIVE CCC2 facilities

Ward-wise data for Sep 22, 2020

Beds occupied	1575
Available capacity	1375
Total capacity	2950
Cumulative patients till date	39062



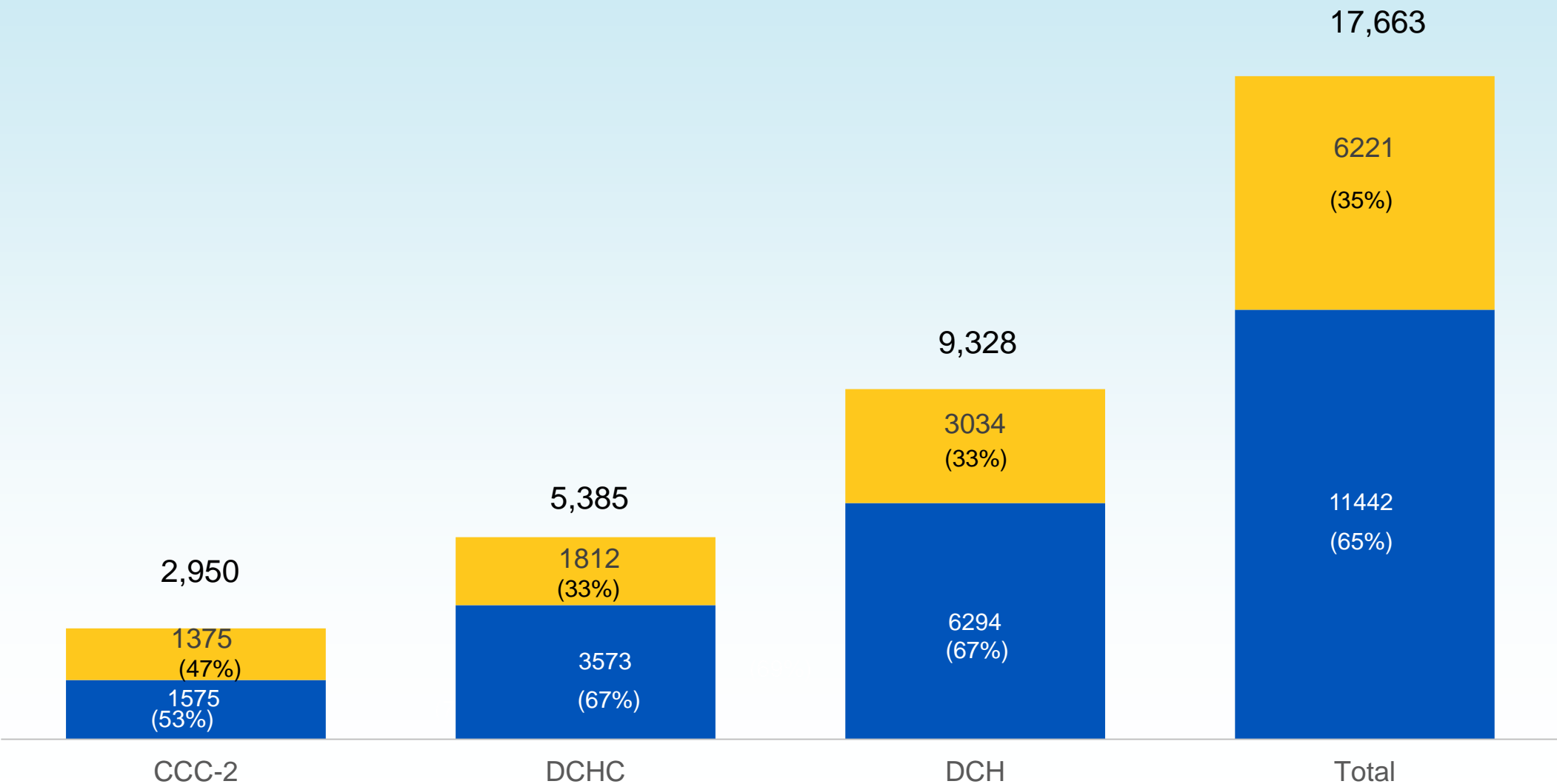
Source: "CCC2 line list"

Data subject to change after scrutiny and ongoing verification process

# Summary of total bed capacity

As of Sep 22, 2020

On bed patients Available capacity



Source: At a glance facilities & DMU dashboard

Data subject to change after scrutiny and ongoing verification process

# Covid19 Bed Management

Data as on 02:30 PM, Sep 23, 2020 , Subject to change

Covid Beds	Capacity	Occupancy	Vacancy
<b>Total</b>	<b>14,713</b>	<b>9,867</b>	<b>4,846</b>
ICU Beds	1,923	1,720	203
Regular	1,889	1,699	190
Pediatric ICU	12	6	6
Neonatal ICU	22	15	7
Normal Beds	12,790	8,147	4,643
Quarantine for Suspect	1,036	636	400
Isolation for Positives	11,352	7,288	4,064
Pregnancy	218	108	110
Others (Cancer + Dialysis)	184	115	69
<i>O2 Beds*</i>	8,882	5,766	3,116
<i>Ventilators*</i>	1,137	1,030	107

# Summary of total bed capacity

Data as on 02:30 PM, Sep 23, 2020 , Subject to change

		COVID Beds				
		Total	ICU Beds	Normal Beds		O2 Beds* Ventilators*
Capacity	Total	14,713	1,923	12,790		8,882 1,137
	Public Hospitals	10,925	1,016	9,909		6,468 720
	Pvt Hospitals	3,788	907	2,881		2,414 417
Occupancy	Total	9,867	1,720	8,147		5,766 1,030
	Public Hospitals	6,700	893	5,807		3,811 645
	Pvt Hospitals	3,167	827	2,340		1,955 385
Vacancy	Total	4,846	203	4,643		3,116 107
	Public Hospitals	4,225	123	4,102		2,657 75
	Pvt Hospitals	621	80	541		459 32

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

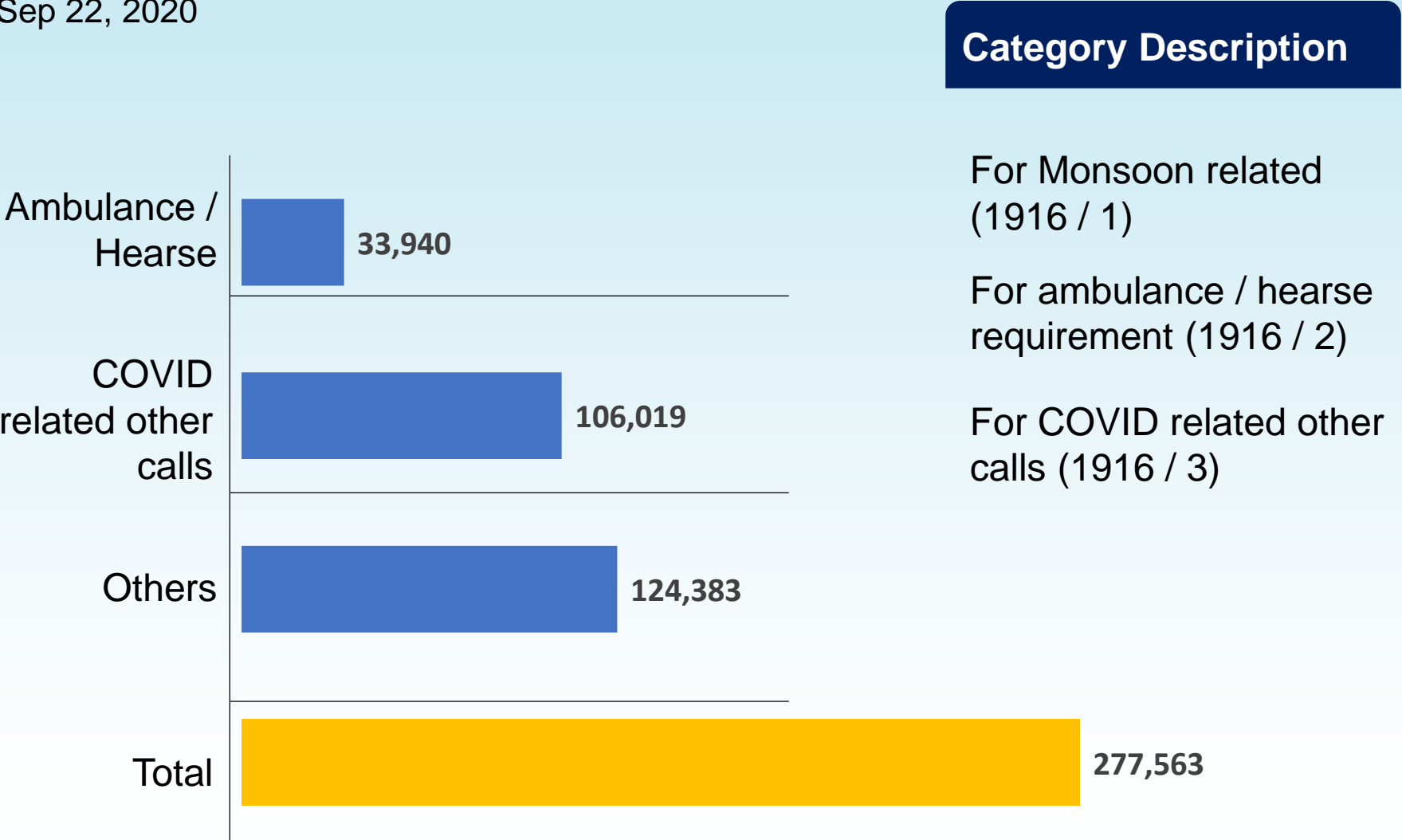
Bed Capacity

**Other initiatives**



# Call Center update

For all calls received from April 24 to Sep 22, 2020



# Management of Waste from Quarantined Areas

## September 20, 2020



### Waste Collected (in Kgs)

COVID BMW (in Kgs)  
**8,382**

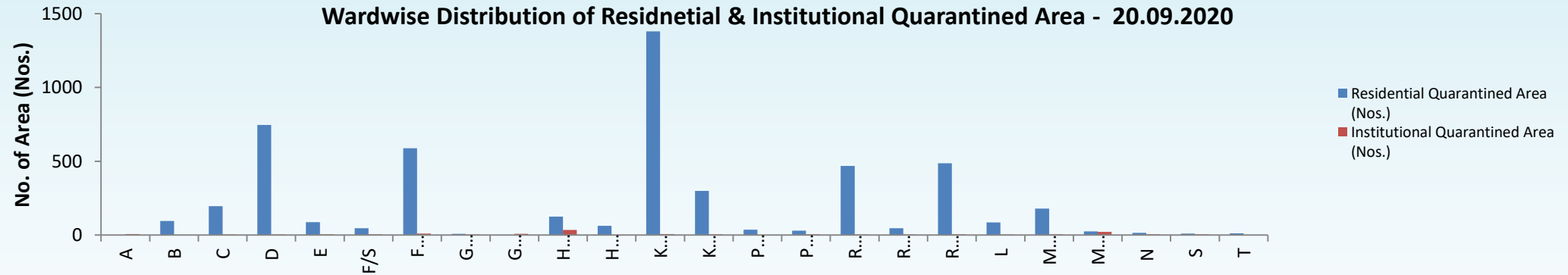
MCGM Quarantine BMW (in Kgs)  
**1,420**

Total BMW (in Kgs):  
**9,802.0**

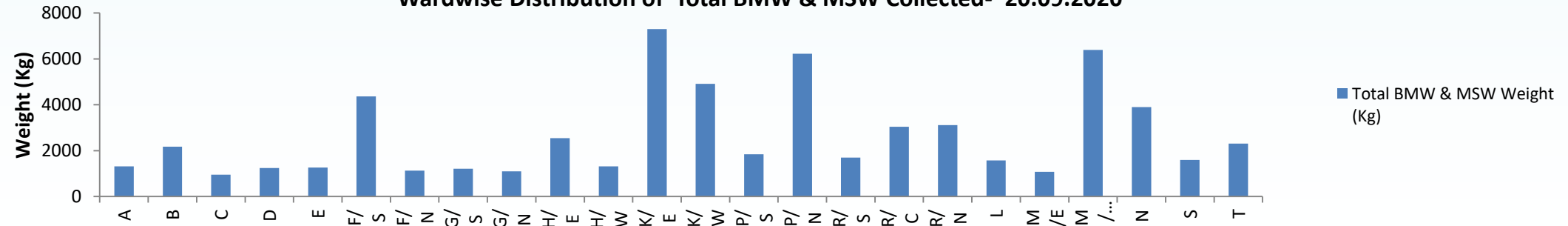
Total MSW Collected by MCGM from Quarantined Area (in Kgs):  
**63,240.0**

Total MSW & BMW Collected by MCGM from Quarantined Area (in Kgs):  
**73,042**

Wardwise Distribution of Residential & Institutional Quarantined Area - 20.09.2020



Wardwise Distribution of Total BMW & MSW Collected- 20.09.2020



# Thank you

