

# BMC Covid-19 Response War Room Dashboard

Sep 20, 2020



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# Mumbai COVID19 status at a glance

As of Sep 19, 2020

COVID19 Case Analysis		COVID19 Bed Management (As on 03:00 PM, Sep 20, 2020)		CCC1 Facilities			Contact Tracing	Past 24hrs	Cumulative
Total Positive	1,82,077*	Bed Capacity (DCHC+DCH+CCC2)	17,534	Facilities (#)	Bed Capacity	Occupancy	Total Traced	32,219	27,61,050
Discharged	1,42,769	Occupied	11,824				High Risk	17,610	10,58,556
Deaths	8,422	Available	5,710	Total	334	46,589	2,316	Low Risk	14,609
Deaths with Age > 50yrs – 7,089)		DCH & DCHC Bed Capacity	14,559	Active	44	17,783	2,316	Total Quarantine Completed	23,57,611
Total Active	30,512	Occupied	10,097	Buffer	15	2,247	-	Currently in Home Quarantine	4,01,123
Stable – Asymptomatic	21,043	Available	4,462	Reserve <sup>#</sup>	275	26,559	-	Others	
Stable - Symptomatic	8,177	ICU Bed Capacity	1,786	CCC2 Facilities			Senior Citizens Screened till date	10,26,887	
Critical	1,292	Occupied	1,610	Facilities (#)	Bed Capacity	Occupancy	Senior Citizens with SPO2 > 95	10,23,701	
Tests Done (till date)	10,04,017	Available	176	Total	181	23,689	1,752	Active Containment Zones – Slums & Chawls	609
% of Positive (till date)	18.13	O2 Bed Capacity	8,805	Active	24	2,928	1,752	Active Sealed Buildings	9,527
		Occupied	5,975	Buffer	13	2,265	-	Calls Centre Calls Flow	2,73,559
		Available	2,830	Reserve <sup>#</sup>	144	18,496	-		
				# Facilities that have been deactivated and can be used as per need					

## Ward wise positive cases

Wards	HW	RC	KW	RN	D	FN	RS	T	C	MW	PS	B	A	ME	PN	KE	HE	N	E	GN	GS	S	FS	L	Overall Mumbai
Positive Cases	5595	11265	10789	5209	8068	6990	9509	8190	2585	5222	6433	1533	4480	5906	10791	10718	5848	9073	6746	9889	7285	9187	7818	7057	
Days to double	39	43	44	45	49	51	51	51	52	54	55	56	58	61	61	62	65	68	71	73	73	75	80	89	57



## Key Trends

Contact tracing and home quarantine

Status of COVID19 Positive Cases

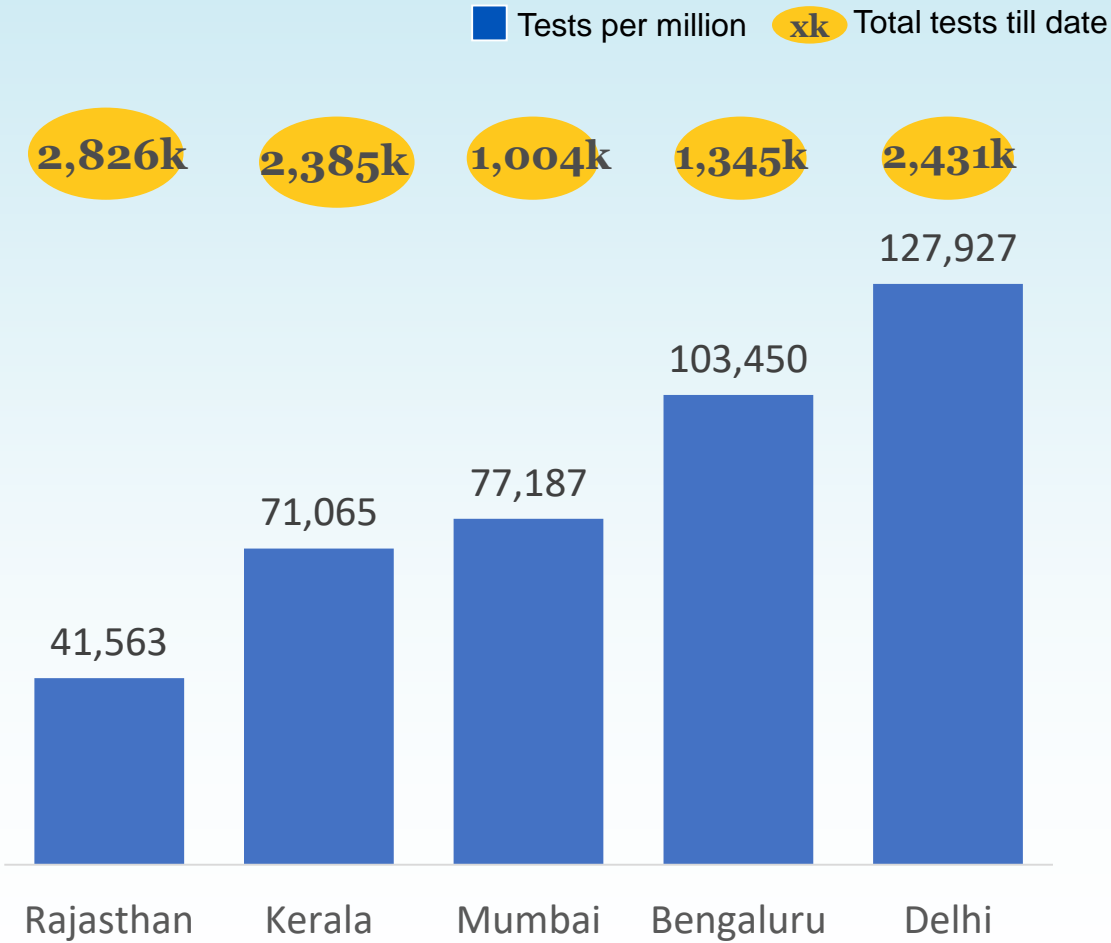
Bed Capacity

Other initiatives

# Tests/ million data for COVID-19

For all tests conducted from Feb 3, 2020 to Sep 19, 2020

## Tests per million



Source: Government COVID bulletins as of Sep 19 2020  
 \*Due to reconciliation on ICMR portal 676 duplicates Cases are removed from progressive positive cases.

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

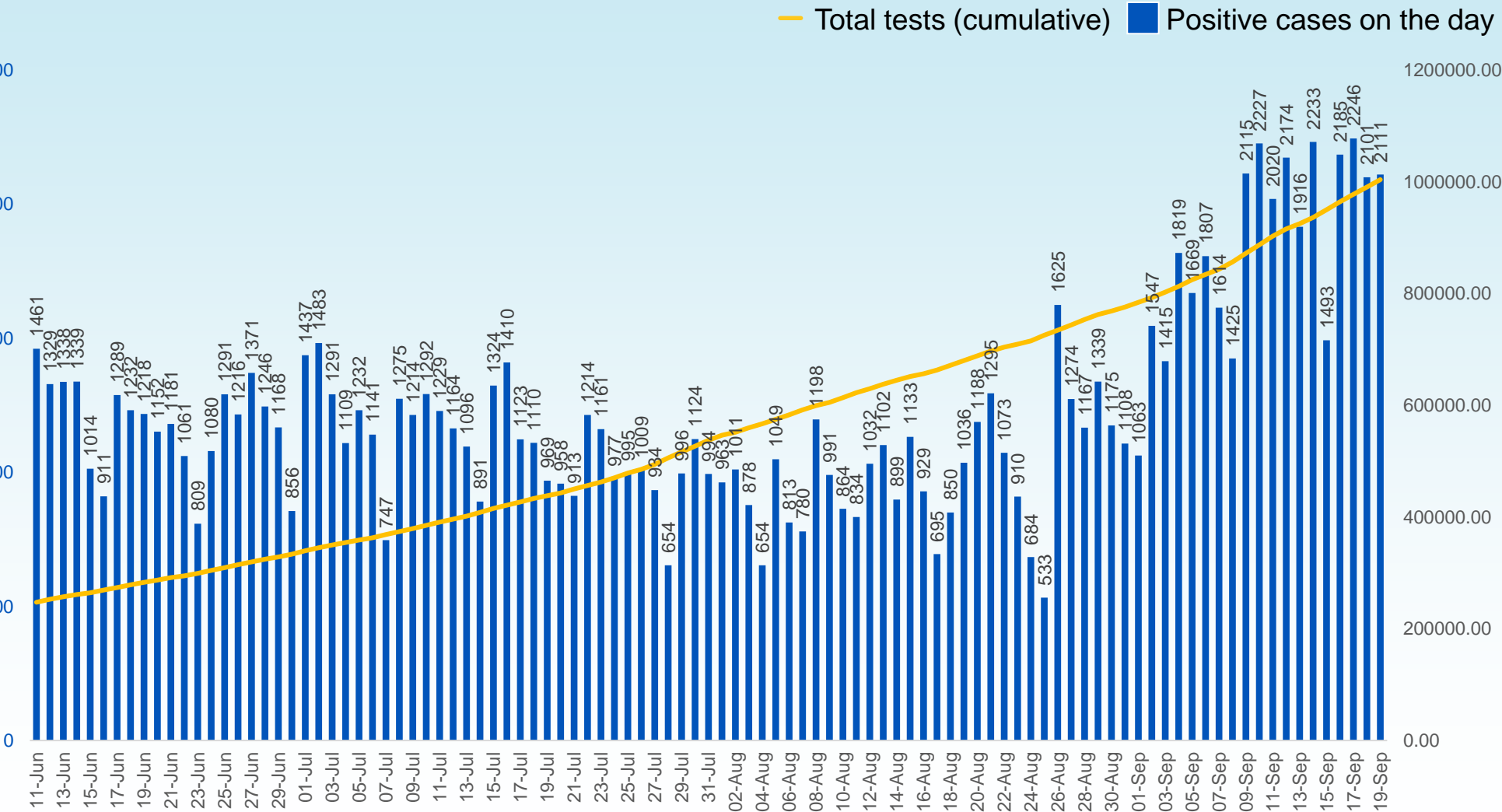
State	Cases	Tests	Tests per million
Bengaluru	187,705	1,344,848	103,450
<b>Mumbai*</b>	<b>182,077</b>	<b>1,004,017</b>	<b>77,187</b>
Delhi	238,828	2,430,613	127,927
West Bengal	221,960	2,744,862	30,422
Gujarat	121,768	3,736,913	60,273
Kerala	131,025	2,384,611	71,065
Maharashtra	1,188,015	5,879,205	47,583
Rajasthan	113,124	2,826,262	41,563
Tamil Nadu	536,477	6,388,583	191,345





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

Based on date of reporting, from Feb 03, 2020 to Sep 19, 2020



Summary till date

1,82,077<sup>1\*</sup>

Total positive cases

10,04,017

Total tests conducted

18.13%

Positive cases as a % of total tests

<sup>1</sup>\*Due to reconciliation on ICMR portal 676 duplicates Cases are removed from progressive positive cases.

1 Total Positive cases as on Sep 19, Total cases as of Sep 19 as per line list is 1,76,186

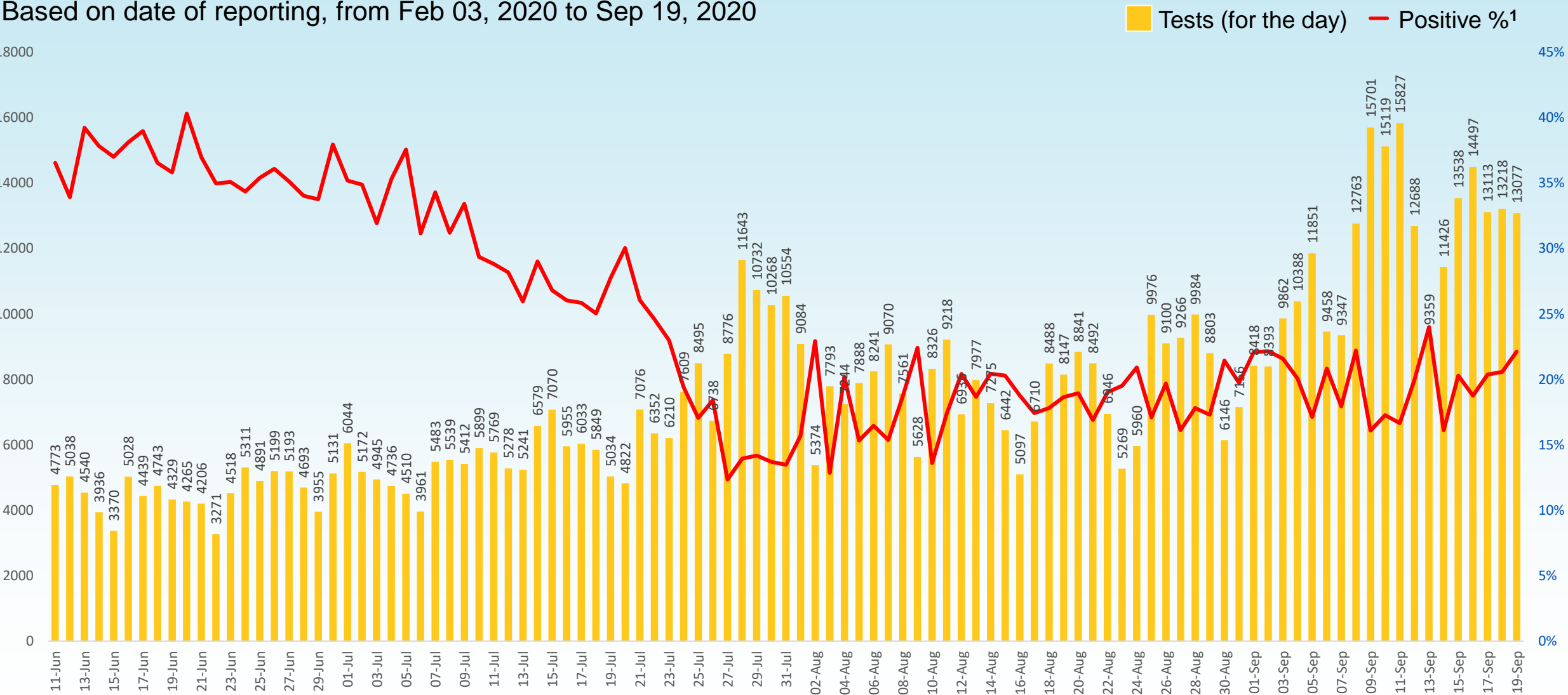
2 Total Positive cases (as per press release) as a % of total tests conducted

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

Data subject to change after scrutiny and ongoing verification process

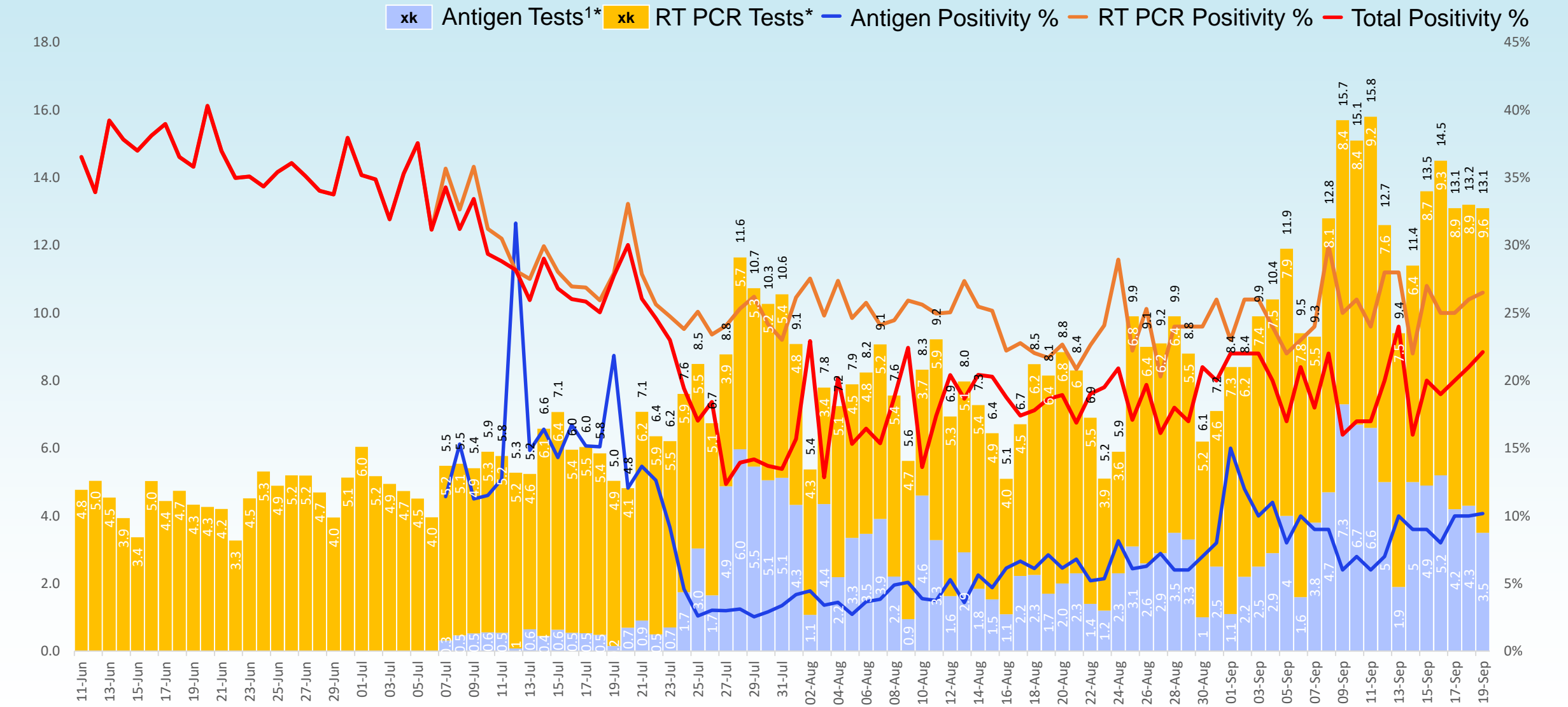
# Trend of positive cases vis-à-vis total tests

Based on date of reporting, from Feb 03, 2020 to Sep 19, 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 (2%)  
 Source: Covid-19 daily update by the Public Health Department, BMC

# Trend of positive cases vis-à-vis Tests

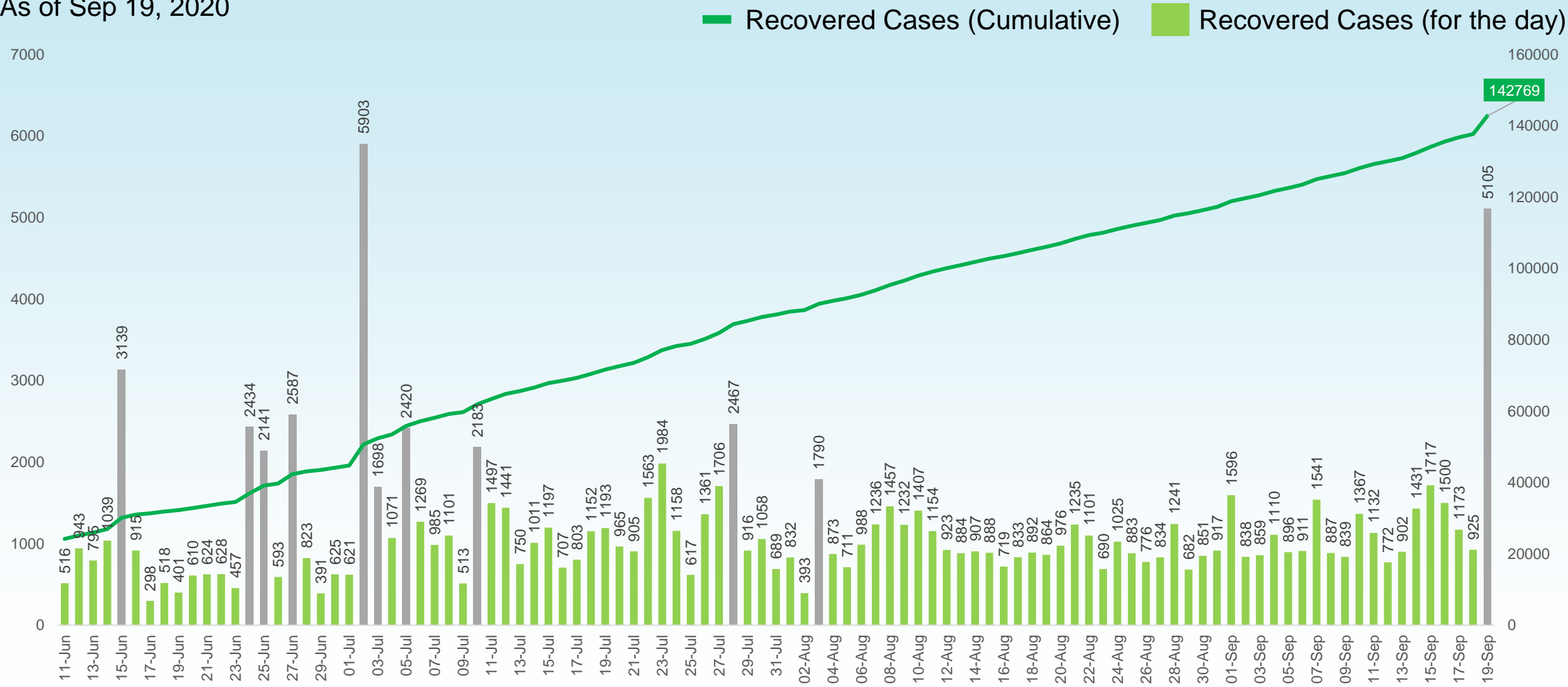


<sup>1</sup>Data for Antigen tests is available from Jul 07 onwards

\*The tests data is in thousands  
Data subject to change after scrutiny and ongoing verification process

# Trend of Recovered Cases

As of Sep 19, 2020

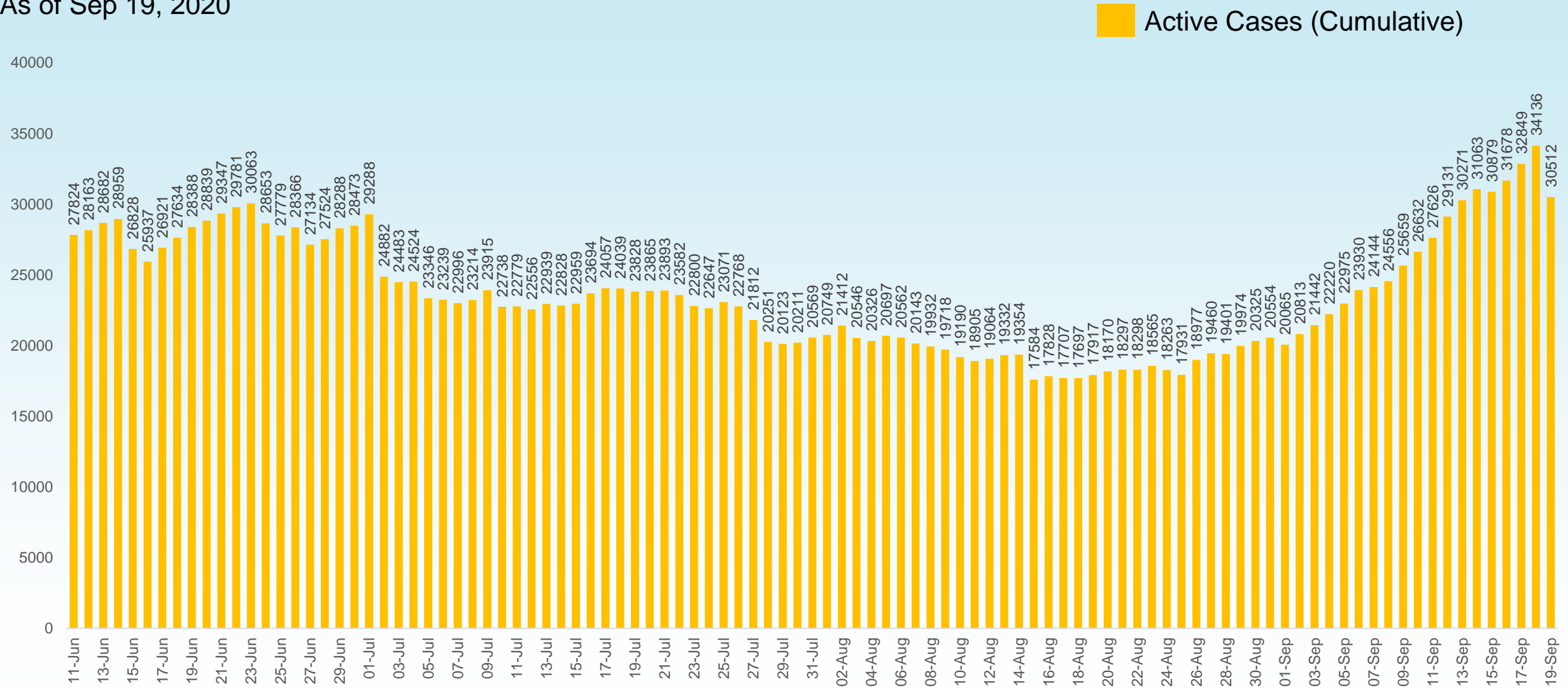


<sup>1</sup>Spikes refer to reconciliation and updation for previous days



# Trend of Active Cases

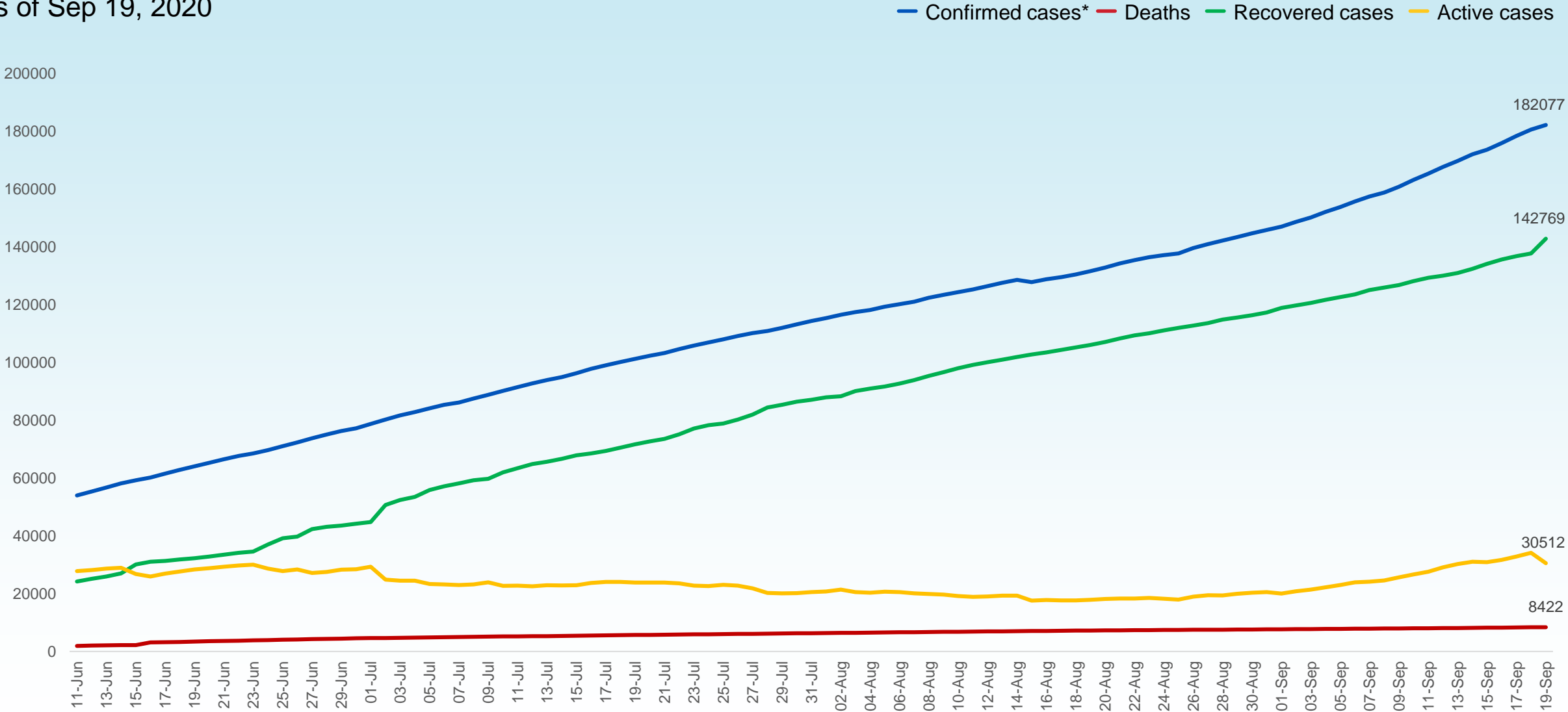
As of Sep 19, 2020





# Case summary for Mumbai

As of Sep 19, 2020





## Key Trends

**Contact tracing and home quarantine**

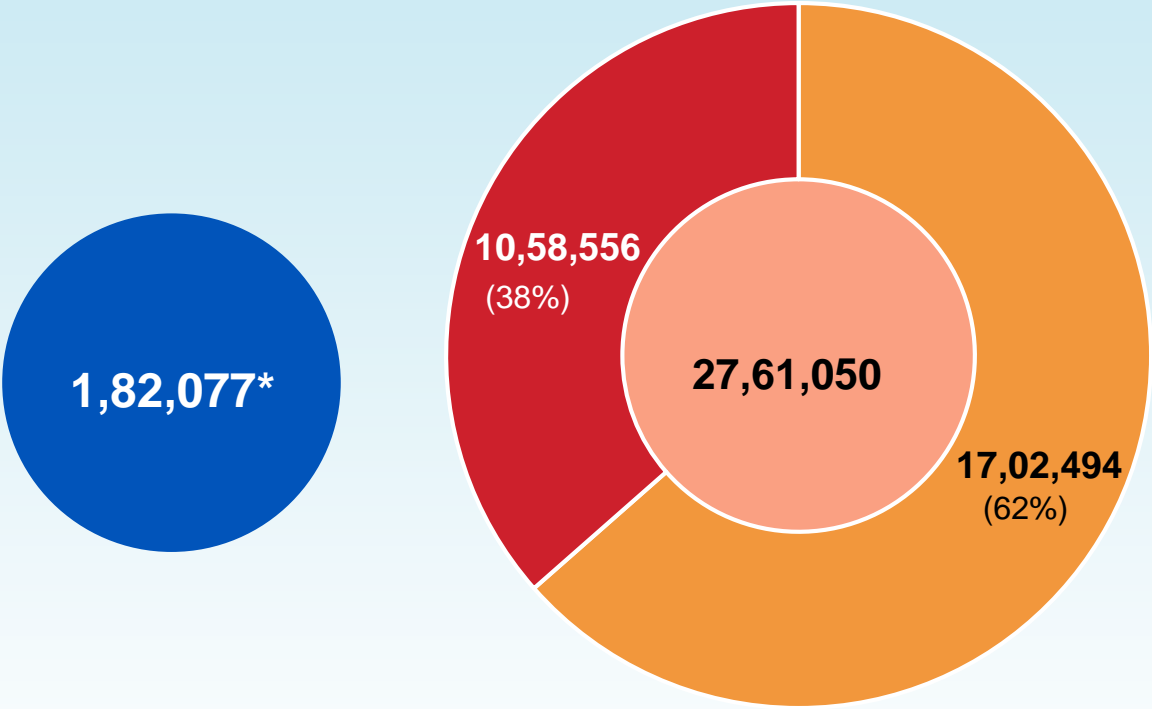
Status of COVID19 Positive Cases

Bed Capacity

Other initiatives

# Update on contact tracing

Summary as of Sep 19, 2020



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

23,57,611

Completed quarantine

4,01,123

In home quarantine,

2,316

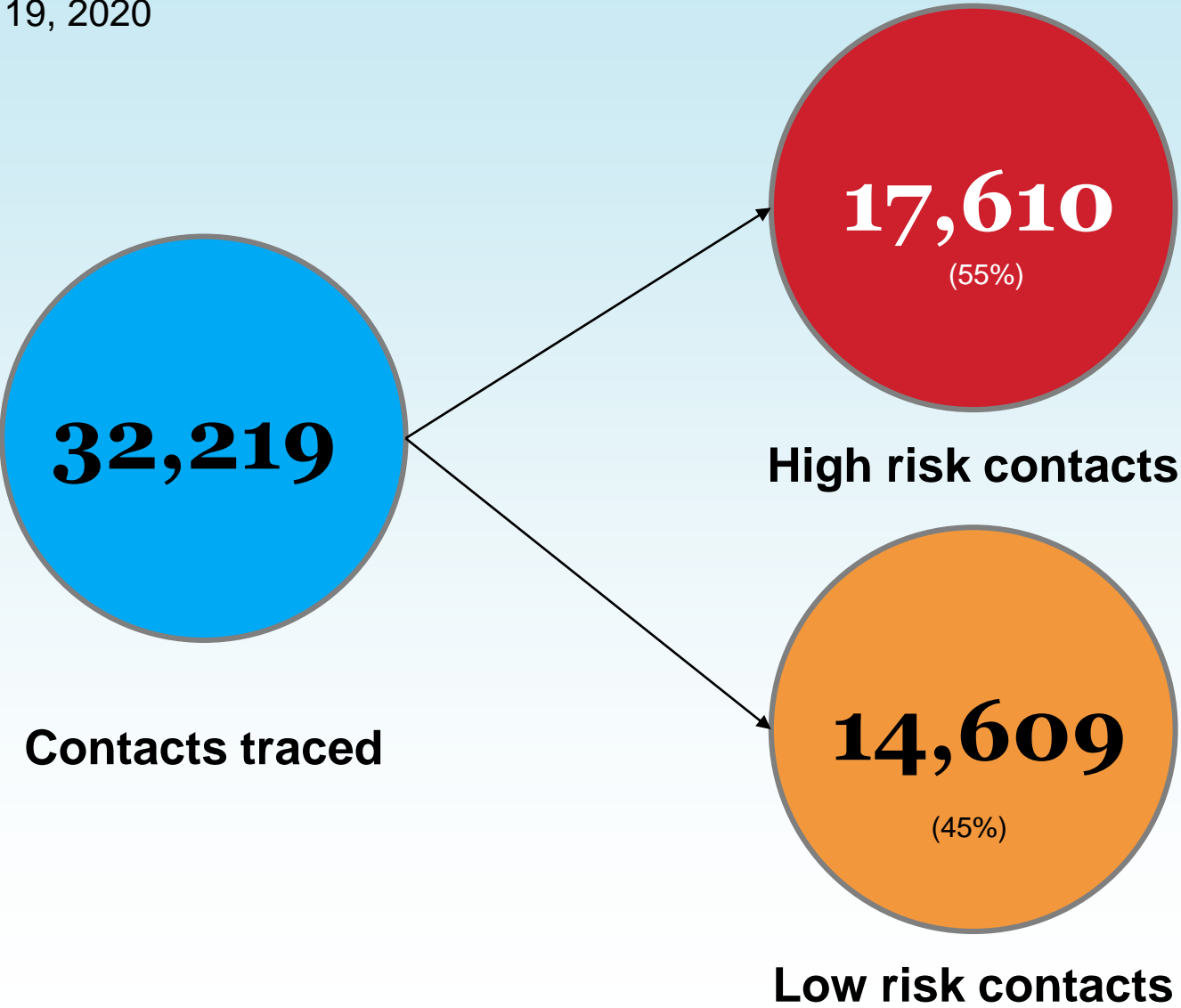
Currently at institutional quarantine facilities

1,53,247

Shifted to institutional quarantine facilities till date

# Contact tracing report for last 24 hours

Summary as of Sep 19, 2020



Source: Quarantine numbers from BMC Contact Tracing Report as on Sep 19, 2020; shift to Institutional facilities from "CCC1 and CCC2 Facilities"

Data subject to change after scrutiny and ongoing verification process





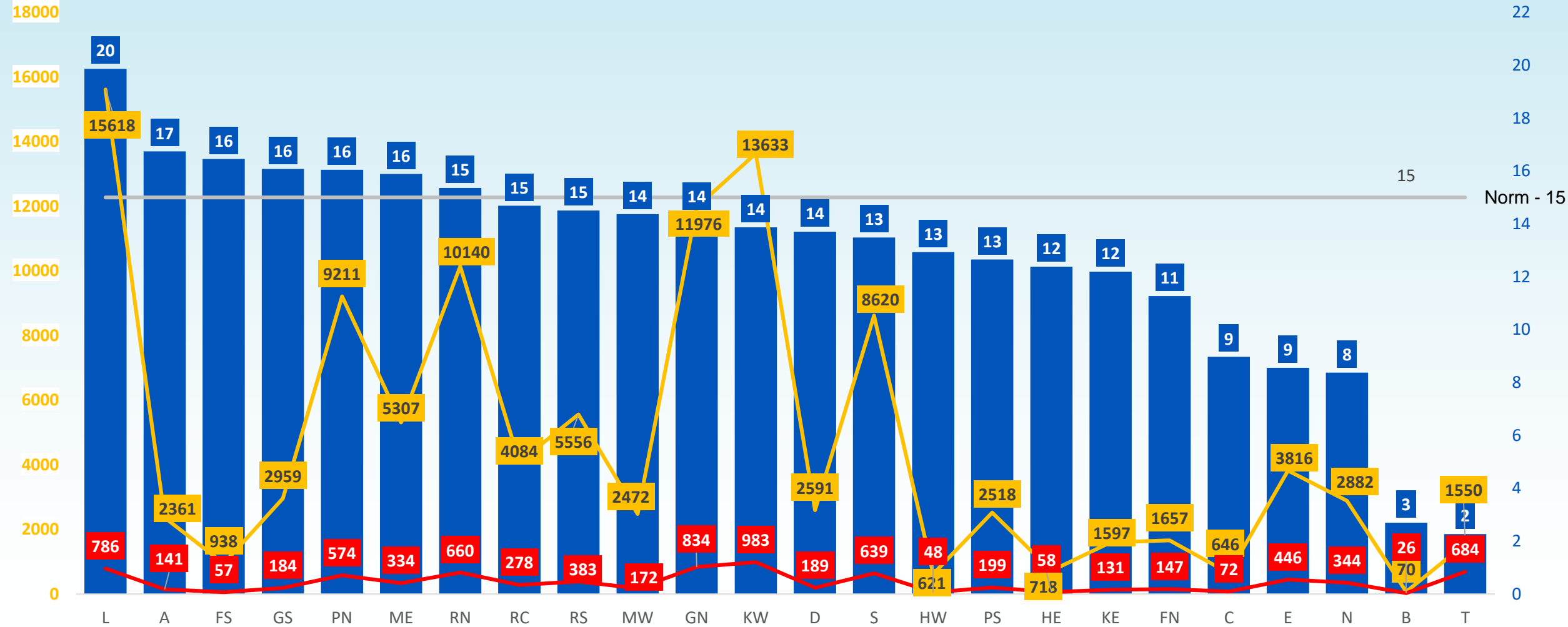
# Chase the virus: High Risk Contacts for Index Cases in Slums

As of Sep 19, 2020<sup>1</sup>

Positive cases from slums (Not being high risk contacts of earlier cases)<sup>(1)</sup>  
Total – 8,369\*

No of high risk contacts sent to institutional facilities  
Total – 1,11,541\*

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



\* Data for Ward A and Ward N is updated as of Sep 18 and Ward GN is updated as of Sep 17

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

Data subject to change after scrutiny and ongoing verification process

14

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



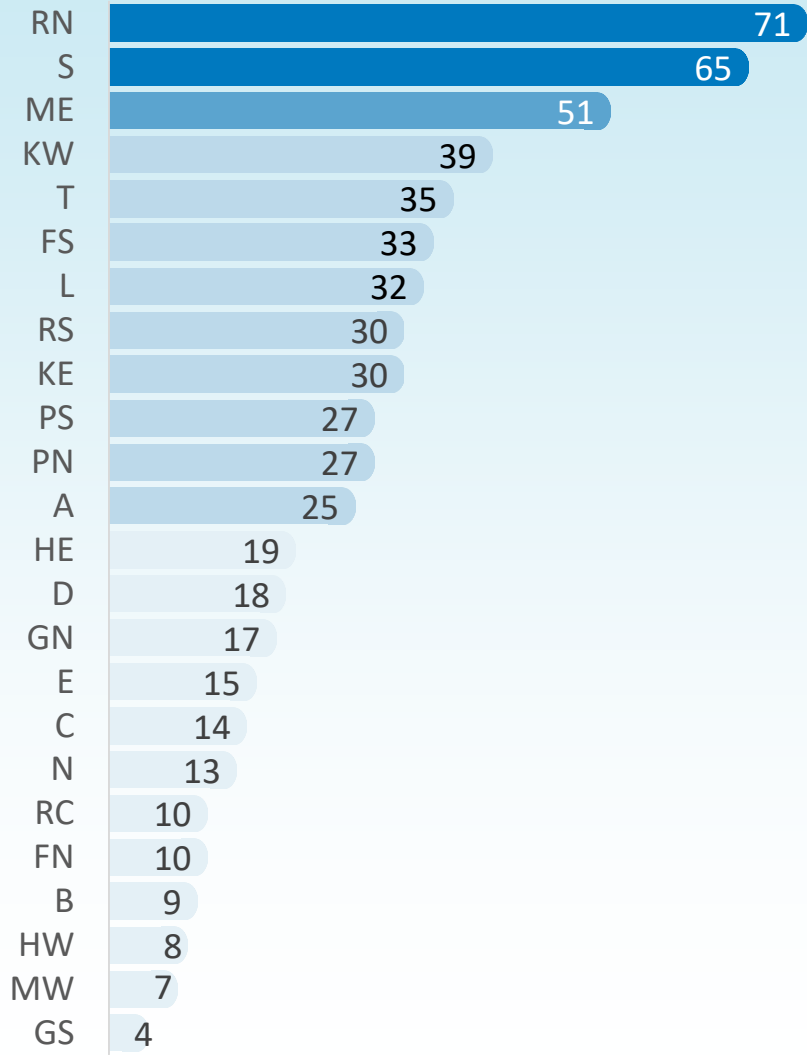
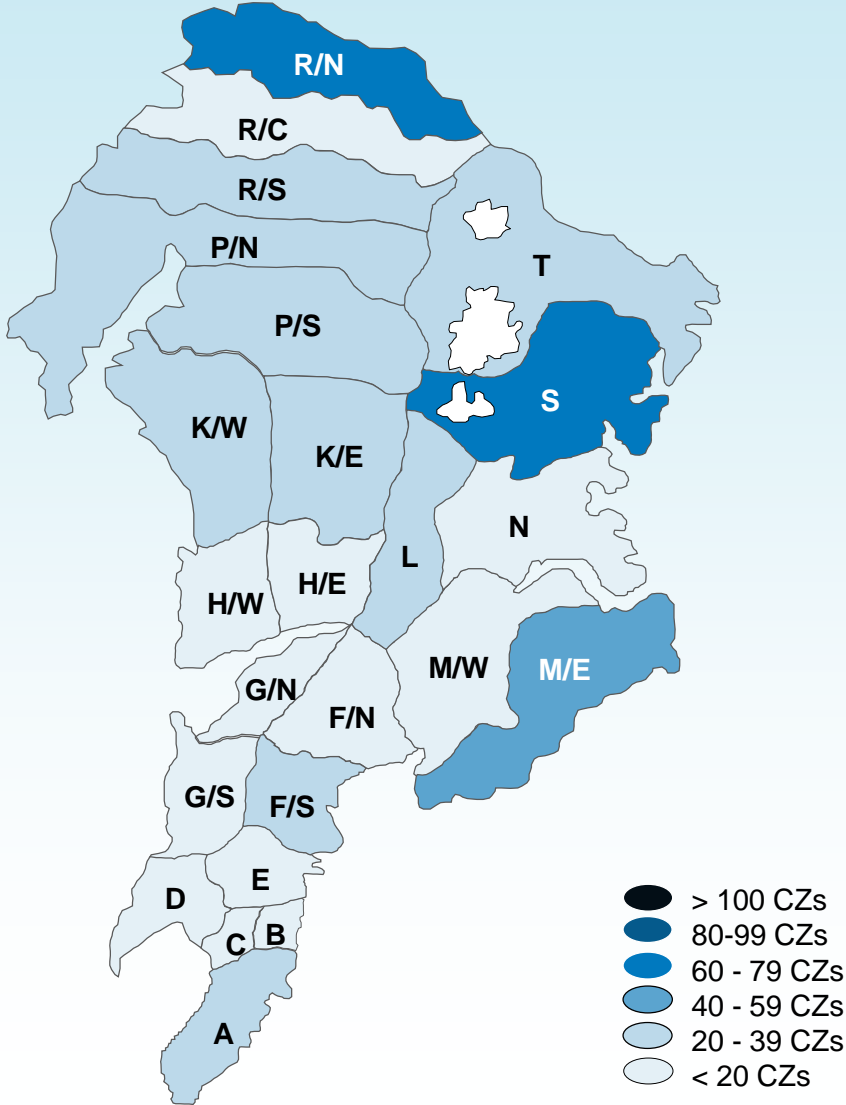
Ward-wise data as of Sep 19, 2020

— High Risk individuals quarantined ■ High risk contacts traced per positive case



# Ward-wise containment zones – slums and chawls

As of Sep 19, 2020



**609**
*Active*

Containment Zones

**7.8**
*lacs*

No. of Households

**33.9**
*lacs*

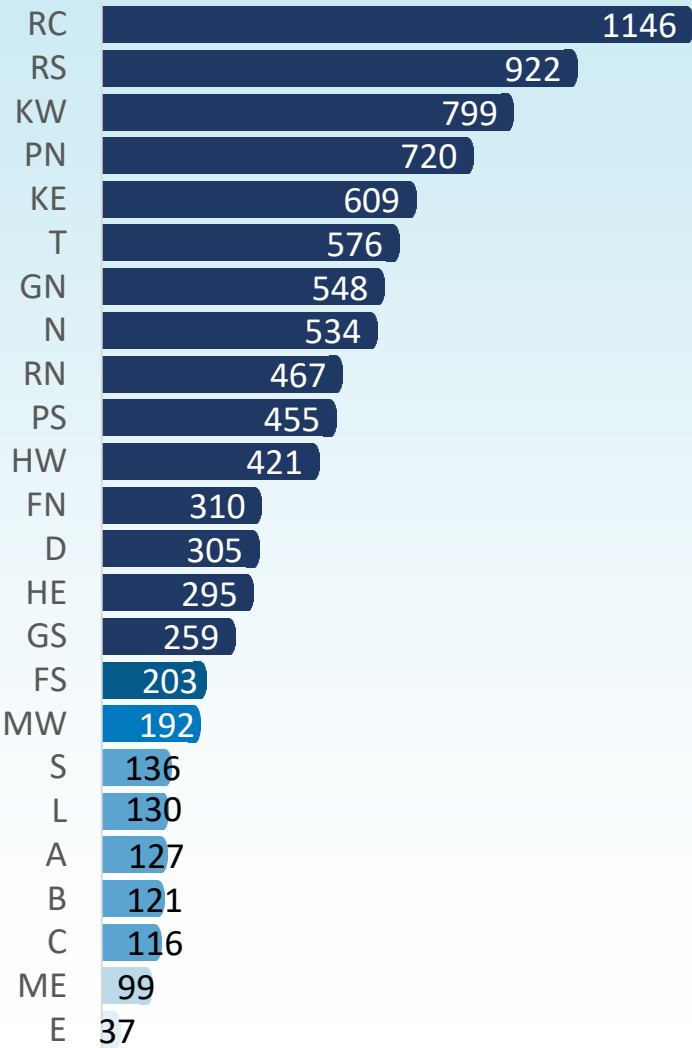
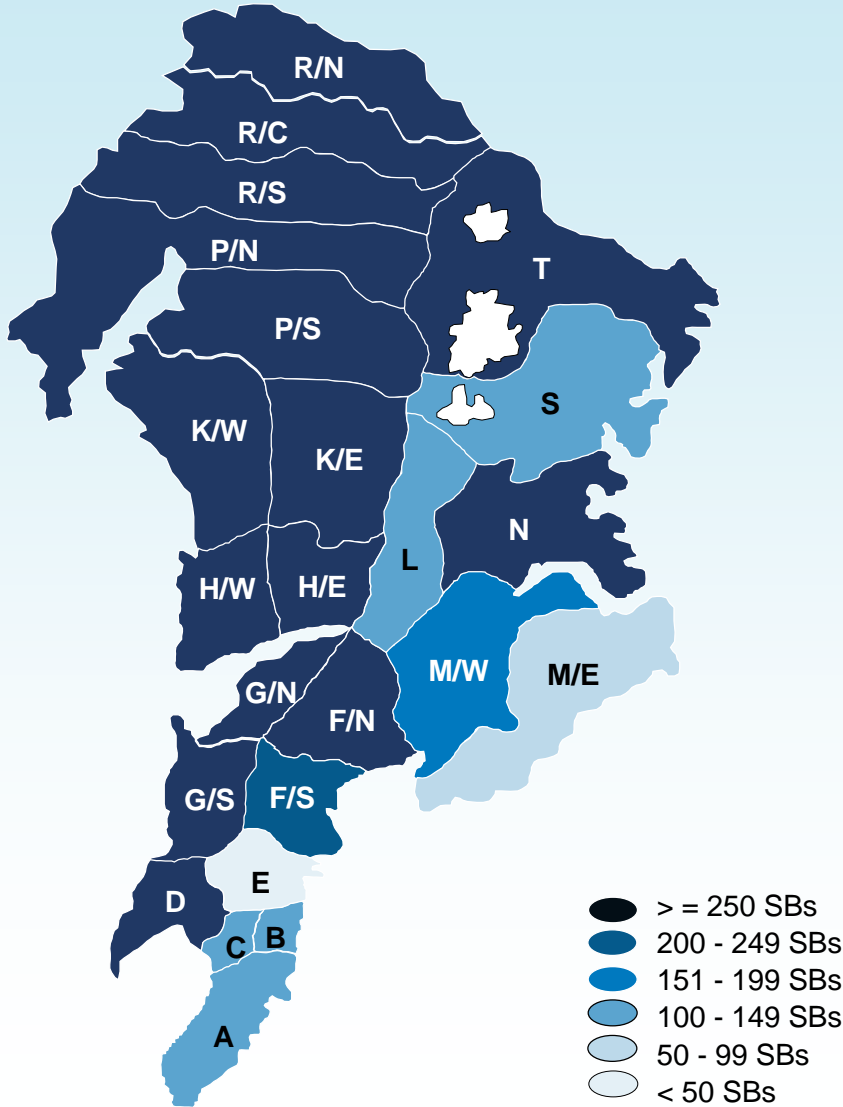
Population

**1,048**
*Released*

Containment Zones

# Ward-wise sealed buildings

As of Sep 19, 2020



**9,527 Active**  
 Sealed Buildings

**2.9 lacs**  
 No. of Households

**11.4 lacs**  
 Population

**25,871 Released**  
 Sealed Buildings



Key Trends

Contact tracing and home quarantine

**Status of COVID19 Positive Cases**

Bed Capacity

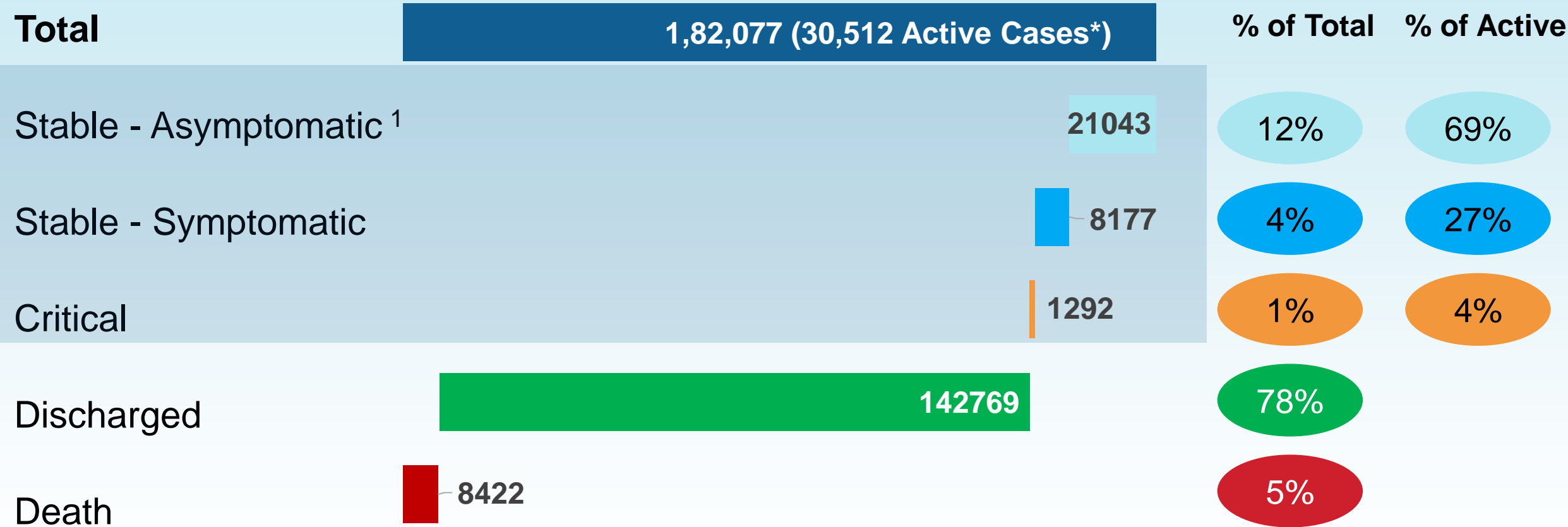
Other initiatives





# Case summary for Mumbai

As of Sep 19, 2020



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

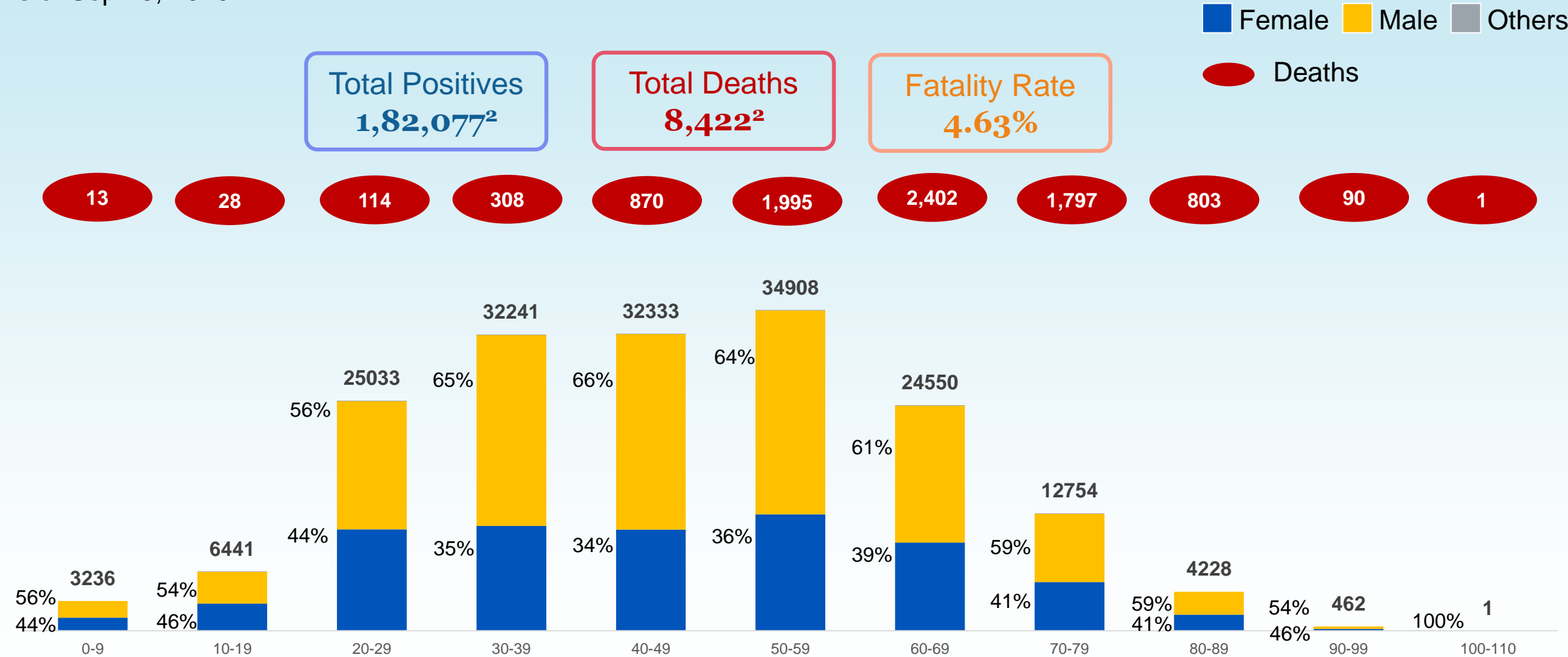
Due to reconciliation on ICMR portal 676 duplicates  
Cases are removed from progressive positive cases.

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 (9,130 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



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

As of Sep 19, 2020<sup>1</sup>



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

1 Total Age and sex-wise break up is available 1,76,187 cases; age-wise breakup of deaths available for 8,422 cases

2 As on Sep 19

Due to reconciliation on ICMR portal 676 duplicates Cases are removed from progressive positive cases.

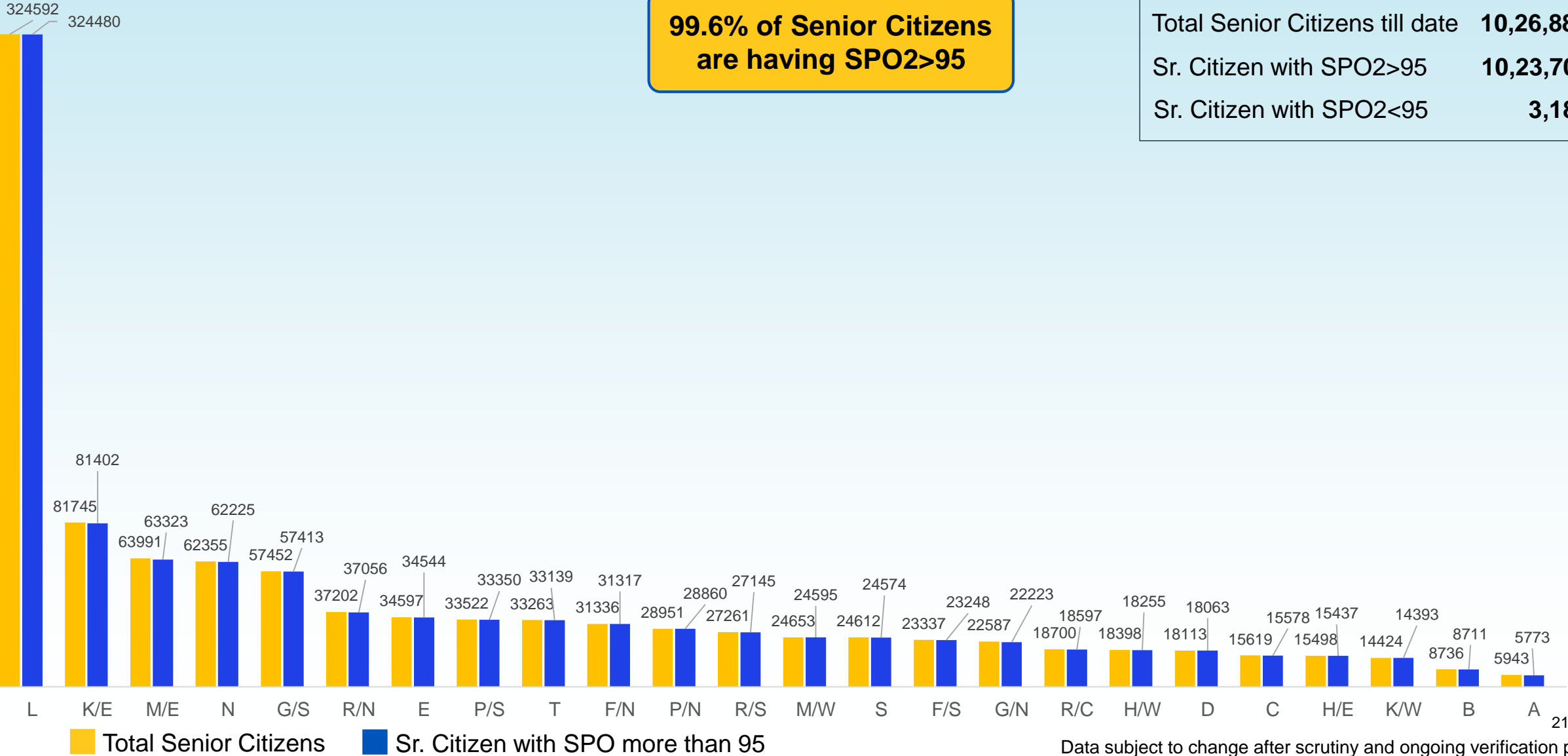


# Proactive screening of elderly to protect them and contain mortality

Ward-wise data(progressive) till Sep 18, 2020

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

Population Screened till date	1,82,47,377
Total Senior Citizens till date	10,26,887
Sr. Citizen with SPO2>95	10,23,701
Sr. Citizen with SPO2<95	3,186



# Proactive screening of elderly to protect them and contain mortality

Ward-wise data for Sep 18, 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>25,670</b>	<b>100,766</b>	<b>3,908</b>	<b>3,905</b>	<b>3</b>
R/N	4,433	16,663	283	281	2
H/W	1,070	1,968	147	146	1
A	425	1,629	15	15	0
B	405	1,557	31	31	0
C	502	1,912	56	56	0
D	387	1,568	124	124	0
E	1,588	6,347	297	297	0
F/S	1,507	5,411	320	320	0
F/N	0	0	0	0	0
G/S	2,423	10,235	225	225	0
G/N	0	0	0	0	0
H/E	393	1,811	59	59	0
K/E	0	0	0	0	0
K/W	280	1,361	16	16	0
P/S	1,177	4,435	145	145	0
P/N	1,760	8,122	147	147	0
R/S	2,856	11,435	126	126	0
R/C	1,470	5,230	289	289	0
L	2,487	10,672	1,134	1,134	0
M/E	1,009	4,637	279	279	0
M/W	0	0	0	0	0
N	342	1,535	50	50	0
S	994	3,826	67	67	0
T	162	412	98	98	0

Summary till date

**1,82,47,377<sup>\*</sup>**

Total Population covered till date

**10,26,887**

Senior Citizens covered till date

**10,23,701**

Senior Citizens with SPO2>95  
till date

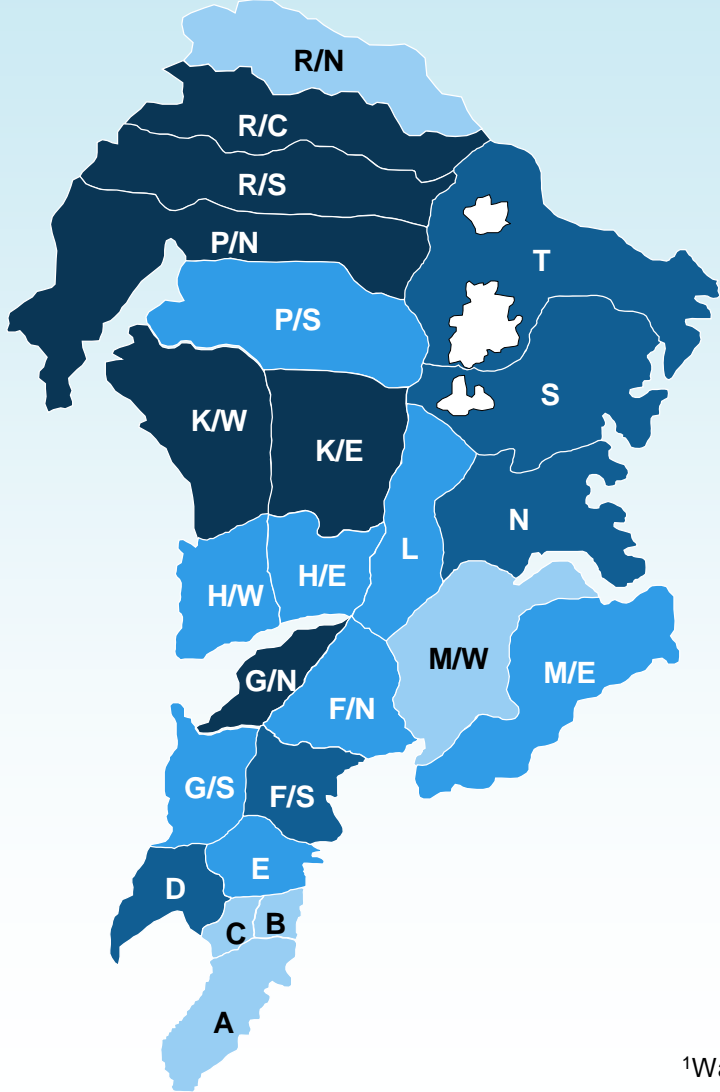
**3,186**

Senior Citizens with SPO2<95  
till date



# Ward-wise breakdown of positive cases

As of Sep 19, 2020



RC	11265	8795	331	2139
PN	10791	8896	396	1499
KW	10789	8549	353	1887
KE	10718	8577	578	1563
GN	9889	8114	540	1235
RS	9509	7568	278	1663
S	9187	7418	504	1265
N	9073	7426	440	1207
T	8190	6582	202	1406
D	8068	6619	282	1167
FS	7818	6575	407	836
GS	7285	5994	438	853
L	7057	5813	476	768
FN	6990	5463	340	1187
E	6746	5529	326	891
PS	6433	5129	267	1037
ME	5906	4865	333	708
HE	5848	4644	364	840
HW	5595	4370	217	1008
MW	5222	4147	316	759
RN	5209	4016	176	1017
A	4480	3704	79	697
C	2585	2112	111	362
B	1533	1205	97	231
		142110	7851	26225

- >=9501 cases
- 7501 – 9500 cases
- 5501 – 7500 cases
- 0 – 5500 cases

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

Total Positives  
**1,82,077<sup>1</sup>**

Total Active  
**26,225<sup>1</sup>**

Active = Positive – Discharges – Death

Due to reconciliation on ICMR portal 676 duplicates Cases are removed from progressive positive cases.

<sup>1</sup>Ward-wise breakup is available for 1,76,186 cases (26,225 Active), Total

<sup>2</sup>Discharges as on Sep 19, Available for 1,42,110 cases,

<sup>3</sup>Deaths as on Sep 19, Available for 7,851 cases

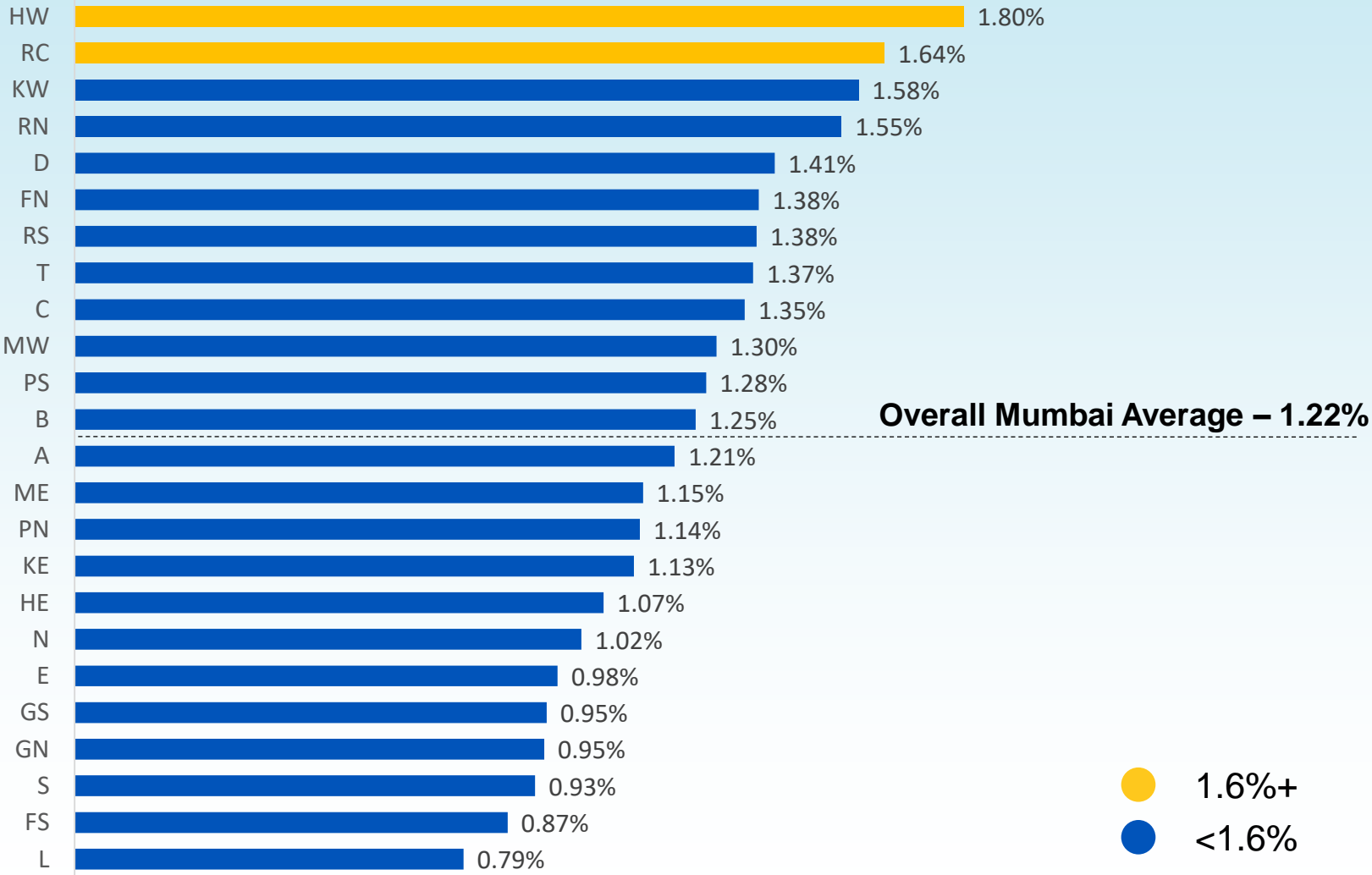
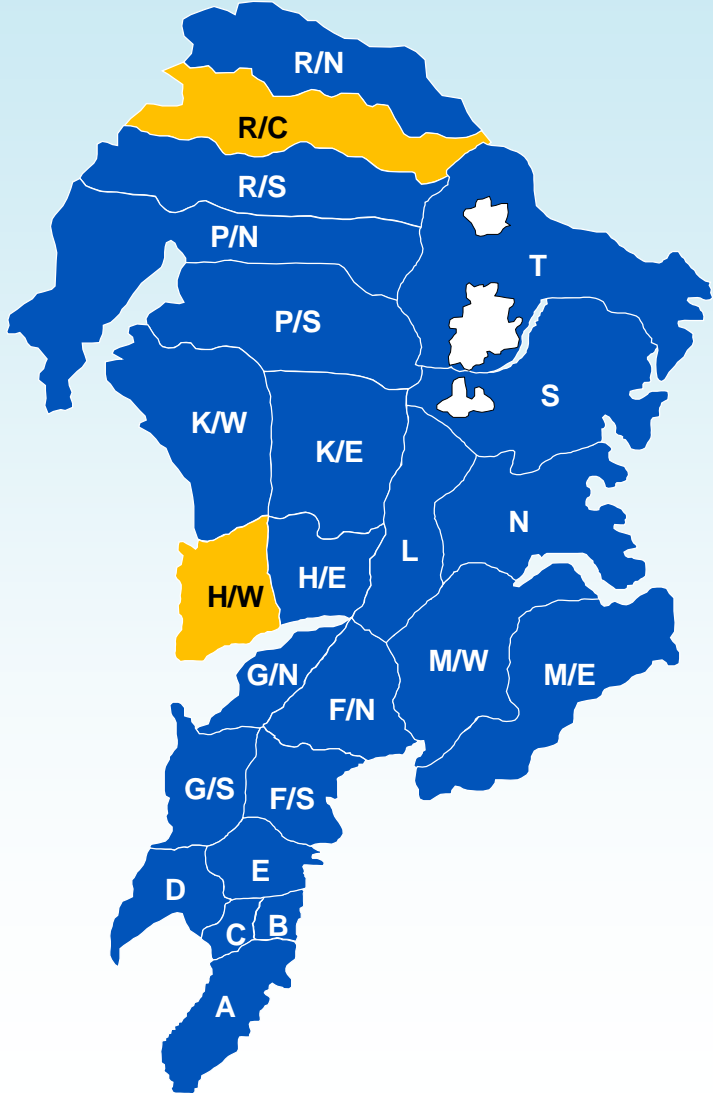
Ward wise reconciliation for Discharged, Deaths and Active is on going <sup>23</sup>

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 19, 2020



# Ward-wise new cases

Positive cases for the last 7 days till Sep 19, 2020<sup>1</sup>

Date of report	HW	RC	KW	RN	D	FN	RS	T	C	MW	PS	B	A	ME	PN	KE	HE	N	E	GN	GS	S	FS	L	Grand Total
Area>>>	Bandra	Borivali	Andheri W	Dahisar	Grant Road	Matunga	Kandivali	Mulund	Marine Lines	Chembur W	Goregaon	Sandhurst Road	Colaba	Chembur E	Malad	Andheri E	Khar	Ghatkopar	Byculla	Dadar	Elphinstone	Bhandup	Parel	Kurla	
As on 12th Sep	4940	10056	9666	4678	7313	6350	8641	7446	2353	4772	5887	1405	4118	5453	9967	9908	5429	8449	6303	9257	6817	8611	7356	6681	161856
13-Sep	80	167	146	68	126	82	116	107	37	64	83	25	74	45	112	119	67	66	49	86	71	68	62	41	1961
14-Sep	84	172	171	85	107	100	137	137	22	80	85	25	23	126	134	112	70	90	74	128	65	91	64	51	2233
15-Sep	81	142	156	35	81	58	105	73	17	39	57	12	37	42	89	93	43	60	36	49	39	49	44	56	1493
16-Sep	124	196	192	84	118	110	113	132	32	61	91	20	53	51	125	143	66	84	70	77	73	55	60	55	2185
17-Sep	111	194	144	88	103	94	160	92	37	78	79	14	62	75	121	142	40	122	62	107	69	130	71	51	2246
18-Sep	72	179	163	82	128	93	114	101	48	73	72	19	55	63	134	110	62	106	78	84	77	77	60	51	2101
19-Sep	103	159	151	89	92	103	123	102	39	55	79	13	58	51	109	91	71	96	74	101	74	106	101	71	2111
As on 19th Sep	5595	11265	10789	5209	8068	6990	9509	8190	2585	5222	6433	1533	4480	5906	10791	10718	5848	9073	6746	9889	7285	9187	7818	7057	176186
Days to double	39	43	44	45	49	51	51	51	52	54	55	56	58	61	61	62	65	68	71	73	73	75	80	89	57

**Wards <= 45 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 19, 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**

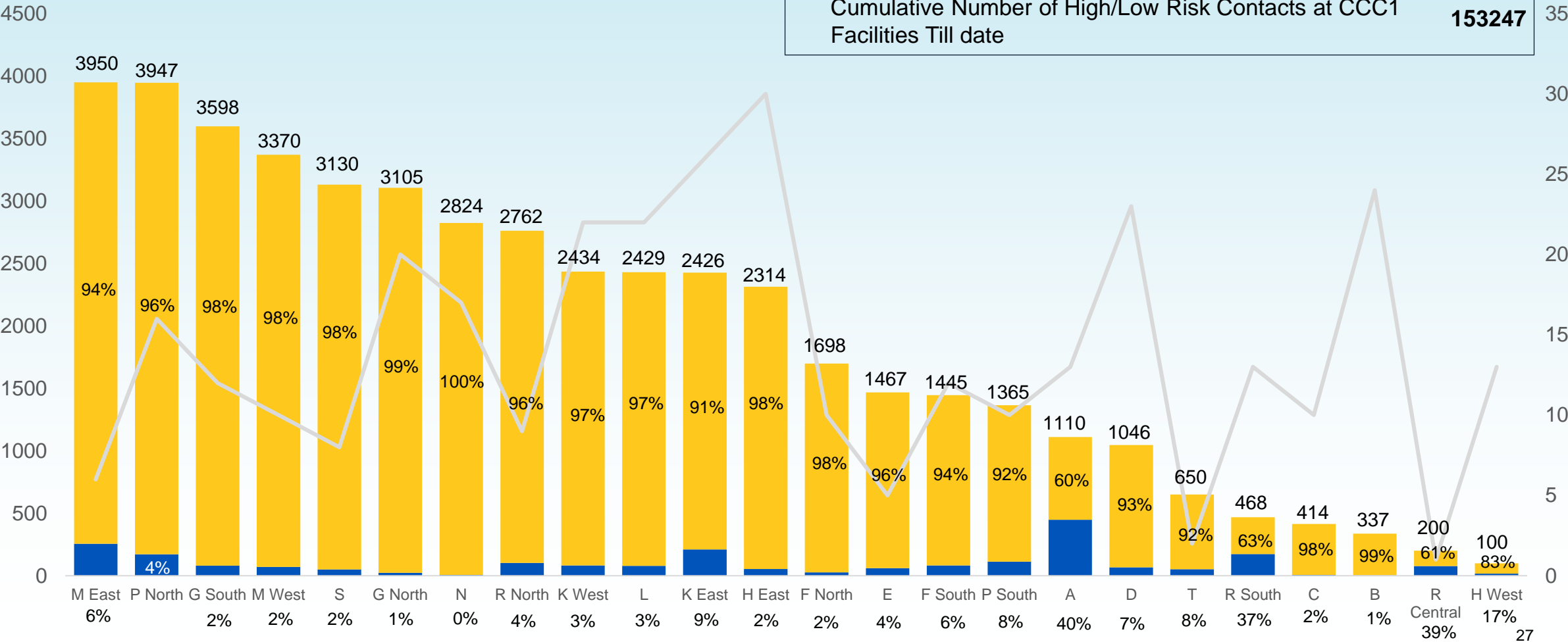
Other initiatives



# Ward-wise bifurcation of CCC1 facilities

Ward-wise data for Sep 19, 2020

No. of CCC1 Facilities identified for High/Low Risk Contacts	334
Number of High/Low Risk Contacts shifted to CCC1 Facilities:	2316
Available capacity	44273
Total Capacity	46589
Cumulative Number of High/Low Risk Contacts at CCC1 Facilities Till date	153247



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

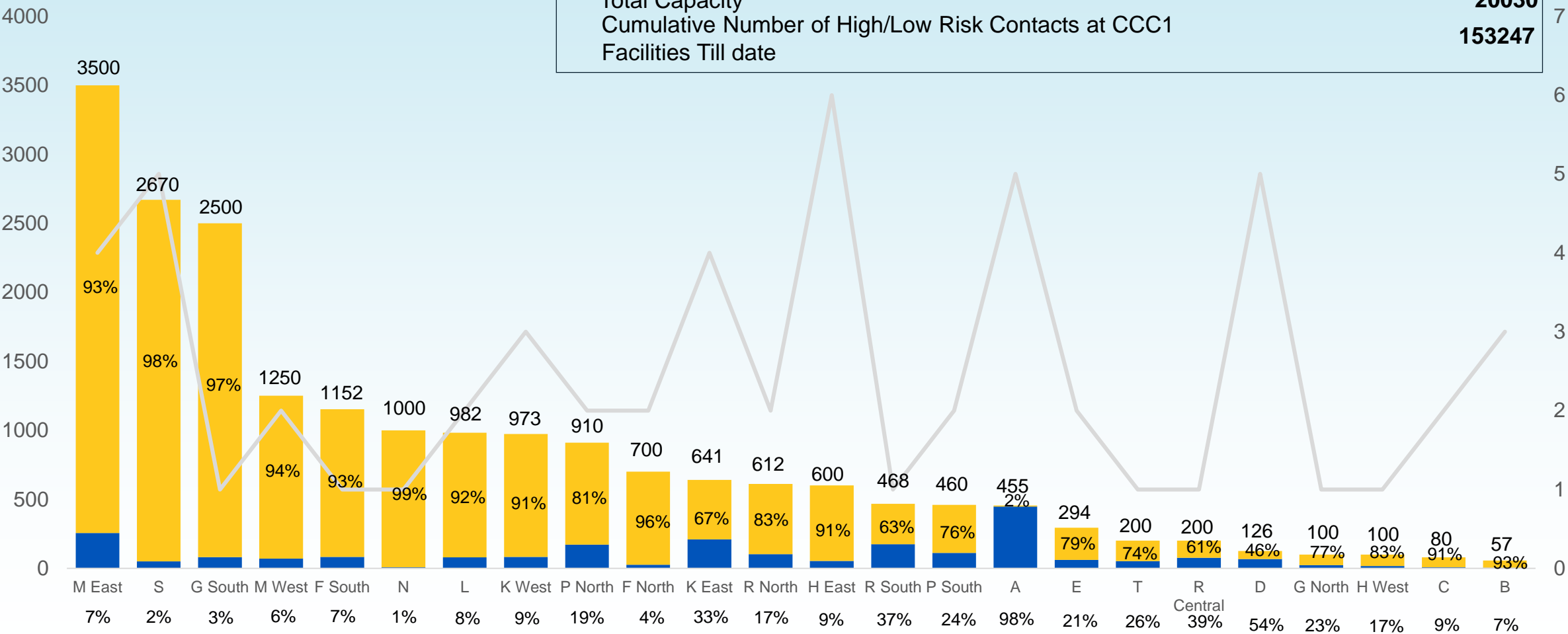
Data subject to change after scrutiny and ongoing verification process



# Ward-wise bifurcation of ACTIVE and BUFFER CCC1 facilities

Ward-wise data for Sep 19, 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:	2316
Available capacity	17714
Total Capacity	20030
Cumulative Number of High/Low Risk Contacts at CCC1 Facilities Till date	153247



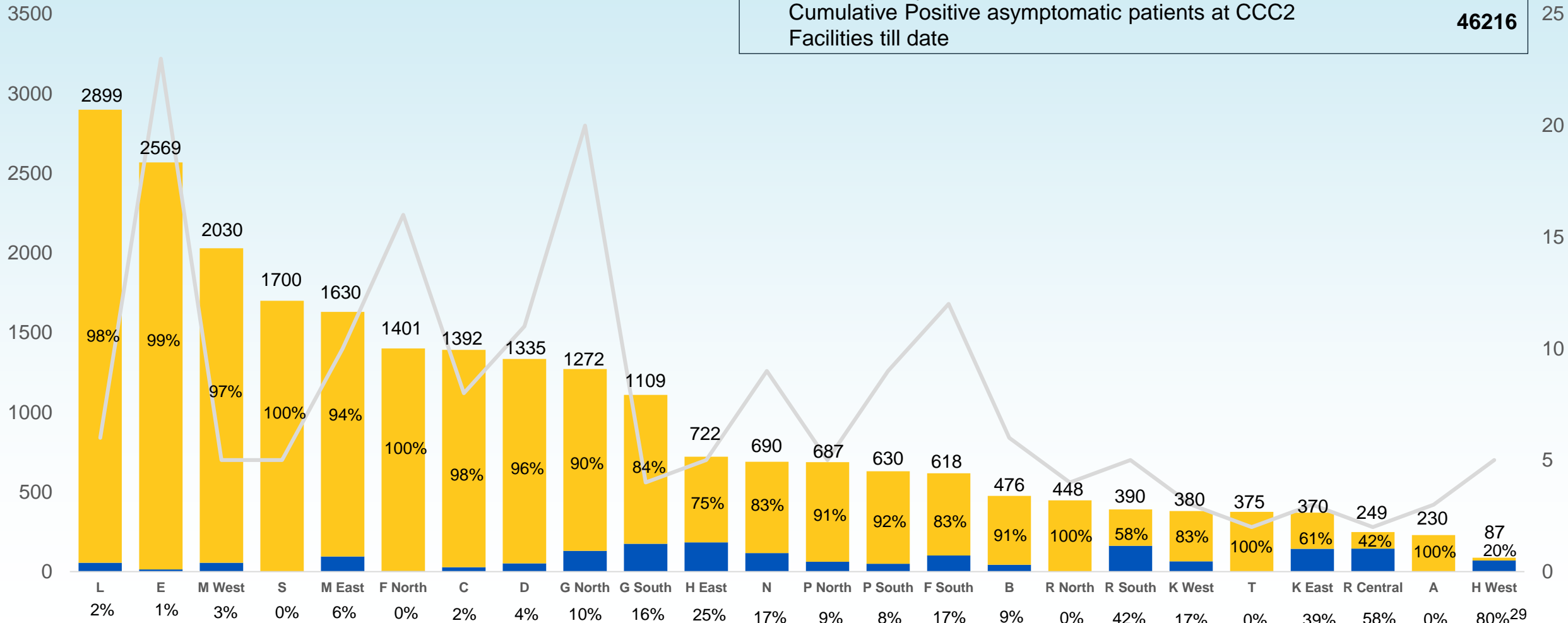




# Ward-wise bifurcation of CCC2 facilities

Ward-wise data for Sep 19, 2020

No. of CCC2 Facilities Identified for Positive Asymptomatic Patients	181
Number of positive asymptomatic patients shifted to CCC2 Facilities	1752
Available capacity	21937
Total Capacity	23689
Cumulative Positive asymptomatic patients at CCC2	46216
Facilities till date	



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

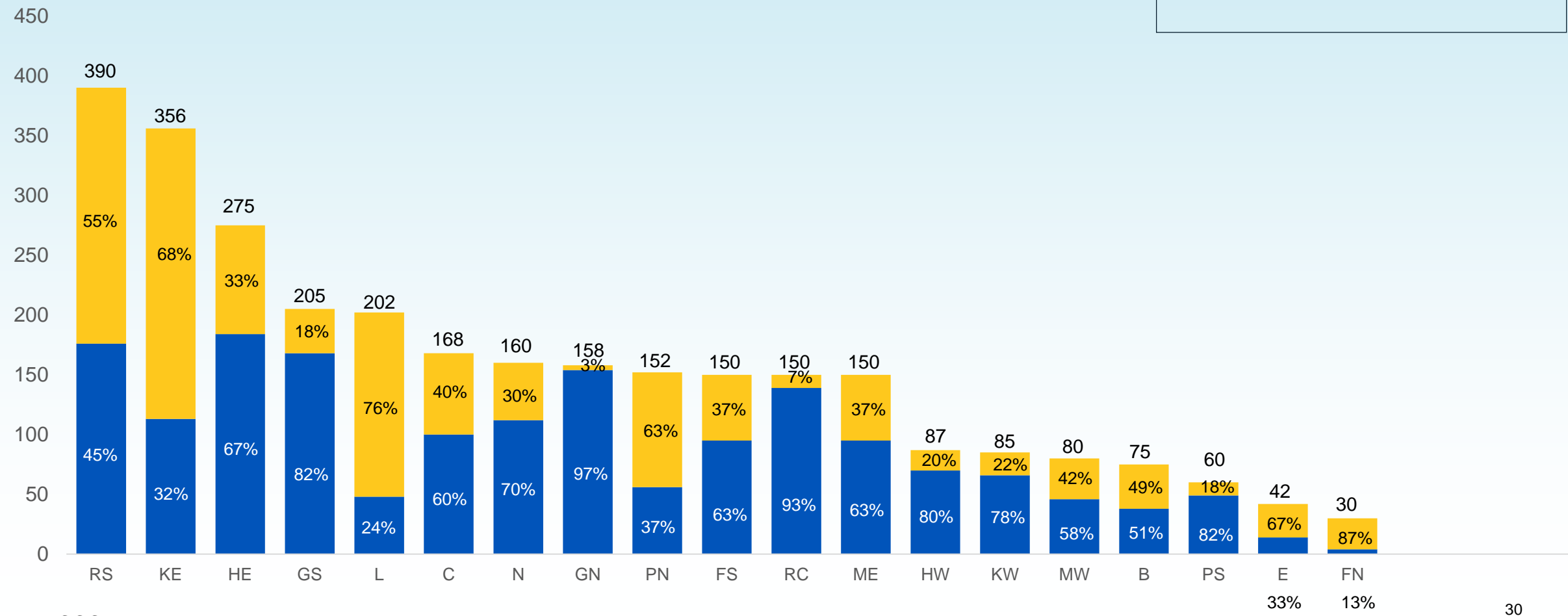
Data subject to change after scrutiny and ongoing verification process



# Ward-wise bifurcation of ACTIVE CCC2 facilities

Ward-wise data for Sep 19, 2020

Beds occupied	1727
Available capacity	1248
Total capacity	2975
Cumulative patients till date	38508

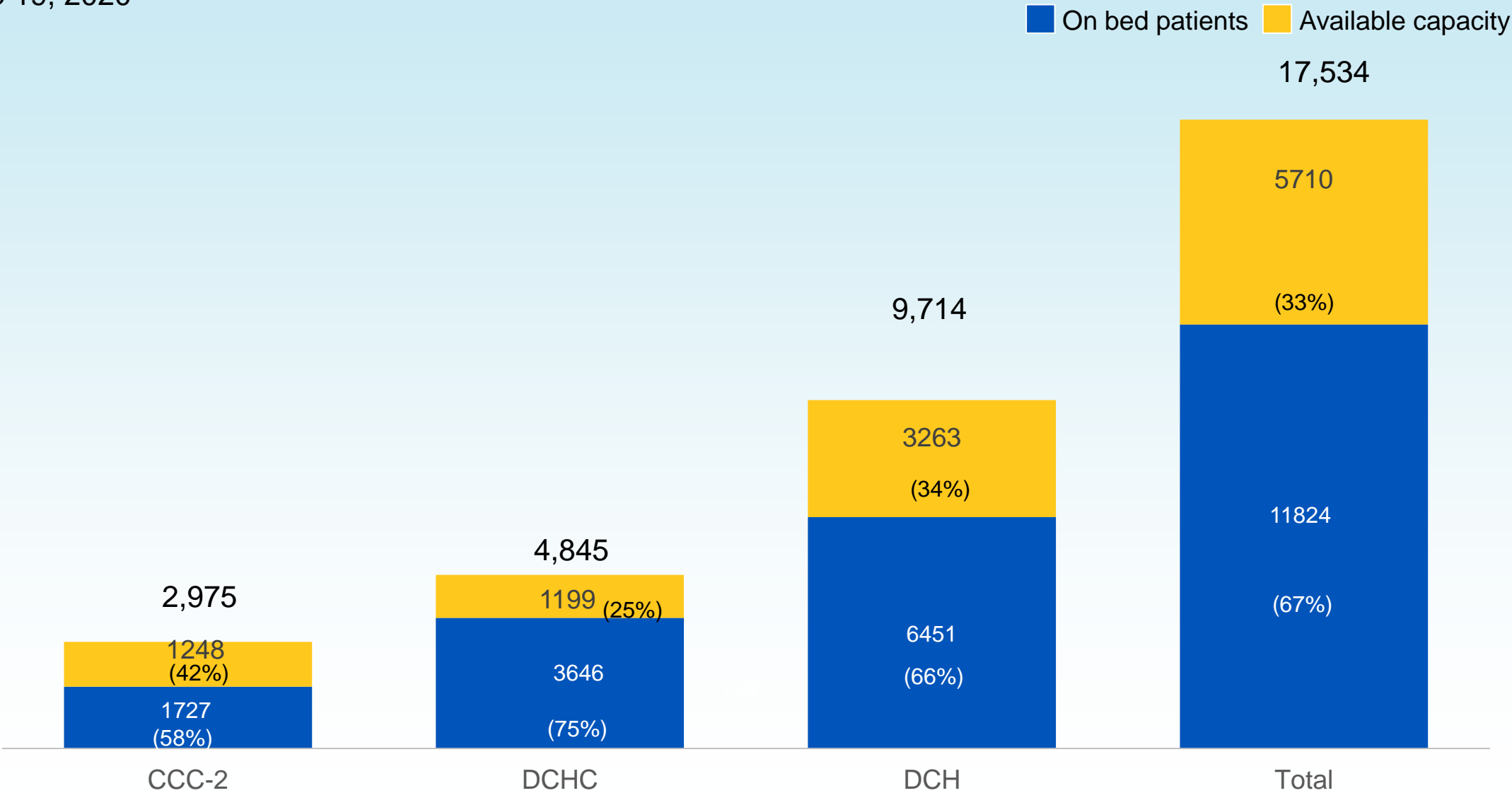


Source: "CCC2 line list"

Data subject to change after scrutiny and ongoing verification process

# Summary of total bed capacity

As of Sep 19, 2020



Source: At a glance facilities & DMU dashboard

Data subject to change after scrutiny and ongoing verification process

# Covid19 Bed Management

Data as on 03:00 PM, Sep 20, 2020 , Subject to change

Covid Beds	Capacity	Occupancy	Vacancy
<b>Total</b>	<b>14,559</b>	10,097	<b>4,462</b>
ICU Beds	1,786	1,610	176
Regular	1,752	1,589	163
Pediatric ICU	12	6	6
Neonatal ICU	22	15	7
Normal Beds	12,773	8,487	4,286
Quarantine for Suspect	994	641	353
Isolation for Positives	11,376	7,627	3,749
Pregnancy	218	102	116
Others (Cancer + Dialysis)	185	117	68
<i>O2 Beds*</i>	8,805	5,975	2,830
<i>Ventilators*</i>	1,119	1,014	105

# Summary of total bed capacity

Data as on 03:00 PM, Sep 20, 2020 , Subject to change

		COVID Beds				
		Total	ICU Beds	Normal Beds		O2 Beds* Ventilators*
Capacity	Total	14,559	1,786	12,773		8,805 1,119
	Public Hospitals	10,805	902	9,903		6,442 703
	Pvt Hospitals	3,754	884	2,870		2,363 416
Occupancy	Total	10,097	1,610	8,487		5,975 1,014
	Public Hospitals	6,949	804	6,145		4,006 630
	Pvt Hospitals	3,148	806	2,342		1,969 384
Vacancy	Total	4,462	176	4,286		2,830 105
	Public Hospitals	3,856	98	3,758		2,436 73
	Pvt Hospitals	606	78	528		394 32

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



## Key Trends

Contact tracing and home quarantine

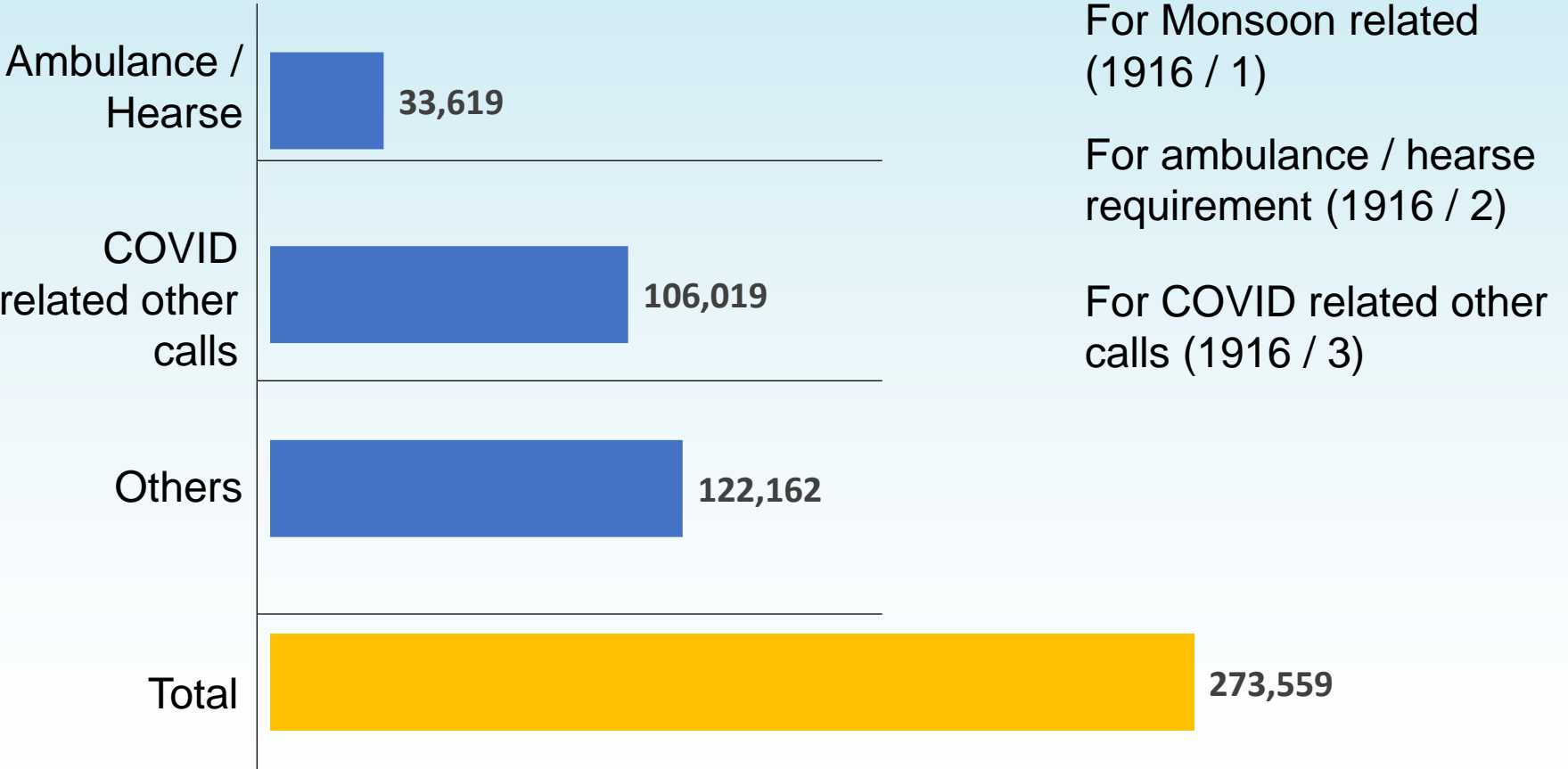
Status of COVID19 Positive Cases

Bed Capacity

**Other initiatives**

# Call Center update

For all calls received from April 24 to Sep 19, 2020





# Management of Waste from Quarantined Areas

## September 17, 2020



### Waste Collected (in Kgs)

COVID BMW (in Kgs)  
**8,362**

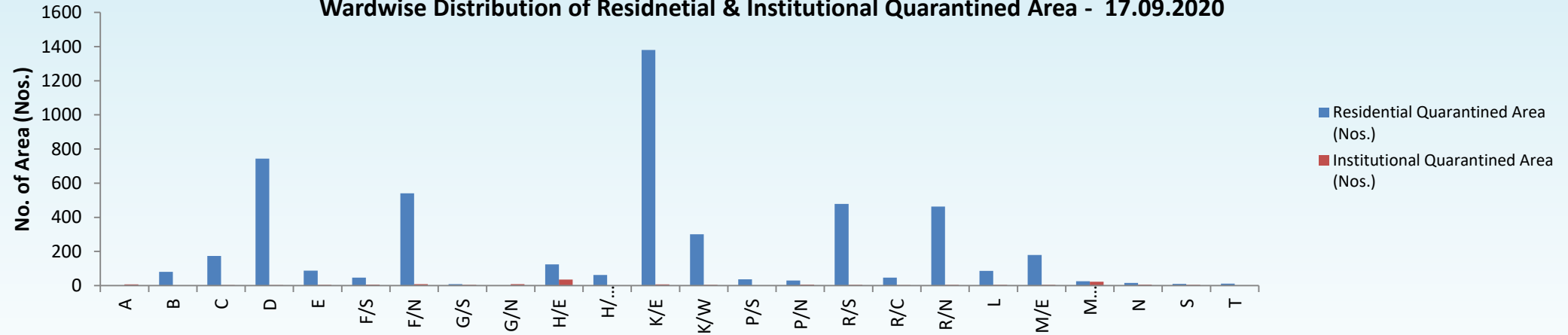
MCGM Quarantine BMW (in Kgs)  
**3,869**

Total BMW (in Kgs):  
**12,231.0**

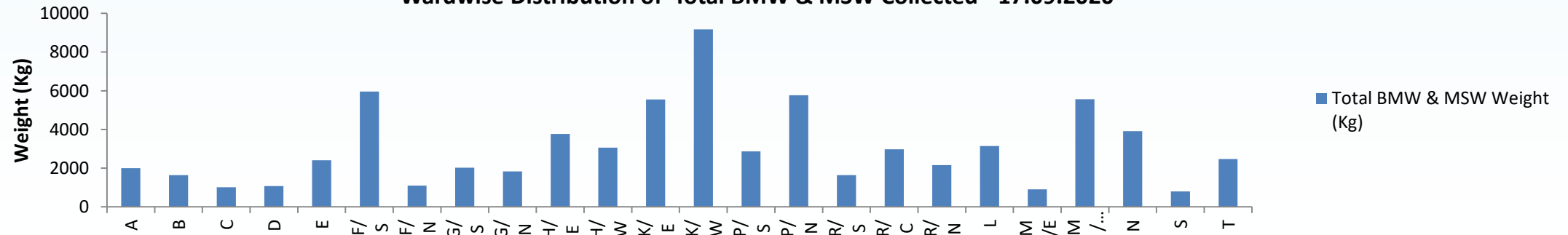
Total MSW Collected by MCGM from Quarantined Area (in Kgs):  
**68,920.0**

Total MSW & BMW Collected by MCGM from Quarantined Area(in Kgs): **81,151**

### Wardwise Distribution of Residential & Institutional Quarantined Area - 17.09.2020



### Wardwise Distribution of Total BMW & MSW Collected- 17.09.2020



# Thank you

