

BMC Covid-19 Response War Room Dashboard

Sep 18, 2020



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Mumbai COVID19 status at a glance

As of Sep 17, 2020

COVID19 Case Analysis		COVID19 Bed Management (As on 02:00 PM, Sep 18, 2020)		CCC1 Facilities			Contact Tracing	Past 24hrs	Cumulative
Total Positive	1,78,275	Bed Capacity (DCHC+DCH+CCC2)	17,534	Facilities (#)	Bed Capacity	Occupancy	Total Traced	36,104	26,98,277
Discharged	1,36,739	Occupied	11,895				High Risk	20,751	10,23,795
Deaths	8,320	Available	5,639	Total	334	46,589	2,294	Low Risk	15,353
(Deaths with Age > 50yrs – 6,995)		DCH & DCHC Bed Capacity	14,559	Active	43	17,698	2,294	Total Quarantine Completed	23,19,413
Total Active	32,849	Occupied	10,054	Buffer	14	2,147	-	Currently in Home Quarantine	3,76,570
Stable – Asymptomatic	23,456	Available	4,505	Reserve [#]	277	26,744	-	Others	
Stable - Symptomatic	8,128	ICU Bed Capacity	1,786	CCC2 Facilities			Senior Citizens Screened till date		10,17,519
Critical	1,265	Occupied	1,583	Facilities (#)	Bed Capacity	Occupancy	Senior Citizens with SPO2 > 95		10,14,337
Tests Done (till date)	9,77,722	Available	203	Total	181	23,590	1,827	Active Containment Zones – Slums & Chawls	585
% of Positive (till date)	18.23	O2 Bed Capacity	8,805	Active	24	2,928	1,827	Active Sealed Buildings	9,665
		Occupied	5,919	Buffer	13	2,265	-	Calls Centre Calls Flow	2,70,831
		Available	2,886	Reserve [#]	144	18,397	-		
		Ventilator Bed Capacity	1,119	# Facilities that have been deactivated and can be used as per need					
		Occupied	1,005						
		Available	114						

Ward wise positive cases

Wards	HW	RC	KW	RN	RS	T	D	PS	B	FN	MW	C	A	KE	PN	HE	ME	N	GN	E	GS	S	FS	L	Overall Mumbai
Positive Cases	5420	10927	10475	5038	9272	7987	7848	6282	1501	6794	5094	2498	4367	10517	10548	5715	5792	8871	9704	6594	7134	9004	7657	6935	
Days to double	40	41	42	44	45	47	48	51	53	54	54	56	58	58	60	61	62	67	69	72	74	79	81	89	56

1 Ward-wise break up is as on Sep 17, 2020, available for 1,71,974 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

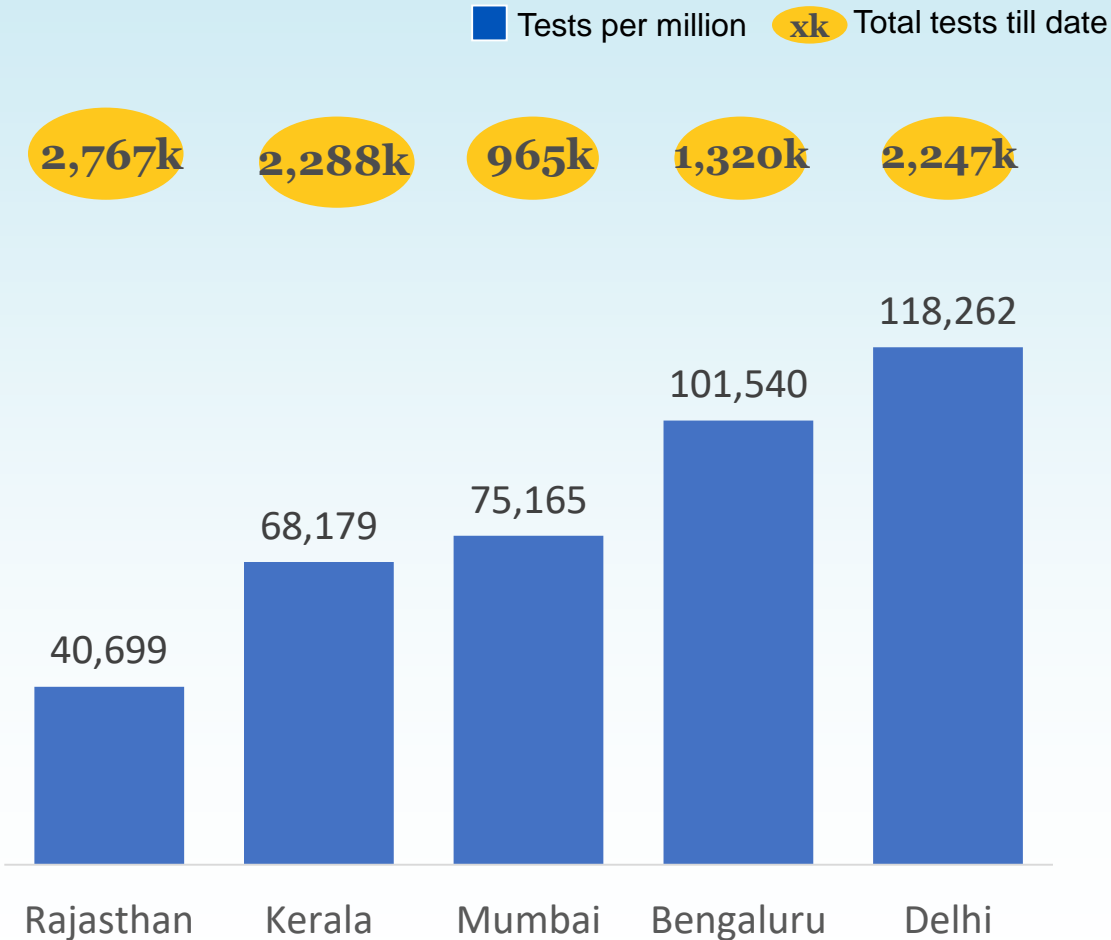
Other initiatives



Tests/ million data for COVID-19

For all tests conducted from Feb 3, 2020 to Sep 17, 2020

Tests per million



Source: Government COVID bulletins as of Sep 17 2020

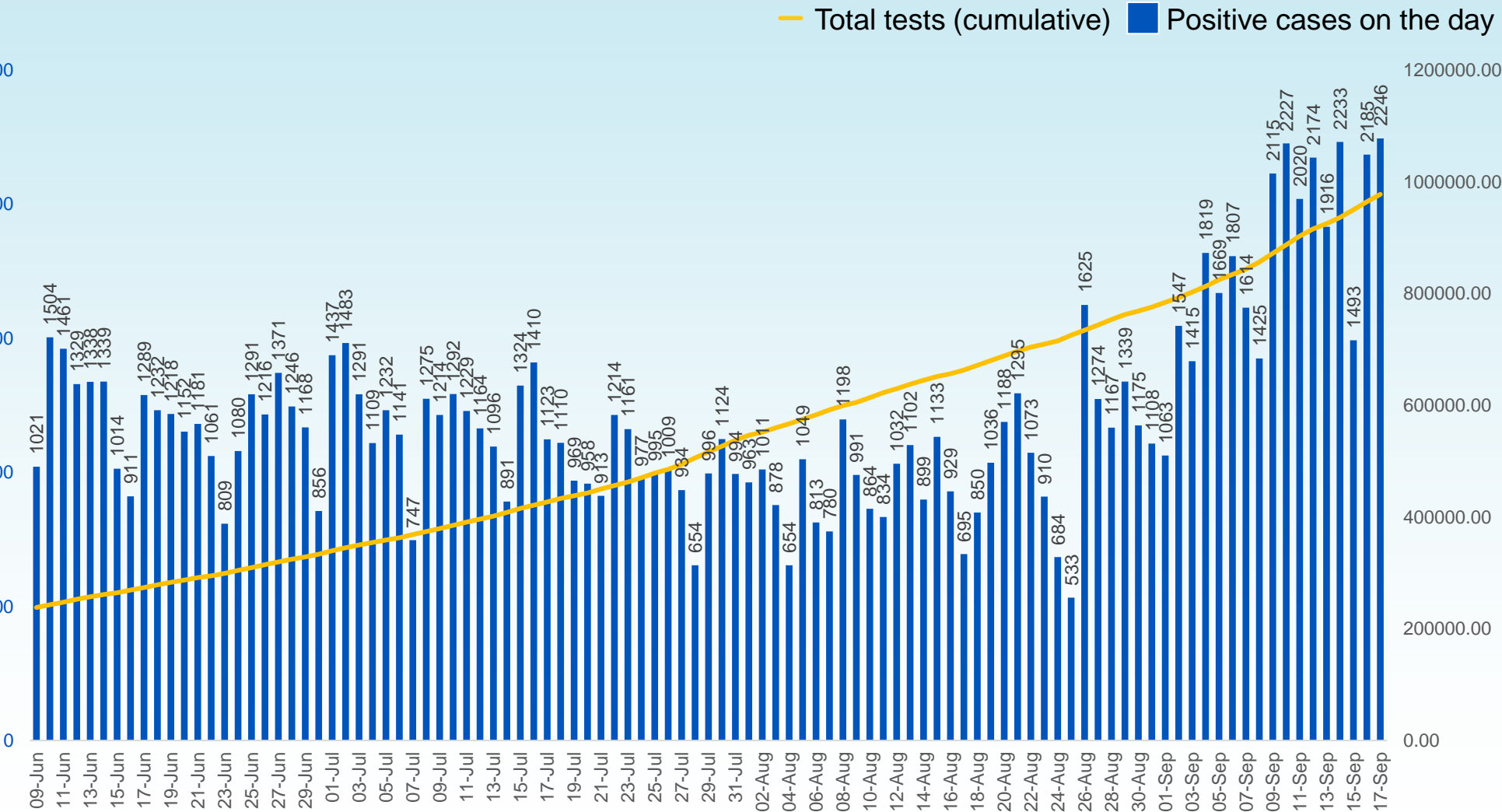
Mumbai is one of the leading cities in tests per million compared to other cities

State	Cases	Tests	Tests per million
Bengaluru	184,082	1,320,015	101,540
Mumbai	178,275	977,722	75,165
Delhi	225,796	2,246,978	118,262
West Bengal	215,580	2,654,070	29,416
Gujarat	118,926	3,606,618	58,171
Kerala	122,214	2,287,796	68,179
Maharashtra	1,145,840	5,700,173	46,134
Rajasthan	110,283	2,767,508	40,699
Tamil Nadu	525,420	6,217,923	186,234

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 17, 2020



Summary till date

1,78,275¹

Total positive cases

9,77,722

Total tests conducted

18.23%²

Positive cases as a % of total tests

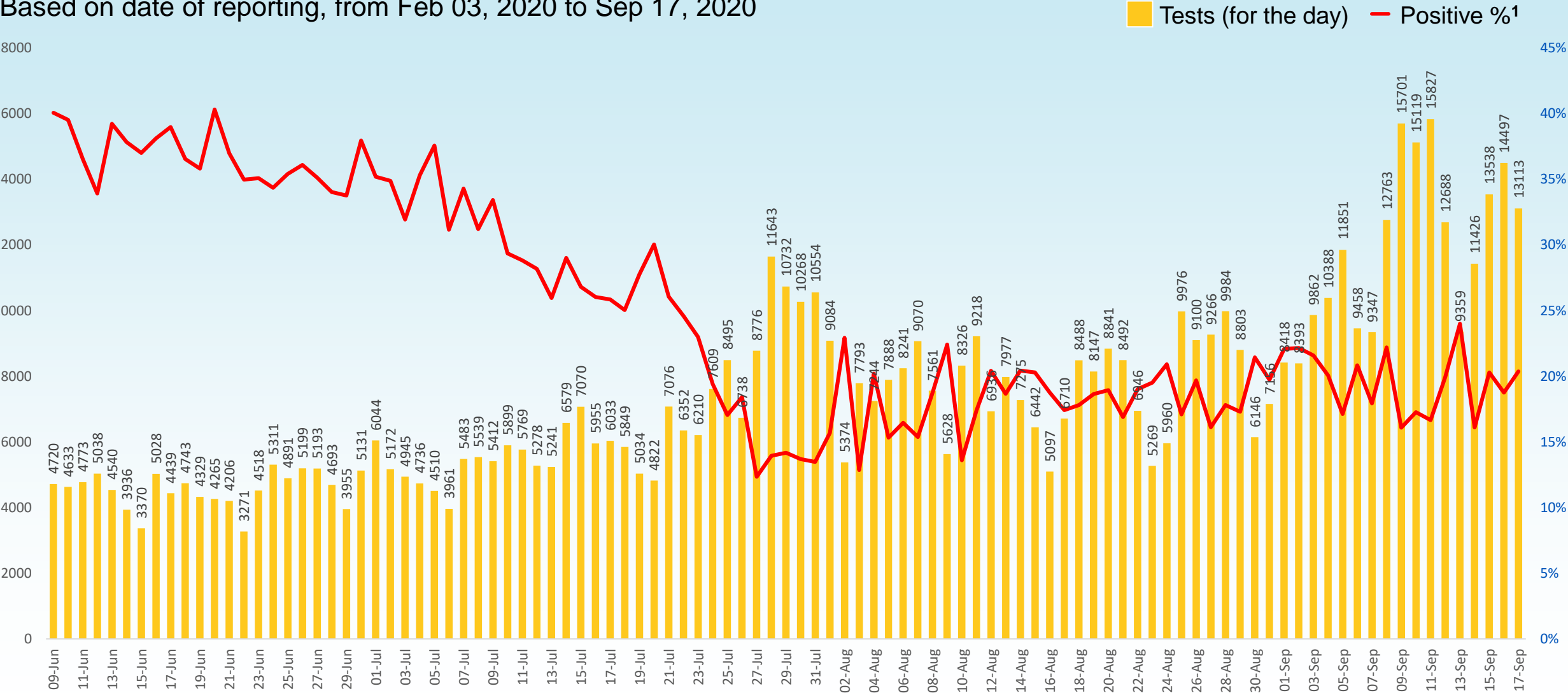
1 Total Positive cases as on Sep 17, Total cases as of Sep 17 as per line list is 1,71,974

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

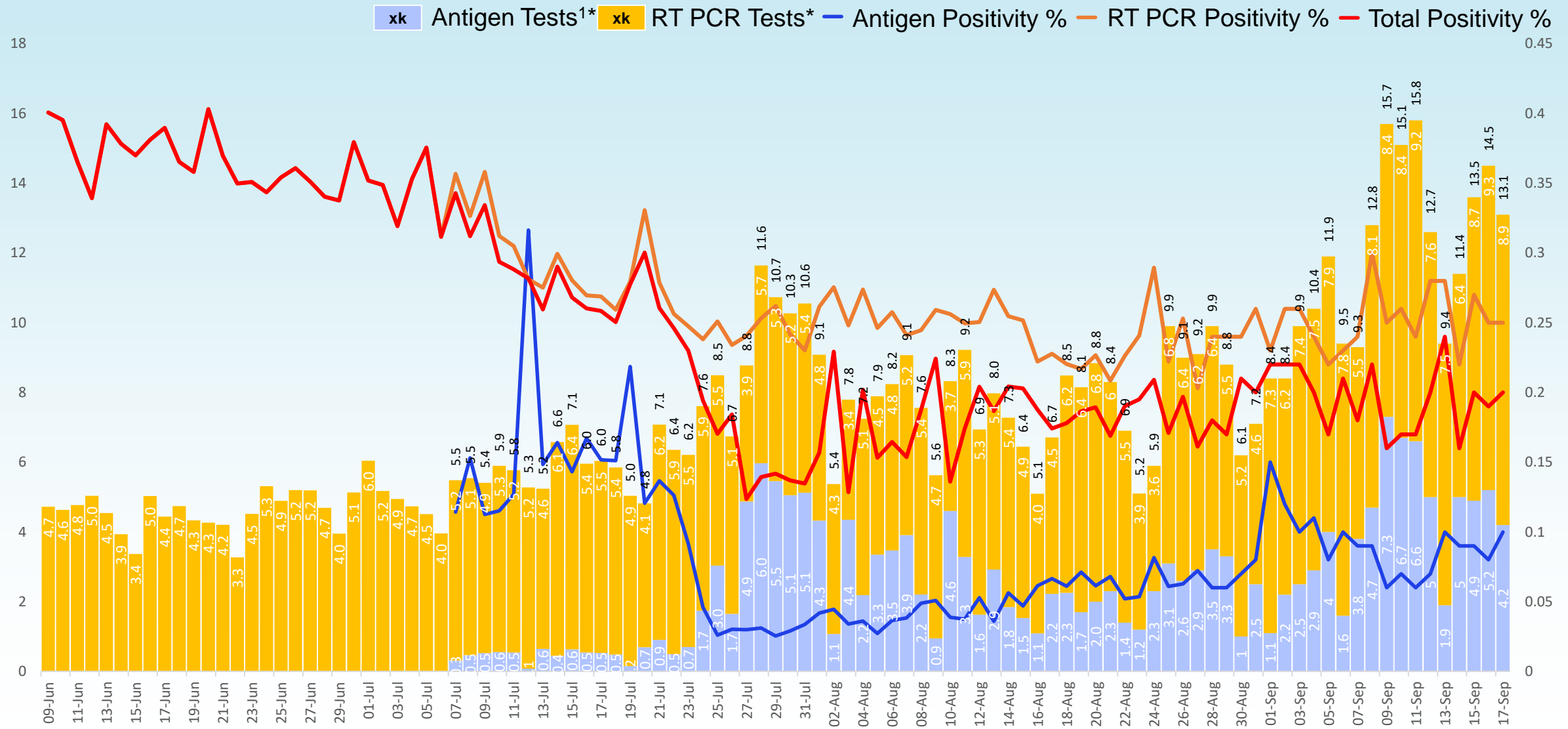
Trend of positive cases vis-à-vis total tests

Based on date of reporting, from Feb 03, 2020 to Sep 17, 2020



¹Positive samples for the day as a % of total tests for the day;
 Positive Samples include duplicates with ICMR (~14%) 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



¹Data for Antigen tests is available from Jul 07 onwards

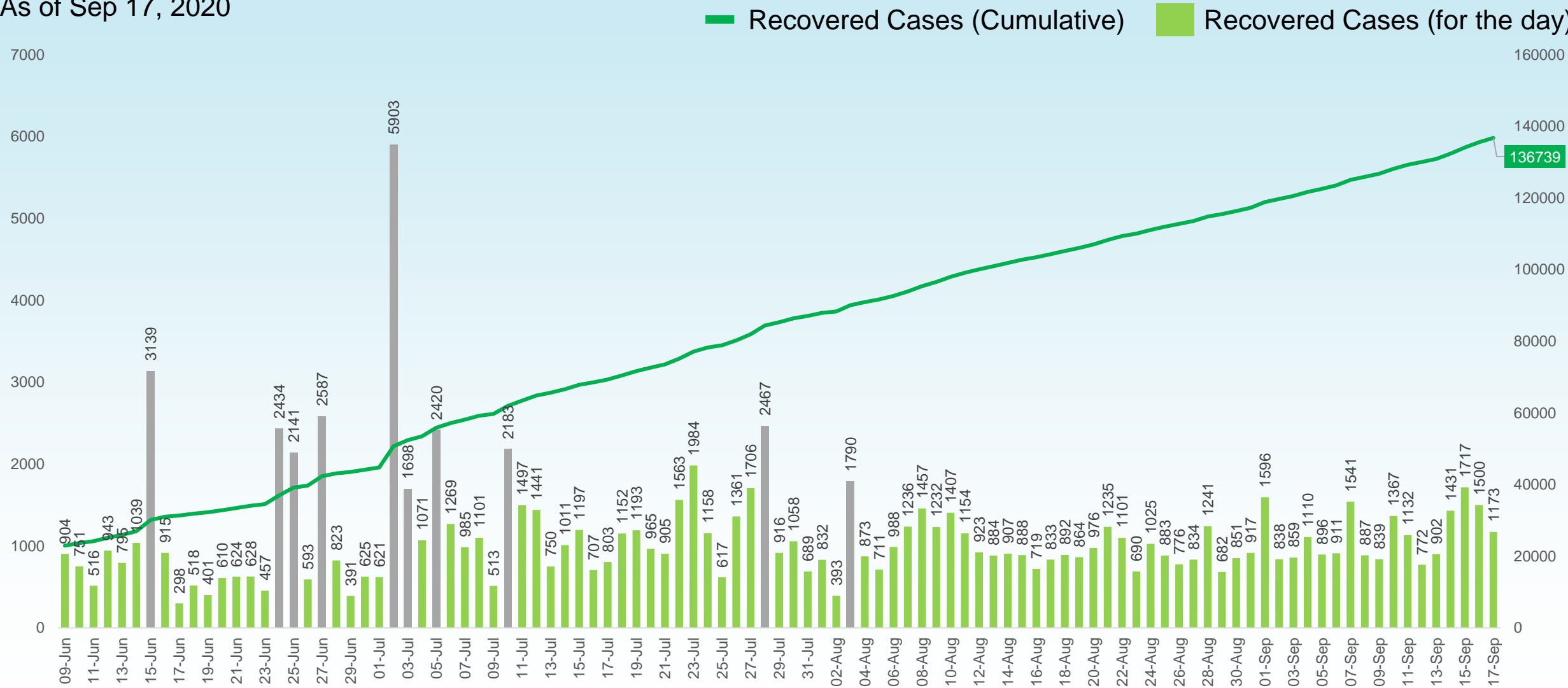
Source: Covid-19 daily update by the Public Health Department, BMC

*The tests data is in thousands

Data subject to change after scrutiny and ongoing verification process

Trend of Recovered Cases

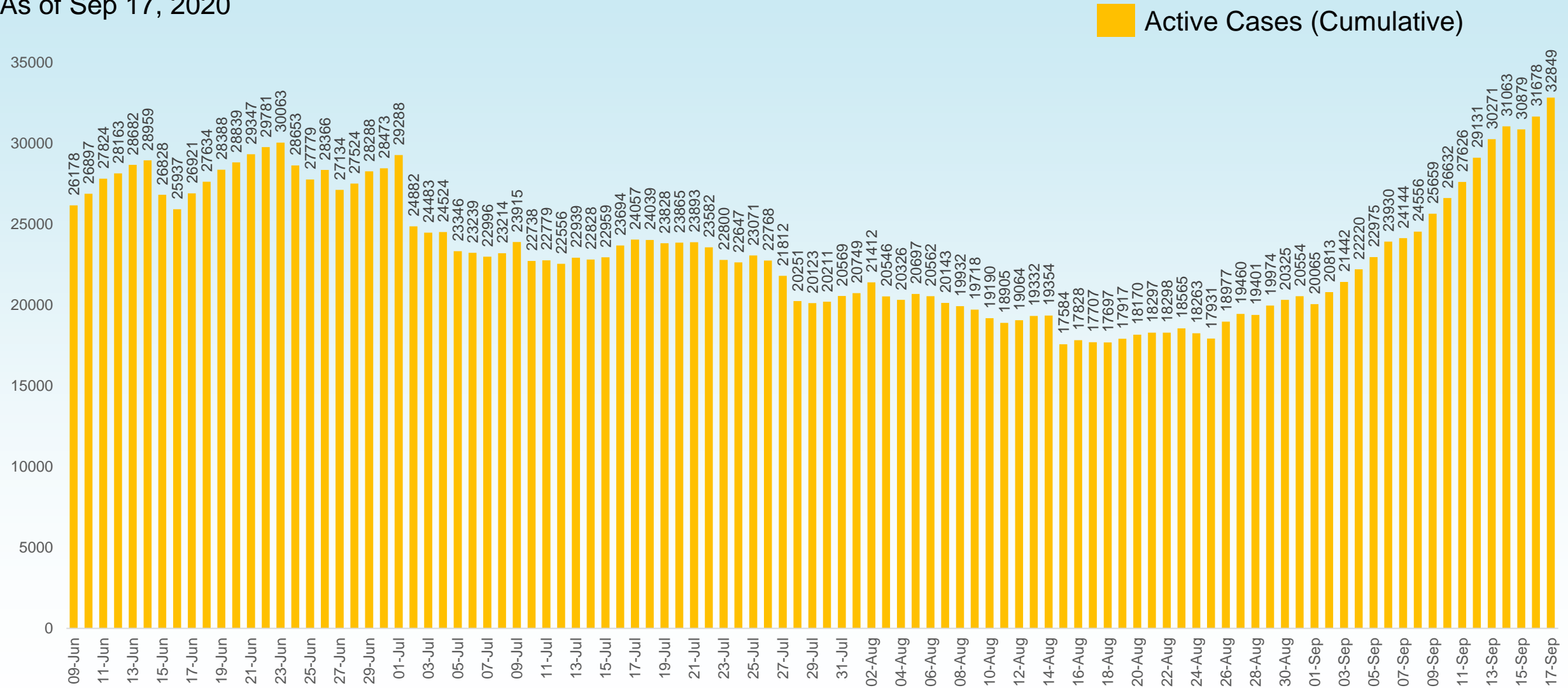
As of Sep 17, 2020



¹Spikes refer to reconciliation and updation for previous days

Trend of Active Cases

As of Sep 17, 2020

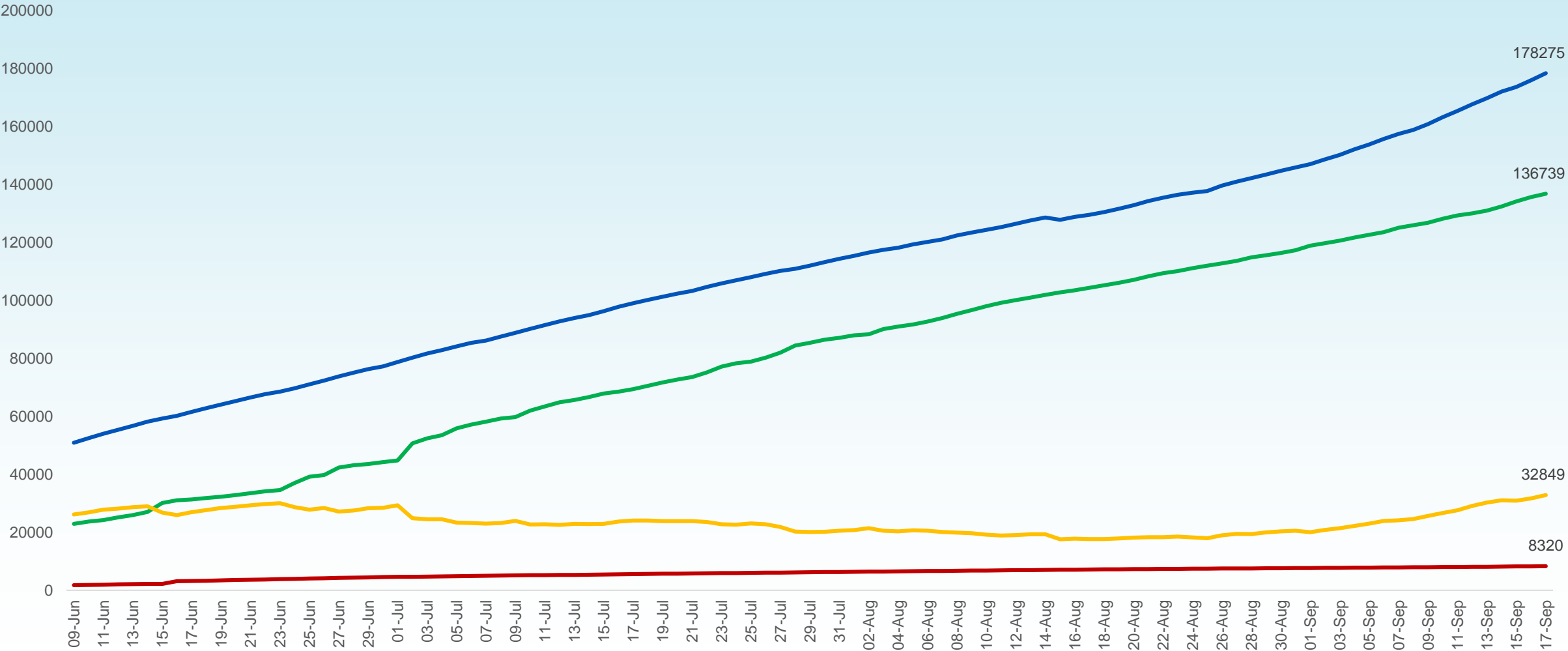




Case summary for Mumbai

As of Sep 17, 2020

Confirmed cases Deaths Recovered cases Active cases





Key Trends

Contact tracing and home quarantine

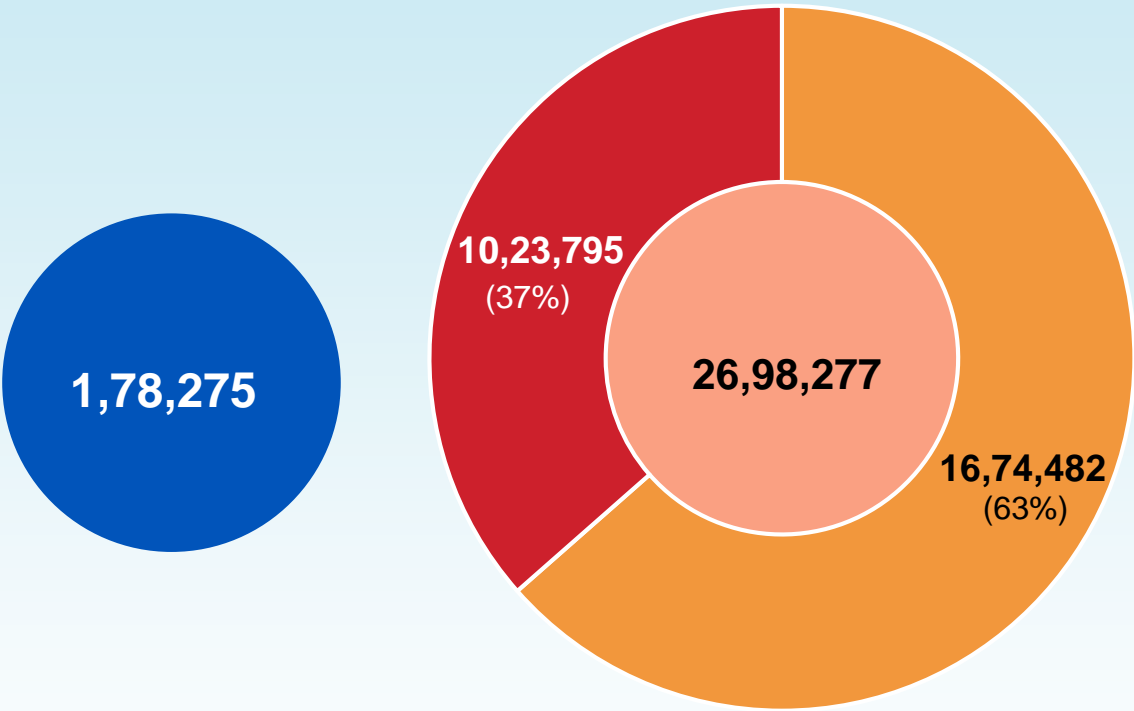
Status of COVID19 Positive Cases

Bed Capacity

Other initiatives

Update on contact tracing

Summary as of Sep 17, 2020



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

23,19,413
Completed quarantine

3,76,570
In home quarantine,

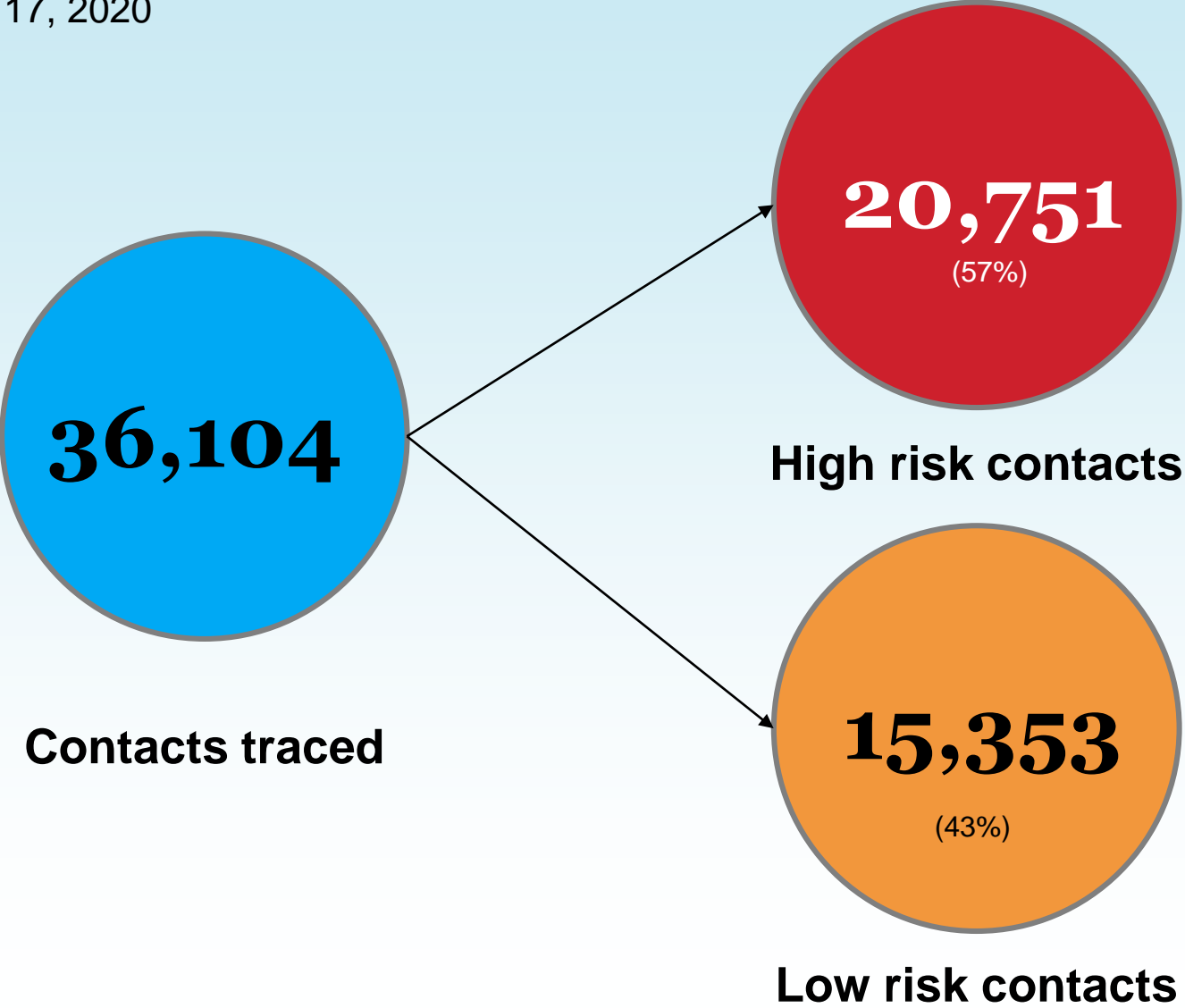
2,294
Currently at institutional
quarantine facilities

1,52,588
Shifted to institutional
quarantine facilities till date

Source: Quarantine numbers from BMC Contact Tracing Report as on Sep 17, 2020; shift to Institutional facilities from "CCC1 and CCC2 Facilities"

Contact tracing report for last 24 hours

Summary as of Sep 17, 2020



Source: Quarantine numbers from BMC Contact Tracing Report as on Sep 17, 2020; shift to Institutional facilities from "CCC1 and CCC2 Facilities"

Data subject to change after scrutiny and ongoing verification process



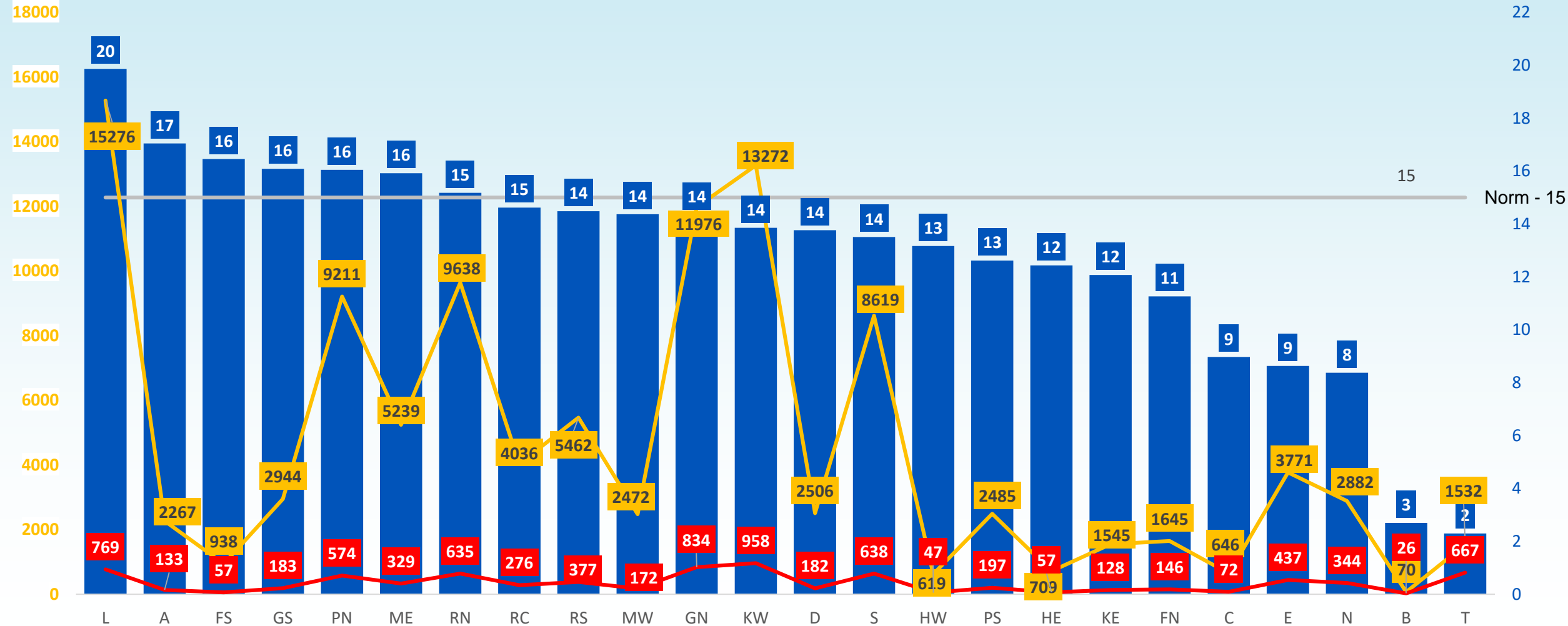
Chase the virus: High Risk Contacts for Index Cases in Slums

As of Sep 17, 2020¹

Positive cases from slums (Not being high risk contacts of earlier cases)⁽¹⁾
Total – 8,238*

No of high risk contacts sent to institutional facilities
Total – 1,09,760*

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

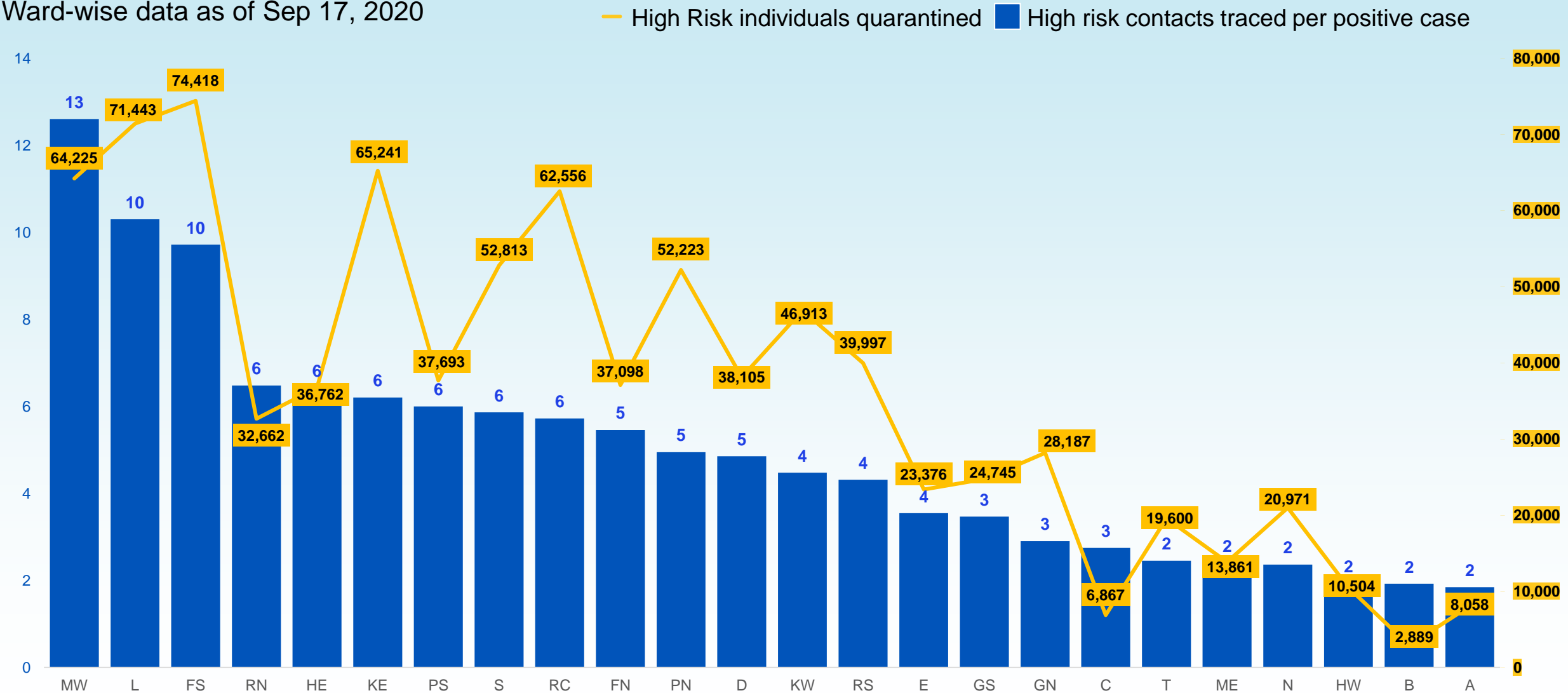


* Data for Ward RN and Ward T is updated as of Sep 16
1 Data since June 03, 2020; Source – Operation – Chase the virus

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

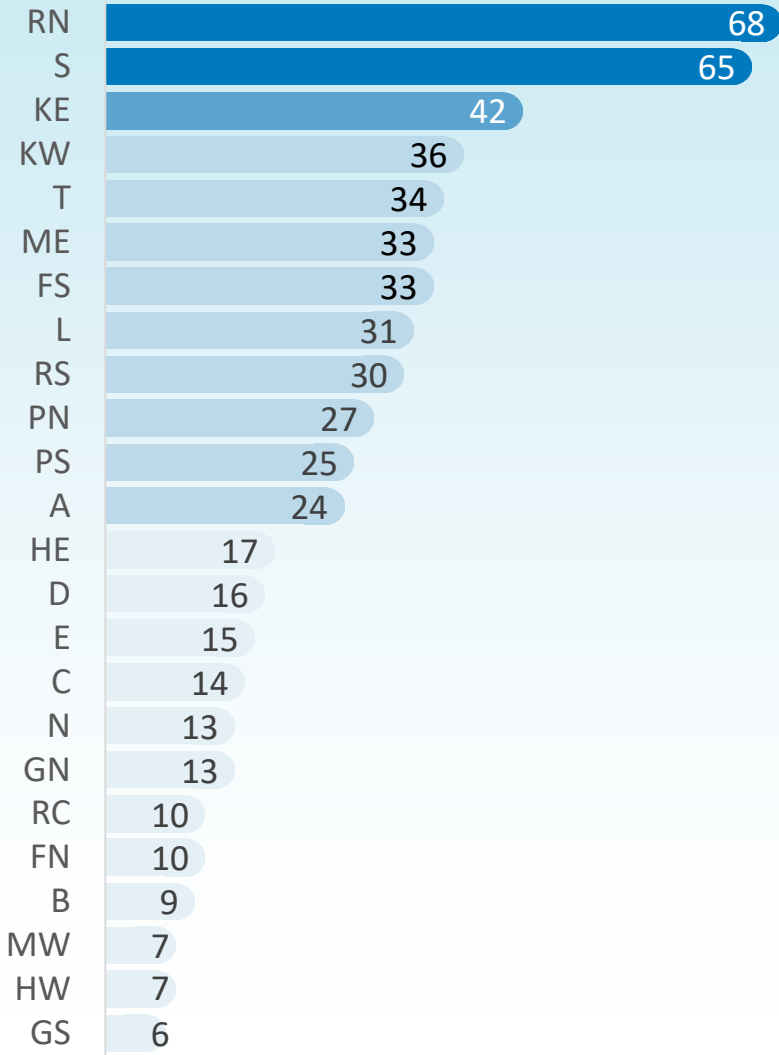
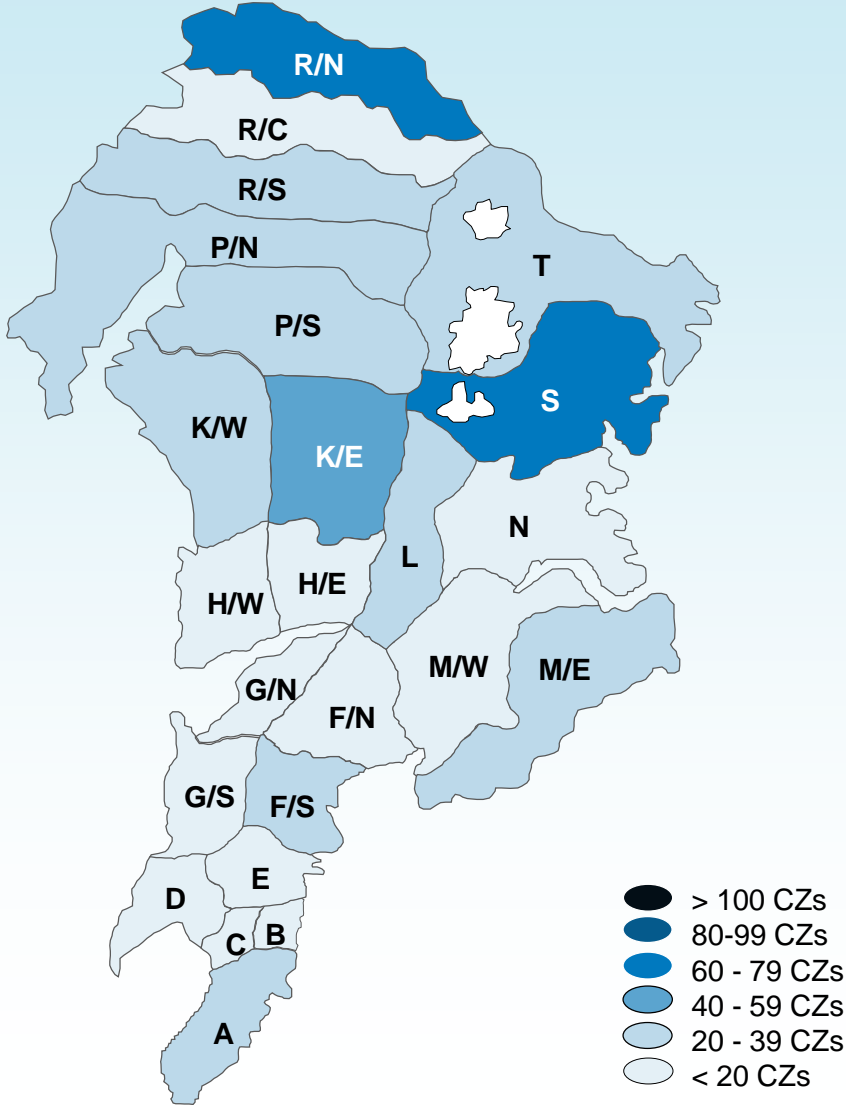


Ward-wise data as of Sep 17, 2020



Ward-wise containment zones – slums and chawls

As of Sep 17, 2020



585
Active

Containment Zones

8.3
lacs

No. of Households

36.1
lacs

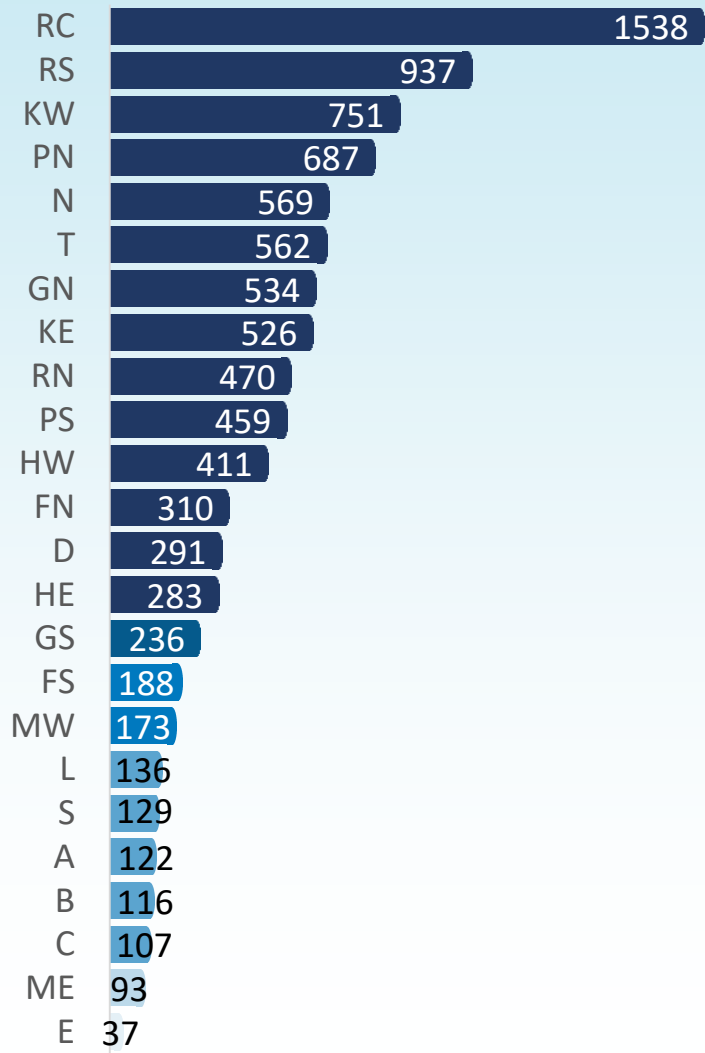
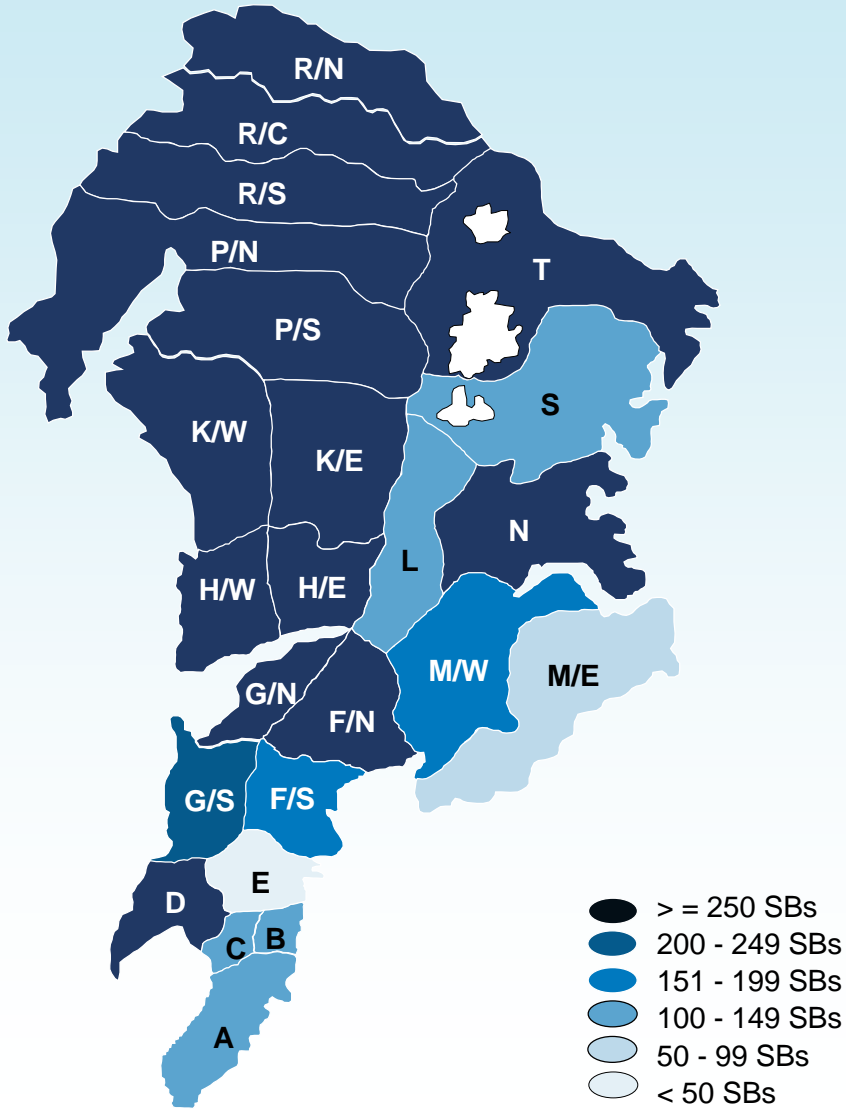
Population

1,048
Released

Containment Zones

Ward-wise sealed buildings

As of Sep 17, 2020



9,665 *Active*
 Sealed Buildings

2.8 *lacs*
 No. of Households

11.2 *lacs*
 Population

24,996 *Released*
 Sealed Buildings



Key Trends

Contact tracing and home quarantine

Status of COVID19 Positive Cases

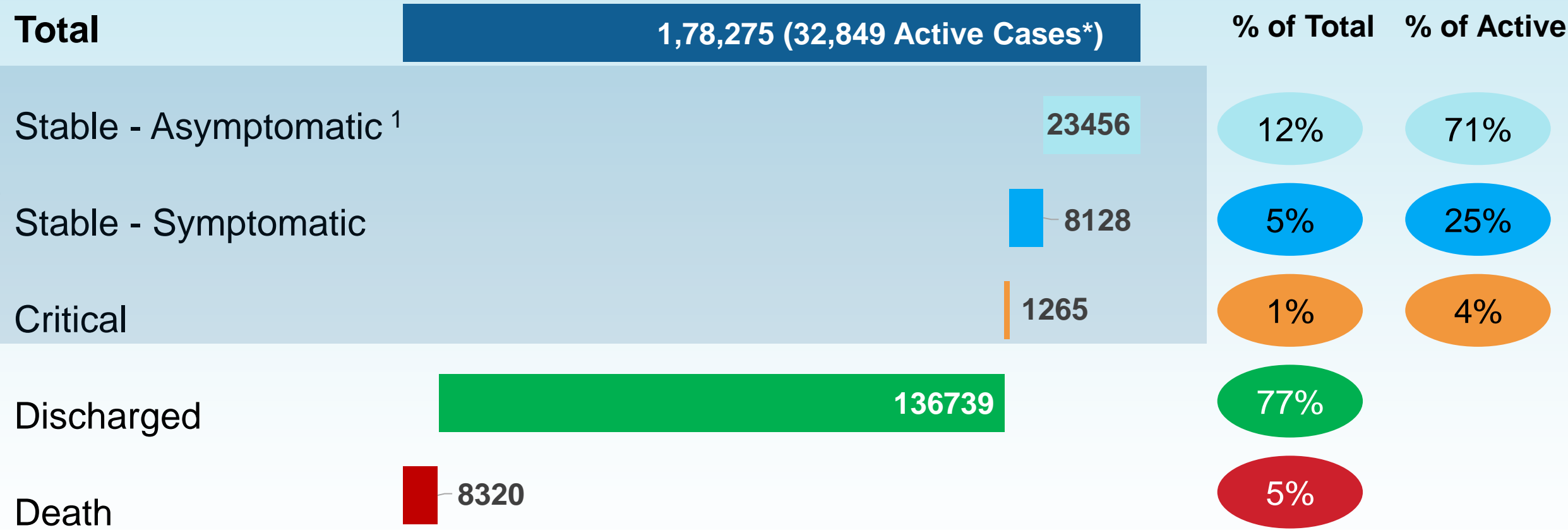
Bed Capacity

Other initiatives



Case summary for Mumbai

As of Sep 17, 2020



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

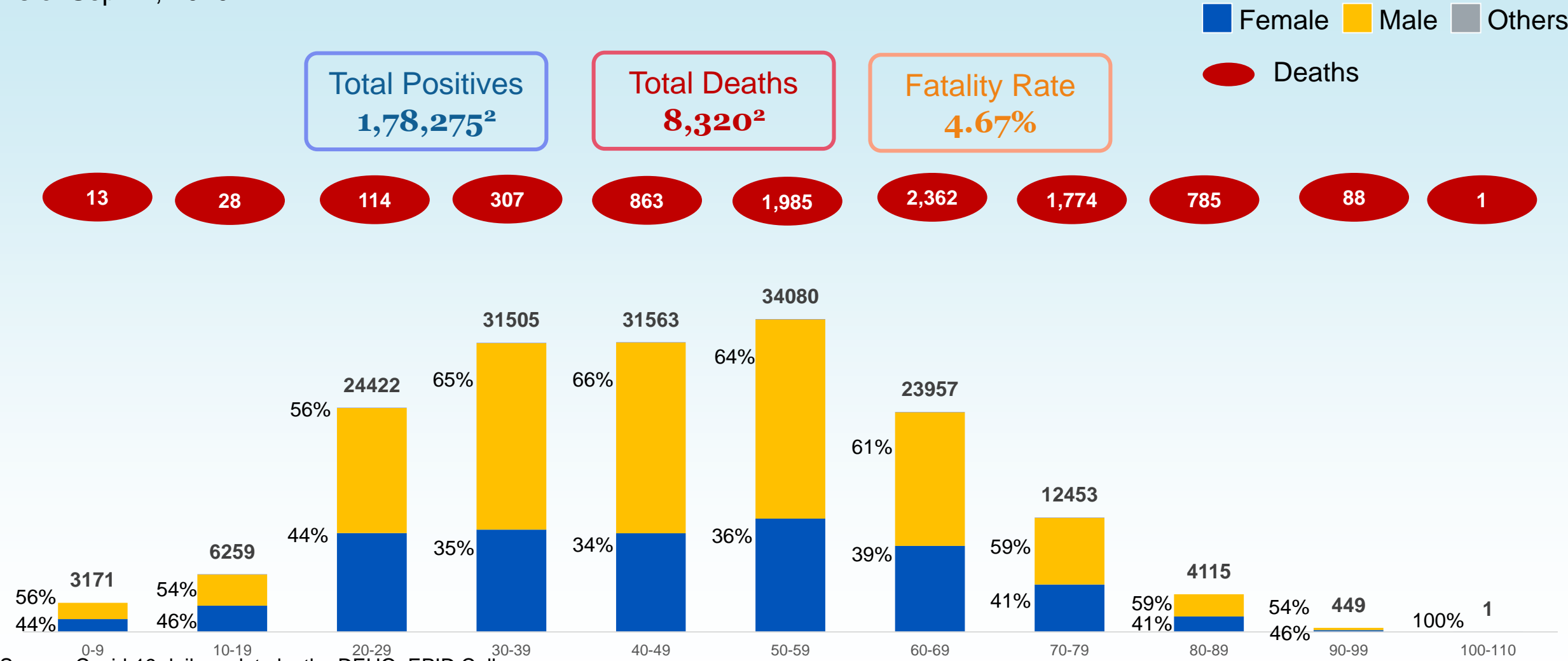
1 As per NCDC ICMR Report, Hospitalized status report (after deducting critical patients) has been considered as Symptomatic; Home Isolation and CCC2 has been considered as Asymptomatic; Difference between the total cases and the above classifications (9,903 cases) has been added to "Stable – Asymptomatic" 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 17, 2020¹



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

1 Total Age and sex-wise break up is available 1,71,975 cases; age-wise breakup of deaths available for 8,320 cases

2 As on Sep 17

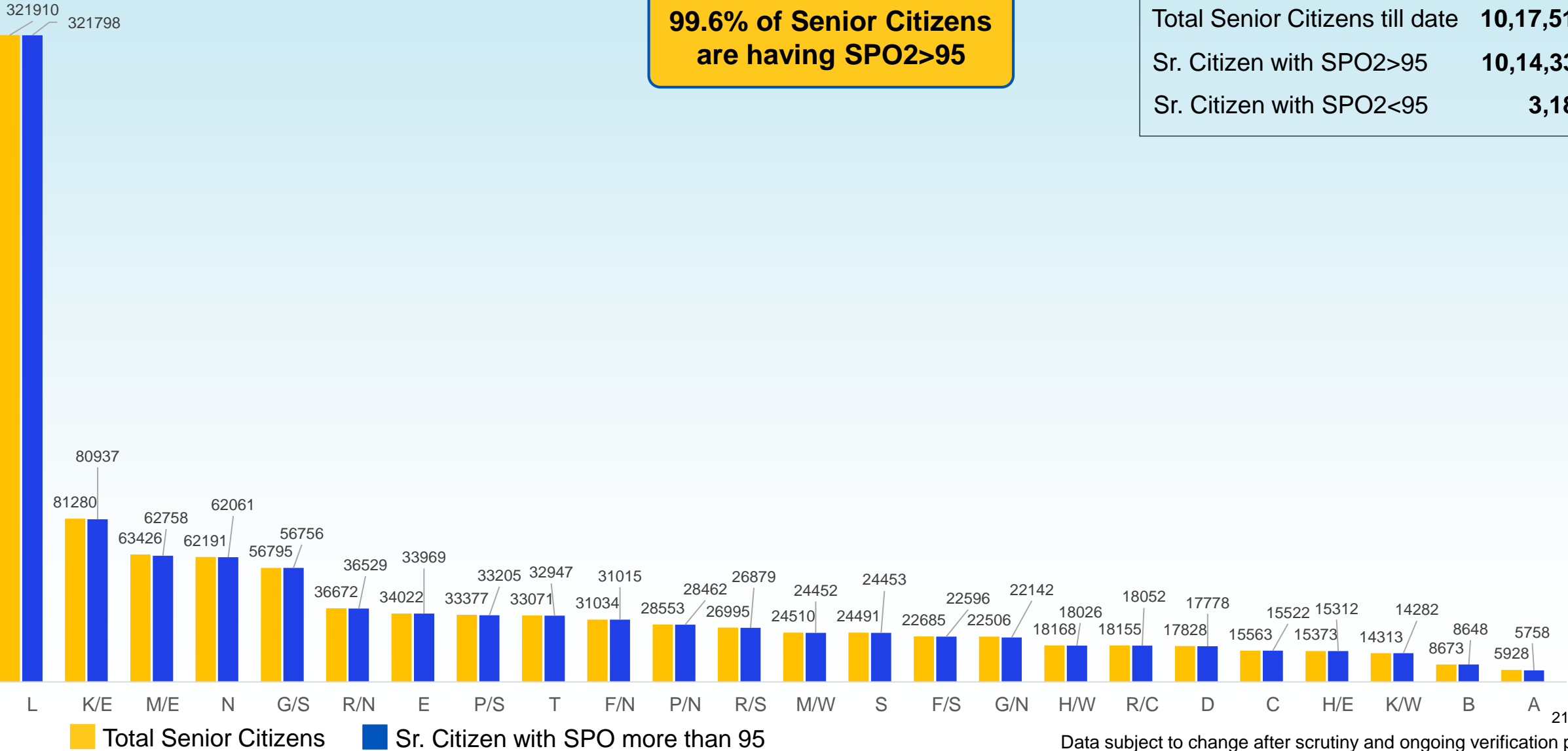


Proactive screening of elderly to protect them and contain mortality

Ward-wise data(progressive) till Sep 17, 2020

99.6% of Senior Citizens are having SPO2>95

Population Screened till date	1,81,80,224
Total Senior Citizens till date	10,17,519
Sr. Citizen with SPO2>95	10,14,337
Sr. Citizen with SPO2<95	3,182



Data subject to change after scrutiny and ongoing verification process

Proactive screening of elderly to protect them and contain mortality

Ward-wise data for Sep 17, 2020

Wards	Total No. of Houses Surveyed	Population Covered	Total No. of Senior Citizens	Sr Citizen SPO2>95	* Sr Citizen SPO2<95
Total (Daily)	37,798	131,903	5,952	5,943	9
R/N	4,381	15,847	289	284	5
M/E	1,115	4,312	368	366	2
H/W	711	1,928	163	162	1
R/C	1,411	4,922	176	175	1
A	400	1,555	12	12	0
B	330	1,268	31	31	0
C	0	0	0	0	0
D	462	2,000	179	179	0
E	2,039	7,187	330	330	0
F/S	543	1,732	164	164	0
F/N	597	2,400	358	358	0
G/S	3,894	15,432	480	480	0
G/N	1,556	5,079	153	153	0
H/E	380	1,529	24	24	0
K/E	3,342	8,631	690	690	0
K/W	425	1,802	69	69	0
P/S	1,781	2,755	124	124	0
P/N	2,960	11,508	203	203	0
R/S	4,441	15,752	161	161	0
L	3,897	13,776	1,421	1,421	0
M/W	841	2,851	156	156	0
N	578	2,945	168	168	0
S	1,536	6,196	151	151	0
T	178	496	82	82	0

Summary till date

1,81,80,224^{*}

Total Population covered till date

10,17,519

Senior Citizens covered till date

10,14,337

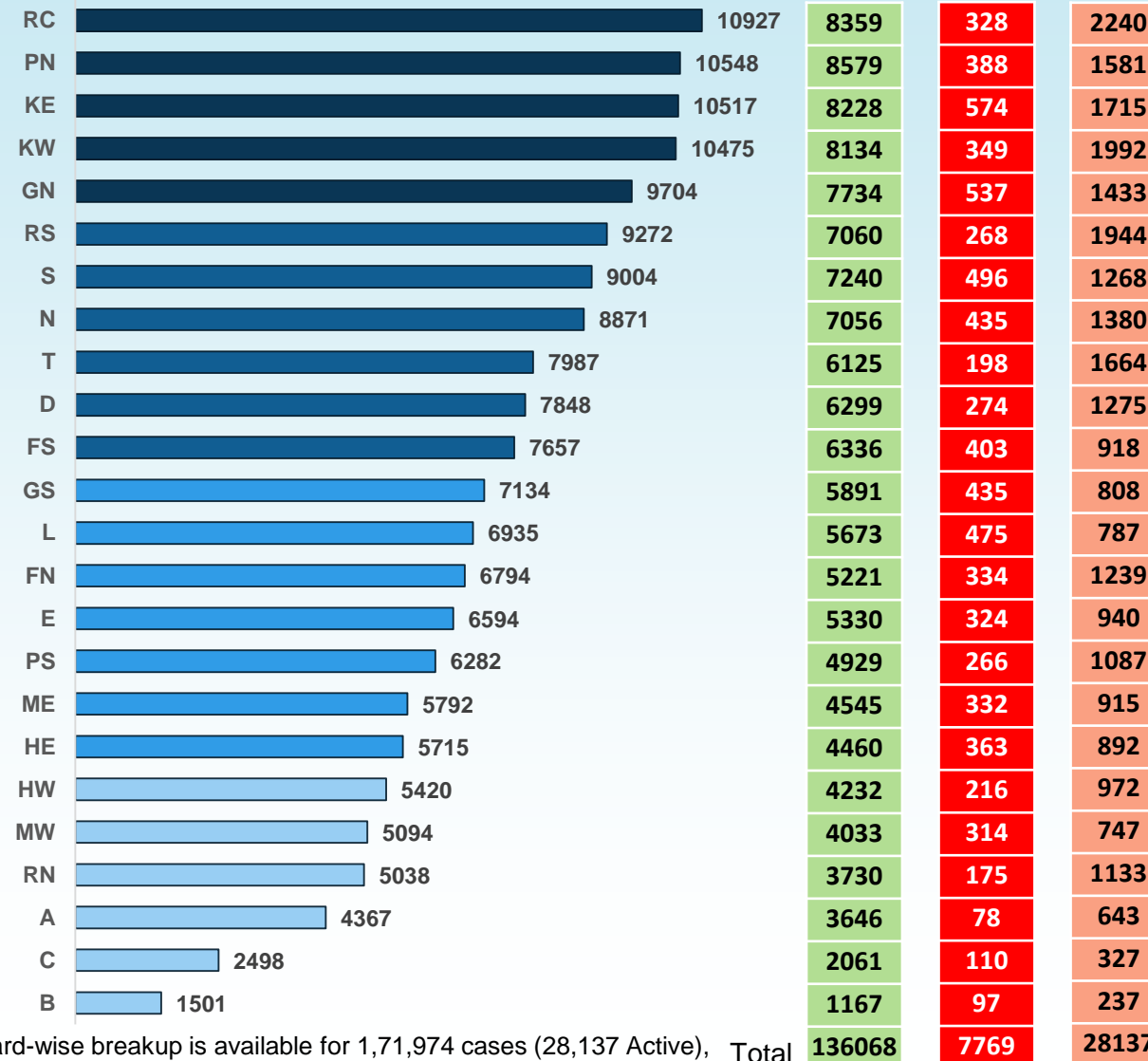
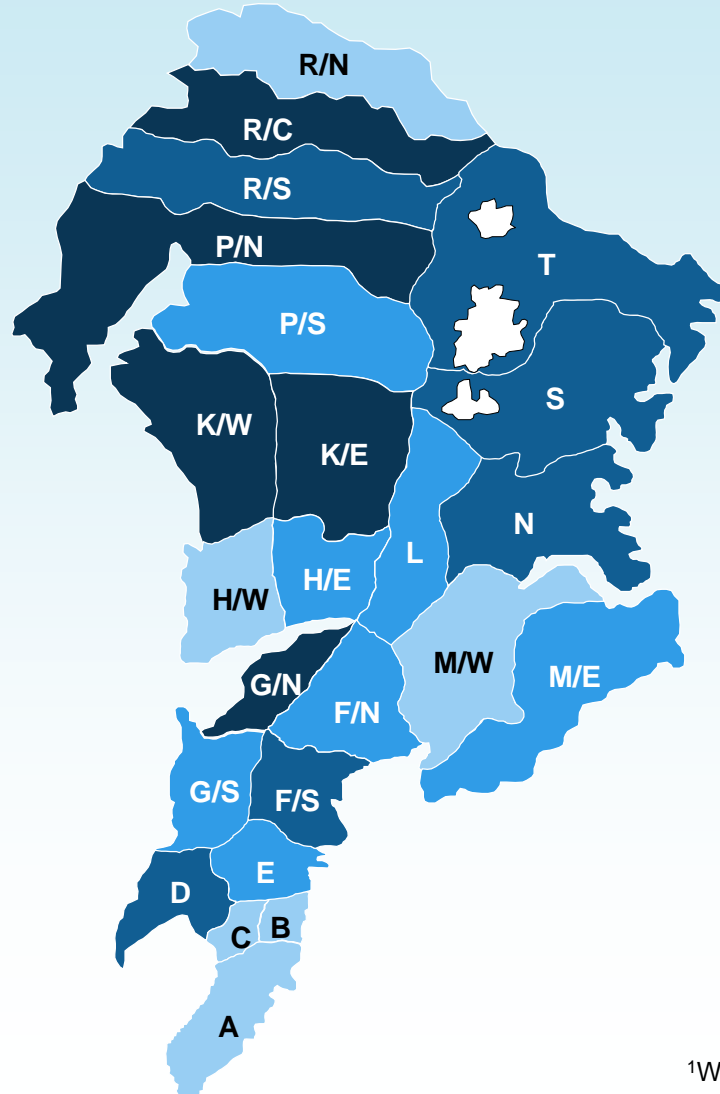
Senior Citizens with SPO2>95
till date

3,182

Senior Citizens with SPO2<95
till date

Ward-wise breakdown of positive cases

As of Sep 17, 2020



- ≥ 9501 cases
- 7501 – 9500 cases
- 5501 – 7500 cases
- 0 – 5500 cases

- Discharged²
- Deaths³
- Active

Total Positives
1,78,275¹

Total Active
28,137¹

Active = Positive – Discharges – Death

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

¹Ward-wise breakup is available for 1,71,974 cases (28,137 Active), Total

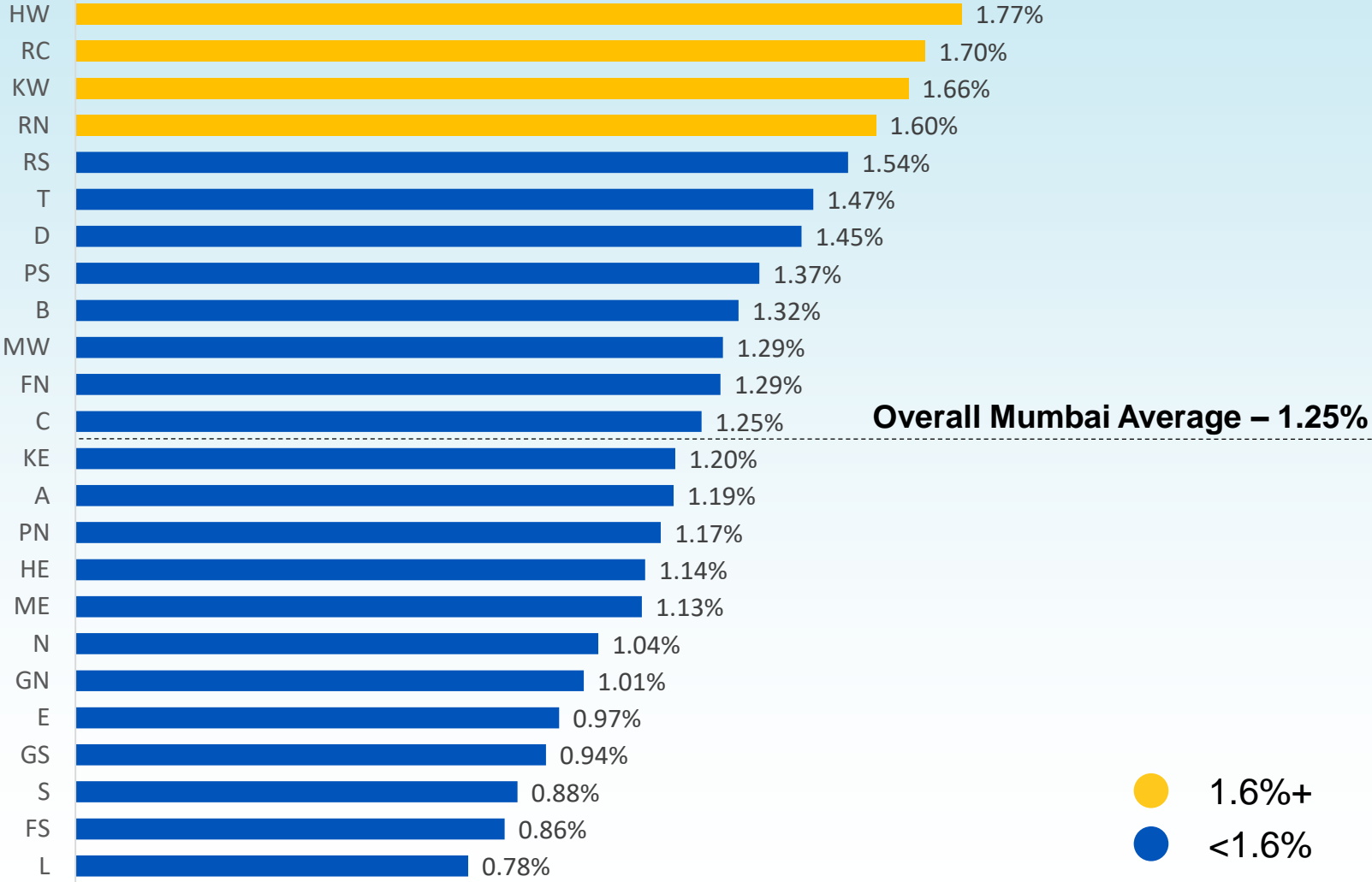
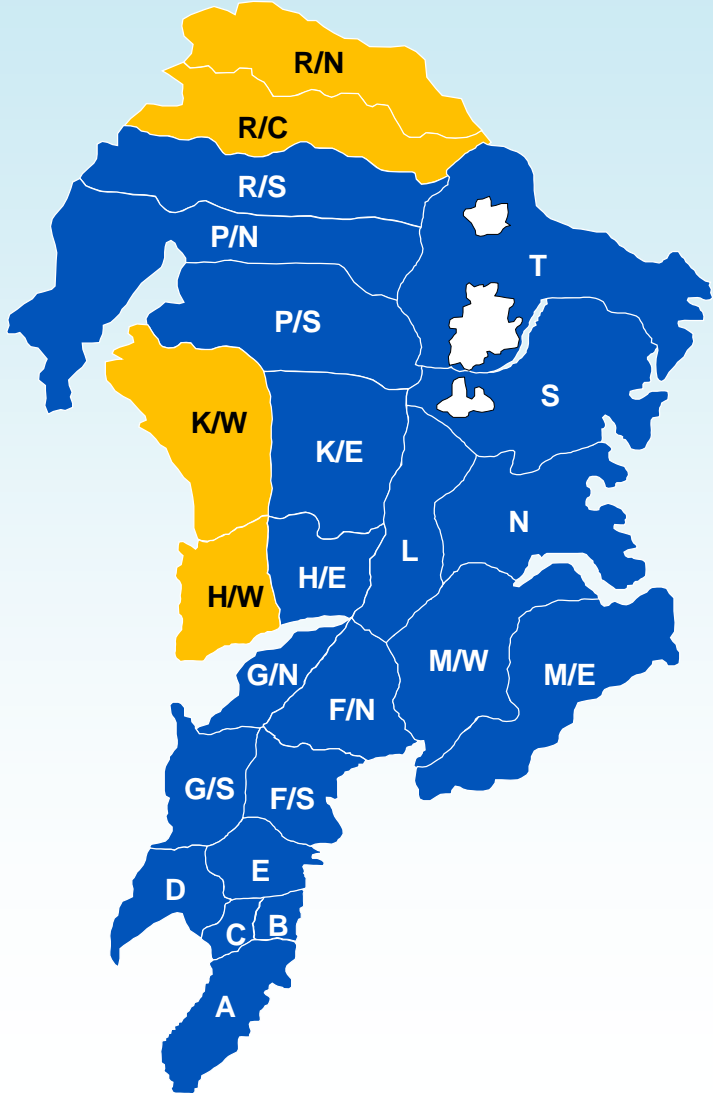
²Discharges as on Sep 17, Available for 1,36,068 cases,

³Deaths as on Sep 17, Available for 7,769 cases

Ward wise reconciliation for Discharged, Deaths and Active is on going²³
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 17, 2020



Ward-wise new cases

Positive cases for the last 7 days till Sep 17, 2020¹

Date of report	HW	RC	KW	RN	RS	T	D	PS	B	FN	MW	C	A	KE	PN	HE	ME	N	GN	E	GS	S	FS	L	Grand Total
Area>>>	Bandra	Borivali	Andheri W	Dahisar	Kandivali	Mulund	Grant Road	Goregaon	Sandhurst Road	Matunga	Chembur W	Marine Lines	Colaba	Andheri E	Malad	Khar	Chembur E	Ghatkopar	Dadar	Byculla	Elphinstone	Bhandup	Parel	Kurla	
As on 10th Sep	4794	9713	9333	4509	8330	7210	7096	5713	1369	6212	4656	2290	4019	9676	9724	5280	5354	8249	9042	6165	6682	8467	7213	6566	157662
11-Sep	85	151	152	71	147	125	85	98	16	67	52	36	41	117	100	81	49	101	95	66	75	81	77	52	2020
12-Sep	61	192	181	98	164	111	132	76	20	71	64	27	58	115	143	68	50	99	120	72	60	63	66	63	2174
13-Sep	80	167	146	68	116	107	126	83	25	82	64	37	74	119	112	67	45	66	86	49	71	68	62	41	1961
14-Sep	84	172	171	85	137	137	107	85	25	100	80	22	23	112	134	70	126	90	128	74	65	91	64	51	2233
15-Sep	81	142	156	35	105	73	81	57	12	58	39	17	37	93	89	43	42	60	49	36	39	49	44	56	1493
16-Sep	124	196	192	84	113	132	118	91	20	110	61	32	53	143	125	66	51	84	77	70	73	55	60	55	2185
17-Sep	111	194	144	88	160	92	103	79	14	94	78	37	62	142	121	40	75	122	107	62	69	130	71	51	2246
As on 17th Sep	5420	10927	10475	5038	9272	7987	7848	6282	1501	6794	5094	2498	4367	10517	10548	5715	5792	8871	9704	6594	7134	9004	7657	6935	171974
Days to double	40	41	42	44	45	47	48	51	53	54	54	56	58	58	60	61	62	67	69	72	74	79	81	89	56

Wards <= 45 days to double

- Ward HW
- Ward RC
- Ward KW

- Ward RN
- 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 Sep 17, 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

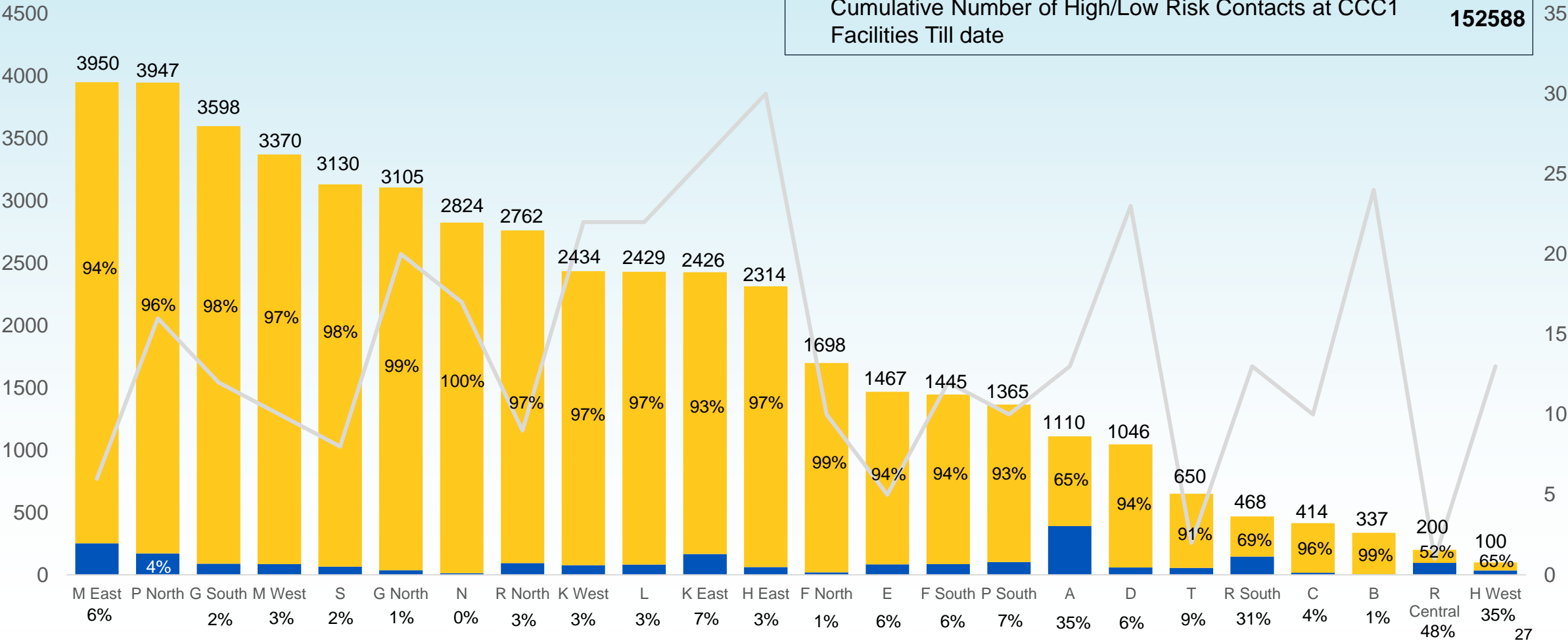
Other initiatives



Ward-wise bifurcation of CCC1 facilities

Ward-wise data for Sep 17, 2020

No. of CCC1 Facilities identified for High/Low Risk Contacts	334
Number of High/Low Risk Contacts shifted to CCC1 Facilities:	2294
Available capacity	44295
Total Capacity	46589
Cumulative Number of High/Low Risk Contacts at CCC1 Facilities Till date	152588



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

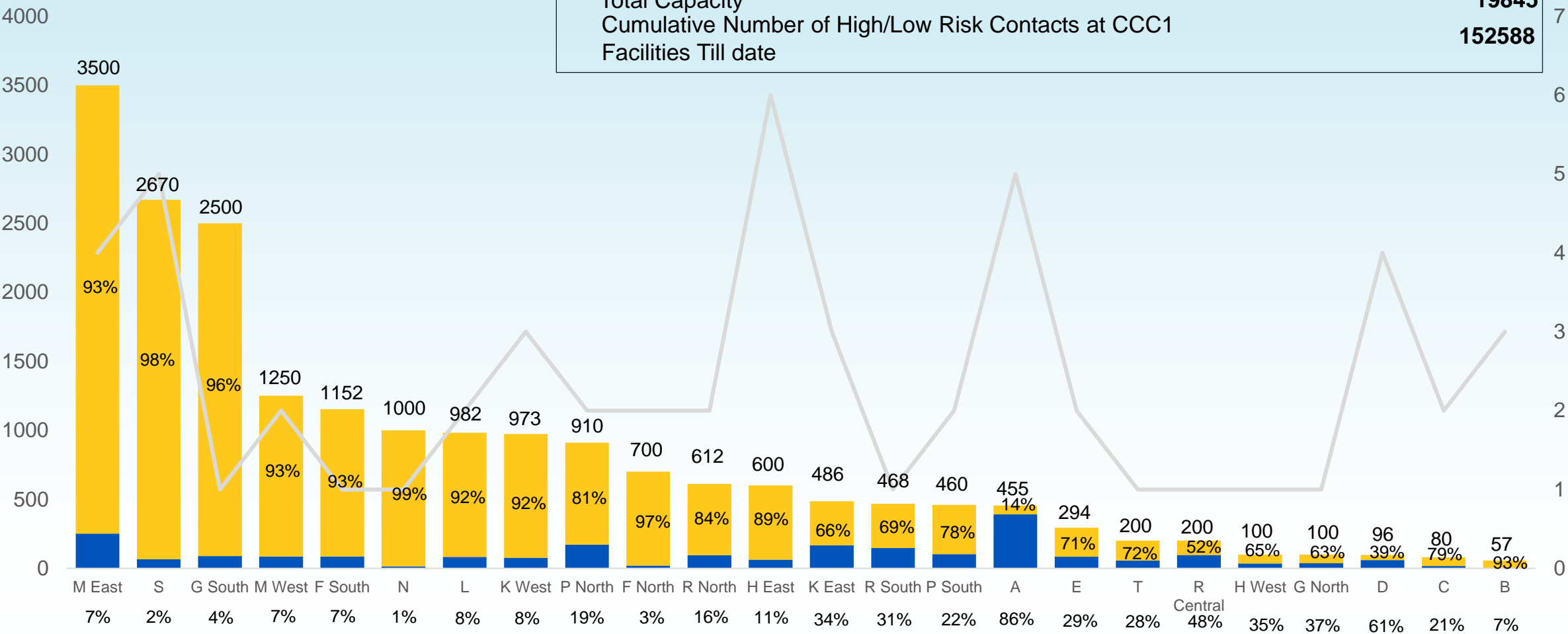
Data subject to change after scrutiny and ongoing verification process



Ward-wise bifurcation of ACTIVE and BUFFER CCC1 facilities

Ward-wise data for Sep 17, 2020

No. of ACTIVE and BUFFER CCC1 Facilities identified for High/Low Risk Contacts	57
Number of High/Low Risk Contacts shifted to CCC1 Facilities:	2294
Available capacity	17551
Total Capacity	19845
Cumulative Number of High/Low Risk Contacts at CCC1 Facilities Till date	152588

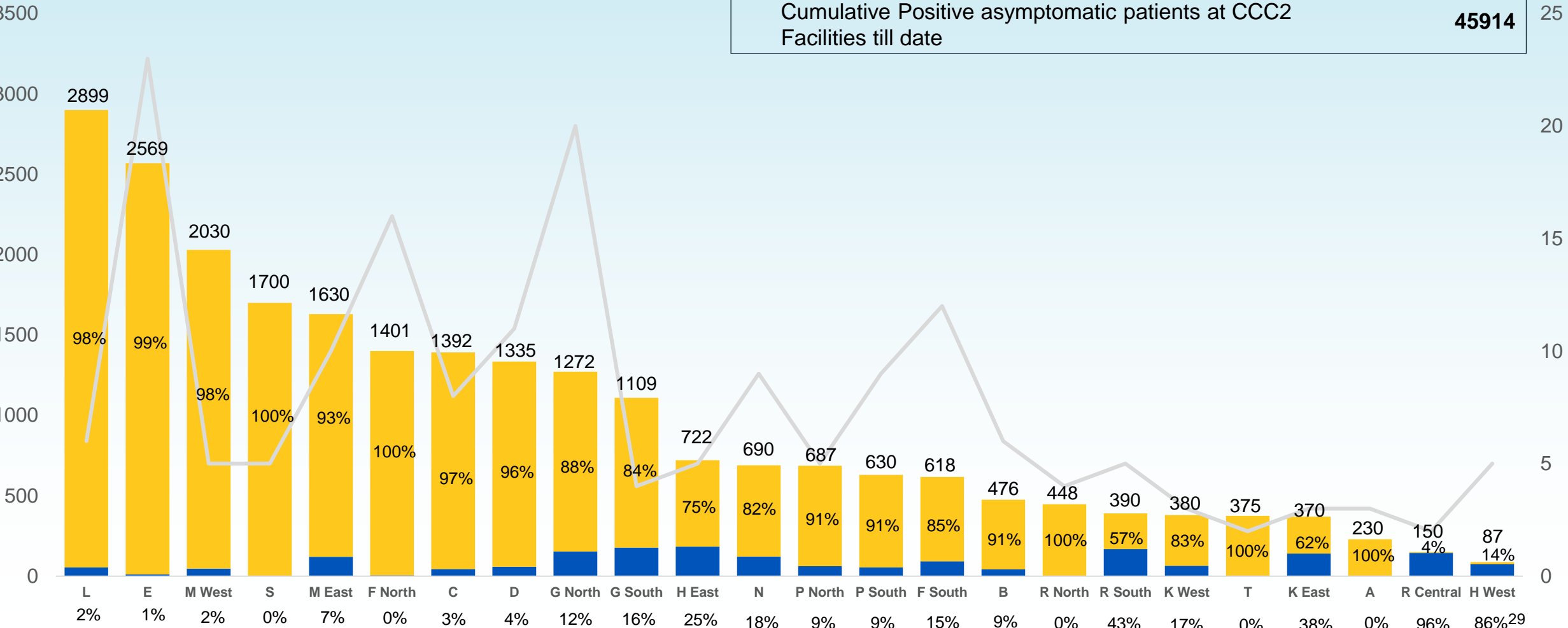




Ward-wise bifurcation of CCC2 facilities

Ward-wise data for Sep 17, 2020

No. of CCC2 Facilities Identified for Positive Asymptomatic Patients	181
Number of positive asymptomatic patients shifted to CCC2 Facilities	1827
Available capacity	21763
Total Capacity	23590
Cumulative Positive asymptomatic patients at CCC2	45914
Facilities till date	



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

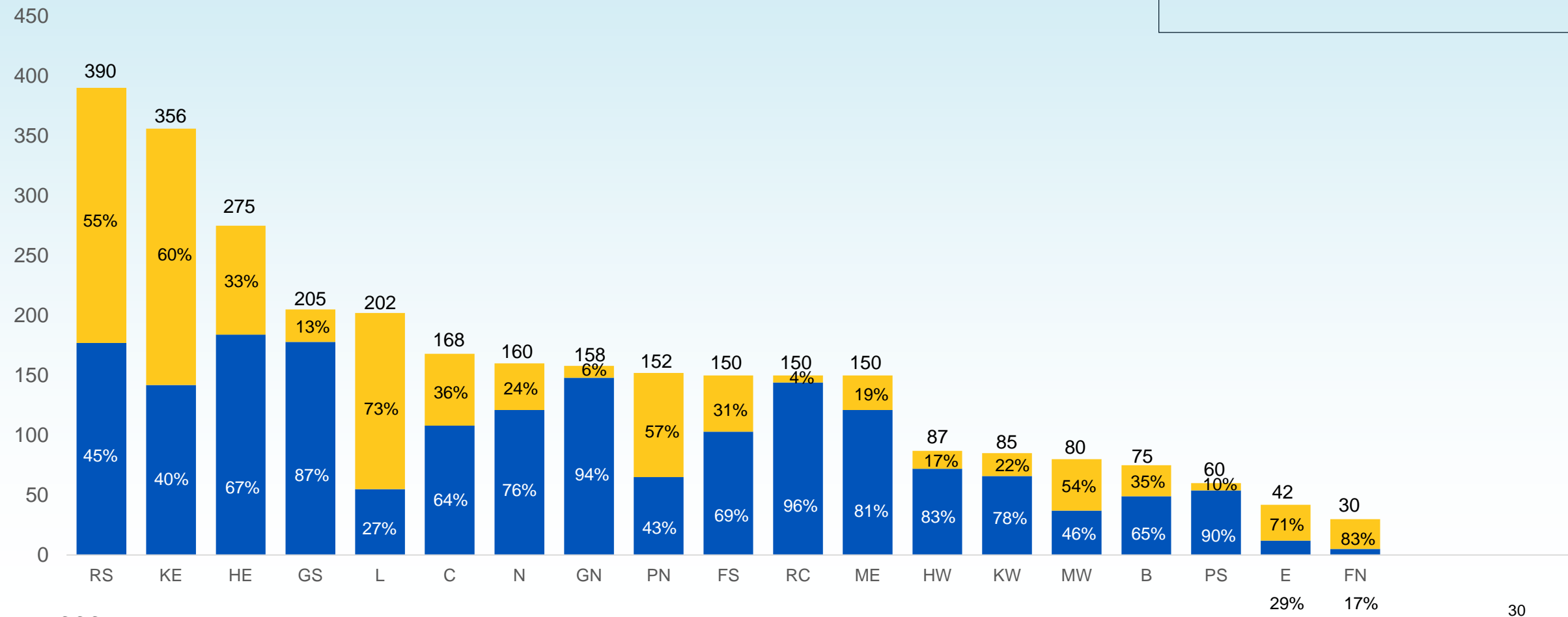
Data subject to change after scrutiny and ongoing verification process



Ward-wise bifurcation of ACTIVE CCC2 facilities

Ward-wise data for Sep 17, 2020

Beds occupied	1841
Available capacity	1134
Total capacity	2975
Cumulative patients till date	38193

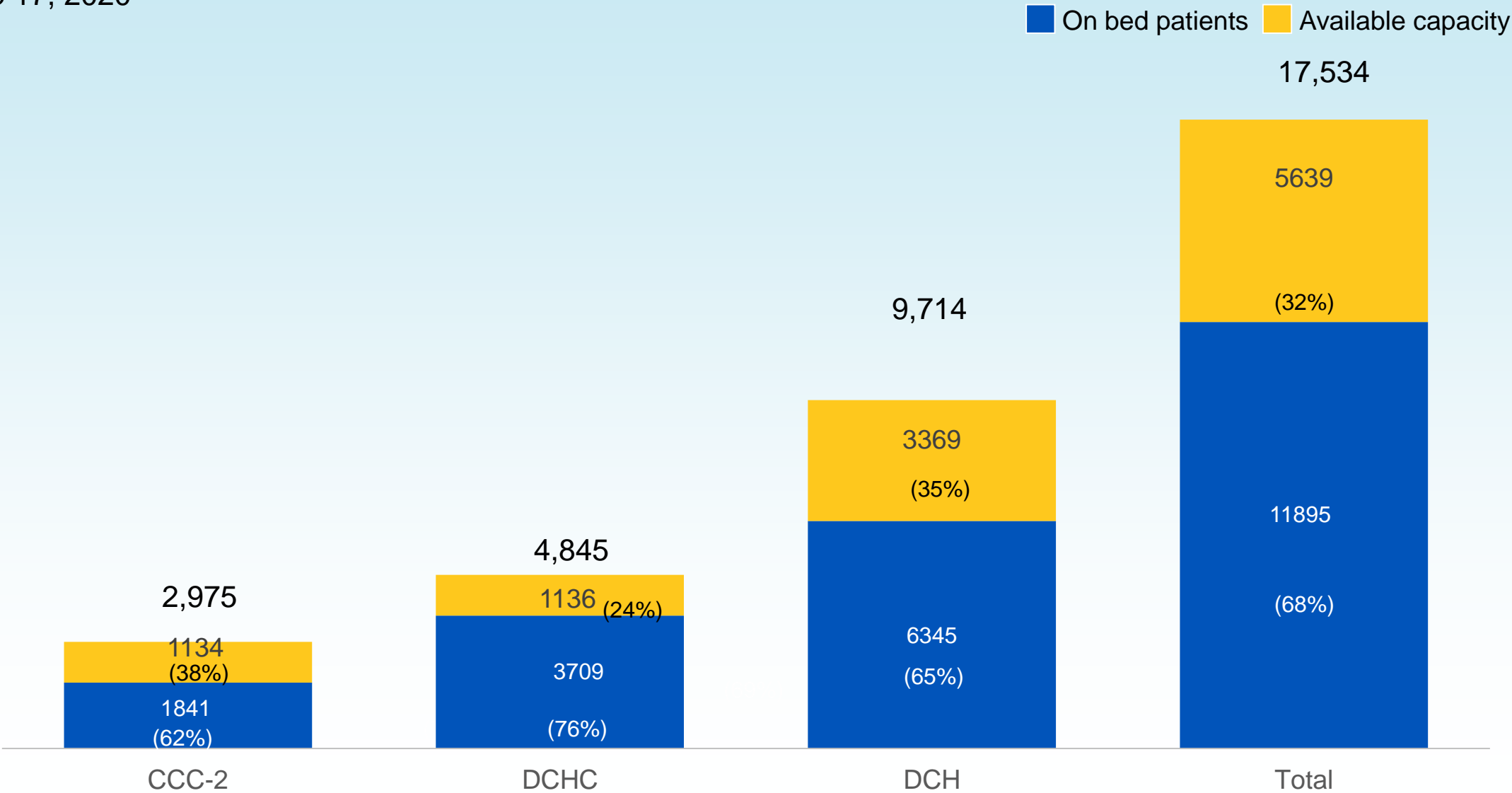


Source: "CCC2 line list"

Data subject to change after scrutiny and ongoing verification process

Summary of total bed capacity

As of Sep 17, 2020



Source: At a glance facilities & DMU dashboard

Data subject to change after scrutiny and ongoing verification process

Covid19 Bed Management

Data as on 02:00 PM, Sep 18, 2020 , Subject to change

Covid Beds	Capacity	Occupancy	Vacancy
Total	14,559	10,054	4,505
ICU Beds	1,786	1,583	203
Regular	1,752	1,562	190
Pediatric ICU	12	6	6
Neonatal ICU	22	15	7
Normal Beds	12,773	8,471	4,302
Quarantine for Suspect	994	643	351
Isolation for Positives	11,376	7,614	3,762
Pregnancy	218	96	122
Others (Cancer + Dialysis)	185	118	67
<i>O2 Beds*</i>	8,805	5,919	2,886
<i>Ventilators*</i>	1,119	1,005	114

Summary of total bed capacity

Data as on 02:00 PM, Sep 18, 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	10,054	1,583	8,471		5,919 1,005
	Public Hospitals	6,879	775	6,104		3,937 619
	Pvt Hospitals	3,175	808	2,367		1,982 386
Vacancy	Total	4,505	203	4,302		2,886 114
	Public Hospitals	3,926	127	3,799		2,505 84
	Pvt Hospitals	579	76	503		381 30

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



Key Trends

Contact tracing and home quarantine

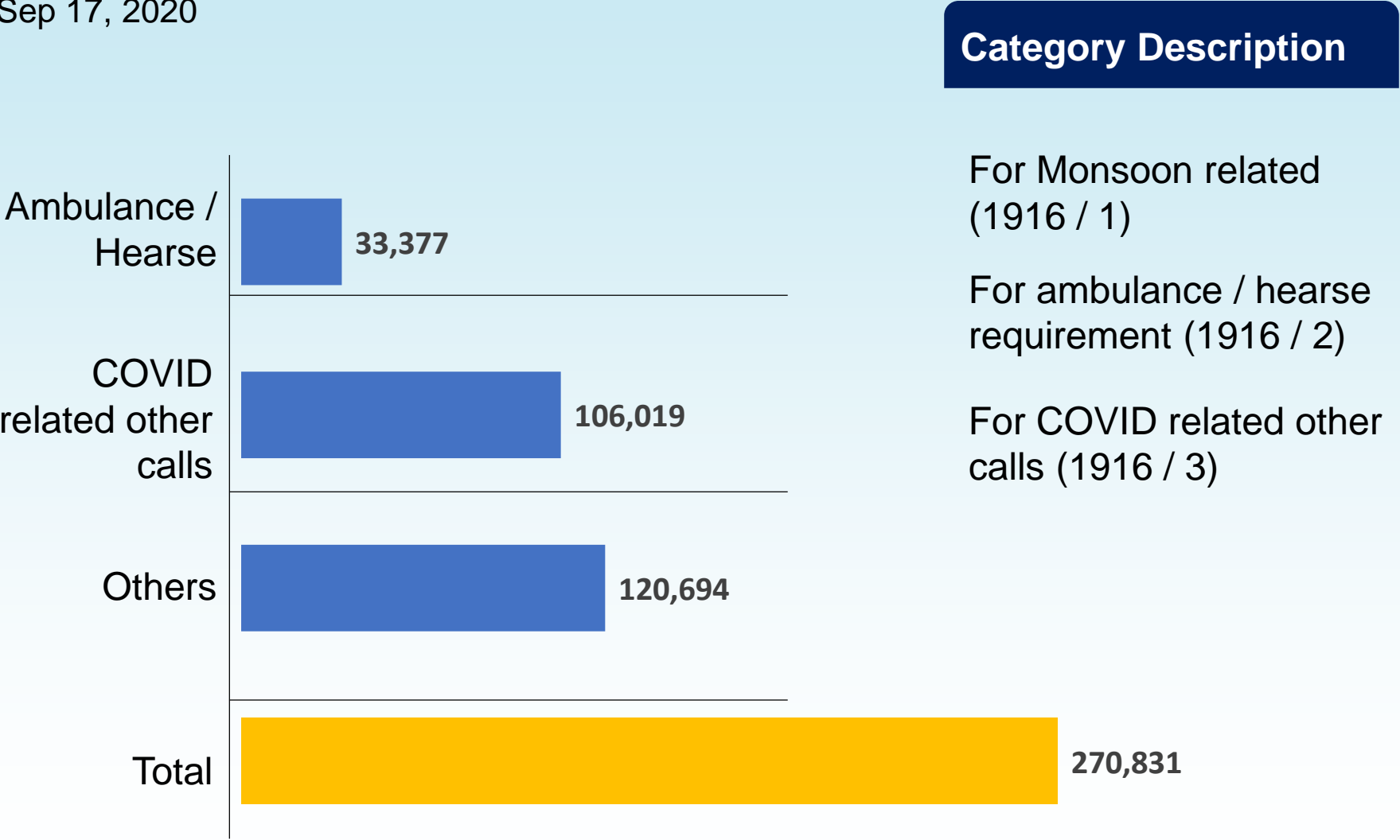
Status of COVID19 Positive Cases

Bed Capacity

Other initiatives

Call Center update

For all calls received from April 24 to Sep 17, 2020



Management of Waste from Quarantined Areas

September 13, 2020



Waste Collected (in Kgs)

COVID BMW (in Kgs)
8,544

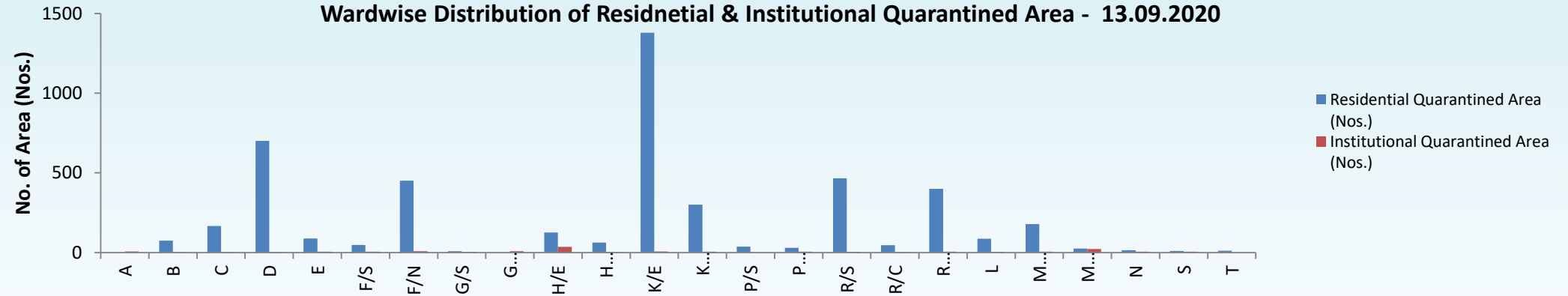
MCGM Quarantine BMW (in Kgs)
3,175

Total BMW (in Kgs):
11,719.0

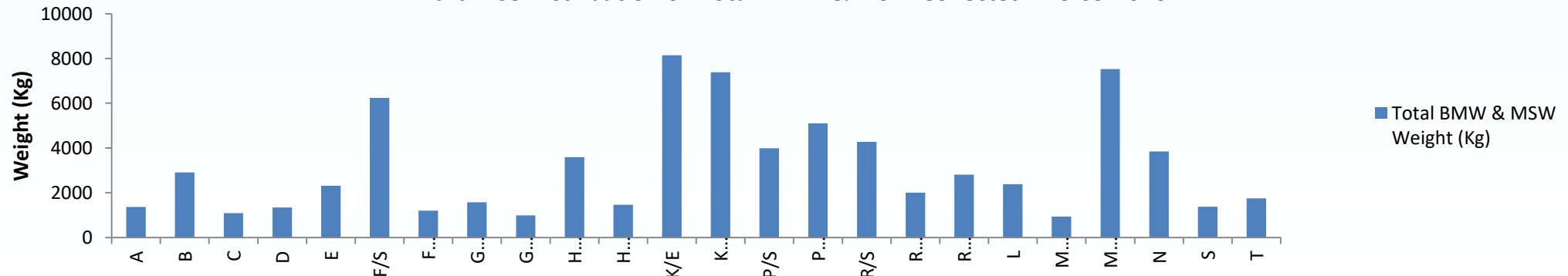
Total MSW Collected by MCGM from Quarantined Area (in Kgs):
72,310.0

Total MSW & BMW Collected by MCGM from Quarantined Area (in Kgs):
84,029

Wardwise Distribution of Residential & Institutional Quarantined Area - 13.09.2020



Wardwise Distribution of Total BMW & MSW Collected- 13.09.2020



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

Thank you

