

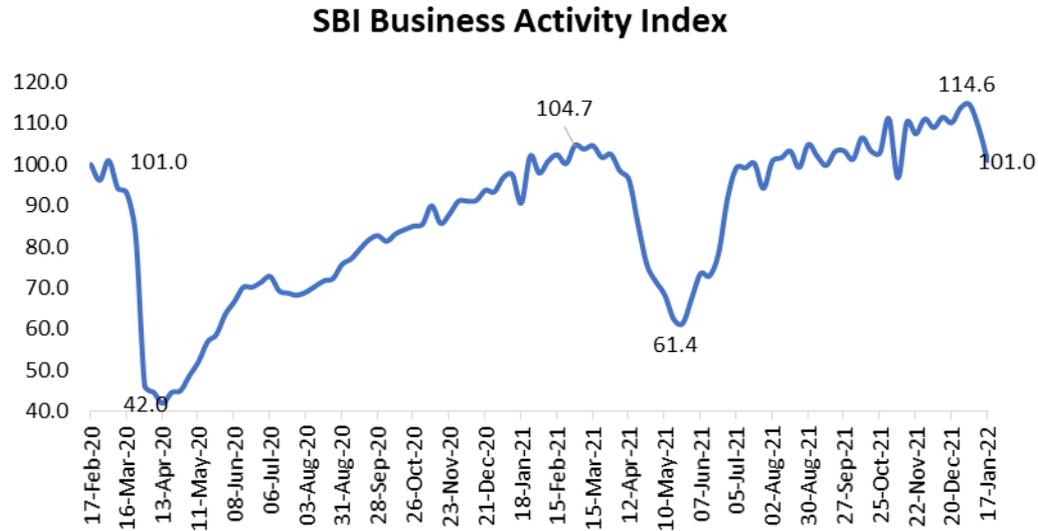
# COVID-19: Third Wave, the beginning of the end?

**18 January 2022**

**State Bank of India**

# SBI Business Activity Index

- ❑ SBI Business Activity Index Declined to 101.0 as on 17.01.2022 from 109.0 as on 10.01.2022
- ❑ This is lowest level seen since 15<sup>th</sup> Nov'21
- ❑ Weekly arrival of Vegetables, RTO Revenue Collection and Apple Mobility index declined Significantly



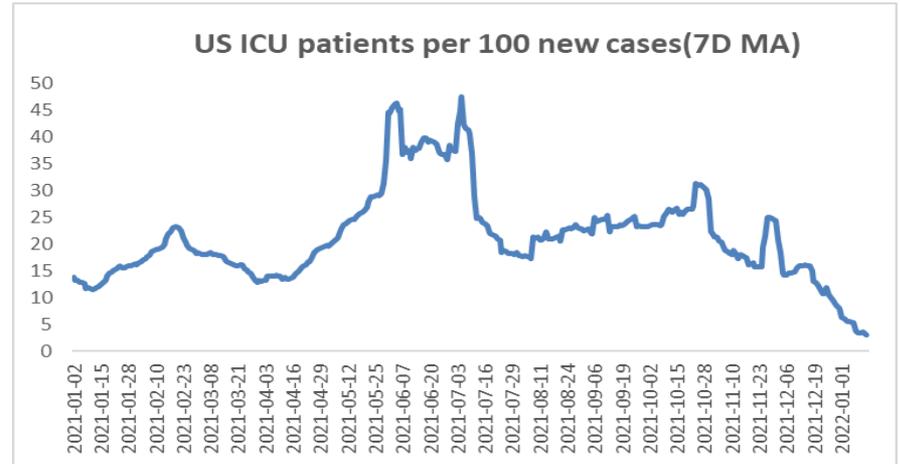
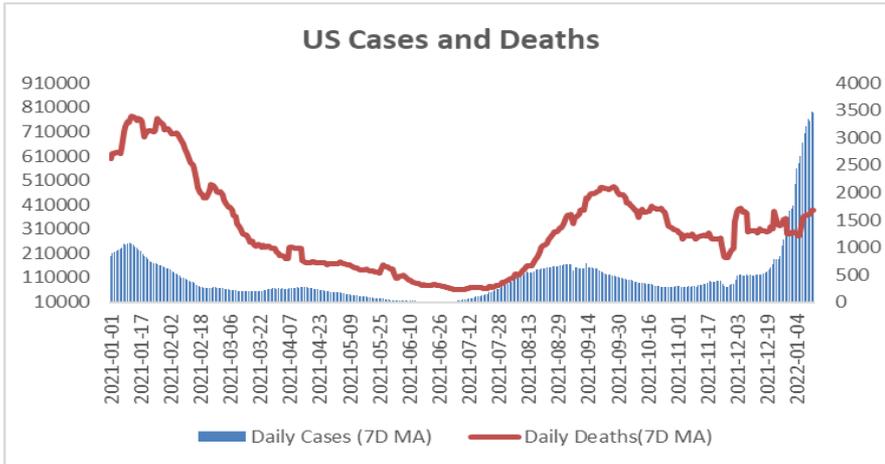
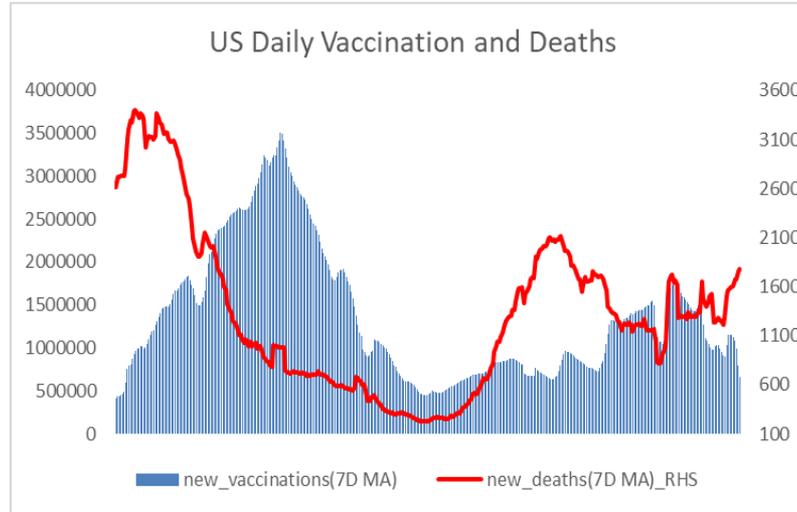
- ❑ Covid-19 cases in US are currently at an all time high. In the current spike, new Covid cases in USA have jumped **6.9** times
- ❑ Countries like UAE, Chile, Singapore and China have more than **80%** of their population fully vaccinated. With rising vaccination doses, countries are experiencing lower deaths even while fresh infections surge
- ❑ In India, cases started rising from 29<sup>th</sup> December 2021. Daily new cases is 2,38,938 (7Days MA) as on 17.01.2022 and active cases have reached 16,56,341
- ❑ Remarkably, India has fully vaccinated 64% of its eligible population and 89% of its eligible population stands vaccinated with at least single dose
- ❑ Currently India's vaccination 7-day MA is **~70 Lakhs**
- ❑ 44 Lakhs Precaution Doses and 3.45 Cr Doses to 15-18 age group has been administered
- ❑ Rural Vaccination share in total vaccination is now at 83% in January'22 indicating the rural populace may be largely protected in the current wave
- ❑ New cases in Mumbai seem to have achieved its peak (20971 cases on 7Jan '22) but cases in other districts (Bengaluru, Pune etc.) are showing increase in daily new numbers. So, if other districts also implement strict measures and control the spread, then national peak may come within 2-3 weeks after Mumbai peak

- ❑ New cases in top 15 districts has declined to 37.4 in Jan'22 from 67.9 in Dec'21, however, 10 of the top 15 districts are major cities
- ❑ The overall share of rural districts in new cases has increased to 32.6% in Jan'22 from the lowest of 14.4% in Dec'21
- ❑ Rural % share in new cases is higher in Andhra Pradesh, Arunachal Pradesh, Bihar, Jammu and Kashmir, Odisha and Rajasthan. However, % share in rural Vaccination to total vaccination is lower in Arunachal Pradesh, Gujarat, Haryana and Karnataka
- ❑ AP, Delhi, Gujarat, Karnataka, Kerala, MP, Telangana and Uttarakhand have already vaccinated more than 70% of their eligible population with double doses. However, Punjab, UP and Jharkhand are still lagging. These states need to pick up pace
- ❑ A welcome trend is Vacant Beds Share which has seen a significant increase at all major centers in comparison with second wave
- ❑ SBI Business Activity Index Declined to 101.0 as on 17.01.2022 from 109.0 as on 10.01.2022. This is lowest since 15<sup>th</sup> Nov'21. Weekly arrival of Vegetables, RTO Revenue Collection and Apple Mobility index declined Significantly

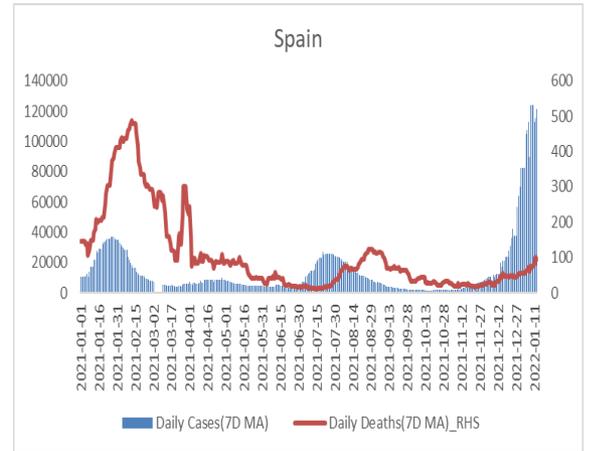
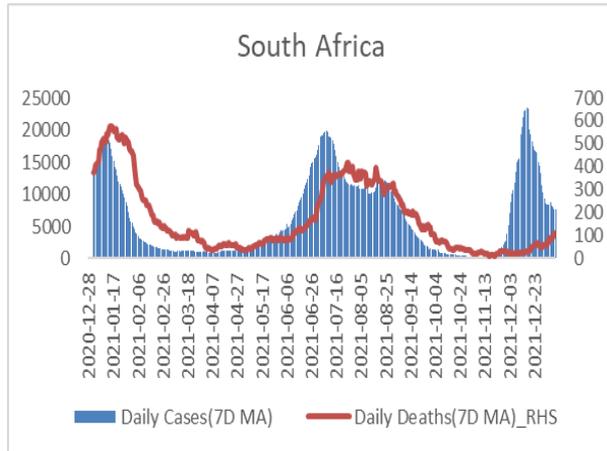
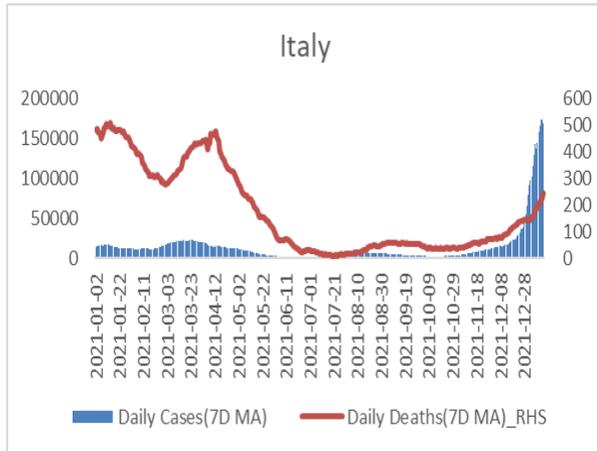
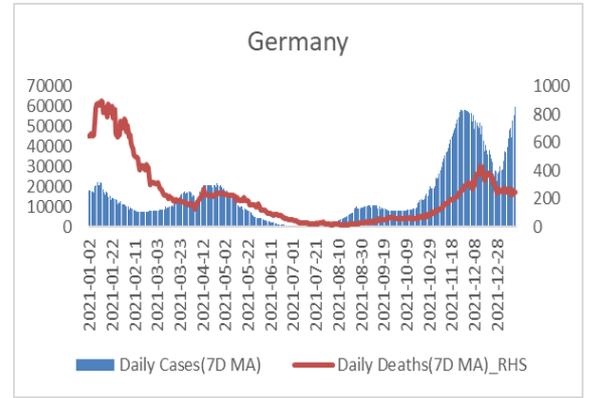
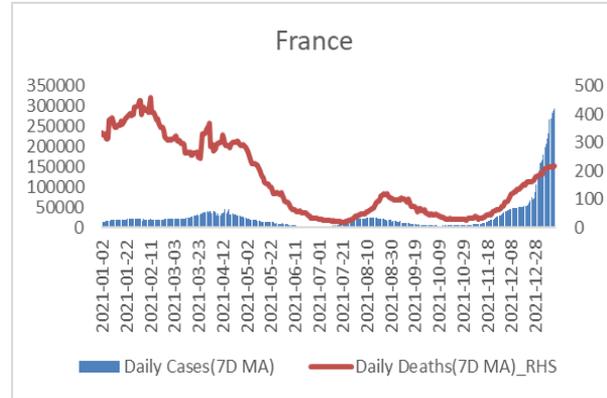
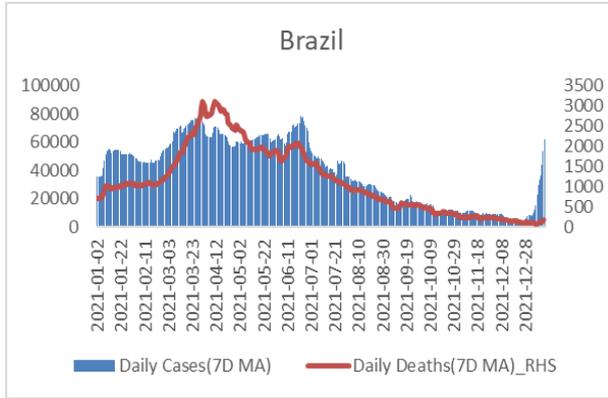
# COVID-19: The Global Landscape

# Omicron variant is pushing up US Cases to record levels.....

- ❑ Covid-19 cases in US are currently at an all time high



# ..... Though deaths are declining globally



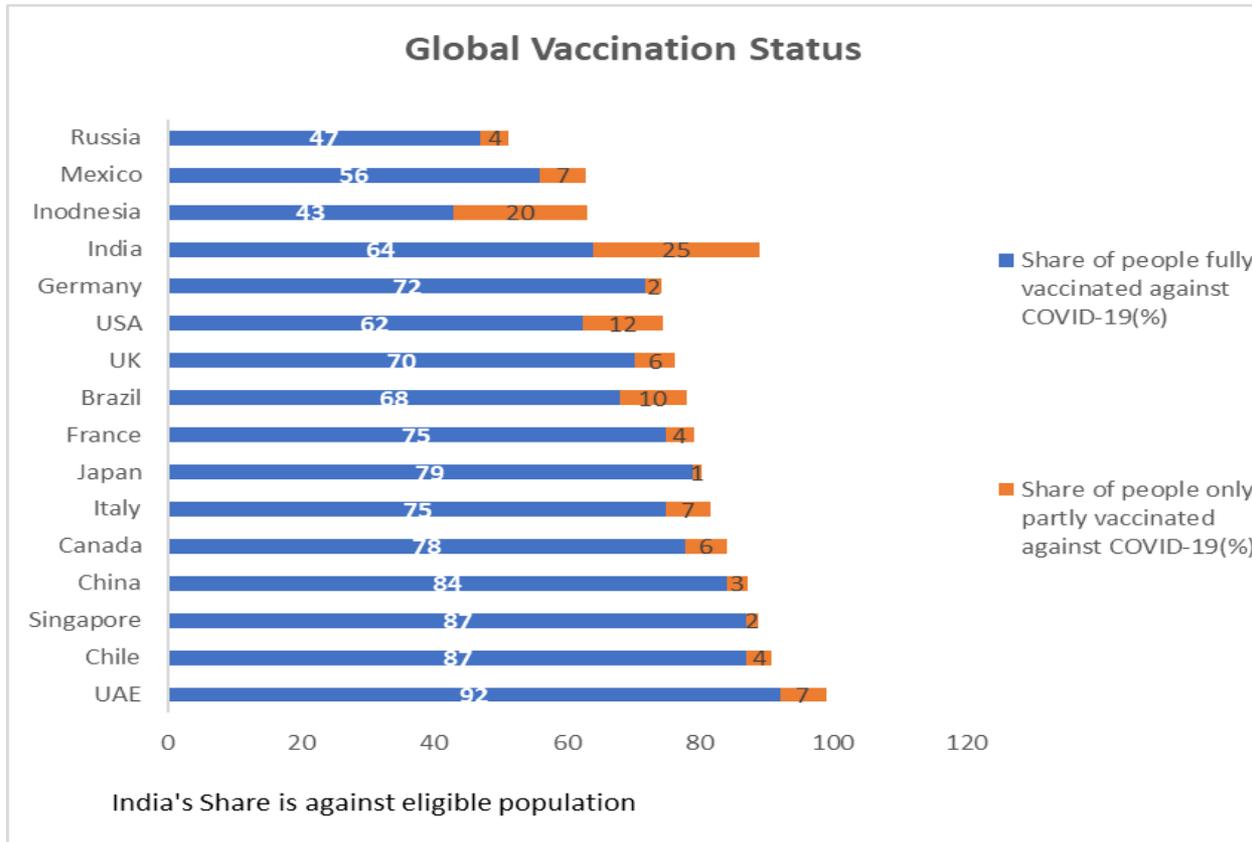
## Omicron Wave decline from peak can be swift as the increase...

- ❑ Average time taken to reach peak is 54 days in major affected countries
- ❑ Present peak time cases on an average are 3.3 times higher than previous peak time cases

Country wise Omicron Peak status						
Countries	No of Waves	Omicron Wave Peak Cases	Omicron Wave Starting date	Omicron Peak Date	No of Days taken to reach Peak	Omicron Wave as x times Previous peak
SA	4	37875	20-11-2021	12-12-2021	22	1.4
USA	6	1364418	24-10-2021	10-01-2022	78	6.9
Brazil	3	111376	29-12-2021	14-01-2022	16	1.0
UK	5	218376	08-11-2021	04-01-2022	57	3.2
France	5	368149	04-11-2021	15-01-2022	72	4.4
Germany	5	93154	23-10-2021	13-01-2022	82	2.9
Peak date is on the assumption that cases started declining						

# Countries like UAE and Chile have maximum % of fully vaccinated people, even as India has been running the largest vaccination programme

- India has fully vaccinated 64% of its eligible population and 89% of its eligible population stands vaccinated with at least single dose
- Countries like UAE, Chile, Singapore and China have more than 80% of their population fully vaccinated

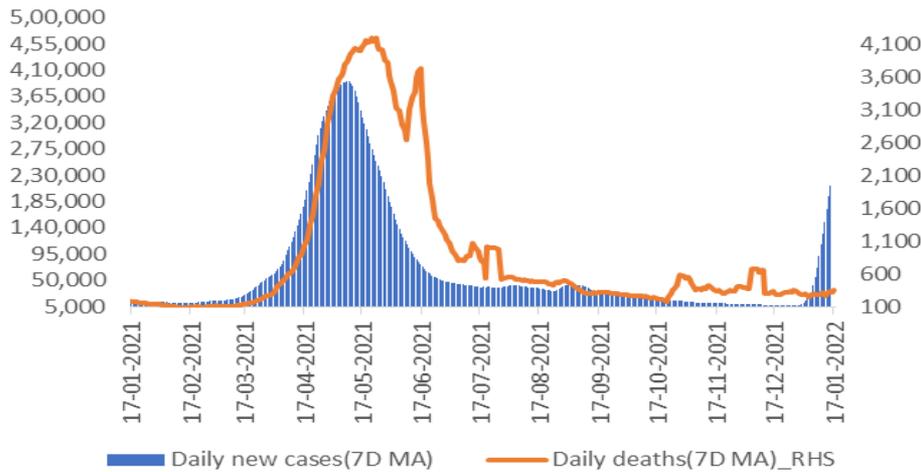


# COVID-19: India Update

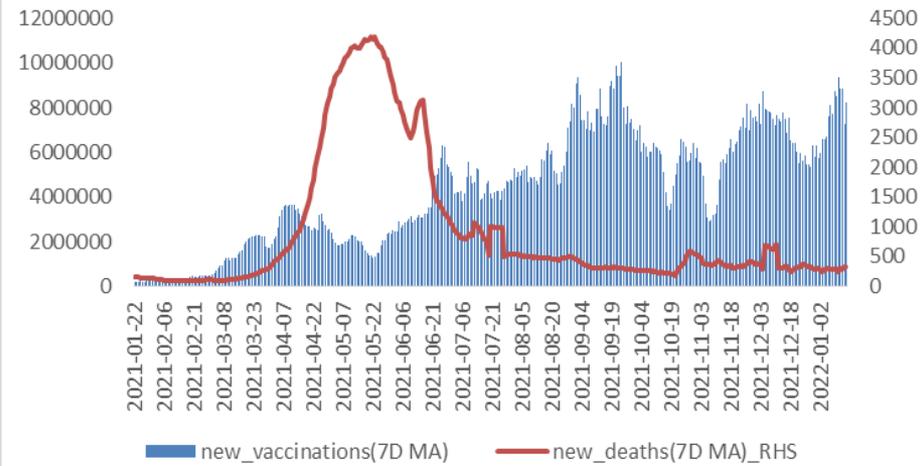
# Daily cases in India has started rising since 29.12.2021

- ❑ India's Cases started rising from 29<sup>th</sup> December 2021
- ❑ Daily new cases are 2,38,938 (7Days MA) as on 17.01.2022 and active cases have reached 16,56,341
- ❑ The recovery rate stands at 94.27

**India's Daily new cases and Deaths**

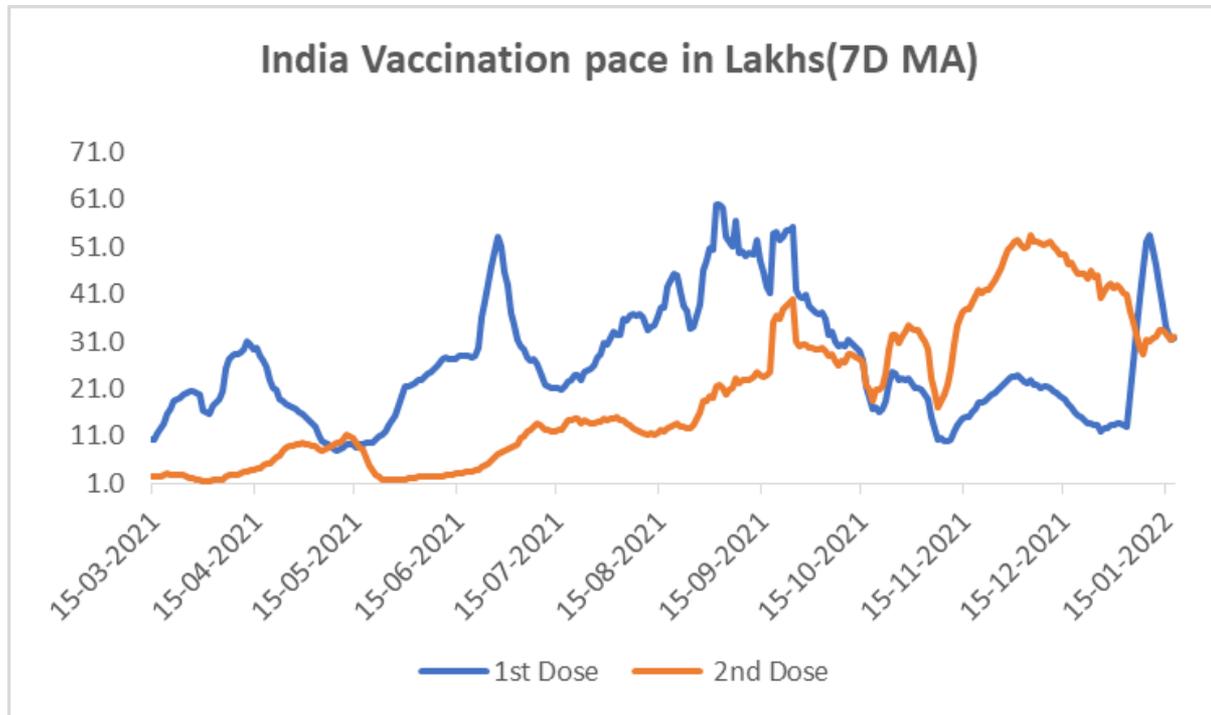


**India : Daily Vaccination and Deaths**



## Daily Vaccination numbers have again started to gather pace with vaccination of middle adolescents ....

- Currently 7-day MA of total doses is ~70 Lakhs and 89% of eligible population has been vaccinated with at least first dose and 64% administered with both doses
- 44 Lakhs Precaution Doses and 3.45 Cr Doses to 15-18 age group has been administered
- Rural Vaccination share in total vaccination is as high as 83% in January'22



## Mumbai seems past its peak, but other districts have to control the spread to achieve national peak!

- Many of the major districts achieved second peak before national peak (06.05.2021)
- New cases in Mumbai seem to be stabilising but cases in other districts (Bengaluru, Pune etc.) are increasing in the current third wave and these are showing increase in daily new numbers. So, if other districts also implement strict measures and control the spread, then national peak may come within 2-3 weeks after Mumbai peak
- Mumbai's Peak time daily cases were at 20971

Top 15 Districts : Then and Now						
Districts	Second Peak Date	Gap From Second National Peak (-ve indicates before national peak)	Peak 2 Daily New cases	Peak 3 Daily Cases	Peak 3 Date	New cases as on 16.01.2022
Bengaluru Urban	30-04-2021	-6	26756			21071
Delhi	20-04-2021	-16	28395	28867	13-01-2022	18286
Pune	17-04-2021	-19	12825			9983
Nashik	27-04-2021	-9	12436			2939
Chennai	12-05-2021	6	7772			8987
Ernakulam	05-05-2021	-1	6558			2394
Kozhikode	06-05-2021	0	5700			1274
Nagpur	22-04-2021	-14	8076			2253
Malappuram	12-05-2021	6	5388			589
Thiruvananthapuram	08-05-2021	2	4560			3404
Ahmedabad	25-04-2021	-11	5864			3754
North 24 Parganas	15-05-2021	9	4279			5053
Kolkata	03-05-2021	-3	3990			3893
Mumbai	10-04-2021	-26	11206	20971	07-01-2022	7895
Gurugram	29-04-2021	-7	5042			3378
Share in total Cases			36			34

## Lower infection in rural areas owing to higher rural vaccination in certain states

- Rural % share in new cases is higher in Andhra Pradesh, Bihar, Himachal Pradesh, Jammu and Kashmir, Odisha and Rajasthan
- While % share in rural Vaccination is lower in Arunachal Pradesh, Gujarat, Haryana and Karnataka

Rural and Urban Cases Vs Vaccination: Major states				
States	Rural % share in new cases (Latest)	Urban % share in new cases (Latest)	Rural % share in Total vaccination doses (Jan'22)	Urban % share in Total vaccination doses (Jan'22)
Andhra Pradesh	73.0	27.0	73.3	26.7
Arunachal Pradesh	35.7	64.3	54.0	46.0
Bihar	68.9	31.1	86.1	13.9
Gujarat	14.7	85.3	53.8	46.2
Haryana	27.2	72.8	57.0	43.0
Himachal Pradesh	61.1	38.9	85.9	14.1
Jammu and Kashmi	66.6	33.4	77.2	22.8
Jharkhand	51.7	48.3	79.6	20.4
Karnataka	26.7	73.3	57.2	42.8
Kerala	24.7	75.3	83.5	16.5
Madhya Pradesh	33.2	66.8	62.2	37.8
Maharashtra	25.7	74.3	58.2	41.8
Odisha	61.0	39.0	83.4	16.6
Rajasthan	74.8	25.2	71.3	28.7
Tamil Nadu	14.2	85.8	66.9	33.1
Uttar Pradesh	46.4	53.6	82.3	17.7
West Bengal	52.2	47.8	75.5	24.5
<b>India</b>	<b>32.6</b>	<b>67.4</b>	<b>83.2</b>	<b>16.8</b>

# Vaccination in Rural and Urban India-State show some states need to catch up

- Urban population fully vaccinated to eligible population is still lower in Jharkhand, Punjab, Tamil Nadu and West Bengal

Rural Vaccination Status:Major states		
States	% of individual vaccinated with atleast one dose to eligible population	% of individuals fully vaccinated to eligible population
Andhra Pradesh	115	87
Bihar	97	69
Chhattisgarh	78	53
Gujarat	96	88
Haryana	104	73
Jharkhand	91	53
Karnataka	101	81
Kerala	103	84
Madhya Pradesh	107	99
Maharashtra	88	56
Odisha	99	70
Punjab	74	40
Rajasthan	102	77
Tamil Nadu	91	63
Uttar Pradesh	99	57
Uttarakhand	107	88
West Bengal	87	50
<b>Grand Total</b>	<b>95</b>	<b>69</b>

Urban Vaccination Status:Major States		
States	% of individual vaccinated with atleast one dose to eligible population	% of individuals fully vaccinated to eligible population
Andhra Pradesh	115	91
Bihar	104	86
Chandigarh	105	80
Delhi	109	80
Gujarat	103	88
Haryana	134	98
Jharkhand	88	57
Karnataka	104	85
Kerala	103	84
Madhya Pradesh	119	99
Maharashtra	101	71
Odisha	101	81
Puducherry	91	67
Punjab	95	53
Rajasthan	106	86
Tamil Nadu	85	59
Uttar Pradesh	111	71
Uttarakhand	128	98
West Bengal	115	63
<b>Grand Total</b>	<b>106</b>	<b>79</b>

## AP, Delhi, Gujarat, Karnataka, Kerala, MP, Telangana and Uttarakhand have already given double dose of vaccine to a large %age of eligible population

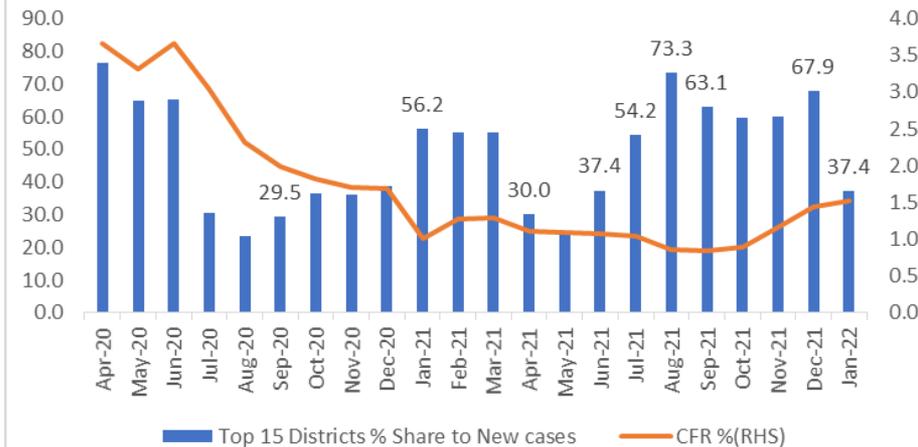
- AP, Delhi, Gujarat, Karnataka, Kerala, MP, Telangana and Uttarakhand have already vaccinated more than 70% of their eligible population with double doses
- However, Punjab, UP and Jharkhand are still lagging behind. These states need to pick up pace

Vaccination Status: Major States		
States/Uts	1st dose as % of Eligible population	2nd dose as % of Eligible Population
Andhra Pradesh	99.4	76.6
Assam	90.9	67.1
Bihar	78.2	56.1
Chhattisgarh	91.8	62.9
Delhi	103.3	74.8
Gujarat	98.7	86.7
Jharkhand	71.0	42.8
Karnataka	99.3	79.6
Kerala	90.0	72.2
Madhya Pradesh	92.5	83.8
Maharashtra	86.8	59.4
Odisha	89.8	65.9
Punjab	75.1	44.7
Rajasthan	89.8	66.2
Tamil Nadu	89.0	60.8
Telangana	133.5	94.1
Uttar Pradesh	84.7	50.8
Uttarakhand	97.8	78.8
West Bengal	88.7	59.1
<b>India</b>	<b>88.4</b>	<b>63.6</b>

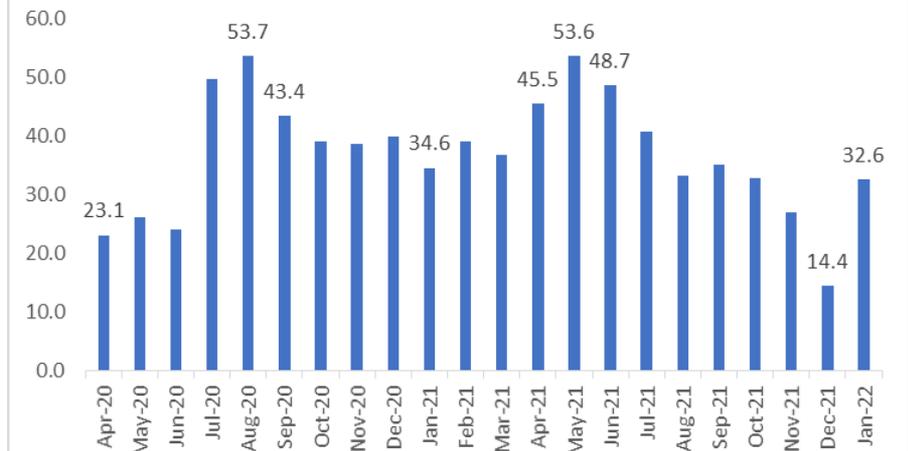
# Share of top 15 districts in new cases declined again...

- ❑ New cases in top 15 districts declined to 37.4% in Jan'22 from 67.9% in Dec'21
- ❑ However, 10 of the top 15 districts are major cities
- ❑ The overall share of rural districts in new cases has increased to 32.6% in Jan'22 from the lowest of 14.4% in Dec'21

### Top 15 Districts % Share to New cases

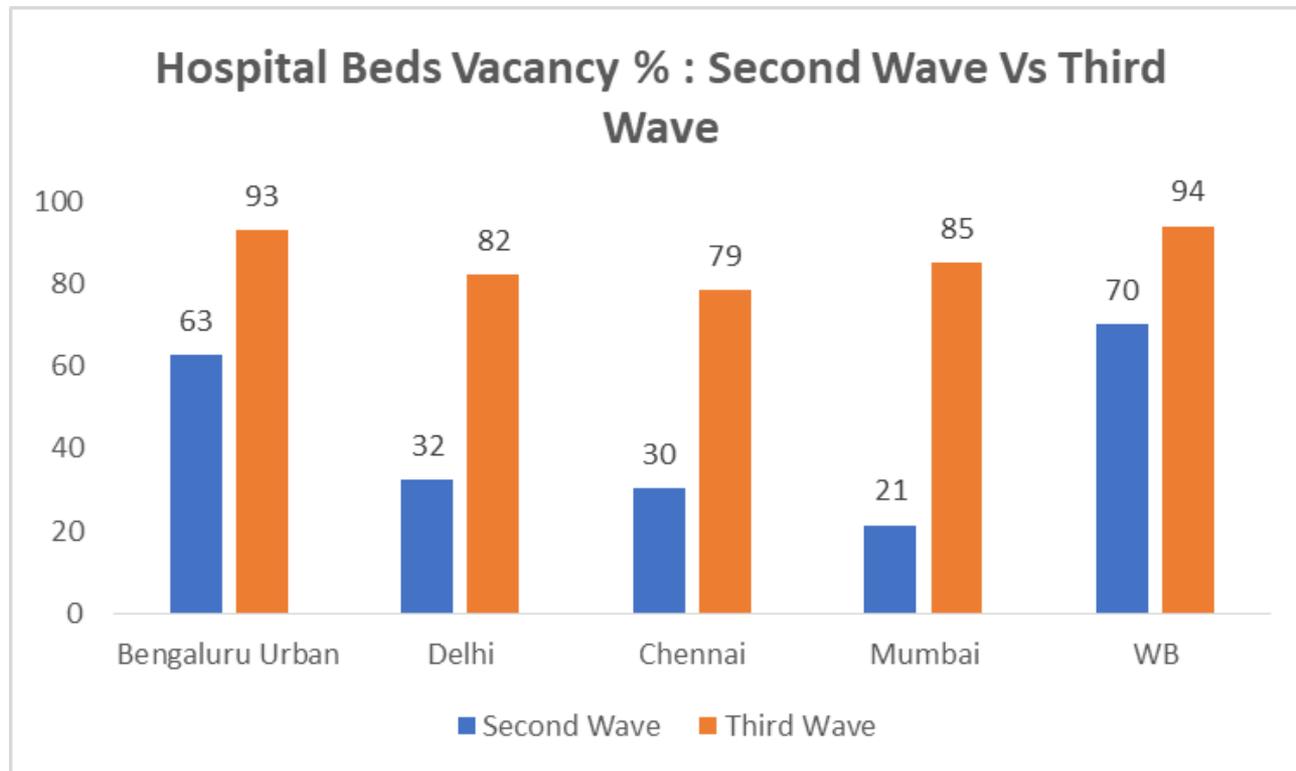


### Share of Rural districts



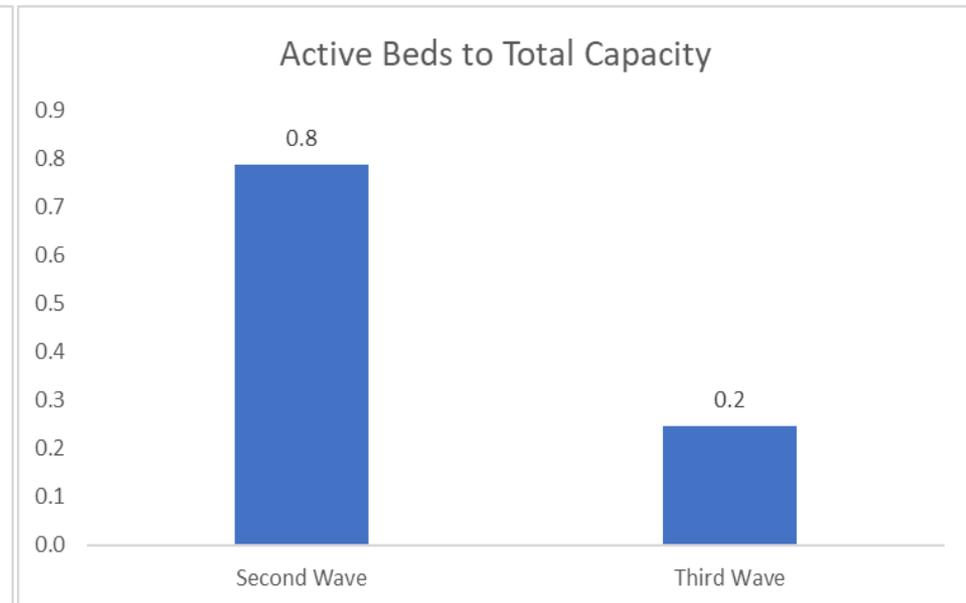
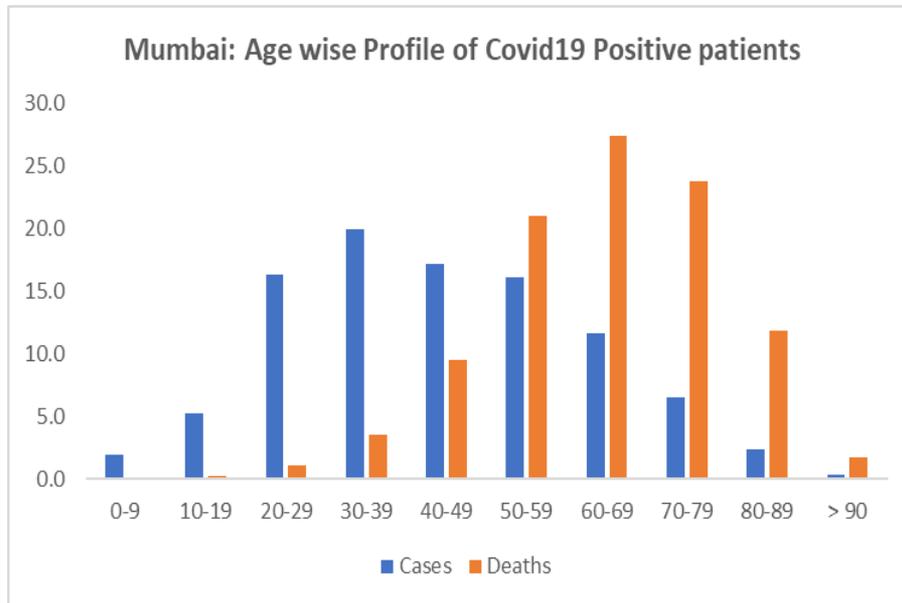
## Vacant Beds are much large in current wave...

- Vacant Beds Share has seen increase at all major centers indicating India is much well prepared to tackle the ongoing wave



# Mumbai Age wise Cases and Deaths %

- ❑ Cases share is maximum in 30-39 age group while deaths share is maximum in 60 - 69 age bracket
- ❑ Active beds to total capacity has also come down from Second wave



thank  
you

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