ISSUE NO.75 | 11 DECEMBER 2021

COVID-19
WEEKLY BULLETIN

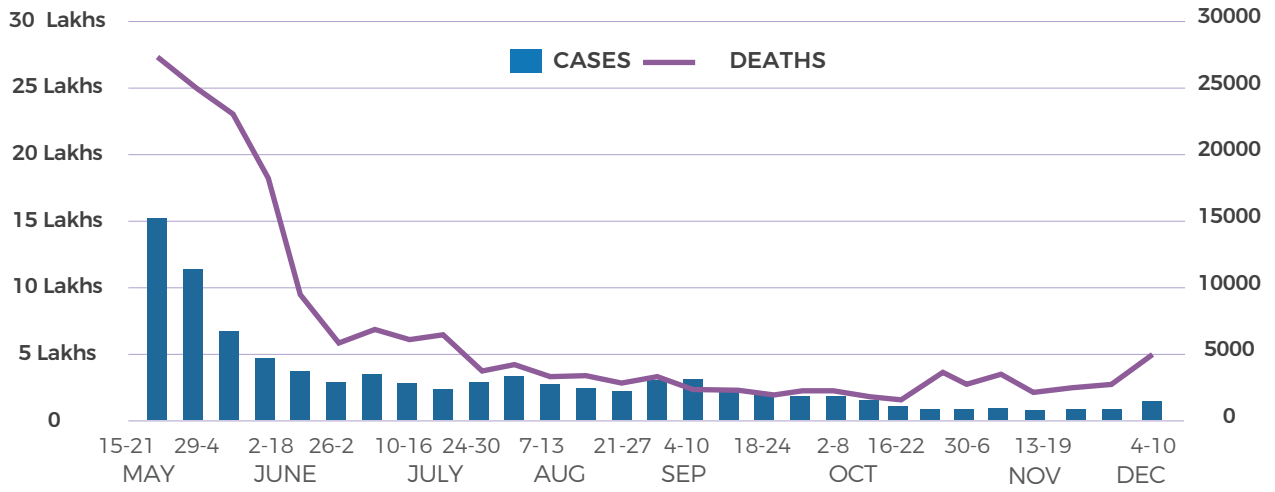
DEPARTMENT OF HEALTH AND FAMILY WELFARE
INTEGRATED DISEASE SURVEILLANCE PROGRAMME
KOHIMA: NAGALAND

Global Epidemiological Update

Globally, weekly new cases plateaued in the past week, but deaths increased by 10% (WHO). Africa and the region of the Americas reported increase in new cases. Omicron has been reported in more than 57 countries as of date and South Africa reported a 111% in new cases driven by the Omicron VOC.

National update

58,987 cases and 4,620 deaths were reported from the week. Increase in deaths can also be attributed to reporting of previous covid19 deaths during the peak of 2nd wave. More than 131 crore doses of COVID-19 vaccine have been administered in the country.



WEEKLY SUMMARY

- 16 cases were reported from the week with a weekly sample positivity rate of 0.4%. Only Dimapur (12) and Kohima (4) reported new cases from the week.
- No deaths were reported from the week for the first time since the second wave.
- 3 new admissions (Kohima-2, Dimapur -1) were recorded from COVID-19 hospitals
- More than 13 lakh doses of COVID-19 Vaccine have been administered across the state. Low coverage districts like Kiphire reported a good improvement in coverage (4% increase)
- Vaccination coverage of the state will be critical to prevent more deaths and hospitalizations in the subsequent waves.

As on 10 DEC 2021

Global | National | State

Variables	Confirmed cases	Deaths	Death Rate	Total Covid-19 vaccine doses given
World	26,78,65,289	52,85,888	1.97%	8.15 billion
India	3,46,74,744	4,74,735	1.37%	1.31 billion
Nagaland	32,146	683	2.12%	13.12 lakhs

In the past week:

World: 43,01,667 cases and 53,326 deaths.

India: 58,987 cases and 4,620 deaths.

Nagaland: 16 cases and 0 deaths.

UPDATE ON OMICRON VARIANT OF CONCERN (B.1.1. 529)

B.1.1.529 was classified as a variant of Concern (VOC) by WHO due to a large number of mutations especially on the spike protein.

Transmissibility	Primary evidence suggests increased transmissibility (Lancet). There is evidence that Omicron may have a growth advantage over other Variants and could soon become the dominating variant.
Disease severity	Clinical outcome data is under review. "Data which looked at hospitalizations across South Africa between 14 November and 4 December 2021 found that ICU occupancy was only 6.3 % – which is very low compared with the same period when the country was facing the peak linked to the Delta variant in July"- WHO Africa. However, there is always a time lag between hospitalizations and peak in cases and more evidence will come up in the coming weeks.
Risk of reinfection	Preliminary evidence suggests a possible increased risk of reinfection. 35,670 suspected reinfections were identified among 2,796,982 individuals with laboratory-confirmed SARS-CoV-2 who had a positive test result at least 90 days prior to 27 November 2021 in South Africa (study is not peer reviewed)
Impacts on diagnostics	PCR continues to detect Omicron. Impact on Ag-RDTs is under investigation.
Impact on vaccines	There is no evidence to suggest that existing vaccines do not work on Omicron, some of the mutations reported on Spike gene may decrease the efficacy of existing vaccines (MoHFW India). "Thus far, most COVID-19 vaccines have remained effective in preventing severe COVID-19, hospitalisation, and death, for all previous variants, because this efficacy might be more dependent on T-cell immune responses than antibodies."

Source: WHO, Lancet, ECDC, MoHFW

VACCINES AND OMICRON VOC

Studies are still underway to determine the effectiveness of Vaccines against the Omicron.

"There is no evidence to suggest that existing vaccines do not work on Omicron, some of the mutations reported on Spike gene may decrease the efficacy of existing vaccines. Vaccines are expected to still offer protection against severe disease and vaccination with the available vaccines is crucial." [MOHFW]

"Our in vitro findings using authentic SARS-CoV-2 variants indicate that in contrast to the currently circulating Delta variant, the neutralization efficacy of vaccine-elicited sera against Omicron was severely reduced highlighting T-cell mediated immunity as essential barrier to prevent severe COVID-19." [Wilhem et al. MedRix]

"As 80% of epitopes in the spike protein recognized by CD8+ T cells are not affected by the mutations in the Omicron variant, two doses may still induce protection against severe disease." [Pfizer]

In the wake of the new emerging Variant (B.1.1.159), citizens are strongly advised for the following preventive measures

- **COVID-19 vaccination at the earliest** to prevent hospitalizations and deaths as Vaccines are very effective against circulating variants like Delta and expected to be effective against severe disease and deaths by Omicron VOC
- **Compulsory masking** in public places
- **Crowd control** in any social, religious, or political gathering to avoid super spreader events.

The festive season brings in much cheer and joy, but it comes with an increased risk of infections and super spreader events due to more interactions between people unless all citizens of the state come together and do their part.

Summary of evidence on vaccine effectiveness against different outcomes - Delta

Outcome	Vaccine Effectiveness		
	Pfizer-BioNTech Comirnaty	AstraZeneca Vaxzevria	Moderna SpikeVax
Infection	75-85%	60-70%	
Symptomatic Disease	80-90%	65-75%	90-99%
Hospitalisation	95-99%	90-99%	95-99%
Mortality	90-99%	90-95%	

Public Health, England

(SOURCE: UIP, DHFW)

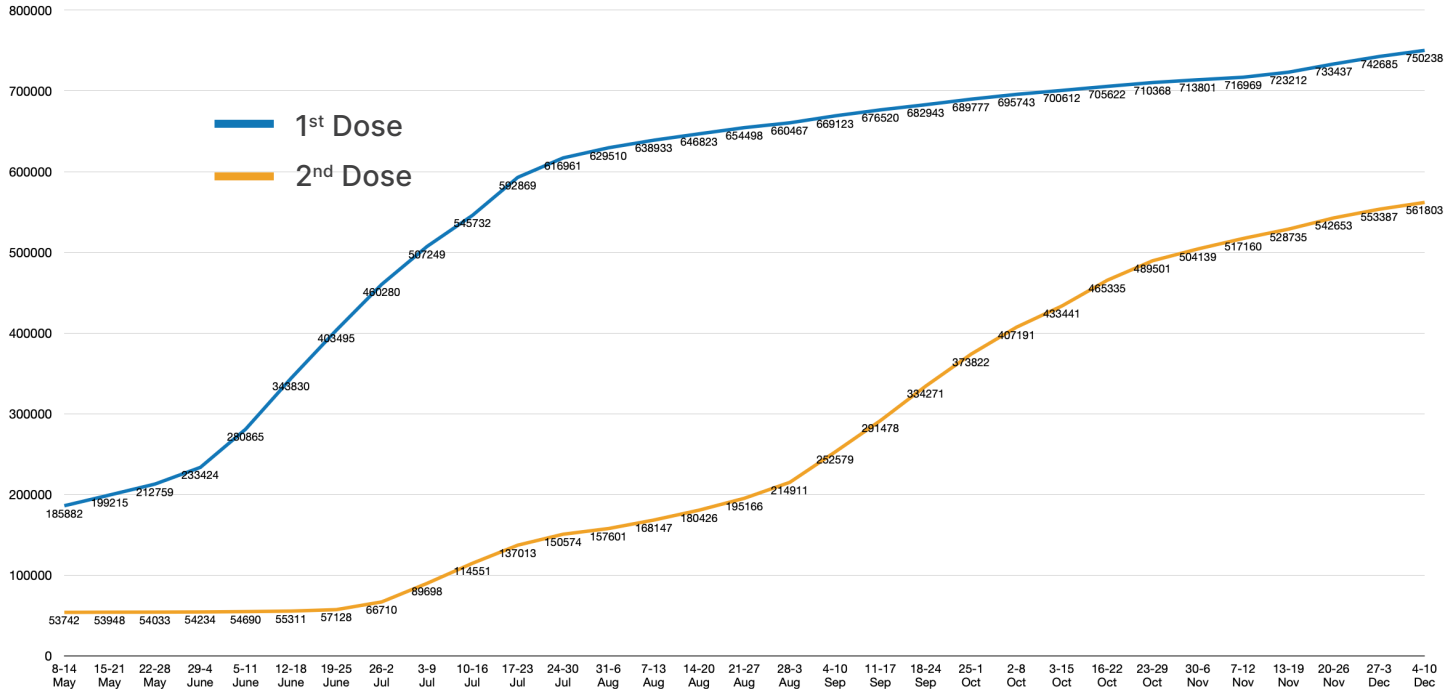
COVID-19 VACCINATION

13.12 lakh doses administered across the state

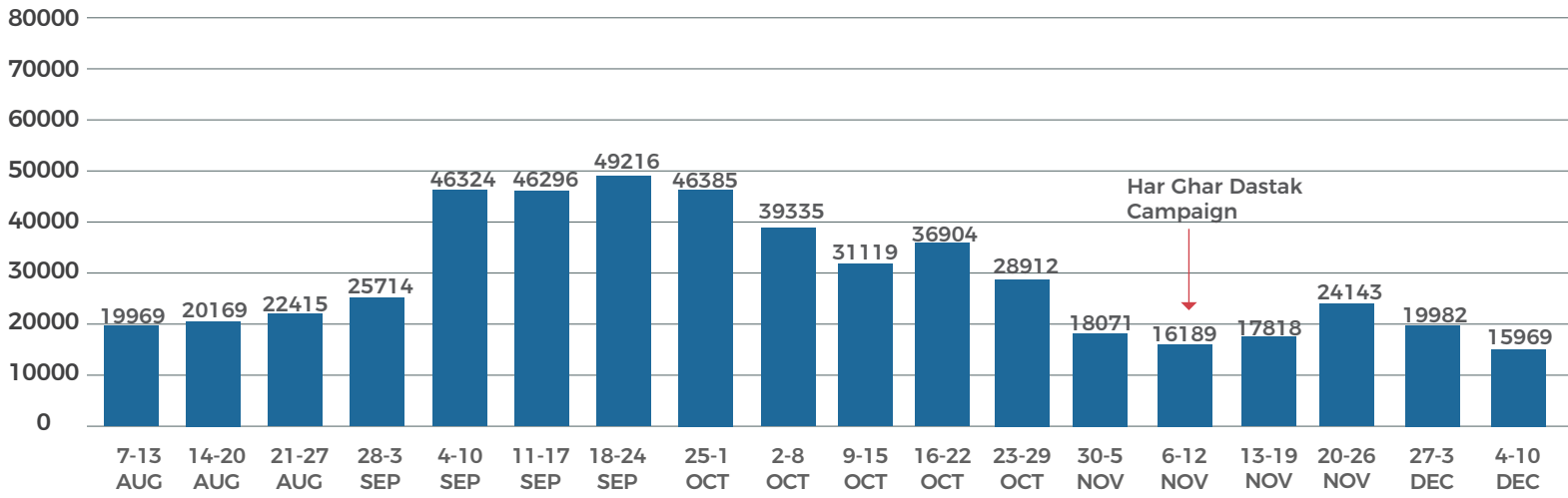
District	Total doses administered	Total Doses administered in the last 7 days	Coverage of eligible beneficiaries	
			1st Dose	2nd Dose
Dimapur	490006	6077	127 %	93 %
Kohima	201308	1078	69 %	57 %
Longleng	37843	38	59 %	45 %
Mokokchung	130407	586	51 %	43 %
Mon	126402	964	46 %	35 %
Zunheboto	68998	1938	44 %	29 %
Tuensang	71550	1382	37 %	26 %
Peren	35869	439	36 %	25 %
Wokha	61030	612	35 %	25 %
Phek	60173	745	35 %	24 %
Kiphire	28455	2110	35 %	19 %
State	13,12,041	15,969	61%	45%

**Coverage is based on census and is subject to accuracy of census population, migration, and other factors like vaccination of FLWs. Coverage of many districts are also affected by migration of students and citizens from rural to urban settlements like Dimapur and Kohima.*

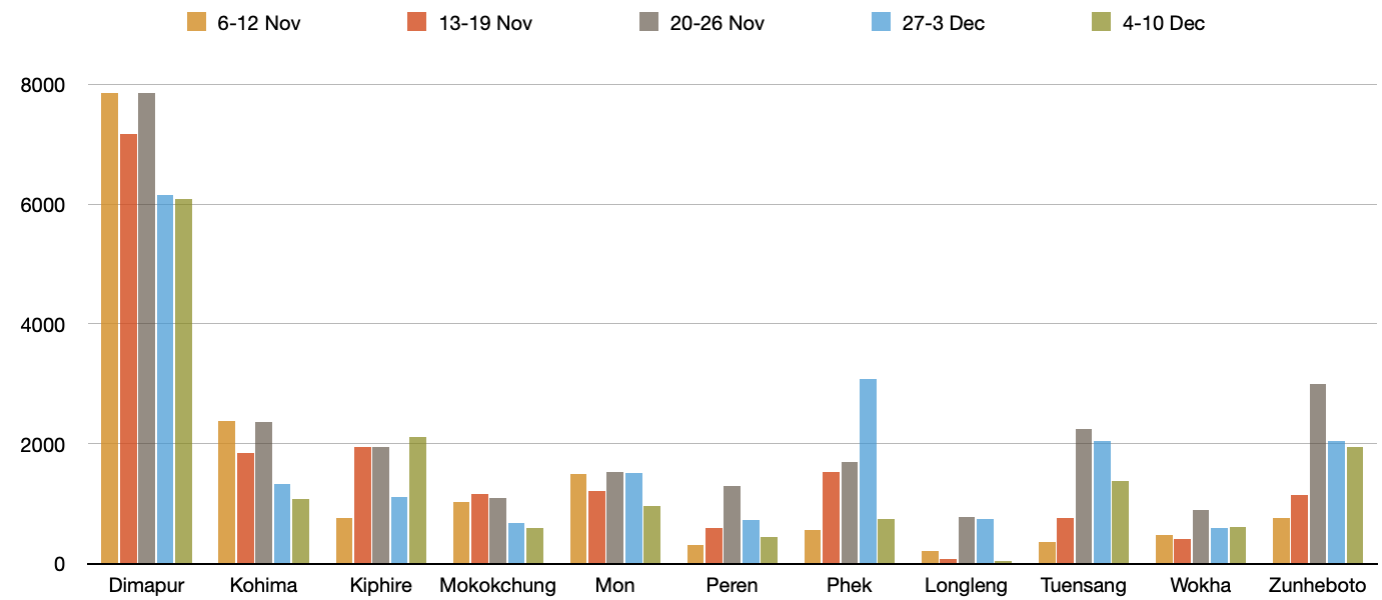
CUMULATIVE BENEFICIARIES



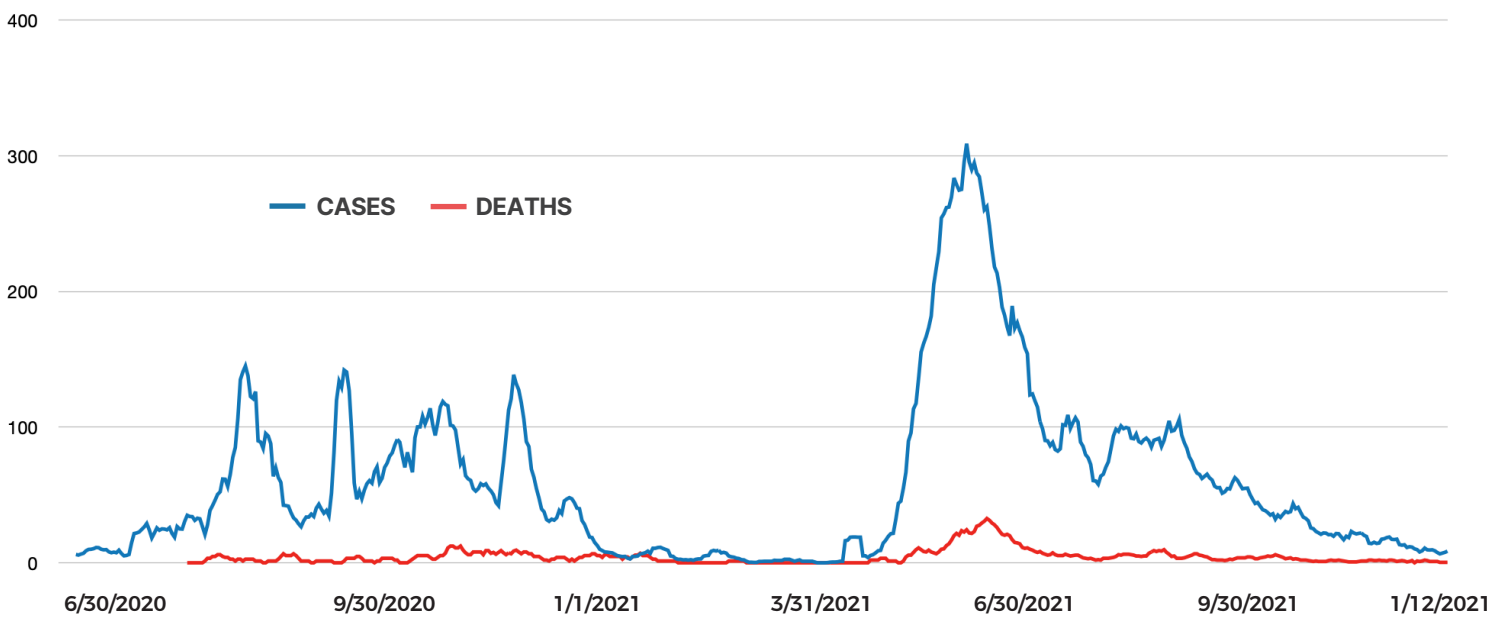
TOTAL WEEKLY VACINE DOSES ADMINISTERED



WEEKLY DOSES IN THE LAST 5 WEEKS



DAILY COVID-19 CASE INCREASE WITH 7 DAY MOVING AVERAGE

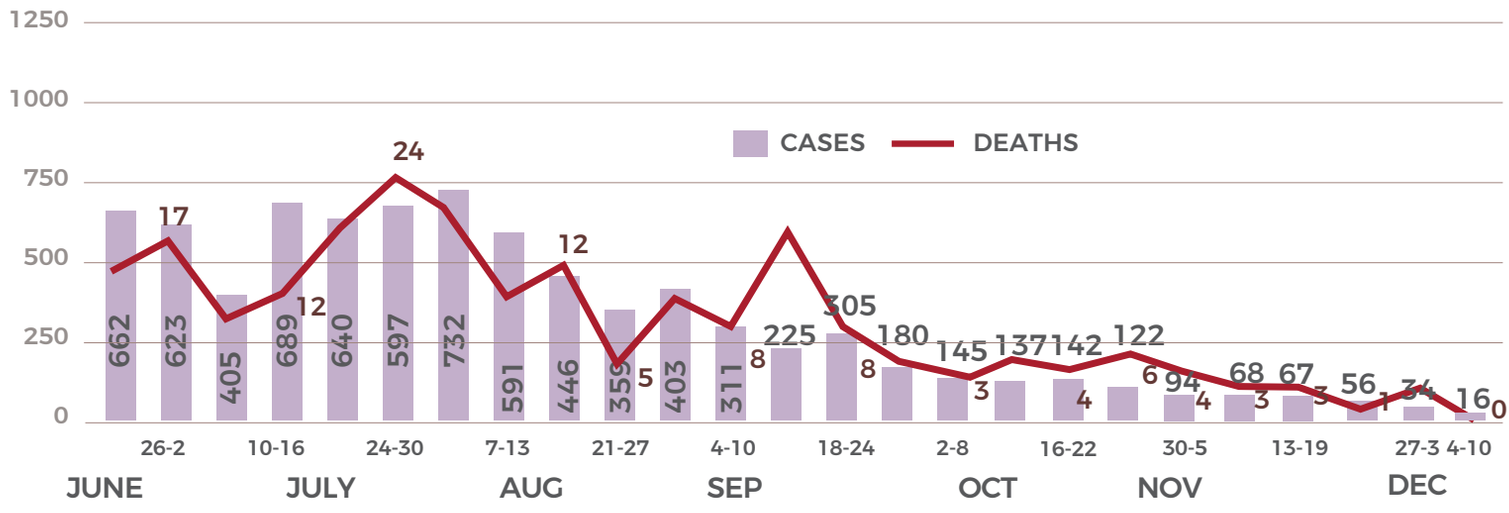


DATA AS ON 10 DECEMBER 2021

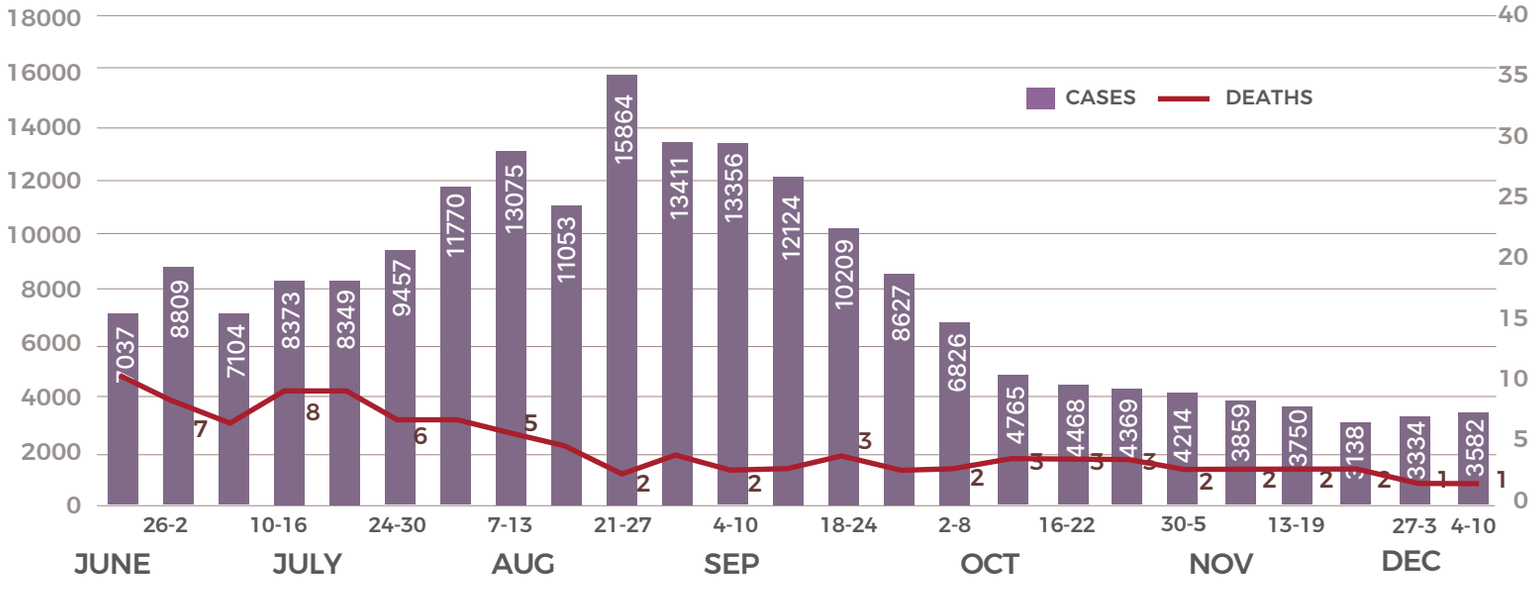
CONFIRMED CASES (weekly data)

16 confirmed cases this weekz

WEEKLY DATA OF CONFIRMED CASES AND DEATHS



WEEKLY SAMPLES TESTED AND SAMPLE POSITIVITY RATE



CONFIRMED CASES THIS WEEK

Category	Cases	%
Self- Test/ Random Test	9	56%
Traced contacts	3	19%
Travellers	3	19%
Frontline workers	10	6%
Security personnel		0%
TOTAL	16	100%

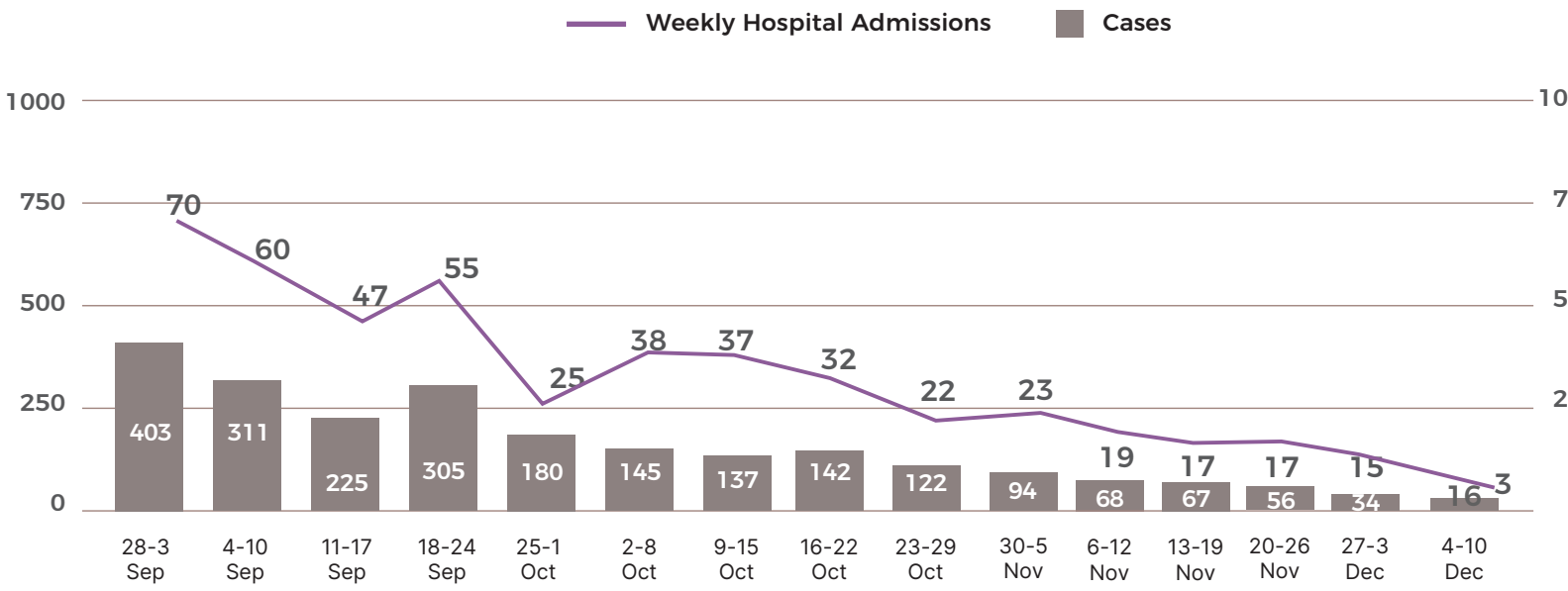
3,582 samples were tested the past week with a weekly positivity rate of 1%.

CONFIRMED COVID-19 CASES

Descriptive Epidemiology

Median age of cases	32146
Case fatality rate (CFR)	33 years (range: 2 days- 106 years)
Cases with Comorbidity	2% (683/32146)
Cases with pregnancy	2% (686/32130)
Symptomatic Cases	0.9% (100/10994)
Mild	12% (3887/32146)
Moderate	55% (2120)
Severe	19% (748)
Total Recovered	26% (1019)

WEEKLY NEW COVID-19 HOSPITAL ADMISSIONS AGAINST TOTAL CONFIRMED CASES



DATA AS ON 10 DECEMBER 2021

COVID DEATHS IN THE STATE

0 deaths reported this week

DISTRIBUTION OF COVID-19 DEATHS BY AGE AND GENDER

Age Group	2020		2021	
	Deaths	%	Deaths	%
0.09-1	0	0	2	0.3
1.1-15	0	0	1	0.2
16-20	0	0	3	0.5
21-30	6	8	30	5
31-45	19	26	146	24
46-60	19	26	190	31
61-75	17	24	163	27
76-104	11	15	76	12
TOTAL	72	100%	611	100%

Gender	2020		2021	
	Deaths	%	Deaths	%
Female	20	28	185	30
Male	52	72	426	70
TOTAL	72	100%	611	100%

WEEKLY SAMPLE POSITIVITY RATE CHANGE IN DISTRICTS

District	9-15 OCT	16-22 OCT	23-29 OCT	30-5 NOV	6-12 NOV	13-19 NOV	20-26 NOV	27-3 DEC	4-10 DEC
Dimapur	4.5	3.2	3.2	2.8	2.2	1.7	2.9	1.3	0.7
Kohima	3.3	3.0	3.0	2.0	2.2	0.8	0.8	0.6	0.4
Tuensang	1.6	10.5	0.9	5.6	0.0	2.8	0.0	1.1	0.0
Mokokchung	1.8	2.3	4.4	2.5	1.1	8.1	1.5	2.8	0.0
Phek	4.1	0.6	3.0	1.0	1.1	0.0	0.0	0.0	0.0
Zunheboto	0.0	0.0	2.2	0.0	10	0.0	0.0	0.0	0.0
Mon	0.0	0.4	0.5	0.0	0.0	0.0	0.0	0.0	0.0
Longleng	0.0	11.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Wokha	1.3	7.4	6.6	3.5	1.7	2.4	2.8	0.0	0.0
Kiphire	0.5	0.0	0.0	6.0	1.6	0.0	2.6	0.6	.0.0
Peren	1.1	0.3	0.3	0.0	0.7	0.0	0.0	0.0	0.0
State Total	2.9	3.2	2.8	2.2	1.8	1.8	1.8	1.0	0.4

DISTRICT WISE COVID 19 SITUATIONAL LEVEL
(4 -10 DEC 2021)

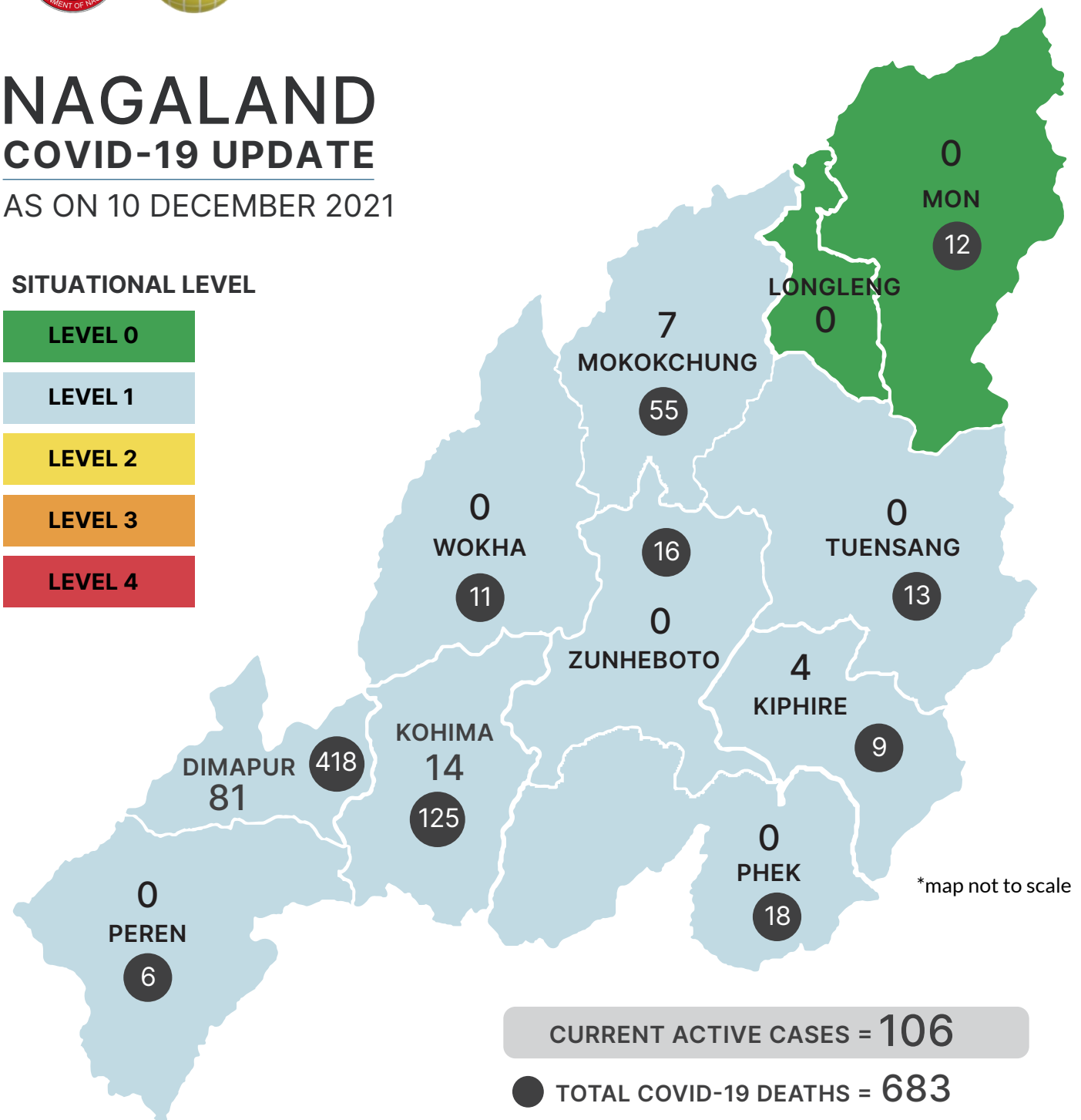
District	Situational Level	Active Cases as on 4 DEC 2021	Weekly New Cases	Growth rate of new cases (7dma)	Total Deaths till date	Weekly Deaths	Weekly Covid-19 hospital admissions	Bed Occupancy of Oxygen supported beds % as on 4 DEC 2021	Weekly Samples Tested	Weekly Sample Positivity Rate %
Dimapur	1	81	12	0.01	418	0	1	1%	1614	1.3%
Kohima	1	14	4	0	125	0	2	5%	1062	2.8%
Mokokchung	1	7	0	0	55	0	0	0%	234	1.1%
Kiphire	1	4	0	0	9	0	0	0%	138	0.6%
Longleng	1	0	0	0	0	0	0	0%	18	0.6%
Mon	1	0	0	0	12	0	0	0%	156	0.0%
Peren	1	0	0	0	6	0	0	0%	118	0.0%
Phek	1	0	0	0	18	0	0	0%	145	0.0%
Tuensang	1	0	0	0	13	0	0	0%	56	0.0%
Wokha	1	0	0	0	11	0	0	0%	34	0.0%
Zunheboto	1	0	0	0	16	0	0	0%	7	0.0%
State Total	1	106	16	0.01	683	0	3	1%	3582	0.4%

DEPARTMENT OF HEALTH AND FAMILY WELFARE
INTEGRATED DISEASE SURVEILLANCE PROGRAMME
KOHIMA: NAGALAND

NAGALAND
COVID-19 UPDATE
AS ON 10 DECEMBER 2021

SITUATIONAL LEVEL

- LEVEL 0
- LEVEL 1
- LEVEL 2
- LEVEL 3
- LEVEL 4



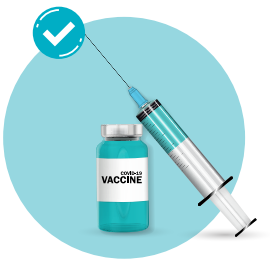
*map not to scale

CURRENT ACTIVE CASES = 106

TOTAL COVID-19 DEATHS = 683

*For data reporting, Noklak is covered under Tuensang district as there is no separate surveillance unit yet for the district.

LET'S STOP COVID-19!



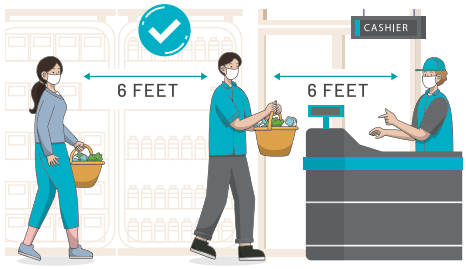
GET VACCINATED



WEAR MASK



WASH HANDS



WATCH DISTANCE

COVID-19 VACCINATION

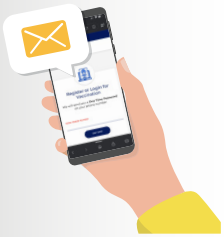
for all citizens 18 years and above



REGISTRATION

at vaccination center or online at **WWW.COWIN.GOV.IN**

select preferred Covid19 Vaccination Center (Govt./Pvt.)

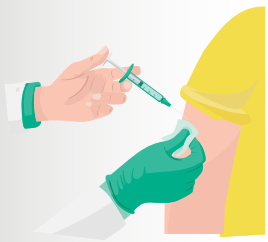


CONFIRMATION

1 - SMS on registration

2 - SMS with date, time & place of vaccination

3 - SMS after 1st dose & next due date & time



VACCINATION

carry photo ID proof for verification.

VACCINATION AT GOVERNMENT FACILITIES IS FREE!

www.nagahealth.nagaland.gov.in

www.covid19.nagaland.gov.in

www.nsdma.nagaland.gov.in

@MyGovNagaland

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Coronaga

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Bibliography:
DoHFW, Nagaland; COVID-19 War Room, Nagaland; MoHFW; WHO; WCO Nagaland; NCDC, New Delhi; CDC, Atlanta; Bloomberg ; NEJM; BMJ