



Global Epidemiological update

56.6 million people have been infected with more than 1.3 million deaths across the globe. The European region continues to be the worst affected although there has been a 10% fall in cases this week due to strengthening of Public Health and Social Measures as per WHO Situation reports. USA, India, France, Italy and Brazil recorded the maximum cases in the past week.

There is renewed hope and enthusiasm around the globe with the primary results of at least three vaccines crossing the 90% efficacy mark.

Global | National | Regional | State

Covid 19 Cases	Confirmed cases	Deaths	Death Rate
World	5,66,23,643	13,55,963	2.39%
India	90,04,365	1,32,162	1.47%
N.E. India	3,11,593	1,868	0.60%
Nagaland	10,608	50	0.47%

As on 20 November 2020

North Eastern States

State	Total Cases	No of Deaths	Death Rate
Assam	2,11,040	969	0.46 %
Tripura	32,292	365	1.13 %
Manipur	22,548	231	1.02 %
Meghalaya	10,979	104	0.95 %
Sikkim	4,609	95	2.06 %
Arunachal Pradesh	15,976	49	0.31 %
Nagaland	10,608	50	0.47 %
Mizoram	3,541	5	0.14 %
Total	3,11,593	1,868	0.60 %

As on 20 November 2020

In the past week:

World: 41,36,167 cases and 65,311 deaths.

India: 2,75,570 cases and 3,494 deaths.

Nagaland: 970 cases and 4 deaths.

VACCINE UPDATE

The phase 3 clinical trial results of three vaccines have been released with two mRNA-based vaccines (Pfizer/BioNtech and Moderna) claiming 95% efficacy and Sputnik V achieving similar efficacy. Many countries around the world have started placing orders for the vaccines. These vaccines may need ultra-cold chain storage which could be unfavourable in many countries. Going by the technological and logistical requirements, the vaccines under development by the Serum Institute of India and the Bharat Biotech seem to be best suited for the country — Covishield, Novavax and Covaxin. Phase 3 clinical trial results from Serum Institute and Bharat Biotech are expected very soon.

Major updates from the week: Summary

- A record 970 cases were reported with a sample positivity rate of 23% as total confirmed cases crossed the 10,000 mark.
- Four Superspreading events were recorded.
- Transmission slowly moves from younger age groups to high risk groups as more people with comorbidities and older age groups get infected along with increase in symptomatic cases (5%)
- 4 deaths were reported as total deaths reached 50. 64% of all deaths were below 60 years of age.
- Household and Workplaces are the most common places of infection.
- Fever (78%) and cough (51%) are the most common reported symptoms in the state.

SUPERSPREADER EVENTS IN THE STATE AS TOTAL CONFIRMED CASES CROSS 10,000

The past week recorded four (4) SUPERSPREADER EVENTS in the state. The 80/20 rule in epidemiology states that 80% percent of cases come only from 20% of the infected and these 20% are responsible for explosive growth and sustained transmission.

Superspreading Events (where one person infects more people than on an average beyond the RO number) have been the key driver in the COVID-19 pandemic across the globe.

Superspreading relies on more than one person, and it cannot happen in isolation. It takes a group of people that gather in such a way that increases the risk of transmitting the virus.

PREVENTING FUTURE SUPERSPREADER EVENTS IN THE STATE is one of the main pillars in containing the pandemic.

All the four events have happened in crowded and closed settings.

The following PREVENTIVE MEASURES should be urgently adopted for control of such events:

Setting	Cases	Percentage (%)
Govt Office (1)	59	36%
District Jail	47	29%
Govt Office (2)	36	22%
Post Office	21	13%
TOTAL	163	100%

1. **Rigorous enforcement of the 3 W's** (Wear Mask, Watch Distance, Wash Hands).
2. **Attendance staggering** in work places.
3. Dinner or lunch should **not** be cooked and served within Offices. Everyone should make their own arrangements from home if necessary.
4. Advent Christmas dinner / celebrations, birthday celebrations or any other **social events should be strictly avoided in work places.**
5. Windows and doors should be left open for **natural ventilation in any closed setting.**
6. **Anyone with COVID-19 like symptoms should not be allowed to come to work.** Testing for symptomatic people should be encouraged.
7. **Drivers should not socialize and crowd together** while waiting in offices. If an Officer/ staff is fit to drive, it is safer to avoid using the services of a designated driver.
8. **All HODs should ensure SOP for work places is enforced** and checklist for safety is filled and corrective actions are followed up. Link for SOP in High Risk settings.

<https://nagahealth.nagaland.gov.in/wp-content/uploads/2020/08/Safety-practices-in-High-Risk-setting-4th-August-2020.pdf>

9. **The public should strictly avoid the 3C's** (Crowded Places, Closed spaces and Close contact settings) where the risk of infection is much higher.

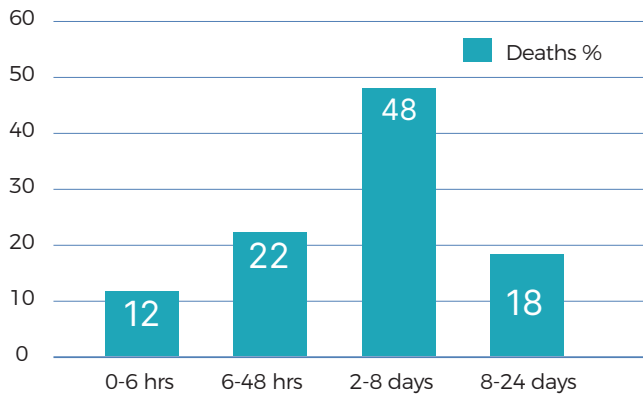
COVID DEATHS

- Total Deaths: 50
- Average Age: 54 yrs
- Range: 24 - 88 yrs
- Gender: Males 78%
- Deaths with comorbidities: 78%

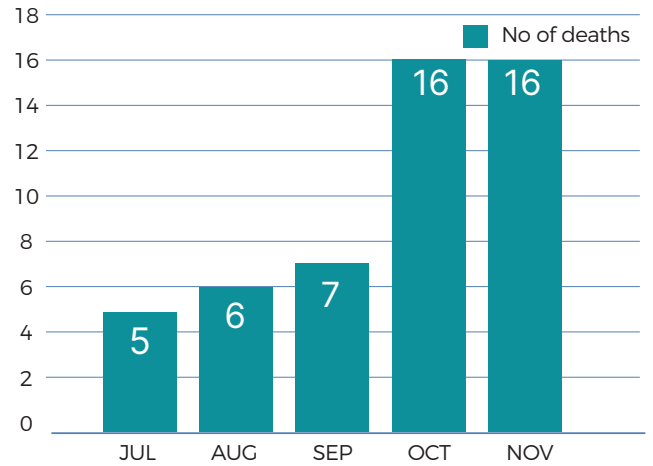
All COVID-19 deaths are certified by the state death committee as per ICMR and WHO ICD 10 guideline.

TIMING OF DEATHS

Time between admission and death

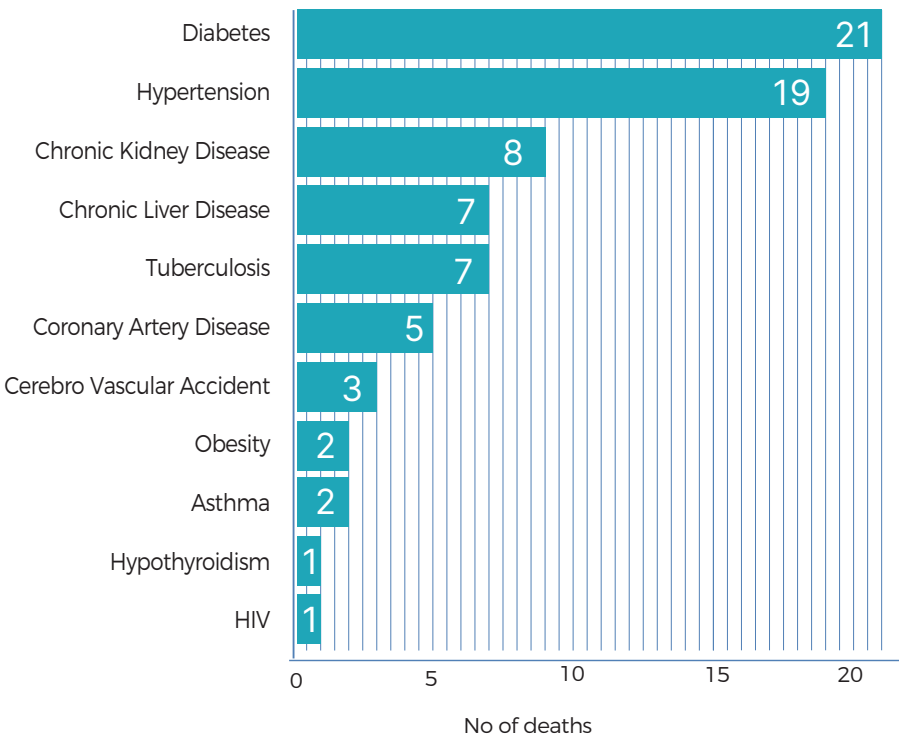


MONTHLY COVID-19 DEATHS

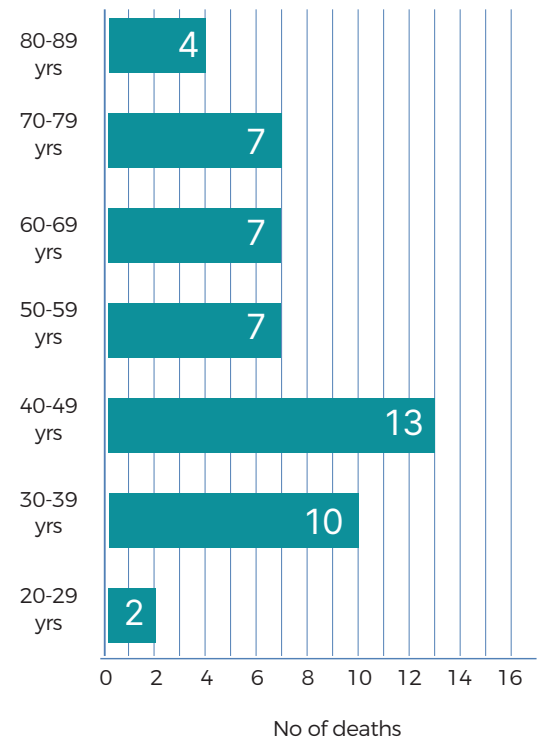


Most common comorbidities: Diabetes & Hypertension

DEATHS (ASSOCIATED COMORBIDITIES)



COVID-19 DEATHS BY AGE GROUP



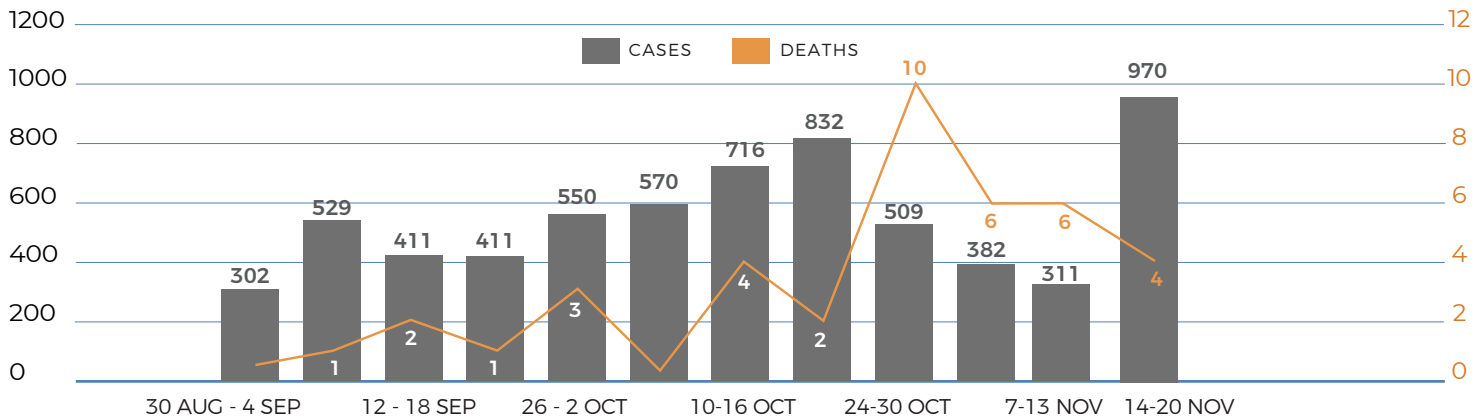
Most common affected age group is 40-49 years followed by the 30-39-years age group.

64% of deaths are below 60 years of age.

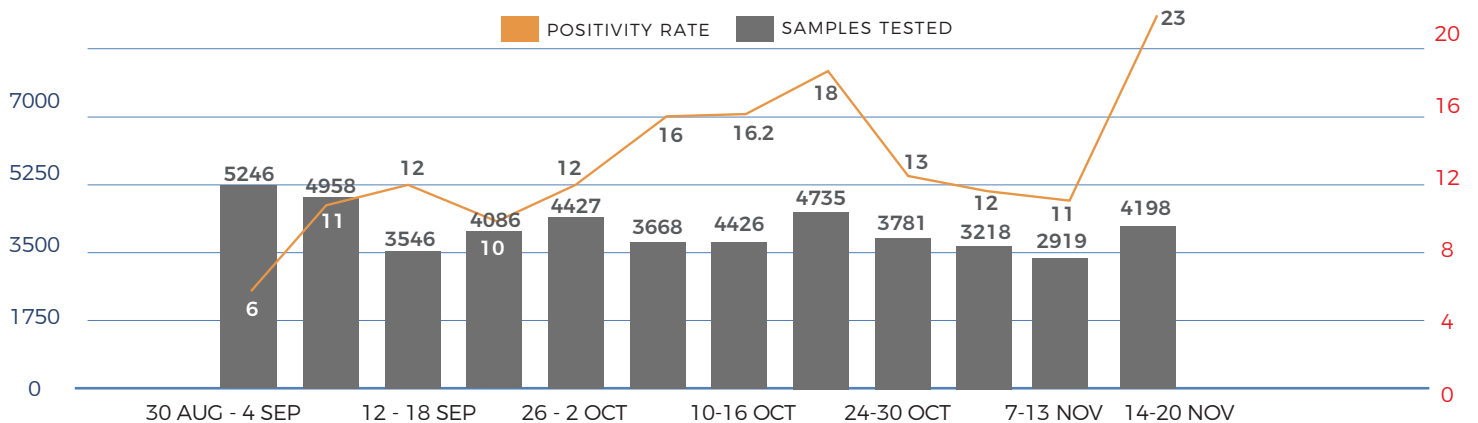
CONFIRMED CASES (weekly data)

970 cases reported this week is the highest spike in a single week.
The cases this week have been fuelled by super spreader events (SSE).

WEEKLY DATA OF CONFIRMED CASES AND DEATHS



WEEKLY DATA ON SAMPLE TESTING & SAMPLE POSITIVITY RATE

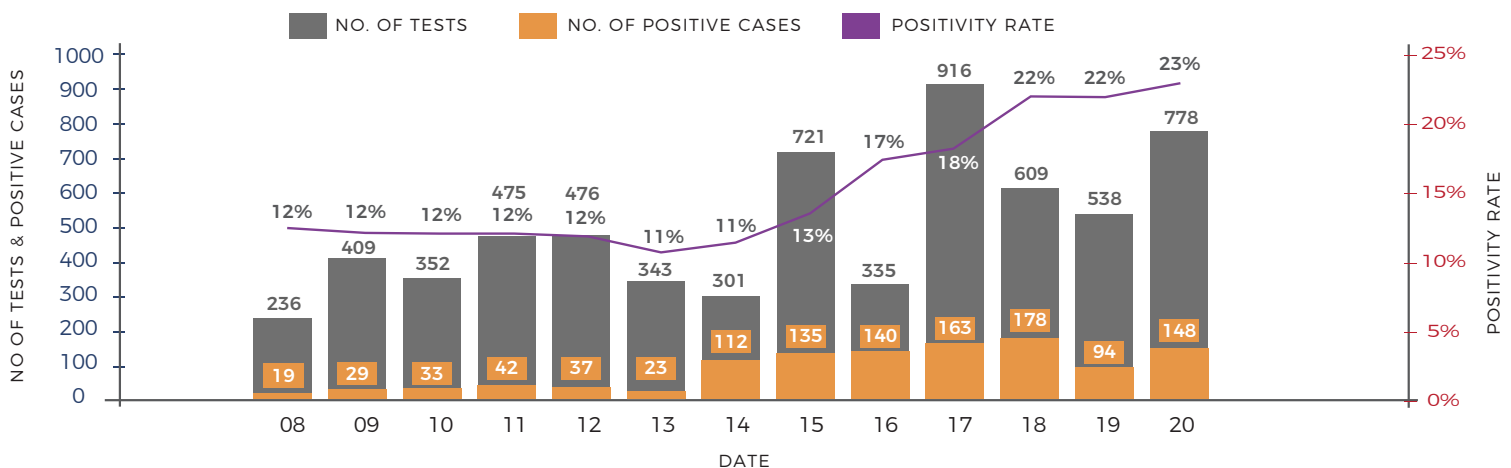


■ **Highest Weekly Positivity Rate of 23% till date.**

■ A total of 1,08,054 samples have been tested till date.

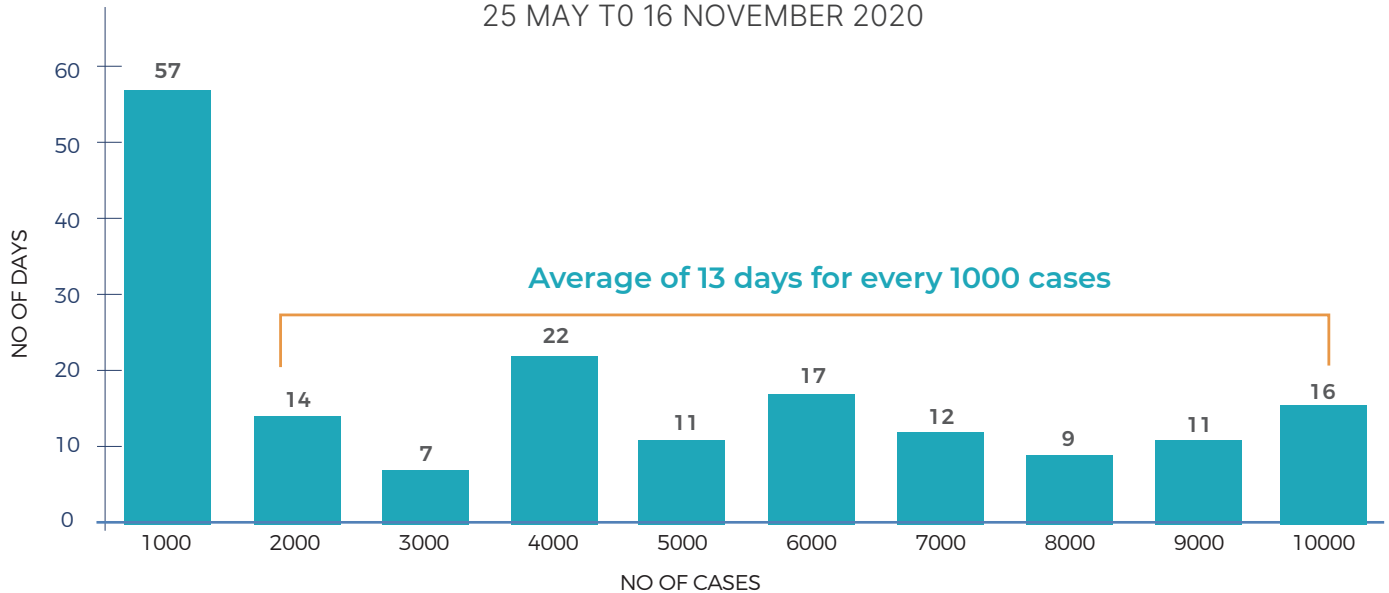
DAILY TESTING, CASES & POSITIVITY RATE

Covid-19 Tests done, number of Positive Cases & Positivity Rate 7dma = Nagaland, 08 Nov-20 Nov 2020
(Total tests done = 6489, Positive Cases = 1153)



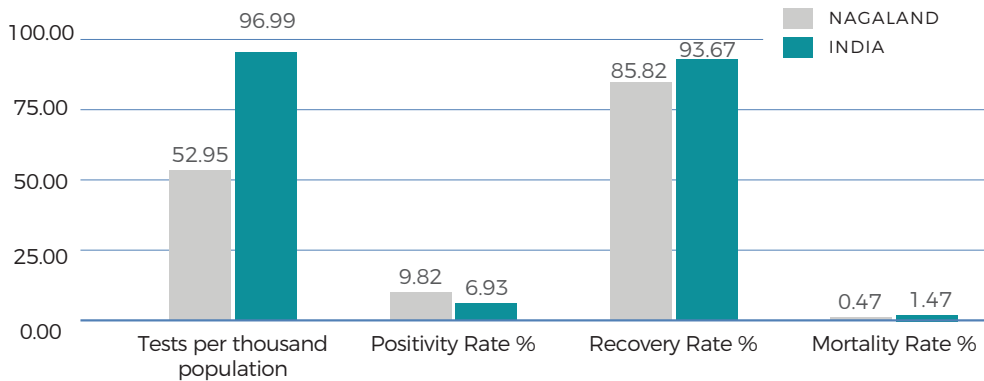
NUMBER OF DAYS TAKEN FOR EVERY 1000 CASES

25 MAY TO 16 NOVEMBER 2020



TESTING, POSITIVITY, RECOVERY AND MORTALITY RATES

Data as on 20 NOVEMBER 2020



The sample positivity rate is higher than the national average at 9.8%. High sample positivity rate could also point to more undetected cases in the population.

BED OCCUPANCY RATE IN COVID HOSPITALS AND COVID CARE CENTERS (CCC)

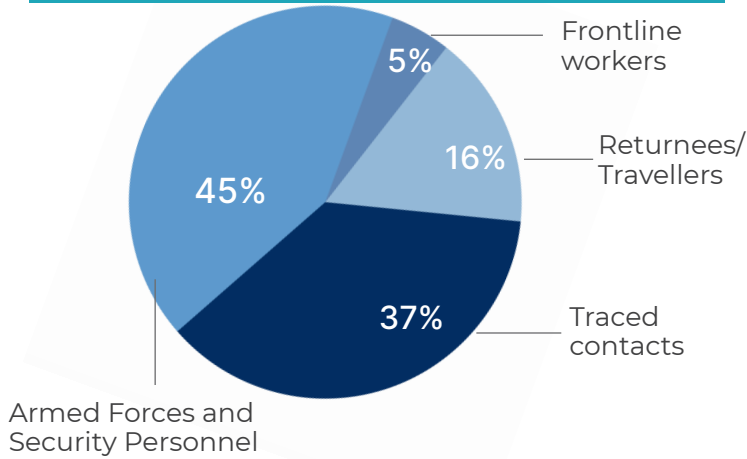
DISTRICT	COVID HOSPITAL		COVID CARE CENTERS		HOME ISOLATION Total cases till date
	Total admissions till date	Current occupancy Rate	Total admissions till date	Current Occupancy Rate	
Dimapur	717	23 %	2478	13 %	330
Kiphire	6	0 %	18	0 %	0
Kohima	302	11 %	2079	12 %	216
Longleng	0	0 %	11	0 %	0
Mokokchung	5	1 %	106	2 %	0
Mon	28	3 %	439	6 %	19
Peren	51	0 %	417	617 %	3
Phek	31	0 %	8	8 %	5
Tuensang	54	9 %	160	45 %	3
Wokha	6	0 %	28	0 %	0
Zunheboto	81	0 %	113	1 %	0
TOTAL	1,281	7 %	5,857	18 %	576

Military and paramilitary facilities are not included

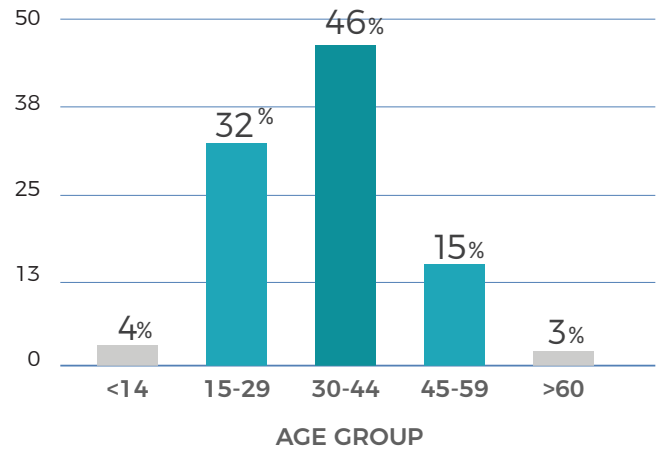
CATEGORIZATION OF TOTAL CONFIRMED CASES

Total confirmed cases till date: 10,608

GENERAL CATEGORIZATION OF CASES



AGE DISTRIBUTION OF COVID-19 CASES



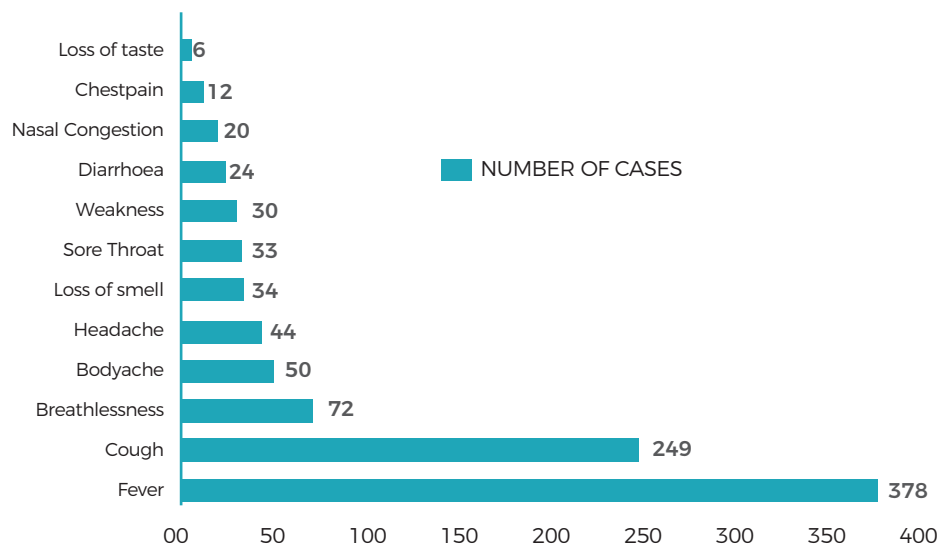
DISTRIBUTION OF CASES BY PLACE OF RESIDENCE

District	Cases	%
Dimapur	5818	55
Kohima	3067	29
Mon	601	6
Peren	540	5
Tuensang	189	2
Zunheboto	141	1
Mokokchung	120	1
Phek	47	0.4
Wokha	38	0.3
Kiphire	29	0.2
Longleng	18	0.1
Total	10,608	100

DESCRIPTIVE EPIDEMIOLOGY

Characteristics	Number/Percentage
Median Age of Positive Cases	33 years
Range (Age)	1 month - 98 years
Cases with comorbidity	1%
Gender	Male (80%)
Symptomatic Cases	5%

CLINICAL PRESENTATION OF SYMPTOMATIC CASES



Among 10608 cases, 5% (486/10608) have or had symptoms. The most common presenting feature among symptomatic cases is fever 78% (378/486) followed by cough 51% (249/51).

CONTACT TRACING

A total of 30,213 contacts have been traced of which 12,660 are primary contacts by surveillance teams.

DISTRIBUTION OF POSITIVE TRACED CONTACTS BY AGE-GROUP & OCCUPATION

Age Group	Cases	Percentage
0.1 - 10 yrs	269	7
11 - 20 yrs	497	13
21 - 30 yrs	1018	26
31 - 40 yrs	1006	25
41 - 50 yrs	602	15
51 - 60 yrs	355	9
61 - 98 yrs	205	5
TOTAL	3,952	100%

- Among the traced contacts, the most affected age group is 21-30 years at 26% (1018/3952) followed by 31-40 years at 25% (1006/3952). Among them, 63% (2480/3952) are males.
- Following younger age groups, there is a **continuous increase in cases among 51-60 years age group in the past one week**, and even in 60 plus age category. **Infection in the young follows later to the high-risk groups as is evident by the state data.**

Gender	Cases	Percentage
Female	1472	37
Male	2480	63
TOTAL	3,952	100%

Occupation/Place of infection	Cases	Percentage
Household contacts	1139	29
Government employees	999	25
Students	725	18
Self employed	637	16
Unemployed	132	3
Prison contacts	138	3
Migrant workers	52	1
Teachers	30	0.8
Church contacts	30	0.8
Bakery/Restaurant employee	24	0.6
Convent contacts	21	0.5
Shelter home	18	0.5
Media personnel	7	0.2
Symptomatic/ Pre-op/Travel	403	10
TOTAL	3,952	100%

- **Positivity rate among household contacts 29% (1139/3952) and office goers 25% (999/3952) continues to be the highest.**
- The positivity rate among students continue to remain steady at 18% (725/3952).
- The positivity among **symptomatic/ pre-op screening/ travel purposes coming to Flu clinics increased to 10% (403/3952)** which is worrisome.

Data till date

TEST TYPE	NO OF TESTS	%
■ BSL 2-3	66,177	61%
■ Truenat	35,401	33%
■ RAT	6,476	6%
Total	1,08,054	100%

ACTIVE CASES

DATA AS ON 20 NOVEMBER 2020

DISTRICT DISTRIBUTION OF ACTIVE CASES AND SAMPLING

District	Deaths	Active Cases	Samples Tested	Tests per thousand population	Positivity Rate
Dimapur	30	781	44362	113	13.3 %
Kiphire	0	1	917	12	3.1 %
Kohima	16	337	30849	111	10.0 %
Longleng	0	0	1182	23	1.5 %
Mokokchung	1	3	3750	19	3.2 %
Mon	1	28	11415	44	5.1 %
Peren	0	155	5382	55	9.2 %
Phek	0	7	2668	16	1.7 %
Tuensang	1	27	4190	21	4.4 %
Wokha	1	0	1304	8	2.2 %
Zunheboto	0	1	2035	14	6.8 %
NAGALAND	50	1,340	1,08,054	53	9.8 %

CURRENT DISTRIBUTION OF ACTIVE CASES

	COVID HOSPITALS	COVID CARE CENTERS	HOME ISOLATION	MILITARY ESTABLISHMENTS	TOTAL
TOTAL	39	364	576	361	1340
%	3%	27%	43%	27%	100%

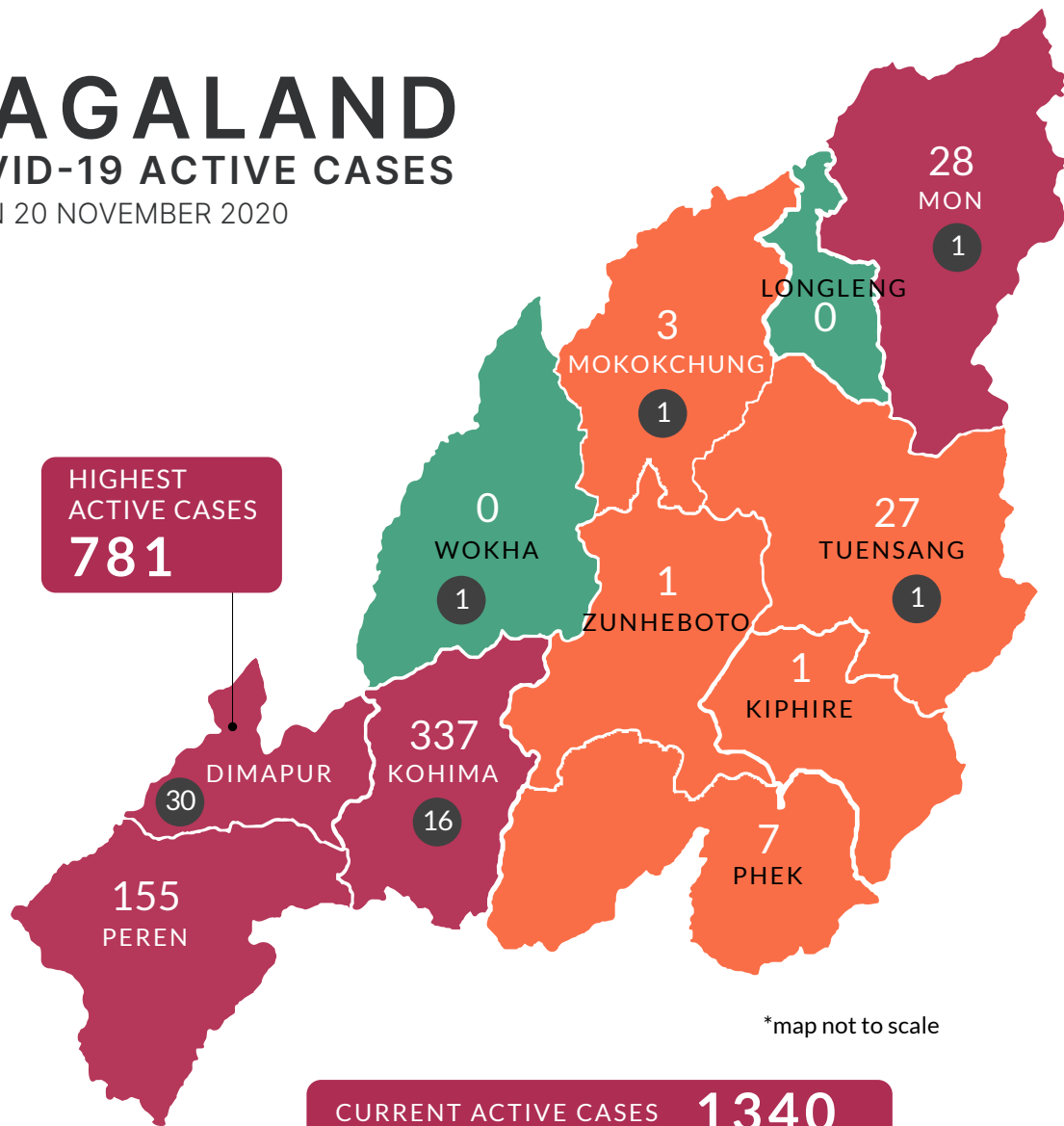
How do we stay safe during the pandemic?

The main mode of transmission is from Person to person. Everyone should strictly follow the 3 W's (Wash Hands, Watch Distance and Wear Mask) and AVOID the 3 C's (Crowded places, Close Contact Setting and Confined settings). This is the only proven preventive measure till date.

NAGALAND

COVID-19 ACTIVE CASES

AS ON 20 NOVEMBER 2020



● Total number of Covid-19 Deaths

PUBLIC APPEAL

For the safety of everyone in the community, the following public health measures are to be strictly noted;

1. If you have any COVID-19 like symptoms, please contact the state helpline or the respective district helplines immediately for testing and early management.
2. DO NOT go outside or meet anyone if you have COVID-19 like symptoms.
3. If you are tested positive, do not hesitate to disclose names of your contacts to the contact tracing teams. If you do not cooperate, you are directly spreading COVID-19 in the community.
4. If you are a CONTACT, you should come forward for testing as and when specified.
5. Do not wait for your symptoms to get worse and put your life at risk. The treatment available for COVID-19 is very limited but the TIMING of interventions like Oxygen, steroids, antivirals etc is extremely crucial.

Let us be responsible citizens and fight COVID-19 together.

If you develop any signs and symptoms of
COUGH, FEVER OR DIFFICULTY IN BREATHING

Call the State Health Helpline Number immediately: **1800-345-0019**

**THE PUBLIC IS THE FIRST LINE OF DEFENSE!
ADHERE TO GOVERNMENT ADVISORIES AND STAY UPDATED.**

AVOID the 3 C's



CROWDED PLACES



**CLOSE-CONTACT
SETTINGS**



**CONFINED OR
ENCLOSED SPACES**

FOLLOW the 3 W's



WEAR MASK




WASH HANDS




WATCH DISTANCE


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 www.nagahealth.nagaland.gov.in

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 Coronaga



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