



Global Epidemiological update

A total of 81.9 million people have been infected with more than 1.8 million deaths reported as of date. A general decline in cases was observed from the previous week but WHO cautions the decline may be influenced by, “presentation, testing and reporting delays”. The region of the Americas and the European region continue to be most affected with the USA, Brazil, United Kingdom, Northern Ireland, Russian Federation and India reporting maximum cases in the past week.

SARS-COV-2 variants and mutations

The SARS-COV-2 Variant (**VUI202012/01**) detected initially in South East England continues to be detected in many countries including India where around 29 cases have been found. A similar strain in South Africa (501Y.V2) with the same mutations has been found through genomic analysis.

- Mutations in virus is expected and natural and it is not the first-time mutations have been detected in the SARS-COV-2.
- The new variants are concerning due to higher rates of transmission and its ability to infect children and younger age groups.
- There is no evidence yet that the new variant causes more severity or mortality
- Virus can mutate anytime and anywhere. **The more we allow it to spread, the more opportunity it has to change /mutate.** This brings us back to the importance of basic safety and containment measures.
- It is unlikely that the new variants will affect efficacy of the vaccines.

More than 10 million people have received COVID-19 vaccine

Around 10.3 million people have received COVID-19 vaccine in 29 countries as of date as more countries go for emergency authorization of vaccines. In India, three vaccine candidates have applied for EUA / Emergency Use Authorization.

VACCINE	MANUFACTURER	TYPE	STATUS
Covishield/Oxford AstraZeneca	Serum Institute of India/ Oxford University	Viral vector	Recommended by SEC to DCGI
Covaxin	Bharat Biotech	Viral vector	Phase 3 clinical trials
Pfizer	Pfizer/ BioNtech	mRNA	Already approved in other countries

The state has completed orientation of health care workers for COVID-19 vaccination with adequate preparation of cold chain system. Dry Run for COVID-19 vaccination will be done across the country in the first week of January. The first phase of COVID-19 vaccination will cover all health care workers.

Covid 19 Cases	Confirmed cases	Deaths	Death Rate
World	8,19,47,503	18,08,041	2.21%
India	1,02,86,709	1,48,994	1.45%
N.E. India	3,29,846	2,183	0.66%
Nagaland	11,929	69	0.58%

As on 1st January 2021

State	Total Cases	No of Deaths	Death Rate
Assam	2,16,211	1,045	0.48 %
Tripura	33,268	385	1.16 %
Manipur	28,188	355	1.26 %
Meghalaya	13,427	139	1.04 %
Sikkim	5,889	127	2.16 %
Nagaland	11,929	69	0.58 %
Arunachal Pradesh	16,719	56	0.33 %
Mizoram	4,215	7	0.17 %
Total	3,29,846	2,183	0.66 %

In the past week:**World: 37,52,556 cases and 71,289 deaths.****India: 1,39,864 cases and 1,902 deaths.****Nagaland: 34 cases and 2 deaths.****Major updates from the week: Summary**

- 2 COVID-19 deaths and 34 cases were reported from the week. Although cases are decreasing in the past few weeks, caution should be exercised in interpreting the data as testing has decreased significantly during the same period.
- Cases from flu clinics/ self-test without travel history/contact continue to increase (14% of cases from the community)
- 63% of COVID-19 deaths are below 60 years of age. Diabetes and hypertension are the most commonly associated comorbidities.
- Recovery rate is 96% while mortality rate of 0.58% is lower than the national average of 1.45 %
- Sample positivity rate for December is still high at 10% but has declined from 15.5% in October.
- 13 cases were admitted in COVID Hospitals the past week with moderate to severe symptoms.
- 28% of COVID deaths were within 48 hours of admission to a COVID-19 hospital pointing towards late arrival with advanced stages of the disease.

Testing and Isolation of SYMPTOMATIC TRAVELLERS AND CONTACTS after the festive season

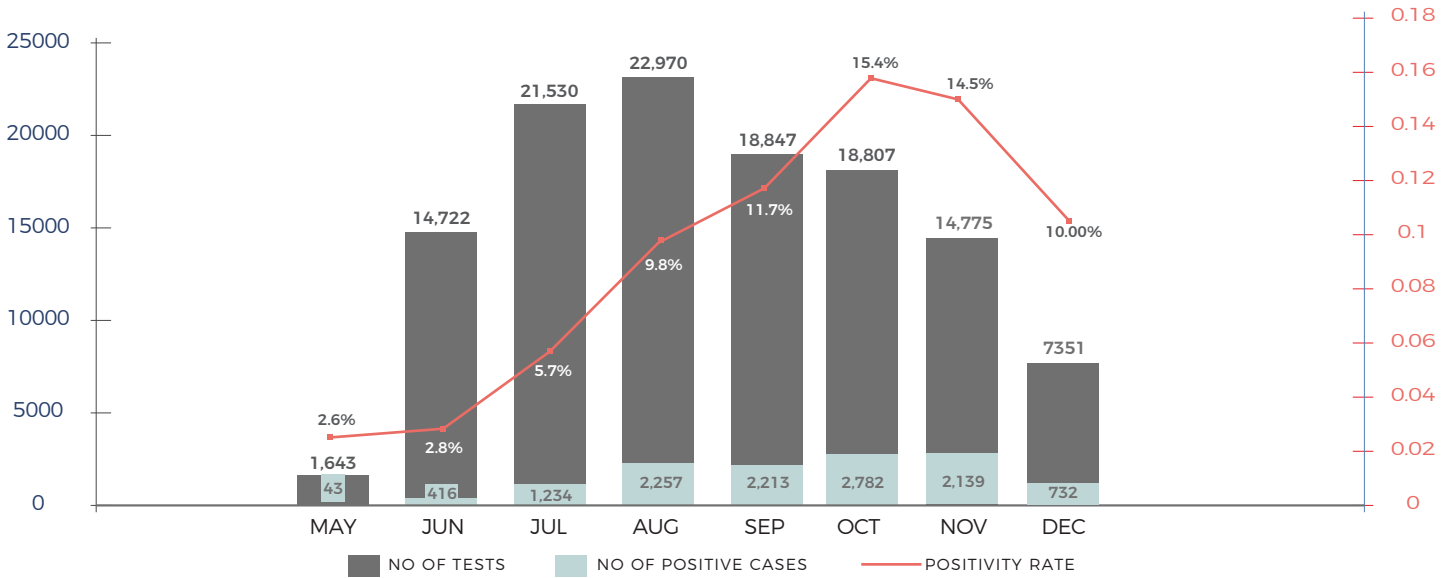
Symptomatic Travelers and contacts of travelers who have travelled from one place to another during the festive season should isolate themselves and get tested.

Any symptomatic, even with mild flu like symptoms should strictly isolate and do necessary testing as only a COVID-19 test can distinguish between COVID-19 and the common flu.

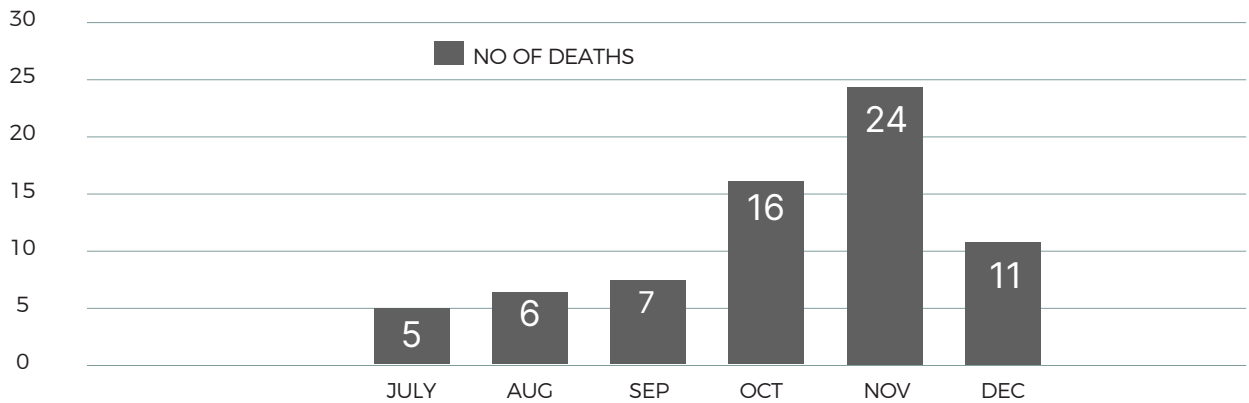
Anyone with COVID-19 like symptoms should strictly avoid public spaces, offices and avoid the three C's.

As offices and workplaces open in the coming weeks, maximum precautions should be taken to ensure safety at workplaces.

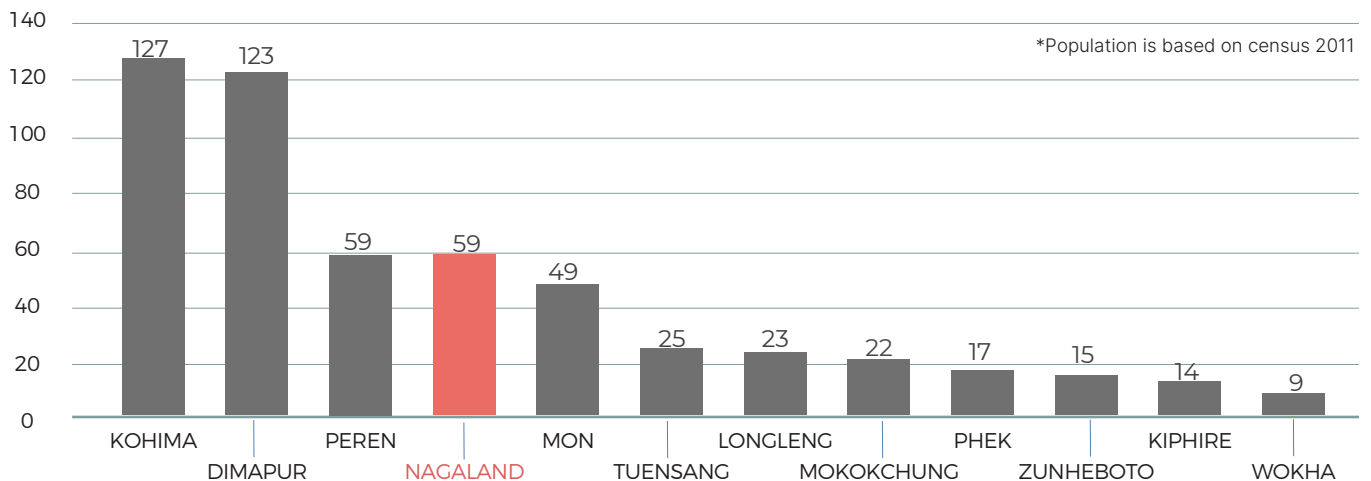
MONTHLY TESTING & POSITIVITY RATE



MONTHLY MORTALITY DATA



DISTRICT WISE TESTING PER THOUSAND



DATA AS ON 1 JANUARY 2021

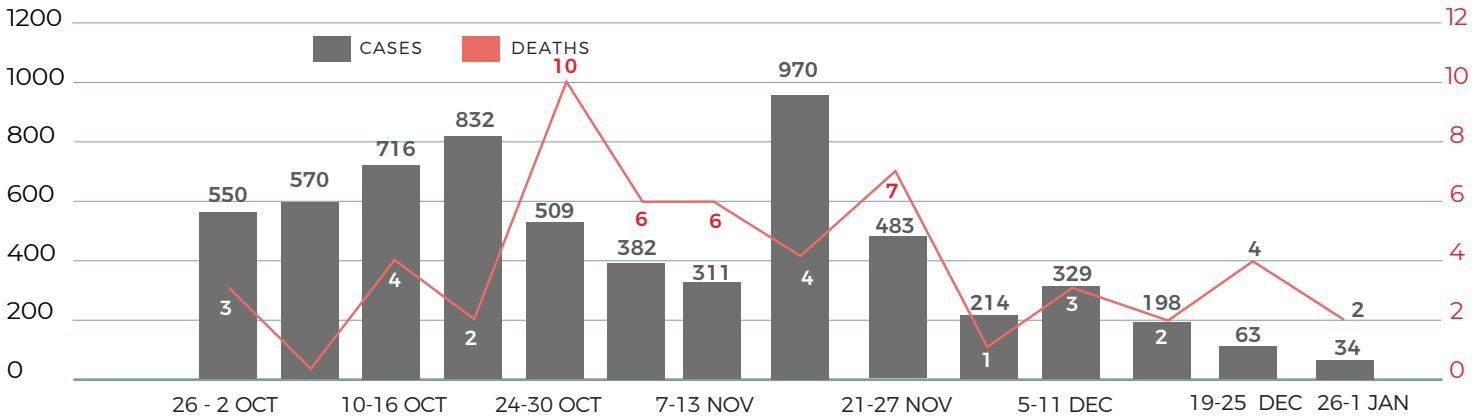
Till date

TEST TYPE	NO OF TESTS	%
BSL 2-3	72,526	60
Truenat	36,732	31
RAT	11,139	9
Total	1,20,397	100

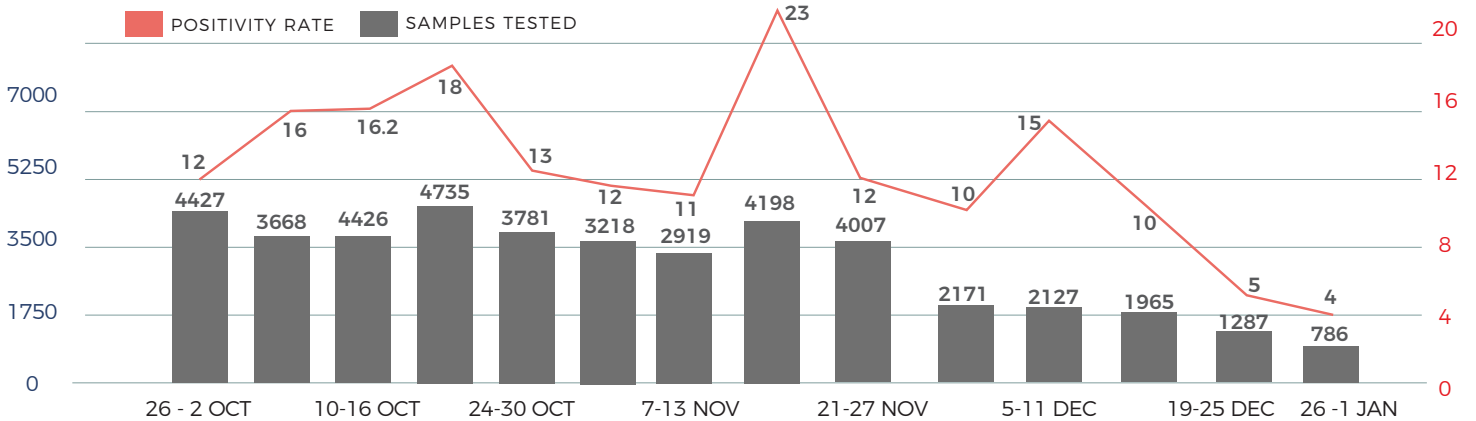
CONFIRMED CASES (weekly data)

34 confirmed cases this week

WEEKLY DATA OF CONFIRMED CASES AND DEATHS

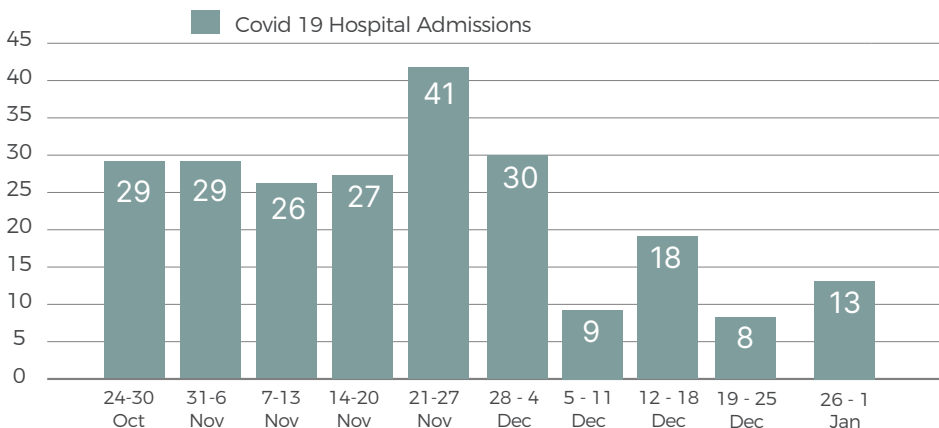


WEEKLY DATA ON SAMPLE TESTING & SAMPLE POSITIVITY RATE



- **Sample positivity rate remains one of the highest in the country.**
- A total of 1,20,397 samples have been tested till date.

WEEKLY COVID-19 HOSPITAL ADMISSIONS



CONFIRMED CASES THIS WEEK

Age Group	Cases	%
Traced Contacts	24	71
Armed forces/ Security	2	6
Travelers	7	21
Frontline workers	1	3
TOTAL	34	100%

Increase in COVID-19 hospital admissions signifies increase in moderate, severe and critical cases and undetected transmission in the community.

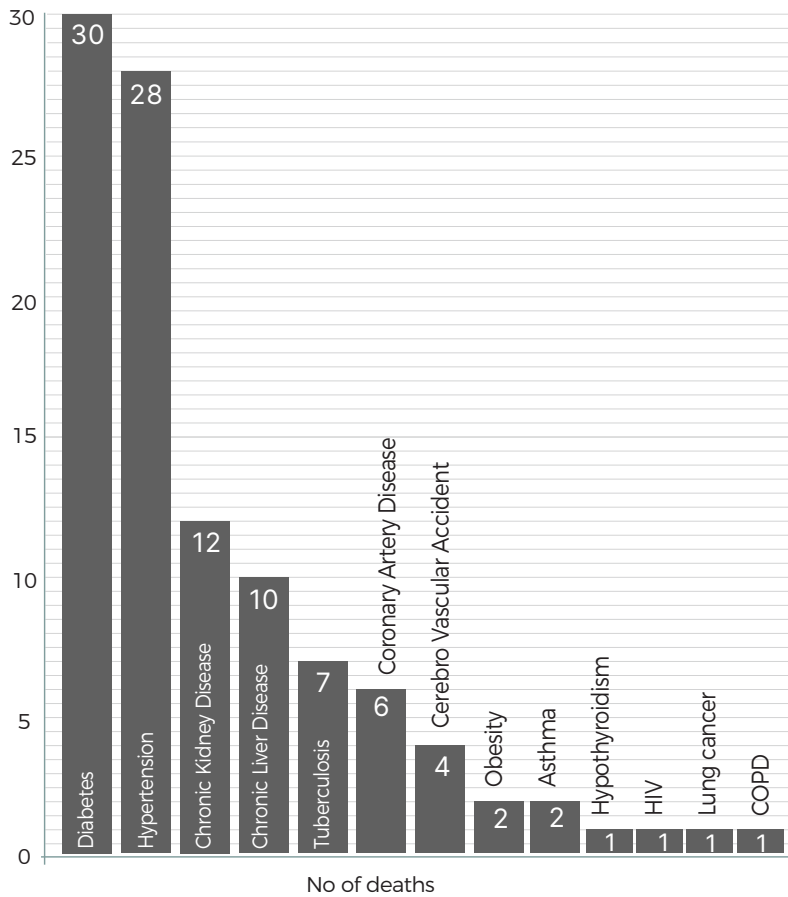
DATA AS ON 1 JANUARY 2021

COVID DEATHS

- Total Deaths: 69
- Median Age: 52 yrs
- Range: 24 - 90 yrs
- Gender: Males 73%
- Deaths with comorbidities: 83%

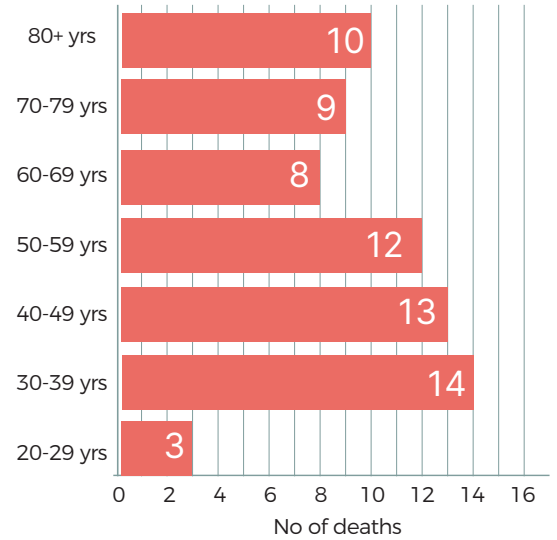
All COVID-19 deaths are certified by the state death committee as per ICMR and WHO ICD 10 guideline.

DEATHS (ASSOCIATED COMORBIDITIES)

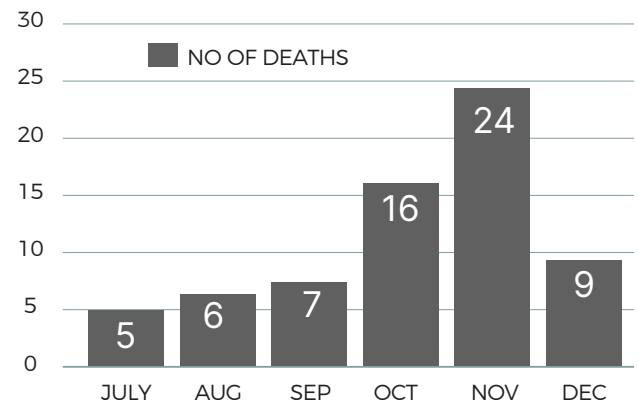


Multiple comorbidities are associated with a single patient.

COVID-19 DEATHS BY AGE GROUP

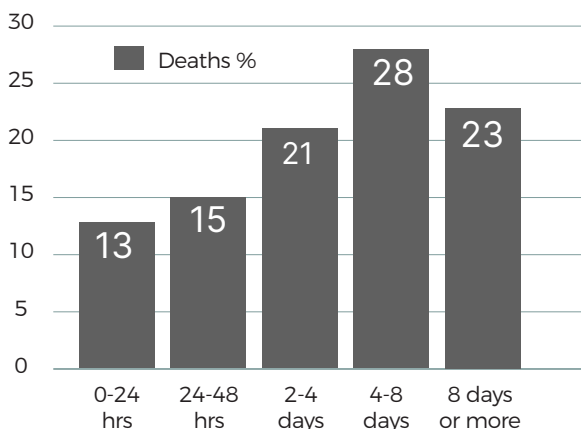


MONTHLY MORTALITY DATA



Most common comorbidities: Diabetes & Hypertension

TIMING OF DEATHS AFTER ADMISSION



28% OF DEATHS happened within 48 hours of admission signifying late arrival to hospital with advanced disease.

63 % deaths are below 60 years.

Most common affected age group is 40-49 and 30-39-year age groups.

CONTACT TRACING

DISTRIBUTION OF POSITIVE TRACED CONTACTS BY AGE-GROUP & OCCUPATION

Age Group	Cases	Percentage
0.1-10	336	7
11 -20	631	13
21-30	1237	25
31-40	1227	25
41-50	741	15
51-60	431	9
61-98	283	6
TOTAL	4,886	100%

Gender	Cases	Percentage
Female	1912	39
Male	2974	61
TOTAL	4,886	100%

Among the traced contacts, the most affected age group is 21-30 years at 25% (1237/4886) and 31-40 years at equal 25% (1227/4886). Among them, 61% (2974/4886) are males.

The uncontrolled spread among the age group of 21-40 years is increasing risk in the higher age groups.

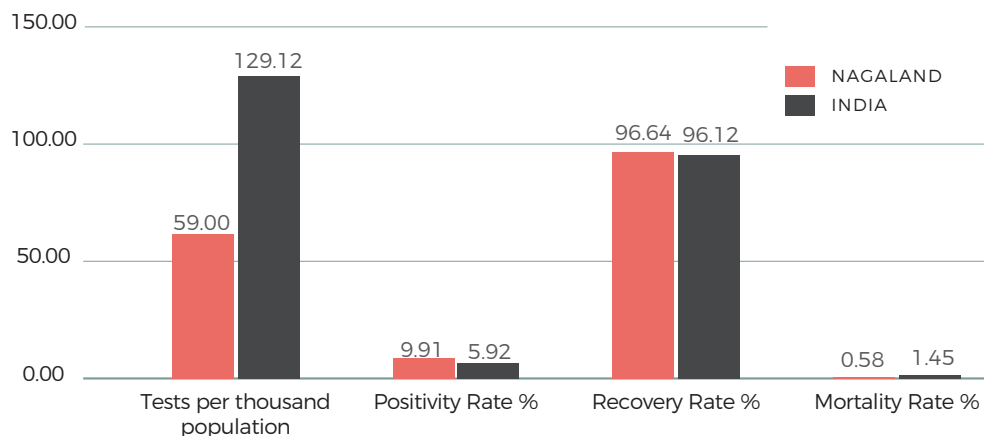
Occupation/Place of infection	Cases	Percentage
Household contacts	1411	29
Government employees	1143	23
Students	921	19
Self employed	775	16
Unemployed	198	4
Prison contacts	138	3
Migrant workers	69	1
Teachers	68	1
Church contacts	33	0.7
Convent contacts	29	0.6
Bank Staff	28	0.6
Bakery/Restaurant employee	24	0.5
Shelter home	18	0.4
Taxi Drivers	17	0.4
Media persons	7	0.1
NGO staff	7	0.1
Symptomatic/ Pre-op/Travel	684	14
TOTAL	4,886	100%

Positivity rate among household contacts 29% (1411/4886) continue to remain more than the office goers at 23% (1143/4886) and 19% (921/4886) among students.

The positivity rate among symptomatics/ pre-op screening/ travel purposes coming to Flu clinics continue to remain high at 14% (663/4861) which is worrisome.

The above data of high household contacts, office goers, prison contacts and the recent spread among bank employees clearly points toward “living room/ closed space spread”

TESTING, POSITIVITY, RECOVERY AND MORTALITY RATES



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

DISTRICT	COVID HOSPITAL		COVID CARE CENTERS		Currently under HOME ISOLATION
	Total admissions till date	Current occupancy Rate	Total admissions till date	Current Occupancy Rate	
Dimapur	780	17 %	2647	1 %	27
Kiphire	7	0 %	18	0 %	3
Kohima	331	4 %	2347	1 %	44
Longleng	0	0 %	11	0 %	0
Mokokchung	12	4 %	132	16 %	25
Mon	28	0 %	442	0 %	0
Peren	55	5 %	451	21 %	3
Phek	31	0 %	8	0 %	3
Tuensang	69	0 %	178	0 %	0
Wokha	6	0 %	32	0 %	0
Zunheboto	81	0 %	114	0 %	0
TOTAL	1400	4 %	6380	2 %	105

Military and paramilitary facilities are not included

How do we stay safe during the pandemic?

The main mode of transmission is from person to person.

Everyone should strictly :

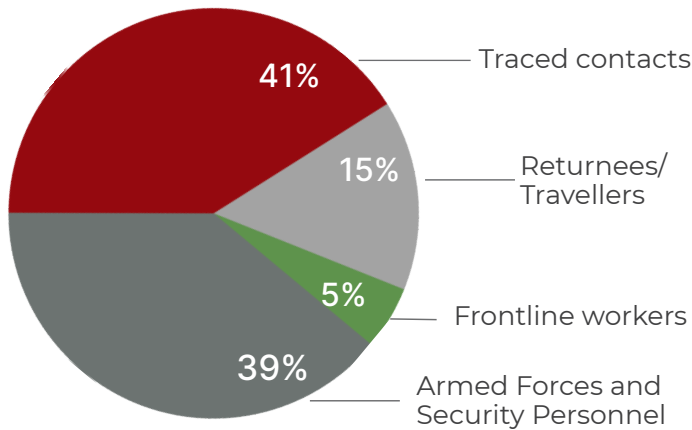
FOLLOW the 3 W's (Wash Hands, Watch Distance and Wear Mask) and **AVOID the 3 C's** (Crowded places, Close Contact Setting & Confined settings).

This is the best proven preventive measure till date.

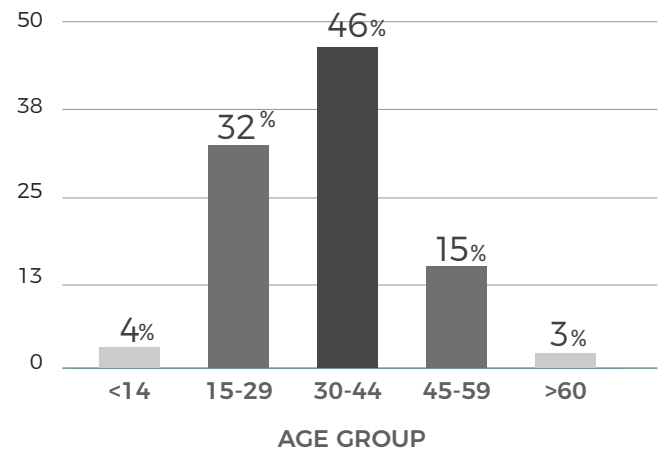
CATEGORIZATION OF TOTAL CONFIRMED CASES

Total confirmed cases till date: 11,929

GENERAL CATEGORIZATION OF CASES



AGE DISTRIBUTION OF COVID-19 CASES

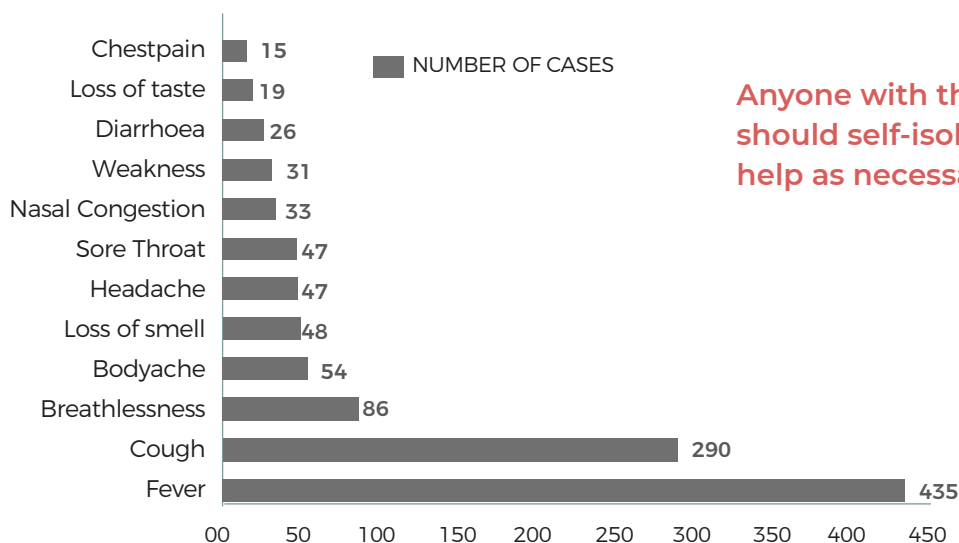


DESCRIPTIVE EPIDEMIOLOGY

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

Those people who have symptoms may self-isolate or seek medical care but those without symptoms may continue to circulate in the community.

CLINICAL PRESENTATION OF SYMPTOMATIC CASES



Anyone with the mentioned symptoms should self-isolate and seek medical help as necessary.

A crucial factor in community transmission is that infected individuals not experiencing symptoms can transmit the virus.

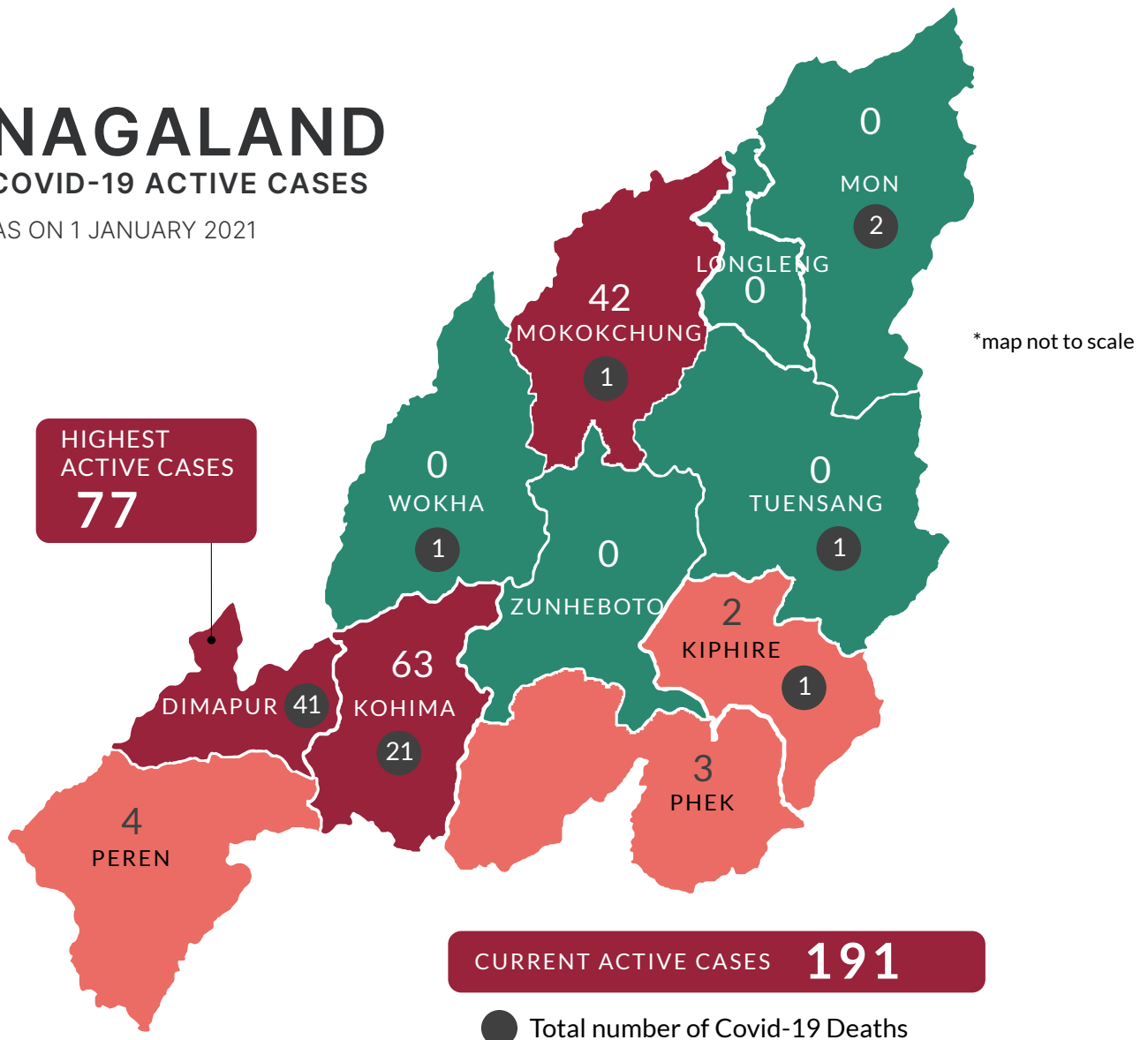
DISTRICT DISTRIBUTION OF ACTIVE CASES AND SAMPLING

District	Total Cases	Active Cases	Deaths	Samples Tested	Tests per thousand population	Positivity Rate
Dimapur	6373	77	41	48066	123	13.3 %
Kohima	3705	63	21	35389	127	10.5 %
Mokokchung	179	42	2	4475	22	4 %
Peren	534	4	0	5863	60	9.1 %
Phek	48	3	0	2873	17	1.7 %
Kiphire	44	2	1	1097	14	4 %
Longleng	18	0	0	1197	23	1.5 %
Mon	603	0	2	12664	49	4.8 %
Tuensang	244	0	1	5128	25	4.8 %
Wokha	39	0	1	1506	9	2.6 %
Zunheboto	142	0	0	2139	15	6.6 %
Nagaland	11929	191	69	120397	59	9.9 %

NAGALAND

COVID-19 ACTIVE CASES

AS ON 1 JANUARY 2021



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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 Coronaga



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