

Situation Update #130 - Coronavirus Disease 2019 (COVID-19)

WHO Country Office for Nepal

Reporting Date: 3 - 9 October 2022 (EPI Week 40)

HIGHLIGHTS

(Data published in the MoHP Situation Report as of 09 October 2022 and same data published in EDCD Report as of 10 October 2022)

- Of the total RT-PCR confirmed COVID-19 cases, 98.7% (987,298) of cases have recovered, 0.1% (570) are active cases and 1.2% (12,018) are deaths.
- Among the new RT-PCR confirmed cases (97) reported this week, 45.4% (44) are from Kathmandu district followed by Chitwan district 17.5% (17). Majority of the new cases 59.8% (58) have been reported from Kathmandu Valley (Kathmandu, Lalitpur and Bhaktapur), Bagmati Province.

COVID-19 vaccination coverage status (as of 10 October 2022)

Covi-AstraZeneca		Vero Cell		Janssen		Pfizer		Moderna	
First dose	5,560,795	First dose	10,378,670	Single dose	3,524,394	First dose	4,557,658	First dose	3,224,237
Second dose	4,813,228	Second dose	9,250,366			Second dose	2,483,693	Second dose	2,823,081

SITUATION OVERVIEW

(Data as of 09 October 2022)

NEPAL

Cumulative confirmed cases

RT-PCR: 999,886

Antigen RDT: 152,074

Cumulative deaths: 12,018

Cumulative tests

RT-PCR: 5,942,781

Antigen RDT: 1,425,570

SOUTH-EAST ASIA REGION

Cumulative cases (%)

60,339,540 (10%)

Cumulative deaths (%)

797,934 (12%)

GLOBAL

Cumulative cases (%)

618,507,182 (100%)

Cumulative deaths (%)

6,535,944 (100%)

NEPAL EPIDEMIOLOGICAL SITUATION

- Since 9 May 2021, all 7 provinces in the country are experiencing community transmission.
- Since the start of the COVID-19 pandemic, (781,802/999,886) of RT-PCR confirmed cases were reported from three provinces, namely- Province 1, Bagmati Province and Lumbini Province. The Kathmandu valley area (Kathmandu, Bhaktapur, Lalitpur) in Bagmati Province has substantially high case load with 44.1% of national total (441,136/999,886), and 81.4% of the provincial total (441,136/541,905).
- Province-wise RT-PCR test positivity rate in Epi Week 40 ranged from 0.0% (Gandaki and Lumbini province) to 10.7% (Province 1), with a national positivity rate at 2.6%. Madhesh, Karnali and Sudurpashchim province did not report any RT-PCR test performed in the last week.
- Nepal reported a 55% decrease in the number of new RT-PCR confirmed cases (n=97) in Epi week 40 compared to that in the previous week. Of these total cases reported last week, 91% of the cases have been reported from Province 1, Bagmati, and Lumbini province.
- Nepal did not report any death in Epi week 40, 100% decrease compared to that in the previous week.

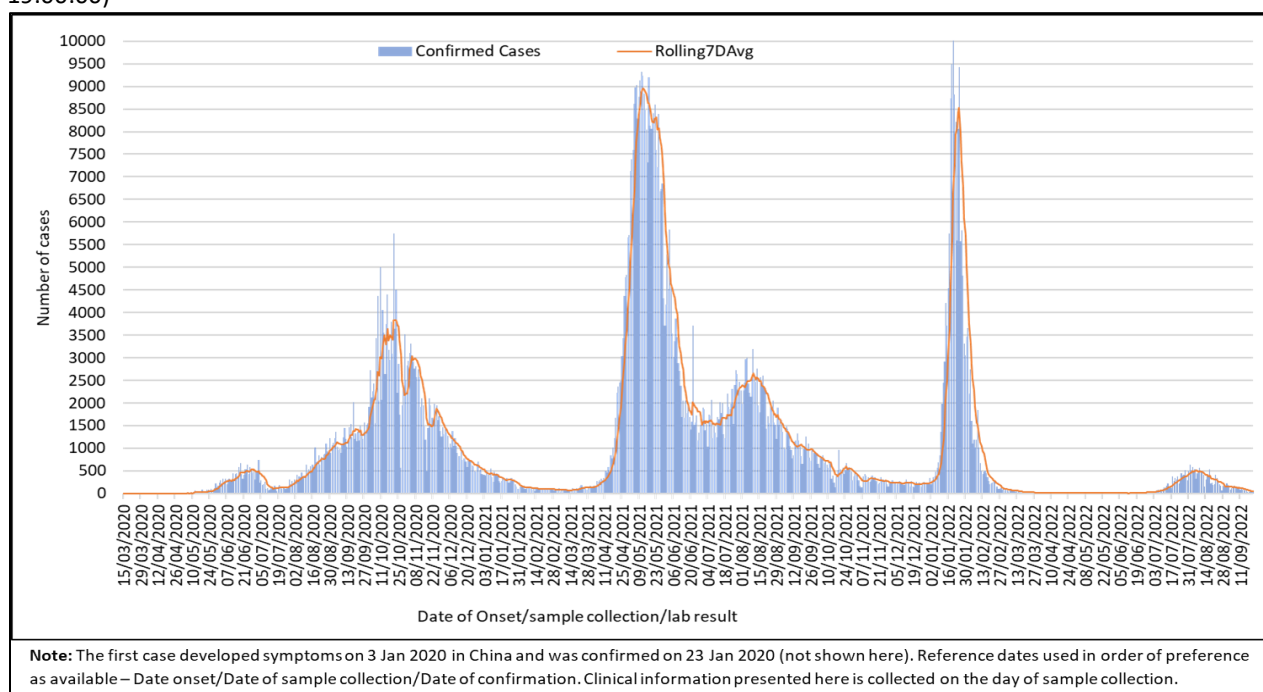
National Influenza Surveillance

- From 3 January 2022 until 10 October 2022
 - A total of 567 samples have been tested positive for Influenza (2 Influenza B, 262 Influenza A/H3,296 Influenza A(H1N1pdm09), and 7 Influenza A (subtyping to be done) from 5,923 samples (sentinel and non-sentinel samples including SARS-CoV-2 Negative SARI and ILI cases).
 - Similarly, 328 samples have tested positive for SARS-CoV-2 from 2,074 Influenza Negative samples (sentinel/non-sentinel ILI/SARI samples).¹

WHO SEAR countries: Number of COVID-19 confirmed cases and cumulative incidence rate (per 100,000). Link Here- <https://worldhealthorg.shinyapps.io/covid/>

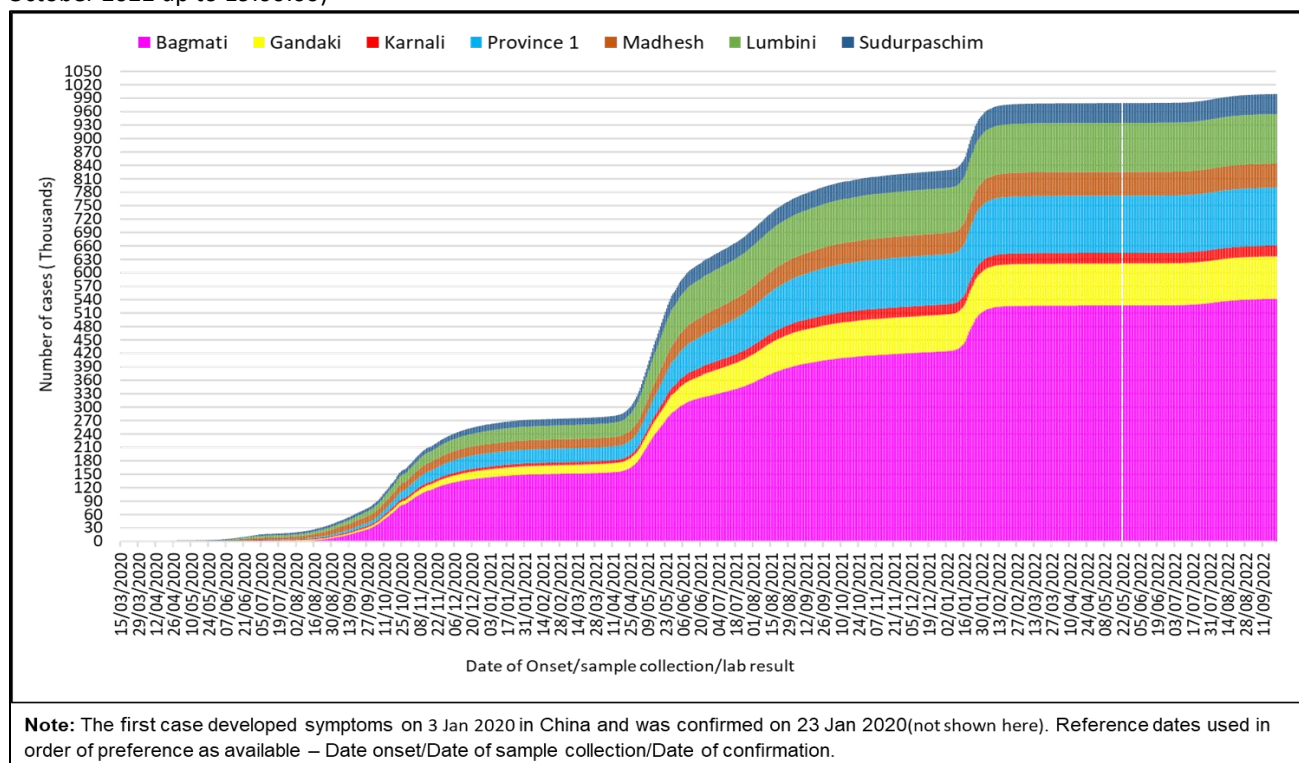
¹ These positive cases are included in the COVID-19 database

Figure 1: RT-PCR confirmed COVID-19 cases and average number of COVID-19 cases over the last seven days, by date of onset/sample/confirmation (N= 999,886)(Data reported on 09 October 2022 up to 19:00:00)



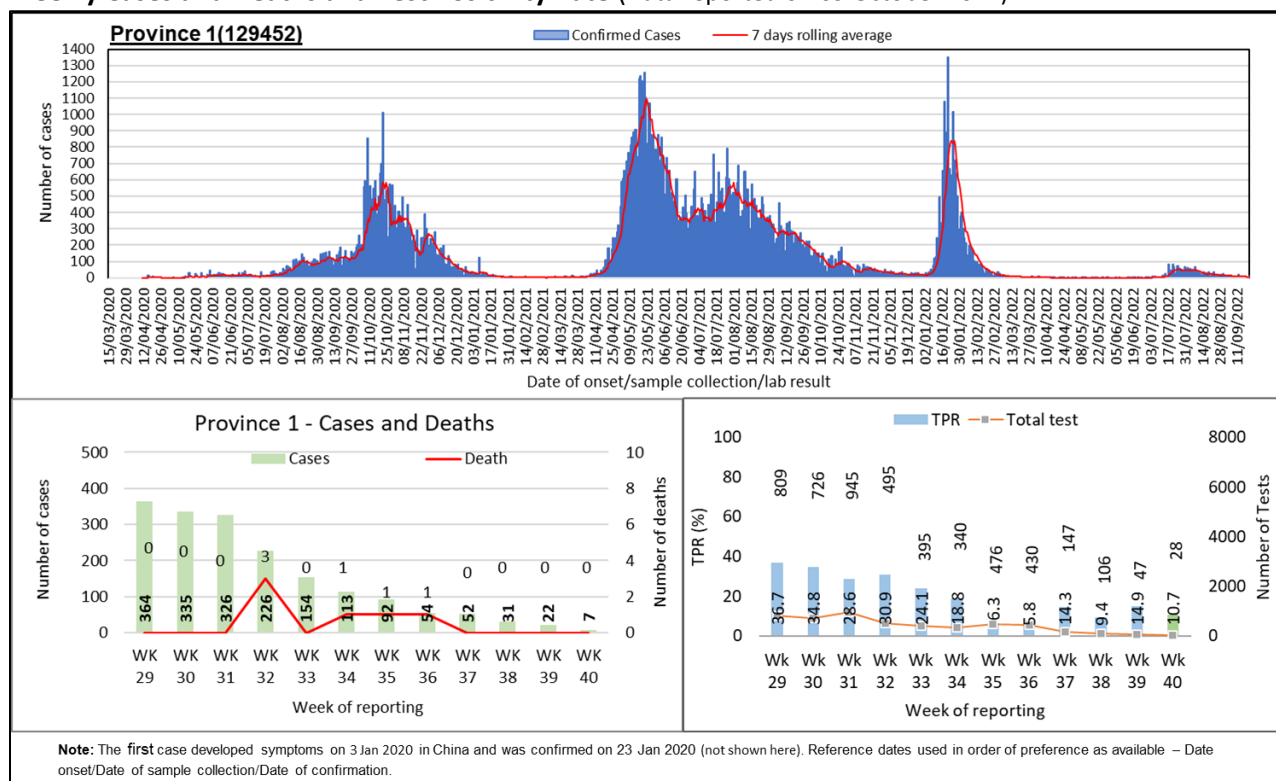
At national level, the first wave of cases between July 2020 and February 2021 was followed by the second wave from the middle of March 2021. Since the middle of December 2021, a third wave of cases soared up exceeding the highest number of single day cases reported in the past surges towards the end of January 2022. Since the middle of May 2022, cases were steadily rising in an increasing trend, however the trend is continuously declining now.

Figure 2: Cumulative case count of RT-PCR confirmed COVID-19 cases (N= 999,886)(Data reported on 09 October 2022 up to 19:00:00)



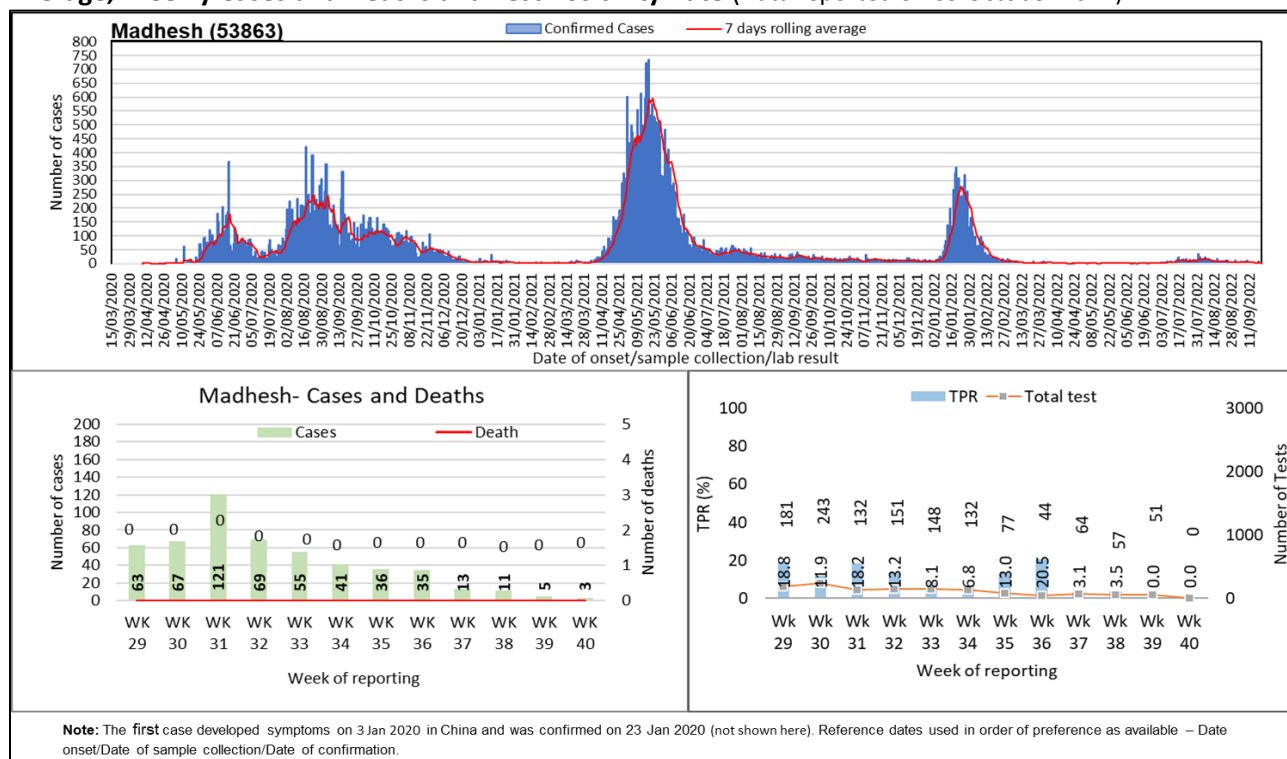
The cumulative case incidence has been increasing in Nepal since the first case confirmed on 23 January 2020. Cases have been largely reported from Bagmati Province followed by Province 1 and Lumbini Province.

Figure 3A1: RT- PCR confirmed COVID-19 cases in Province 1: Trend of Cases, 7 days Rolling Average, Weekly Cases and Deaths and Test Positivity Rate (Data reported on 09 October 2022)



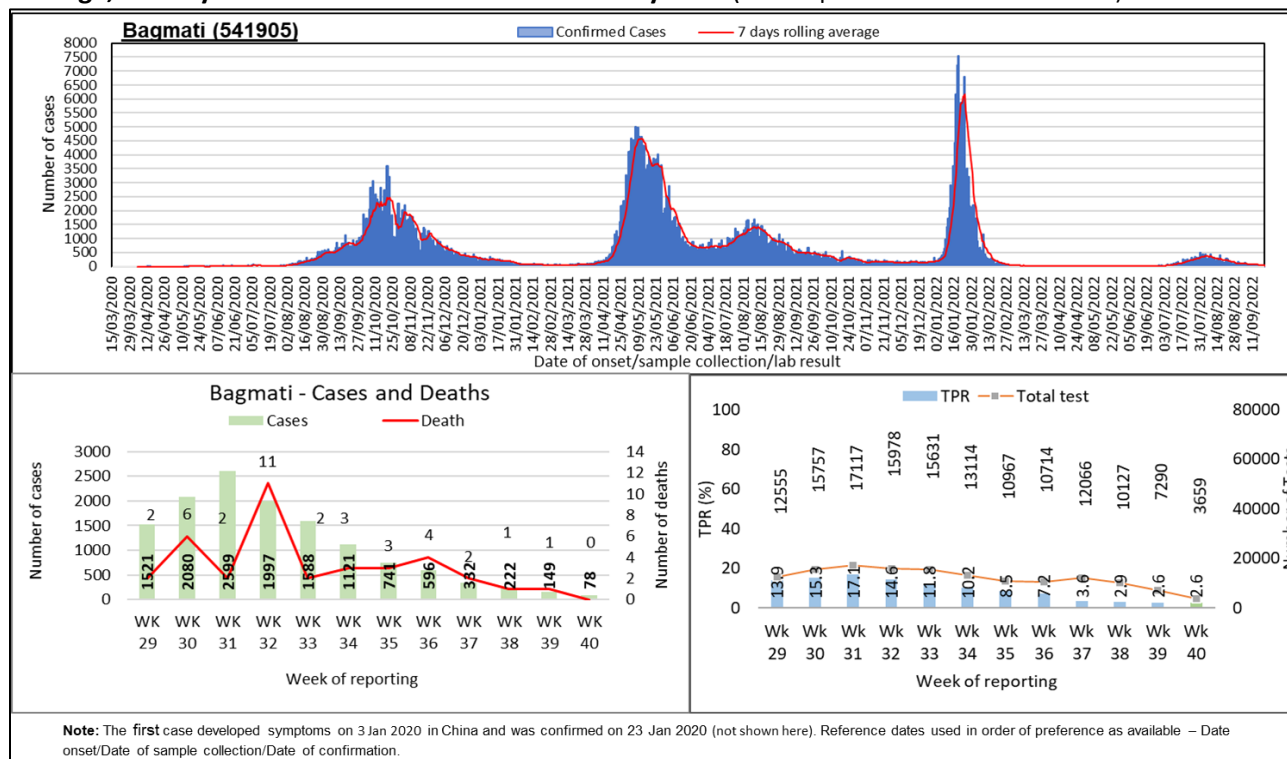
There were 7 new cases reported in the past week in Province 1. Cases have decreased by 68% in the past week compared to the previous week. There was no death reported in the past week, same as that in the previous week. The test positivity rate in Province 1 decreased to 10.7% in the past week. A total of 28 tests were performed in the past week, 40% less than that in the previous week.

Figure 3A2: RT- PCR confirmed COVID-19 cases in Madhesh Province: Trend of Cases, 7 days Rolling Average, Weekly Cases and Deaths and Test Positivity Rate (Data reported on 09 October 2022)



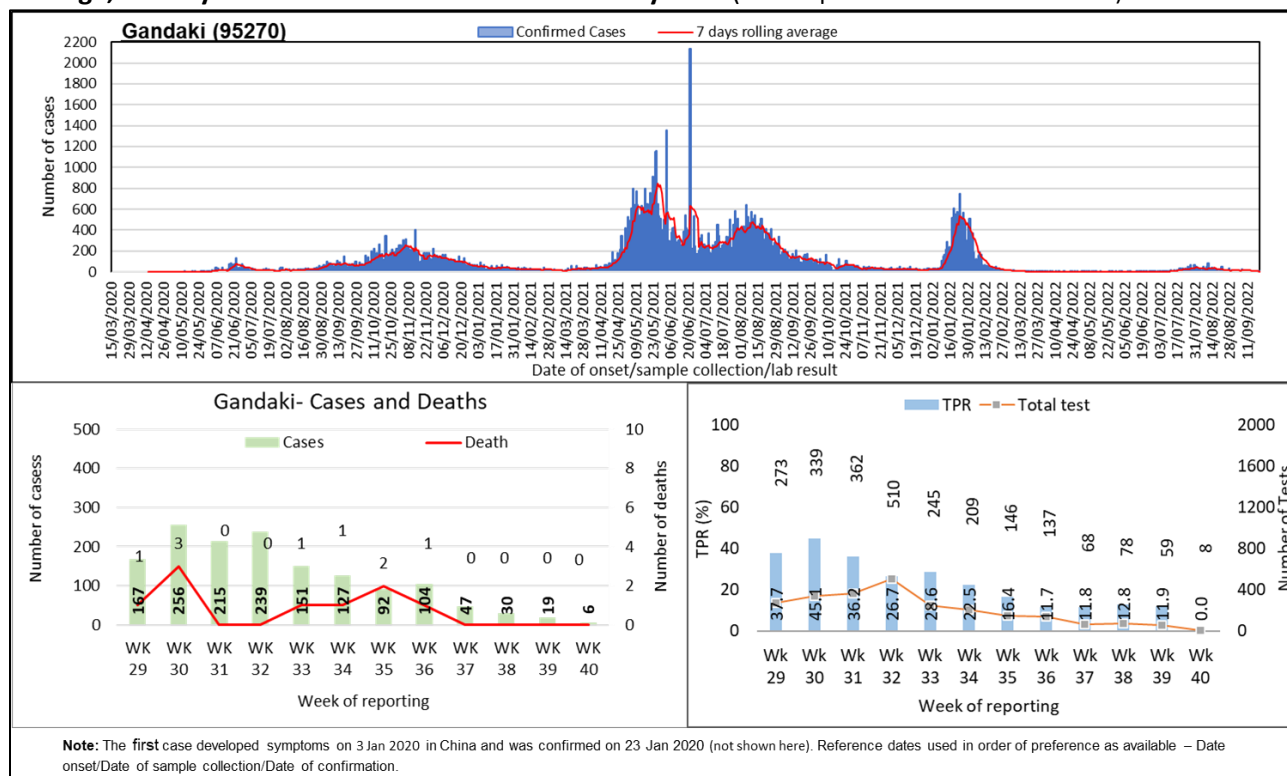
There were 3 new cases reported in the past week in Madhesh province. Cases have decreased by 40% in the past week compared to the previous week. There was no death reported in the past week, same as that in the previous week. There was no test performed reported in the past week.

Figure 3A3: RT- PCR confirmed COVID-19 cases in Bagmati Province: Trend of Cases, 7 days Rolling Average, Weekly Cases and Deaths and Test Positivity Rate (Data reported on 09 October 2022)



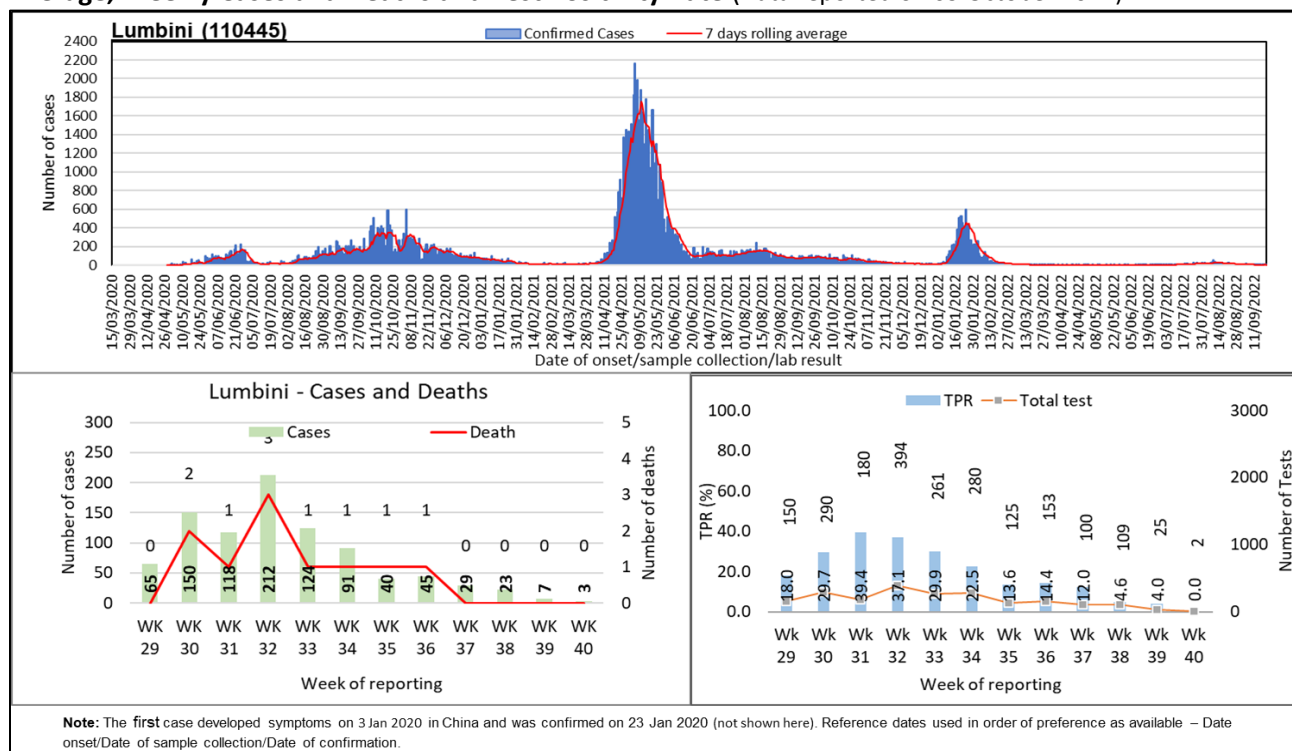
In Bagmati, 78 new cases were reported in the past week. Cases have decreased by 48% in the past week compared to the previous week. There was no death reported in the past week, same as that in the previous week. The test positivity rate in Bagmati remained stable at 2.6% in the past week. A total of 3659 tests were performed in the past week, 50% less than that in the previous week.

Figure 3A4: RT- PCR confirmed COVID-19 cases in Gandaki Province: Trend of Cases, 7 days Rolling Average, Weekly Cases and Deaths and Test Positivity Rate (Data reported on 09 October 2022)



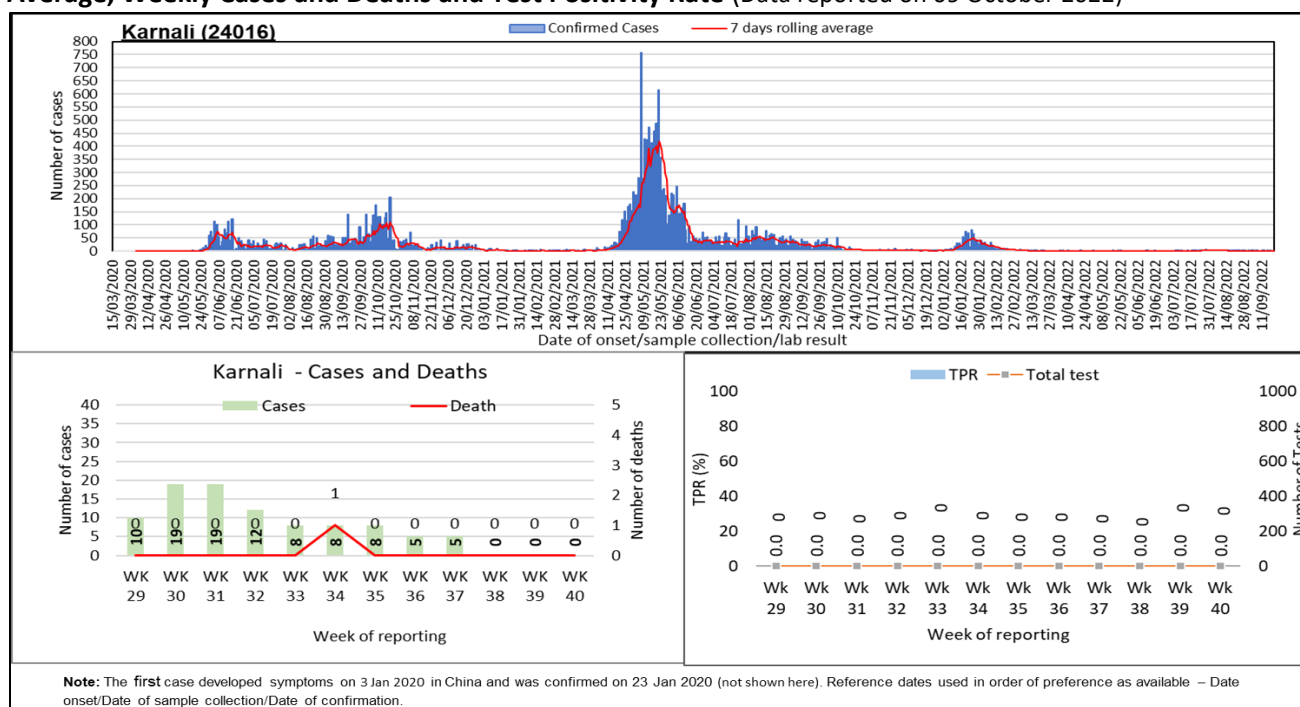
In Gandaki, 6 new cases were reported in the past week. Cases have decreased by 68% in the past week compared to the previous week. There was no death reported in the past week, same as that in the previous week. The test positivity rate in Gandaki decreased to 0.0% in the past week. A total of 8 tests were performed in the past week, 86% less than that in the previous week.

Figure 3A5: RT- PCR confirmed COVID-19 cases in Lumbini Province: Trend of Cases, 7 days Rolling Average, Weekly Cases and Deaths and Test Positivity Rate (Data reported on 09 October 2022)



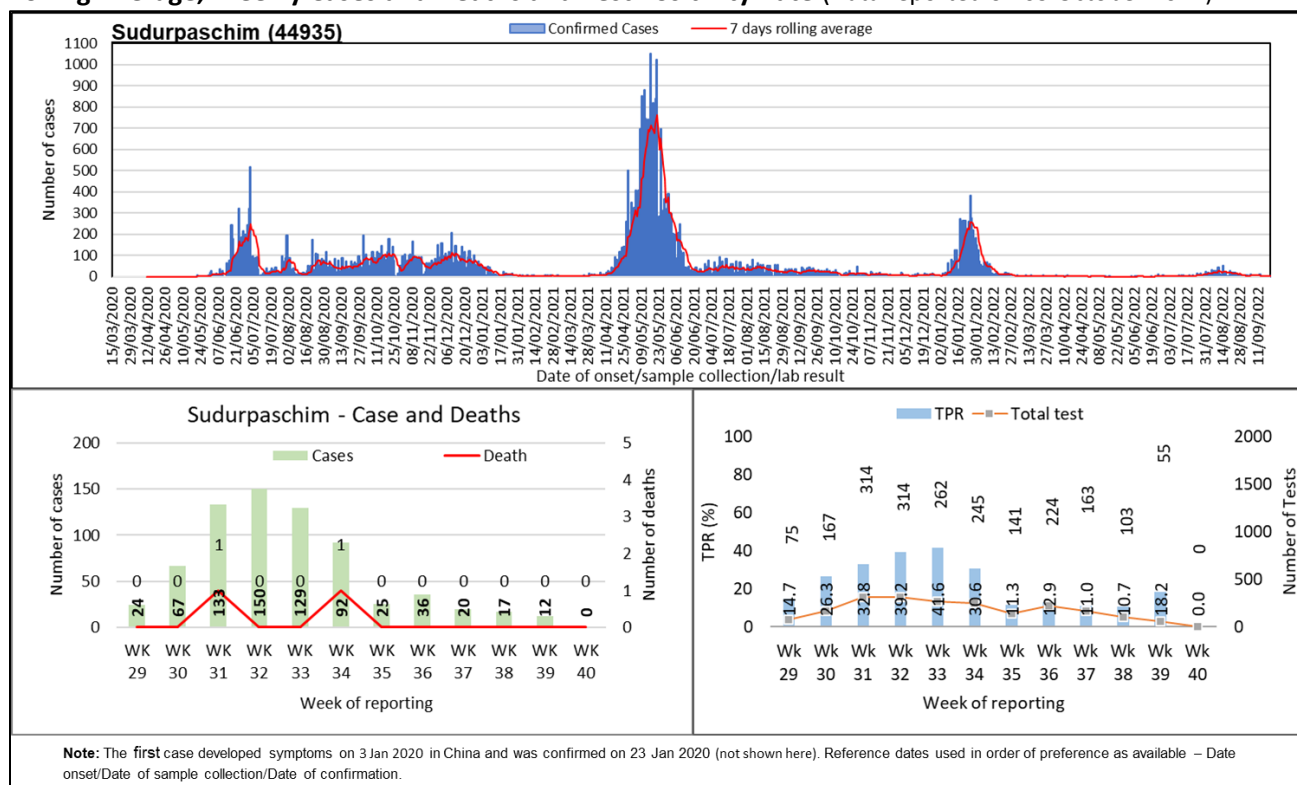
Lumbini reported 3 new cases in the past week. Cases have decreased by 57% in the past week compared to the previous week. There was no death reported in the past week, same as that in the previous week. The test positivity rate in Lumbini decreased to 0.0% in the past week. A total of 2 tests were performed in the past week, 92% less than that in the previous week.

Figure 3A6: RT- PCR confirmed COVID-19 cases in Karnali Province: Trend of Cases, 7 days Rolling Average, Weekly Cases and Deaths and Test Positivity Rate (Data reported on 09 October 2022)



In Karnali, no new case was reported in the past week same as in the previous week. There was no death reported in the past week, same as that in the previous week. There was no test performed reported in the past week.

Figure 3A7: RT- PCR confirmed COVID-19 cases in Sudurpashchim Province: Trend of Cases, 7 days Rolling Average, Weekly Cases and Deaths and Test Positivity Rate (Data reported on 09 October 2022)



In Sudurpaschim, no new case was reported in the past week. Cases have decreased by 100% in the past week compared to the previous week. There was no death reported in the past week, same as that in the previous week. There was no test performed reported in the past week.

Table 1: Summary of confirmed COVID-19 cases, deaths and transmission by provinces (Data reported on 09 October 2022 up to 19:00:00)

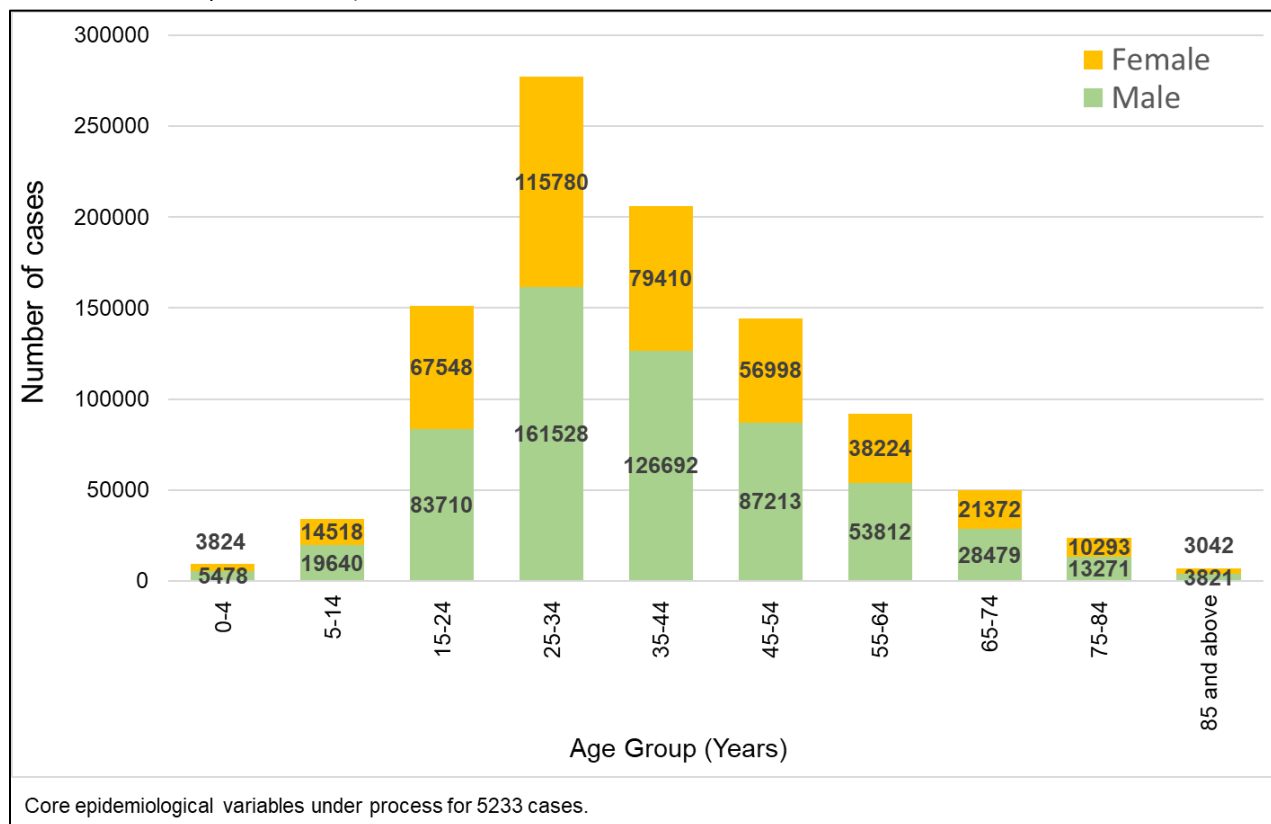
Reporting Province	Total confirmed cumulative cases RT-PCR Tests	Total Confirmed cumulative cases Antigen RDT test	Total confirmed cumulative cases	% of total confirmed cumulative cases	Total cumulative deaths	Transmission classification	Total confirmed cases in last 14 days Antigen RDT test	Total confirmed cases in last 14 days RT-PCR test	Total confirmed cases in last 14 days	% of total confirmed cumulative cases in last 14 days	Total Deaths in last 14 days
Province 1	129452	30322	159774	14.1	1722	Community transmission	0	29	29	7.8	0
Madhesh	53863	1178	55041	4.9	783	Community transmission	0	8	8	2.2	0
Bagmati	541905	32710	574615	50.9	5201	Community transmission	37	227	264	71.2	1
Gandaki	95270	24652	119922	10.6	1428	Community transmission	14	25	39	10.5	0
Lumbini	110445	28114	138559	12.3	1874	Community transmission	8	10	18	4.9	0
Karnali	24016	6325	30341	2.7	492	Community transmission	1	0	1	0.3	0
Sudurpashchim	44935	6139	51074	4.5	518	Community transmission	0	12	12	3.2	0
National Total	999886	129440*	1129326	100	12018	Community transmission	60	311	371	100	1

**Total reported in Health Emergency Operation Center (HEOC) Sitrep as of 09 October 2022, 152074 but IMU reported 129440*

Notes:

1. The source for case data used in this update is from RT-PCR test positivity reported by laboratories from various locations across Nepal, as shared by HEOC Sitrep; and IMU/IHIMS.
2. Case data is screened and cleaned by our data team for double entry, wrong entry and manual errors such as cities name in place of districts, district name in place of province etc.
3. Whereas the test positivity rate is calculated based on the test positivity reported in Sitrep for RT-PCR which may or may not be scrutinized or cleaned the same way and mark the cases on location of the laboratories rather than their place of residence.

Figure 4: Distribution of RT-PCR positive COVID-19 cases by age and sex (N= 994,653)(Data reported on 09 October 2022 up to 19:00:00)



Overall, the sex-distribution remains skewed towards males. The incidence of cases is higher in the economically productive age group (15-54 years) for both males and females.

Table 2: Age Specific Case Fatality Ratio and Co-morbidity of Deaths in RT-PCR confirmed COVID-19 cases (N= 999,886)(Data reported on 09 October 2022 up to 19:00:00)

Age Group (Years)	Total confirmed cases	Death (male)	Death (female)	Deaths with any known comorbid condition	Age specific case fatality ratio (%)
0-4	9302	16	23	13	0.42
5-14	34158	13	7	10	0.06
15-24	151258	92	96	70	0.12
25-34	277308	387	265	151	0.24
35-44	206102	875	452	281	0.64
45-54	144211	1396	645	574	1.42
55-64	92036	1690	803	782	2.71
65-74	49851	1640	893	957	5.08
75-84	23564	1228	658	772	8
85+	6863	524	289	279	11.85
Unknown	5233	19	7	11	0.5
National	999886	7880	4138	3900	1.20
$\text{Case Fatality ratio (CFR, in\%)} = \frac{\text{Number of deaths from disease}}{\text{Number of confirmed cases of disease}} \times 100$ <p>COVID-19 positive lab result is temporally associated with death; causal association under investigation</p>					

A total of 12,018 deaths have been reported. Out of the total deaths, 7,880 (65.6%) were male and 4,138 (34.4%) were female. Amongst the deaths, 3,900 persons (32.5%) had at least one known comorbidity. The age specific case fatality ratio (CFR) progressively increases with age, ranging from 0.06% to 11.9%.

PREPAREDNESS AND RESPONSE

What are the Government of Nepal (GoN) & the Ministry of Health & Population (MoHP) doing?

- Nepal reached the landmark of administering more than 50 million COVID-19 vaccine doses on 13 August 2022.

What is the WHO Country Office for Nepal doing?

Laboratory Diagnosis

- WHO Nepal has been providing technical support to the National Public Health Laboratory (NPHL) in following activities:
 - Uploading the result of genome sequencing of 48 SARS-CoV-2 samples in GISAID platform.
 - Monitoring the quality standard of designated COVID-19 laboratories in the country through the National Quality Assurance Programme (NQAP) A total of 13 designated laboratories participated in the NQAP this week. The result of all 13 participating laboratories showed 100%
 - Standardization of Molbiol PCR kit for Monkeypox diagnosis

Technical Expertise and Training

- Continued routine work from the team of Technical Expertise and Training²

Operational Support and Logistics

- Continued routine work from the team of Operation Support and Logistics³.

Risk Communication and Community Engagement

- On the occasion of Dashain, relevant IEC materials were shared highlighting COVID-19 preventive measures and healthy practices to follow during the holidays and festivals.
- IEC materials on the following topics were shared via WHO, Country Office for Nepal, social media:
 - I. Mental health and COVID-19,
 - II. Physical activity and COVID-19,
 - III. Dengue and COVID-19,
 - IV. The importance of following COVID-19 preventive measures.
- The following documents were uploaded on *ReliefWeb* (link [here](#)):
 - I. *Weekly COVID-19 EPI Dashboard*,
 - II. *Focused COVID-19 and Health Media Monitoring*, and
 - III. *Weekly WHO Nepal COVID-19 Situation Update*.
- WHO and MoHP press briefings on COVID-19 are being shared via Facebook and Twitter.
- Continued support to NHEICC in running a month-long radio campaign on dengue which began on 21 September 2022.

What are the health clusters partners doing?

- Continued routine work from the team of Partner Coordination and Donor Relation⁴
- UNICEF and WHO are providing overall support for COVID-19 vaccination campaign in close coordination with health partners and donors.
- All members of the Health Cluster are supporting the COVID-19 vaccination campaign of Nepal.

² The routine works of the technical expertise and training team included technical support to the Ministry of Health and Population and its department for developing different guidelines/manuals, conducting health programs, and conducting capacity building activities. To perform these activities, the team coordinates and discuss with relevant government authorities and partners for effective planning and conducting the various activities.

³ The routine works of the operation support and logistics team included technical support to the Management Division of the Department of Health Services for the forecasting, quantification, procurement, and distribution plan of COVID-19 commodities. The other routine activities included daily operational support to the WHO country office and seven provincial health emergency operation centers, including fleet and travel management and the procurement of required logistics and supplies.

⁴ The routine works include coordinating with all the divisions, units, centers of Ministry of Health and Population (MoHP) and Department of Health Services (DoHS), and the health partners for effective conduction of Health Cluster Coordination meeting. Furthermore, the works included the documentation and distribution of meeting minutes, health partner's support updates in the 3Ws (Who, What, Where) and thematic mapping, updates of WHO's support in the UNRCO 3W sheet, participate in multi-sectoral and emergency and disaster preparedness and response platforms and activities and the humanitarian country team operational meetings. Moreover, necessary support for effective coordination of Health Emergency Operation Centre (HEOC) with different stakeholders is provided.

- Health partners are continuing their technical, operational, and logistics support for COVID-19 responses to health-related offices and institutions throughout the country.
- COVID-19 consultation is being provided continuously by specialist teams through tele-medicine services.

WHO's STRATEGIC OBJECTIVES FOR COVID-19 RESPONSE- [link here](#)

RECOMMENDATION AND ADVICE FOR THE PUBLIC

- [Protect yourself](#)
- [Questions and answers](#)
- [Travel advice](#)
- [EPI-WIN](#): tailored information for individuals, organizations and communities

USEFUL LINKS

- MoHP COVID-19 official portal is available [here](#).
- Nepal COVID-19 regular updates and resources are available [here](#)
- For COVID-19 updates from the WHO South-East Asia Region Office, please visit [here](#).
- For information about coronavirus disease (COVID-19) Pandemic from WHO, please visit [here](#)
- Please visit this [site](#) for all technical guidance from WHO.
- Online courses on COVID-19 from WHO can be found [here](#)
- WHO Coronavirus (COVID-19) Dashboard can be found [here](#)
- Visit the WHO Nepal [Facebook page](#) and webpage on COVID-19 [here](#)

CONTACT DETAILS

WHO Representative

Dr. Rajesh Sambhajirao Pandav
WHO Representative to the
Government of Nepal
Email: pandavr@who.int

WHO Incident Manager/ Health Cluster Co-lead

Dr. Allison Gocotano
Team Leader - WHO Health
Emergencies Program (WHE)
WHO Country Office for Nepal
Email: gocotanoa@who.int

Communication/Media Focal Point

Ms. Tsering Dolkar Gurung
Media, Communication and Public
Information Officer
WHO Country Office for Nepal
Email: gurungt@who.int