# EPIDEMIOLOGICAL SITUATION COVID-19, Nepal

## 6 Aug 2020

Ministry of Health & Population
Department of Health Services
**Epidemiology & Disease Control Division (EDCD)**
Teku, Kathmandu
**Developed with technical assistance from World Health Organization, Nepal**

# This update is based in 21388 cases and 59 deaths.

- Total district affected: 77/77
- Total province affected: 7/7

**Week 20 to wk 32:**

- 7 provinces/77 districts reported cases during this period.
- 21277 confirmed cases, constitutes 99.4% of total confirmed cases
- Deaths from wk 20 to wk 32 : 60 (all deaths)

**In last 14 days**

3396 cases reported in last 14 days, constitutes 15.9% of total confirmed cases.

Districts/Provinces: 71 districts from 7 provinces reported cases.

6 districts did not report any cases in last 14 days, which are Bhojpur, Dolpa, Manang, Mustang, Rukum East, Sankhuwashbha.

**On 5 Aug 2020**

- 381 new cases
- All 7 provinces reported cases

| Province 1 | Province 2 | Bagmati | Gandaki | Province 5 | Karnali | Sudur Paschim |
|---|---|---|---|---|---|---|
| 19 | 225 | 69 | 23 | 23 | 11 | 11 |

Core epidemiological variables under process for some cases and 1 death.

*Note: Week runs from Sunday till Saturday . (based on reported date)*

# Summary of laboratory-confirmed COVID-19 cases, deaths and transmission by province

Transmission classification based on WHO definitions

| Reporting Province | Total confirmed cumulative cases | Total cumulative deaths | Transmission classification* | District affected (total districts) | Date of most recent case# |
|---|---|---|---|---|---|
| Province 1 | 1333 | 3 | Cluster of cases | 14 (14) | 05/08/2020 |
| Province 2 | 1651 | 19 | Cluster of cases | 8 (8) | 05/08/2020 |
| Bagmati | 2037 | 11 | Sporadic cases | 13 (13) | 05/08/2020 |
| Gandaki | 1230 | 5 | Sporadic cases | 11 (11) | 05/08/2020 |
| Province 5 | 5863 | 10 | Cluster of cases | 12 (12) | 05/08/2020 |
| Karnali | 4424 | 4 | Cluster of cases | 10 (10) | 05/08/2020 |
| Sudurpaschhim | 4850 | 7 | Cluster of cases | 9 (9) | 05/08/2020 |
| National Total | 21388 | 59 | Cluster of cases | 77 (77) | 05/08/2020 |

# - Date of last case is the date of onset or date of sample collection or date of lab report based on information available.

*Case classification is based on WHO transmission classification

 **No cases**- provinces with no cases

**Sporadic cases**- provinces with one or more cases, imported or locally detected

**Cluster of cases**- provinces experiencing cases, clustered in time, geographic location and/or by common exposures

**Community transmission**- experiencing larger outbreaks of local transmission defined through an assessment of factors  including, but not limited to:

      - Large numbers of cases not linkable to transmission chains

      - Large numbers of cases from sentinel lab surveillance

      - Multiple unrelated clusters in several areas of the country/territory/area

# Time distribution

# Laboratory confirmed COVID-19 cases and average number of COVID-19 cases over the last seven days, by date of onset/sample/confirmation (N= 21388)
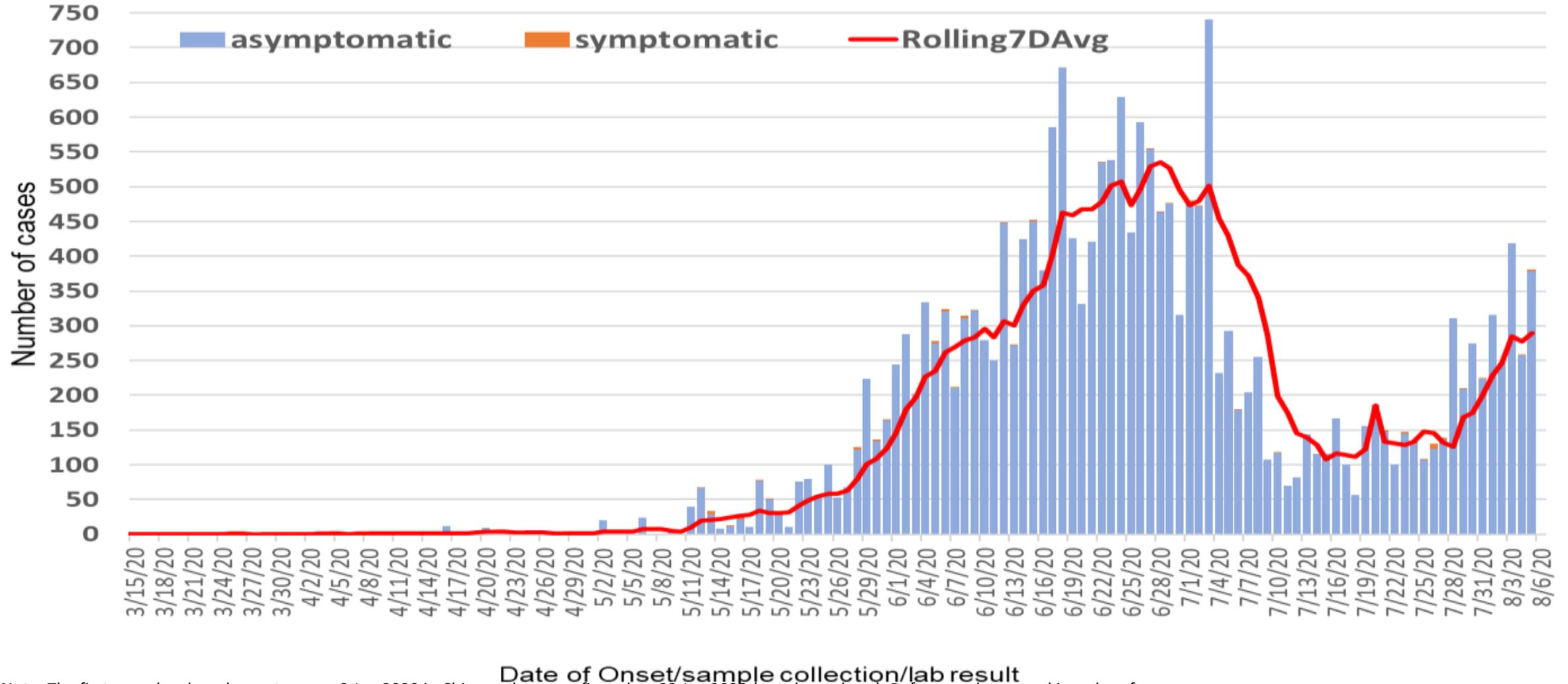


**Note:** The first case developed symptoms on 3 Jan 2020 in China and was confirmed on 23 Jan 2020 (not shown here). Reference dates used in order of preference as available – Date onset/Date of sample collection/Date of confirmation. Clinical information presented here is collected on the day of sample collection.

# Lab confirmed COVID-19 cases and 7-day rolling average of cases by date of onset/sample/confirmation by province – 1 and 2
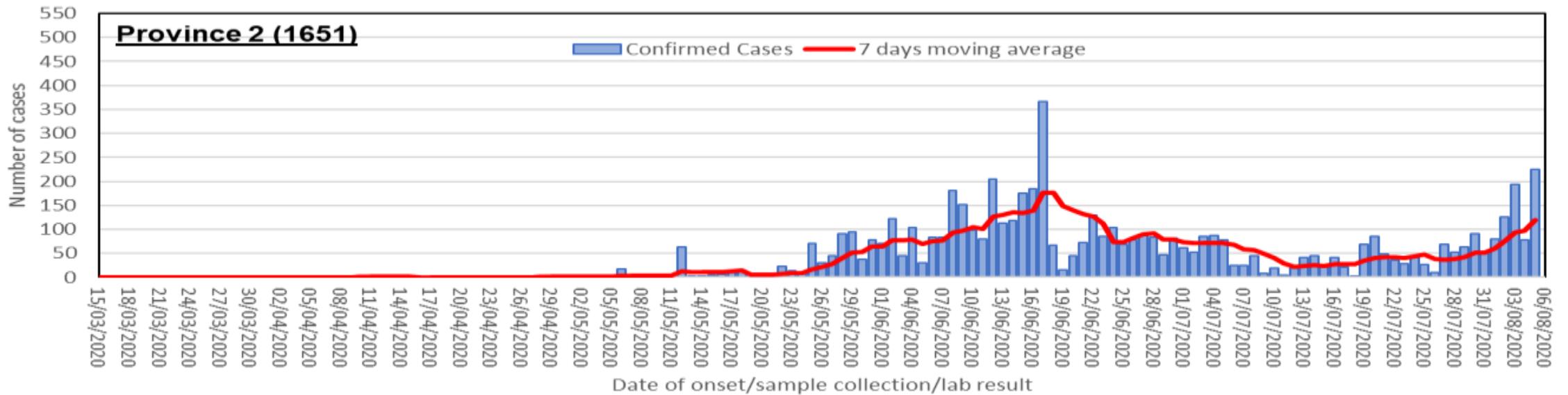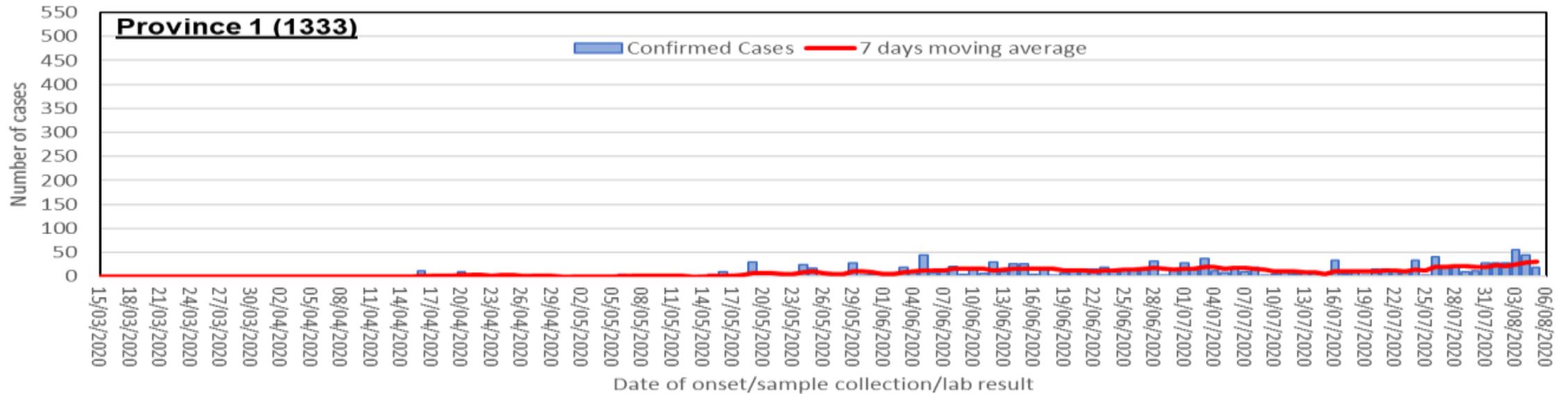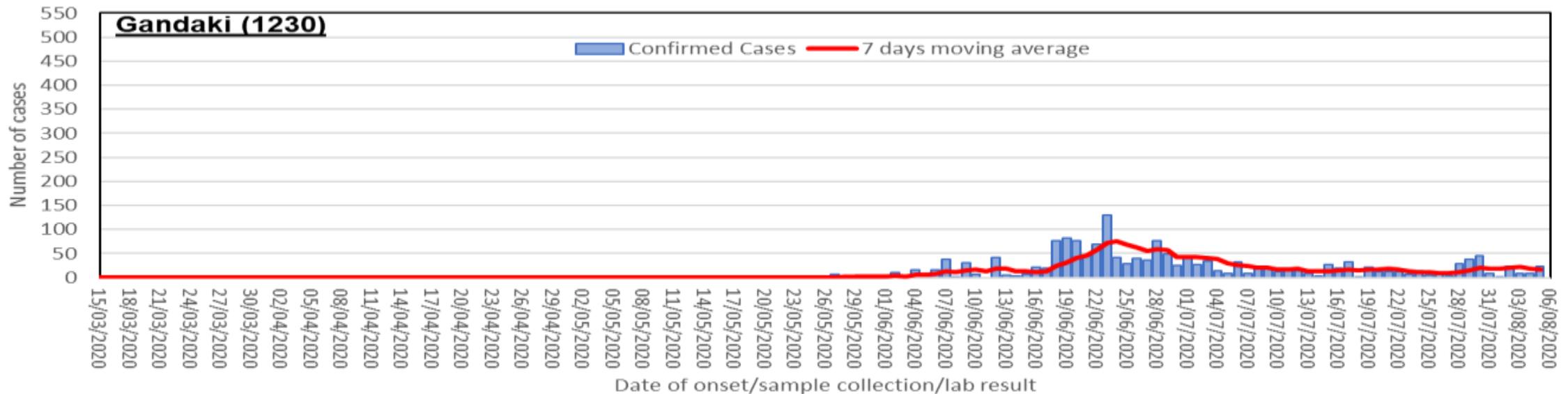


**Note:** The first case developed symptoms on 3 Jan 2020 in China and was confirmed on 23 Jan 2020(not shown here).
Reference dates used in order of preference as available – Date onset/Date of sample collection/Date of confirmation.

# Lab confirmed COVID-19 cases and 7-day rolling average of cases by date of onset/sample/confirmation by province – Bagmati and Gandaki
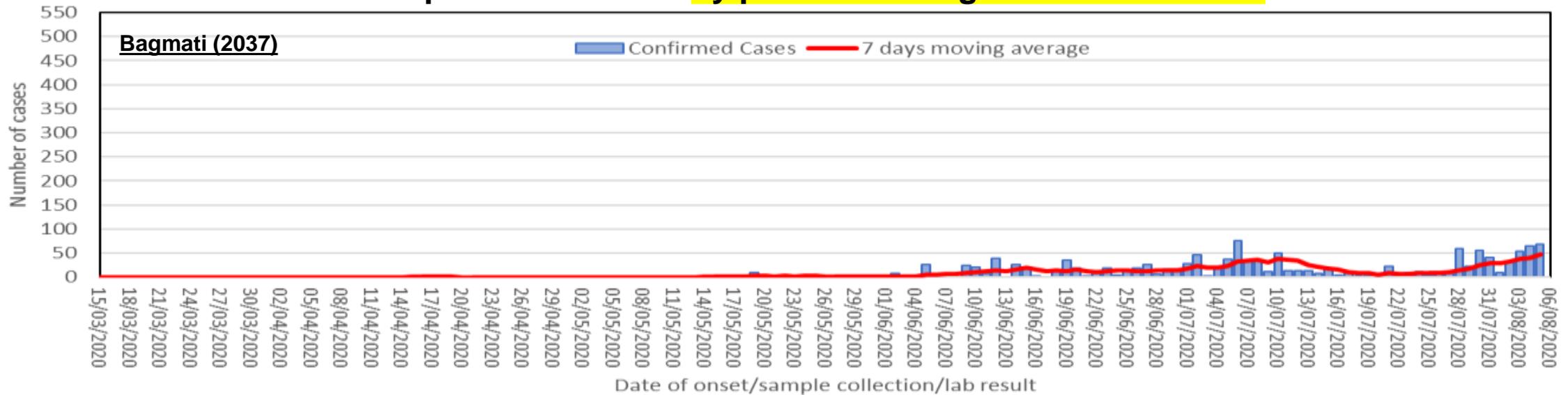


**Bagmati (2037)**

**Gandaki (1230)**

**Note:** The first case developed symptoms on 3 Jan 2020 in China and was confirmed on 23 Jan 2020 (not shown here). Reference dates used in order of preference as available – Date onset/Date of sample collection/Date of confirmation.

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# Lab confirmed COVID-19 cases and 7-day rolling average of cases by date of onset/sample/confirmation ==by province – 5 and Karnali==



**Province 5 (5863)**

Legend: Confirmed Cases — 7 days moving average

Y-axis: Number of cases

X-axis: Date of onset/sample collection/lab result



**Karnali (4424)**

Legend: Confirmed Cases — 7 days moving average

Y-axis: Number of cases
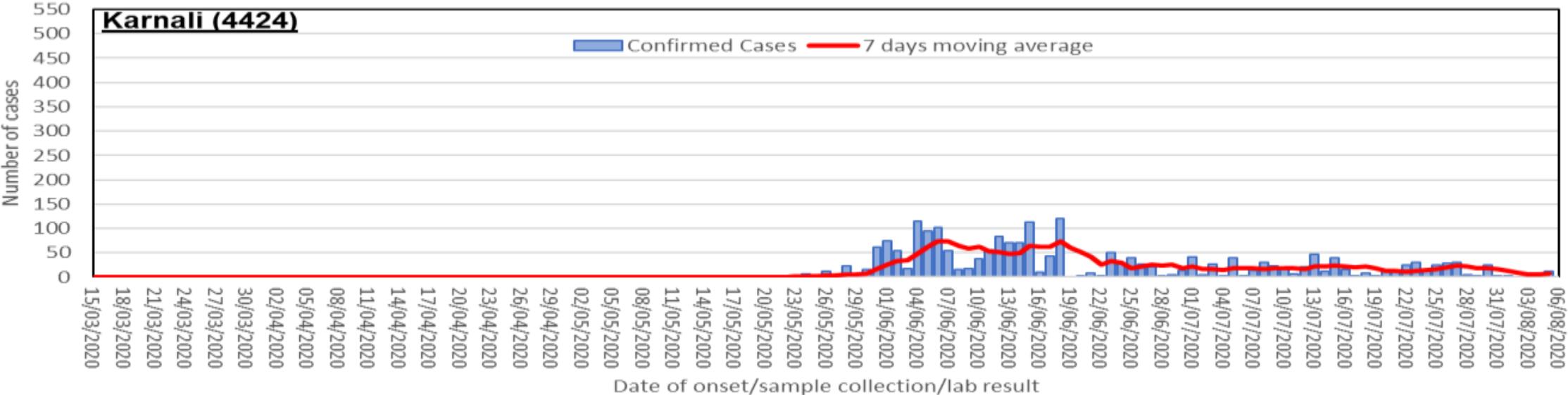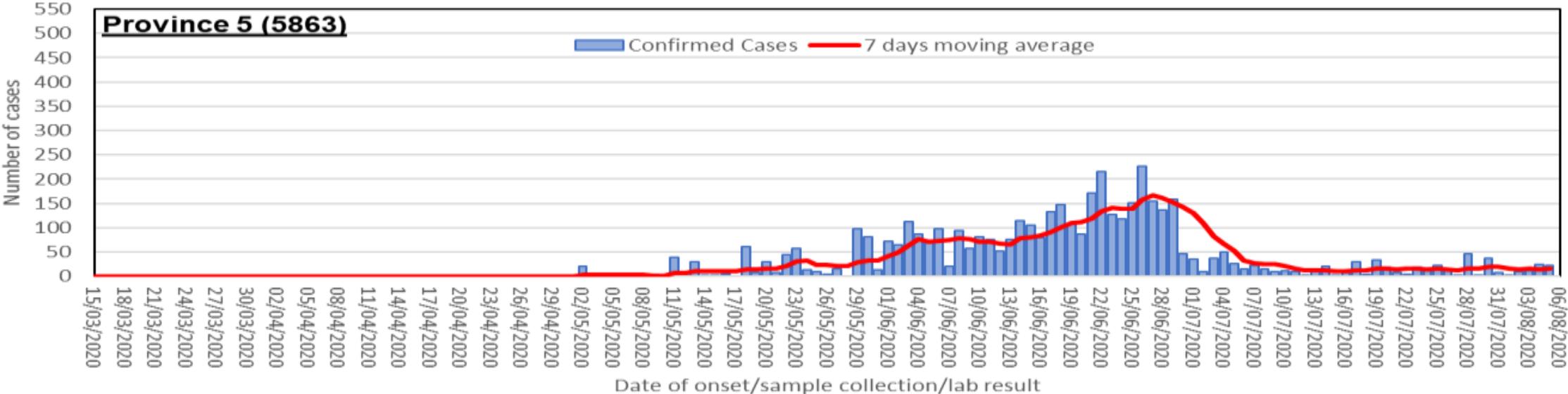
X-axis: Date of onset/sample collection/lab result

**Note:** The first case developed symptoms on 3 Jan 2020 in China and was confirmed on 23 Jan 2020(not shown here). Reference dates used in order of preference as available – Date onset/Date of sample collection/Date of confirmation.

# Lab confirmed COVID-19 cases and 7-day rolling average of cases by date of onset/sample/confirmation by province – Sudur Paschim



**Provinces showing significant increase in 7-day rolling average case incidence: Province-2, Sudur Paschim and Bagmati.**
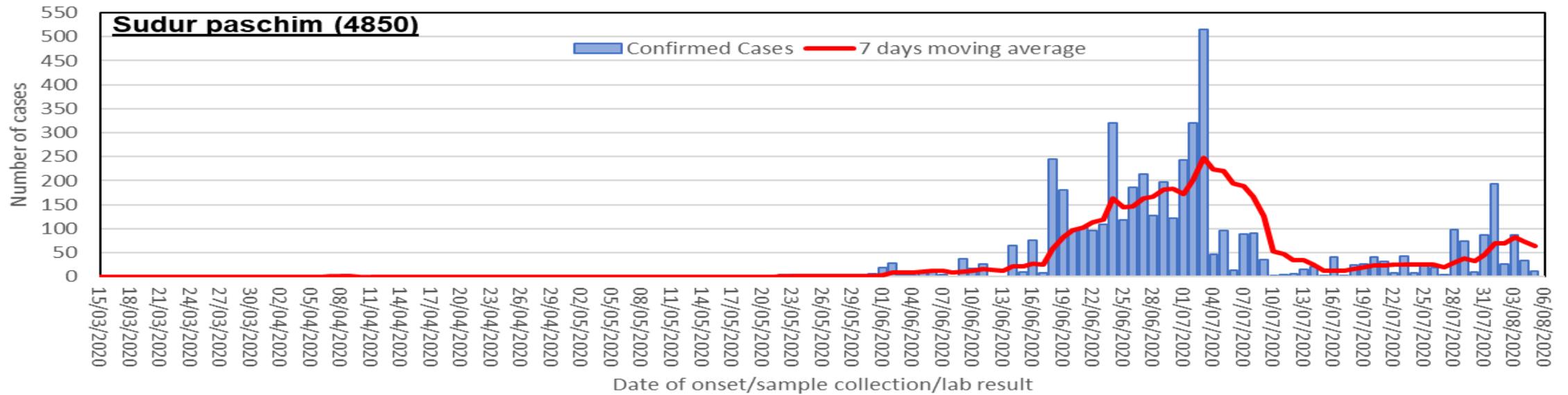
**Note:** The first case developed symptoms on 3 Jan 2020 in China and was confirmed on 23 Jan 2020(not shown here).
Reference dates used in order of preference as available – Date onset/Date of sample collection/Date of confirmation.

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# Cumulative case count of laboratory confirmed COVID-19 cases by province



**Note:** The first case developed symptoms on 3 Jan 2020 in China and was confirmed on 23 Jan 2020(not shown here). Reference dates used in order of preference as available – Date onset/Date of sample collection/Date of confirmation.
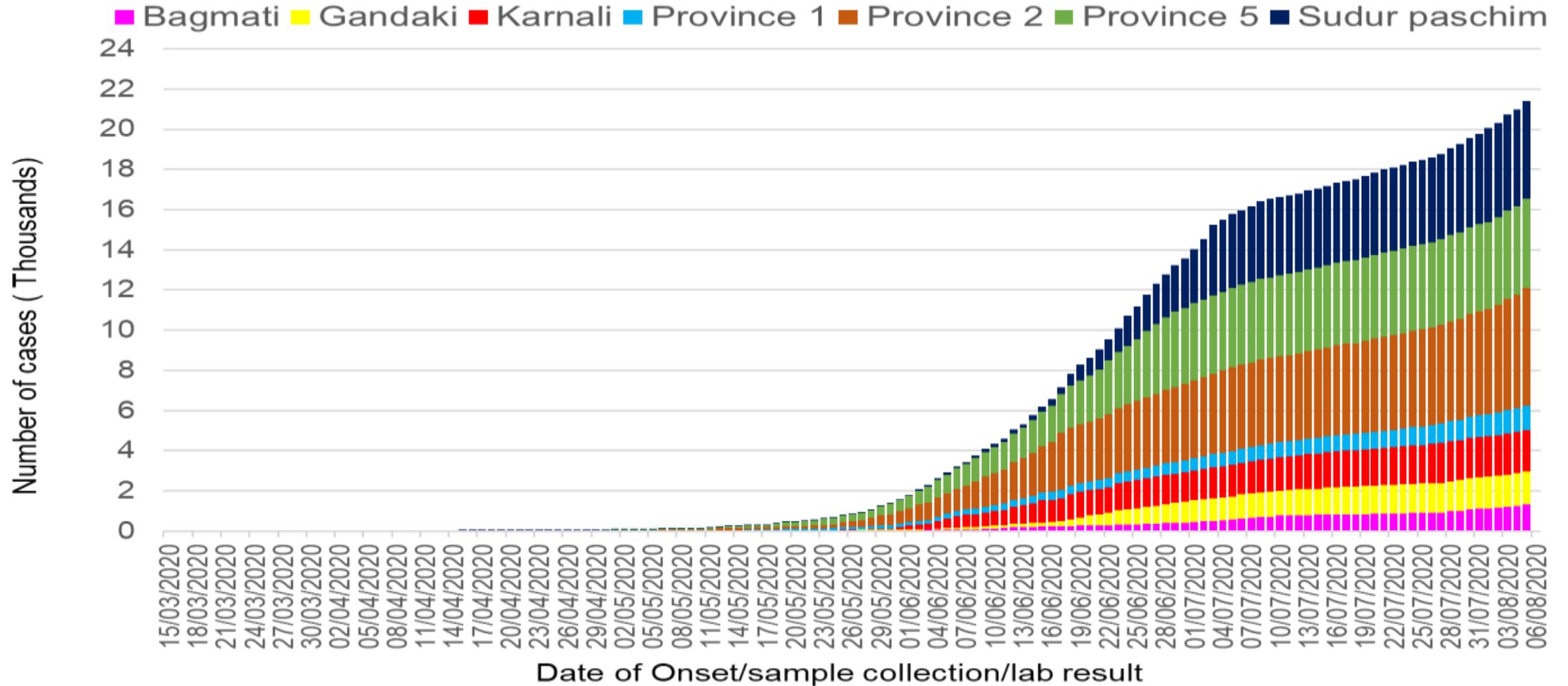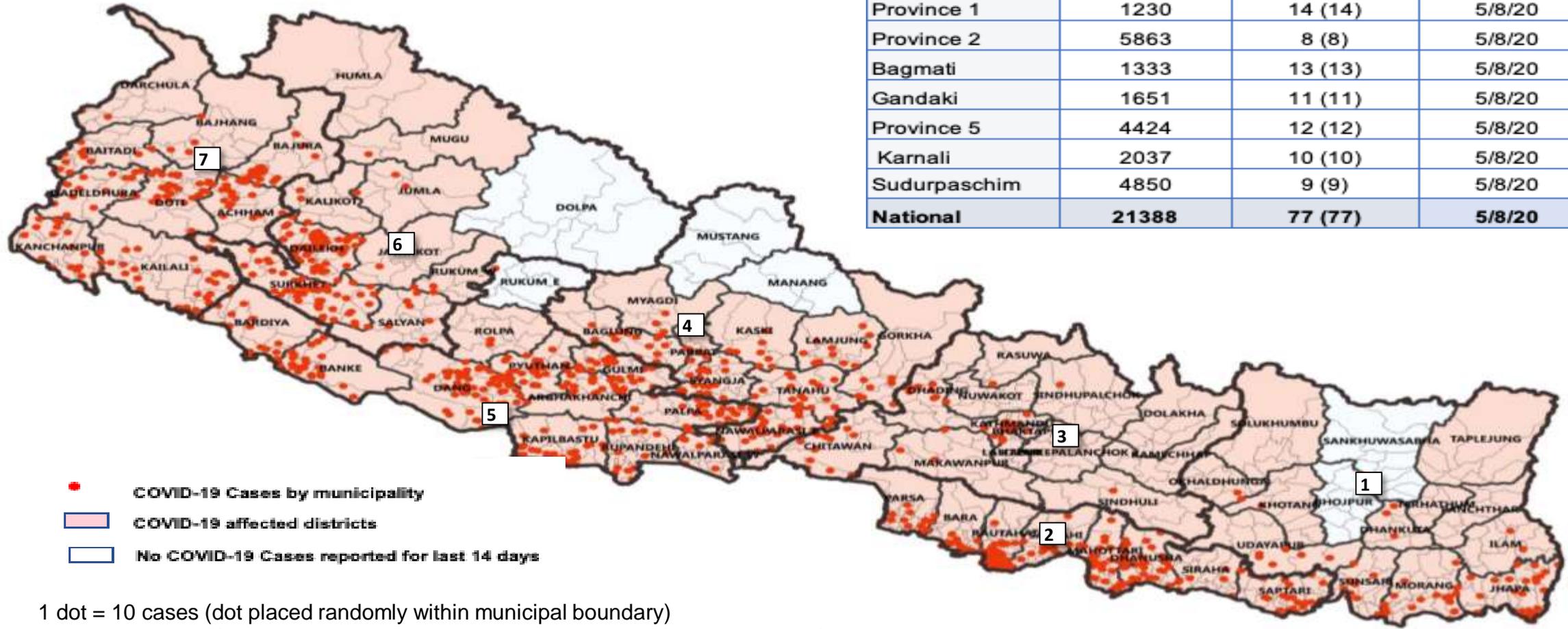
# Place distribution

# Municipalities (By domicile) with reported laboratory confirmed COVID-19 cases and districts shaded by current transmission status

| Province | Total confirmed cases | District affected (total districts) | Date of last case |
|---|---|---|---|
| Province 1 | 1230 | 14 (14) | 5/8/20 |
| Province 2 | 5863 | 8 (8) | 5/8/20 |
| Bagmati | 1333 | 13 (13) | 5/8/20 |
| Gandaki | 1651 | 11 (11) | 5/8/20 |
| Province 5 | 4424 | 12 (12) | 5/8/20 |
| Karnali | 2037 | 10 (10) | 5/8/20 |
| Sudurpaschim | 4850 | 9 (9) | 5/8/20 |
| National | 21388 | 77 (77) | 5/8/20 |

- COVID-19 Cases by municipality
- COVID-19 affected districts
- No COVID-19 Cases reported for last 14 days

1 dot = 10 cases (dot placed randomly within municipal boundary)
A district is shaded if there is at least one case in any municipality within the district confirmed within the past 14 days

The boundaries shown used in the maps in this document do not imply the expression of any opinion whatsoever on the part of the World Health Organization concerning the legal status of any country, territory, city or area or of its authorities, or concerning the delimitation of its frontiers or boundaries.

# Person distribution

Distribution of COVID-19 cases by age and sex (N=21347)
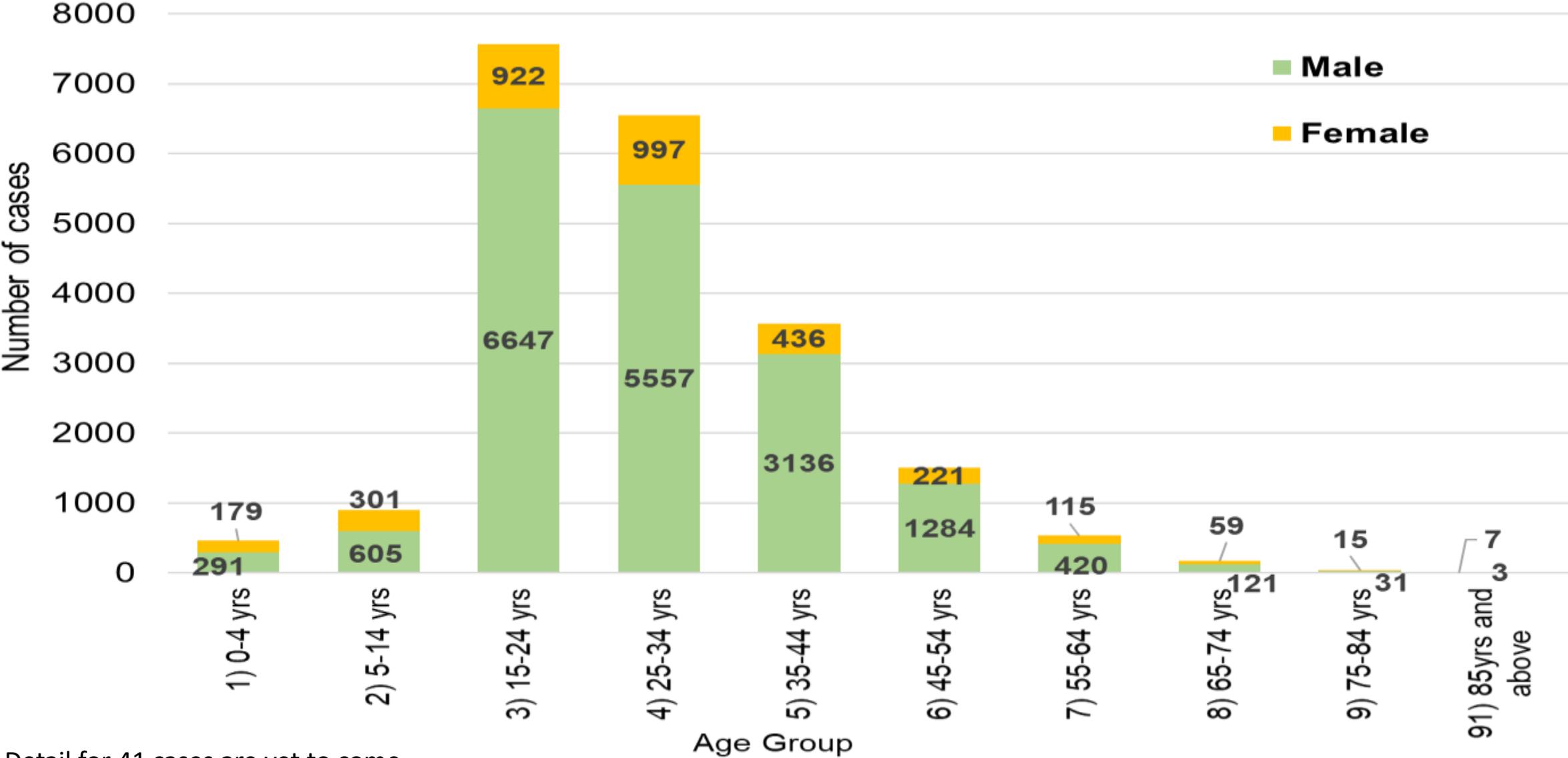
Detail for 41 cases are yet to come.

# Distribution of COVID-19 cases by age and sex by province (N= 21388)

Percentage of male among total confirmed cases: 85% (18135/21388)
Percentage of male in 15-54 year among confirmed male cases: 92% (16624/18135)

| Province | Sex | Age Group | | | | | | | | | | | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 0-4 yrs | 5-14 yrs | 15-24 yrs | 25-34 yrs | 35-44 yrs | 45-54 yrs | 55-64 yrs | 65-74 yrs | 75-84 yrs | 85+ yrs | Unknown | |
| Province 1 | Female | 5 | 10 | 41 | 76 | 41 | 22 | 8 | 6 | 0 | 1 | 0 | 210 |
| | Male | 5 | 31 | 311 | 339 | 221 | 74 | 29 | 5 | 1 | 0 | 4 | 1020 |
| | Total | 10 | 41 | 352 | 415 | 262 | 96 | 37 | 11 | 1 | 1 | 4 | 1230 |
| Province 2 | Female | 27 | 65 | 127 | 152 | 81 | 46 | 27 | 10 | 4 | 1 | 3 | 543 |
| | Male | 41 | 225 | 2024 | 1524 | 950 | 367 | 116 | 46 | 8 | 2 | 17 | 5320 |
| | Total | 68 | 290 | 2151 | 1676 | 1031 | 413 | 143 | 56 | 12 | 3 | 20 | 5863 |
| Bagmati | Female | 2 | 11 | 86 | 149 | 59 | 33 | 16 | 11 | 5 | 0 | 1 | 373 |
| | Male | 12 | 18 | 208 | 363 | 194 | 86 | 49 | 18 | 8 | 2 | 2 | 960 |
| | Total | 14 | 29 | 294 | 512 | 253 | 119 | 65 | 29 | 13 | 2 | 3 | 1333 |
| Gandaki | Female | 2 | 12 | 45 | 66 | 37 | 16 | 10 | 8 | 0 | 0 | 0 | 196 |
| | Male | 11 | 22 | 458 | 518 | 277 | 122 | 34 | 8 | 3 | 2 | 0 | 1455 |
| | Total | 13 | 34 | 503 | 584 | 314 | 138 | 44 | 16 | 3 | 2 | 0 | 1651 |
| Province 5 | Female | 33 | 56 | 154 | 150 | 74 | 39 | 18 | 6 | 4 | 0 | 1 | 535 |
| | Male | 32 | 72 | 1524 | 1169 | 702 | 290 | 73 | 12 | 6 | 0 | 9 | 3889 |
| | Total | 65 | 128 | 1678 | 1319 | 776 | 329 | 91 | 18 | 10 | 0 | 10 | 4424 |
| Karnali | Female | 13 | 23 | 85 | 88 | 16 | 13 | 7 | 2 | 1 | 0 | 0 | 248 |
| | Male | 37 | 37 | 752 | 525 | 272 | 123 | 36 | 6 | 1 | 0 | 0 | 1789 |
| | Total | 50 | 60 | 837 | 613 | 288 | 136 | 43 | 8 | 2 | 0 | 0 | 2037 |
| Sudurpaschim | Female | 97 | 124 | 384 | 316 | 128 | 52 | 29 | 16 | 1 | 1 | 0 | 1148 |
| | Male | 153 | 200 | 1370 | 1119 | 520 | 222 | 83 | 26 | 4 | 1 | 4 | 3702 |
| | Total | 250 | 324 | 1754 | 1435 | 648 | 274 | 112 | 42 | 5 | 2 | 4 | 4850 |
| National | Female | 179 | 301 | 922 | 997 | 436 | 221 | 115 | 59 | 15 | 3 | 5 | 3253 |
| | Male | 291 | 605 | 6647 | 5557 | 3136 | 1284 | 420 | 121 | 31 | 7 | 36 | 18135 |
| | Total | 470 | 906 | 7569 | 6554 | 3572 | 1505 | 535 | 180 | 46 | 10 | 41 | 21388 |

## Age-specific case fatality ratio and comorbidity of deaths* in COVID-19 confirmed cases (N= 21388)

| Age Group | Total confirmed cases | Death (male) | Death (female) | Deaths with any known comorbid condition | Age specific case fatality ratio (%) |
|---|---|---|---|---|---|
| 0–4 yrs | 470 | 1 | 1 | 1 | 0.43 |
| 5–14 yrs | 906 | 1 | 0 | 0 | 0.11 |
| 15–24 yrs | 7569 | 1 | 2 | 1 | 0.04 |
| 25–34 yrs | 6554 | 4 | 2 | 3 | 0.09 |
| 35–44 yrs | 3572 | 8 | 1 | 3 | 0.25 |
| 45–54 yrs | 1505 | 9 | 2 | 8 | 0.73 |
| 55–64 yrs | 535 | 10 | 1 | 59 | 2.06 |
| 65–74 yrs | 180 | 9 | 2 | 8 | 6.11 |
| 75–84 yrs | 46 | 3 | 0 | 73 | 6.52 |
| 85+ yrs | 10 | 1 | 1 | 81 | 20 |
| Unknown | 41 | 0 | 0 | 0 | 0 |
| National | 21388 | 47 | 12 | 37 | 0.28 |

*COVID-19 positive lab result is temporally associated with death; causal association under investigation.*
*\* Source: https://covid19.mohp.gov.np/#/*

## Distribution symptomatic/asymptomatic COVID-19 cases at presentation (N=21388)

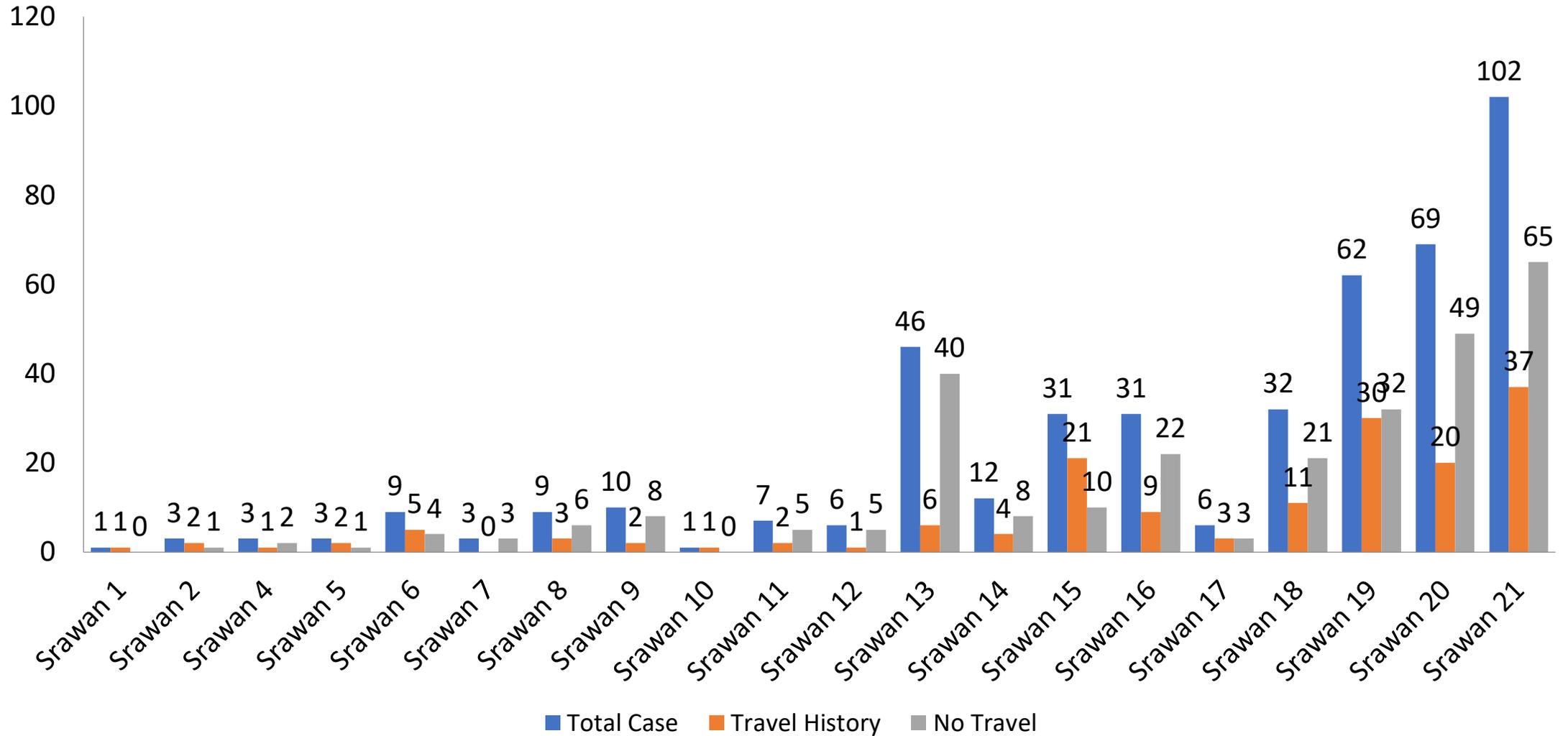| Age Group | Total confirmed cases | Asymptomatic | Symptomatic (n) | Symptomatic (%) |
|---|---|---|---|---|
| 0-4 yrs | 470 | 468 | 2 | 0.4 |
| 5-14 yrs | 906 | 904 | 2 | 0.2 |
| 15-24 yrs | 7569 | 7558 | 11 | 0.1 |
| 25-34 yrs | 6554 | 6530 | 24 | 0.4 |
| 35-44 yrs | 3572 | 3560 | 12 | 0.3 |
| 45-54 yrs | 1505 | 1499 | 6 | 0.4 |
| 55-64 yrs | 535 | 526 | 9 | 1.7 |
| 65-74 yrs | 180 | 170 | 10 | 5.6 |
| 75-84 yrs | 46 | 44 | 2 | 4.3 |
| 85+ yrs | 10 | 9 | 1 | 10.0 |
| Unknown | 41 | 41 | 0 | 0.0 |
| **National** | **21388** | **21309** | **79** | **0.4** |

# Kathmandu Valley

# Status of Kathmandu Valley

# Positive cases trend in Kathmandu Valley
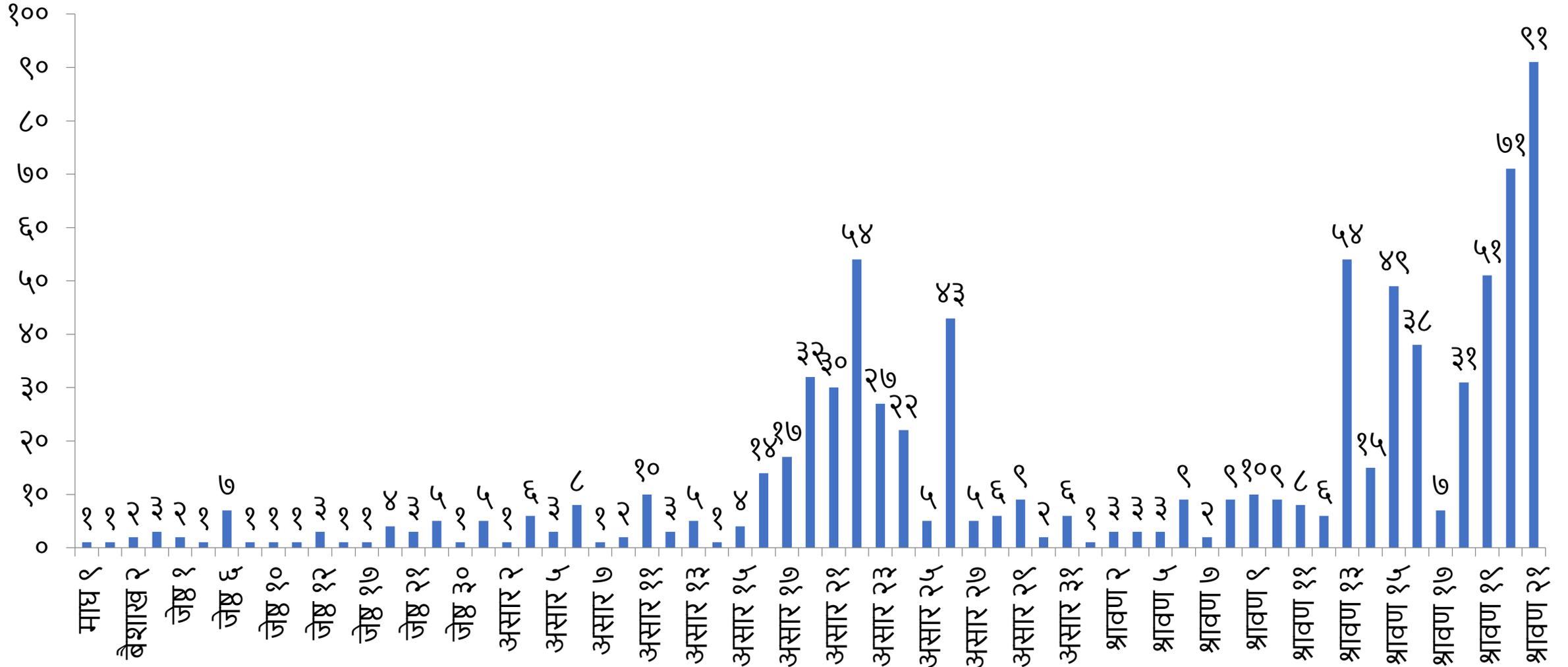
Travel History of Positive cases in Kathmandu Valley
(1 Srawan to 21 Srawan)

# Status of positive case in Kathmandu Valley (Srawan 22)



Bar chart showing status of positive cases across hospitals:

| Hospital | Ventilator | ICU | Isolation | Total |
|---|---|---|---|---|
| STIDH, Teku | 0 | 17 | 34 | 51 |
| Patan Hospital | 3 | 5 | 56 | 64 |
| APF Hospital | 0 | 2 | 120 | 122 |
| Ayurbed Hospital, Kirtipur | | | 41 | 41 |
| KMC Hospital, Duwakot | | | 67 | 67 |
| TU Teaching Hospital | 0 | 2 | 6 | 8 |

Legend: ■ Ventilator ■ ICU ■ Isolation ■ Total