

Coronavirus Disease 2019 (COVID-19) in Cyprus

Surveillance Report as of 08/09/2020

Nicosia 10/09/2020

Data in brief (as of 08/09/2020)

| | | | |
|----------------------------|----------------------|----------------------------|------------|
| Laboratory-confirmed cases | Locally-acquired (%) | Recovered [§] (%) | Deaths (%) |
| 1,511 | 966 (63.9%) | 1,281 (86.4%) | 29 (1.9%) |

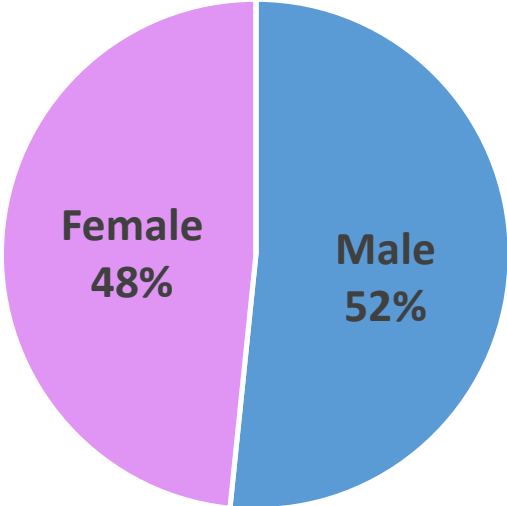
§Among cases alive

| | |
|-------------------------------|-----------------------------------|
| Hospital care / currently (%) | Currently in Intensive Care Unit* |
| 209 (13.8%) / 5 (2.4%) | 1 |

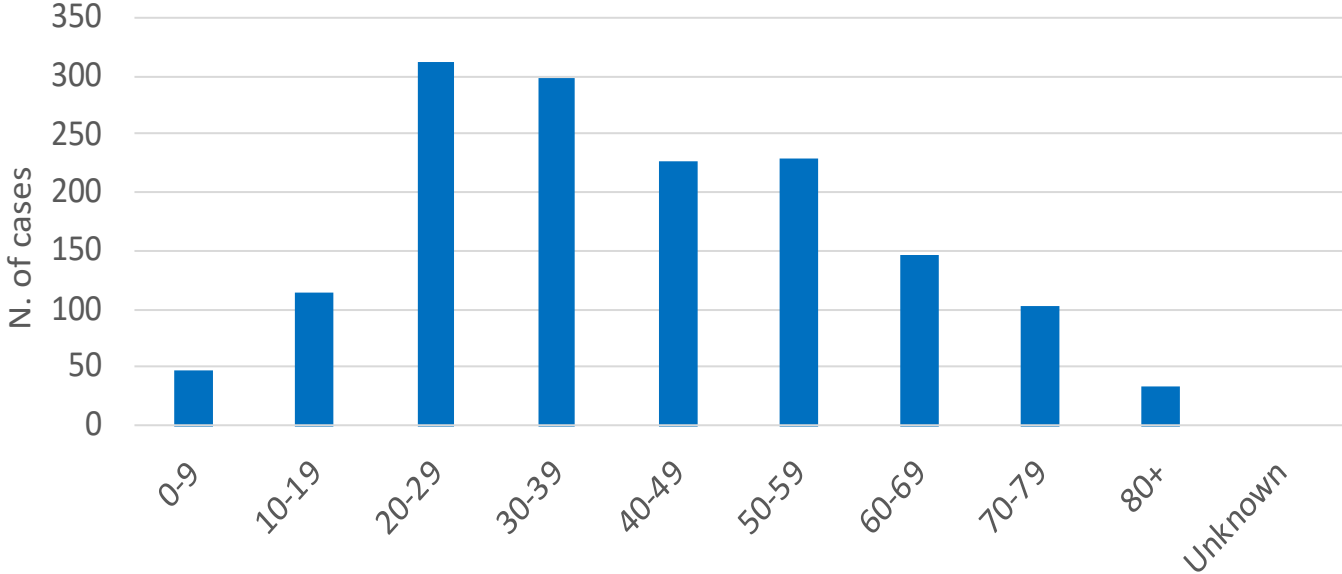
**Date of discharge/transfer/death included*

Distribution of cases by sex and age groups

Sex

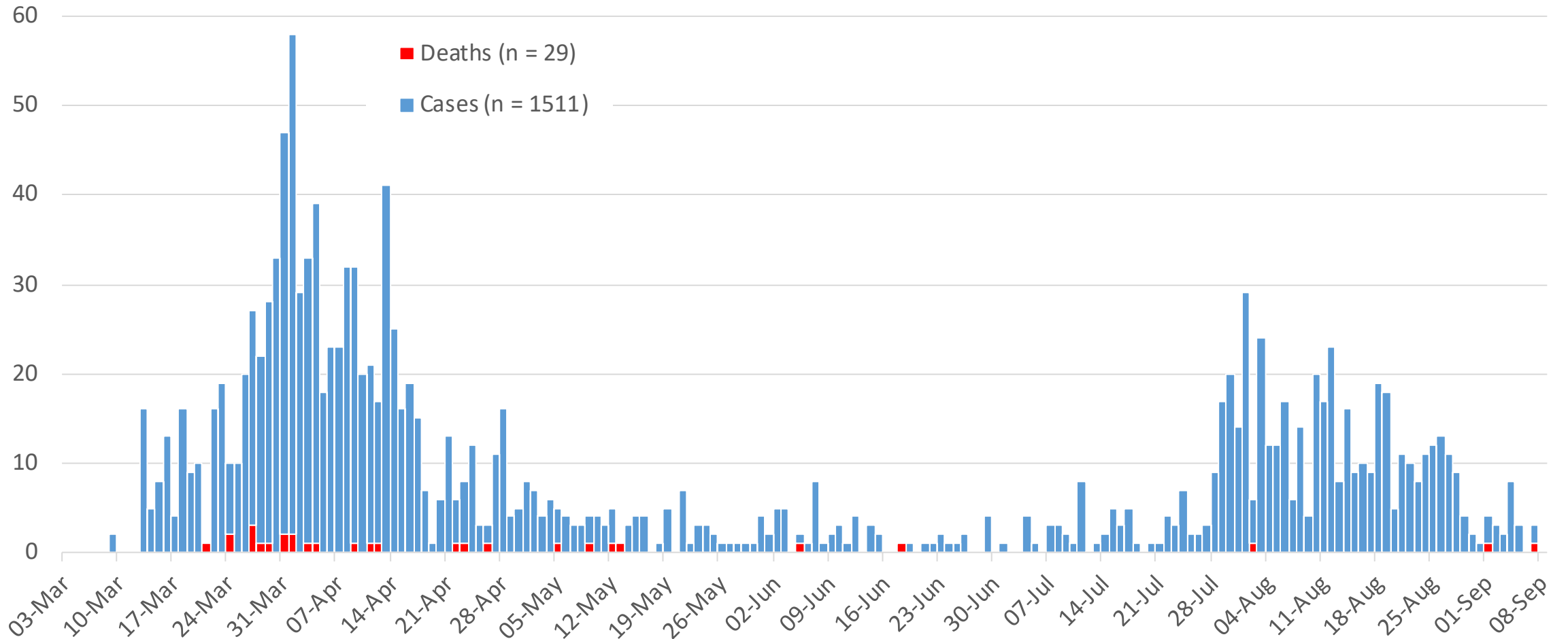


Age groups

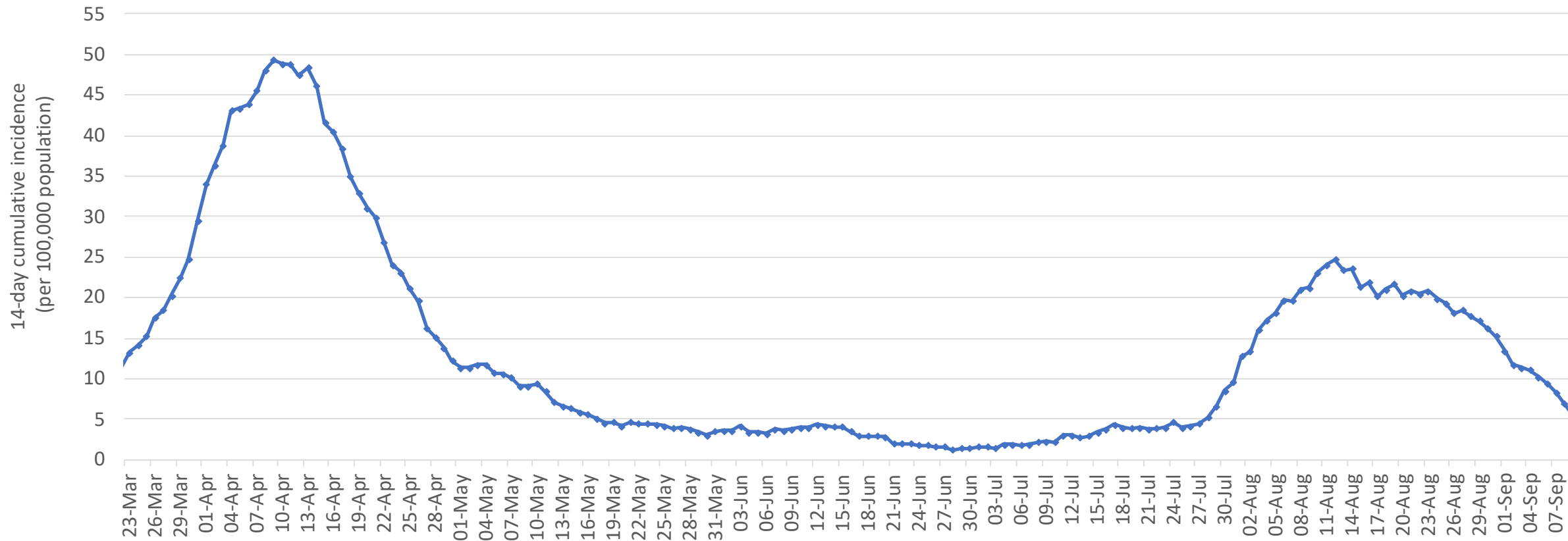


Median age: 39 years (interquartile range: 27-56 years)

Laboratory-confirmed cases and deaths by date of reporting

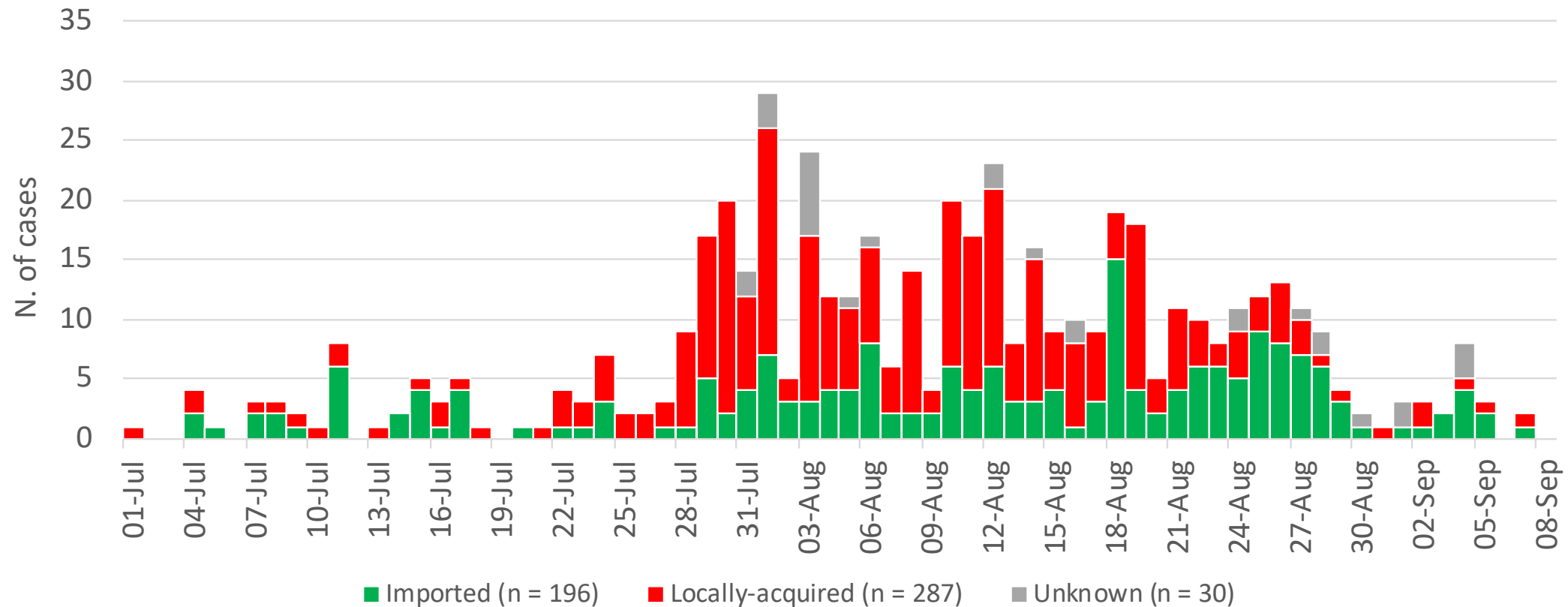


COVID-19 14-day cumulative incidence rate per 100,000 population (proxy of COVID-19 prevalence)



March 23rd: 14 days since the first reported case

COVID-19 cases by origin of infection, since July 1st (n = 513)

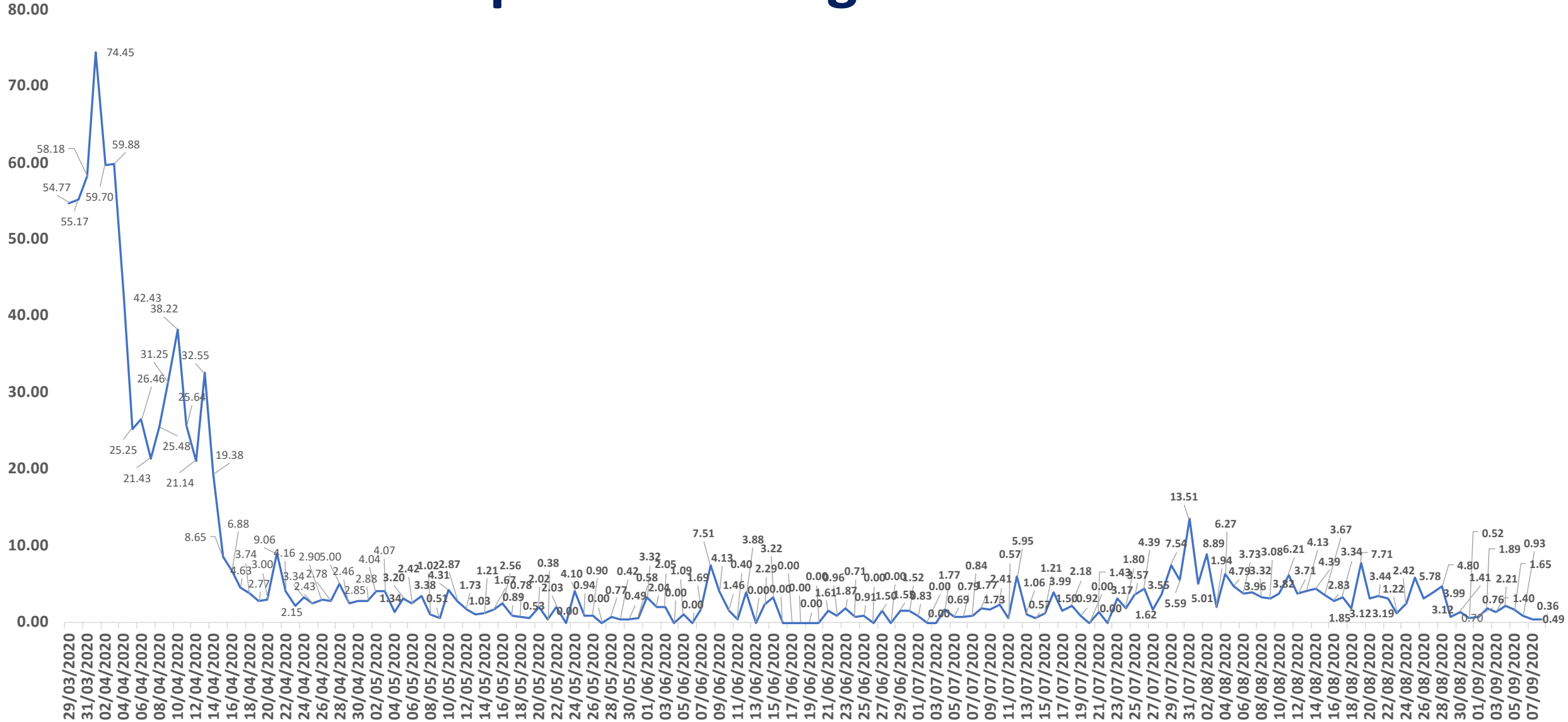


COVID-19 cases characteristics, since July 1st

| Characteristics | Total (n = 513) | | Imported (n = 196) | | Locally-acquired (n = 287) | | Unknown (n = 30) | |
|-------------------------------|--------------------|------|-----------------------|------|-------------------------------|------|---------------------|------|
| | N | % | N | % | N | % | N | % |
| Sex | | | | | | | | |
| Male | 272 | 53.0 | 122 | 62.2 | 133 | 46.3 | 17 | 56.7 |
| Female | 241 | 47.0 | 74 | 37.8 | 154 | 53.7 | 13 | 43.3 |
| Age groups (years) | | | | | | | | |
| 0-9 | 17 | 3.3 | 2 | 1.0 | 14 | 4.9 | 1 | 3.3 |
| 10-19 | 65 | 12.7 | 20 | 10.2 | 41 | 14.3 | 4 | 13.3 |
| 20-29 | 161 | 31.4 | 85 | 43.4 | 68 | 23.7 | 8 | 26.7 |
| 30-39 | 101 | 19.7 | 44 | 22.4 | 52 | 18.1 | 5 | 16.7 |
| 40-49 | 62 | 12.1 | 15 | 7.7 | 44 | 15.3 | 3 | 10.0 |
| 50-59 | 56 | 10.9 | 17 | 8.7 | 36 | 12.5 | 3 | 10.0 |
| 60-69 | 31 | 6.0 | 6 | 3.1 | 23 | 8.0 | 2 | 6.7 |
| 70-79 | 17 | 3.3 | 6 | 3.1 | 8 | 2.8 | 3 | 10.0 |
| 80+ | 3 | 0.6 | 1 | 0.5 | 1 | 0.3 | 1 | 3.3 |
| Median age in years (IQR*) | 31 (23-46) | | 28 (23-38) | | 32 (23-48) | | 34 (22-55) | |
| District | | | | | | | | |
| Ammochostos | 33 | 6.4 | 15 | 7.7 | 18 | 6.3 | 0 | 0.0 |
| Larnaka | 140 | 27.3 | 23 | 11.7 | 105 | 36.6 | 12 | 40.0 |
| Limassol | 147 | 28.7 | 48 | 24.5 | 95 | 33.1 | 4 | 13.3 |
| Nicosia | 107 | 20.9 | 40 | 20.4 | 57 | 19.9 | 10 | 33.3 |
| Pafos | 20 | 3.9 | 8 | 4.1 | 9 | 3.1 | 3 | 10.0 |
| Other | 66 | 12.9 | 62 | 31.6 | 3 | 1.0 | 1 | 3.3 |
| Symptoms at diagnosis | | | | | | | | |
| Yes | 247 | 48.1 | 58 | 29.6 | 175 | 61.0 | 14 | 46.7 |
| No | 249 | 48.5 | 123 | 62.8 | 110 | 38.3 | 16 | 53.3 |
| Unknown | 17 | 3.3 | 15 | 7.7 | 2 | 0.7 | 0 | 0.0 |

IQR: interquartile range

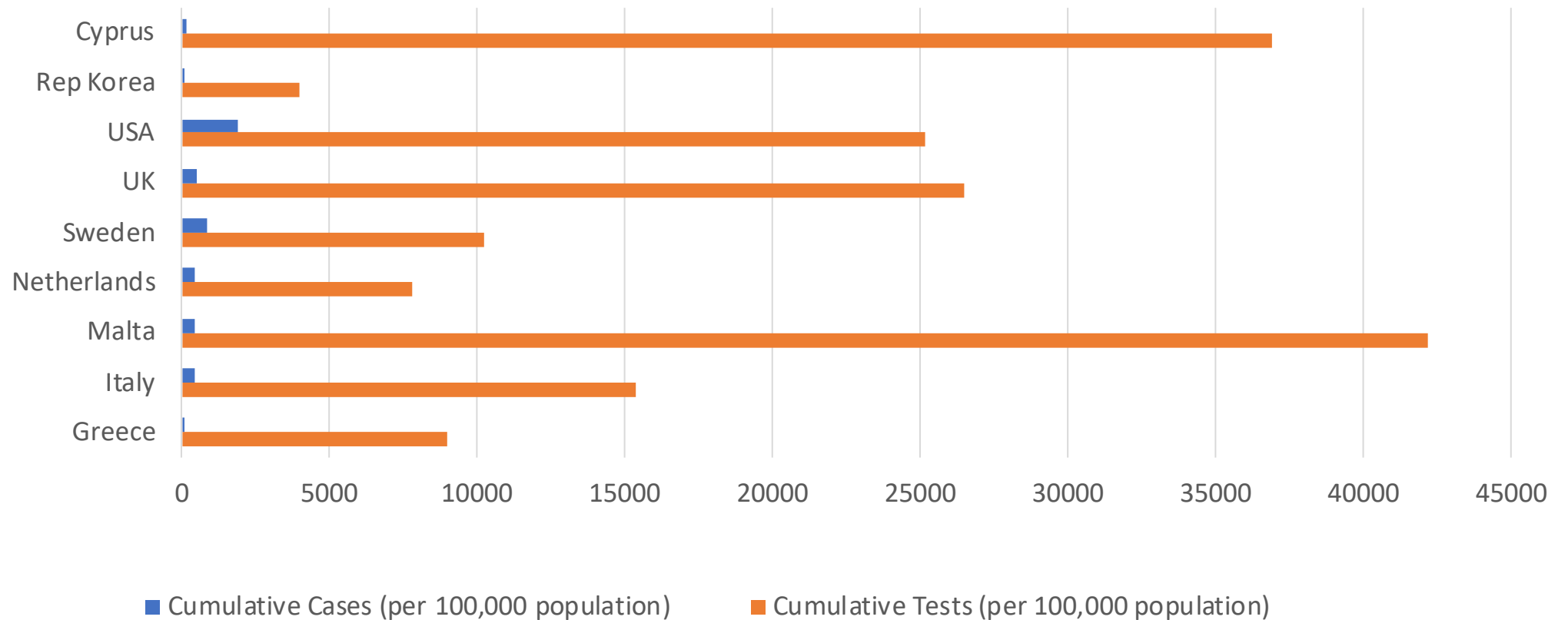
COVID-19 cases per 1000 diagnostic tests*



*Data from daily press releases "Announcements of the Ministry of Health regarding new cases of COVID-19 disease"

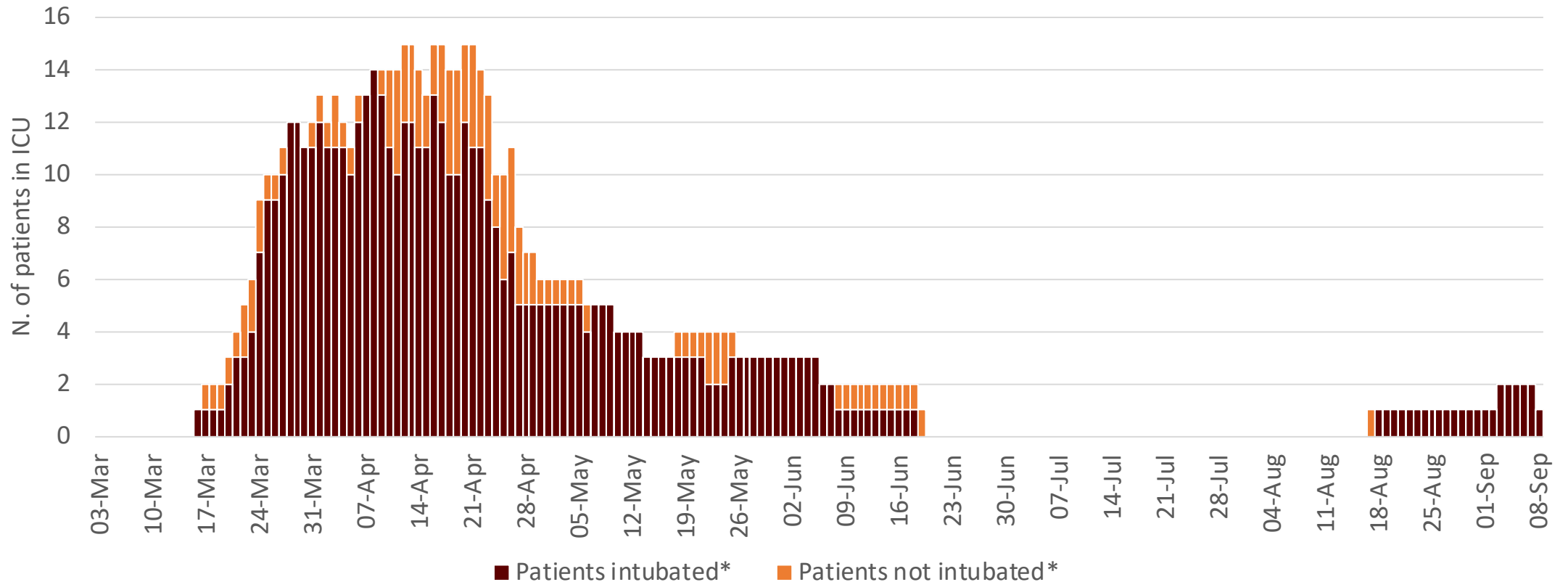
Comparison with other countries - cases and tests

(as of 08/09/2020)



Cases in intensive care units (ICU)*

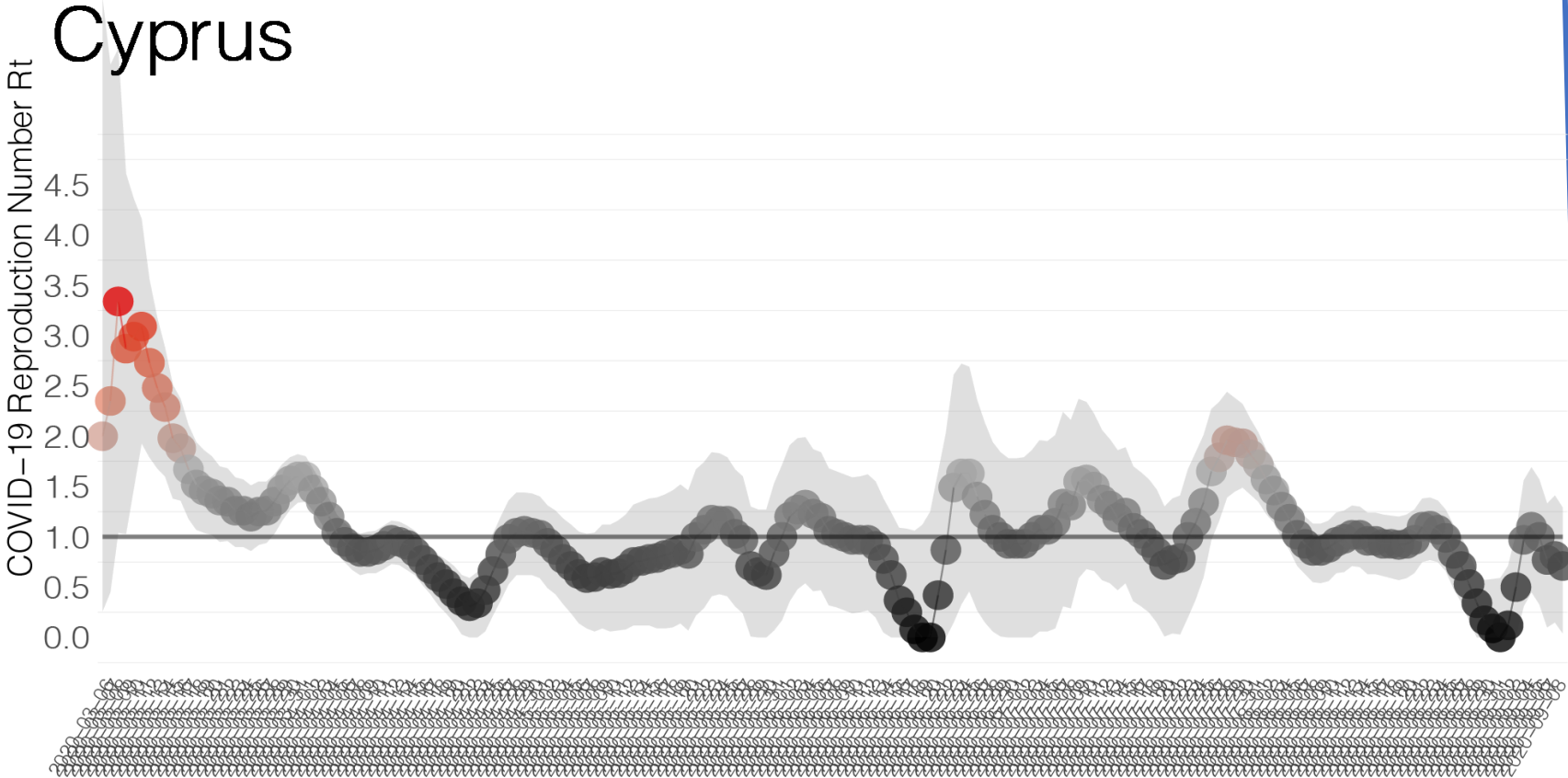
- 34 (2.3% of all cases) have ever been admitted to ICU



*Intensive care unit (ICU) refers only to the ICU in Limassol General Hospital and ICU in Nicosia General Hospital
Date of discharge/transfer/death included

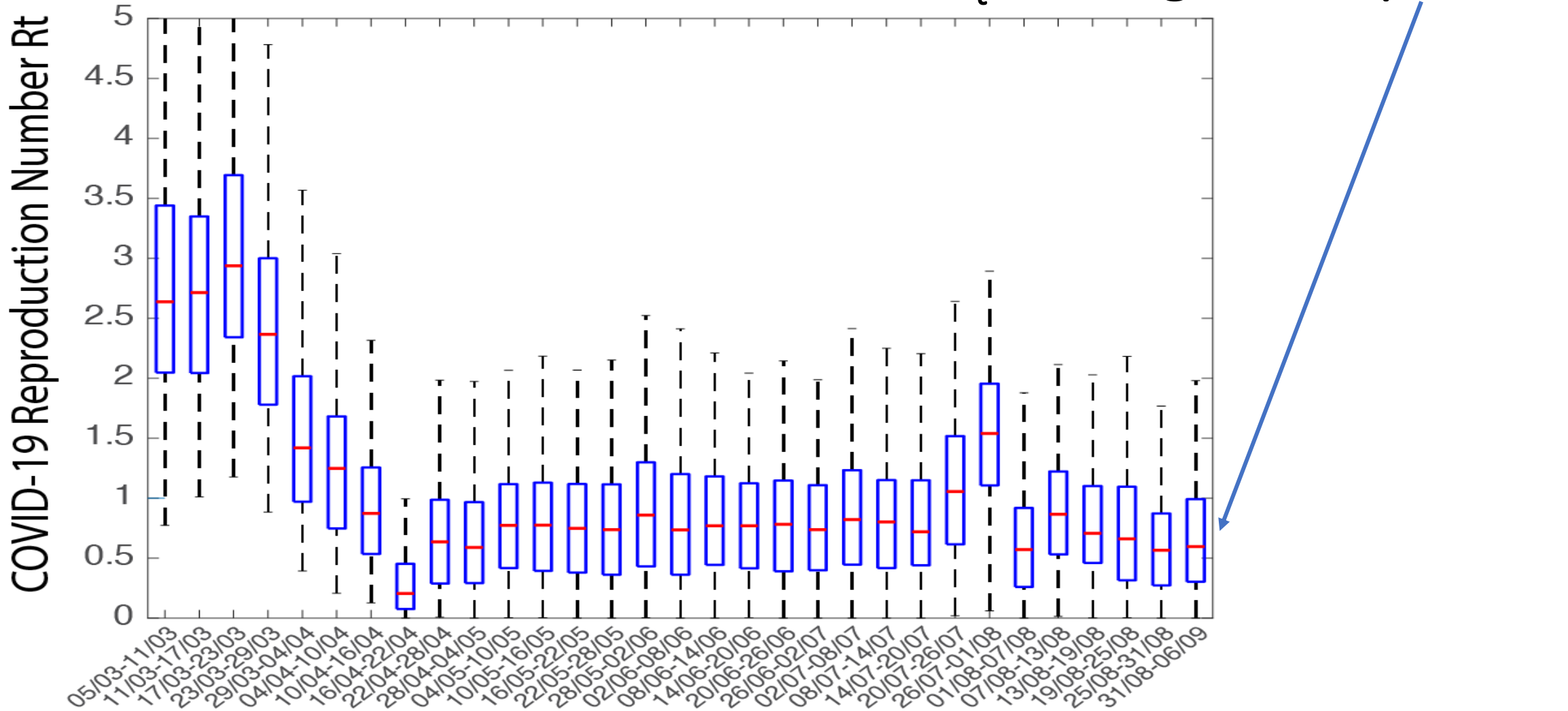
Effective reproductive number (Rt) – Method A

R_t 01 - 07 Sep: 0.83 (0.19 - 1.41)



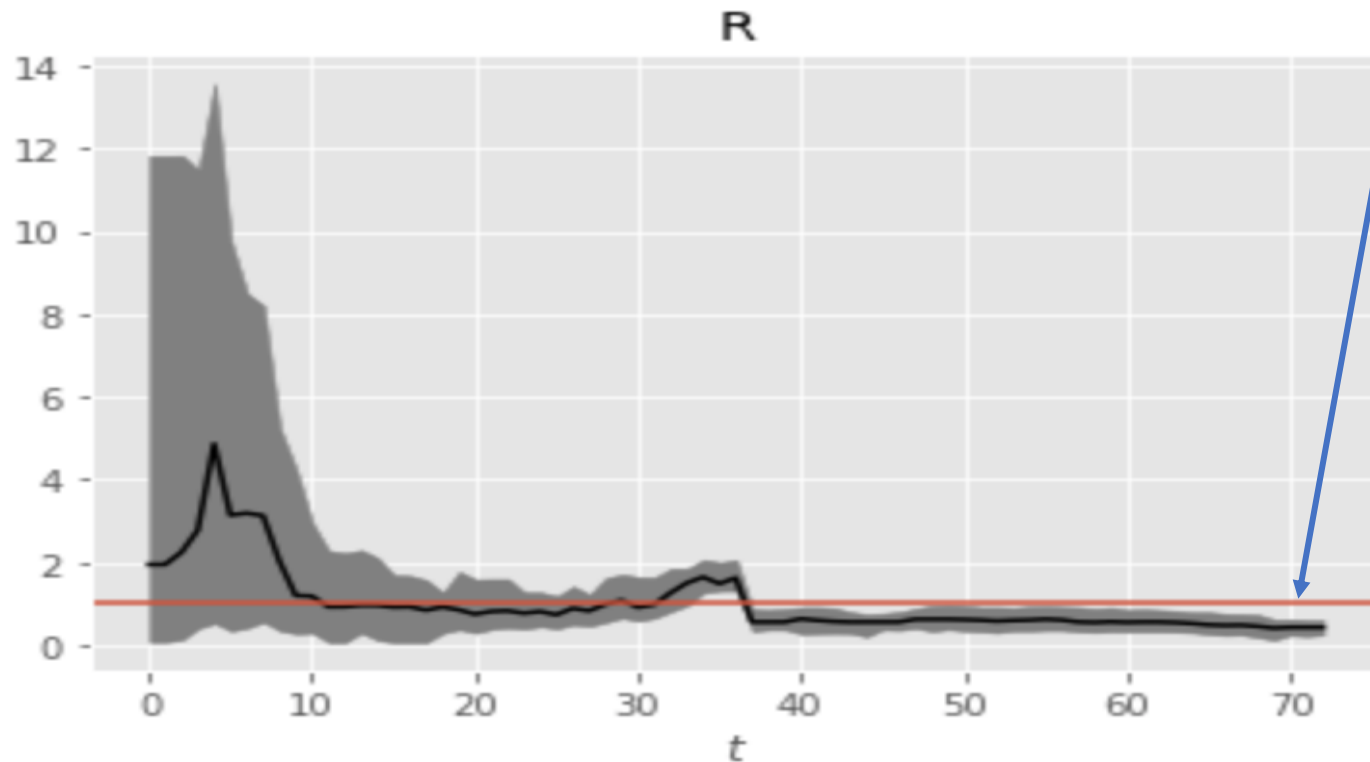
Effective reproductive number (Rt) – Method B

R_t 31 Aug - 06 Sep: 0.68



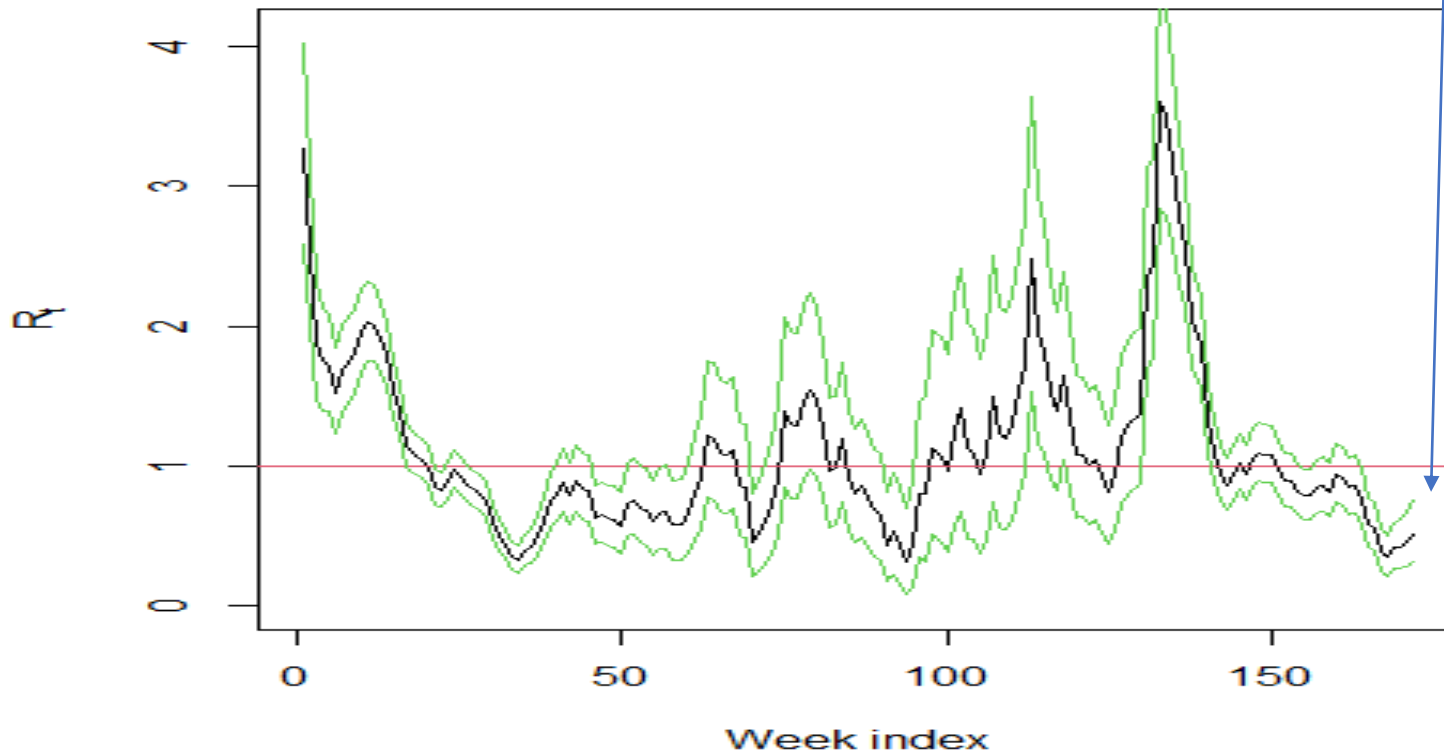
Effective reproductive number (R_t) – Method C

R_t recent days: 0.45 (90% credibility interval for the last day 0.26-0.62)



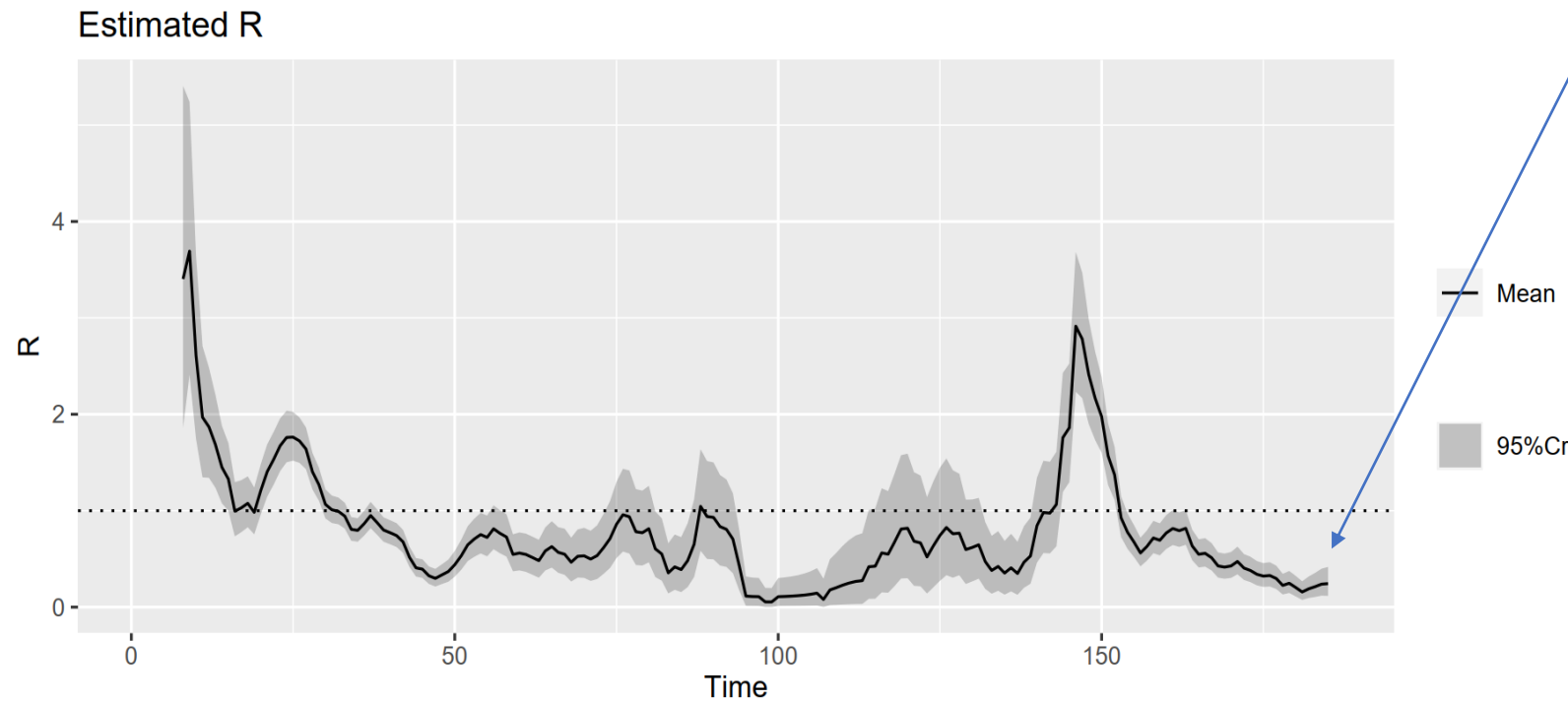
Effective reproductive number (R_t) – Method D (all cases)

R_t 01 - 07 Sep: 0.51 (0.31 - 0.75)



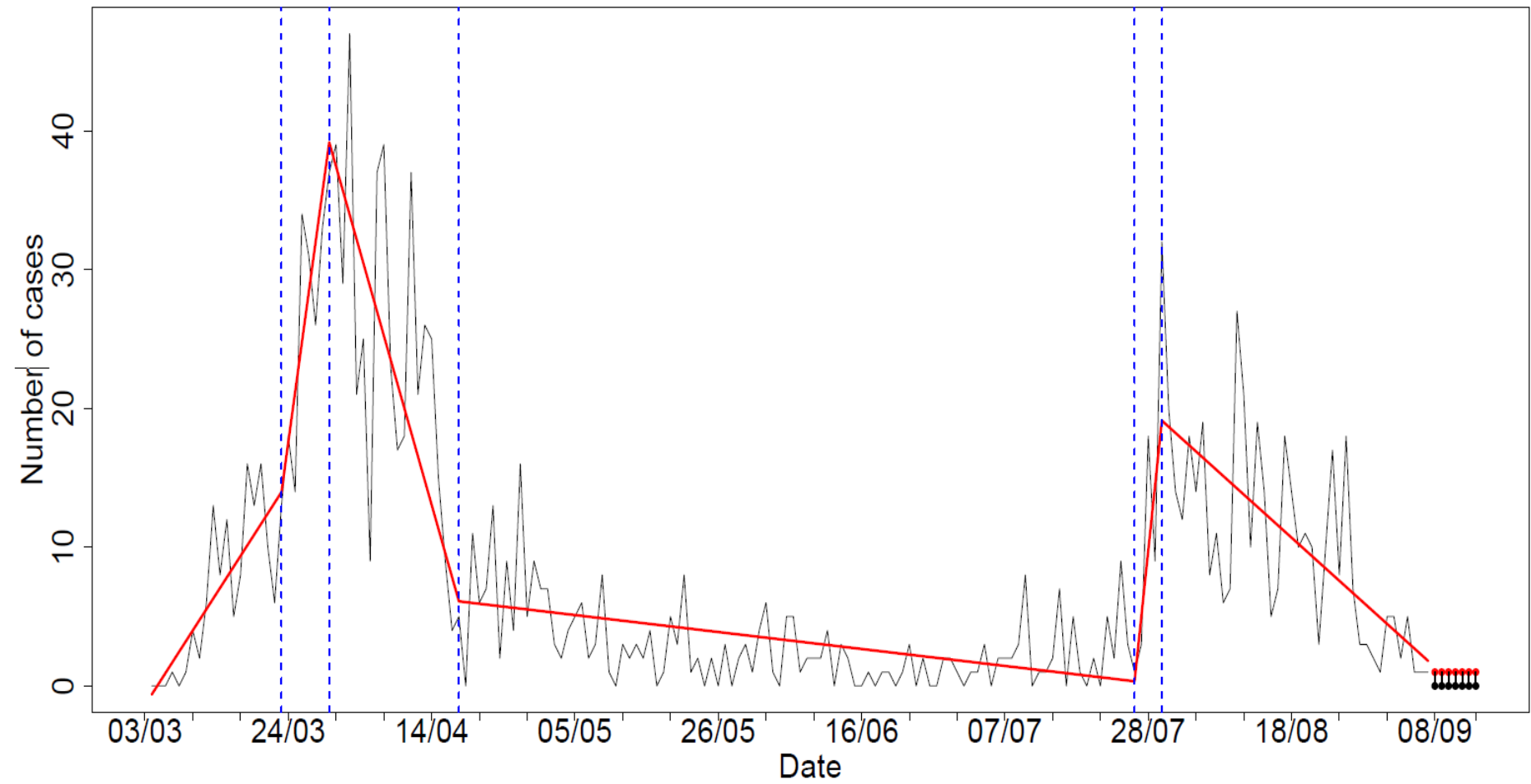
Effective reproductive number (R_t) – Method D (only locally-acquired cases)

R_t 01 - 07 Sep: 0.24 (0.12 - 0.42)



Change-point analysis and predictions

Cases, estimated change-points, and the signal



Mathematical Modeling of COVID-19 Pandemic

Research Team

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Laboratory tests for SARS-CoV-2

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