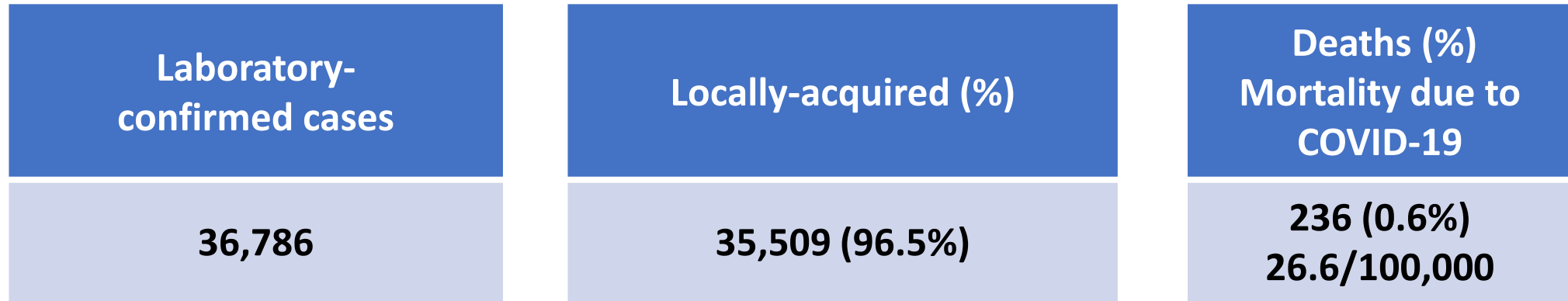


# **Coronavirus Disease 2019 (COVID-19) in the Republic of Cyprus**

**Surveillance Report as of 09/03/2021**

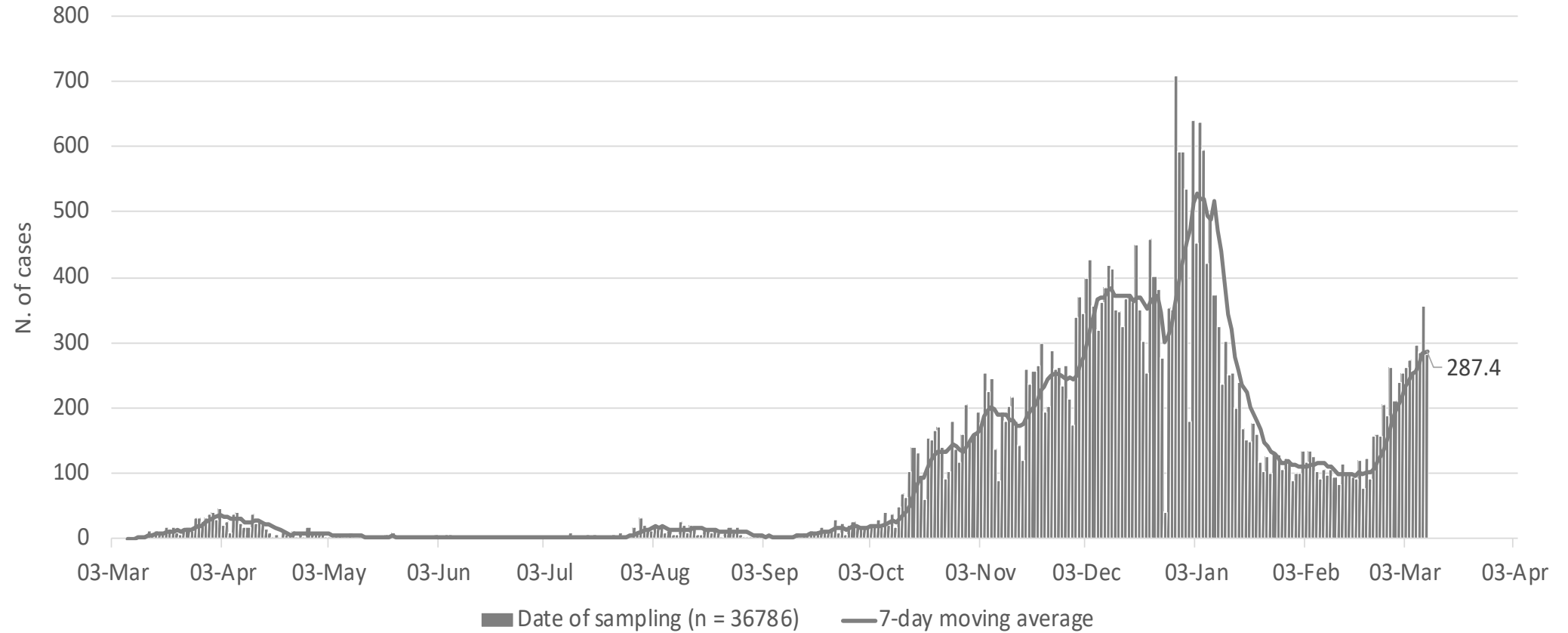
Nicosia 12/03/2021

# Data in brief



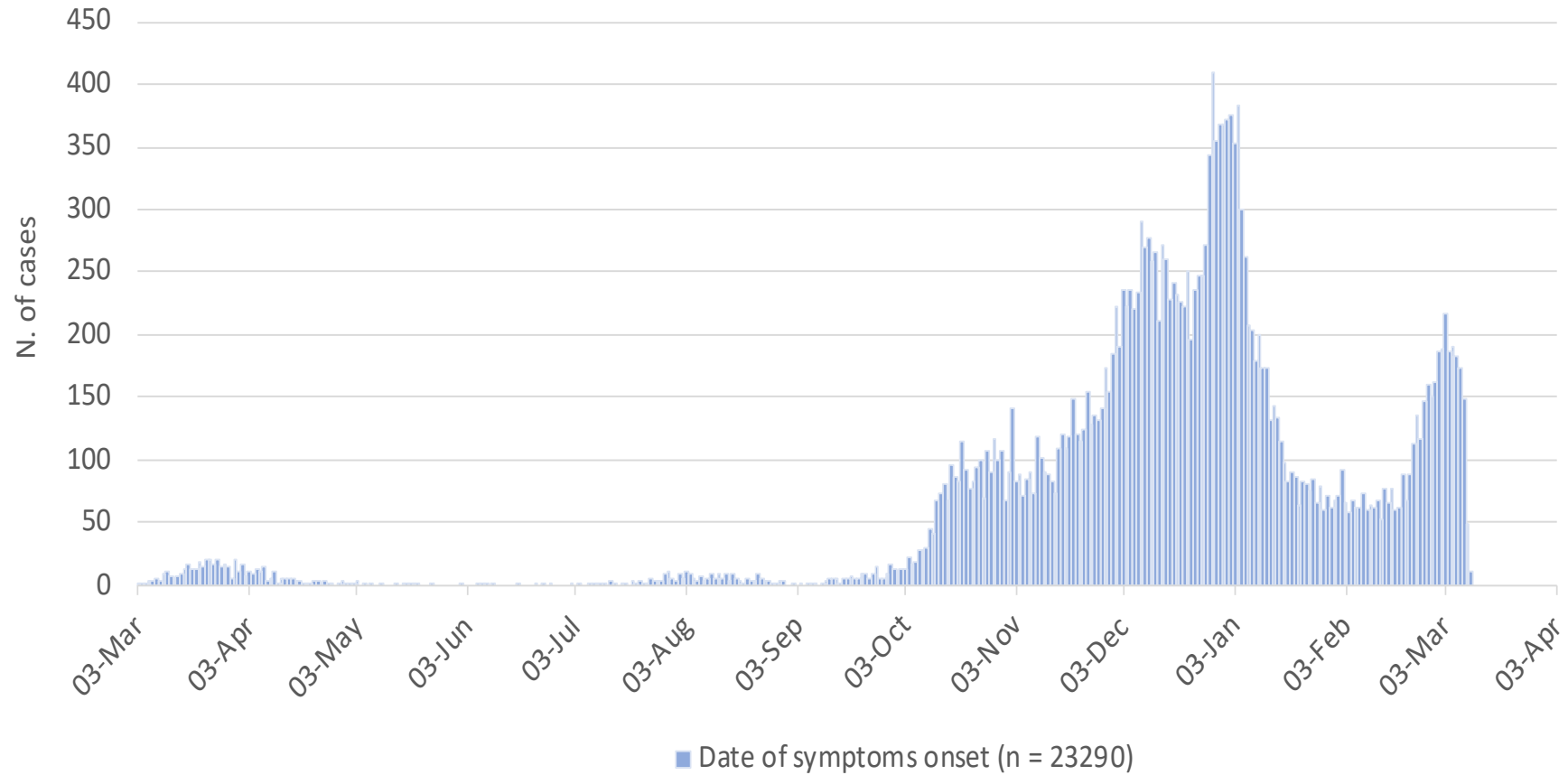
*\*Date of discharge/transfer/death included*

# Laboratory-confirmed cases by date of sampling

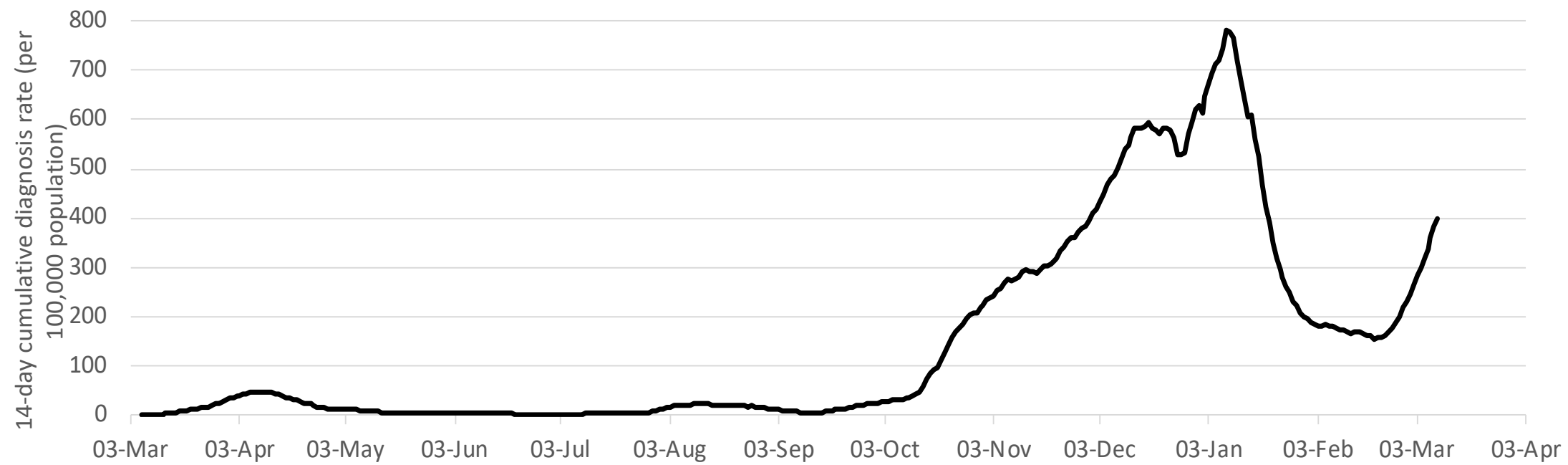


7-day moving average on March 9<sup>th</sup> is shown on the graph

# Laboratory-confirmed cases by date of symptom onset



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



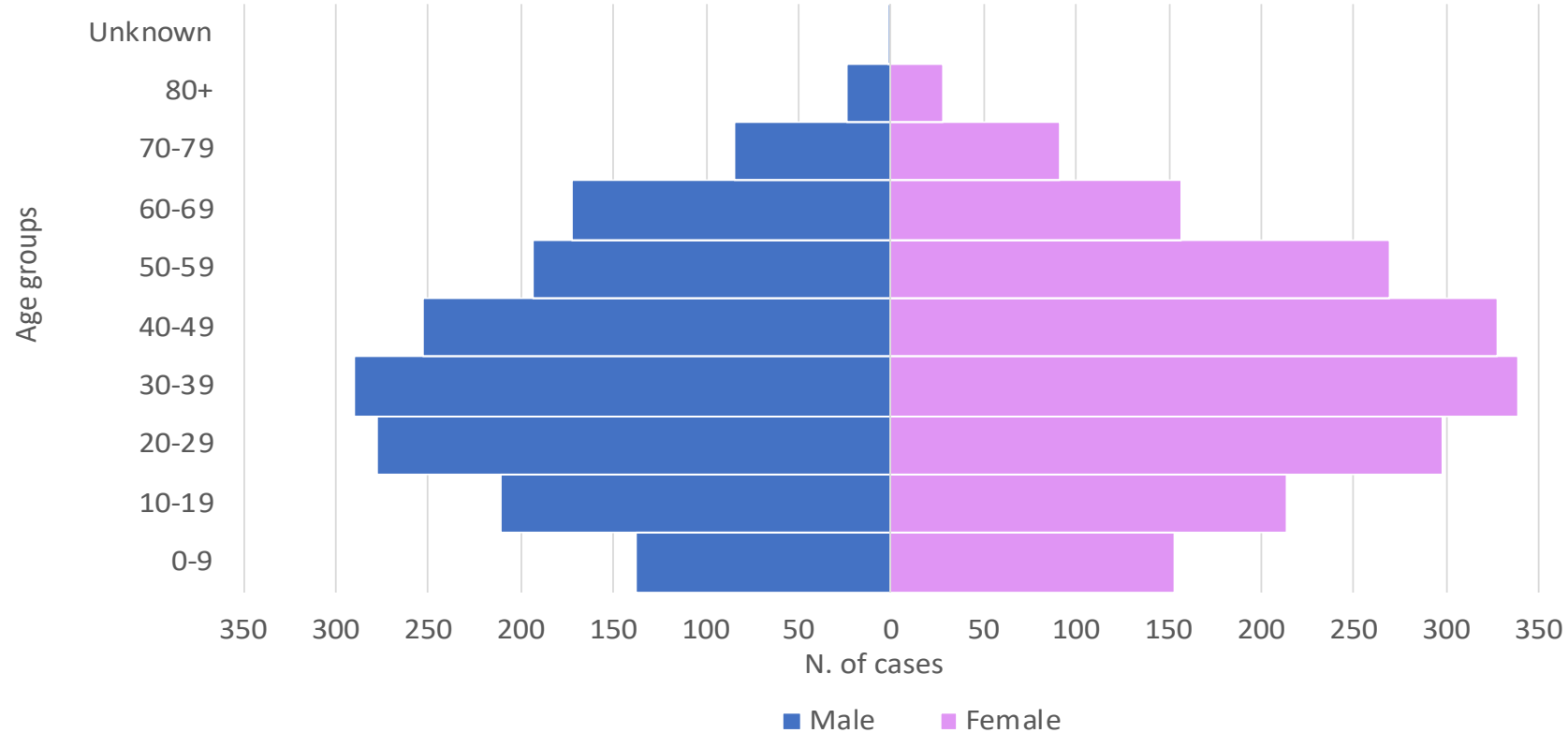
# Data in brief (Last 14 days; 24 Feb - 09 Mar, 2021)

Laboratory-confirmed cases	Locally-acquired (%)
3,528	3,493 (99%)

Currently in Intensive Care Unit*
22

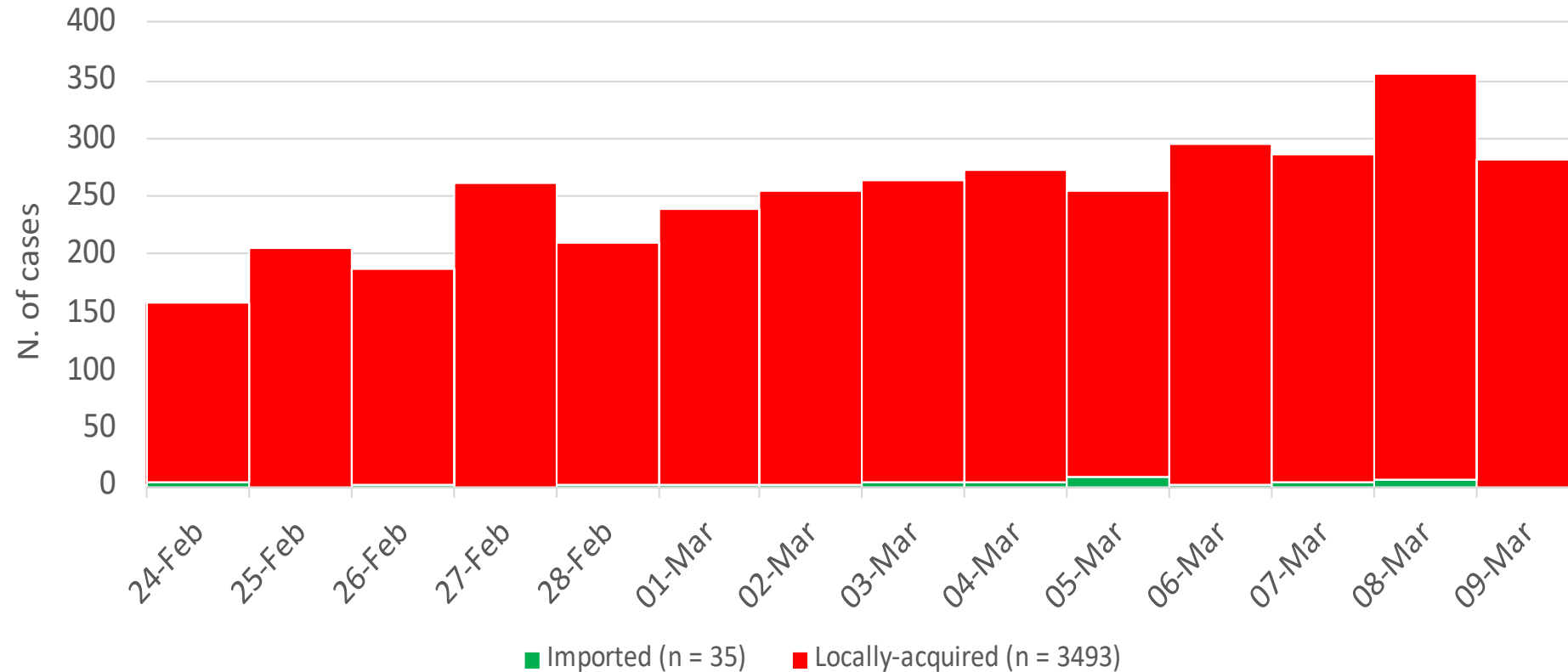
*\*Date of discharge/transfer/death included*

# Distribution of cases diagnosed in the last 14 days by sex and age group (n = 3.528)



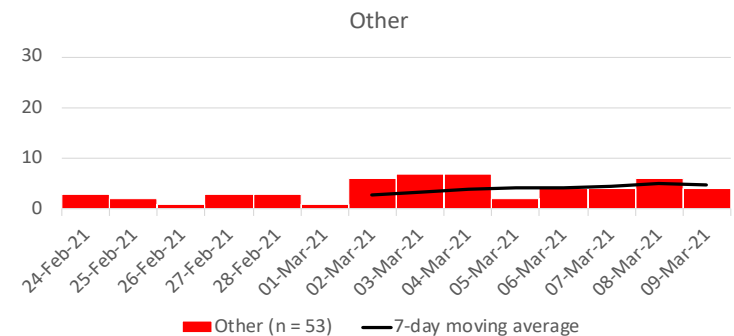
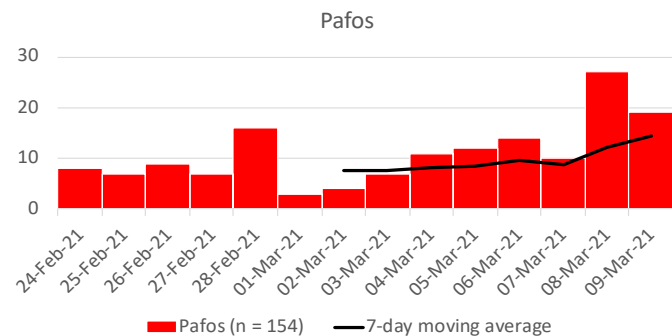
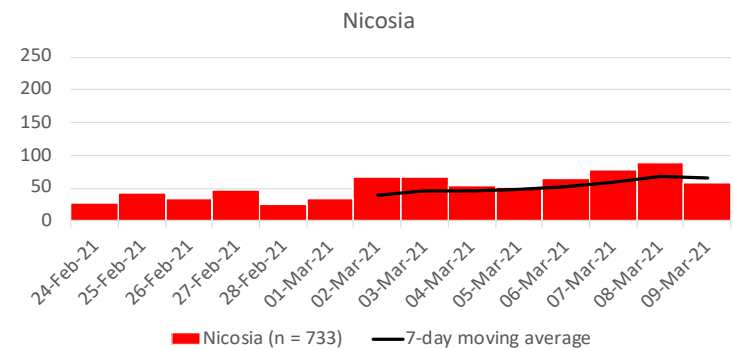
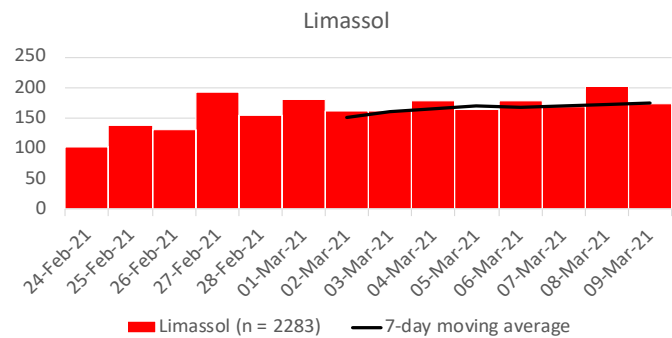
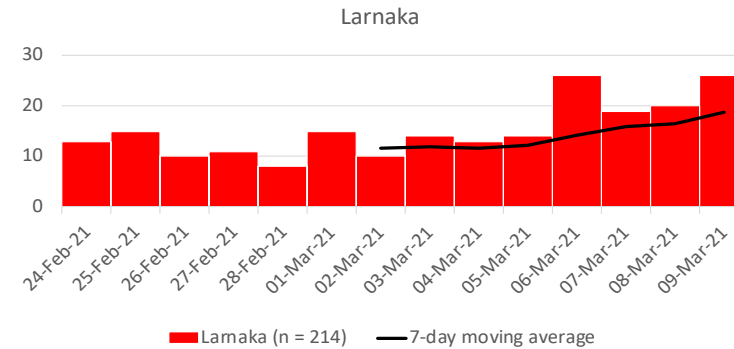
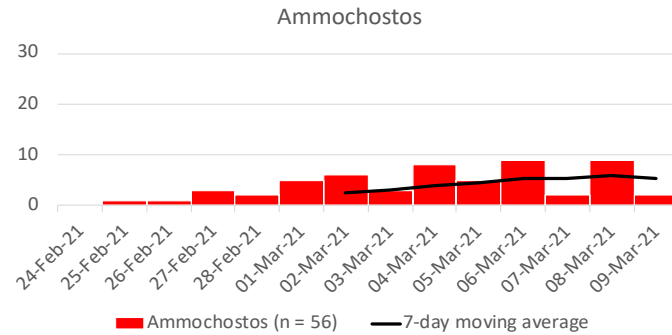
Median age: 37 years (interquartile range: 23-52 years)

# COVID-19 cases by origin of infection and by date of sampling for the last 14 days





# COVID-19 locally-acquired cases by date of sampling and district for the last 14 days

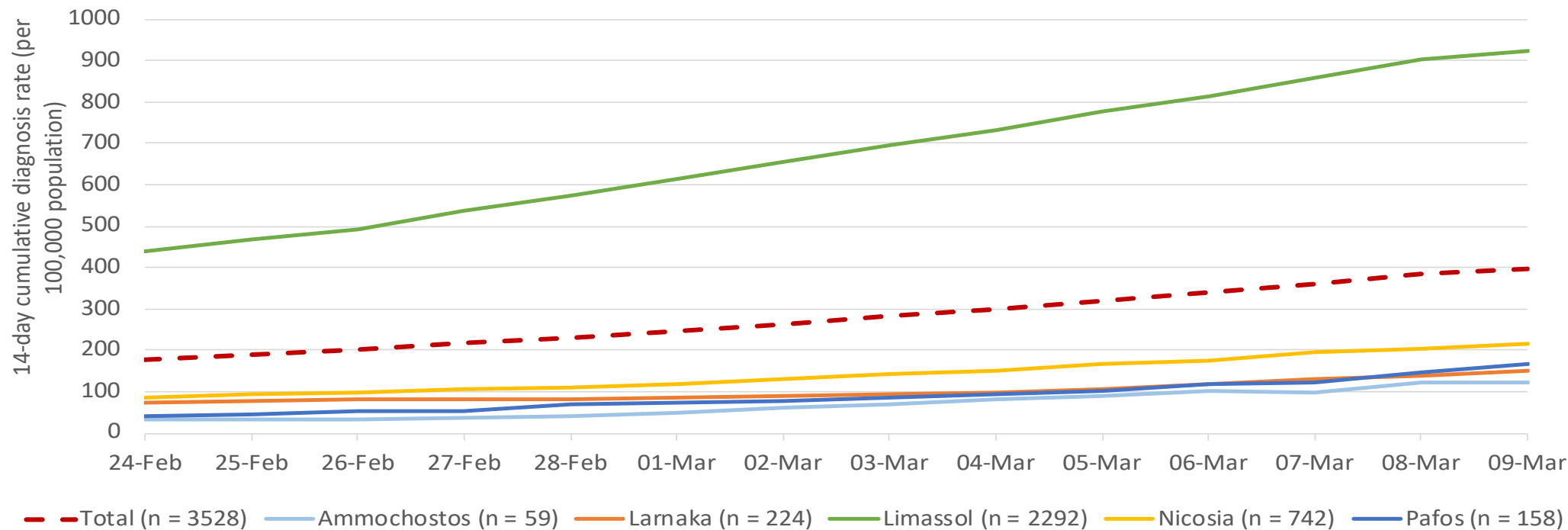


# COVID-19 cases characteristics for the last 14 days

Characteristics	Total (n = 3528)		Imported (n = 35)		Locally-acquired (n = 3493)	
	N	%	N	%	N	%
<b>Sex</b>						
Male	1646	46.7	16	45.7	1630	46.7
Female	1875	53.1	19	54.3	1856	53.1
Unknown	7	0.2	0	0.0	7	0.2
<b>Age groups (years)</b>						
0-9	291	8.2	0	0.0	291	8.3
10-19	426	12.1	0	0.0	426	12.2
20-29	576	16.3	15	42.9	561	16.1
30-39	630	17.9	8	22.9	622	17.8
40-49	582	16.5	7	20.0	575	16.5
50-59	462	13.1	4	11.4	458	13.1
60-69	329	9.3	0	0.0	329	9.4
70-79	176	5.0	0	0.0	176	5.0
80+	52	1.5	1	2.9	51	1.5
Unknown	0	0.0	0	0.0	0	0.0
<b>Median age in years (IQR)</b>	37 (23-52)		33 (25-41)		37 (23-52)	
<b>District</b>						
Ammochostos	59	1.7	3	8.6	56	1.6
Larnaka	224	6.4	10	28.6	214	6.1
Limassol	2292	65.0	9	25.7	2283	65.4
Nicosia	742	21.0	9	25.7	733	21.0
Pafos	158	4.5	4	11.4	154	4.4
Other	53	1.5	0	0.0	53	1.5
<b>Symptoms at diagnosis</b>						
Yes	2,484	70.4				
No	1,044	29.6				
Unknown	0	0.0				

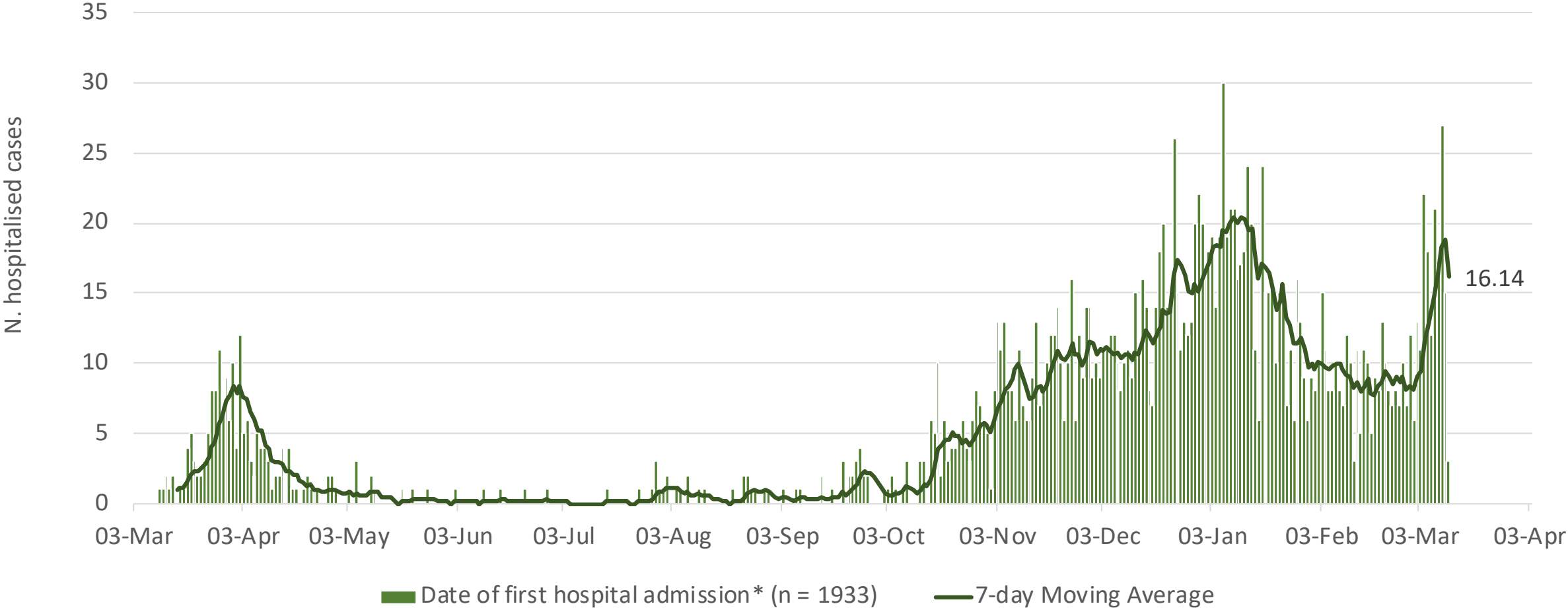
IQR: interquartile range

# COVID-19 14-day cumulative diagnosis rate per 100,000 population, overall and by district for the last 14 days



397.3	120.7	150.3	923.1	214.2	165.6
March 9 <sup>th</sup> , 2021					

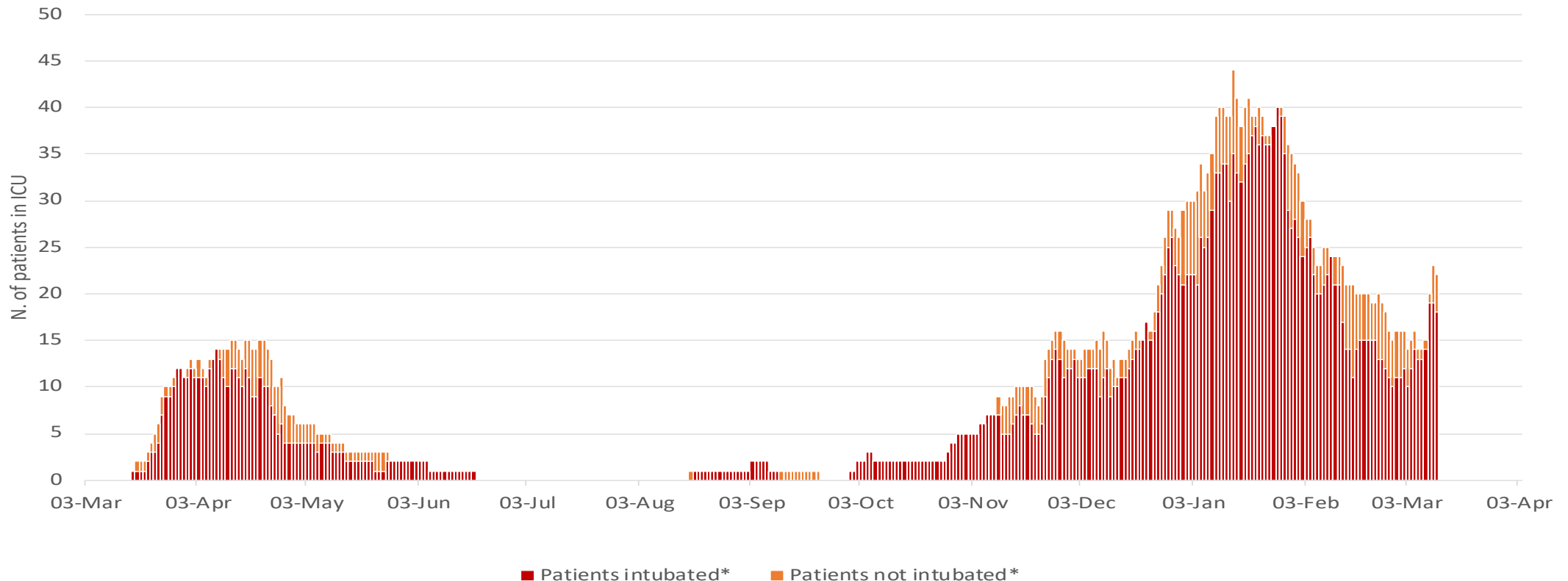
# Number of cases by date of hospital admission



7 day moving average on March 11<sup>th</sup> is shown on the graph

# Cases in intensive care units (ICU)\*

- Total: 199 (10,3% of all ever hospitalized patients) have ever been admitted to ICU – 22 currently in ICU (March 11<sup>th</sup>)

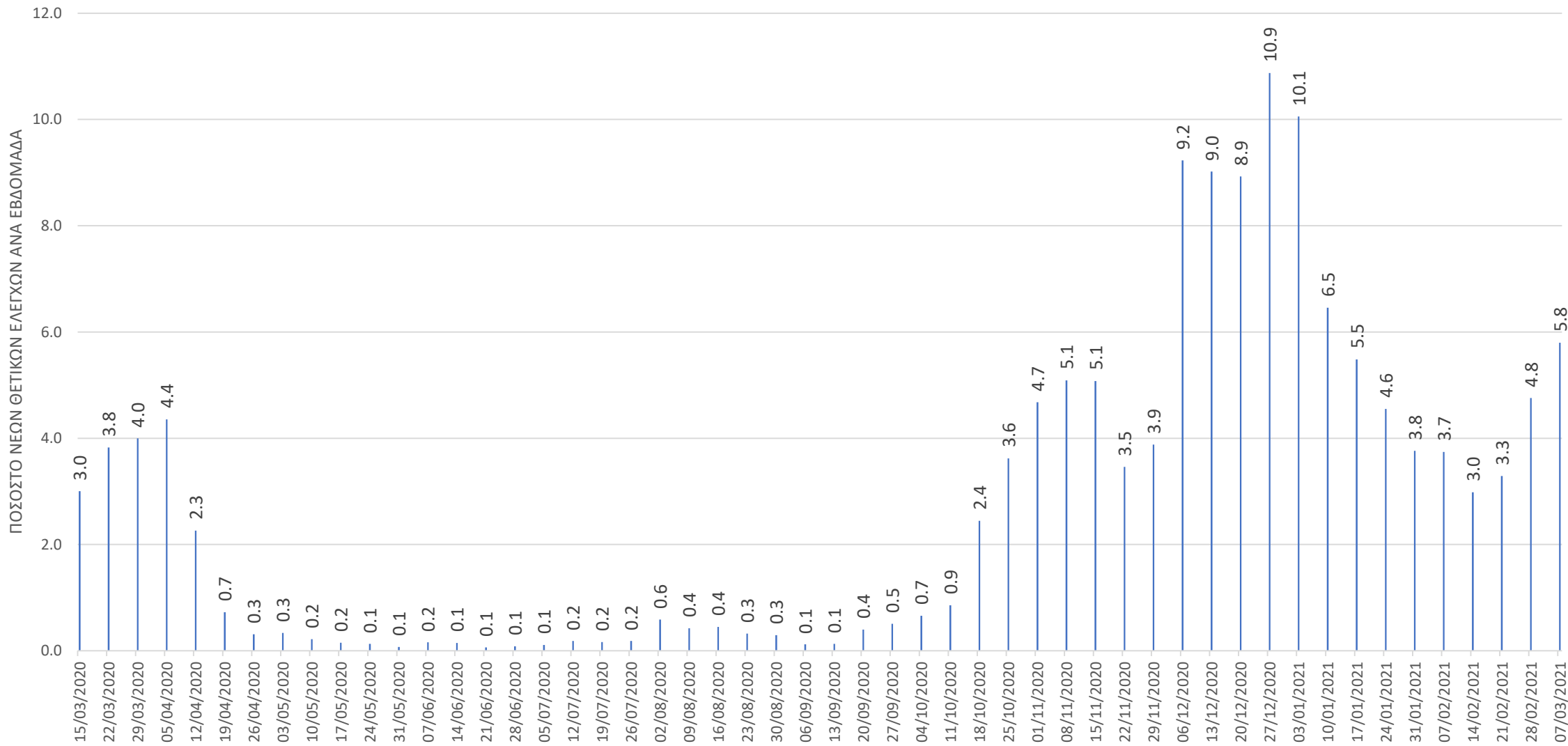


\*Intensive care unit (ICU) refers only to the ICU in Limassol General Hospital and ICU in Nicosia General Hospital  
*Date of discharge/transfer/death included*

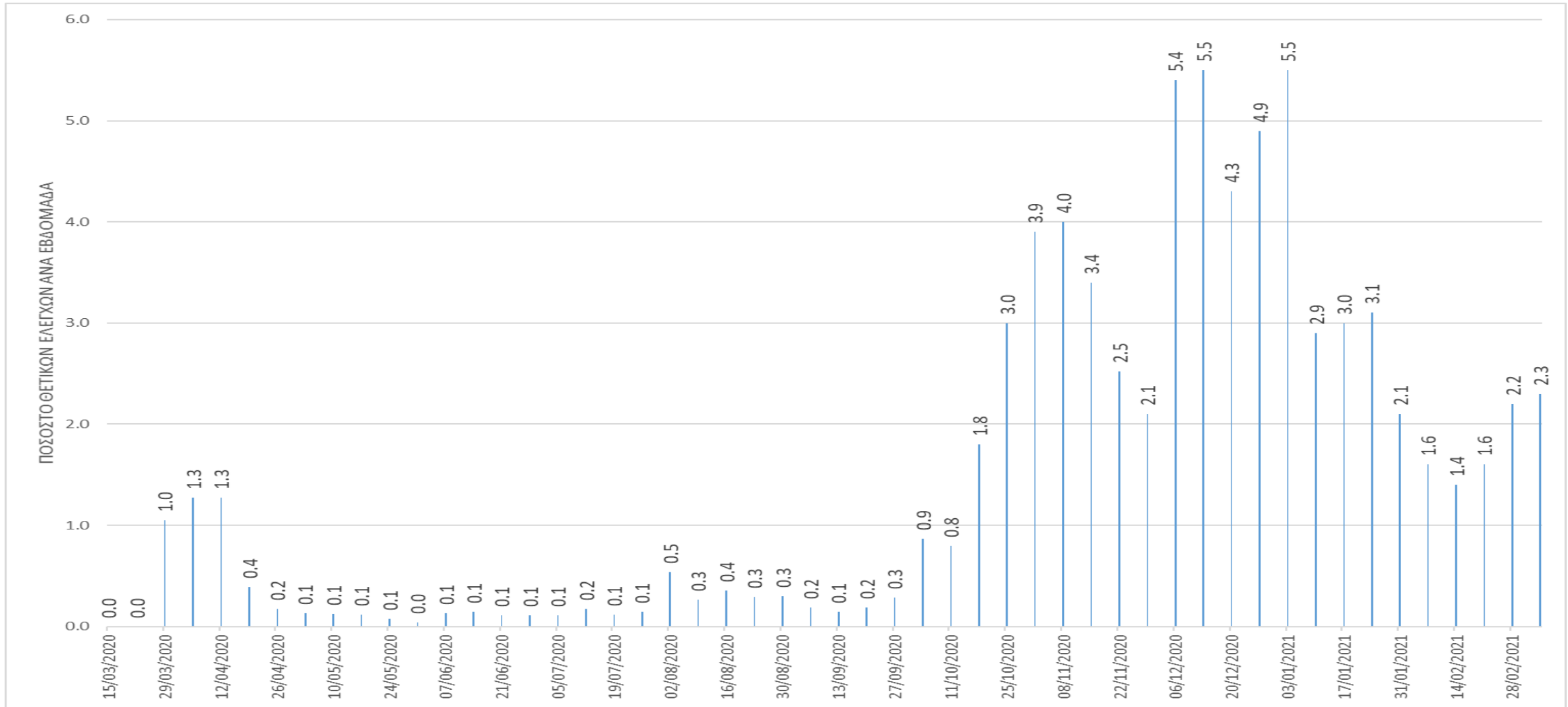
# Molecular tests and antigen rapid tests

	<b>Molecular tests (as announced by the Ministry of Health)</b>	<b>Antigen rapid tests (Ministry of Health)</b>
<b>Total overall</b>	886,670	1,843,384
<b>Tests/100.000</b>	99,850.2	207,588.3
<b>Total (Last 14 days)</b>	39,725	552,215
<b>Last 14 days/100.000</b>	4,473.5	58,808.0

# Percentage of new laboratory tests (molecular) with a positive result (all labs), per week

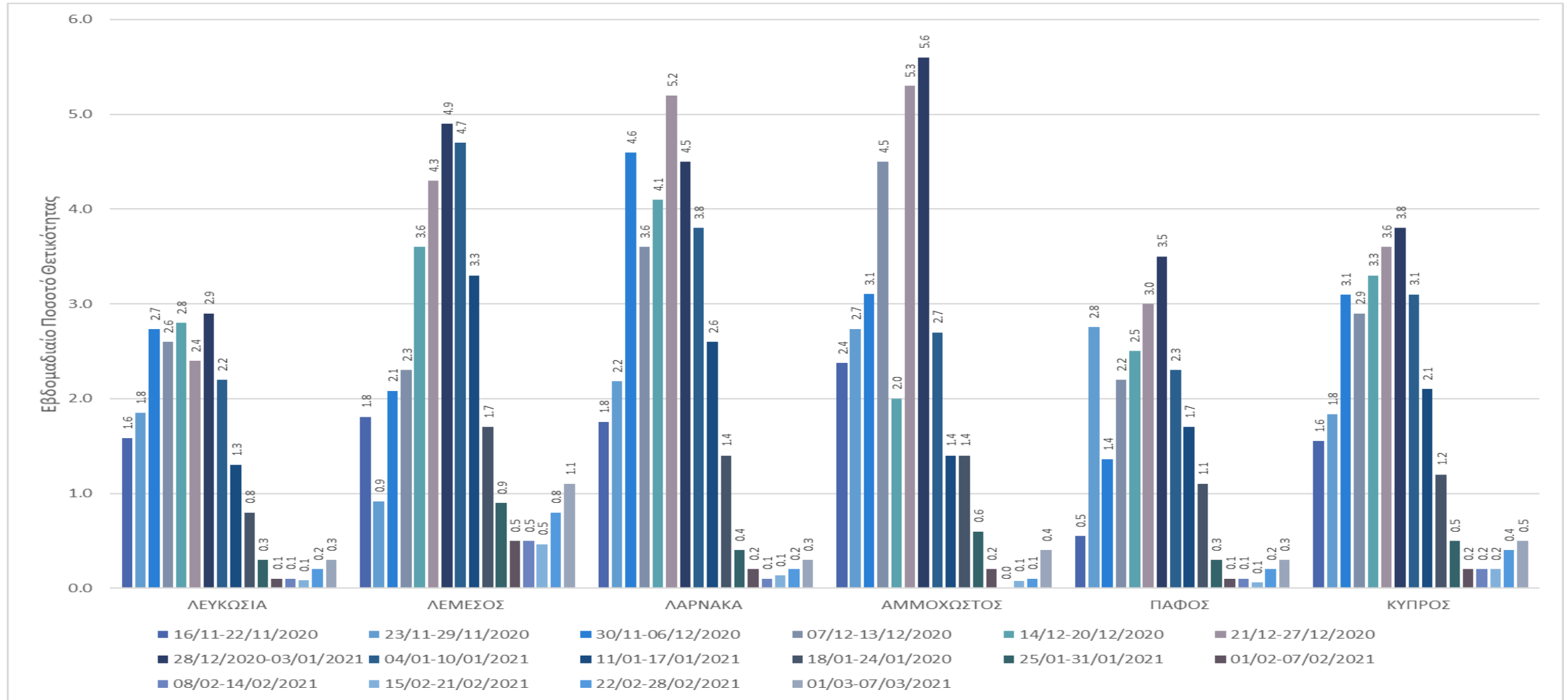


# Percentage of laboratory tests (molecular) with a positive result (private sector), per week



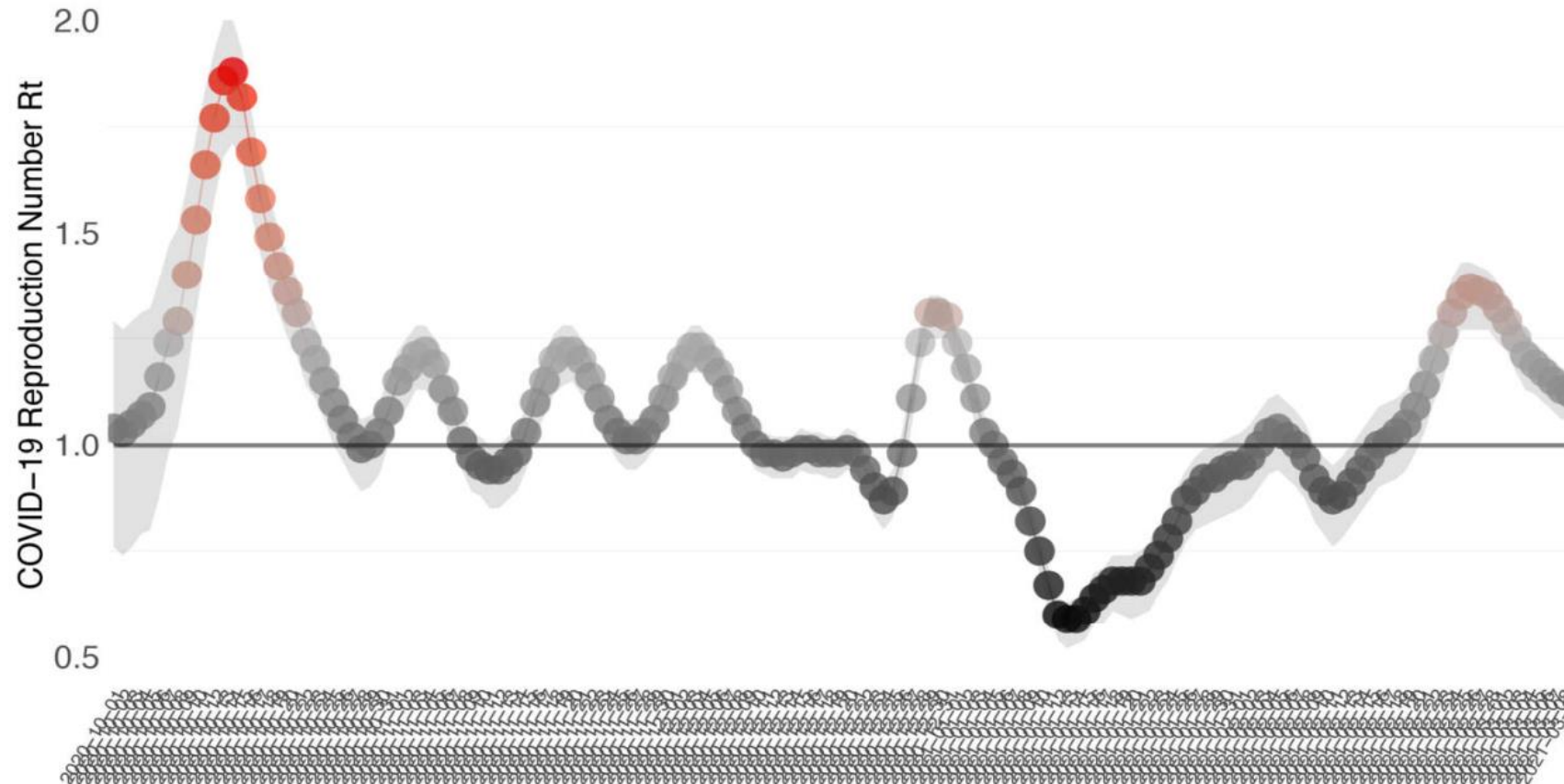


# Rapid antigen tests (Ministry of Health) – percentage (weekly) with a positive result (overall and by district)



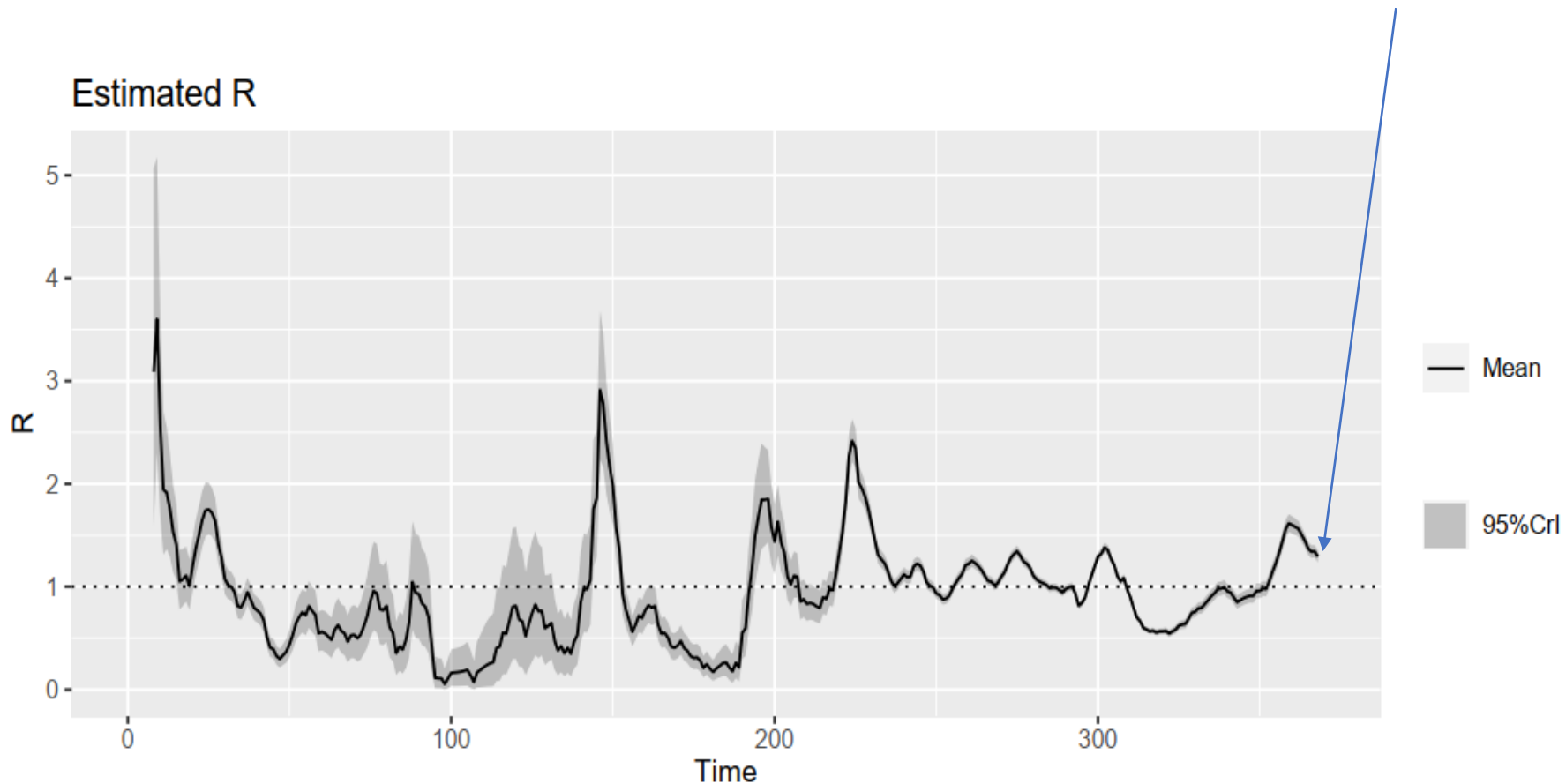
# Effective reproduction number ( $R_t$ ) – Method A

$R_t$  2 – 9 Mar: 1.18 (1.12 - 1.24)

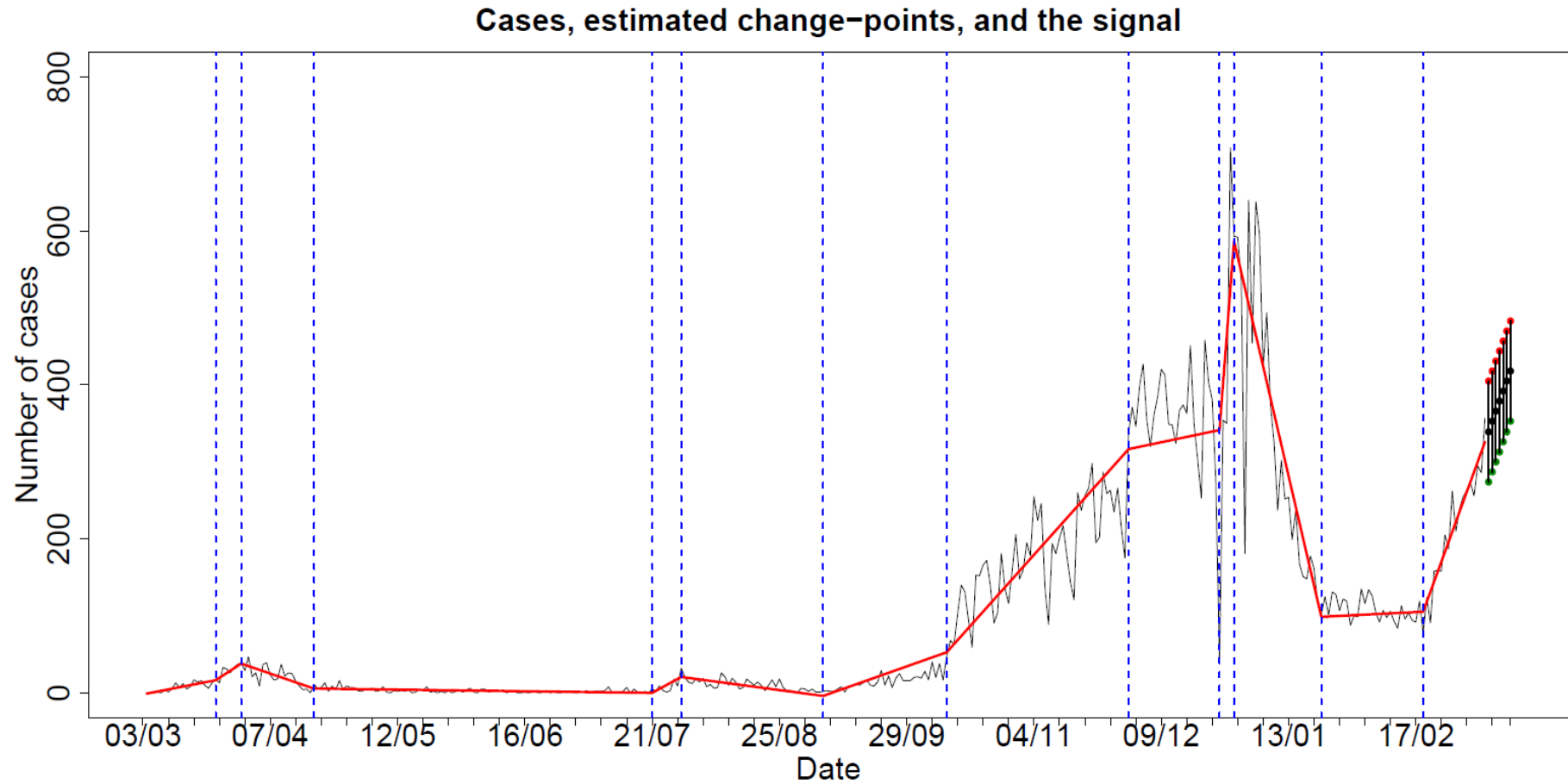


# Effective reproduction number ( $R_t$ ) – Method D (Locally-acquired cases)

$R_t$  2 - 9 Mar: 1.29 (1.24 - 1.35)



# Change-point analysis and predictions



# **Mathematical Modeling of COVID-19 Pandemic**

## **Research Team**

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# Laboratory tests for SARS-CoV-2

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