

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

**Surveillance Report as of 11/08/2020**

Nicosia 13/08/2020

# Data in brief (as of 11/08/2020)

<b>Laboratory-confirmed cases</b>	<b>Locally-acquired (%)</b>	<b>Recovered<sup>§</sup> (%)</b>	<b>Deaths (%)</b>
<b>1,278</b>	<b>855/1,119 (76.4%)</b>	<b>878 (70.2%)</b>	<b>27 (2.1%)</b>

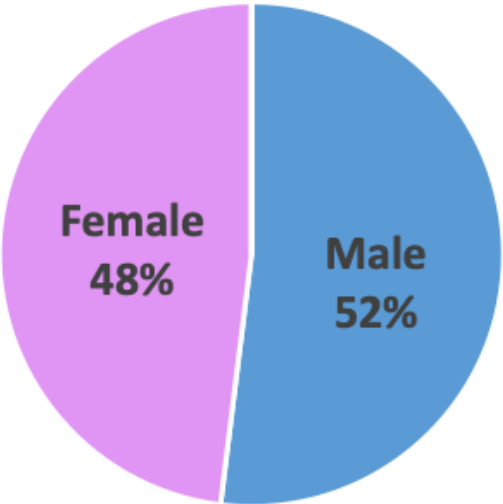
*§Among cases alive*

<b>Hospital care / currently (%)</b>	<b>Currently in Intensive Care Unit*</b>
<b>196 (15.3%) / 6 (3.1%)</b>	<b>0</b>

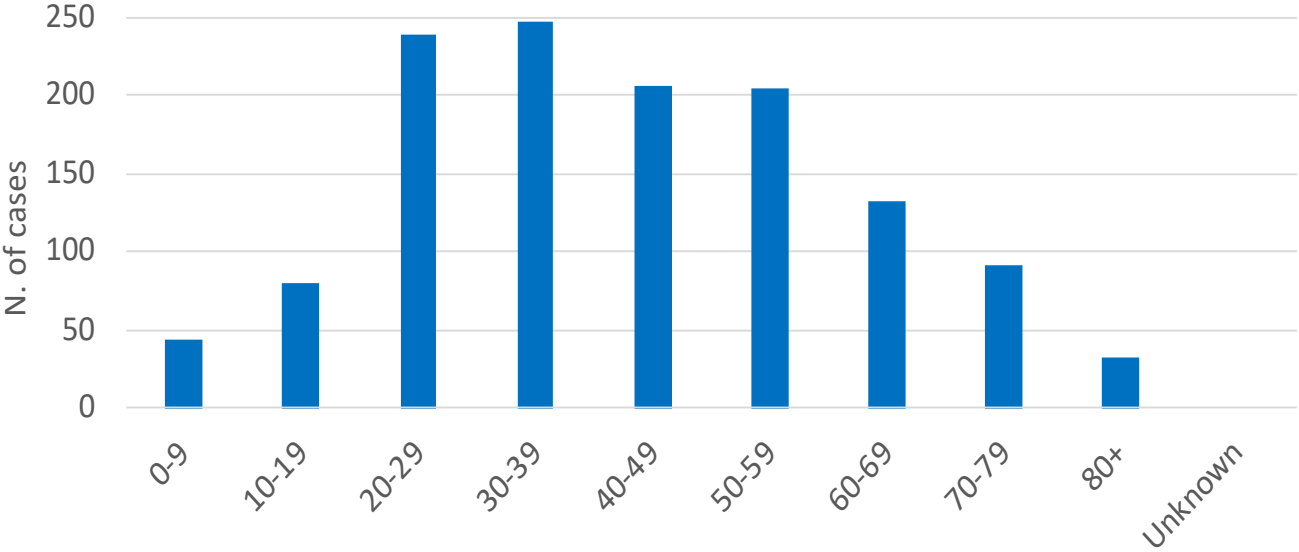
*\*Date of discharge/transfer/death included*

# Distribution of cases by sex and age groups

Sex

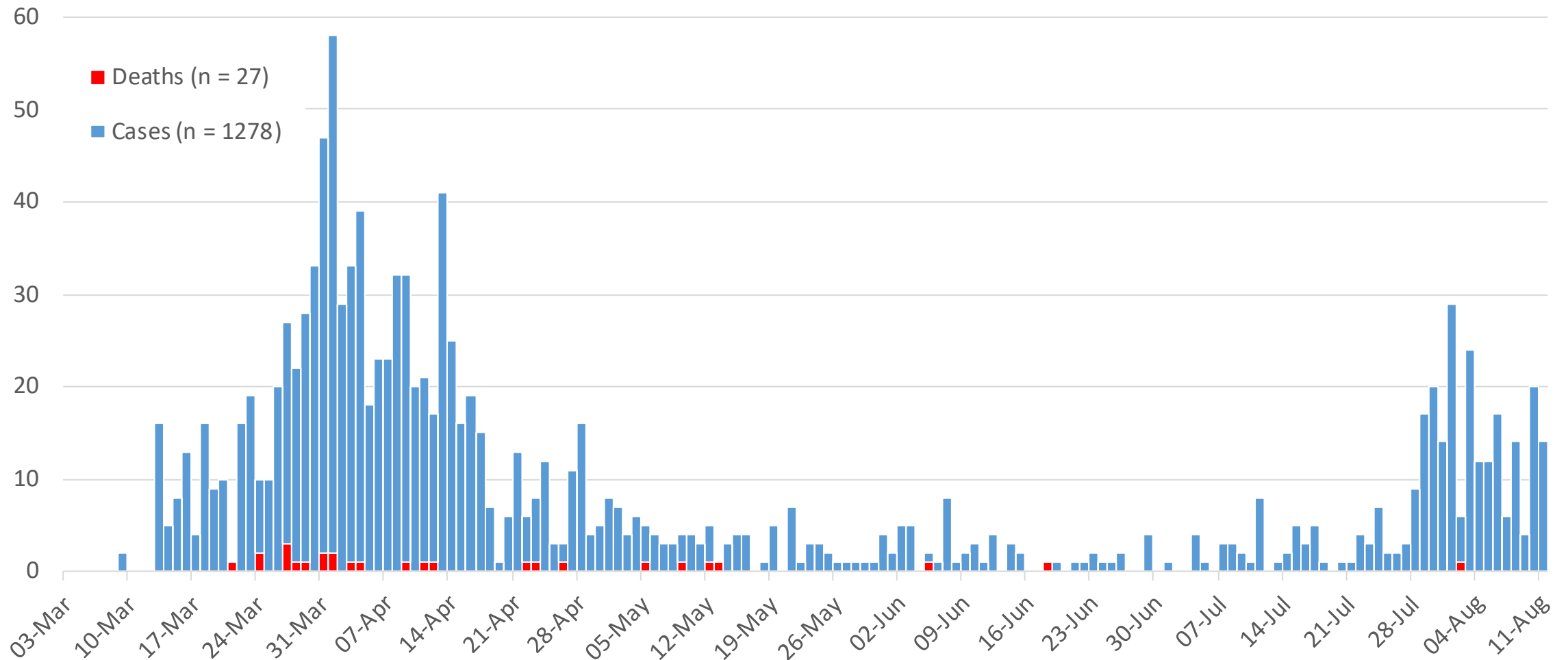


Age groups

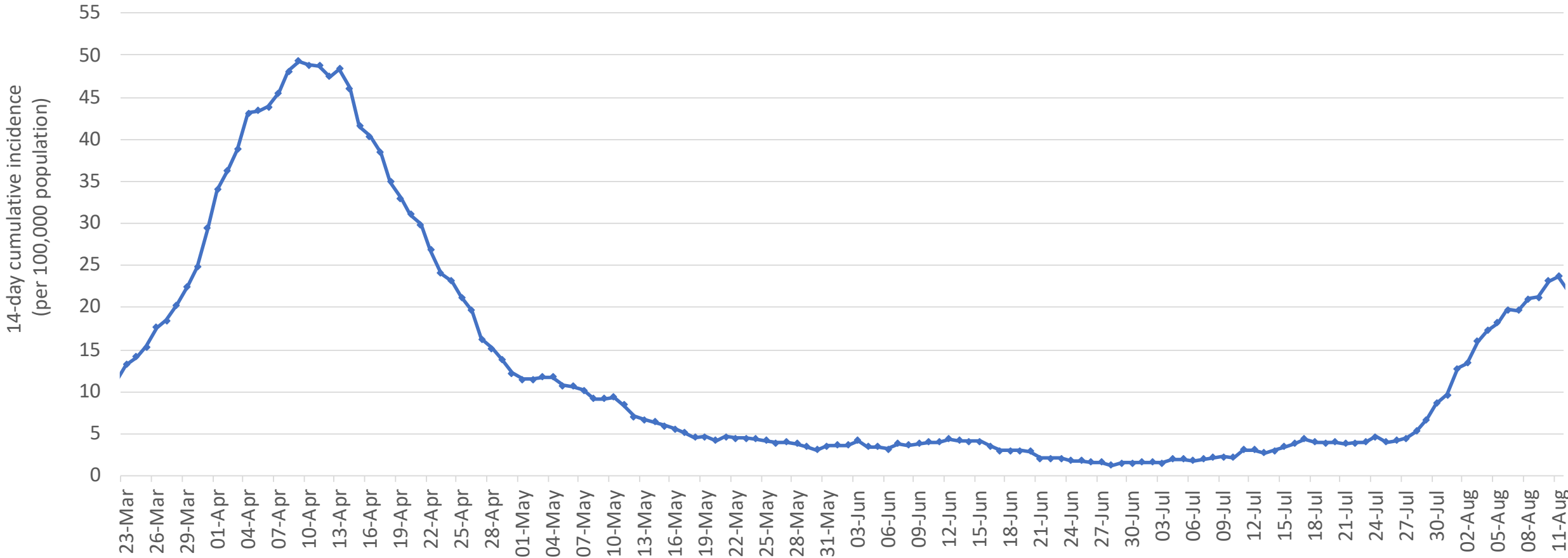


Median age: 41 years (interquartile range: 28-57 years)

# Laboratory-confirmed cases and deaths by date of reporting

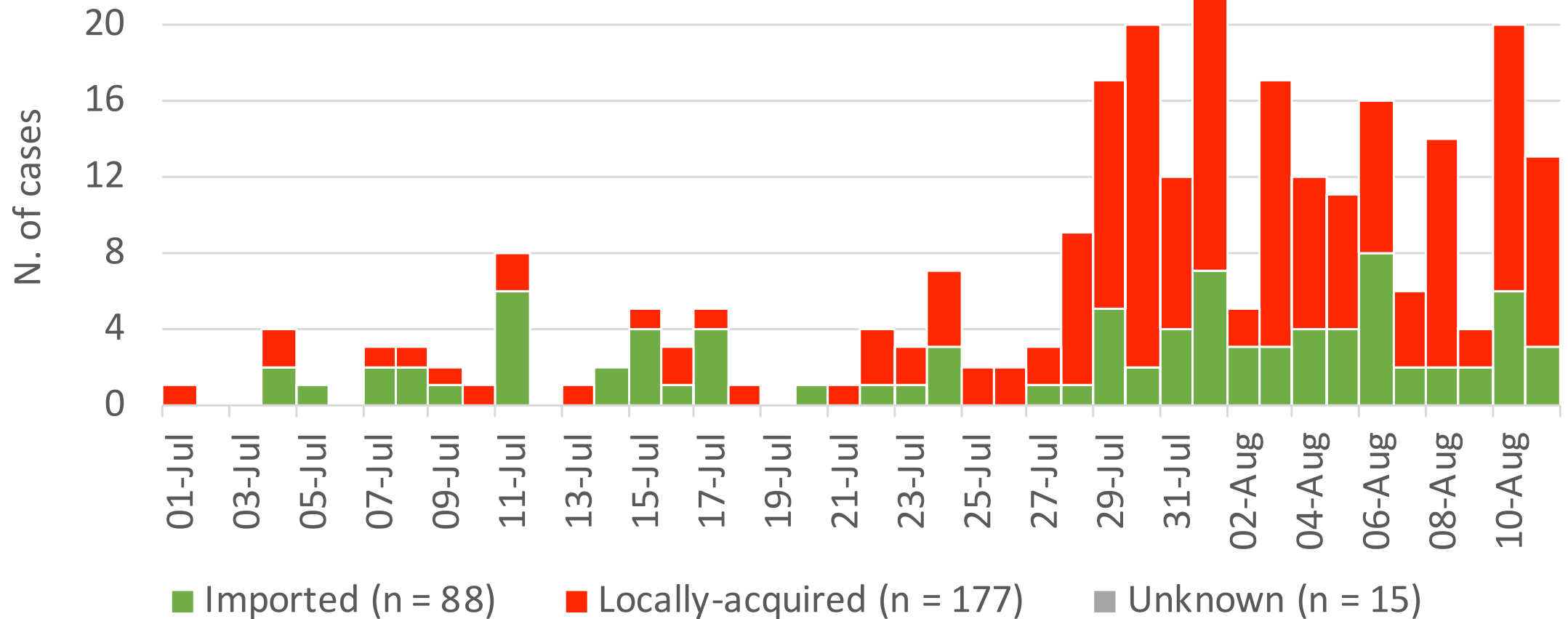


# COVID-19 14-day cumulative incidence rate per 100,000 population (proxy of COVID-19 prevalence)



*March 23<sup>rd</sup>: 14 days since the first reported case*

# COVID-19 cases by origin of infection, since July 1<sup>st</sup>

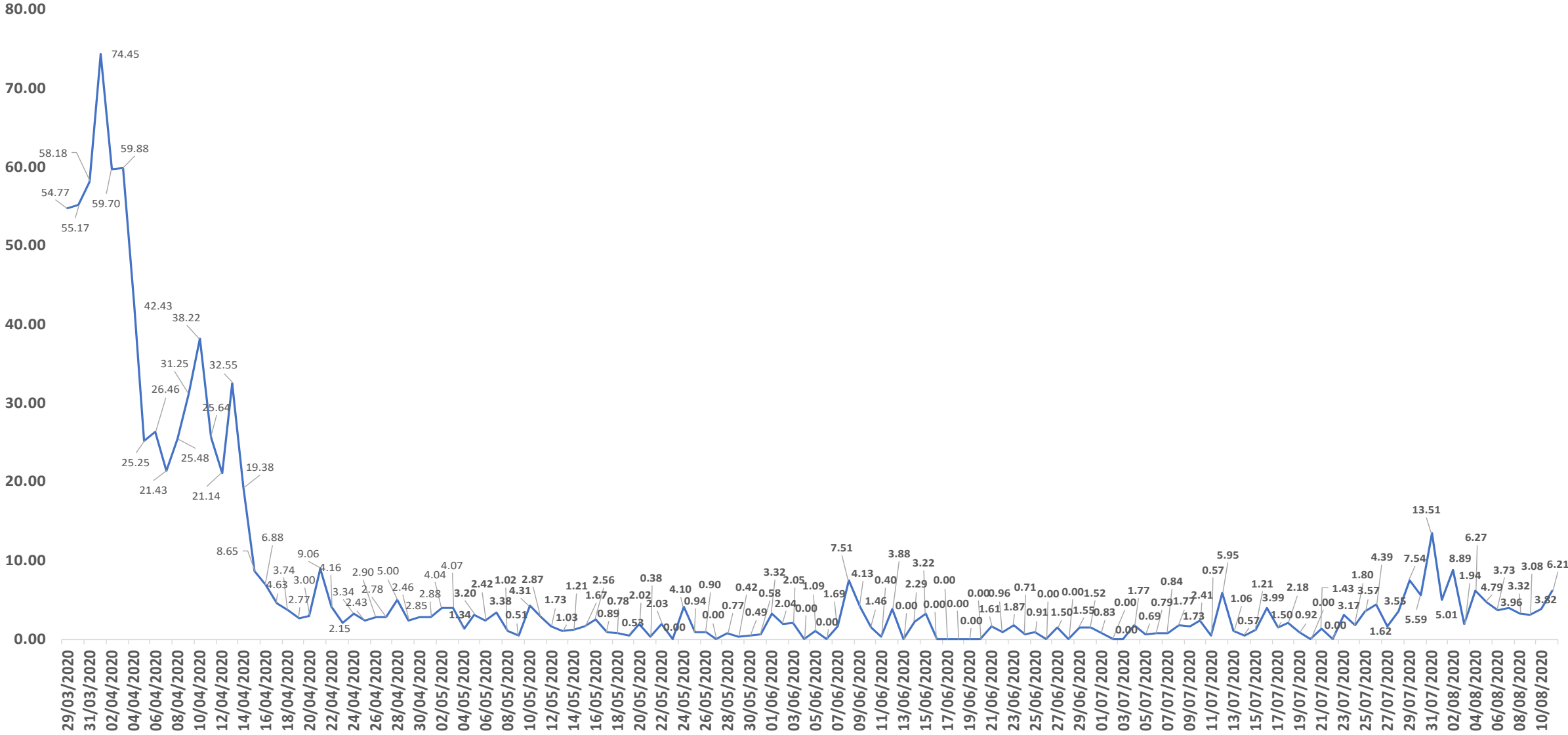


# COVID-19 cases characteristics, since July 1<sup>st</sup>

Characteristics	Total (n = 280)		Imported (n = 88)		Locally-acquired (n = 177)		Unknown (n = 15)	
	N	%	N	%	N	%	N	%
Sex								
Male	153	54.6	55	62.5	90	50.8	8	53.3
Female	127	45.4	33	37.5	87	49.2	7	46.7
Age groups (years)								
0-9	12	4.3	1	1.1	10	5.6	1	6.7
10-19	31	11.1	7	8.0	21	11.9	3	20.0
20-29	88	31.4	43	48.9	40	22.6	5	33.3
30-39	52	18.6	20	22.7	29	16.4	3	20.0
40-49	41	14.6	11	12.5	30	16.9	0	0.0
50-59	31	11.1	4	4.5	26	14.7	1	6.7
60-69	18	6.4	1	1.1	16	9.0	1	6.7
70-79	6	2.1	1	1.1	4	2.3	1	6.7
80+	1	0.4	0	0.0	1	0.6	0	0.0
Median age in years (IQR*)	30.5 (23-46)		28 (24-35)		35 (23-50)		27 (19-37)	
District								
Ammochostos	17	6.1	7	8.0	10	5.6	0	0.0
Larnaka	75	26.8	11	12.5	57	32.2	7	46.7
Limassol	100	35.7	18	20.5	79	44.6	3	20.0
Nicosia	46	16.4	21	23.9	21	11.9	4	26.7
Pafos	12	4.3	4	4.5	7	4.0	1	6.7
Other	30	10.7	27	30.7	3	1.7	0	0.0
Symptoms at diagnosis								
Yes	134	47.9	22	25.0	107	60.5	5	33.3
No	142	50.7	63	71.6	69	39.0	10	66.7
Unknown	4	1.4	3	3.4	1	0.6	0	0.0

IQR: interquartile range

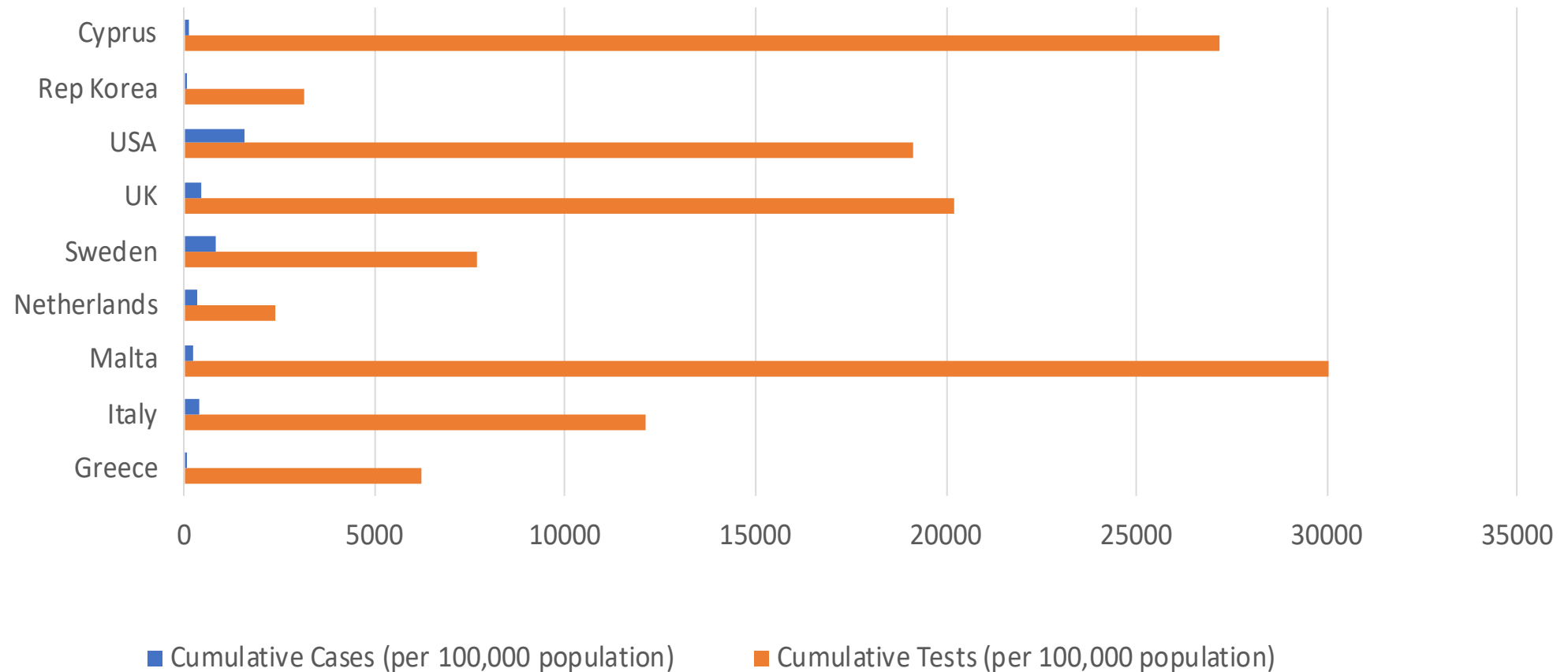
# COVID-19 cases per 1000 diagnostic tests\*



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

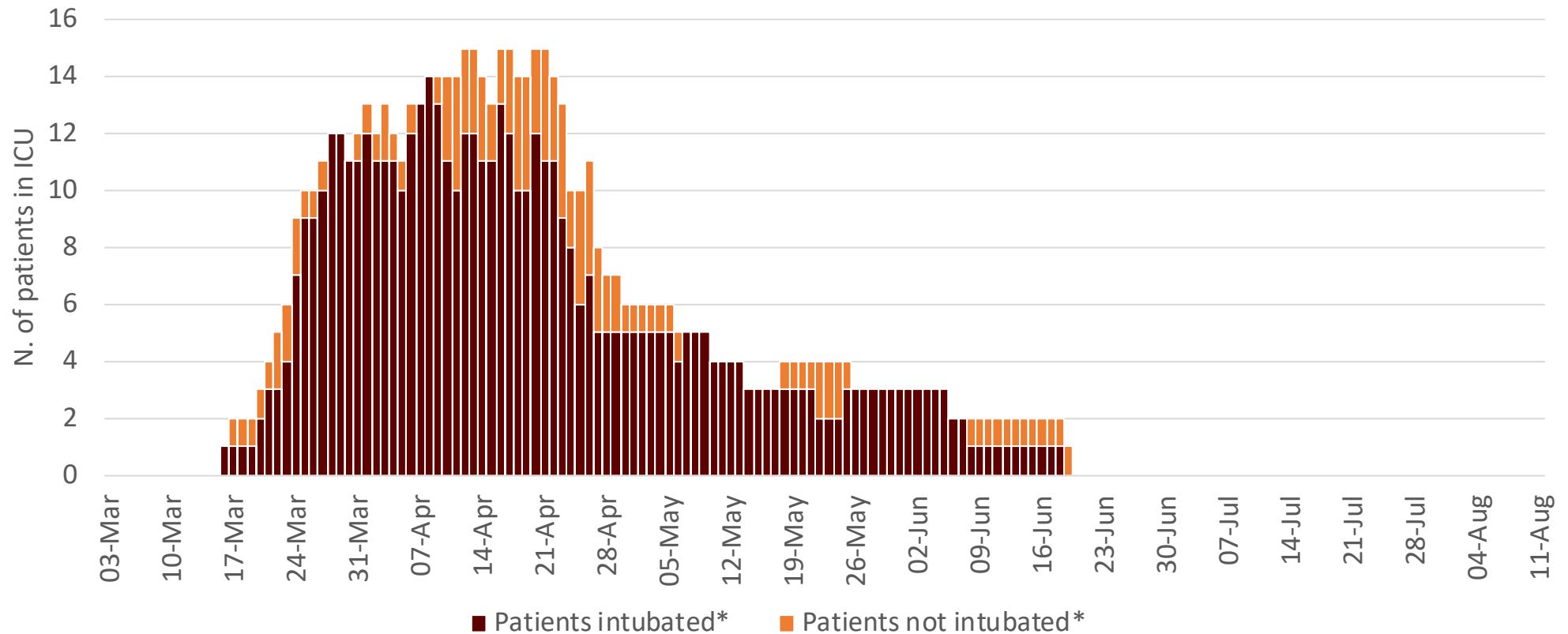


# Comparison with other countries - cases and tests (as of 11/08/2020)



# Cases in intensive care units (ICU)\*

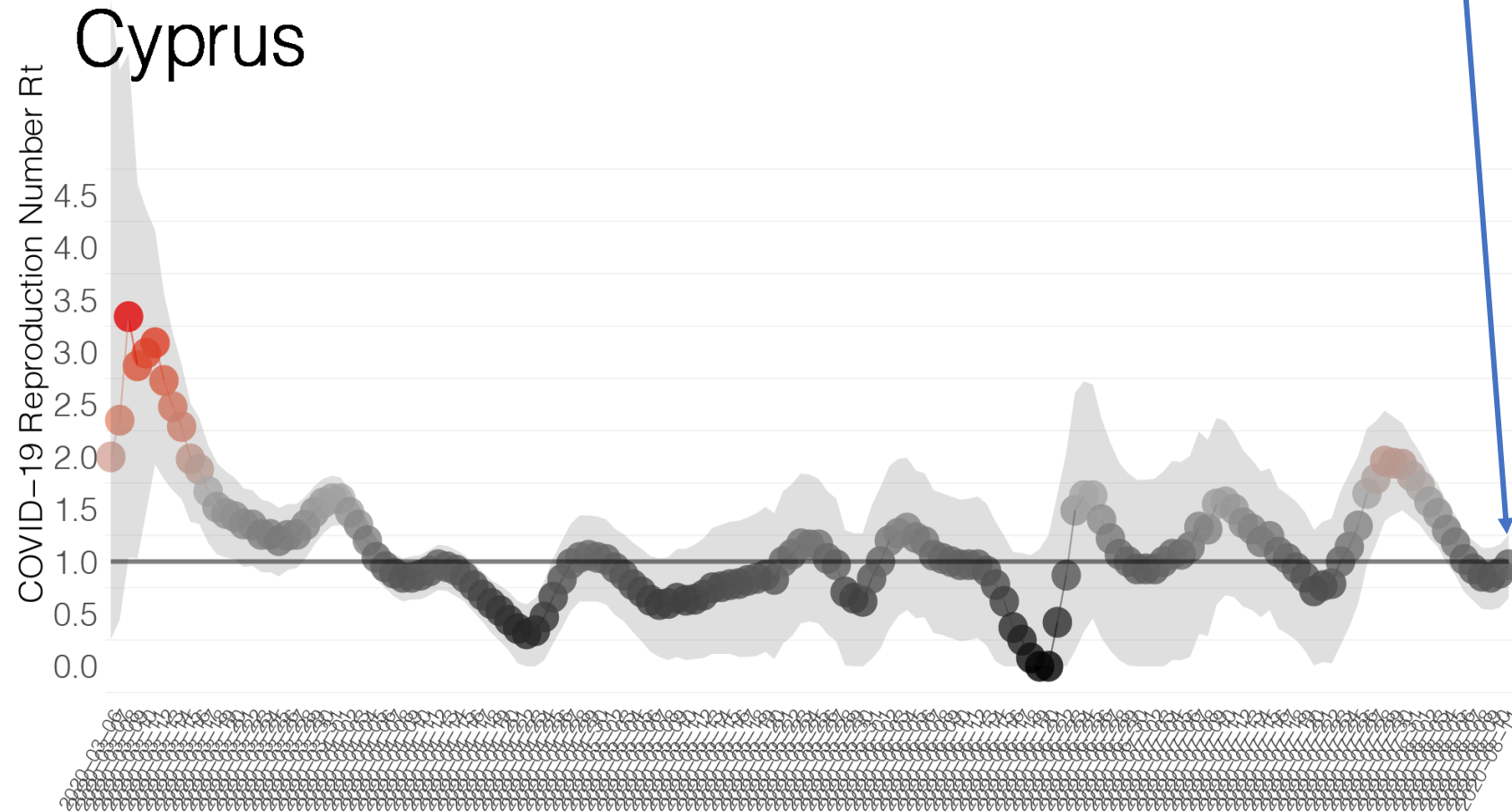
- 32 (2.5% of all cases) have ever been admitted to ICU



\*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*

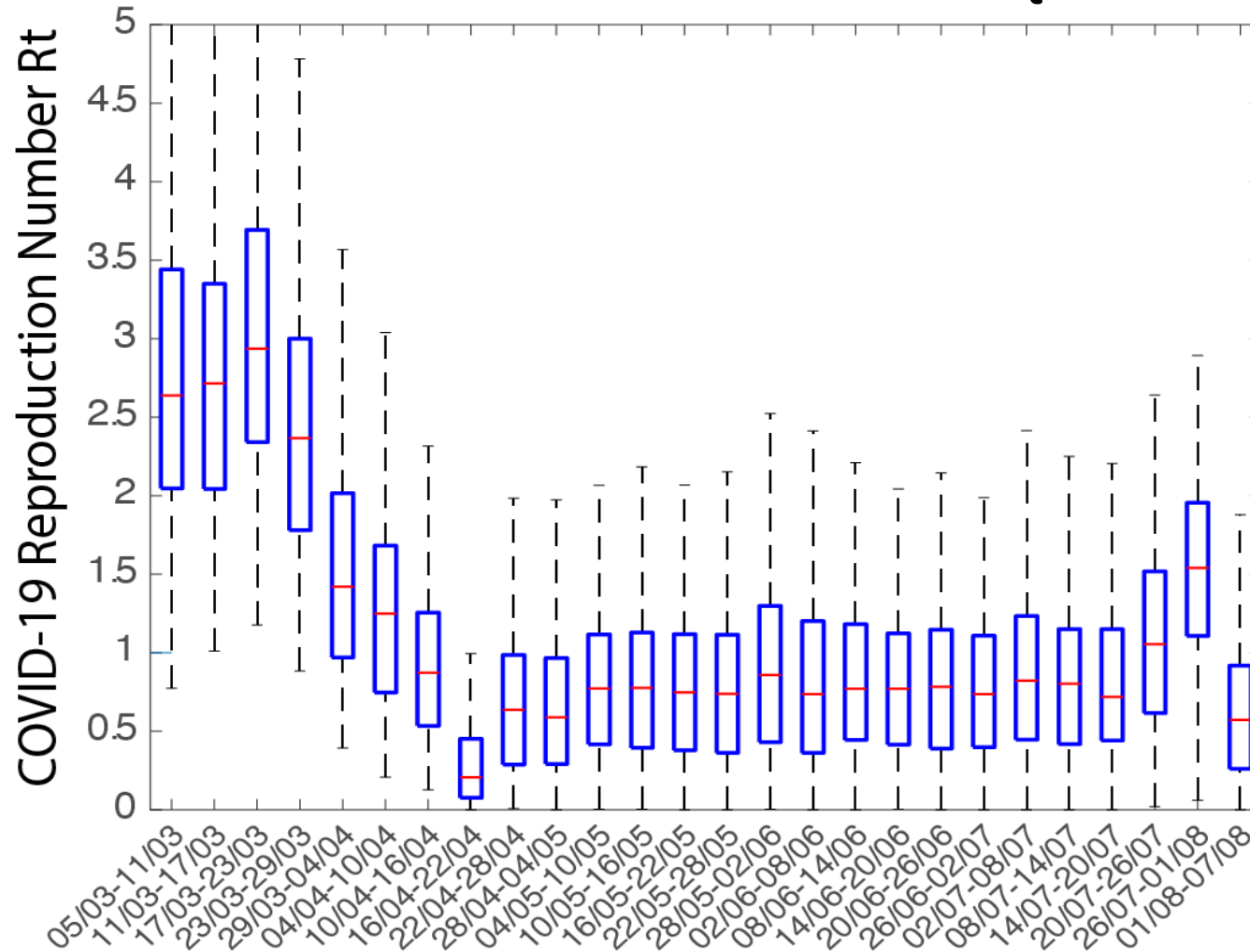
# Effective reproductive number ( $R_t$ ) – Method A

$R_t$  11 Aug: 0.97 (0.65 – 1.25)



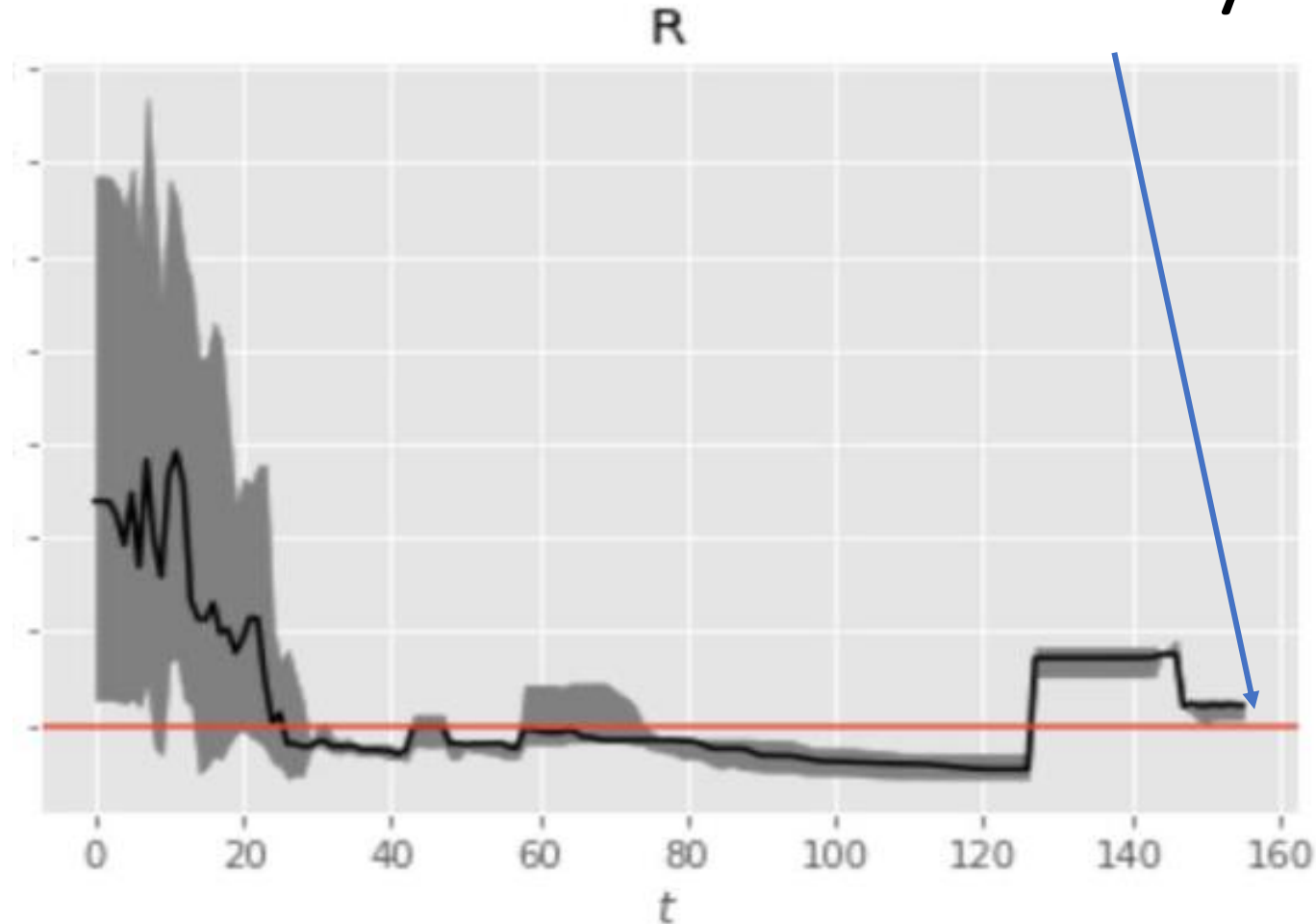
# Effective reproductive number (Rt) – Method B

R<sub>t</sub> 01 – 07 Aug: 0.65



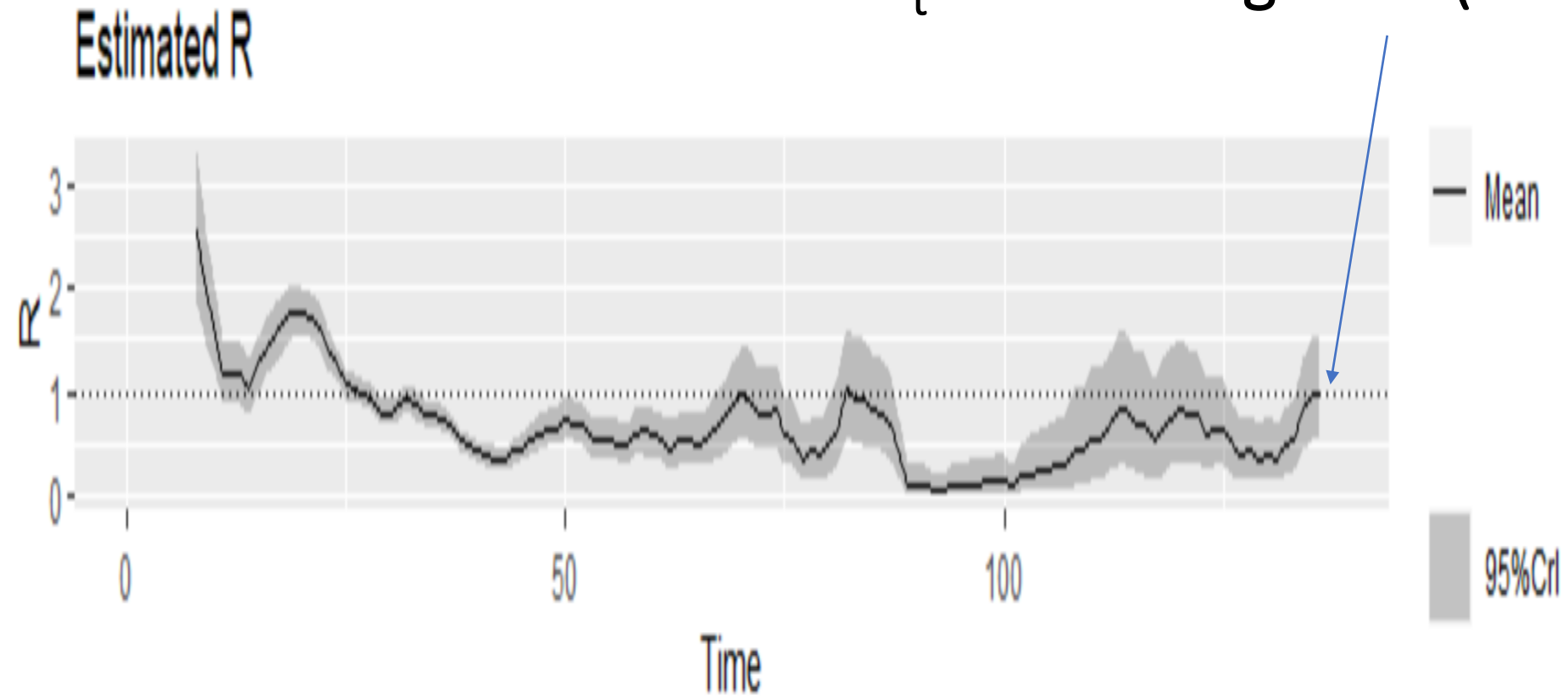
# Effective reproductive number ( $R_t$ ) – Method C

$R_t$  recent days: 1.2 (90% credibility interval for the last day 0.97-1.32)

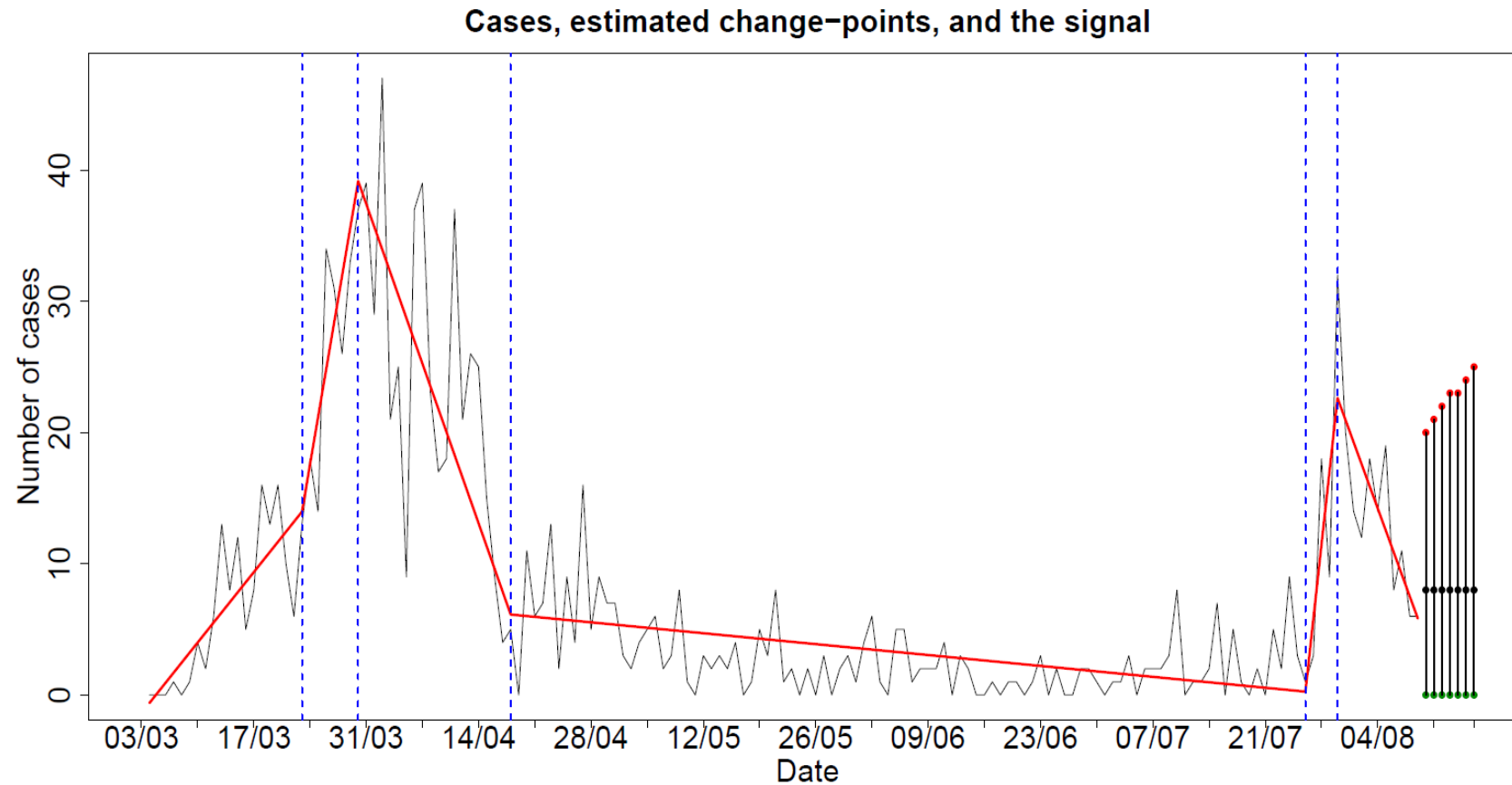


# Effective reproductive number ( $R_t$ ) – Method D

$R_t$  03 – 10 Aug: 0.96 (0.56-1.51)



# 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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