

Written by Administrator
Friday, 29 July 2022 12:53 -

Monitoring of wastewater in the Slovak Republic for the presence of SARS-CoV-2 virus was launched on 02.05. 2021 (i.e. 18th calendar week) and it is performed regularly on a weekly basis in each region of the Slovak Republic. From January 2022, we gradually started the second phase of the wastewater monitoring project, where monitoring is being expanded in several districts. So far, 62 WWTPs have participated in the Slovak Republic.

The presence of virus in wastewater samples is determined by RT-PCR and digital dd-PCR. Samples are taken in cooperation with individual operators of wastewater treatment plants, regional public health authorities and investigated in the NRC at the Public Health Authority of Slovak Republic.

By the 29th calendar week, a total of 1735 samples were examined by a qualitative and quantitative method, of which 1694 (97,64 %) samples were positive or with limit values.

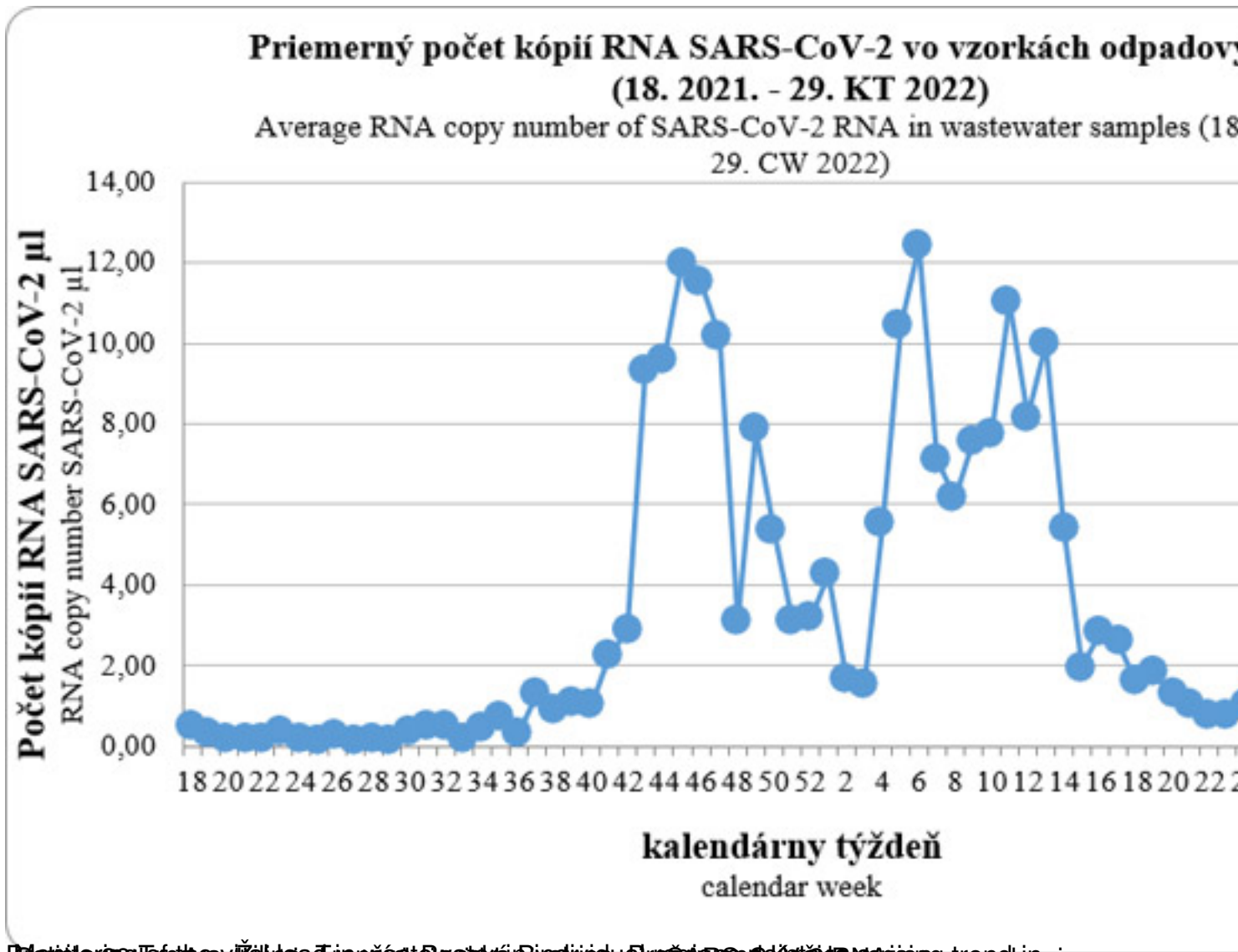
On the 29th calendar week of 2022, the SARS-CoV-2 virus was detected in 57 examined samples.

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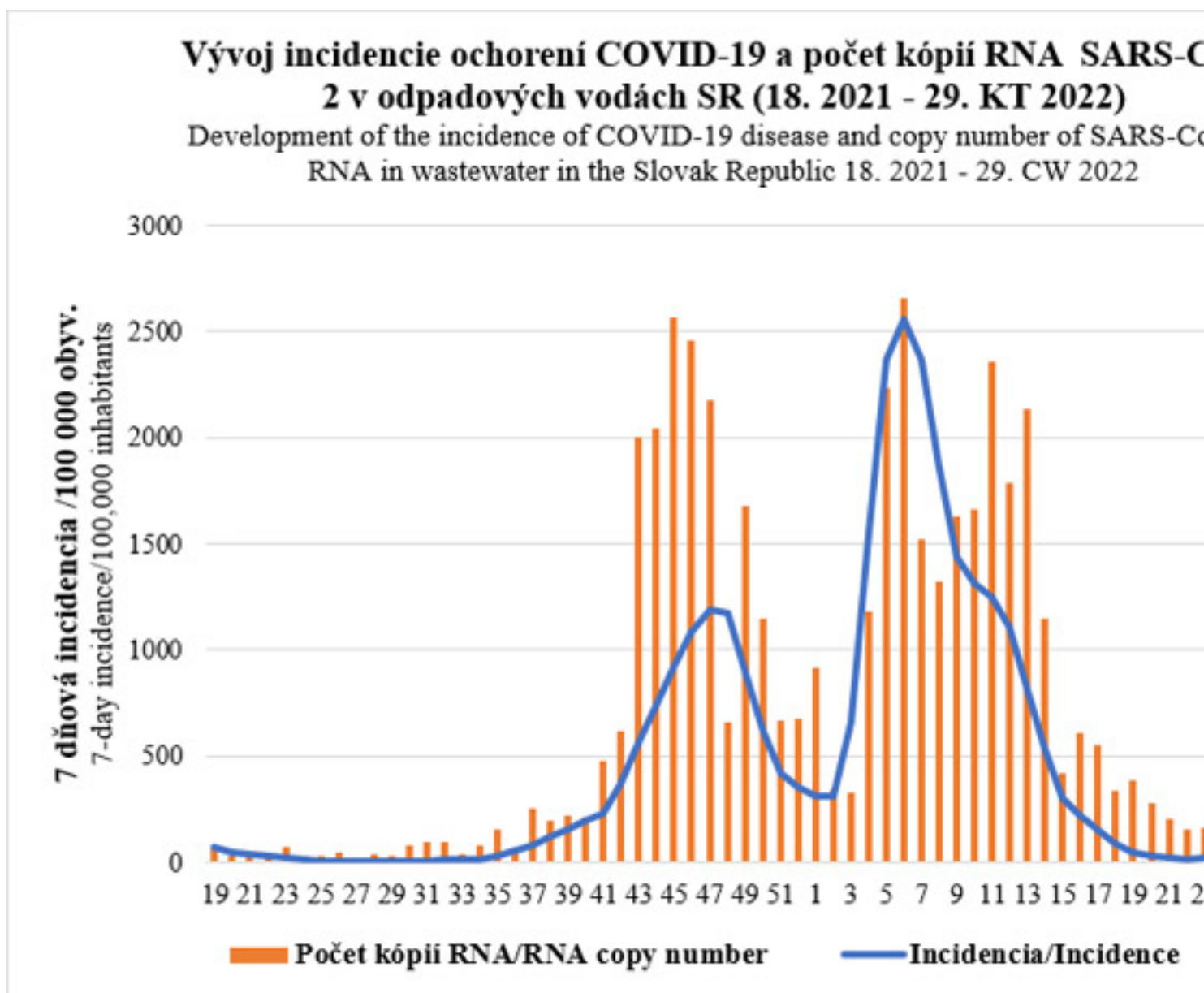
On the 29th of July 2022, we noticed an increase in quantitative tests, which express the copy number of SARS-CoV-2 RNA.

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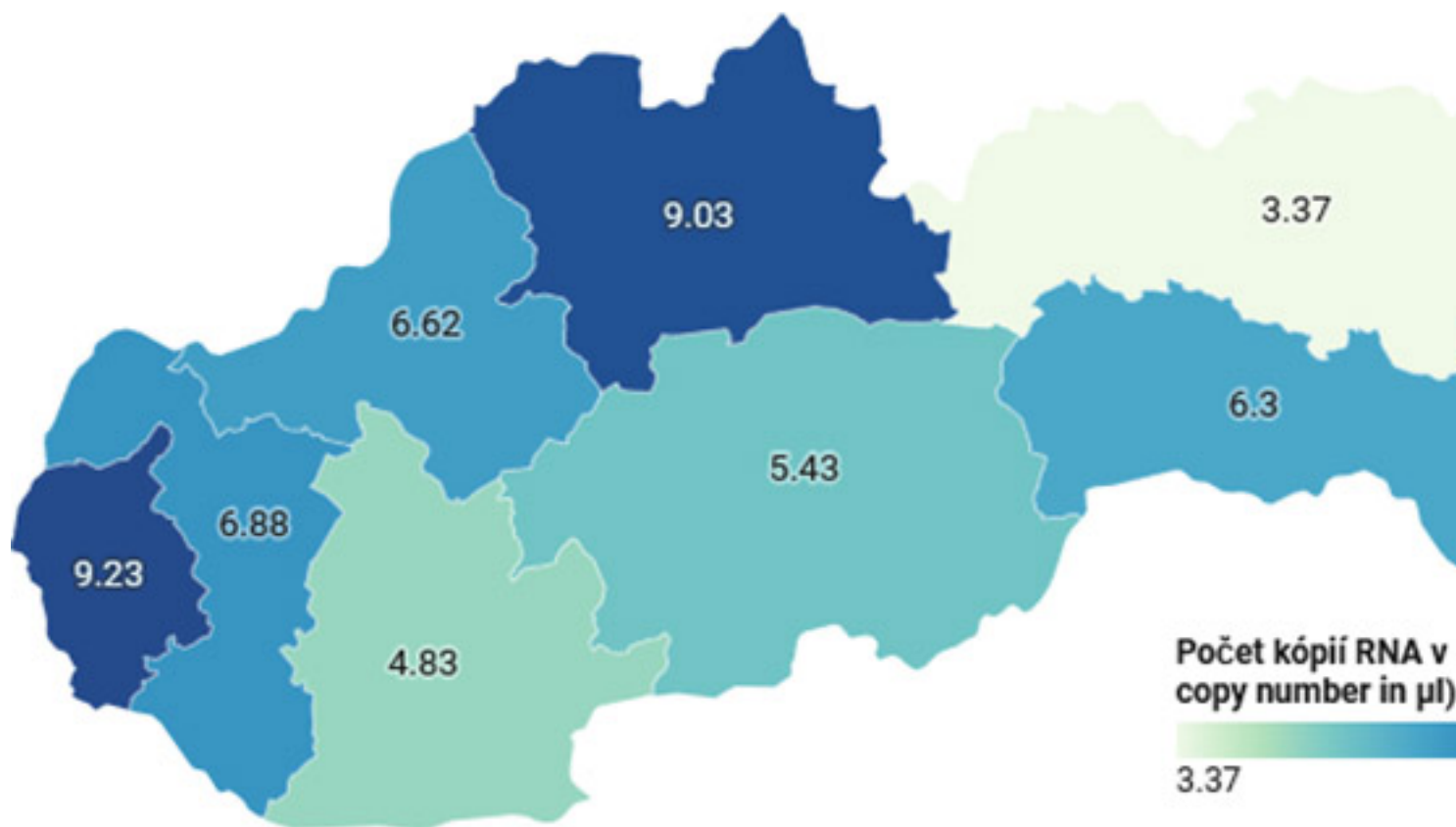
Monitoring of the daily average RNA copy number of SARS-CoV-2 in wastewater samples in the Slovak Republic

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SARS-CoV-2 v odpadových vodách v krajoch - 29. KT SARS-CoV-2 in wastewater in regions - 29th week 2022



Analyzované pomocou ddPCR (analyzed by ddPCR μl); Priemerný počet kópií v SR 6,41 μl (average copy number in SR 6,41 μl)

Source: NRC pre prevenciu a kontrolu NN, RÚVZ Trenčín, NRC pre mikrobiológiu ŽP ÚVZ SR Bratislava • Get

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Conclusion The analysis of the presence of SARS-CoV-2 virus in wastewater in Slovakia