

Written by Administrator
Friday, 26 August 2022 09:19 -

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 33rd calendar week, a total of 1962 samples were examined by a qualitative and quantitative method, of which 1919 (97,81 %) samples were positive or with limit values.

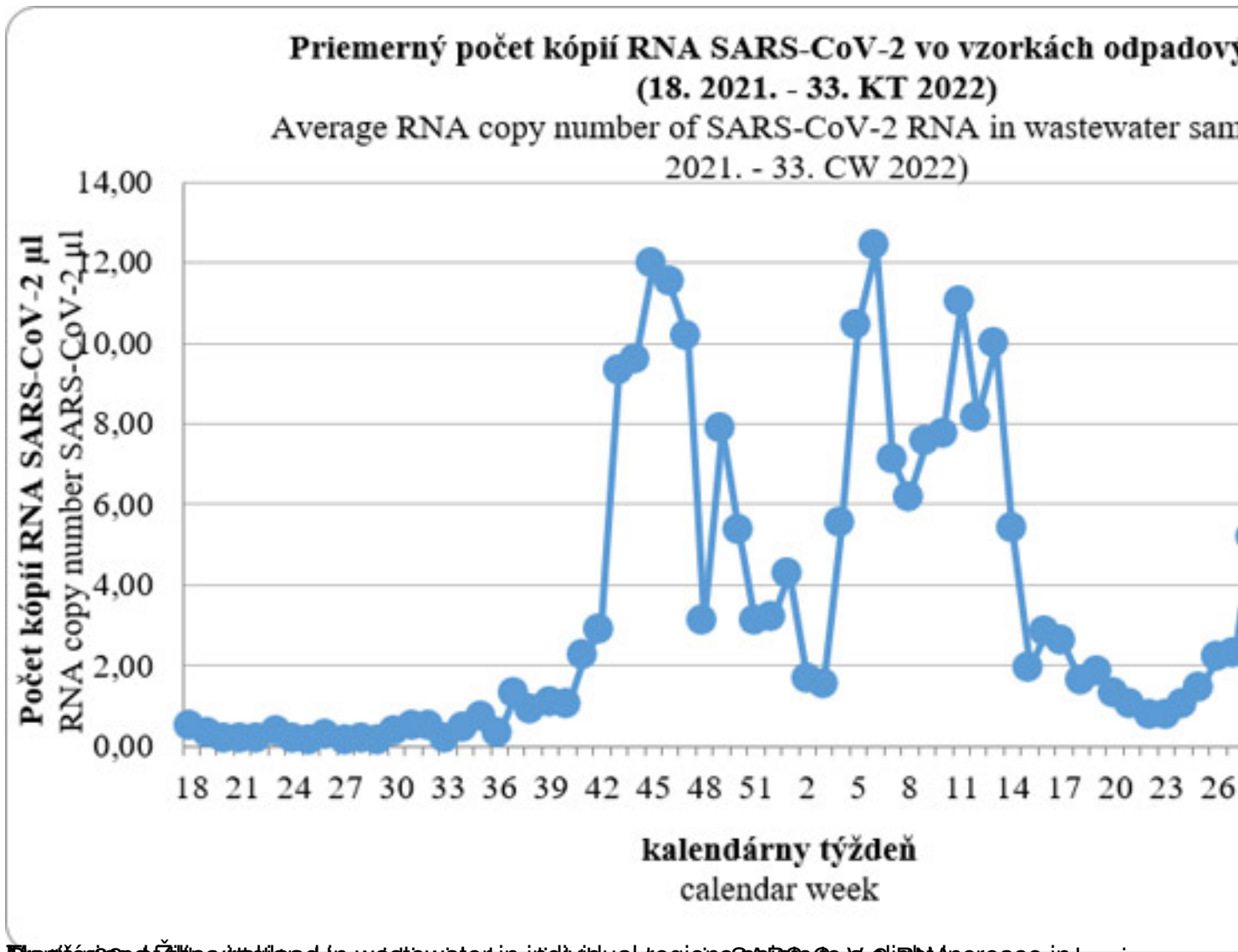
On 33rd calendar week 2022, 56 samples were examined. The presence of the SARS-CoV-2 virus was detected in all of them, of which 37 samples (66,07 %) showed an increase in the number of SARS-CoV-2 RNA copies, in the other 19 samples the number of copies remained unchanged or decreased.

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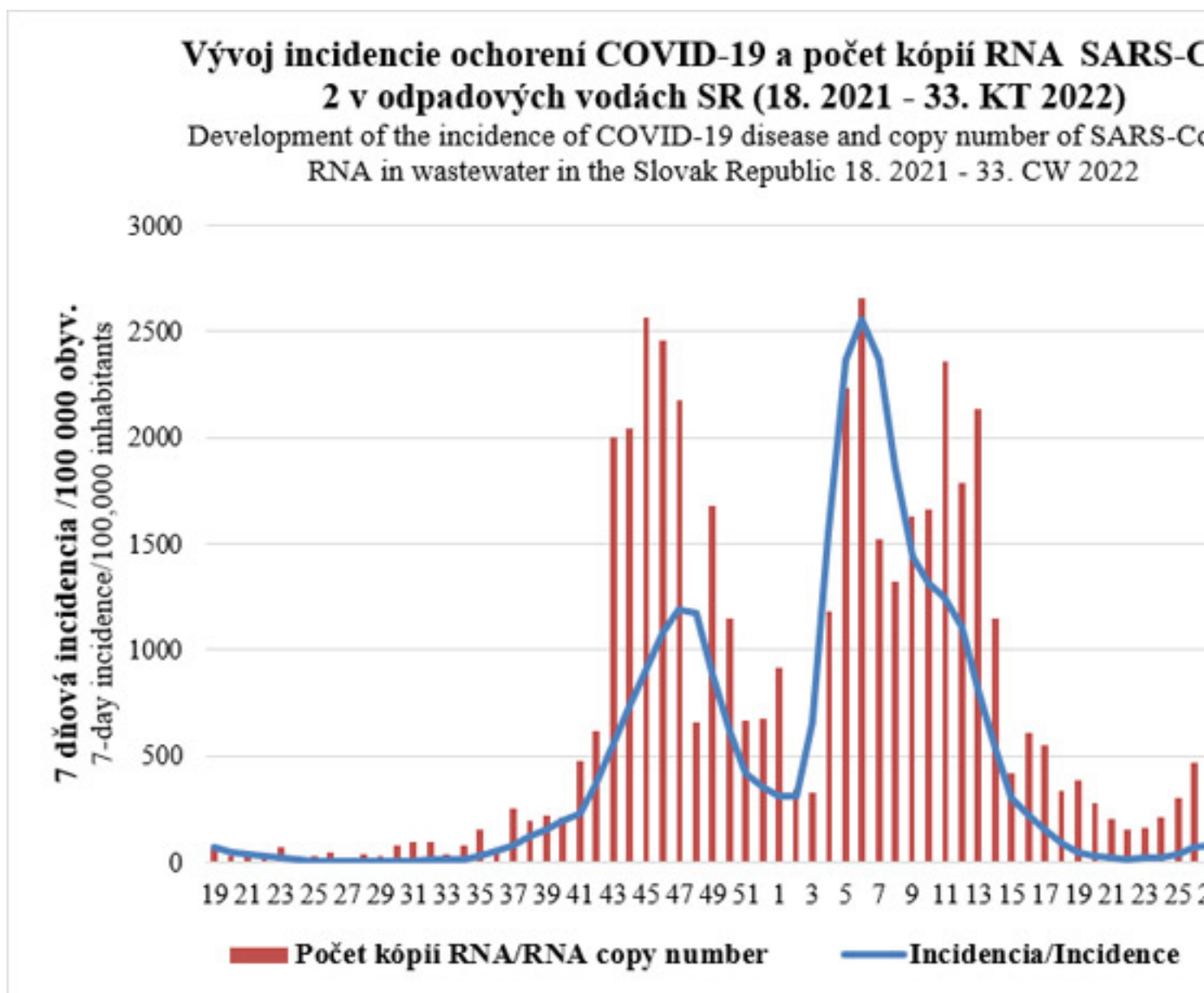
On the 33rd of August, we noticed a reduce slightly in quantitative tests, which express the

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Wastewater monitoring for the presence of SARS-CoV-2 virus in the Slovak Republic – progress on 33rd

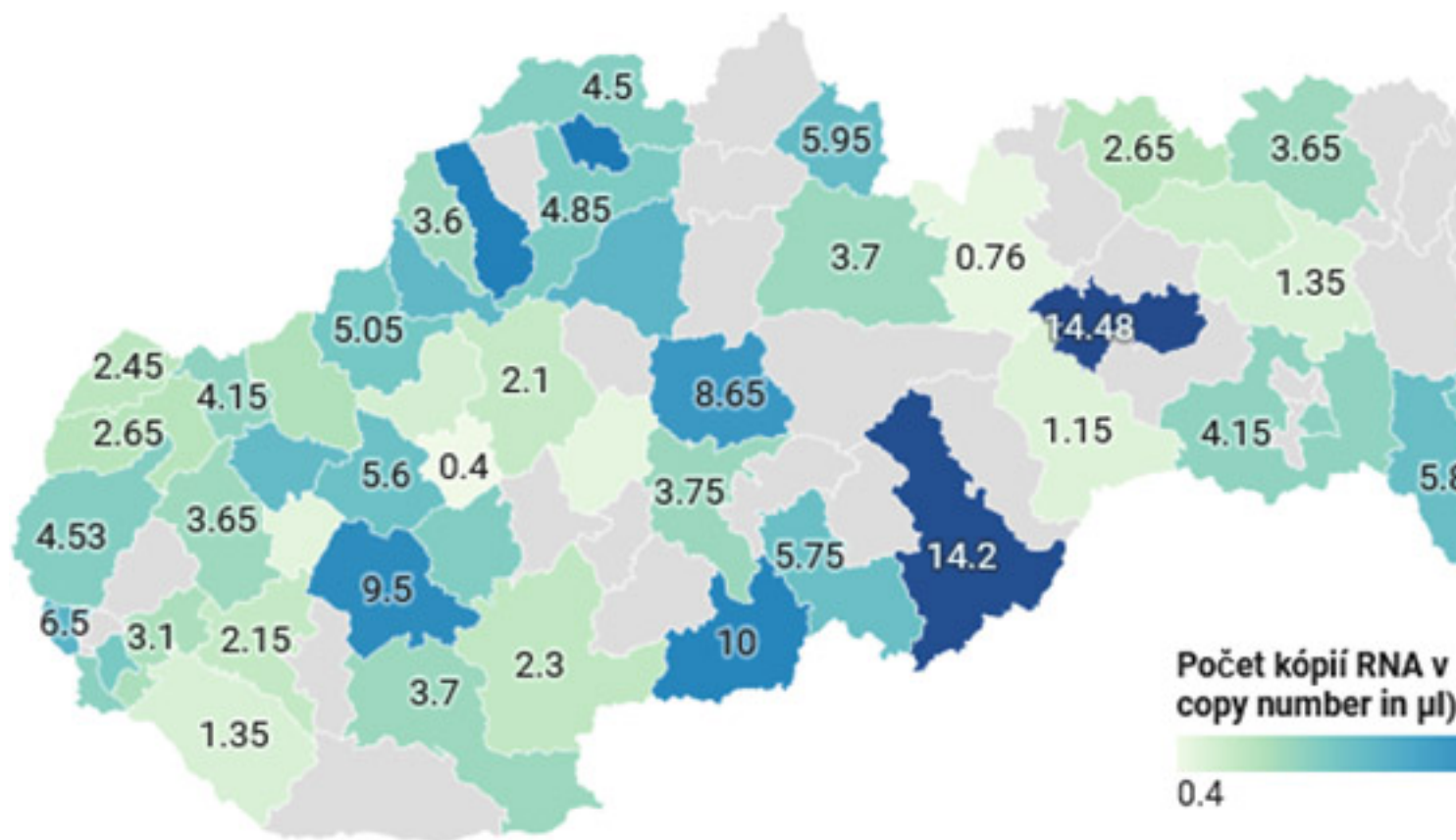
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SARS-CoV-2 v odpadových vodách v okresoch - 33. týždeň 2022

SARS-CoV-2 in wastewater in districts - 33rd week 2022

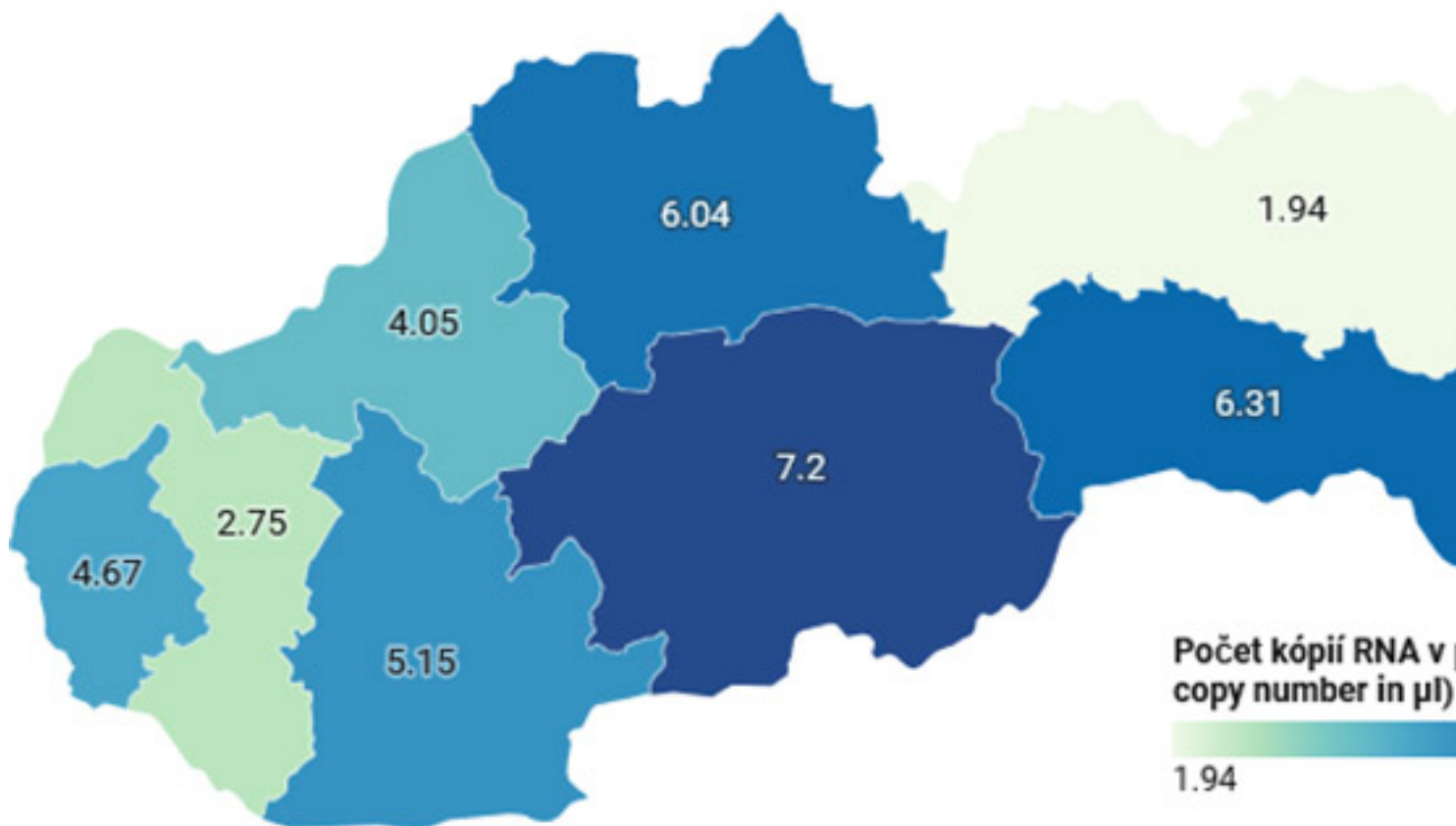


Analyzované pomocou ddPCR (analyzed by ddPCR μ l); Priemerný počet kópií v SR 4,80 μ l (average copy number in SR 4,80 μ l)

Source: NRC pre prevenciu a kontrolu NN, RÚVZ Trenčín, NRC pre mikrobiológiu ŽP ÚVZ SR Bratislava • Map created with Datawrapper

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SARS-CoV-2 v odpadových vodách v krajoch - 33. KT SARS-CoV-2 in wastewater in regions - 33rd week 2022



Analyzované pomocou ddPCR (analyzed by ddPCR μl); Priemerný počet kópií v SR 4,80 μl (average copy number in SR 4,80 μl)

Source: NRC pre prevenciu a kontrolu NN, RÚVZ Trenčín, NRC pre mikrobiológiu ŽP ÚVZ SR Bratislava • [Get the data](#)
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Conclusion The analysis of the presence of SARS-CoV-2 virus in wastewater in Slovakia