

## Impact of COVID-19 pandemic on STIs in Greece

Restrictive measures due to COVID-19 outbreak resulted in unprecedented modifications in healthcare services and social life.



We reviewed records from two referral centres in Greece to identify newly diagnosed cases of gonorrhoea and syphilis from 1 March 2020 to 30 October 2020 and compared them with the respective numbers of the same period in 2019. The total number of new syphilis and gonorrhoea diagnoses in 2020 was 423 versus 521 in 2019. Syphilis cases in 2020 were significantly lower compared with 2019 (306 vs 340, respectively,  $p=0.02$ , 10% reduction). Similarly, there were 113 versus 179 gonorrhoea cases in 2020 and 2019, respectively ( $p=0.01$ , 36.9% reduction). The number of heterosexuals was significantly lower in 2020, compared with 2019, while the number of men having sex with men (MSM) was slightly increased.

A reduction in newly diagnosed STDs was reported in many countries during COVID-19 outbreak.<sup>1–3</sup> In Madrid, researchers reported a 73.2% and 81.4% reduction of new syphilis and gonorrhoea cases, respectively, in the first 26 weeks of 2020 compared with 2019.<sup>1</sup> In Switzerland, new syphilis and gonorrhoea diagnoses were accordingly reduced by 84.8% and 16.5% in 2020 versus 2019.<sup>3</sup> In China, new syphilis diagnoses in 2020 were reduced by 8.2% as compared with 2019.<sup>3</sup> Data from all countries converge to the conclusion that considerably fewer STDs were diagnosed in 2020 as compared with 2019.

The latter maybe attributed to limited access or unwillingness of patients to visit

a hospital in the fear of COVID-19 transmission. Social distancing and banned entertainment activities may further contribute to the reduction. Interestingly, in Greece, STDs' numbers in MSM remained unchanged in 2020 versus 2019, possibly reflecting less affected sexual behaviour in this population.

Considering potential long-term consequences of undiagnosed STDs, our results highlight the need of uninterrupted testing and treatment of STDs during a pandemic.

Zoe Apalla ,<sup>1</sup> Aimiios Lallas,<sup>2</sup> Styliani Mastrafsi,<sup>3</sup> Anastassios Giannoukos,<sup>3</sup> Despoina Noukari,<sup>4</sup> Maria Goula,<sup>4</sup> Polychronia Kalantzi,<sup>4</sup> Maria Zapridou,<sup>4</sup> Konstantinos Lallas,<sup>2</sup> Athanassios Kyrgidis,<sup>5</sup> Elizabeth Lazaridou ,<sup>1</sup> Alexander Stratigos,<sup>3</sup> Theodoros Sidiropoulos,<sup>4</sup> Electra Nicolaidou<sup>3</sup>

<sup>1</sup>Second Dermatology Department, Aristotle University of Thessaloniki Faculty of Health Sciences, Thessaloniki, Greece

<sup>2</sup>First Dermatology Department, Aristotle University of Thessaloniki Faculty of Health Sciences, Thessaloniki, Central Macedonia, Greece

<sup>3</sup>1st Department of Dermatology and Venereology, Andreas Sygros University Hospital of Athens, Athens, Greece

<sup>4</sup>State Dermatology Department, Hospital of Skin and Venereal Diseases, Thessaloniki, Greece

<sup>5</sup>Department of Clinical Pharmacology, Aristotle University of Thessaloniki Faculty of Health Sciences, Thessaloniki, Central Macedonia, Greece

**Correspondence to** Professor Zoe Apalla, Second Dermatology Department, Aristotle University of Thessaloniki Faculty of Health Sciences, Thessaloniki 54124, Greece; zoimd@yahoo.gr

**Handling editor** Anna Maria Geretti

**Contributors** All the listed authors meet the criteria for authorship, based on the recommendations of The International Committee of Medical Journal Editors Recommendations for the Conduct, Reporting, Editing, and Publication of Scholarly Work in Medical Journals (ICMJE Recommendations 2018). ZA and AL equally contributed in the preparations of the manuscript and share the first author position. TS and EN equally contributed in their role as senior authors and share senior authorship.

**Funding** The authors have not declared a specific grant for this research from any funding agency in the public, commercial or not-for-profit sectors.

**Competing interests** None declared.

**Patient consent for publication** Not required.

**Provenance and peer review** Not commissioned; internally peer reviewed.

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ZA and AL are joint senior authors.

TS and EN are joint senior authors.



**To cite** Apalla Z, Lallas A, Mastrafsi S, et al. *Sex Transm Infect* 2022;**98**:70.

Received 8 January 2021

Revised 25 January 2021

Accepted 5 February 2021

Published Online First 2 March 2021

*Sex Transm Infect* 2022;**98**:70.

doi:10.1136/sextrans-2021-054965

### ORCID iDs

Zoe Apalla <http://orcid.org/0000-0002-9255-8196>

Elizabeth Lazaridou <http://orcid.org/0000-0002-4072-3591>

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