

*Citation for published version:*

Halimubieke, N, Pirrie, A, Székely, T & Ashby, B 2023, 'Corrigendum to "How do biases in sex ratio and disease characteristics affect the spread of sexually transmitted infections?" [J. Theor. Biol. 527 (2021) 110832]', *Journal of Theoretical Biology*, vol. 571, 111545. <https://doi.org/10.1016/j.jtbi.2023.111545>

*DOI:*

[10.1016/j.jtbi.2023.111545](https://doi.org/10.1016/j.jtbi.2023.111545)

*Publication date:*

2023

*Document Version*

Other version

[Link to publication](#)

Corrigendum. © 2023 Elsevier Ltd. All rights reserved. DOI of original article:  
<https://doi.org/10.1016/j.jtbi.2021.110832>

**University of Bath**

**Alternative formats**

If you require this document in an alternative format, please contact:  
[openaccess@bath.ac.uk](mailto:openaccess@bath.ac.uk)

**General rights**

Copyright and moral rights for the publications made accessible in the public portal are retained by the authors and/or other copyright owners and it is a condition of accessing publications that users recognise and abide by the legal requirements associated with these rights.

**Take down policy**

If you believe that this document breaches copyright please contact us providing details, and we will remove access to the work immediately and investigate your claim.



## Corrigendum

## Corrigendum to “How do biases in sex ratio and disease characteristics affect the spread of sexually transmitted infections?” [J. Theor. Biol. 527 (2021) 110832]



Naerhulan Halimubieke<sup>a,1,\*</sup>, Alistair Pirrie<sup>b,1</sup>, Tamás Székely<sup>a,c</sup>, Ben Ashby<sup>b</sup>

<sup>a</sup> Milner Centre for Evolution, Department of Biology and Biochemistry, University of Bath, Bath, UK

<sup>b</sup> Department of Mathematical Sciences, University of Bath, Bath, UK

<sup>c</sup> Department of Evolutionary Zoology and Human Biology, University of Debrecen, Debrecen, Hungary

The authors regret that there were errors in equations (12)–(15) on page 3 for the endemic equilibrium. Equations (12)–(15) should be replaced by

$$S_F^* = \frac{(\beta c(1-r) + d)d\zeta}{\beta cr + d} \quad (12)$$

$$S_M^* = \frac{(\beta cr + d)d\zeta}{\beta c(1-r) + d} \quad (13)$$

$$I_F^* = \frac{(\beta^2 c^2 r(1-r) - d^2)\zeta}{\beta cr + d} \quad (14)$$

$$I_M^* = \frac{(\beta^2 c^2 r(1-r) - d^2)\zeta}{\beta c(1-r) + d} \quad (15)$$

where  $\zeta = \frac{bcr(1-r)-d}{\beta c^2 qr(1-r)}$ . The results shown in the paper were calculated with the correct equations above.

The authors would like to apologise for any inconvenience caused.

DOI of original article: <https://doi.org/10.1016/j.jtbi.2021.110832>.

\* Corresponding author at: Milner Centre for Evolution, University of Bath, Claverton Down, Bath BA2 7AY, UK.

E-mail address: [hn364@bath.ac.uk](mailto:hn364@bath.ac.uk) (N. Halimubieke).

<sup>1</sup> These authors contributed equally to the manuscript.

<https://doi.org/10.1016/j.jtbi.2023.111545>

Available online 16 June 2023

0022-5193/© 2023 Elsevier Ltd. All rights reserved.