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Corrigendum: How can the collaborative participation of regulators, whistleblowers, and parties effectively promote rumor management in public health emergencies?

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KEYWORDS

public health emergencies, rumor management, collaborative governance, social sustainability, evolutionary games

A corrigendum on
How can the collaborative participation of regulators, whistleblowers, and parties effectively promote rumor management in public health emergencies?

by Wang, Y., Qi, L., and Cai, S. (2024). *Front. Public Health*. 11:1290841. doi: 10.3389/fpubh.2023.1290841

In the published article, there were some errors within Equations (1)–(6) in Section 3.1, "*Analysis of replication dynamics*." Specifically:

[(1) In Equations (1) and (2), the term "$\bar{U}_1$" should be corrected to "U_1"

(2) Equations (3) and (5) redundantly replicate Equation (1), which is not accurate.

(3) Additionally, in Equation (4), "$\bar{U}_2$" should be modified to "U_2," and, in Equation (6), "$\bar{U}_3$" should be adjusted to "U_3"].

A correction has been made to Model analysis, *3.1 Analysis of replication dynamic*. The Equations (1)–(6) previously stated:

"[

$$\begin{cases} U_{11} = y\left(\left(-C_o - gHk\right)(1-z) + \left(-C_o - gHk\right)z\right) + \\ \left(1-y\right)\left(\left(-C_o - gHk + mR\right)(1-z) + \left(-C_o - gHk - An + (m+n)R\right)z\right) \\ U_{12} = y\left(-gkT(1-z) - gkTz\right) + \left(1-y\right)\left(-gkT(1-z) + \left(nR - gkT\right)z\right) \\ \bar{U}_1 = xU_{11} + (1-x)U_{11} \end{cases} \tag{1}$$

$$F(x) = \frac{dx}{dt} = x\left(U_{11} - \bar{U}_1\right) = (-1+x)x\left(C_o + gk(H-T) + \left(-1+y\right)(mR - Anz)\right) \tag{2}$$

$$\begin{cases} U_{11} = y\left(\left(-C_o - gHk\right)(1-z) + \left(-C_o - gHk\right)z\right) + \\ \left(1-y\right)\left(\left(-C_o - gHk + mR\right)(1-z) + \left(-C_o - gHk - An + (m+n)R\right)z\right) \\ U_{12} = y\left(-gkT(1-z) - gkTz\right) + \left(1-y\right)\left(-gkT(1-z) + \left(nR - gkT\right)z\right) \\ \bar{U}_1 = xU_{11} + (1-x)U_{11} \end{cases} \tag{3}$$

$$F(y) = \frac{dy}{dt} = y\left(U_{21} - \bar{U}_2\right) = -\left(-1+y\right)y\left(-Dk + Bgk + mRx + nRz\right) \quad (4)$$

$$\begin{cases} U_{11} = y\left(\left(-C_o - gHk\right)(1-z) + \left(-C_o - gHk\right)z\right) + \\ \left(1-y\right)\left(\left(-C_o - gHk + mR\right)(1-z)\right. \\ \left. + \left(-C_o - gHk - An + (m+n)R\right)z\right) \\ U_{12} = y\left(-gkT(1-z) - gkTz\right) + \left(1-y\right)\left(-gkT(1-z)\right. \\ \left. + \left(nR - gkT\right)z\right) \\ \bar{U}_1 = xU_{11} + (1-x)U_{11} \end{cases} \quad (5)$$

$$F(z) = \frac{dz}{dt} = z\left(U_{31} - \bar{U}_3\right) = (-1+z)z\left(E - gkU + Agnx\left(-1+y\right)\right) \quad (6)$$

]"

The corrected Equations (1)–(6) appear below:

"[

$$\begin{cases} U_{11} = y\left(\left(-C_o - gHk\right)(1-z) + \left(-C_o - gHk\right)z\right) + \\ \left(1-y\right)\left(\left(-C_o - gHk + mR\right)(1-z)\right. \\ \left. + \left(-C_o - gHk - An + (m+n)R\right)z\right) \\ U_{12} = y\left(-gkT(1-z) - gkTz\right) + \left(1-y\right)\left(-gkT(1-z)\right. \\ \left. + \left(nR - gkT\right)z\right) \\ U_1 = xU_{11} + (1-x)U_{12} \end{cases} \quad (1)$$

$$F(x) = \frac{dx}{dt} = x\left(U_{11} - U_1\right) = (-1+x)x\left(C_o + gk(H-T) + \left(-1+y\right)(mR - Anz)\right) \quad (2)$$

$$\begin{cases} U_{21} = (1-x)\left(-Dk(1-z) - Dkz\right) + x\left(-Dk(1-z) - Dkz\right) \\ U_{22} = x\left(\left(-Bgk - mR\right)(1-z) + \left(-Bgk + (-m-n)R\right)z\right) + \\ (1-x)\left(-Bgk(1-z) + \left(-Bgk - nR\right)z\right) \\ U_2 = yU_{21} + \left(1-y\right)U_{22} \end{cases} \quad (3)$$

$$F(y) = \frac{dy}{dt} = y\left(U_{21} - U_2\right) = -\left(-1+y\right)y\left(-Dk + Bgk + mRx + nRz\right) \quad (4)$$

$$\begin{cases} U_{31} = \left(\left(-E + gkU\right)(1-x) + \left(-E + Agn + gkU\right)x\right)\left(1-y\right) + \\ \left(\left(-E + gkU\right)(1-x) + \left(-E + gkU\right)x\right)y \\ U_{32} = 0 \\ U_3 = zU_{31} + (1-z)U_{32} \end{cases} \quad (5)$$

$$F(z) = \frac{dz}{dt} = z\left(U_{31} - U_3\right) = (-1+z)z\left(E - gkU + Agnx\left(-1+y\right)\right) \quad (6)$$

]"

The authors apologize for this error and state that this does not change the scientific conclusions of the article in any way. The original article has been updated.

Publisher's note