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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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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?](#)

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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:

“[

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

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

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

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

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

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

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

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

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

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

]

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

“[

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

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

]

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.

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