

Article title: The Impact Mechanism of Government Regulation on the Operation of Smart Health Senior Care Service Platform: A Perspective From Evolutionary Game Theory

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Supplementary file 2. Jacobian Matrix of Replicated Dynamical Systems

Jacobian matrix of replicated dynamical systems:

$$J = \begin{bmatrix} (1-2x)(-C_{g1} + (P_{b1}(1+y) + P_{h1}(1+z))\mu_1 + R_{g1}\rho_1 - (P_{g1} + P_{g2})(yz-1)) & x(1-x)((P_{b1}\mu_1 - (P_{g1} + P_{g2})z) & x(1-x)(P_{h1}\mu_1 - (P_{g1} + P_{g2})y) \\ y(1-y)(\rho_2 R_{b3} + \mu_1(R_{b2} + P_{b1})) & (1-2y)(R_{b1} + \rho_2(xR_{b3} + zR_{b4}) - R_{b2} + \mu_1 x(R_{b2} + P_{b1})) & y(1-y)\rho_2 R_{b4} \\ (1-z)z(\rho_3 R_{h3} + \mu_1 P_{h1} + \mu_1 R_{h2}) & (1-z)z\rho_3 R_{h4} & (1-2z)(R_{h1} + \rho_3 xR_{h3} + \rho_3 yR_{h4} - R_{h2} + x\mu_1 P_{h1} + \mu_1 R_{h2}x) \end{bmatrix}$$