

S1 Table for

Covid-19 in Africa: underreporting, demographic effect, chaotic dynamics, and mitigation strategies impact

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Table S1. Dynamical regimes of the models.

Table S1: Dynamical regimes of the models. The dynamics was investigated considering 100 000 integration time steps of 0.1 day each (corresponding to a duration of ~24 years). Metastable is mentioned when the integration could be checked on 20 000 time steps (~6 years) only. P1, P2 and P5 refer to period cycles of period one, two and five, respectively. Toroidal chaos refers to chaotic attractors structured around a toroidal structure (see [1] for details).

Country	Algeria	Cameroon	Côte d'Ivoire	Egypt	Ethiopia	Ghana	Kenya
<i>I</i>	P1	∅	P1	Chaos	Chaos	Bistable chaos	Metastable chaos
<i>D</i>	Toroidal chaos	Chaos	P2	Metastable chaos	∅	∅	∅
Country	Libya	Namibia	Nigeria	Senegal	South Africa	Tunisia	Zimbabwe
<i>I</i>	∅	Chaos	P1	P1	Metastable chaos	∅	P5
<i>D</i>	Torus	Chaos	∅	∅	Torus	Torus	Chaos

Reference.

1. Mangiarotti S, Letellier C, Topological characterization of toroidal chaos: A branched manifold for the Deng toroidal attractor, *Chaos: An Interdisciplinary Journal of Nonlinear Science* 2021; 31:013129. doi: 10.1063/5.0025924.