

Ideas on a traffic light warning system for acute respiratory infections

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We describe two mathematical models developed or inspired by the traffic light system implemented in Mexico to control and mitigate the COVID-19 pandemic. The models are variants of the Kermack MacKendrick models. One proposes a minimal duration restriction strategy for contact rates and mobility, while the other models a traffic light system with different levels of perceived risk, utilizing DALYs to represent the socioeconomic context of the system.

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