

Multiannual forecasting of seasonal influenza dynamics reveals climatic and evolutionary drivers

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Human influenza occurs annually in most temperate climatic zones of the world, with epidemics peaking in the cold winter months. diseases and explain why influenza is regarded as “an invariable disease caused by a variable virus” (1).

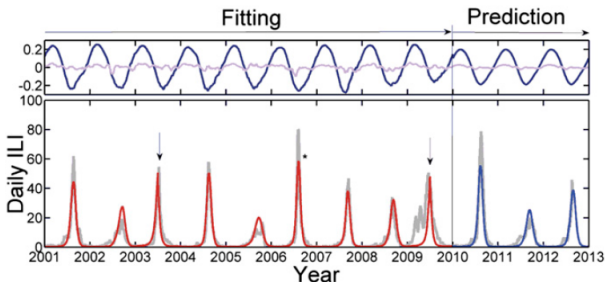


Fig. 1. (Lower) The smoothed daily ILI cases reported in Tel Aviv (light gray),

Fireflies in Great Smoky Mountains, TN

Model each firefly with $K \sin(\Psi - \theta(t))$

- K is intensity
- Ψ is mean group phase
- Investigate dynamics on individual $\theta(t)$

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