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Modelling the Skip-and-resurgence of Japanese Encephalitis Epidemics in Hong Kong

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Highlights

- Japanese encephalitis virus (JEV) is a public health threat in Hong Kong.
- Local JEV human cases were observed annually except they disappeared in 2006-2010.
- Our study reveals the mechanism behind the recent “skip-and-resurgence” of JEV cases.
- Disappearance in 2006-2010 is likely due to the decrease of the number of local farm pigs.
- Resurgence after 2011 could be due to the invasion of a new JEV strain.

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