WEBINAR

Preparing for the 2025 dengue season: insights from predictive models

October 31st, 2024

1 p.m. (London)

SIMULTANEOUS TRANSLATION

English |Portuguese| Spanish

INFO DENGUE

THE GLOBAL HEALTH NETWORK
LATIN AMERICA AND THE CARIBBEAN

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Panel

Chair: Rachel Lowe - Research Professor, Catalan Institution for Research and Advanced Studies (ICREA) and Global Health Resilience Group Leader, Barcelona Supercomputing Centre (BSC), Spain

Claudia Codeço - Senior Researcher in Public Health, Oswaldo Cruz Foundation (Fiocruz, Rio de Janeiro), Brazil

Mauricio S. Vegas - Professor, Universidad de los Andes, Bogotá, Colombia

Flavio Coelho - Associate professor, School of Applied Mathematics, Getulio Vargas Foundation (FGV, Rio de Janeiro), Brazil and Principal Investigator of the Mosqlimate Project

Marcela Lopes Santos - Technical consultant, General Coordination of Arbovirus Surveillance, Ministry of Health, Brazil

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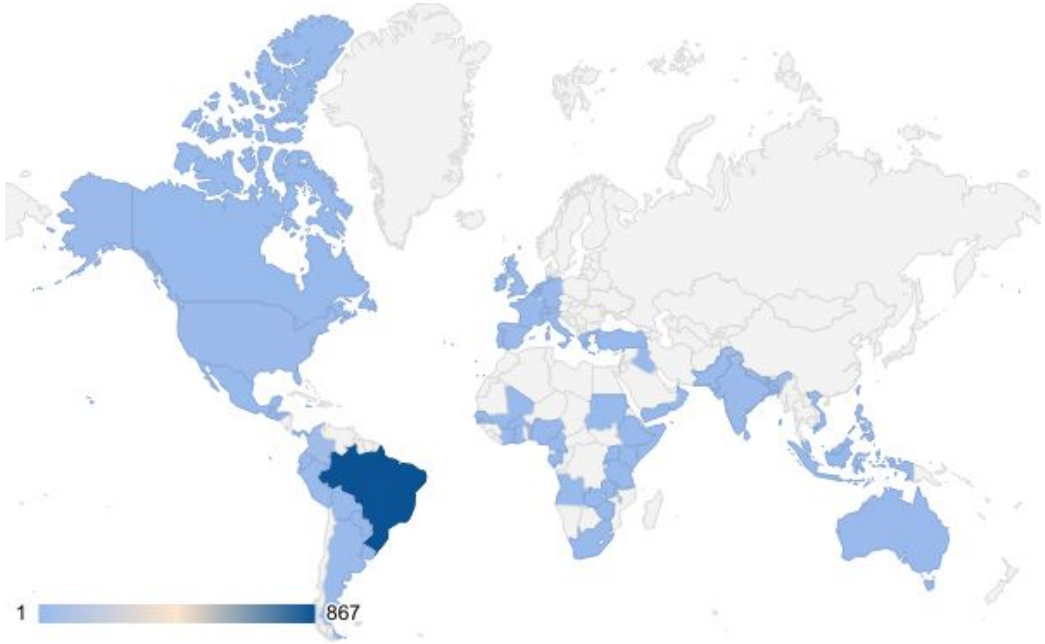
Registered in today's webinar

	Country	Count
1	Brazil	867
2	Colombia	37
3	United States	16
4	Spain	15
5	United Kingdom	14
	Total	
	65	1141



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Resources

The recording, materials and presentations will be shared on the TGHN LAC:

https://bit.ly/webinfodengue

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InfoDengue: early warning system for arboviroses in Brazil

Claudia Codeço and Infodengue team

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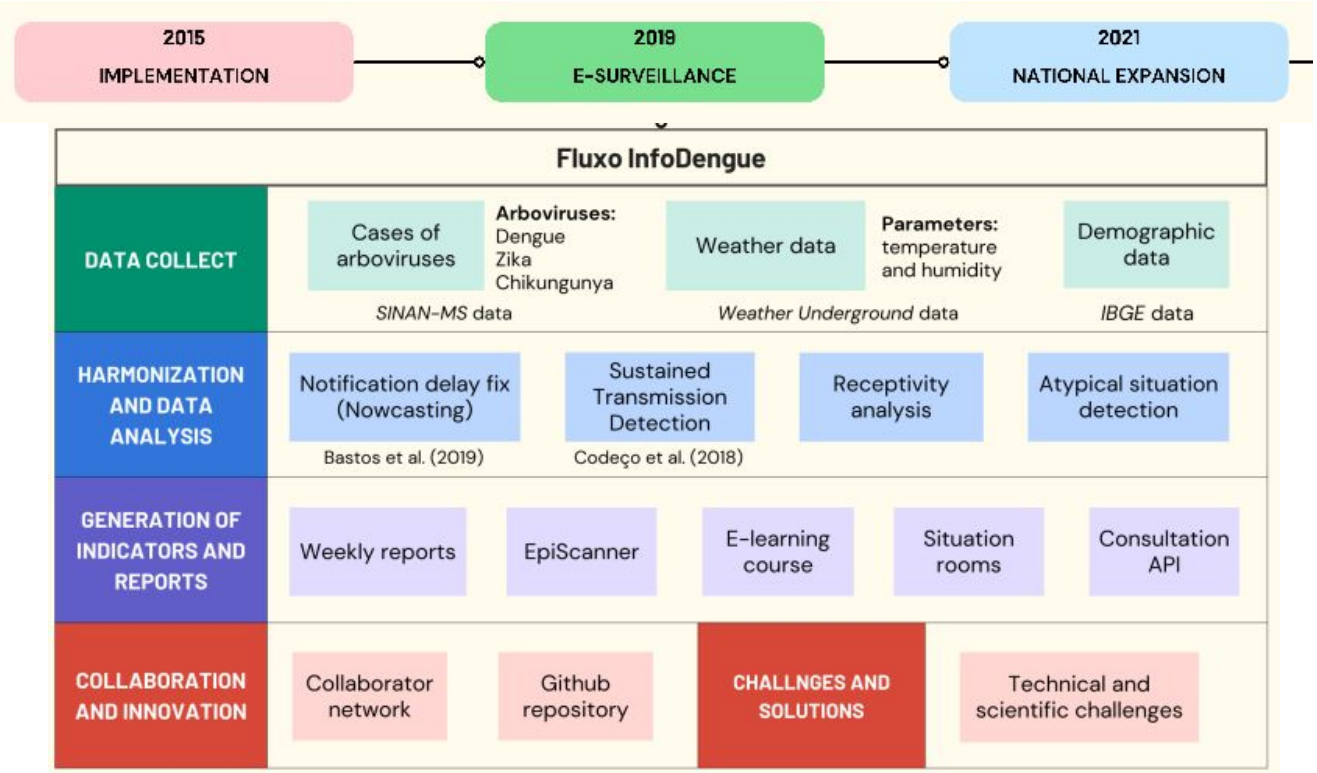

FGV EMAp ESCOLA DE MATEMÁTICA APLICADA

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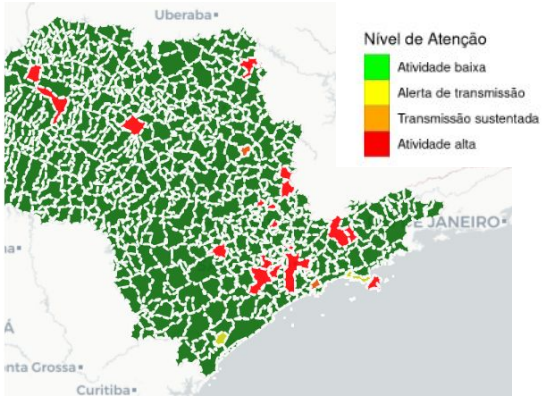
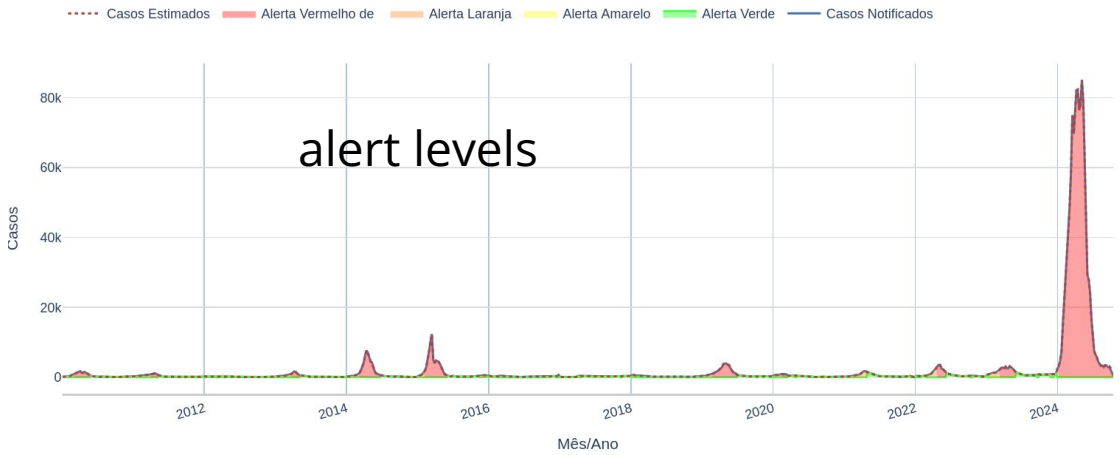
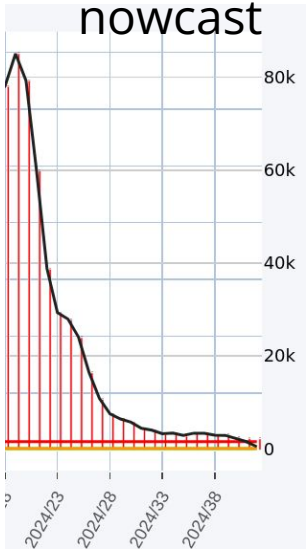
MINISTÉRIO DA SAÚDE

GOVERNO FEDERAL BRASIL UNIÃO E RECONSTRUÇÃO

Infodengue pages per state and municipality







Fast expansion of dengue in Brazil

Claudia T. Codeco,[a]* Sara S. Oliveira,[a] Danielle A.C. Ferreira,[b] Thais I.S. Riback,[a] Leonardo S. Bastos,[a] Raquel M. Lana,[a,c] Iasmim F. Almeida,[a] Vinicius B. Godinho,[a] Oswaldo G. Cruz,[a] and Flavio C. Coelho[d]

www.thelancet.com Vol 12 Month August, 2022

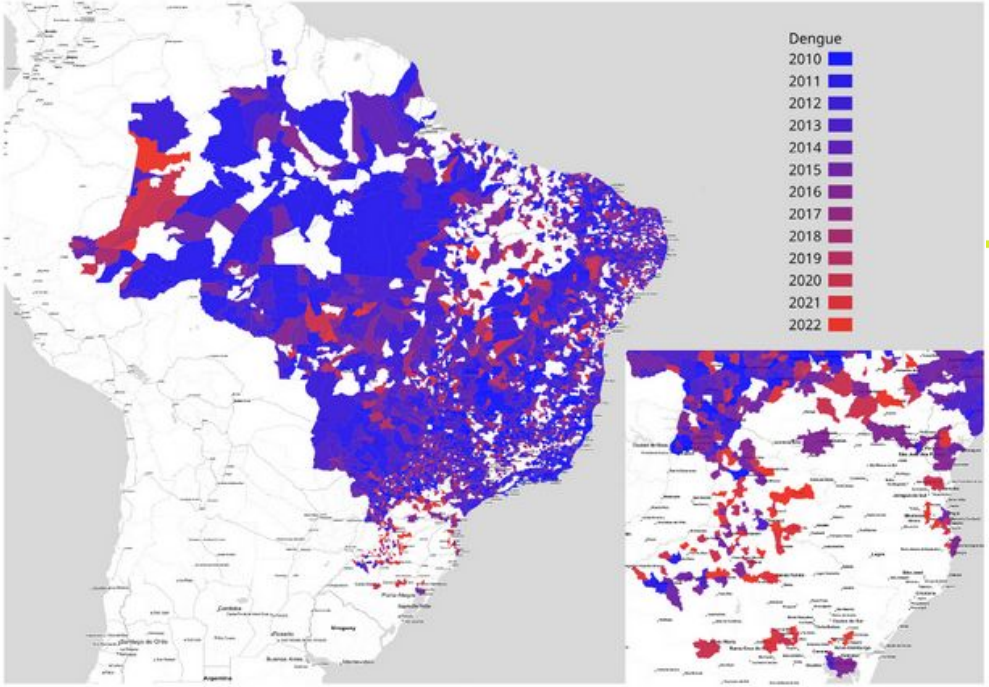


Figure 1. Map of Brazil showing the spread of dengue transmission into previously disease free regions (pre-2010 to March 2022). *Source*: Infodengue.

Increasing arbovirus risk in Chile and neighboring countries in the Southern Cone of South America

Elizabet L. Estallo,[a,b,*] Rachel Sippy,[c] Michael A. Robert,[d] Salvador Ayala,[e] Carlos J. Barboza Pizard,[f] Pastor E. Pérez-Estigarribia,[g] and Anna M. Stewart-Ibarra[h]

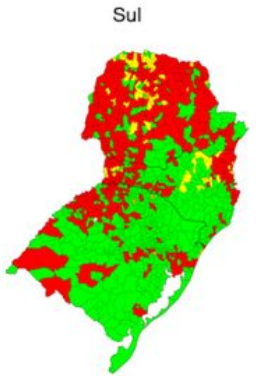
Internacional

Argentina enfrenta risco crescente de epidemia de dengue

Doença é conhecida também no país como "febre quebra-ossos"

JUAN BUSTAMANTE E LUCILA SIGAL - REPÓRTERES DA REUTERS

Publicado em 08/04/2024 - 13:31
Buenos Aires



2024

In 2023, Infodengue launched a warning:

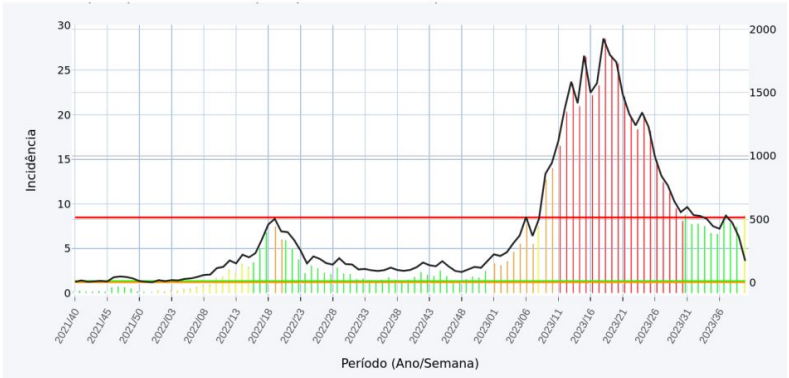
Relatório 02/23 *(atualizado em 26/10/2023)*

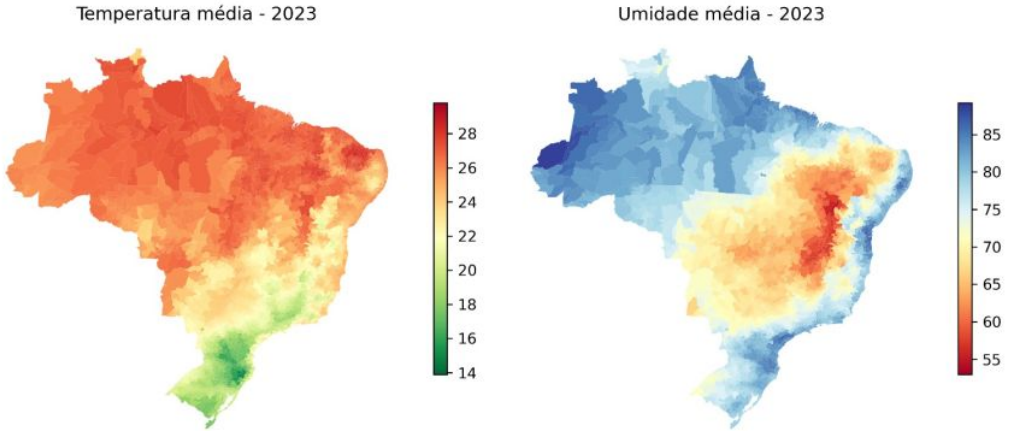
Reflexões sobre o risco de arboviroses em 2024

"The Earth is in Uncharted Territory"

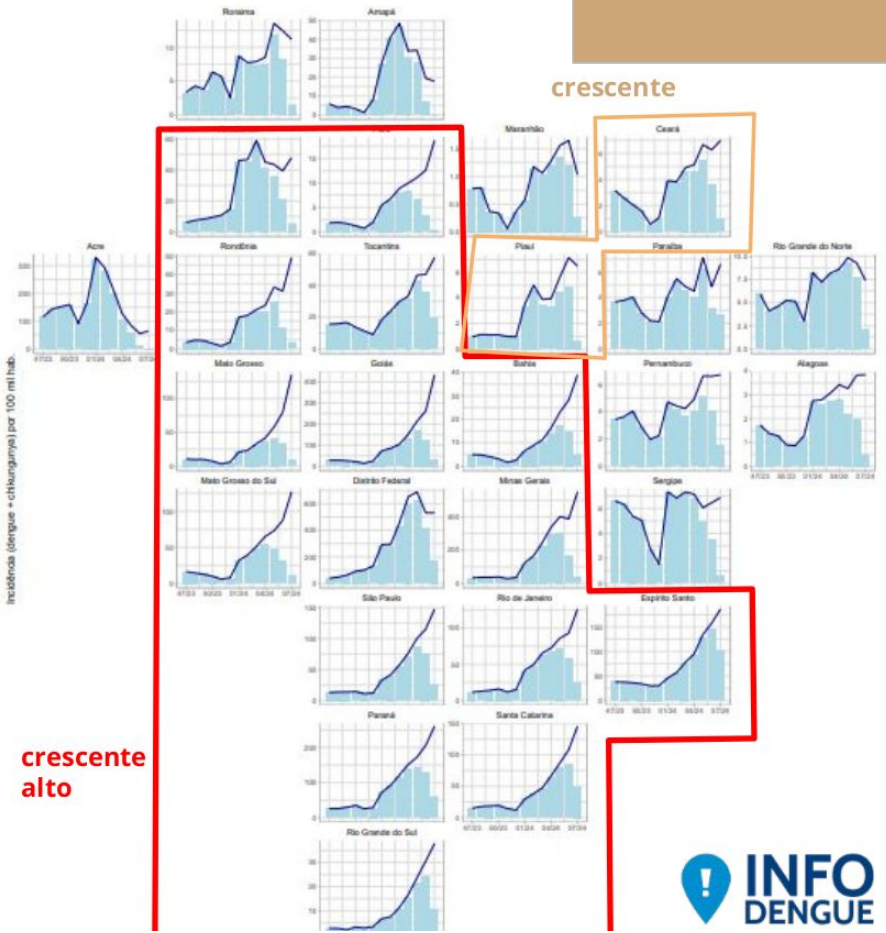
Paulo Ceppi, Imperial College London climate science lecturer, 2023

Winter with high notification + El Niño effects = high risk of epidemic



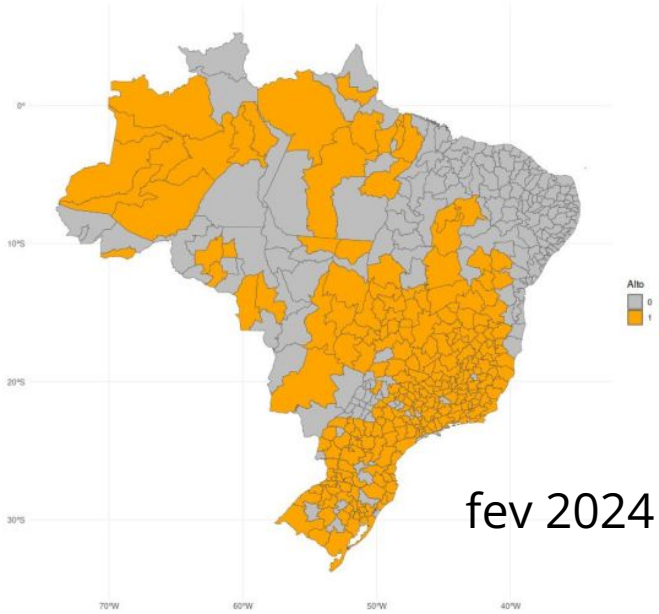


Weekly reports

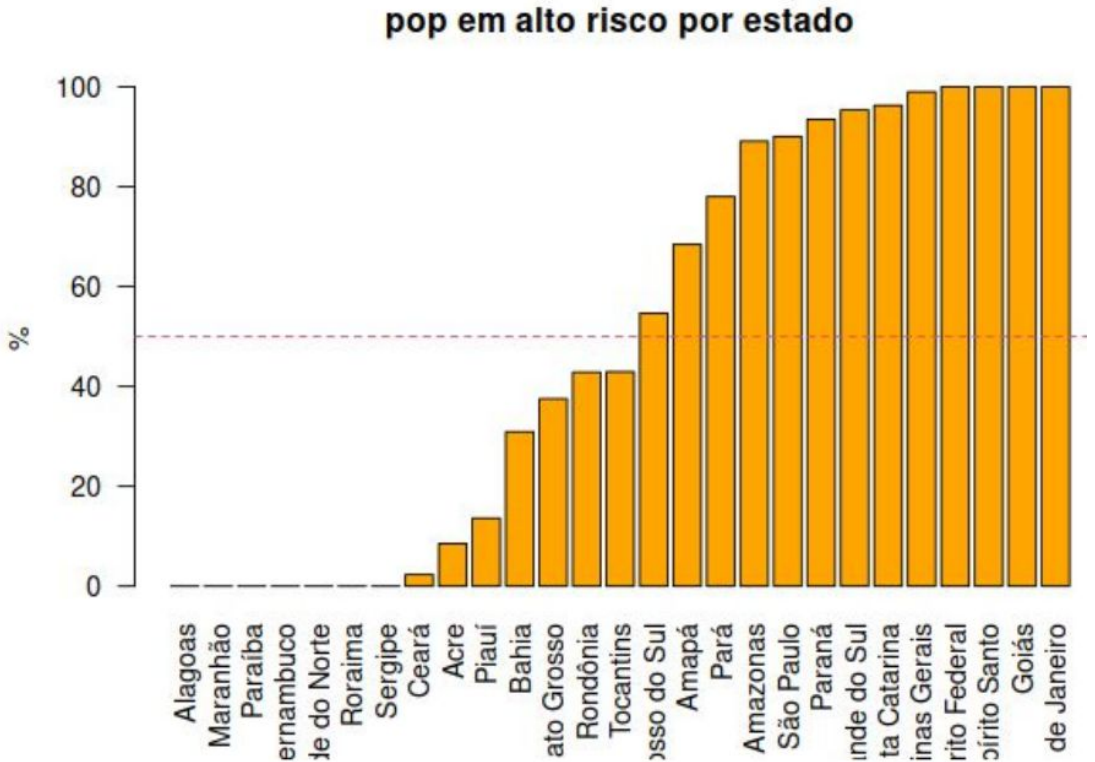


Região	UF	SE limiar alto	SE pico	nivel atual SE07	tendência	Rt
Norte	Acre	46	2	médio	decrescente	<1
	Rondônia	3		alto	crescente	1,5
	Roraima			médio	estável	~1
	Amazonas	52	platô	alto	estável	~1
	Pará	2		alto	crescente	1,4
	Amapá	1	3	alto	decrescente	<1
	Tocantins	7		alto	crescente	1,4
Centro-Oeste	Mato Grosso	3		alto	crescente	1,5
	Mato Grosso do Sul	7		alto	crescente	1,6
	Goiás	3		alto	crescente	1,8
	Distrito Federal	49	5	alto	decrescente	~1
Sul	Rio Grande do Sul	1		alto	crescente	1,8
	Santa Catarina	1		alto	crescente	1,7
	Paraná	1		alto	crescente	1,5
Nordeste	Alagoas			baixo	estável	~1
	Bahia	4		alto	crescente	1,8
	Ceará			baixo	crescente	1,3
	Maranhão			médio	estável	~1
	Paraíba			baixo	estável	~1
	Pernambuco			médio	estável	~1
	Piauí			médio	crescente	1,2
	Rio Grande do Norte			médio	estável	~1
	Sergipe			médio	estável	~1
Sudeste	Rio de Janeiro	47		alto	crescente	1,4
	Minas Gerais	1		alto	crescente	1,6
	Espírito Santo	2		alto	crescente	1,6
	São Paulo	3		alto	crescente	1,6

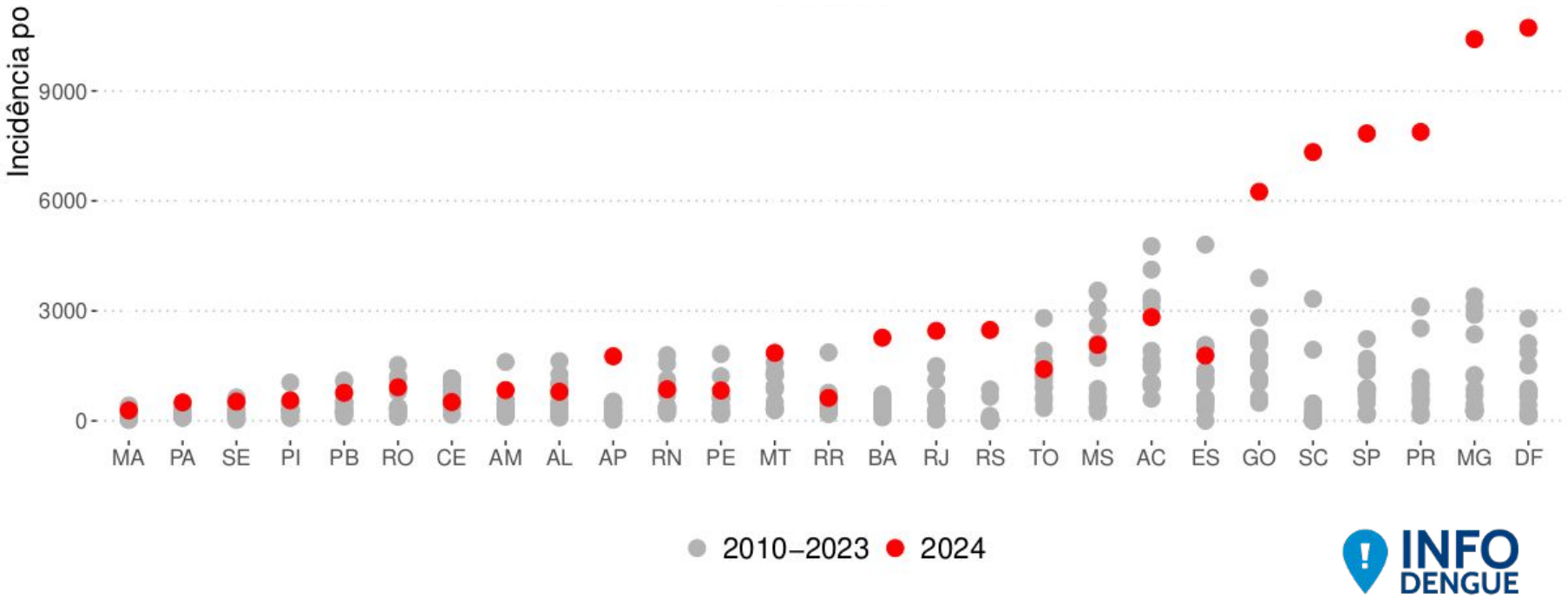
Weekly reports



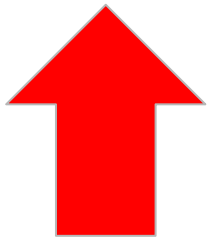
fev 2024



Epidemic of Dengue in 2024



What about 2025?

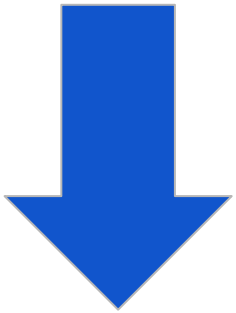


increased risk

Relatively high dengue notification off-season in some states

Uncertainty regarding the behavior of denv3

Favorable climate (but not as in 2023)



reduced risk

immunity to denv 2 and denv1

Greater awareness

Favorable climate is delayed, specially humidity