



Disease Incidence and Resource Estimator

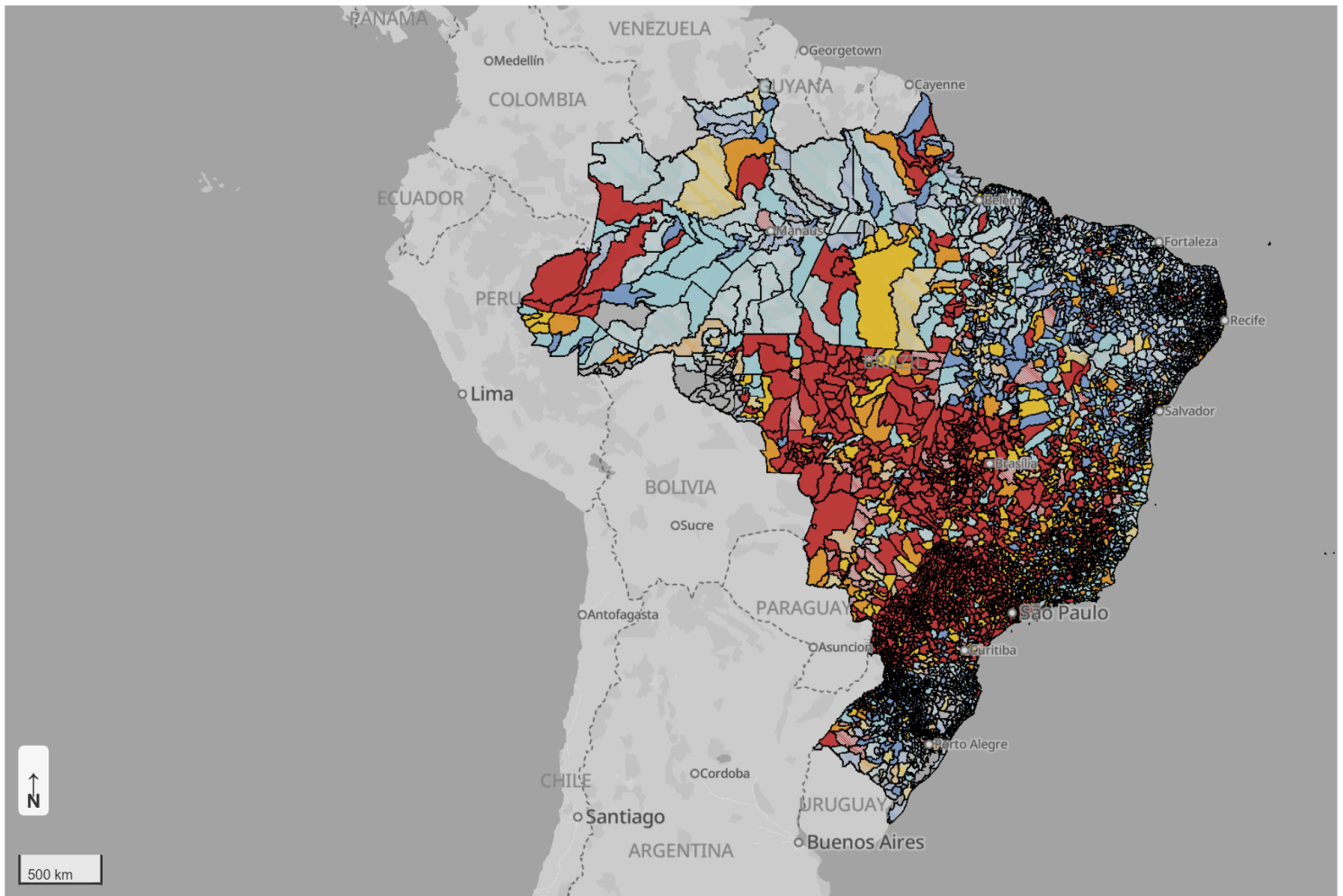
UC San Diego
SCHOOL OF GLOBAL POLICY AND STRATEGY

NLT New Light
Technologies

Dengue Report, Predicted for February 2026

Generated Date: 2/4/2026, 11:11:37 PM (UTC-8)

Brazil



Dengue Risk Level for February 2026



Dengue Risk Level Calculation

Risk level colors indicate disease hotspots based on incidence rate (cases per 100,000 population) and absolute case count. The higher of the two determines the final risk level.

Incidence Rate Thresholds (per 100,000)

- Lowest: ≤ 0.01
- Low: 0.01 - 10
- Medium: 10 - 20
- High: 20 - 30
- Highest: > 30

Case Count Thresholds

- Lowest: ≤ 2 cases
- Low: 2 - 5 cases
- Medium: 5 - 20 cases
- High: 20 - 100 cases
- Highest: > 100 cases

Dengue Cases Overview

124,327

Feb 2026
(Predicted)

133,156

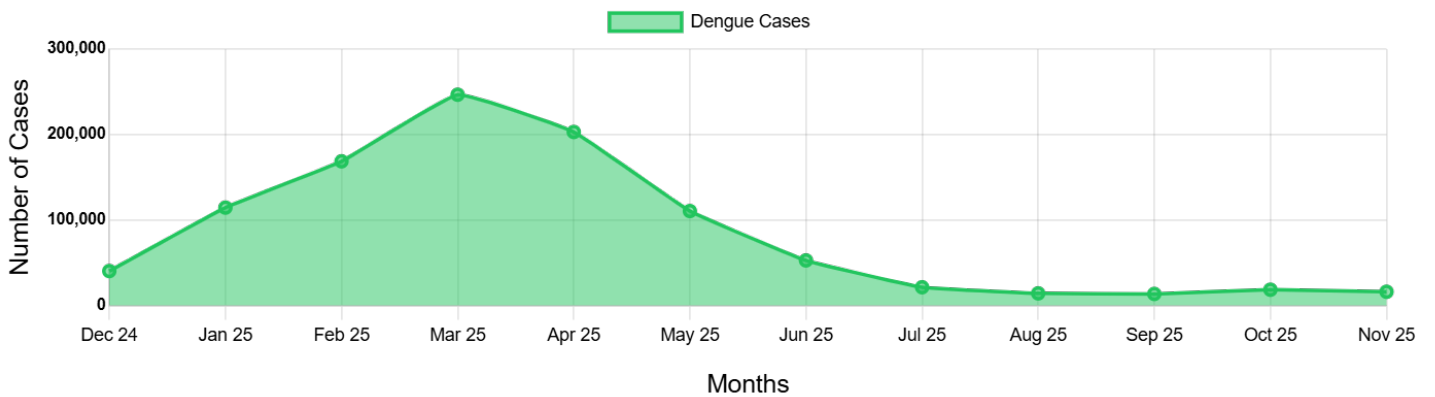
Mar 2026
(Predicted)

27,840

Apr 2026
(Predicted)

Yearly Cases Overview

Monthly Cases Overview
(Most Recent Year of Data)



Resource Requirements

Commodities

Item	Total Required	Unit Price	Total Cost	Unit
Vaccine Doses	26,036,047	\$40 (USD)	R\$5415497704.52	Dose
Vaccination Centers	4,069	\$40 (USD)	R\$5415497704.52	Center
Doses Of Larvicide	546,025,693	\$0.5 (USD)	R\$1419666800.50	Dose
Lt Of Adulticide Urban	1,541,902	\$25 (USD)	R\$871451703.00	Lt
Lt Of Adulticide Rural	5,161,573	\$25 (USD)	R\$871451703.00	Lt
Fumigation Kits	5,354	\$400 (USD)	R\$11135957.32	Kit
Mosquito Release Containers Wolbachia	8,254	\$1,500 (USD)	R\$64381012.41	Container
Mosquito Release Containers Transgenic	1,651	\$2,500 (USD)	R\$21460337.47	Container
Repellents	12,107,886	\$3 (USD)	R\$8370174179.64	Unit
Sq M Nets	90,809,145	\$0.15 (USD)	R\$8370174179.64	Unit
Sq M Screens	54,485,487	\$0.15 (USD)	R\$8370174179.64	Unit
Awareness Campaign Hours	122,828	\$250 (USD)	R\$159675750.00	Hour
Serologic Diagnoses	186,492	\$25 (USD)	R\$82429093.46	Test
Virologic Diagnoses	186,492	\$35 (USD)	R\$82429093.46	Test
Molecular Diagnoses	18,650	\$250 (USD)	R\$82429093.46	Test

Commodities (continued)

Item	Total Required	Unit Price	Total Cost	Unit
General Hospital Patients	13,677	\$1,410 (USD)	R\$185352322.30	Patient
Icu Patients	1,244	\$13,160 (USD)	R\$185352322.30	Patient
Lt Of Adulticide	6,703,475	-	R\$1742903406.01	Lt
Mosquito Release Containers	9,905	-	R\$85841349.88	Container
Diagnosis Kits	391,632	-	R\$247287280.37	Kit
General Hospitalization Rooms Boxes	13,677	\$1,410 (USD)	R\$185352322.30	Patient
Icu Rooms Boxes	1,244	\$13,160 (USD)	R\$185352322.30	Patient
Repellents	12,107,886	\$3 (USD)	R\$8370174179.64	Unit

Personnel

Item	Total Required	Unit Price	Total Cost	Unit
Urban Fumigation Teams	5,354	\$750 (USD)	R\$54341173.77	Team
Rural Fumigation Teams	1,076	\$750 (USD)	R\$54341173.77	Team
Education Hours	806,906	\$12 (USD)	R\$50350909.08	Hour
Outreach Workers	719,993	\$600 (USD)	R\$2241882819.26	Worker
Base Workers	16,191	\$2,766.67 (USD)	R\$232468931.04	Worker
Variable Workers	4,036	\$1,100 (USD)	R\$23039531.01	Worker

Appendix

White Paper

For more detailed information about DIRE methodology and approach, please refer to the DIRE White Paper:

https://216304.fs1.hubspotusercontent-na1.net/hubfs/216304/DIRE/DIRE_White_Paper.pdf

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