



Universidade Federal do Ceará

Modelagem epidemiológica do COVID19 para o Estado do Ceará empregando o modelo SEIIR

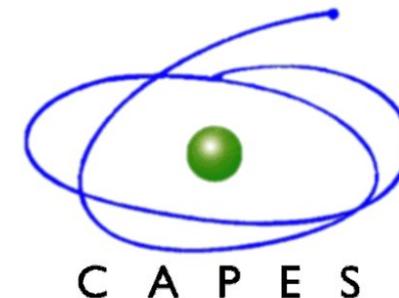
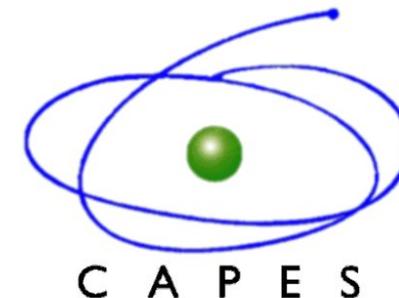
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José Soares de Andrade (UFC-Física)

Humberto Carmona (UFC-Física)

Rilder Pires (CAPP-IPECE-SEPLAG)

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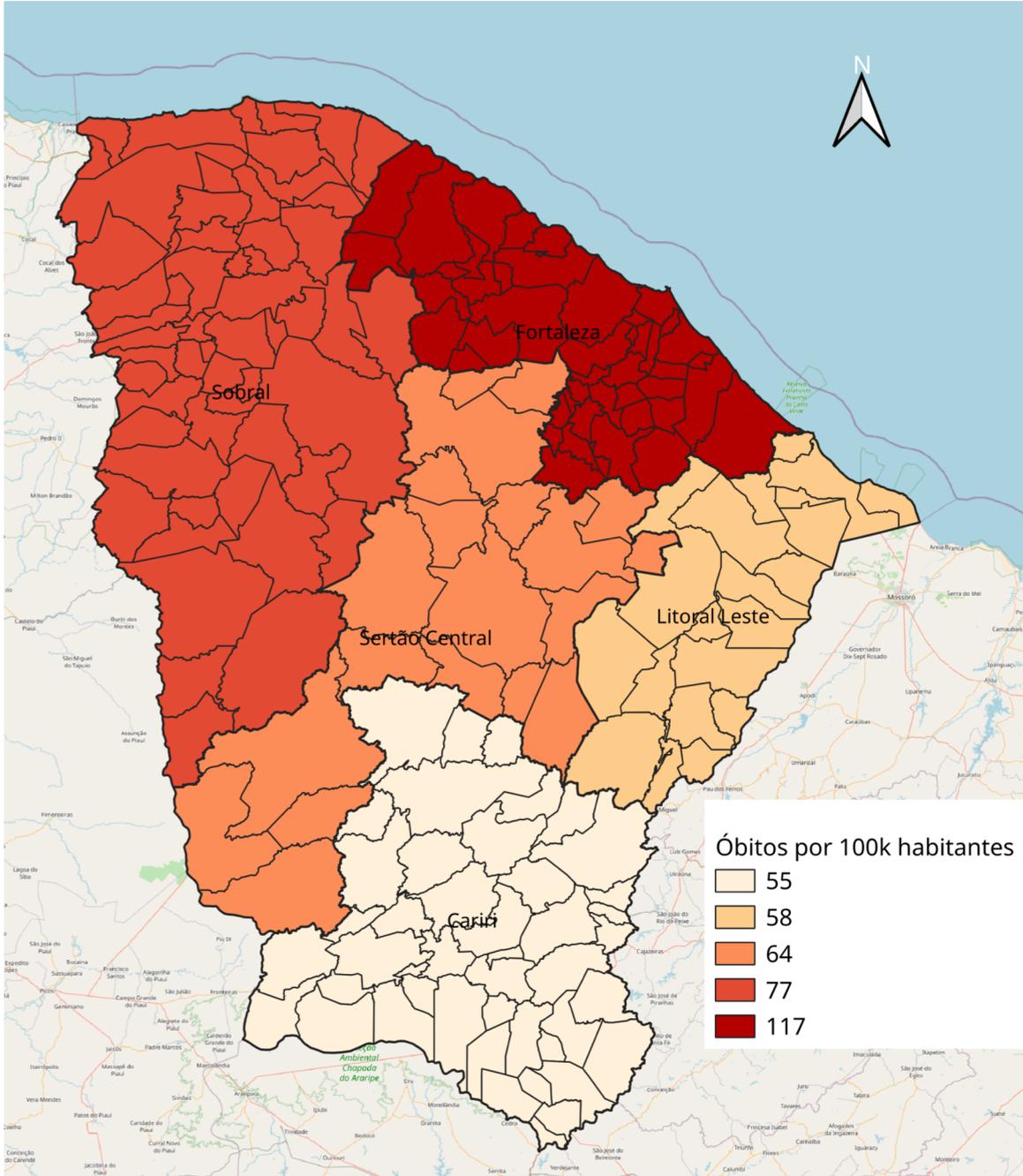
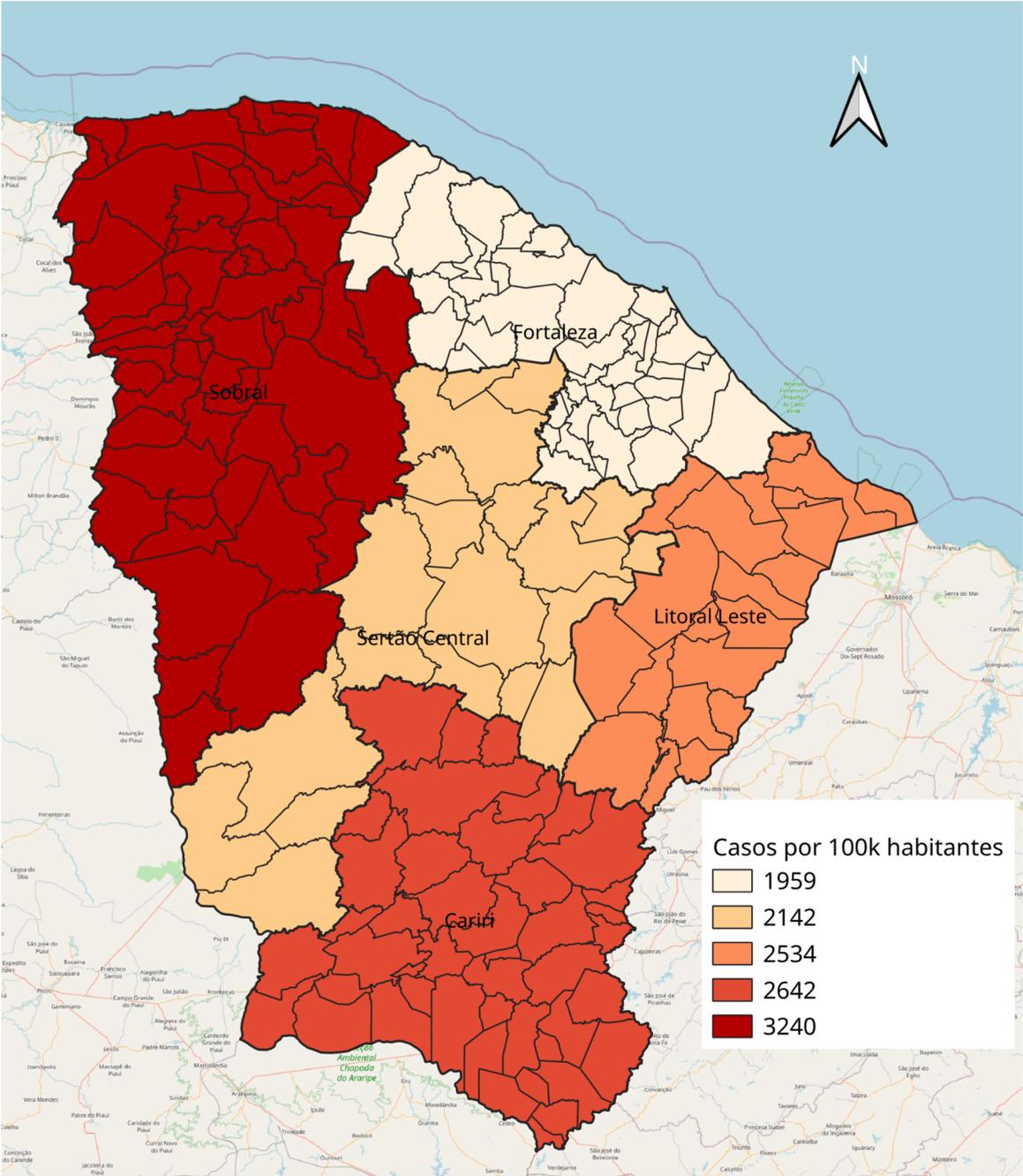
C A P E S

Ceará & Regiões

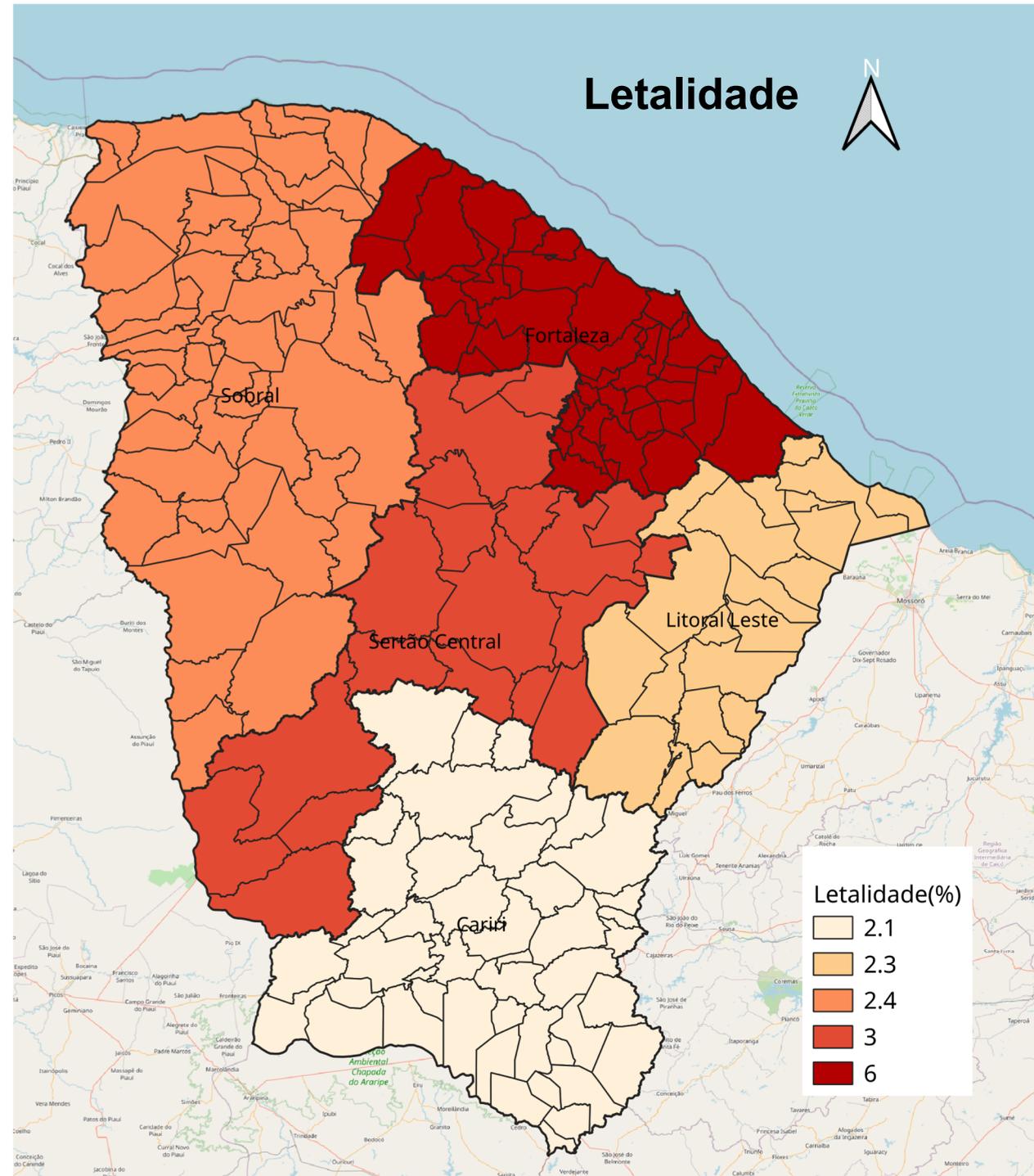
REGIÃO	POPULAÇÃO (IBGE 2020)
Fortaleza	4.817.822
Sobral	1.643.656
Cariri	1.523.245
Sertão Central	652.591
Litoral Leste/Jaguaribe	549.789

População do Ceará = 9.187.103 habitantes

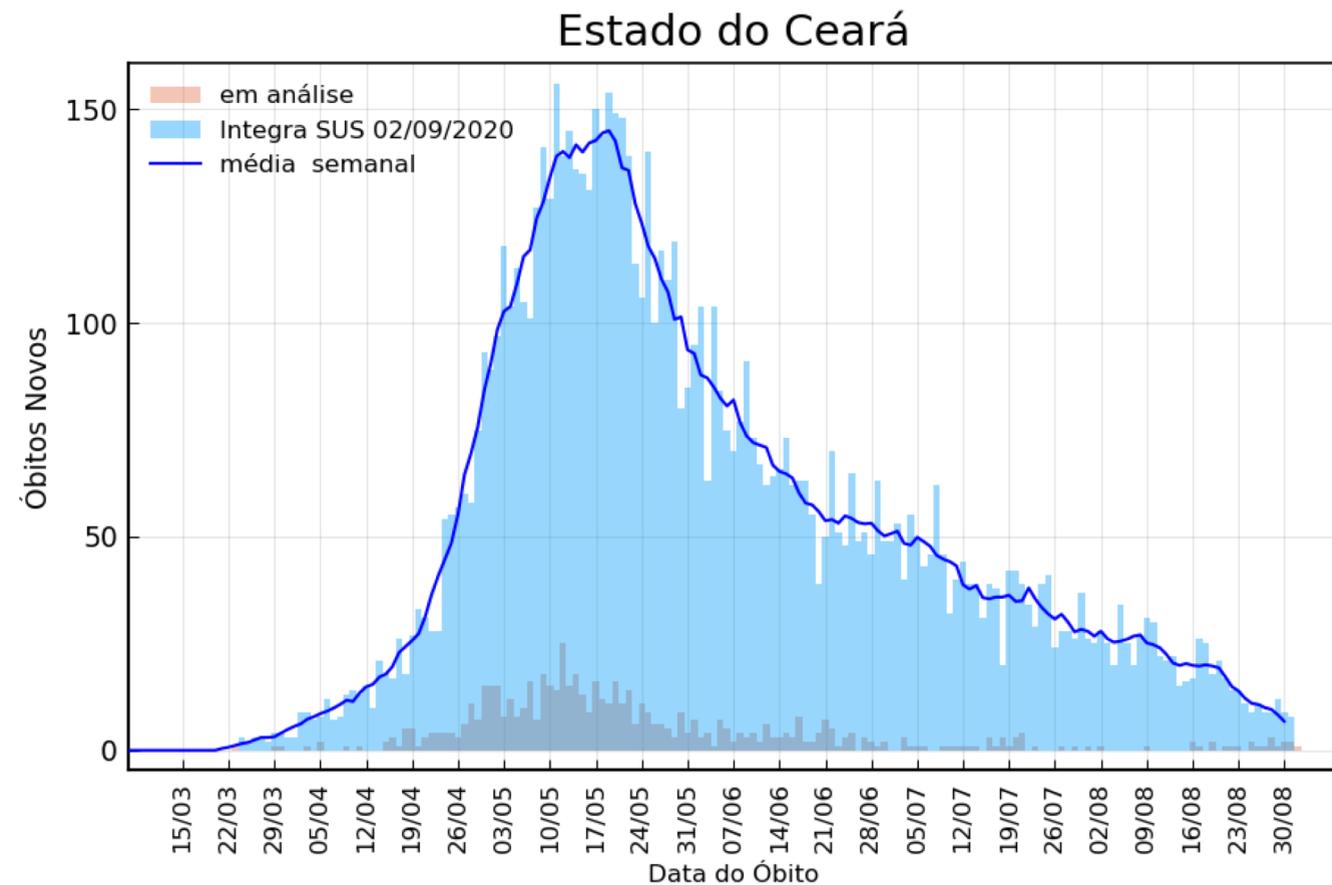
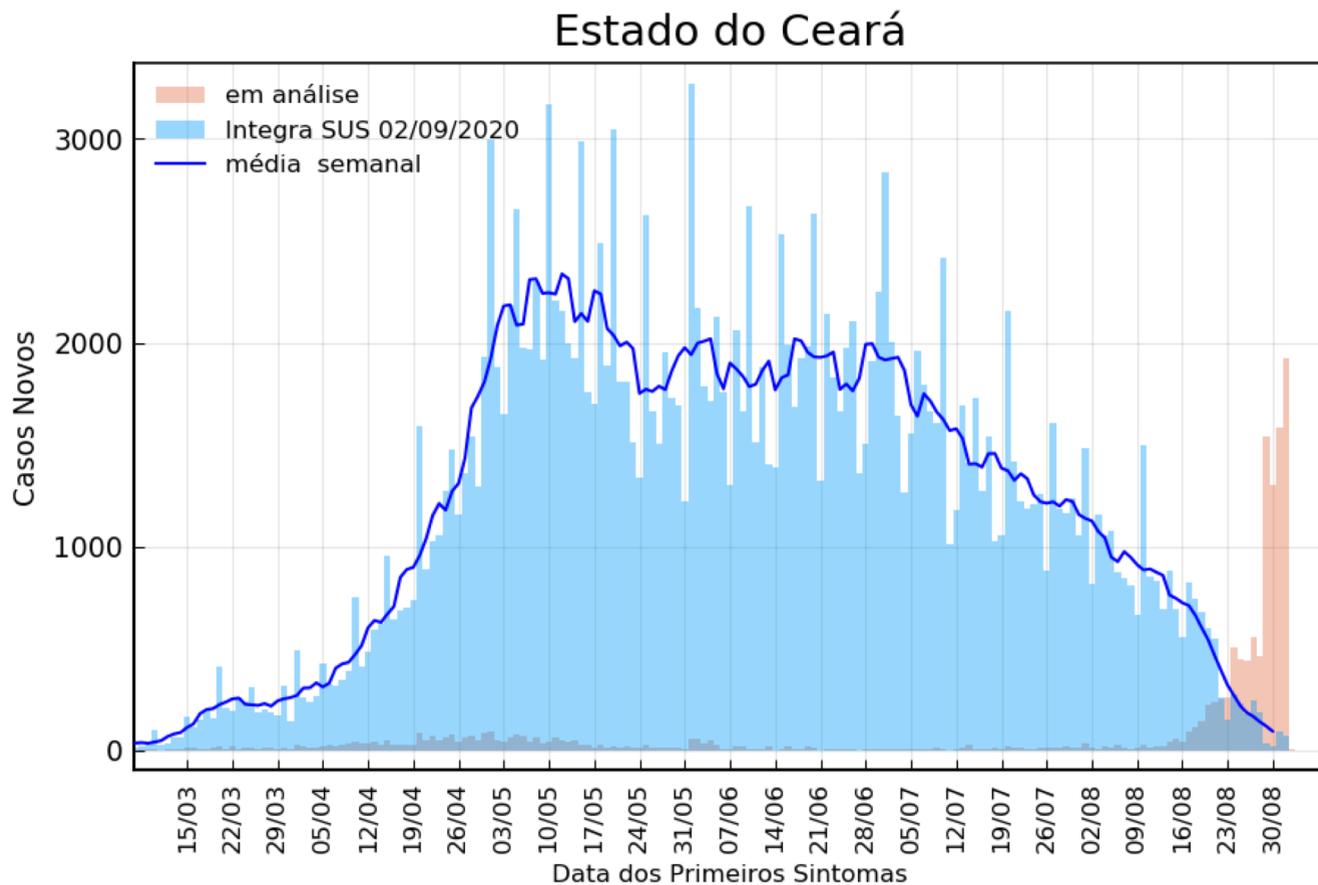
Casos e óbitos acumulados por 100k habitantes



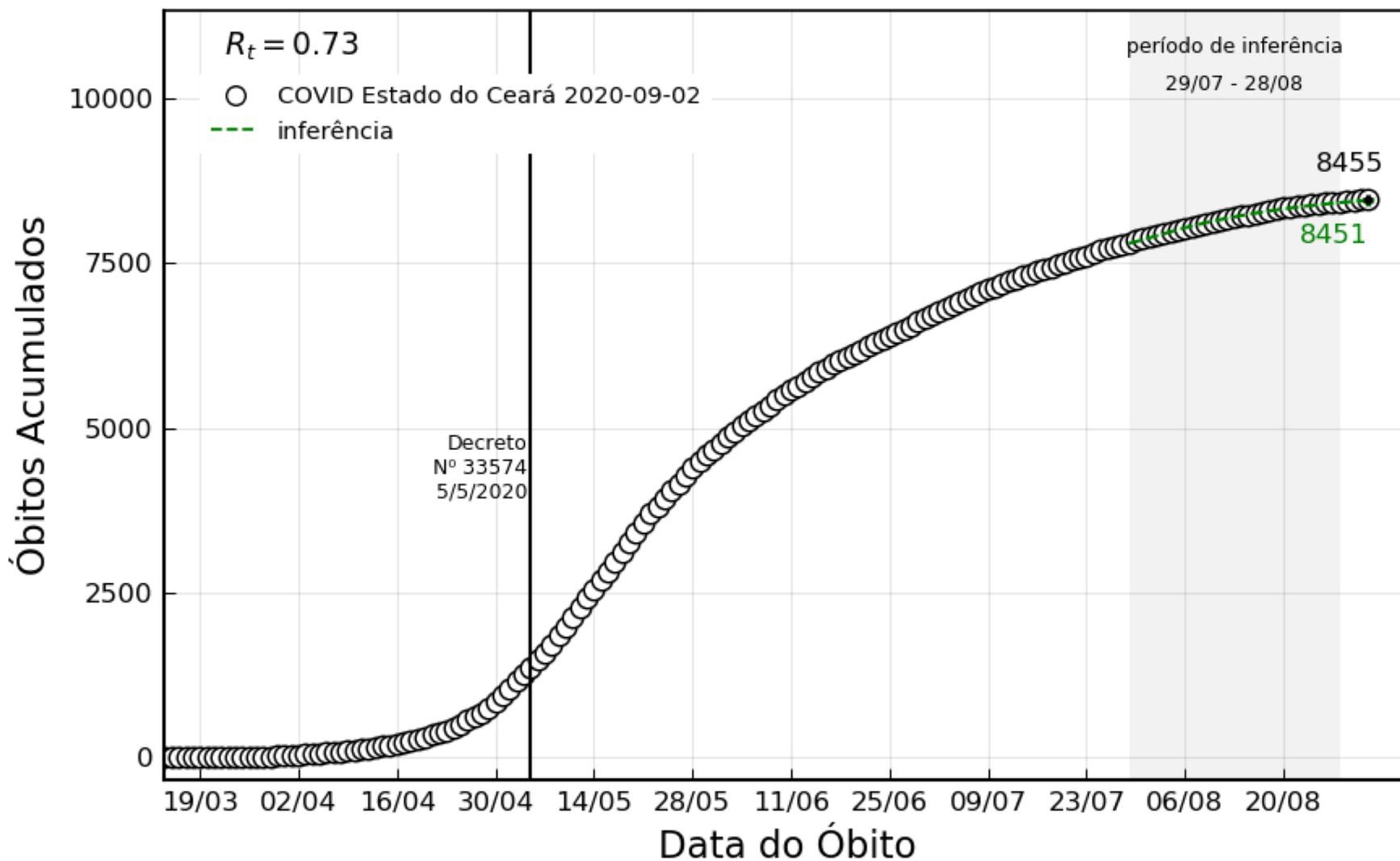
$$Letalidade(\%) = \frac{\# \text{ óbitos}}{\# \text{ casos}} \times 100$$



Dados atualizados em 02/09/2020



Estado do Ceará

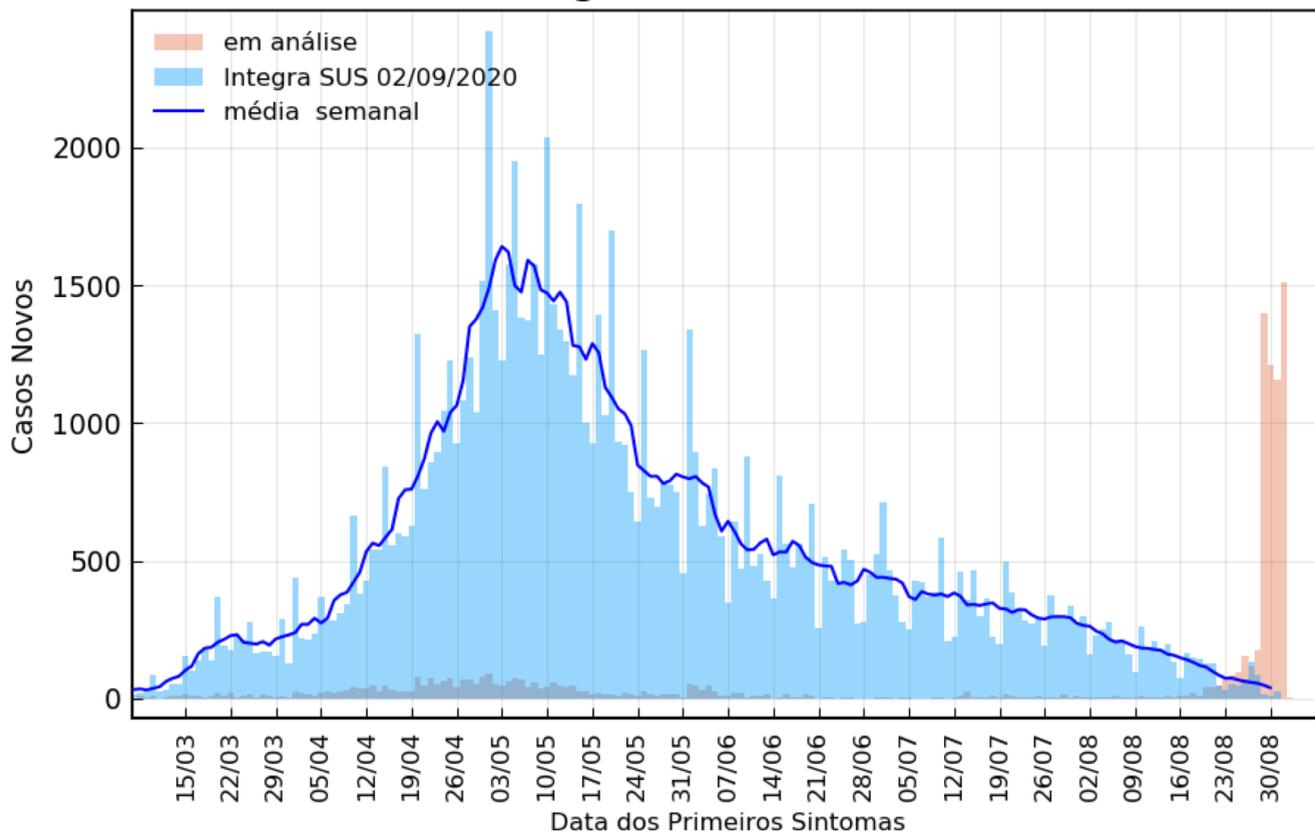


Janela de Inferência	R_t
05/05 – 31/05	0.89
12/05 – 12/06	0.80
22/05 – 17/06	0.81
01/06 – 27/06	0.85
01/06 – 06/07	0.88
15/06 – 13/07	0.89
22/06 - 20/07	0.89
29/06 – 27/07	0.87
08/07 – 30/07	0.86
15/07 – 14/08	0.80
22/07 – 21/08	0.83
29/07 – 28/08	0.73

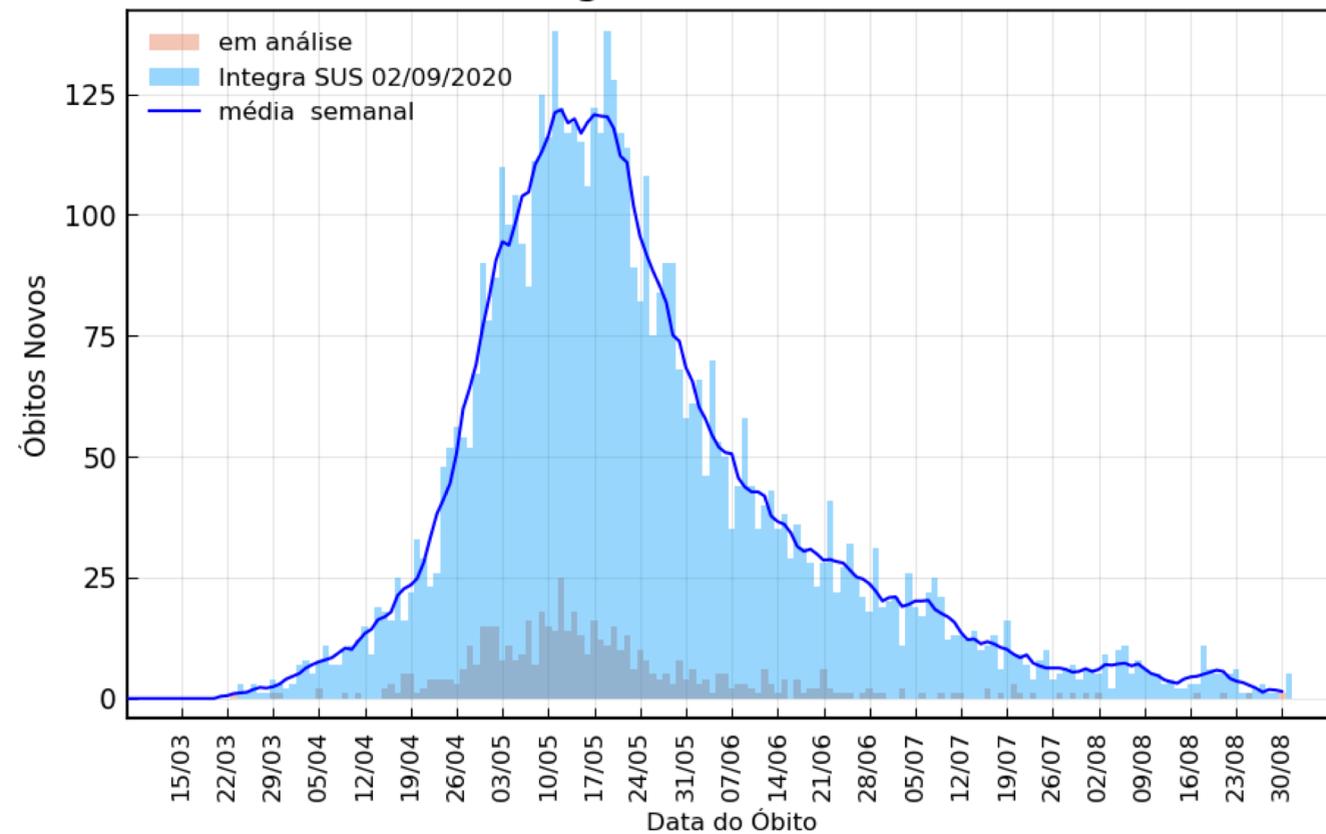
Região Fortaleza

Dados atualizados em 02/09/2020

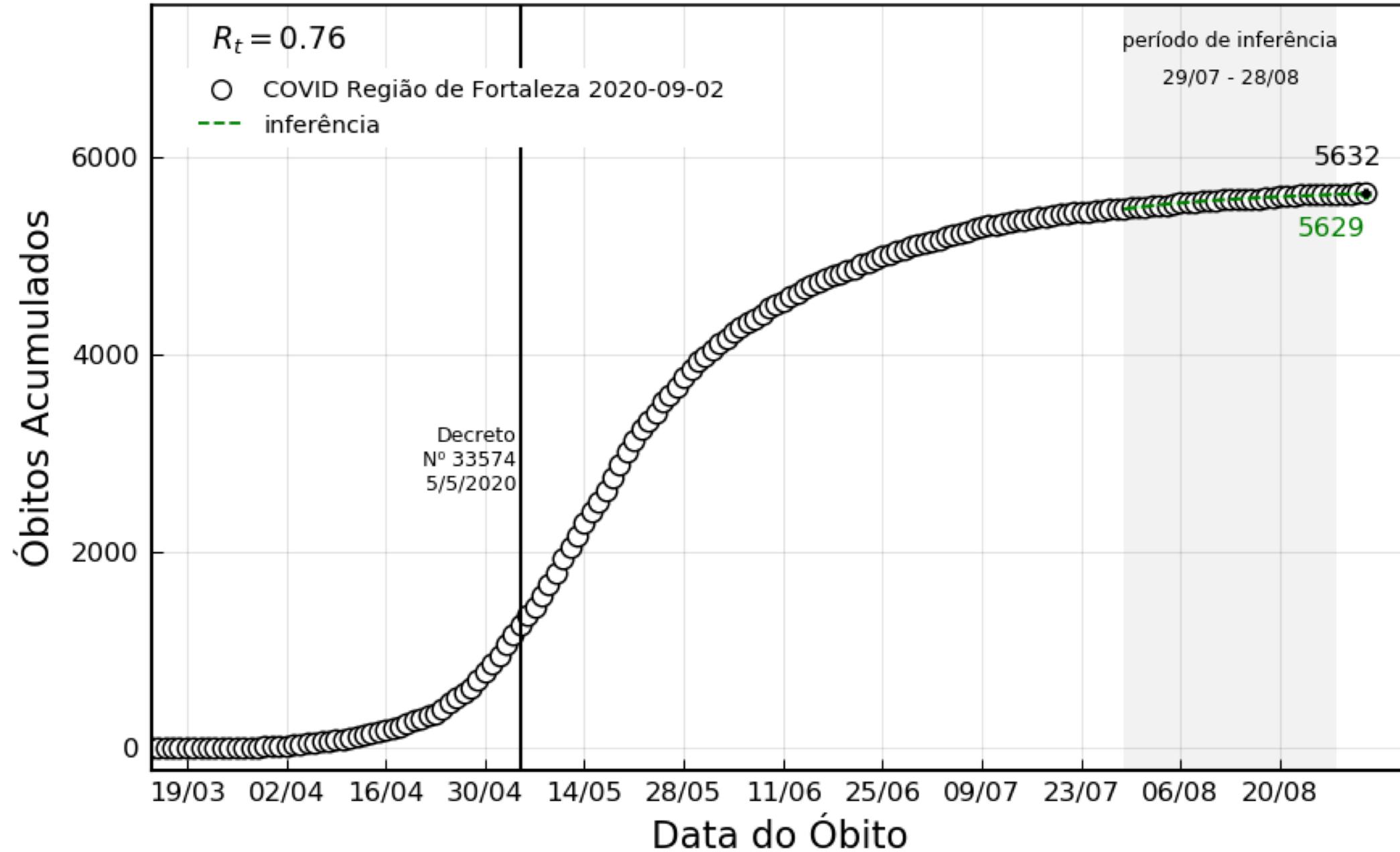
Região de Fortaleza



Região de Fortaleza

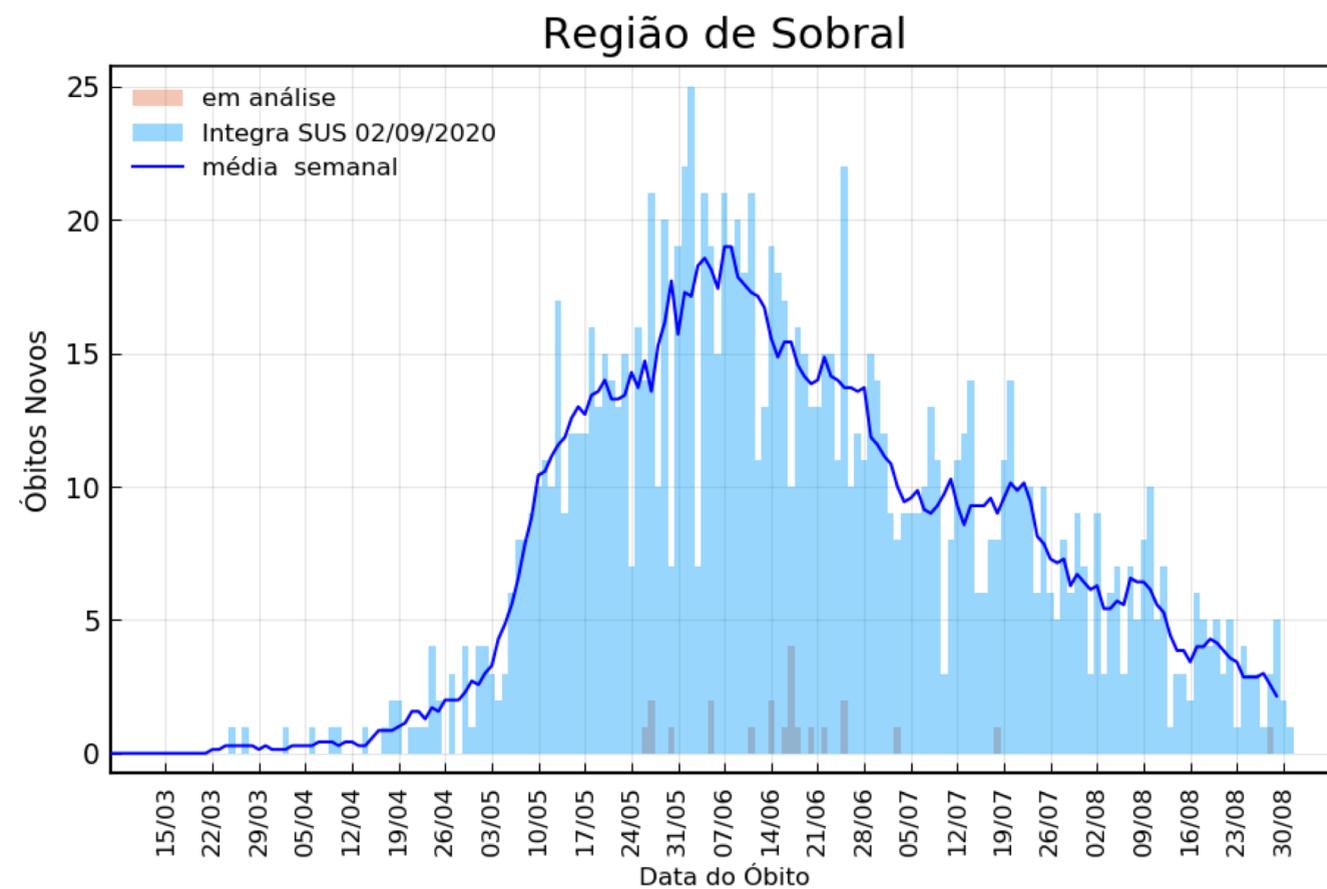
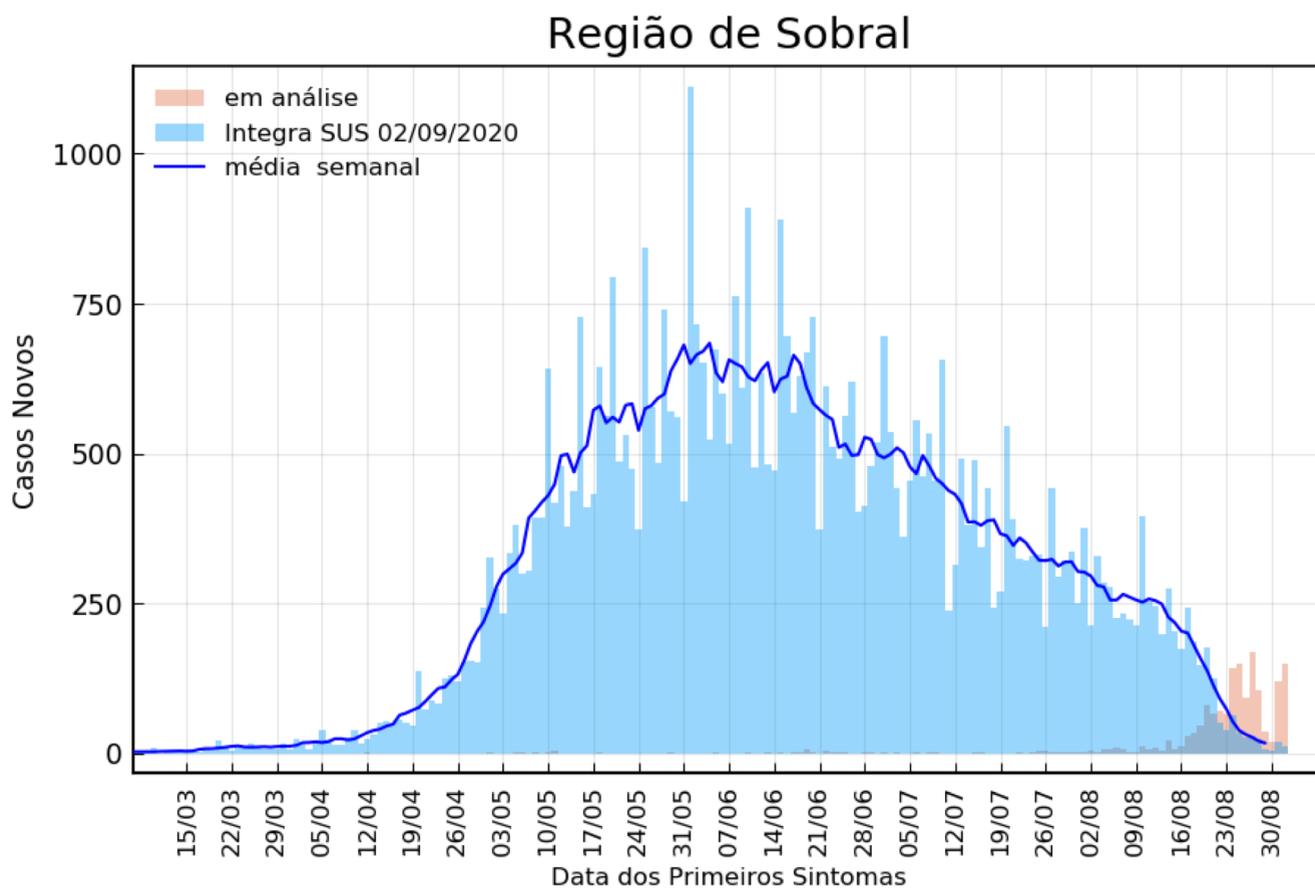


Região de Fortaleza

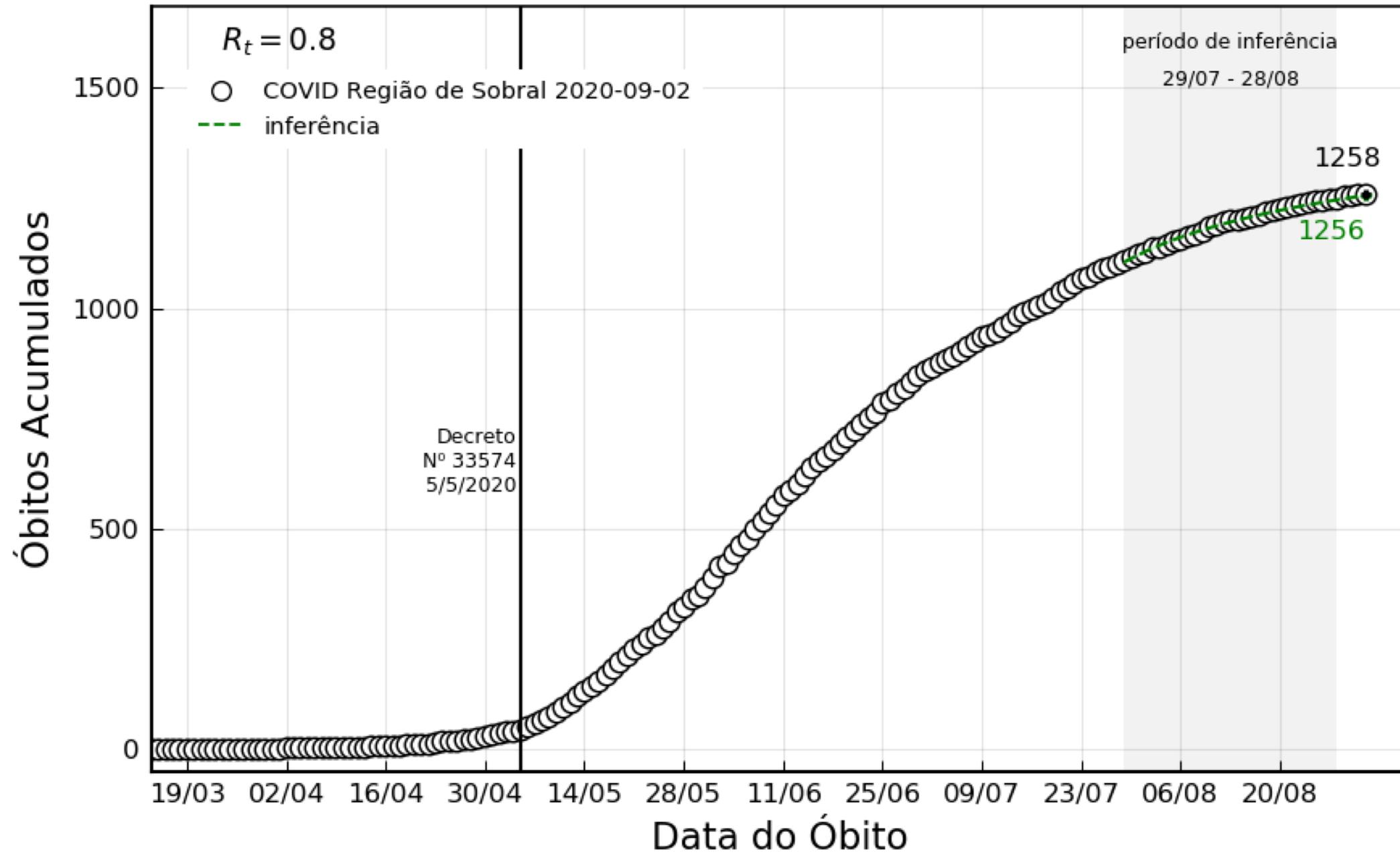


Região Sobral

Dados atualizados em 02/09/2020

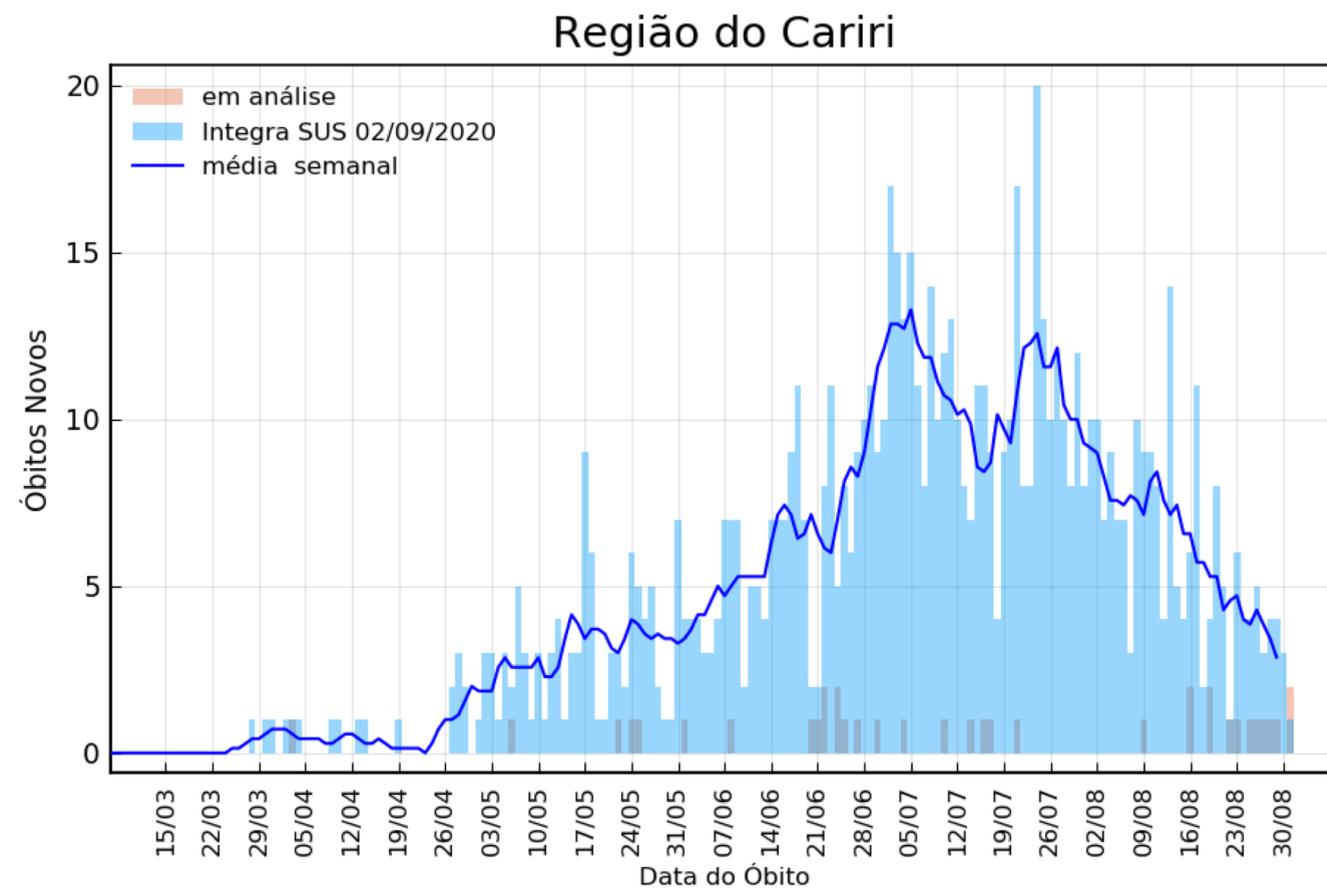
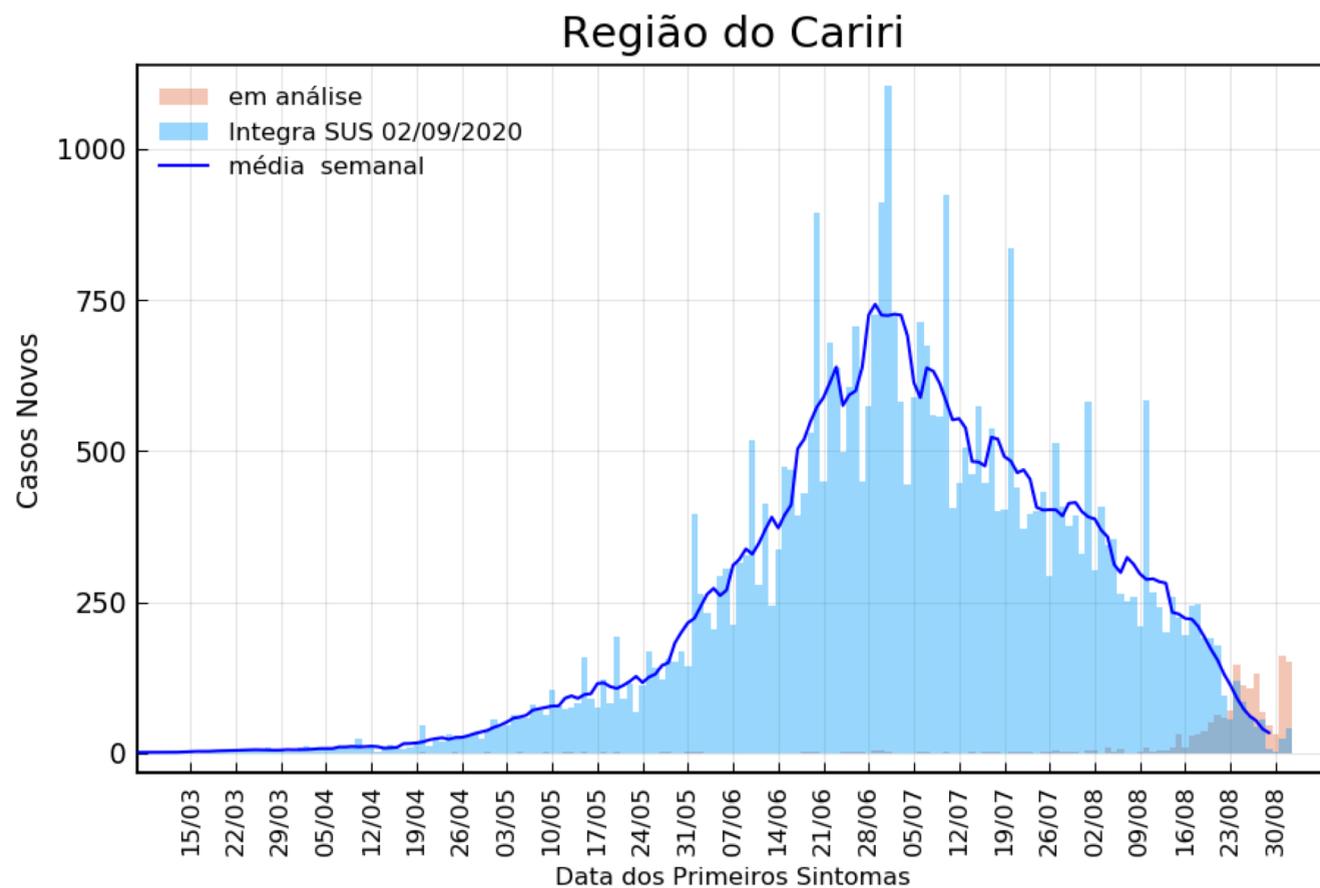


Região de Sobral

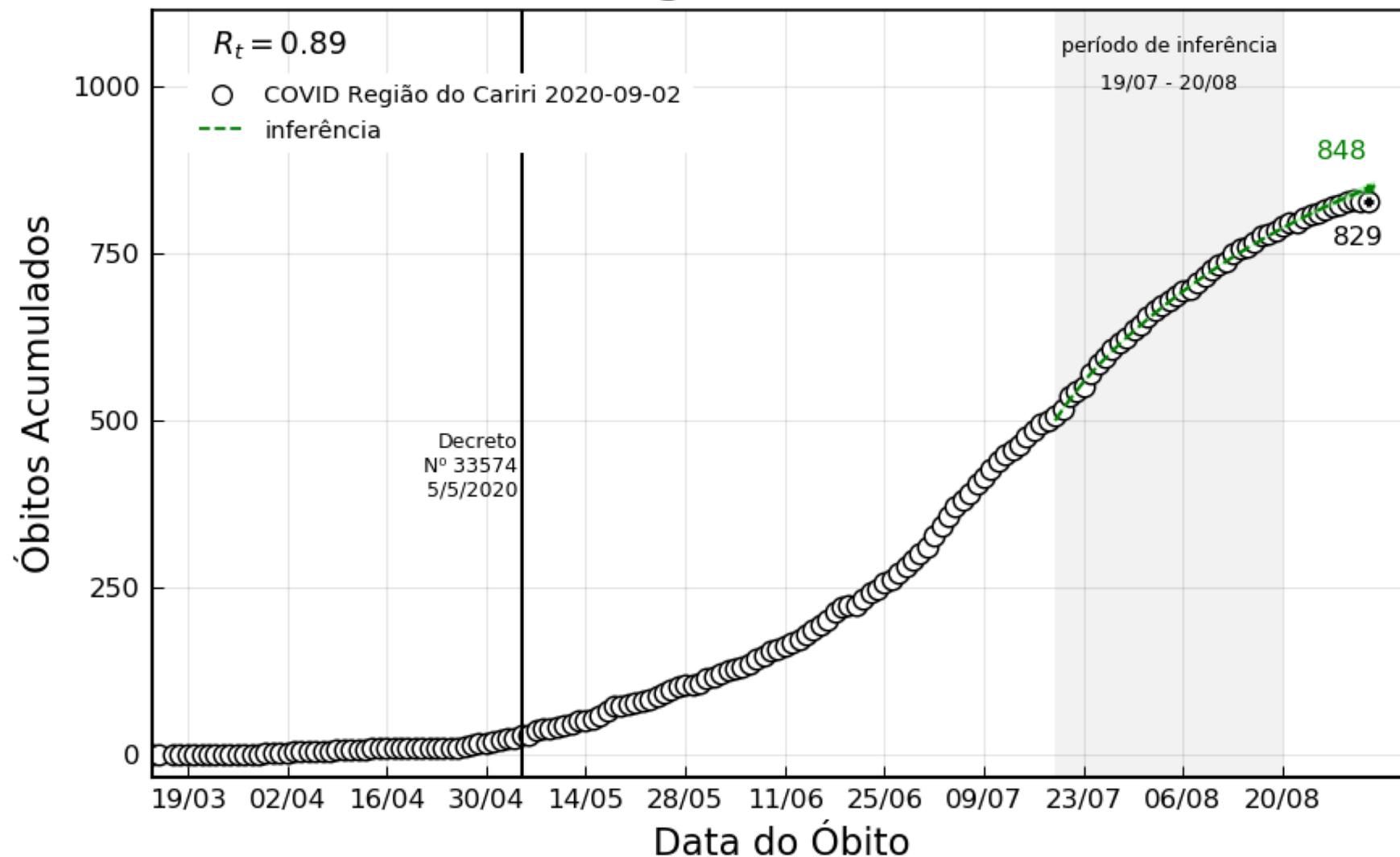


Região Cariri

Dados atualizados em 02/09/2020



Região do Cariri

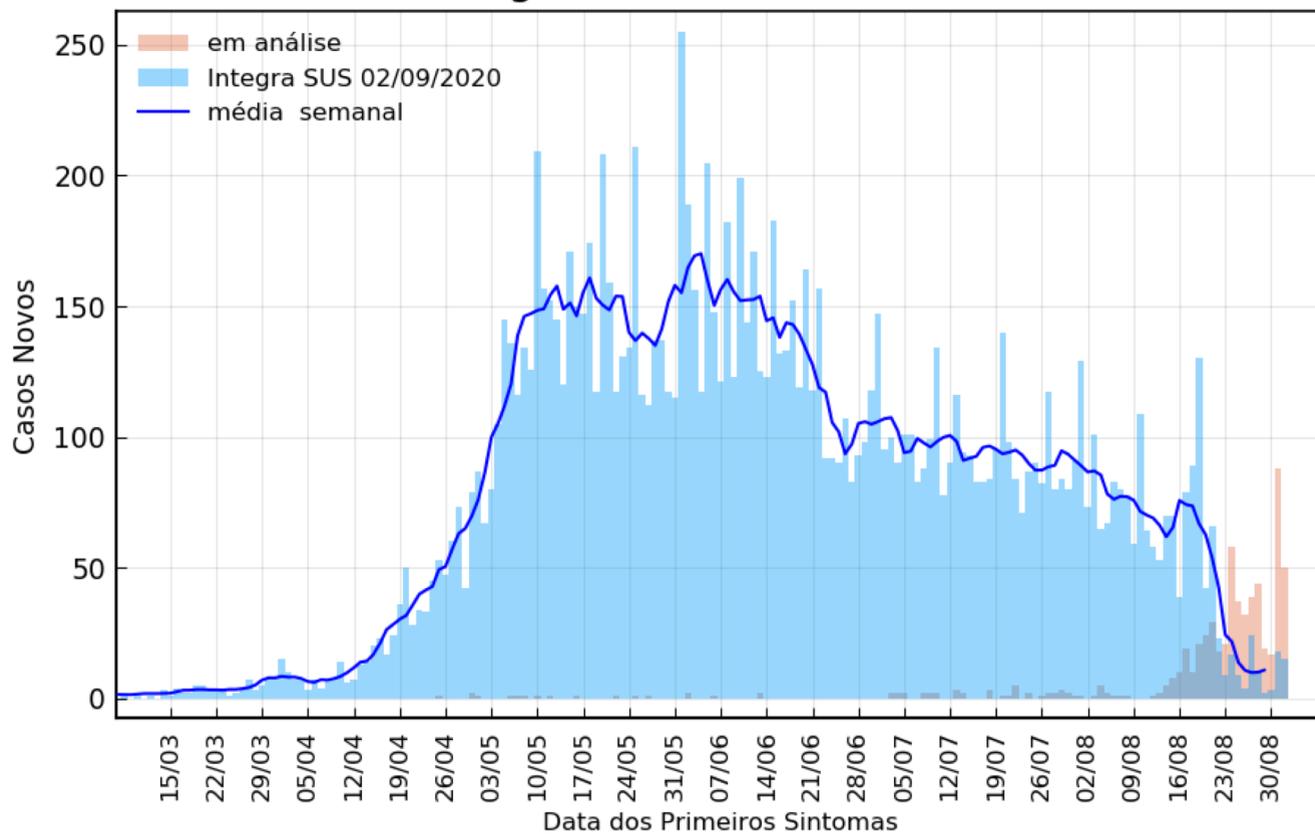


Janela de Inferência	R_t
01/05 – 10/06 (casos)	1.35
01/06 – 05/07 (óbitos)	1.25
07/06 – 11/07 (óbitos)	1.23
14/06 – 18/07 (óbitos)	1.12
21/06 – 25/07 (óbitos)	1.02
28/06 – 30/07 (óbitos)	1.05
05/07 – 06/08 (óbitos)	1.08
12/07 – 13/08 (óbitos)	0.98
19/07 – 20/08 (óbitos)	0.89

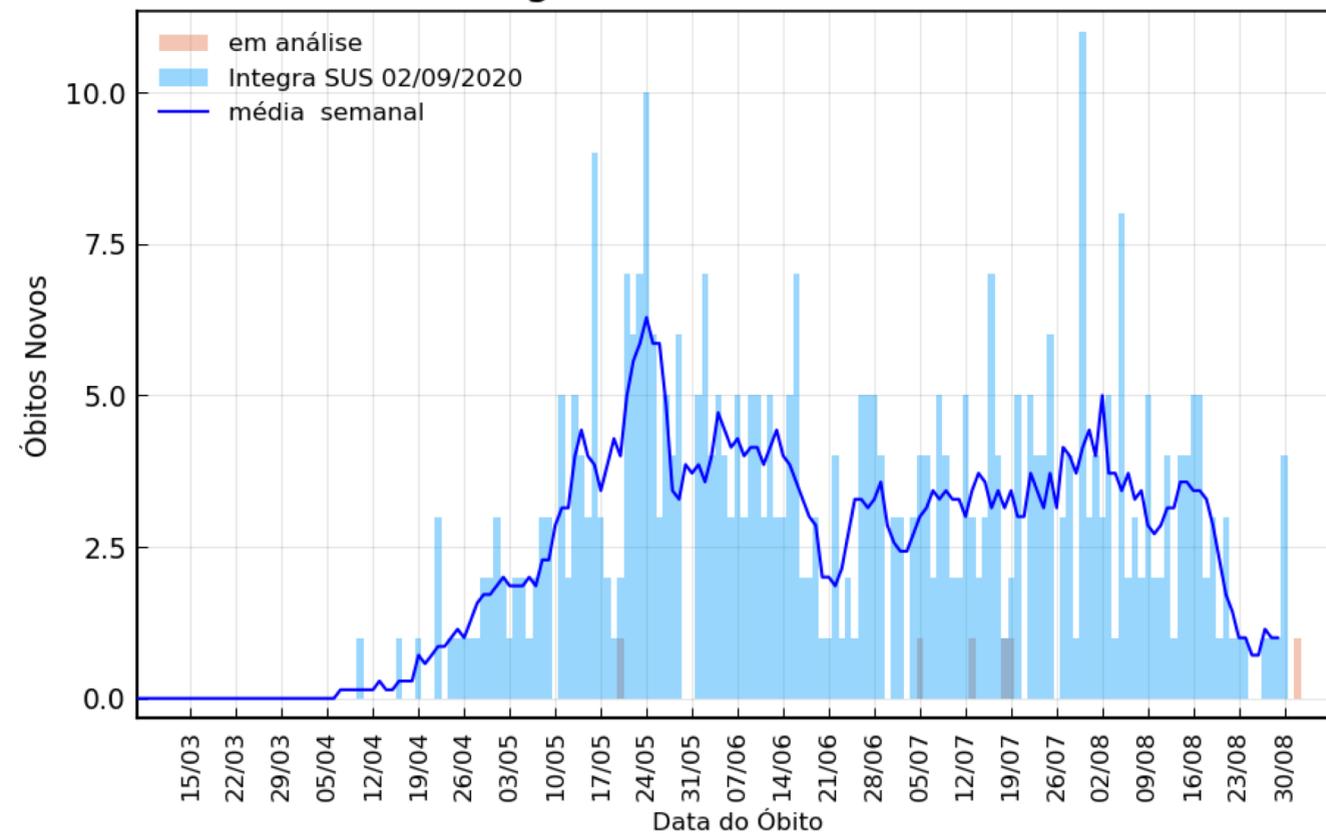
Região Sertão Central

Dados atualizados em 02/09/2020

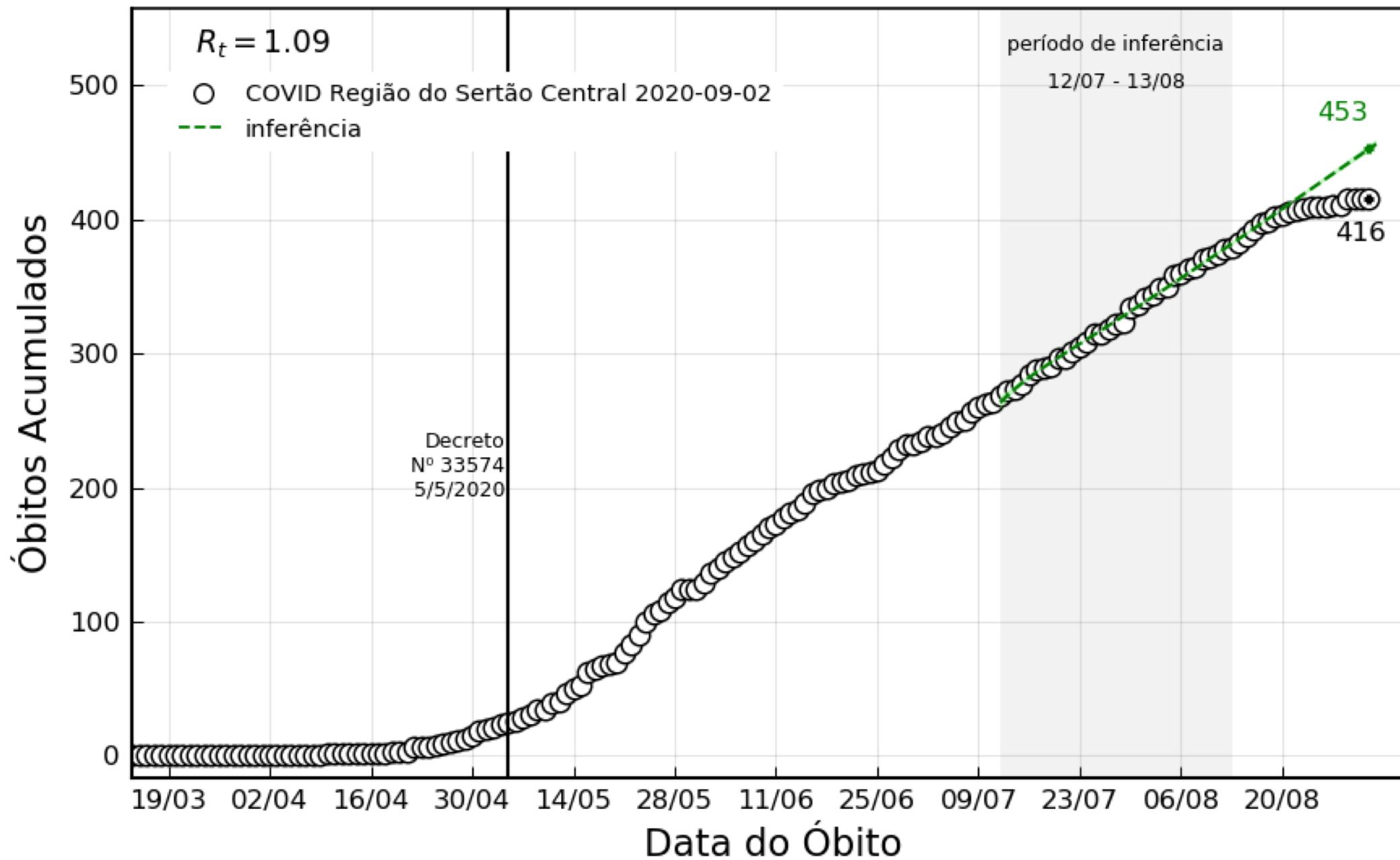
Região do Sertão Central



Região do Sertão Central



Região do Sertão Central

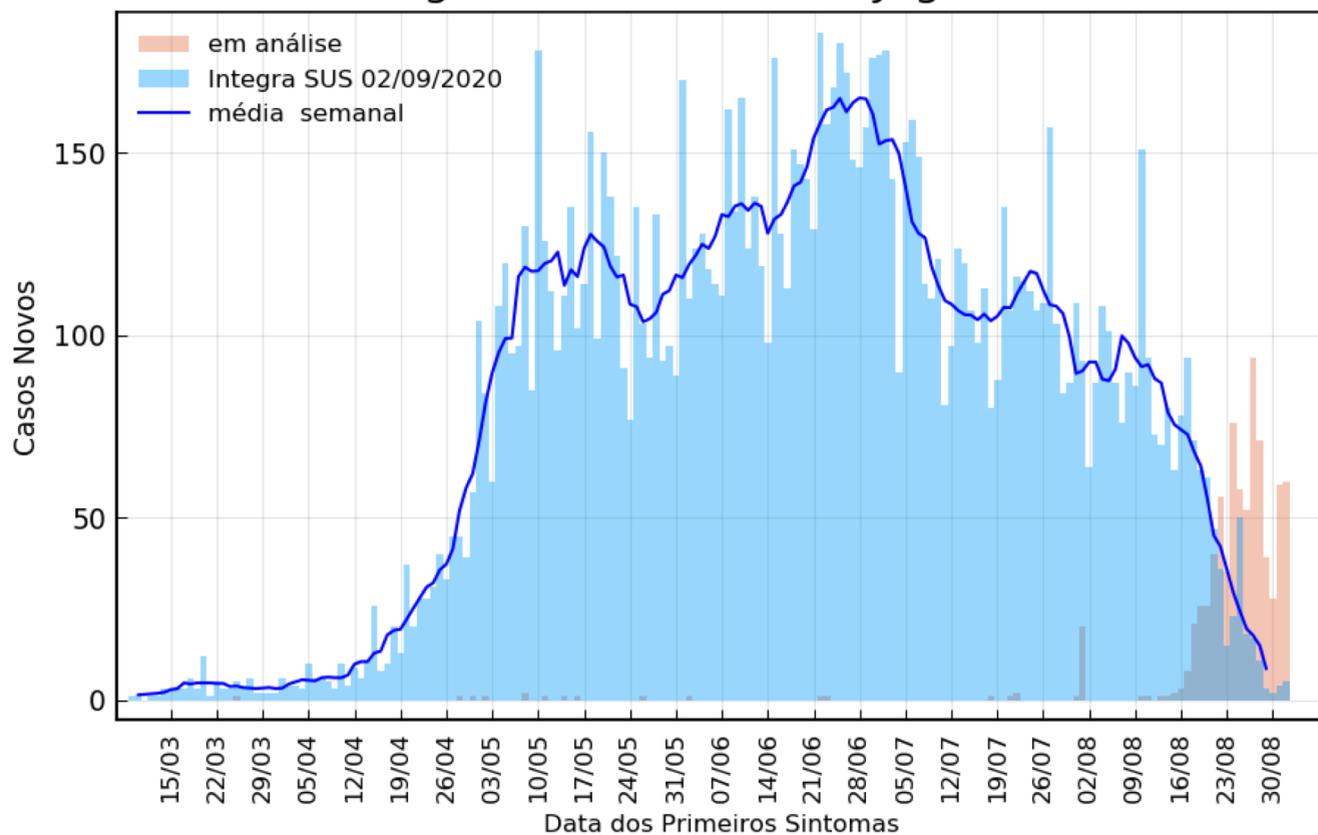


Região

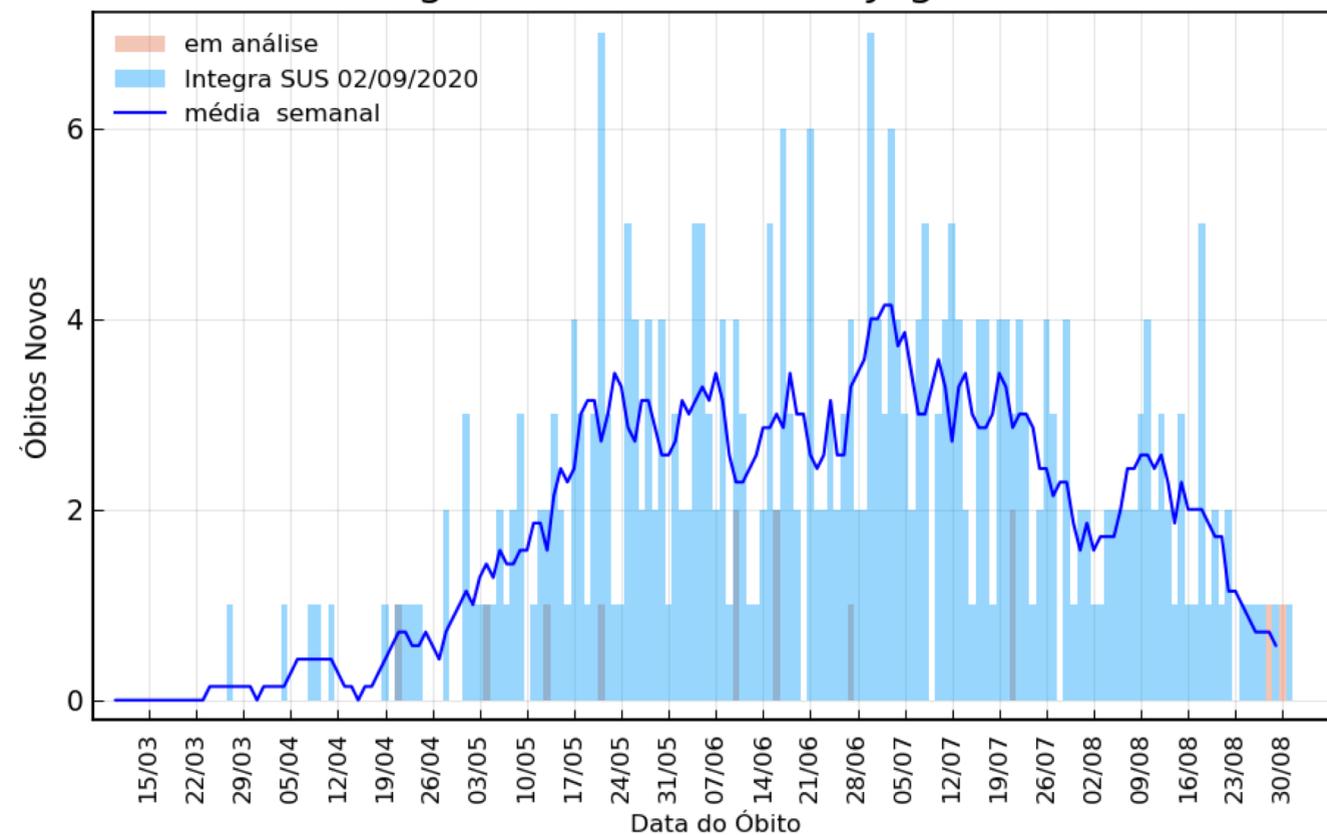
Litoral Leste/Jaguaribe

Dados atualizados em 02/09/2020

Região do Litoral Leste/Jaguaribe



Região do Litoral Leste/Jaguaribe



Região do Litoral Leste/Jaguaribe

