



Universidade Federal do Ceará

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

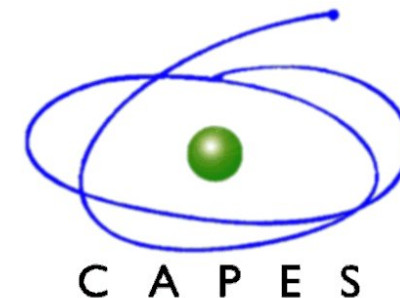
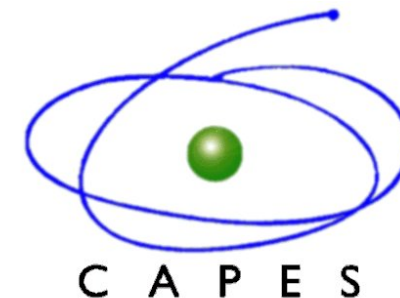
**Equipe Cientista-Chefe de Dados (UFC & CAPP-IPECE):**

**José Soares de Andrade (UFC-Física)**

**Humberto Carmona (UFC-Física)**

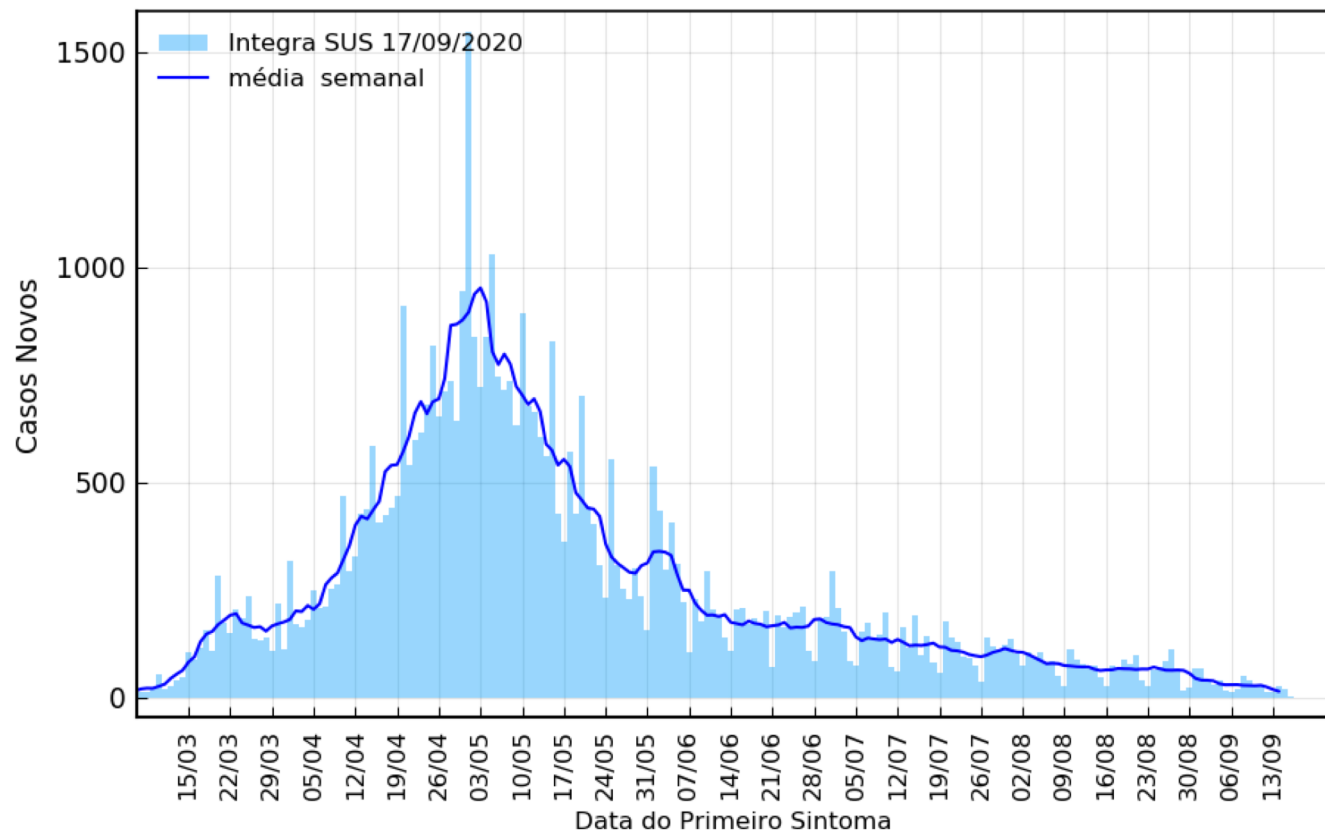
**Rilder Pires (CAPP-IPECE-SEPLAG)**

**Saulo Reis (UFC-Física)**

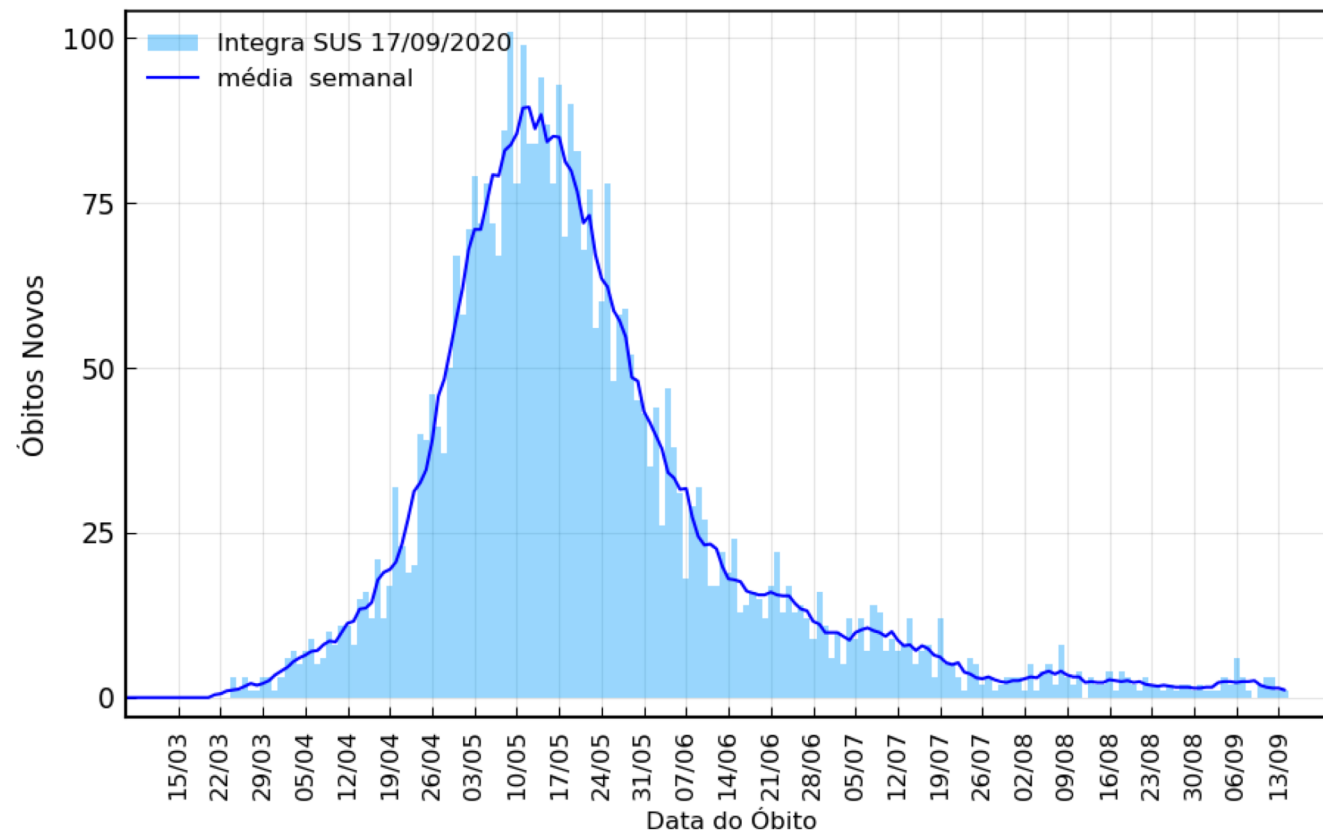


**Fortaleza**

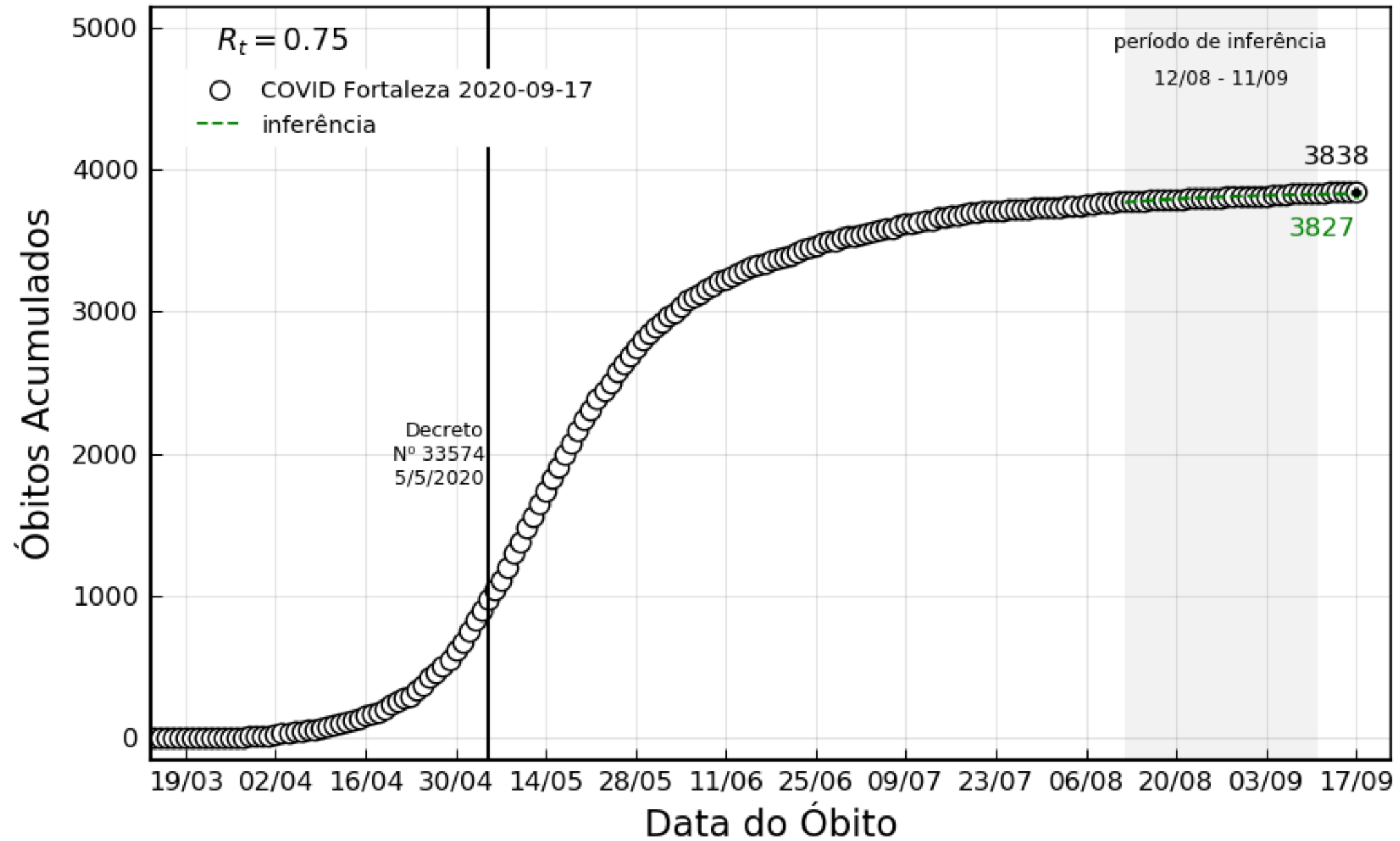
### Fortaleza



### Fortaleza

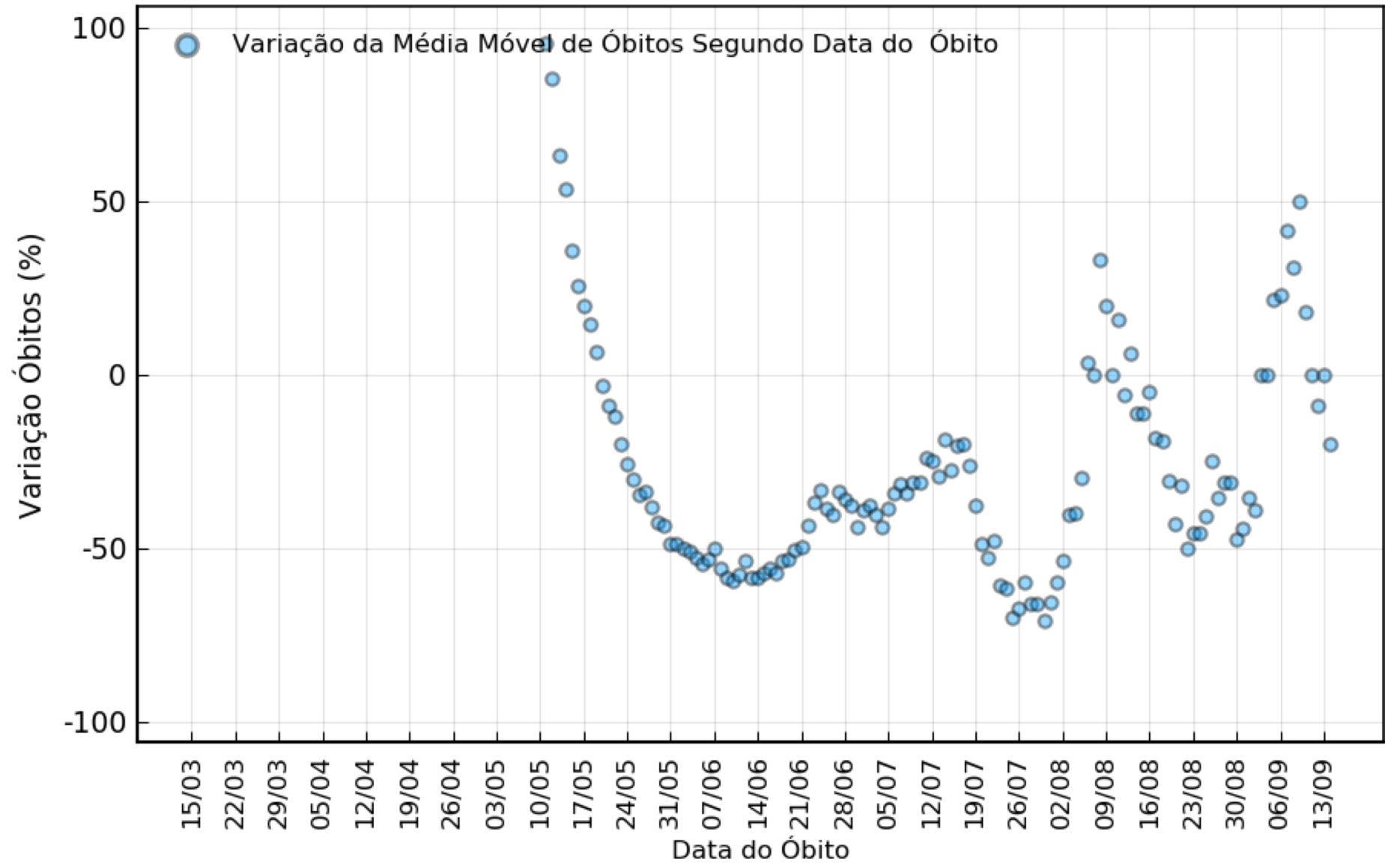


# Fortaleza



# Varição percentual diária da média móvel semanal de óbitos com relação à média obtida 14 dias atrás (data do óbito como referência)

## Integra SUS 17/09/2020 - Fortaleza



$$V_{G1} = \frac{\bar{O}(d) - \bar{O}(d - 14)}{\bar{O}(d - 14)} \times 100$$

# 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

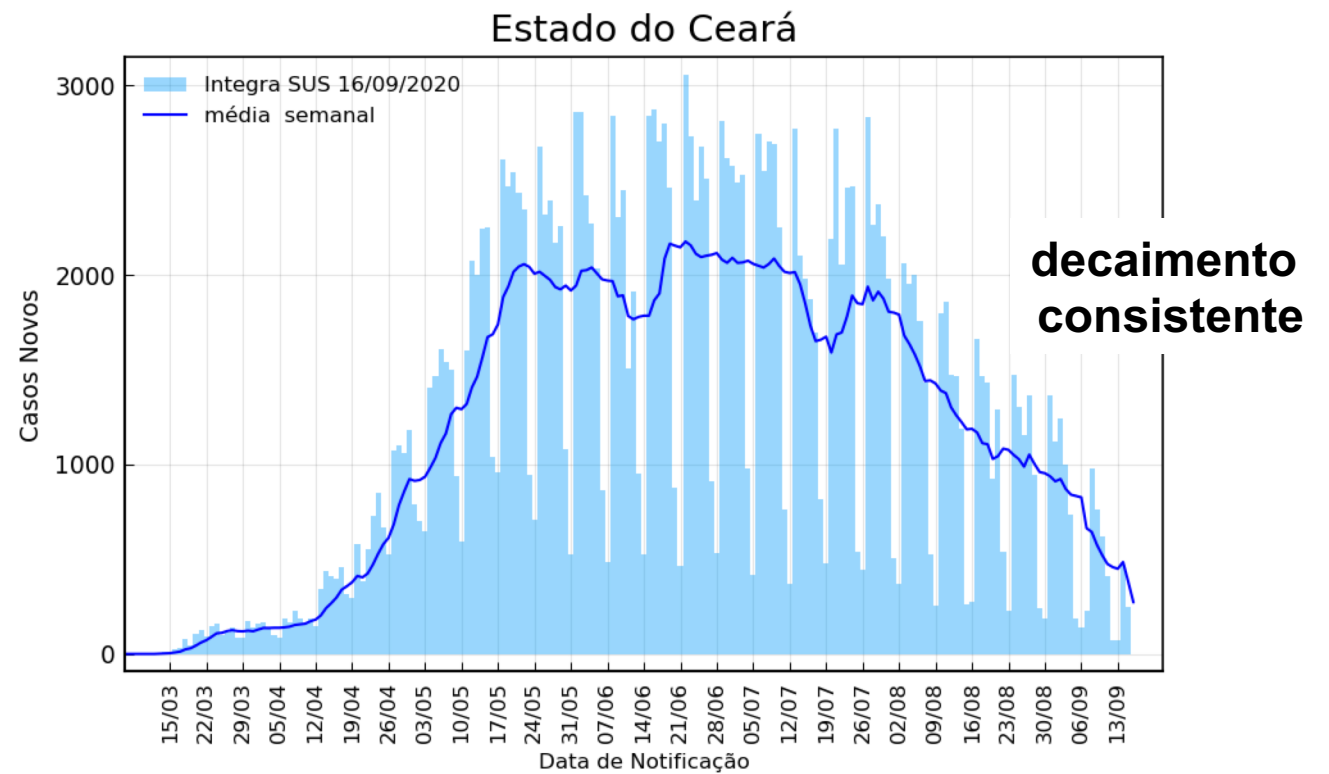
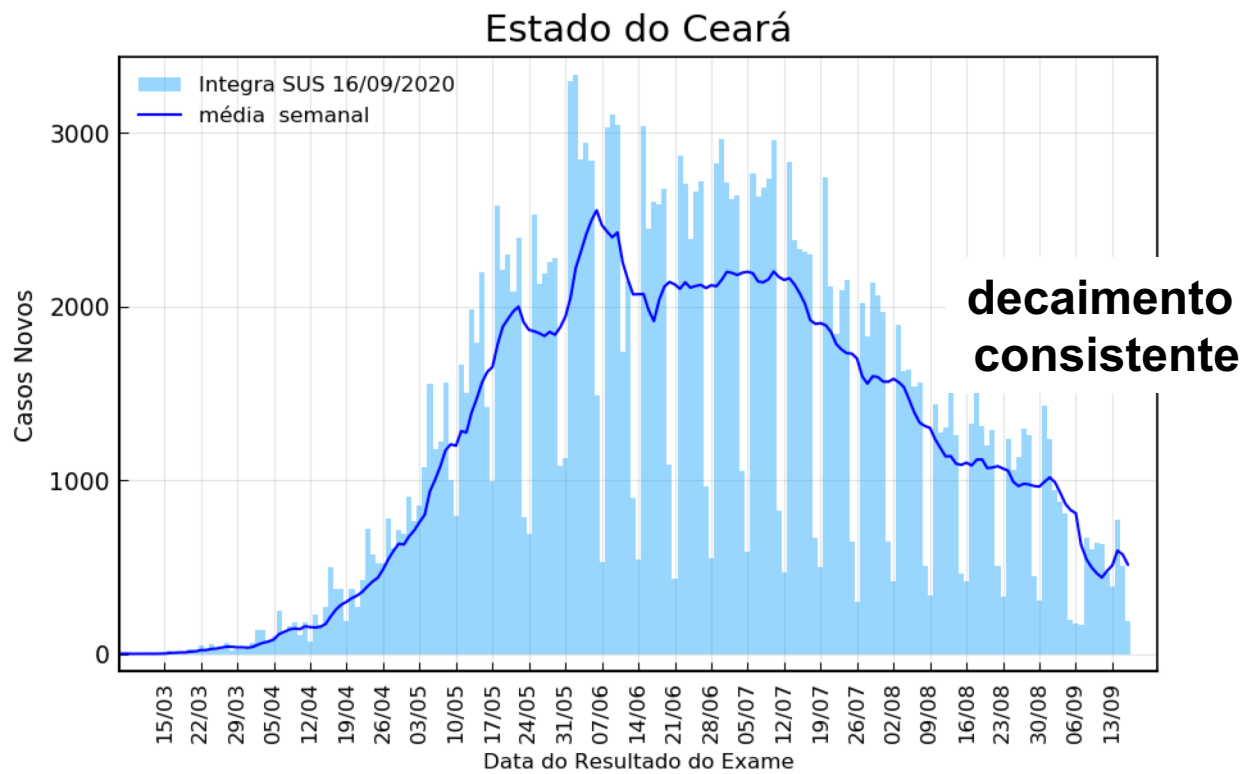
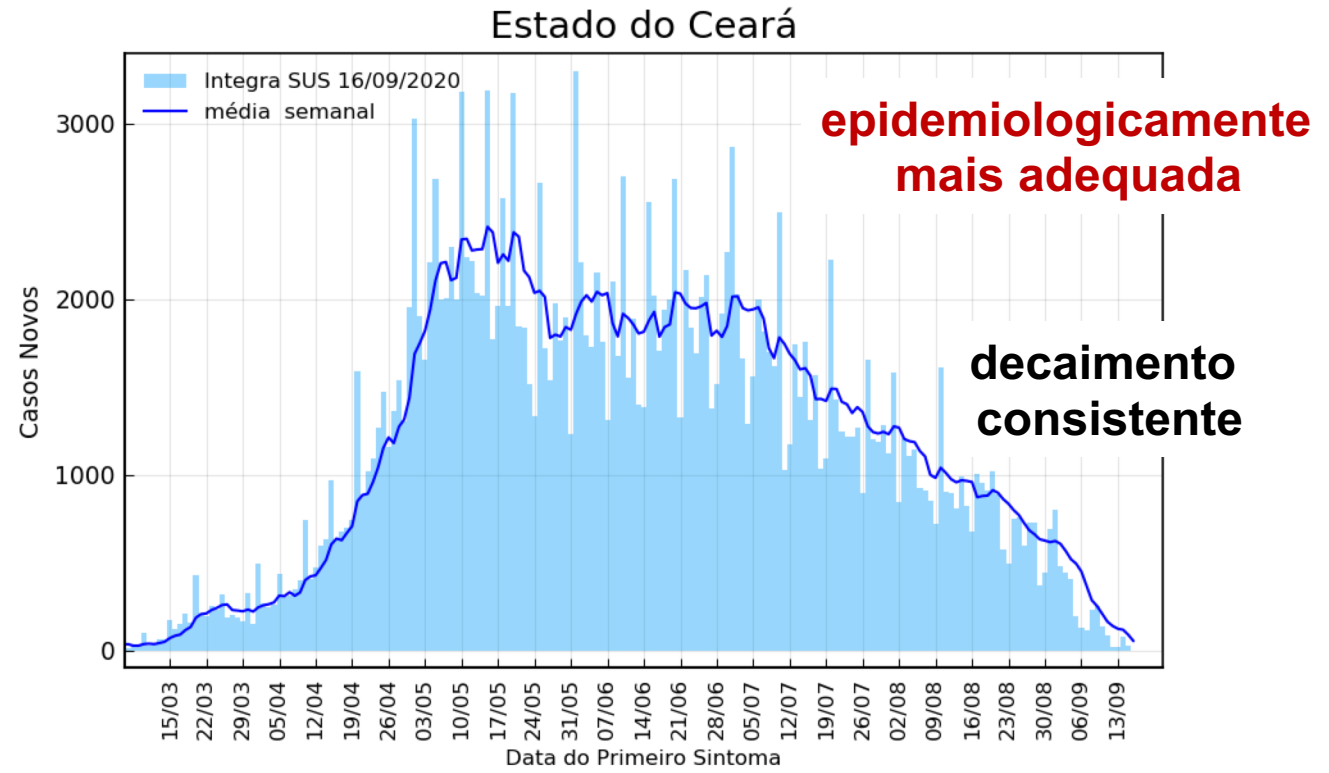
População do Ceará = 9.187.103 habitantes

**Ceará × G1**

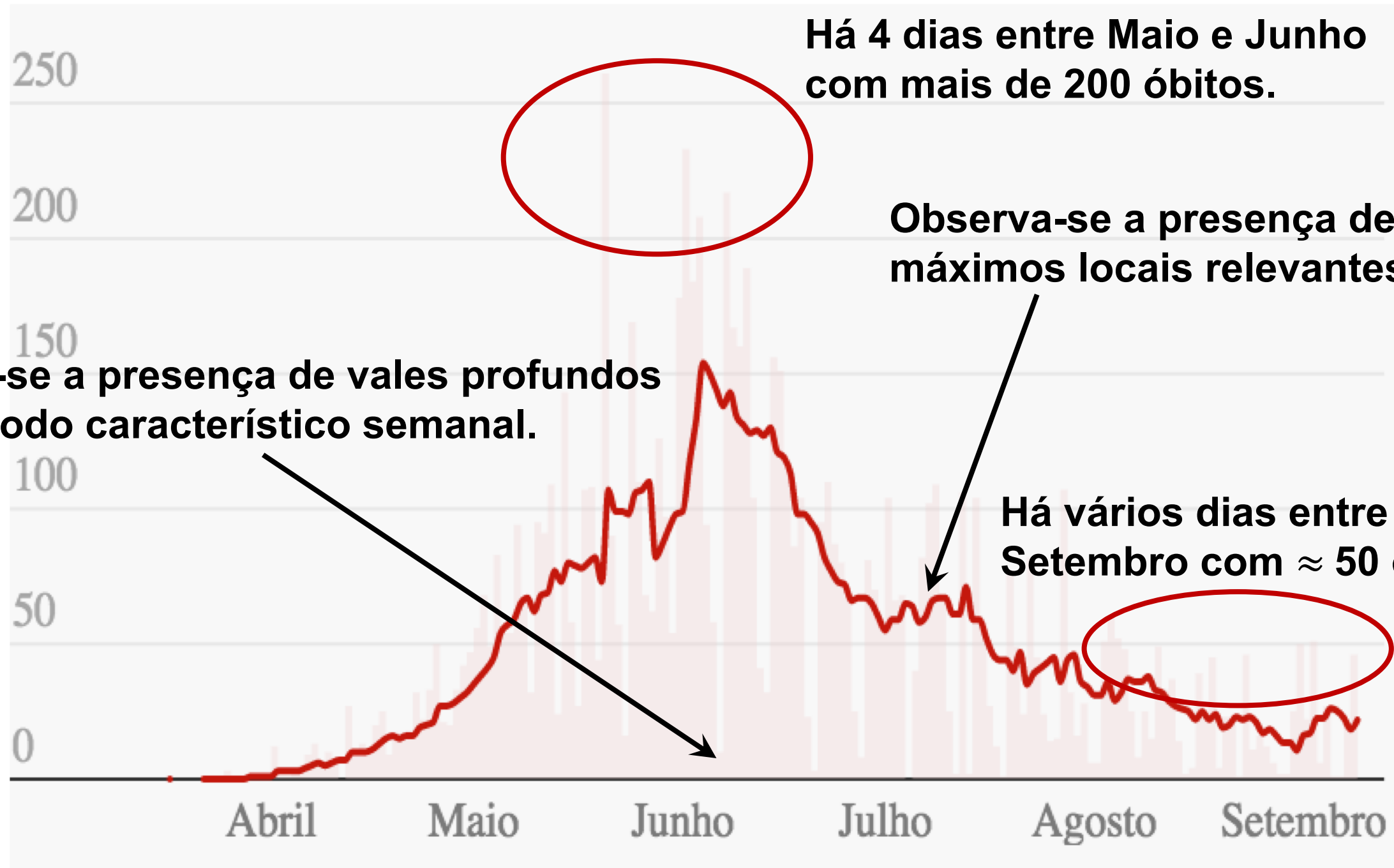
# Casos novos por dia no Ceará – website G1

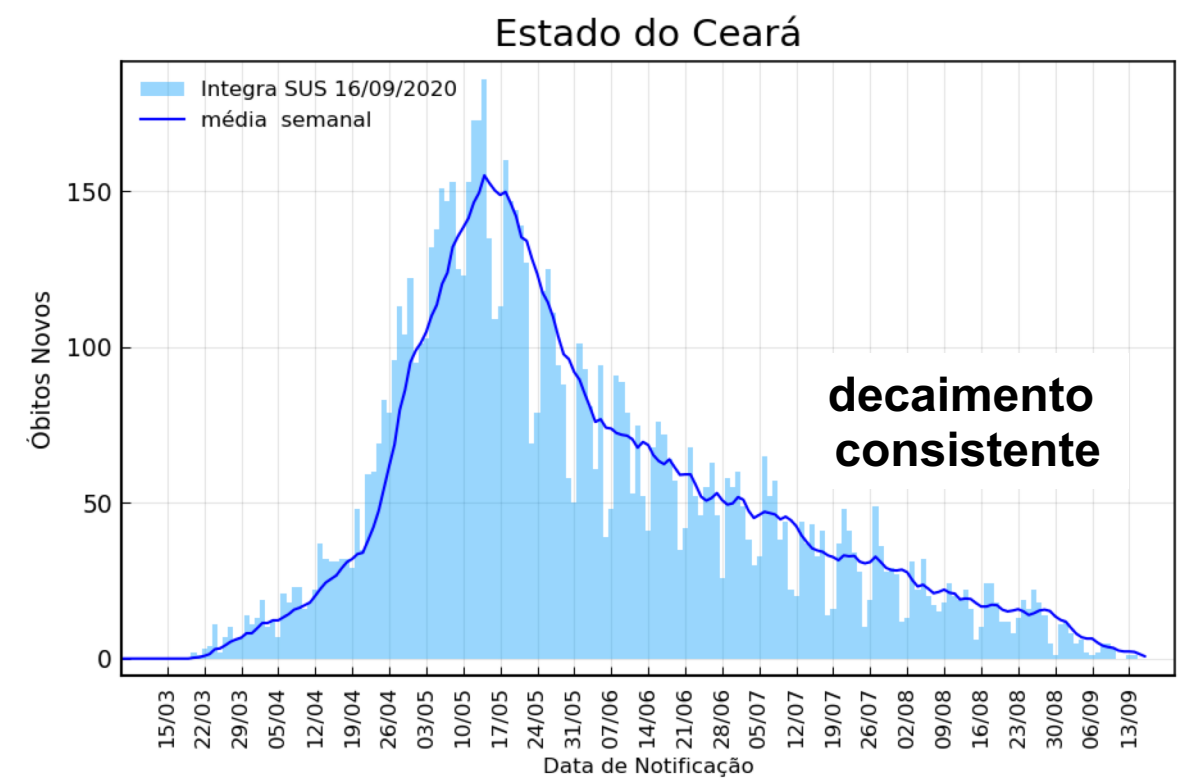
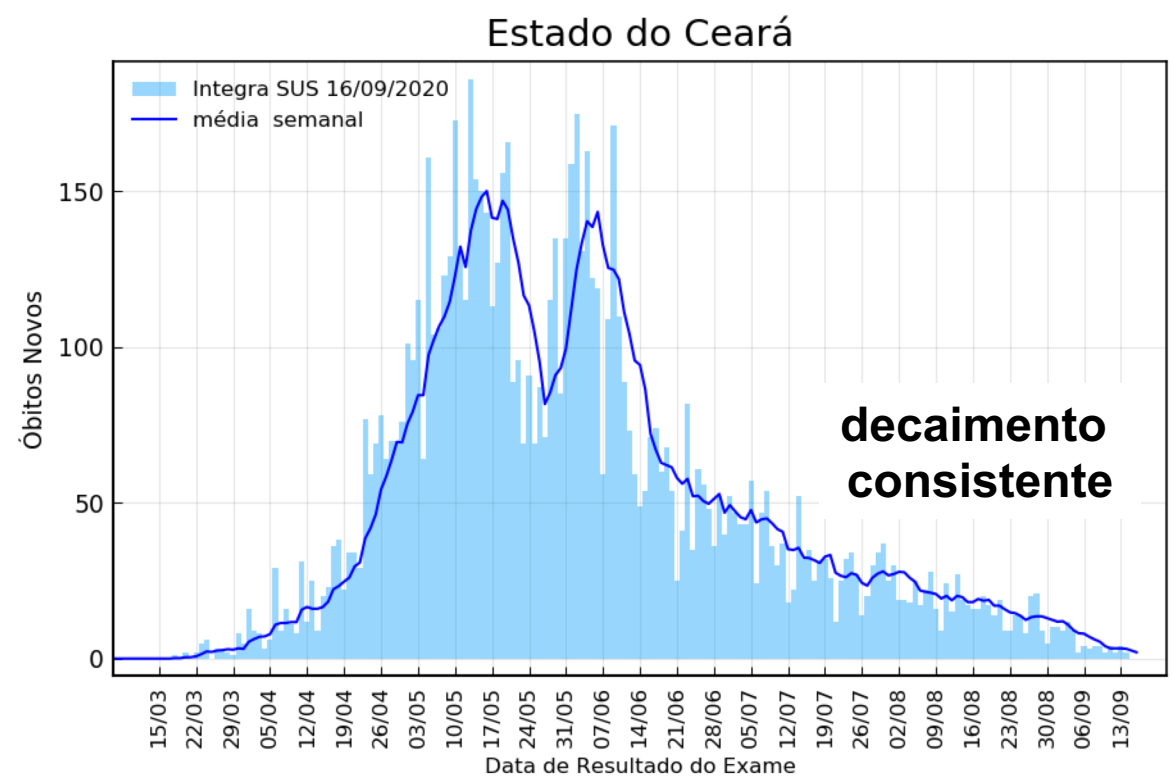
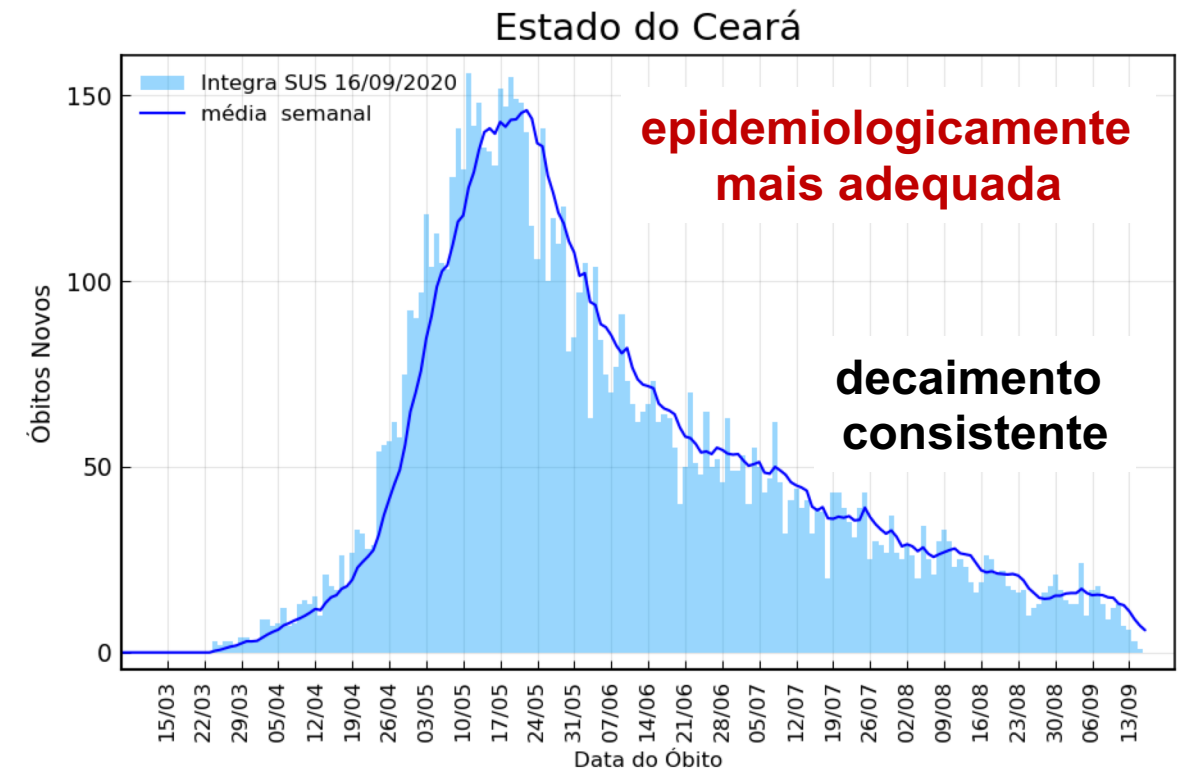
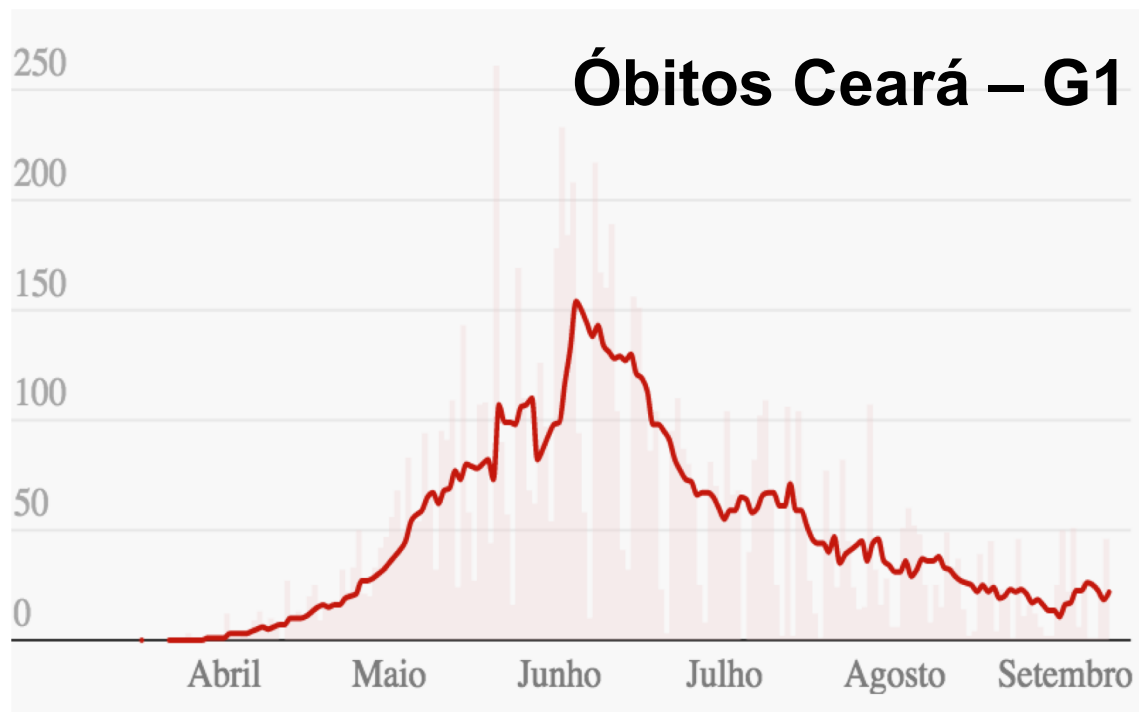






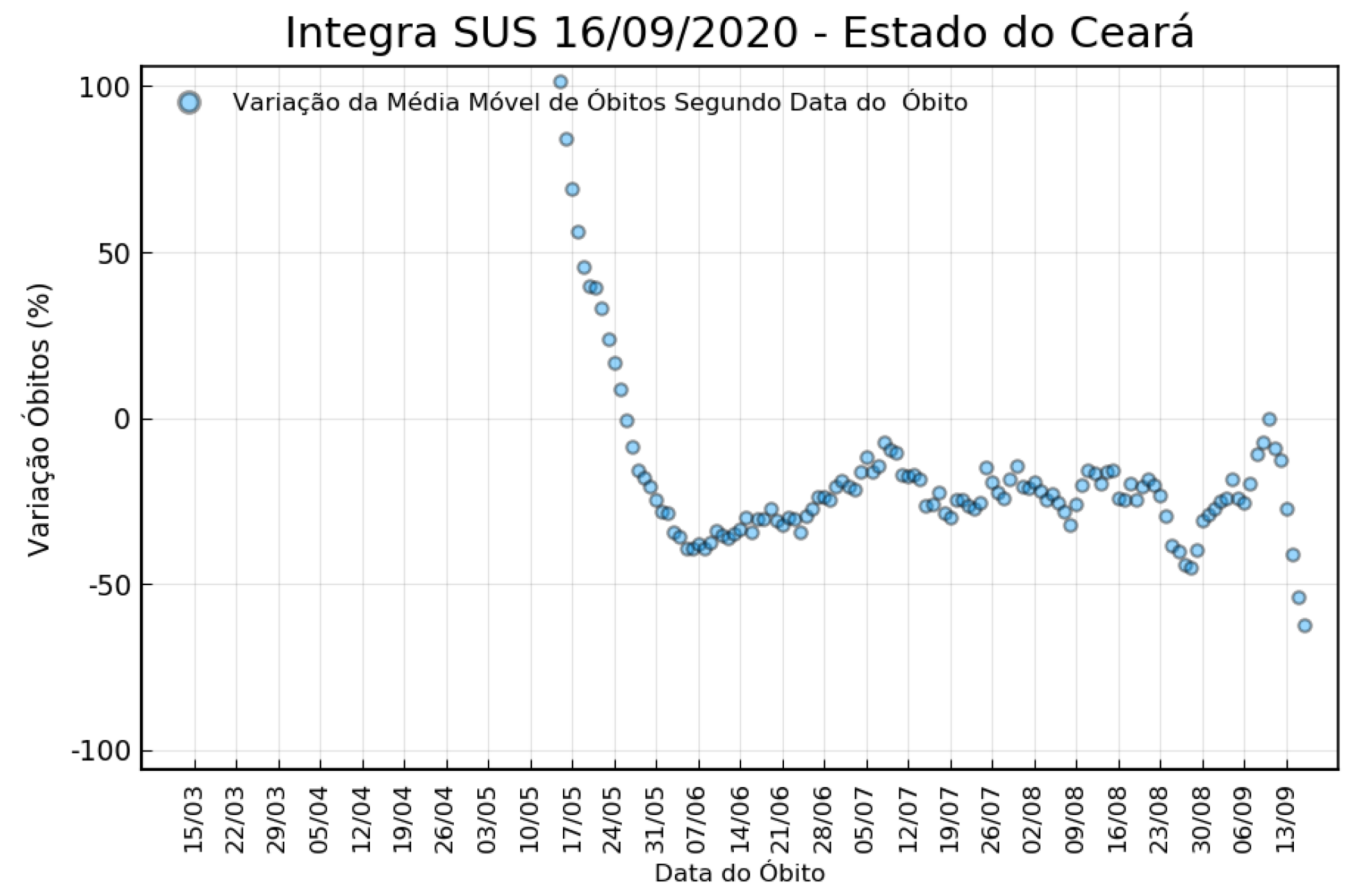
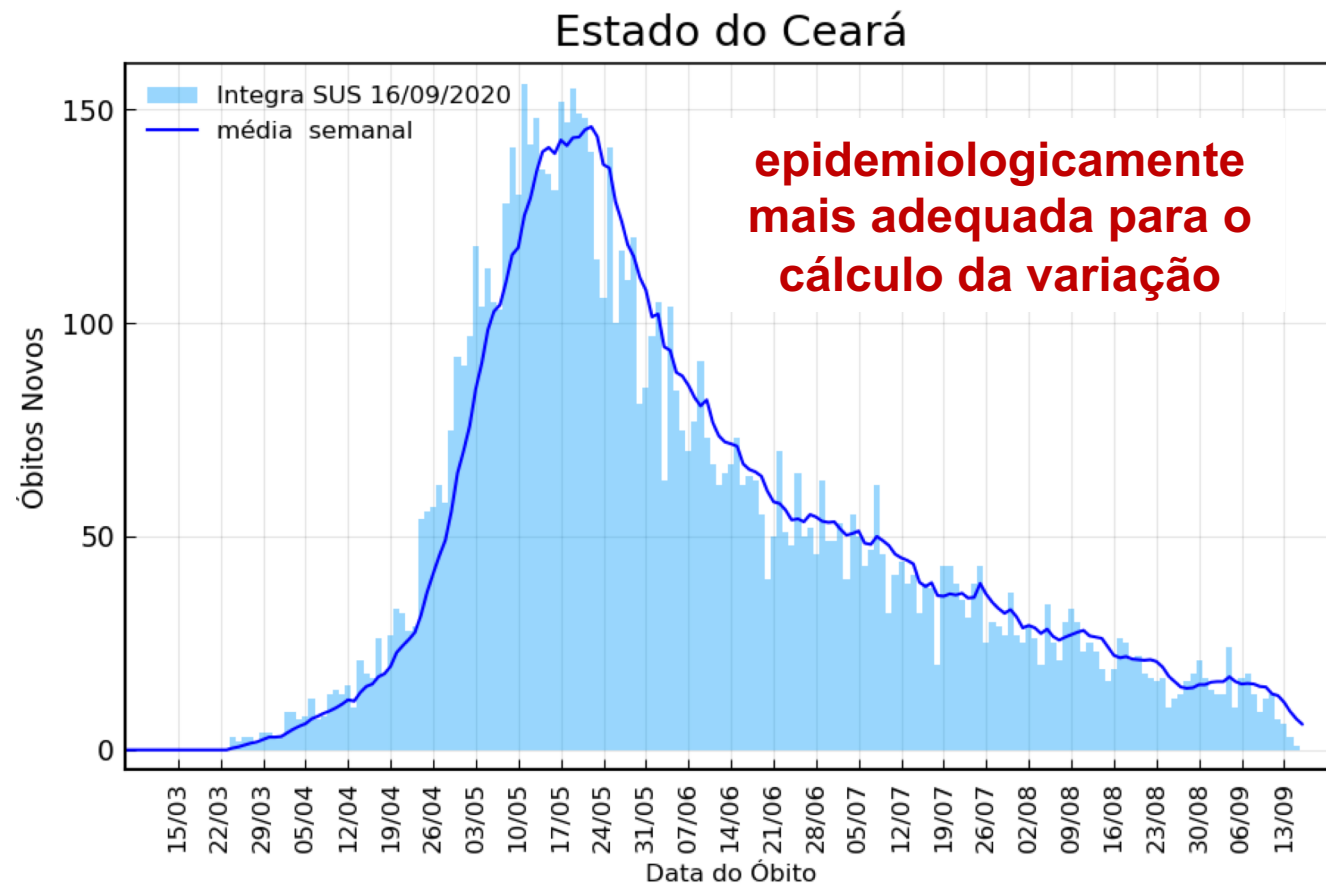
# Óbitos novos por dia no Ceará – website G1





# Variação percentual diária da média móvel semanal de óbitos com relação à média obtida 14 dias atrás (data do óbito como referência)

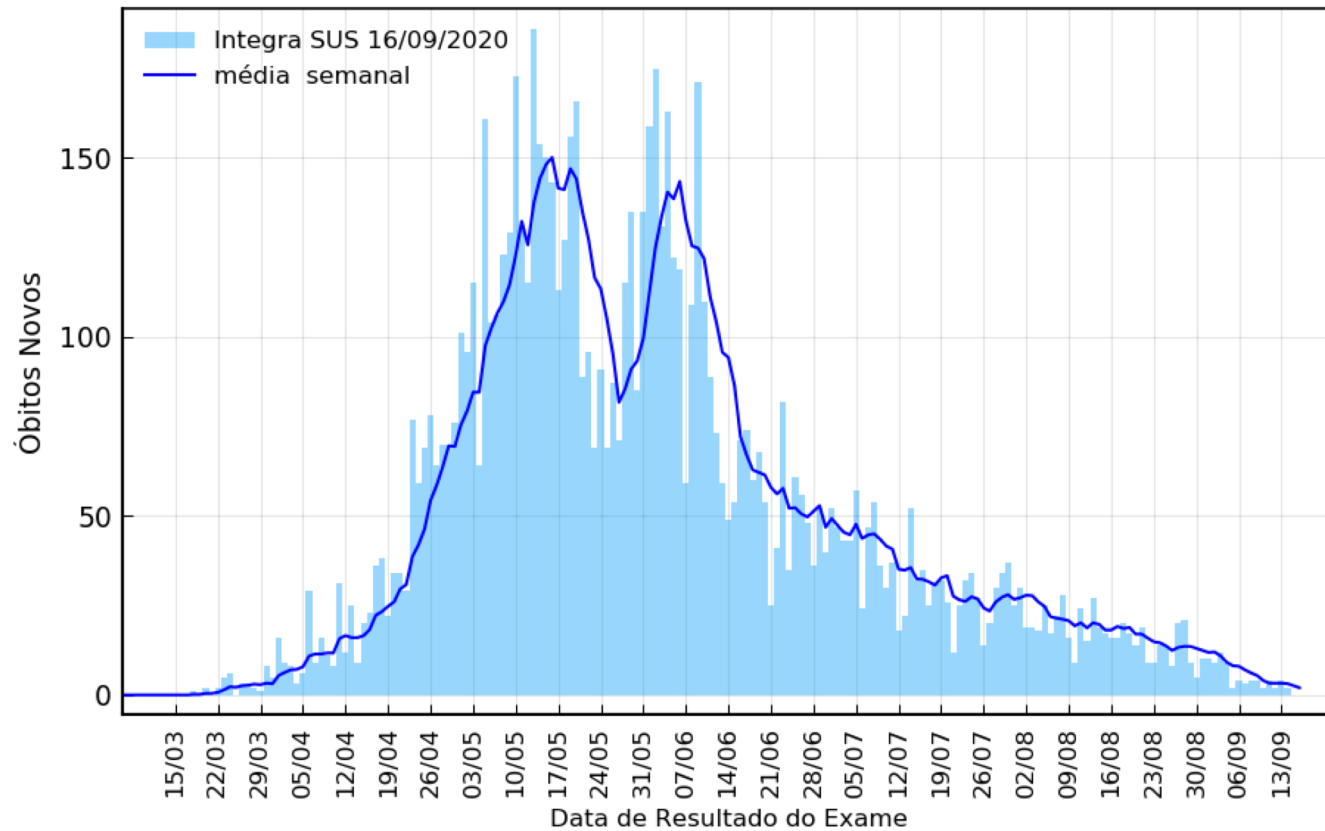
$$\mathcal{V}_{G1} = \frac{\bar{O}(d) - \bar{O}(d - 14)}{\bar{O}(d - 14)} \times 100$$



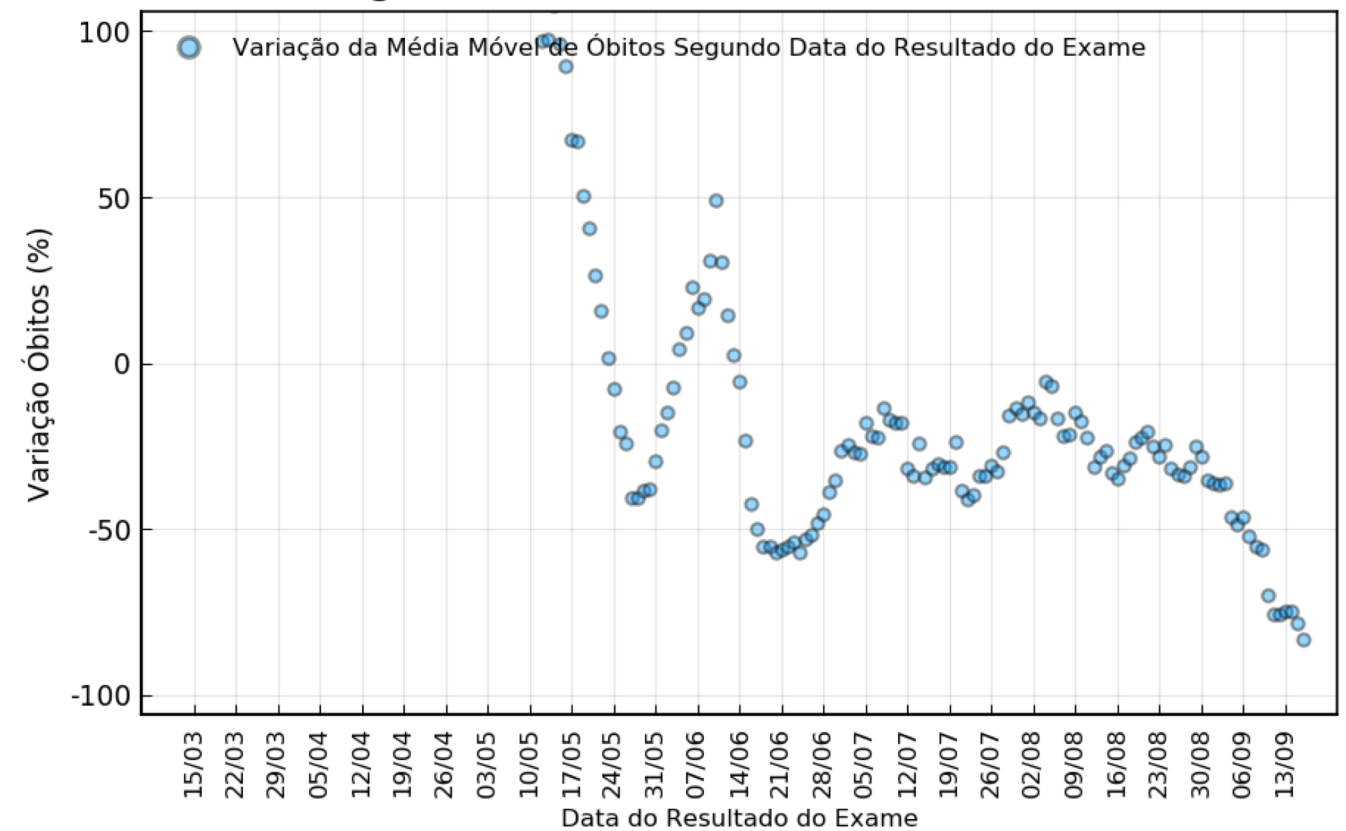
**Nenhum valor positivo detectado após 26/05/2020.**

# Varição percentual diária da média móvel semanal de óbitos com relação à média obtida 14 dias atrás (data do resultado do exame como referência)

Estado do Ceará



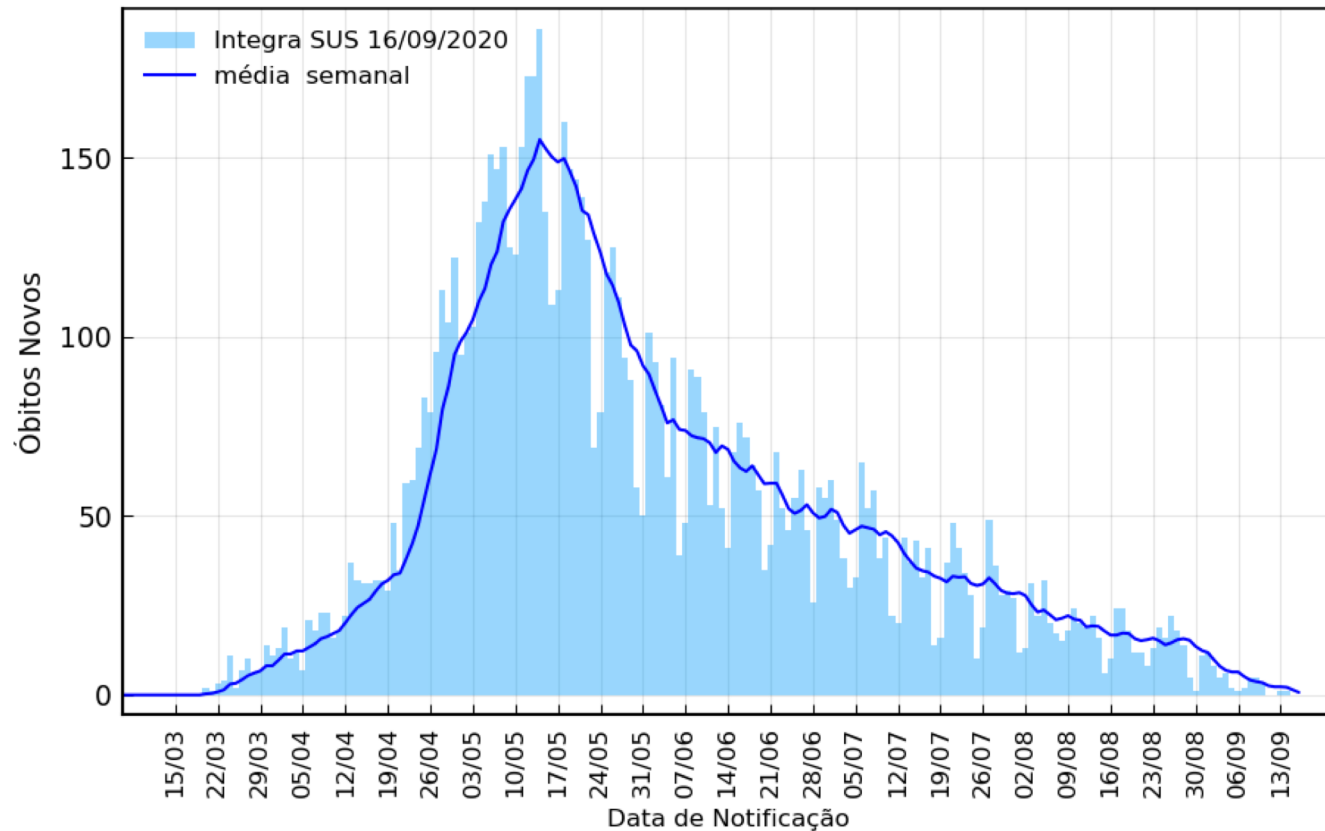
Integra SUS 16/09/2020 - Estado do Ceará



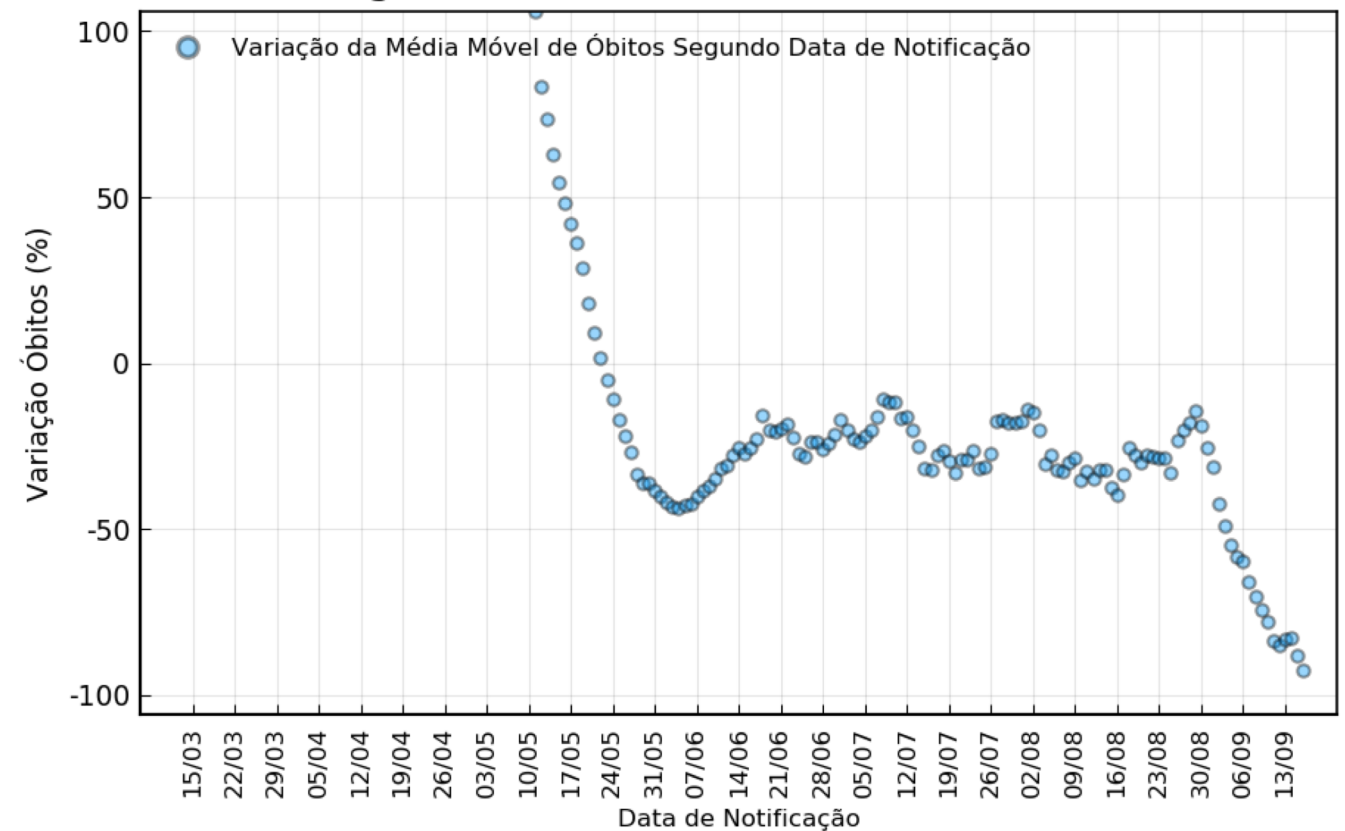
**Nenhum valor positivo detectado após 13/06/2020.**

# Variação percentual diária da média móvel semanal de óbitos com relação à média obtida 14 dias atrás (data da notificação como referência)

Estado do Ceará

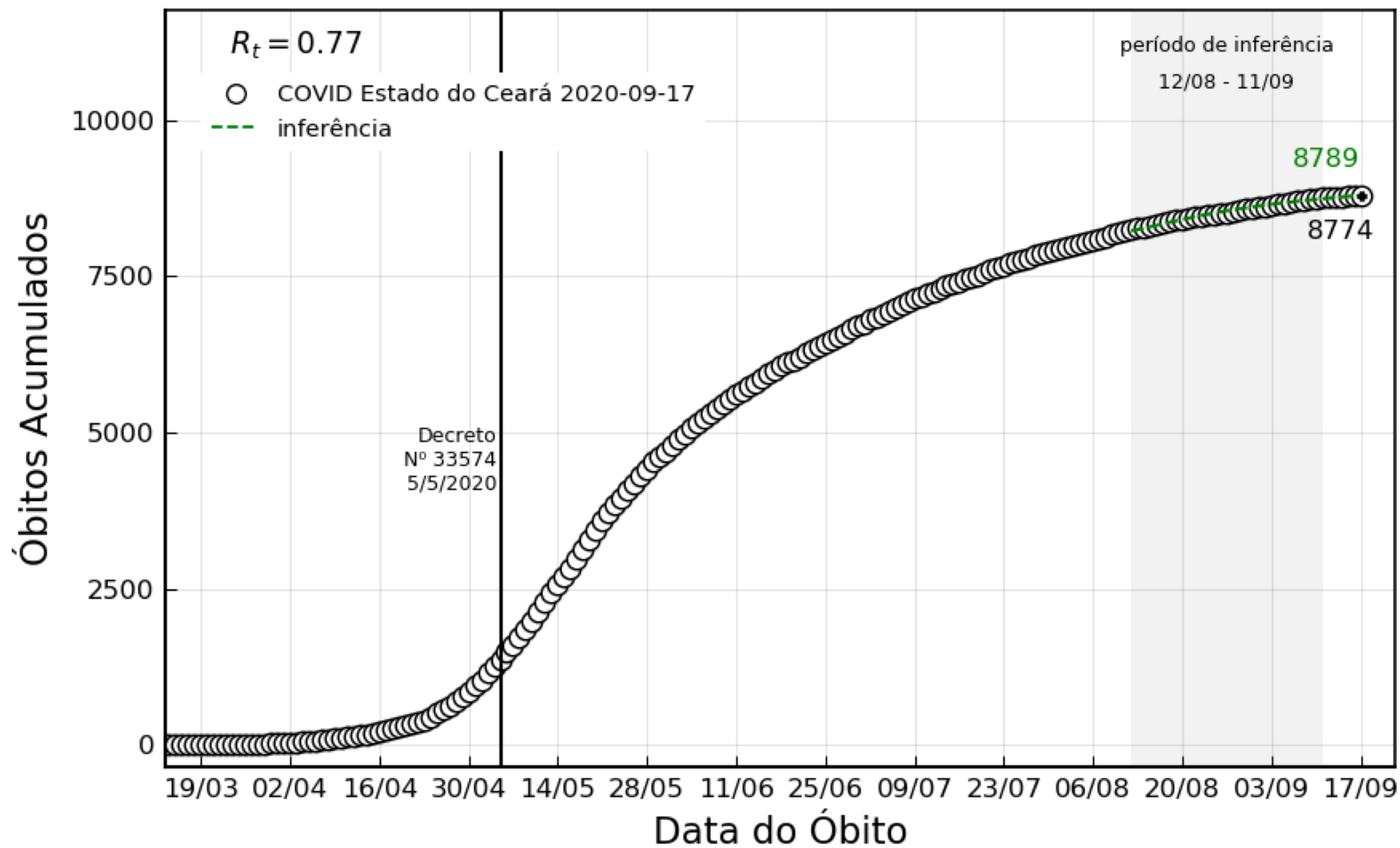


Integra SUS 16/09/2020 - Estado do Ceará



**Nenhum valor positivo detectado após 22/05/2020.**

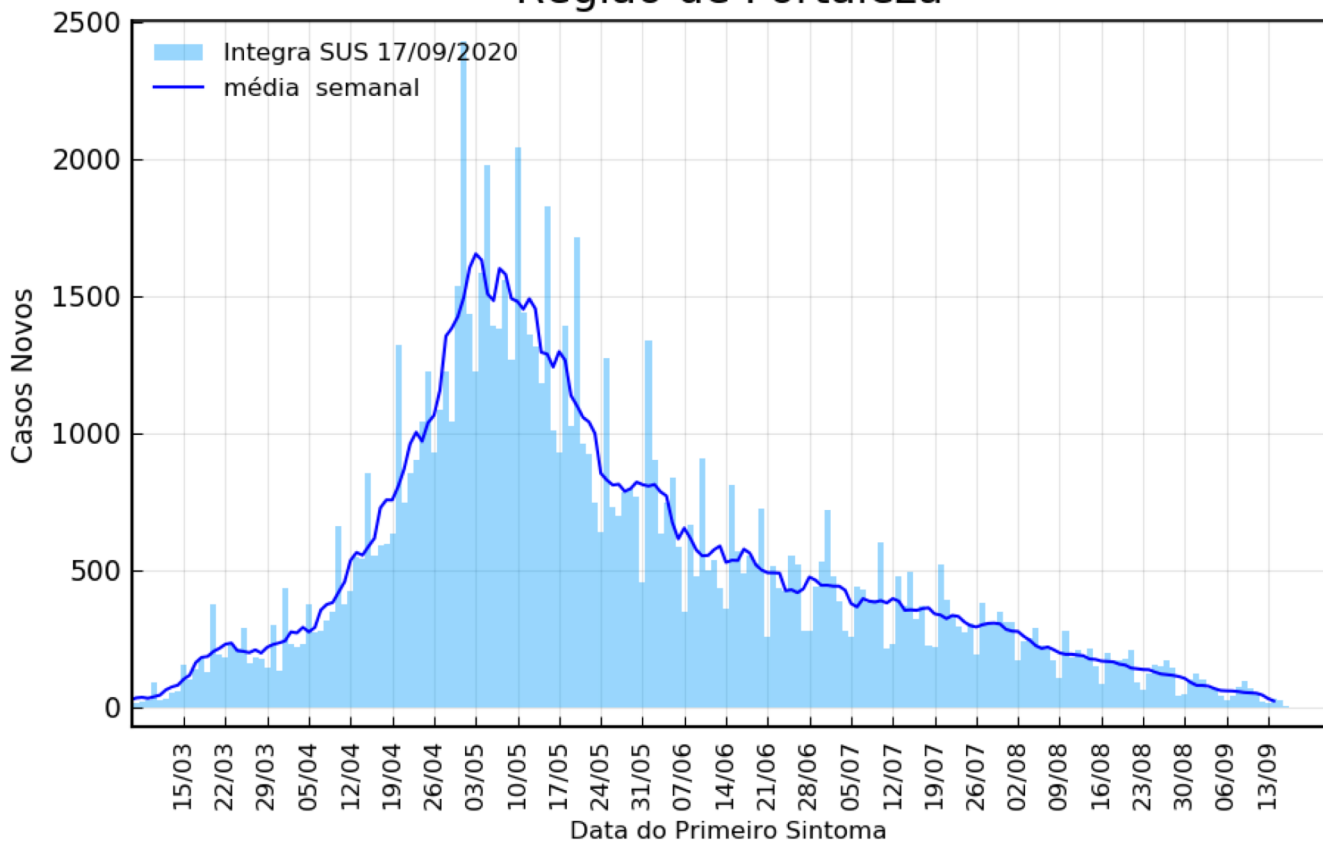
# Estado do Ceará



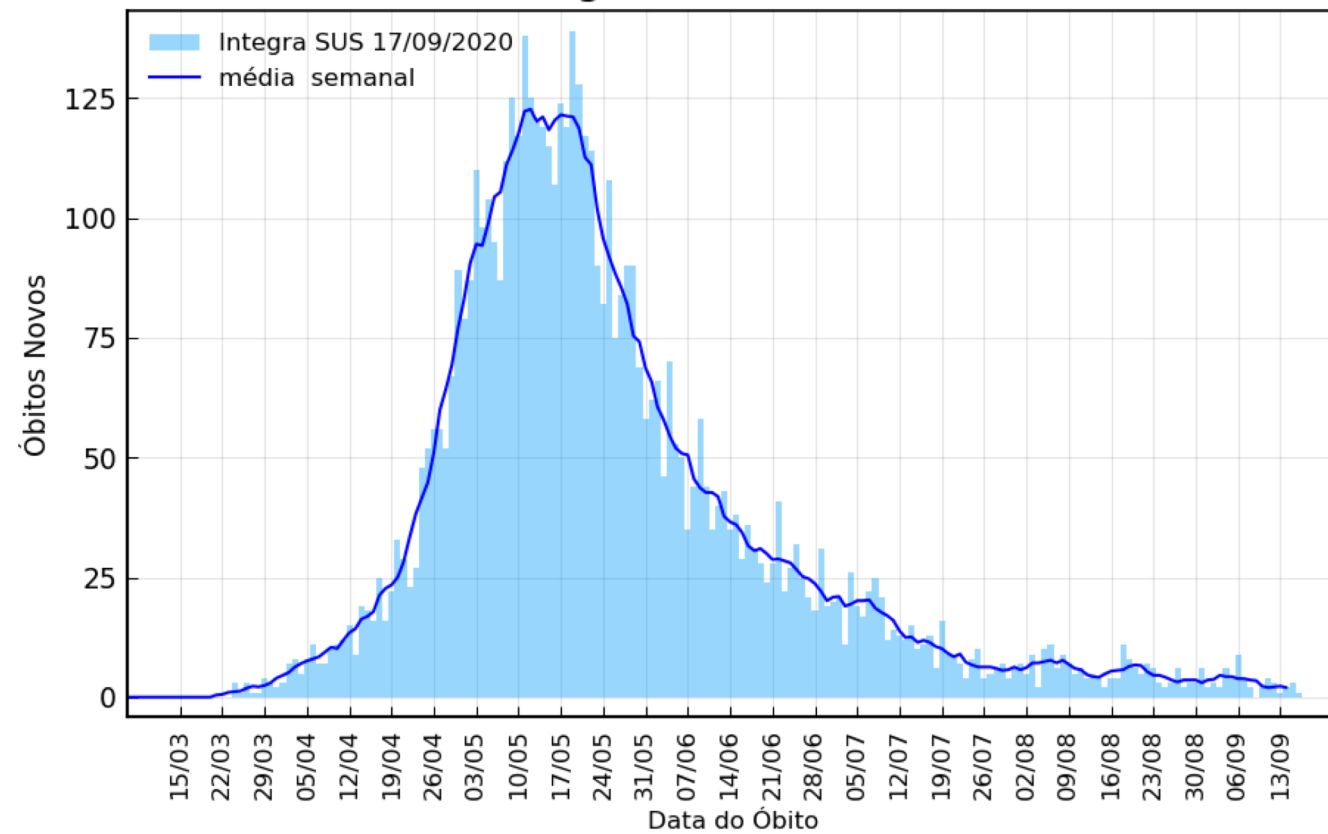
# Região Fortaleza



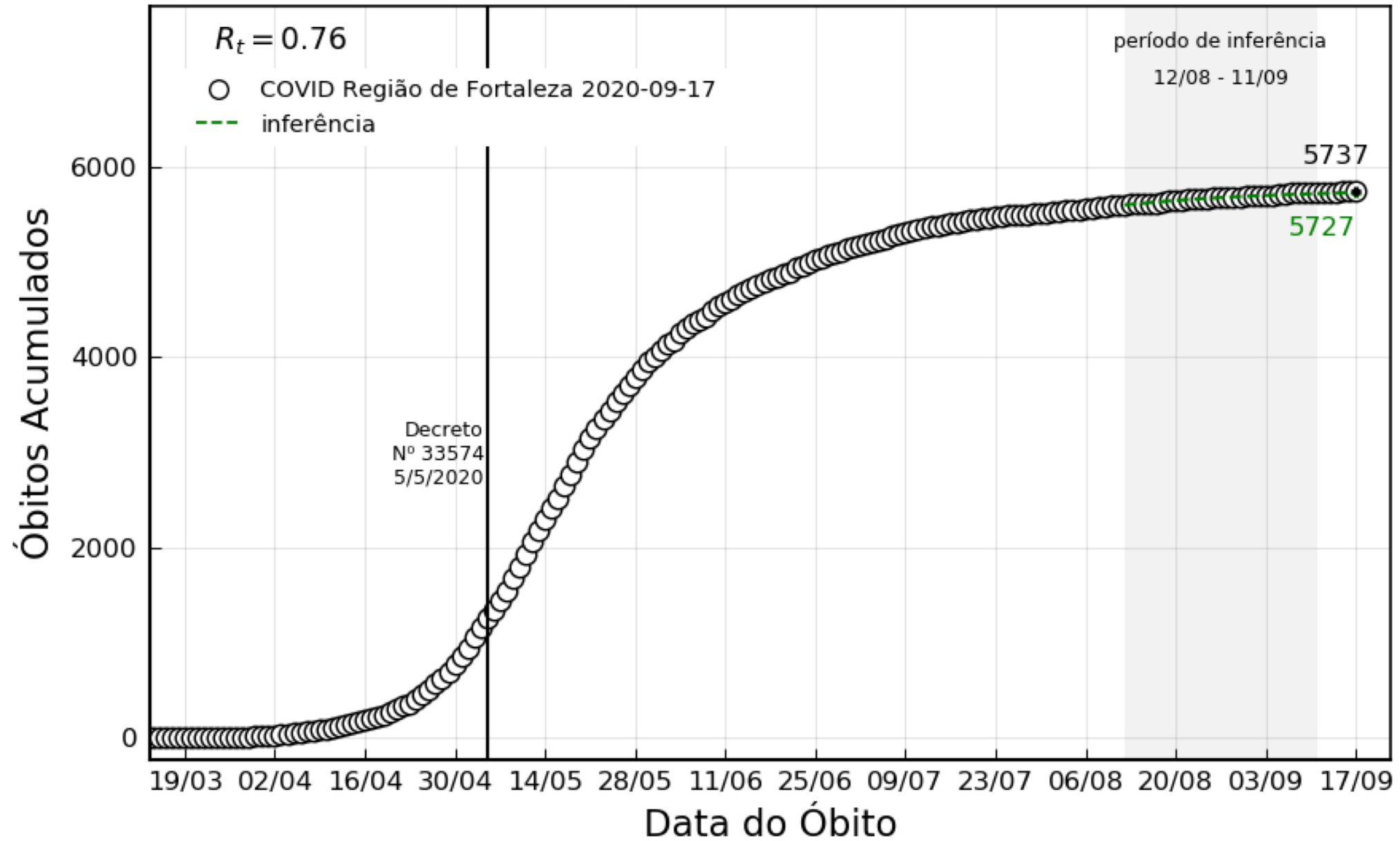
### Região de Fortaleza



### Região de Fortaleza

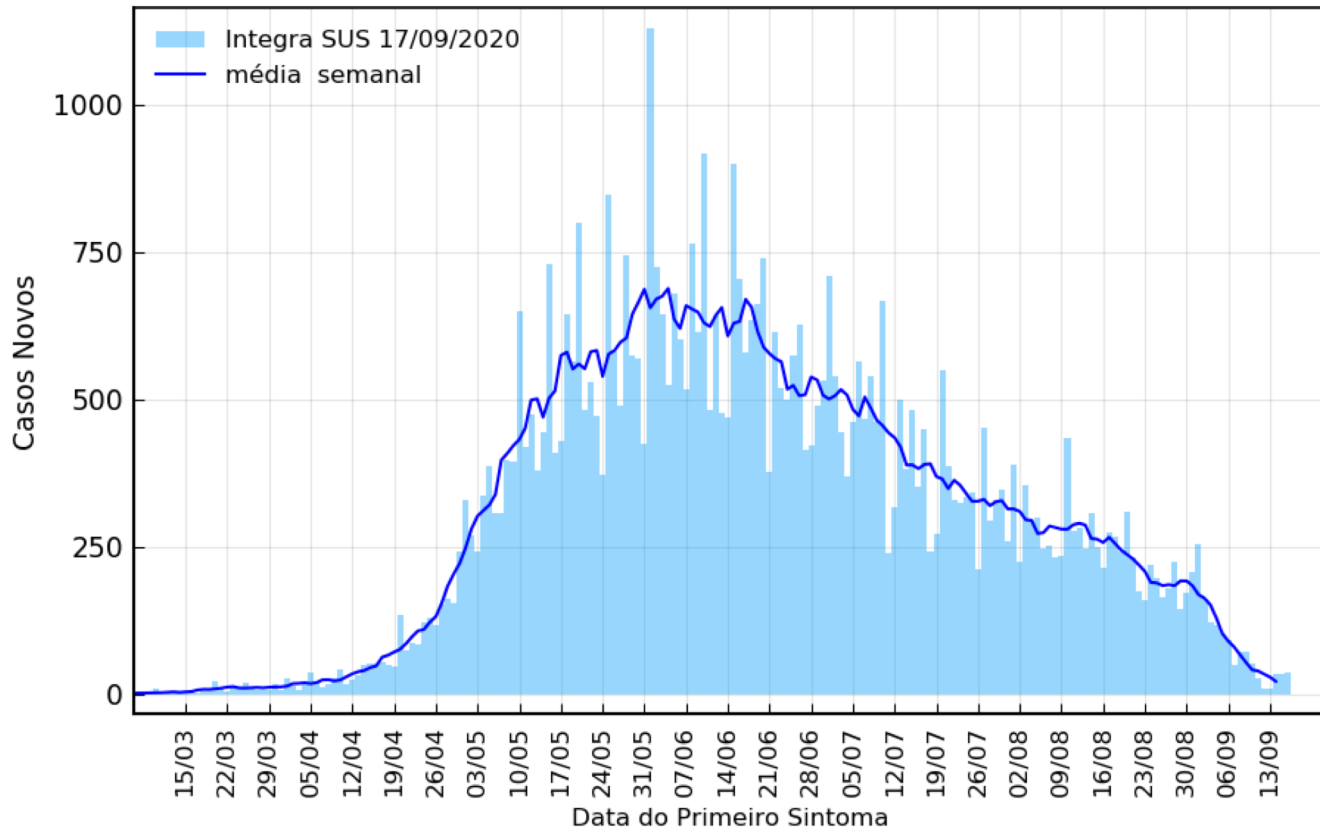


# Região de Fortaleza

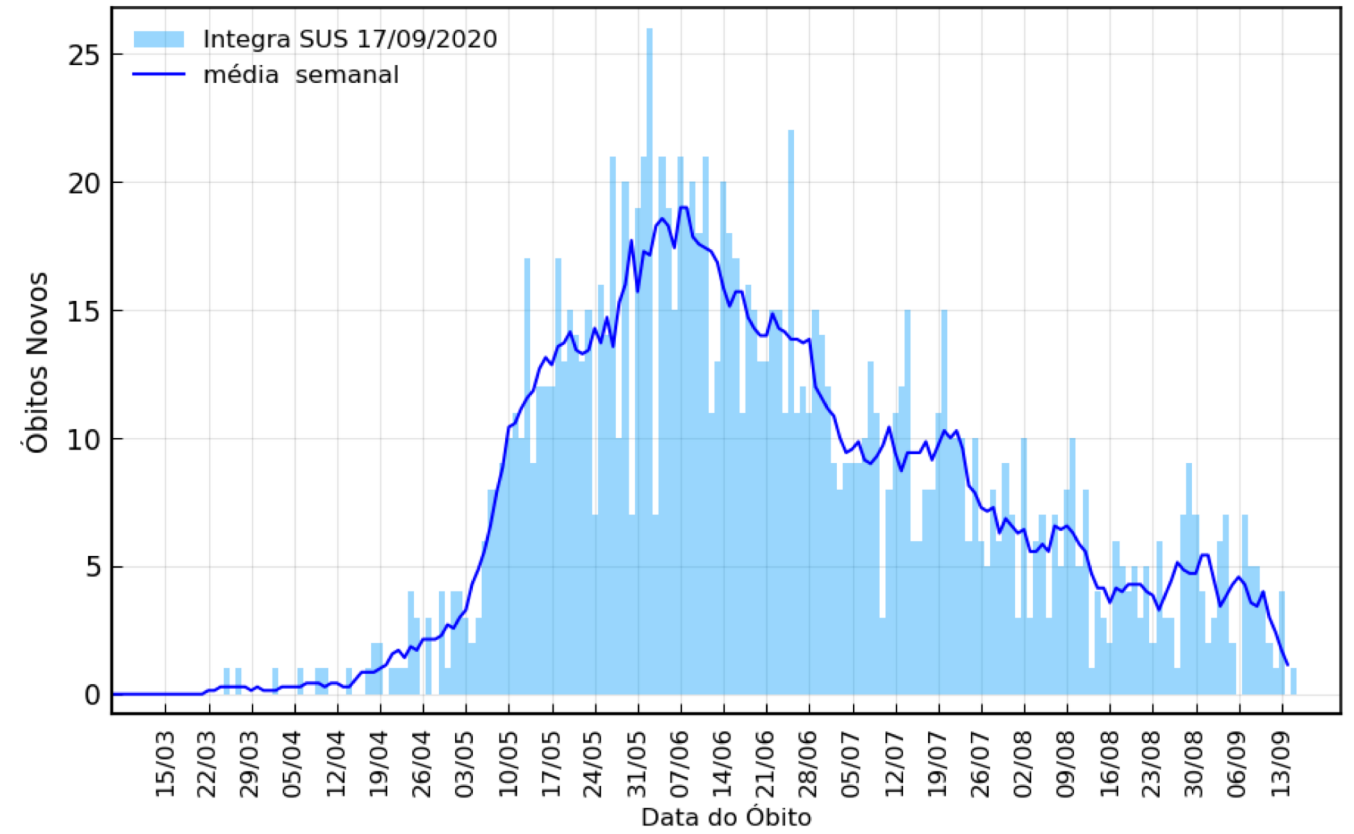


# Região Sobral

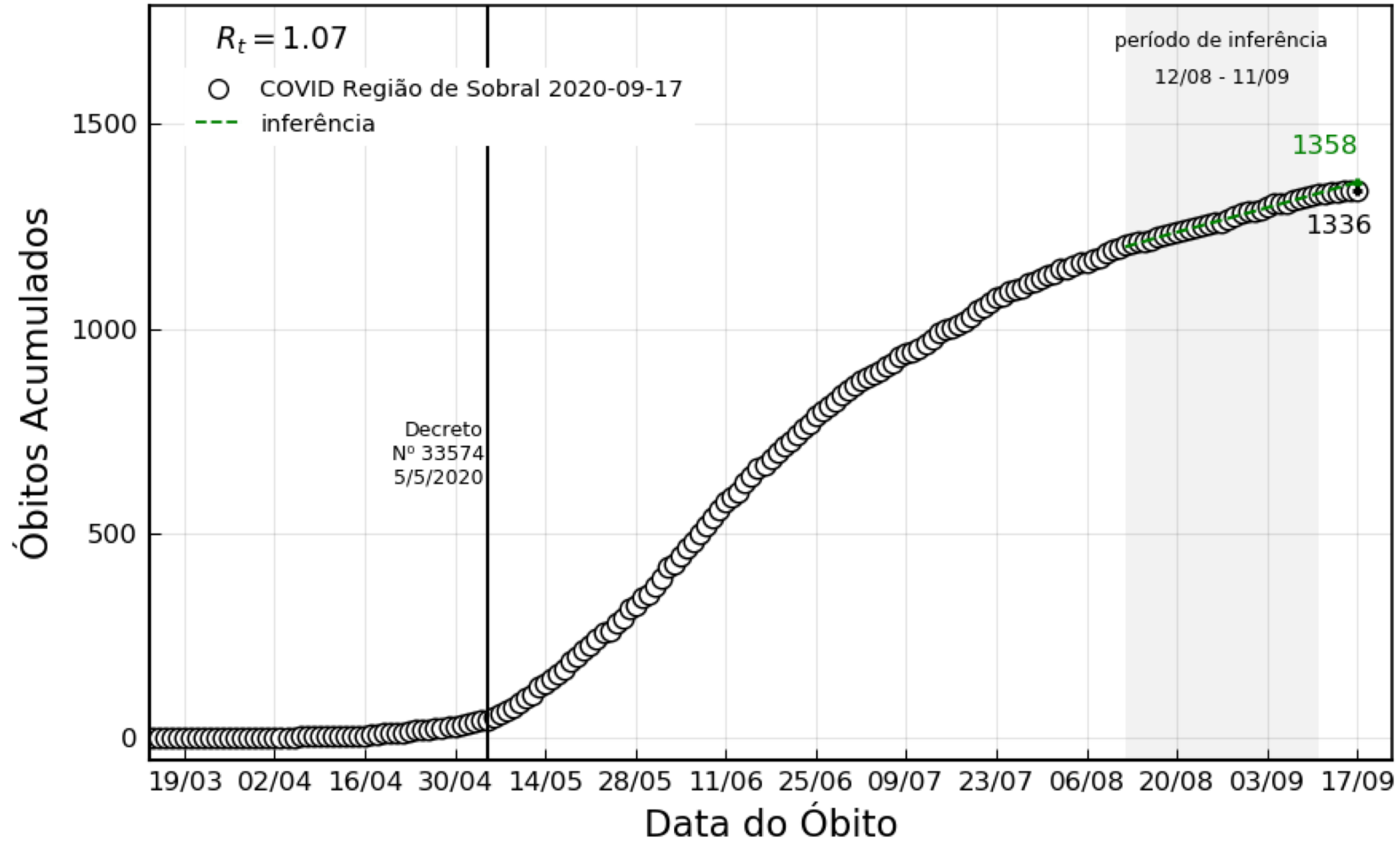
### Região de Sobral



### Região de Sobral

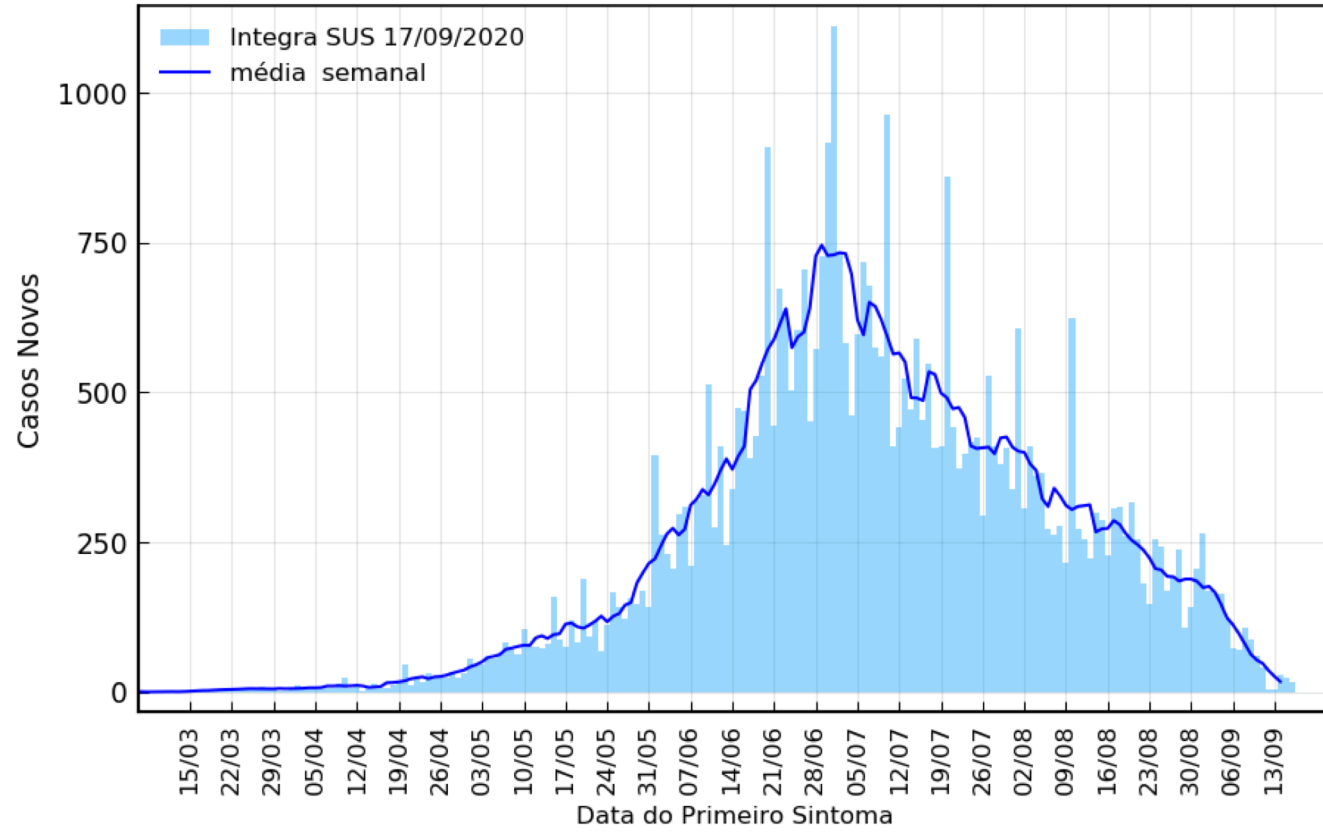


# Região de Sobral

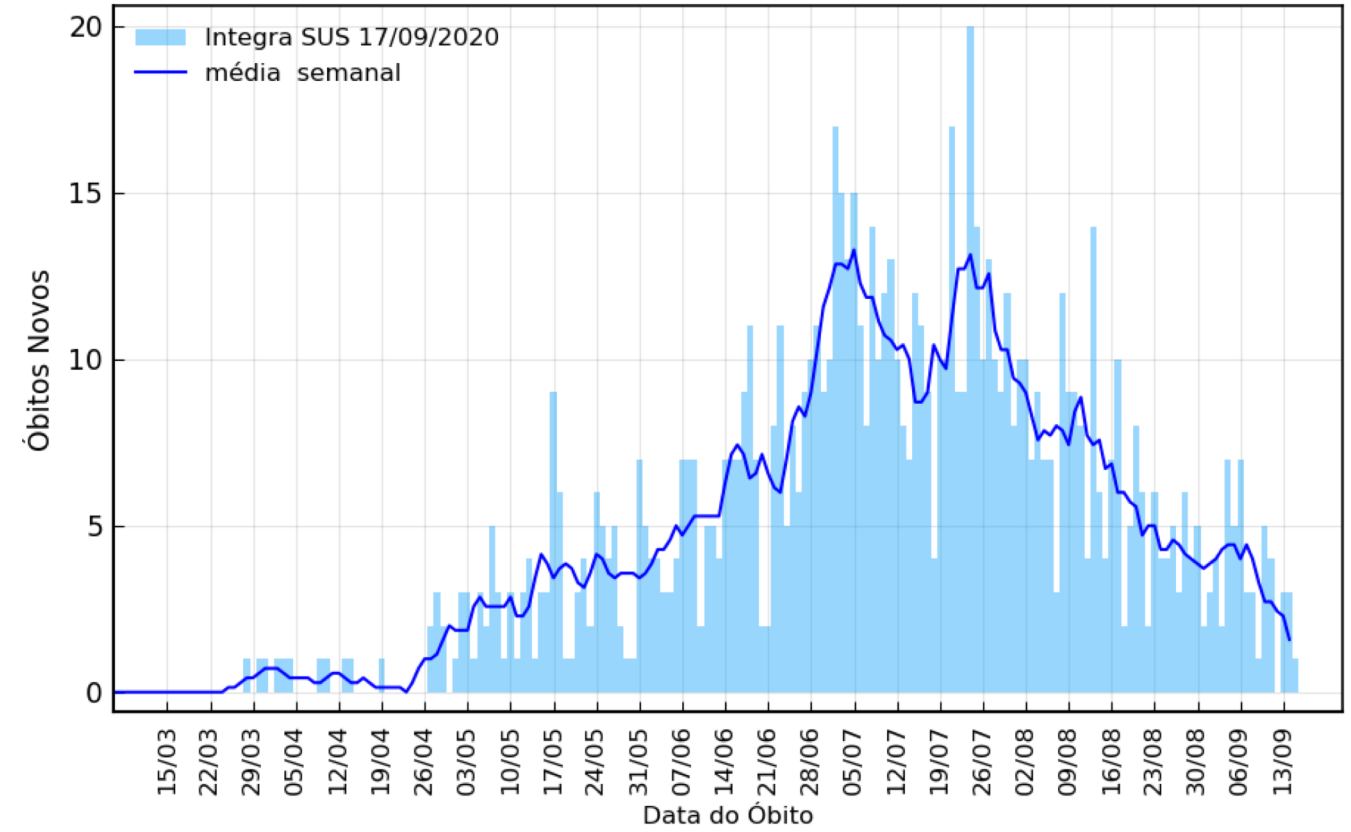


# Região Cariri

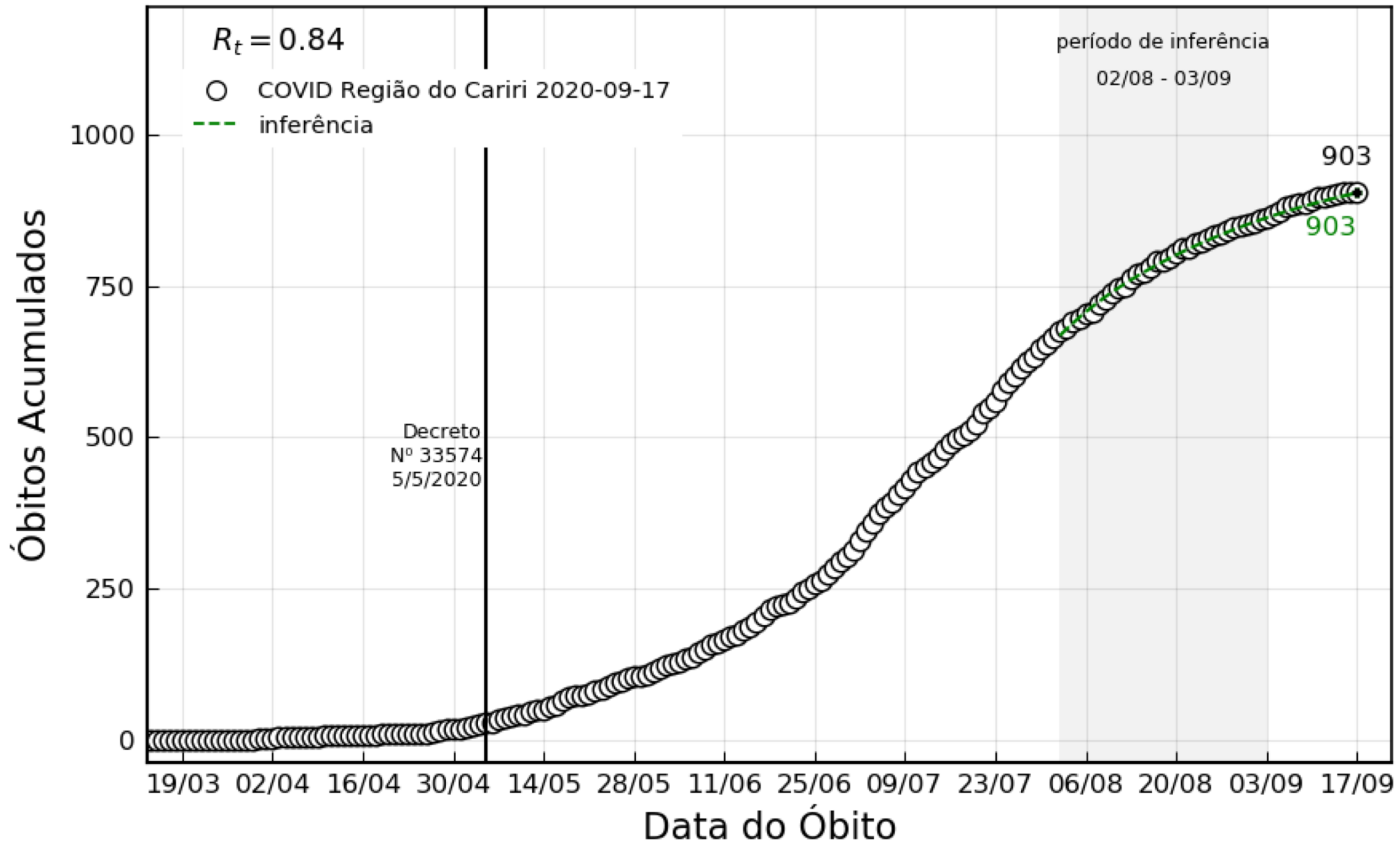
## Região do Cariri



## Região do Cariri



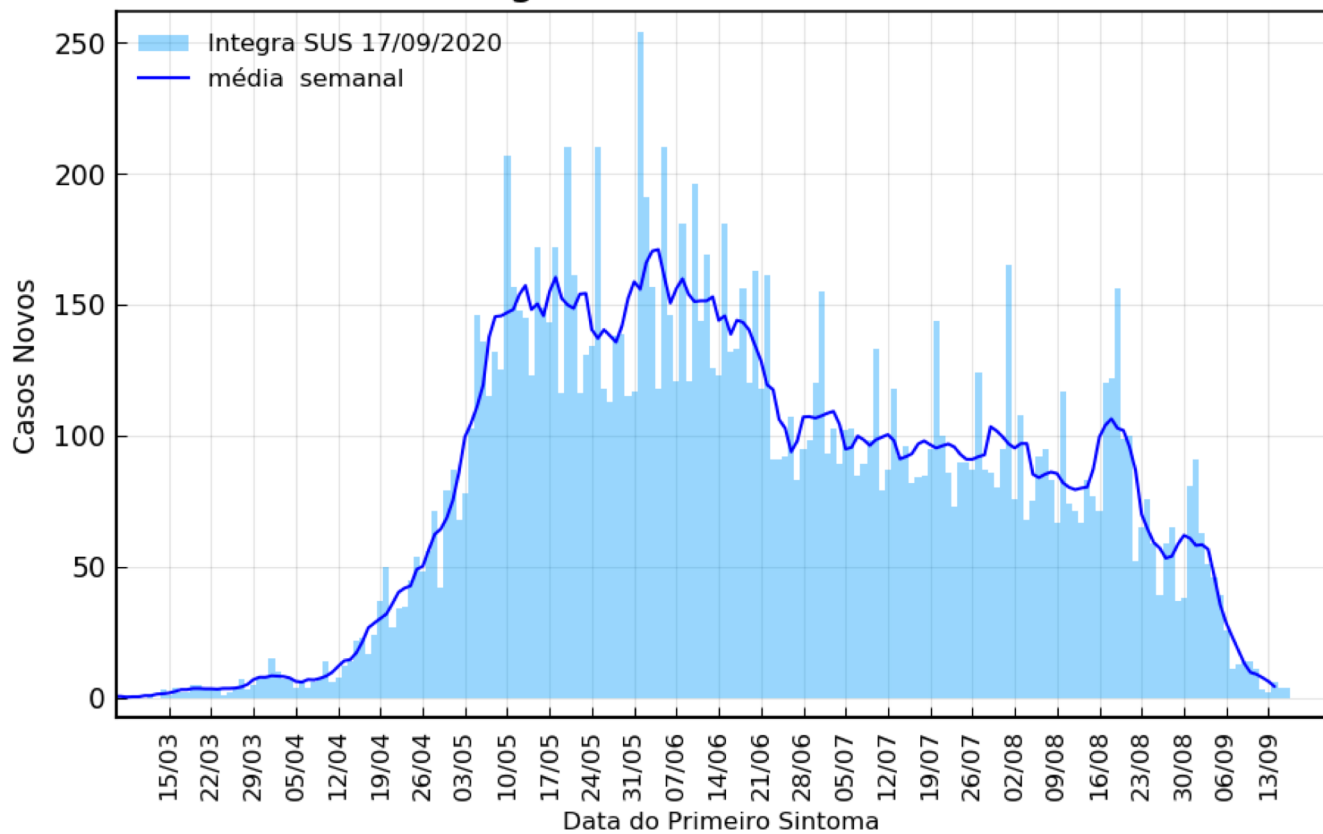
# Região do Cariri



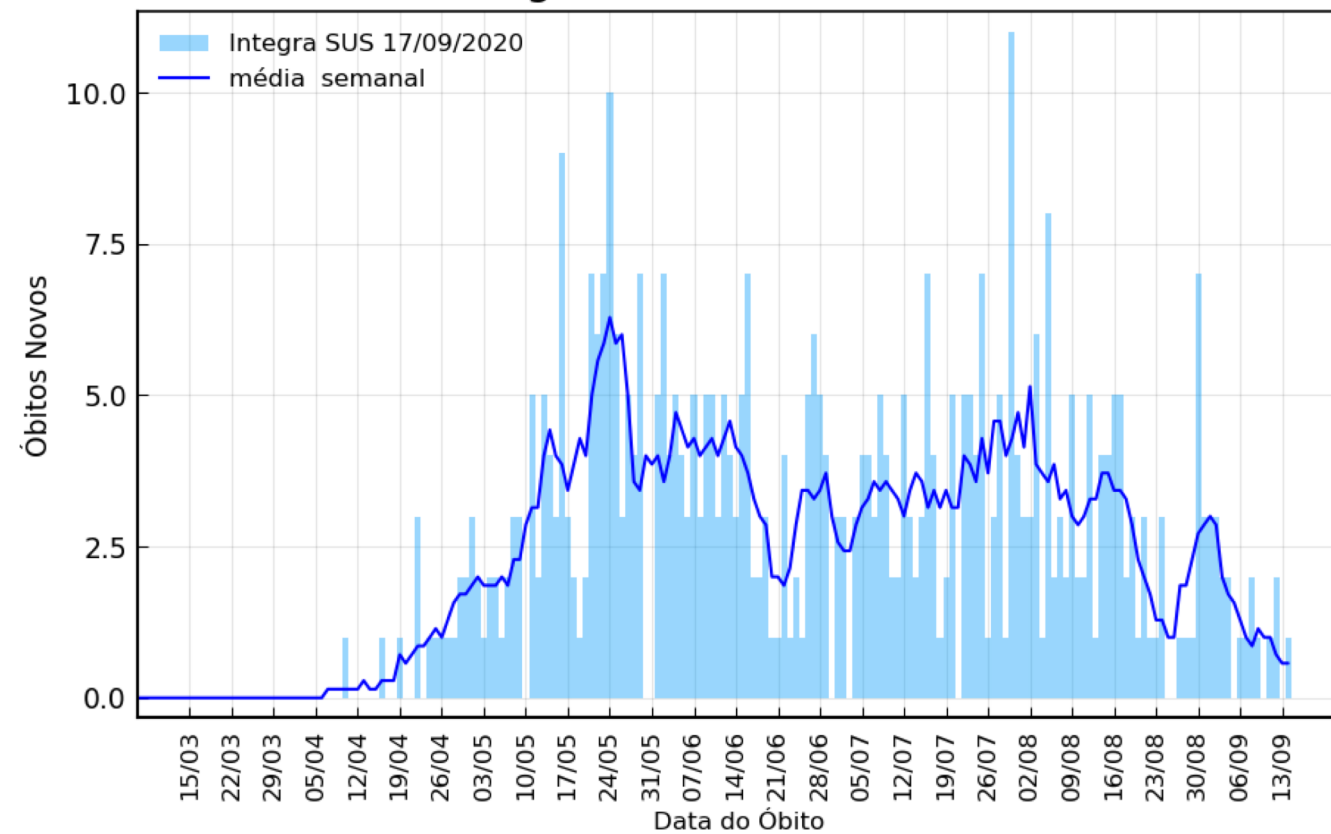


# Região Sertão Central

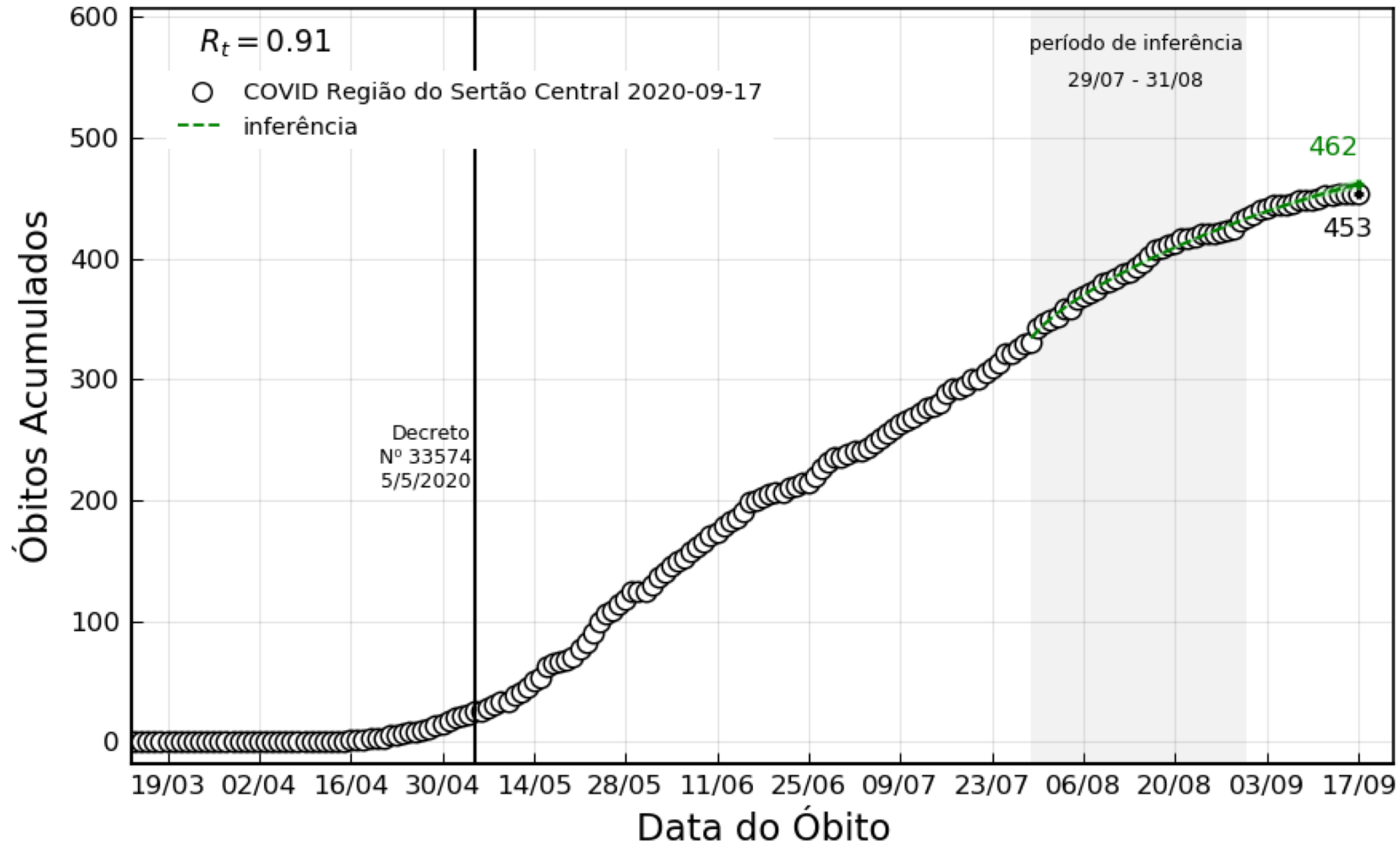
### Região do Sertão Central



### Região do Sertão Central



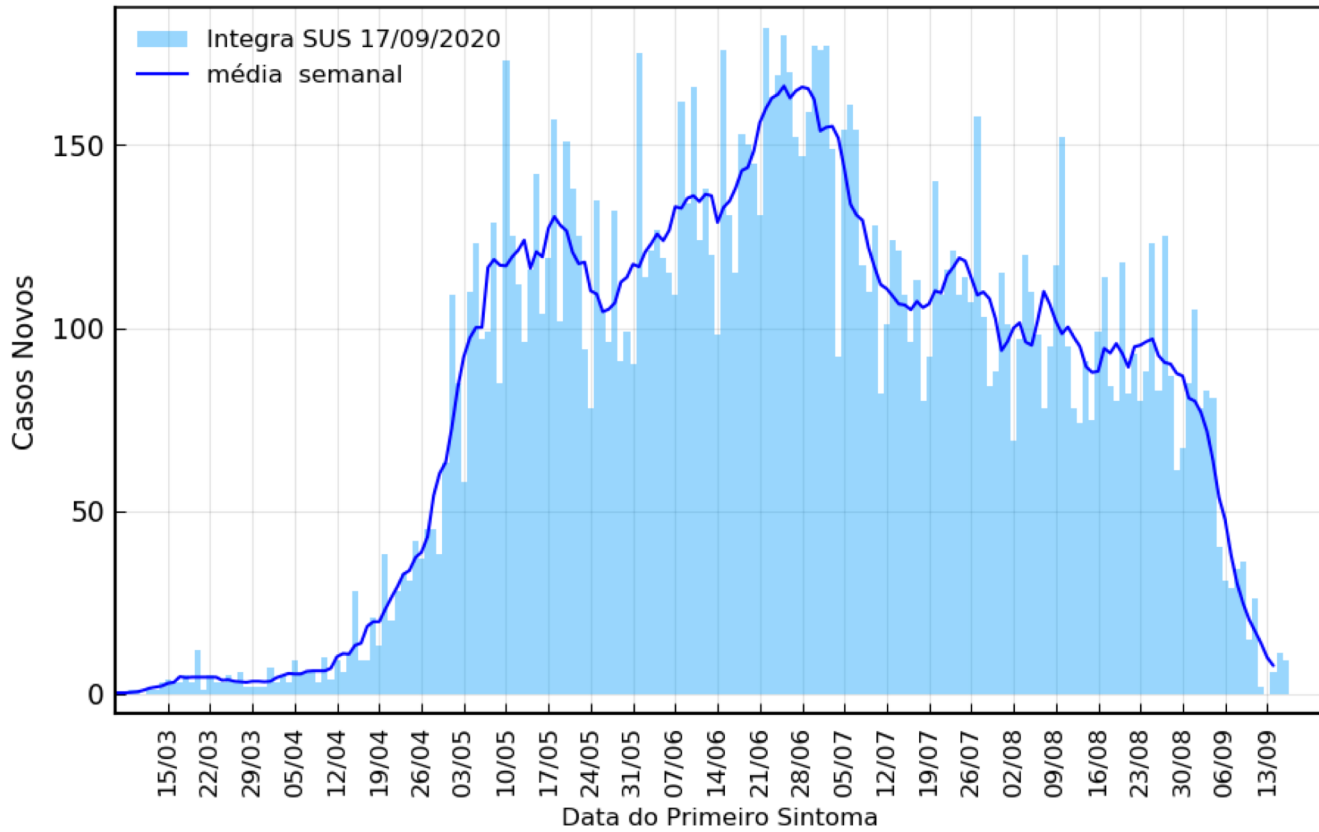
# Região do Sertão Central



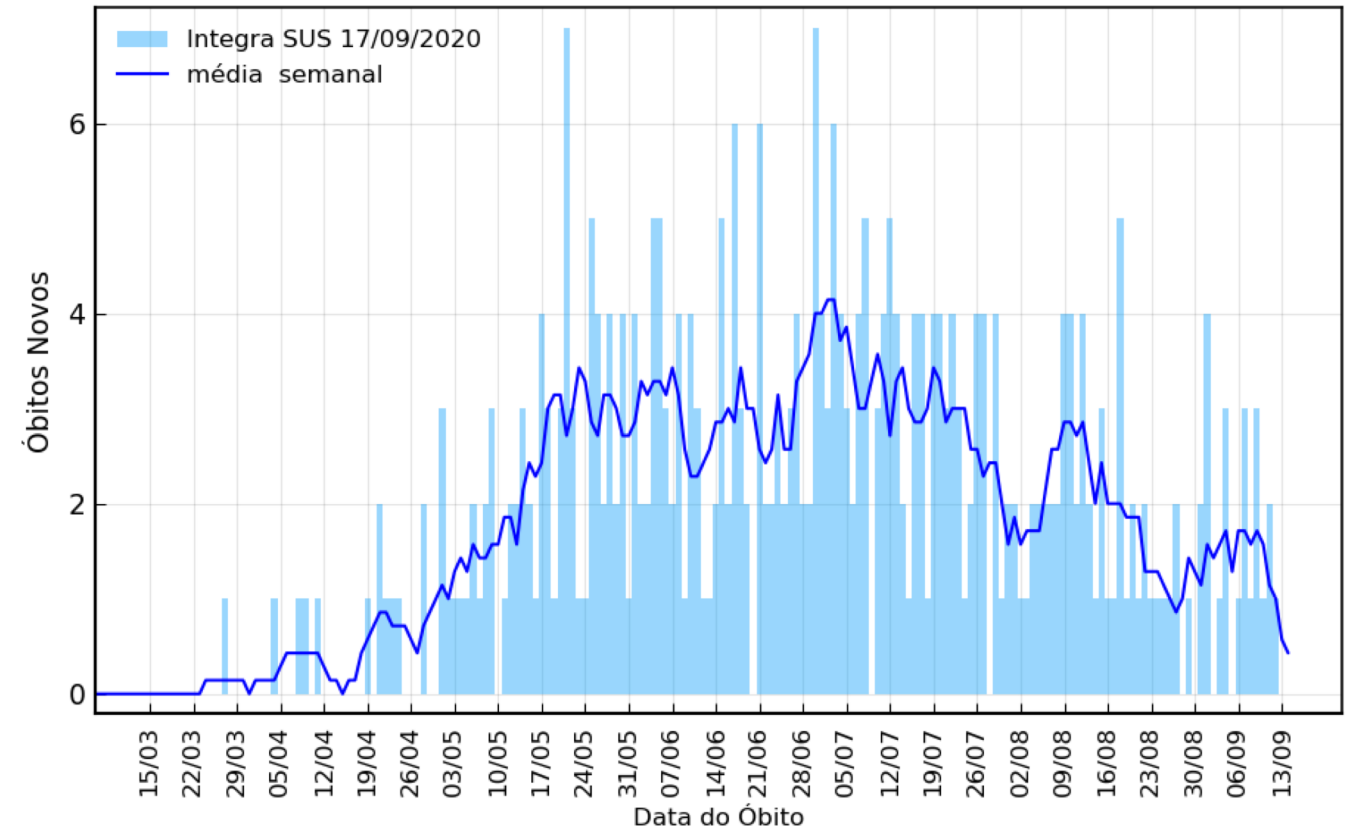
# **Região**

## **Litoral Leste/Jaguaribe**

### Região do Litoral Leste/Jaguaribe



### Região do Litoral Leste/Jaguaribe



# Região do Litoral Leste/Jaguaribe

