

Accettazione: [REDACTED] Prelievo: [REDACTED] Ore: [REDACTED]  Provenienza: routine <b>DRIVEIN CECCHIGNOLA</b>	Cognome / Nome [REDACTED] Sesso: ● Data Nascita: [REDACTED] Et�: [REDACTED] Codice Fiscale [REDACTED]
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Esame	Esito	U.M.	Valori di Riferimento	Metodica
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**DIAGNOSTICA INFETTIVOLOGICA MOLECOLARE**

**Materiale: Tampone nasofaringeo**

Diagnosi Molecolare

SARS-CoV-2-Interpretazione

**POSITIVO**

PCR Real Time

SARS-CoV-2 gene E

**Rilevato**

SARS-CoV-2 gene RdRP/S

**Rilevato**

SARS-CoV-2 gene N

**Rilevato**

**Materiale: Tampone nasofaringeo**

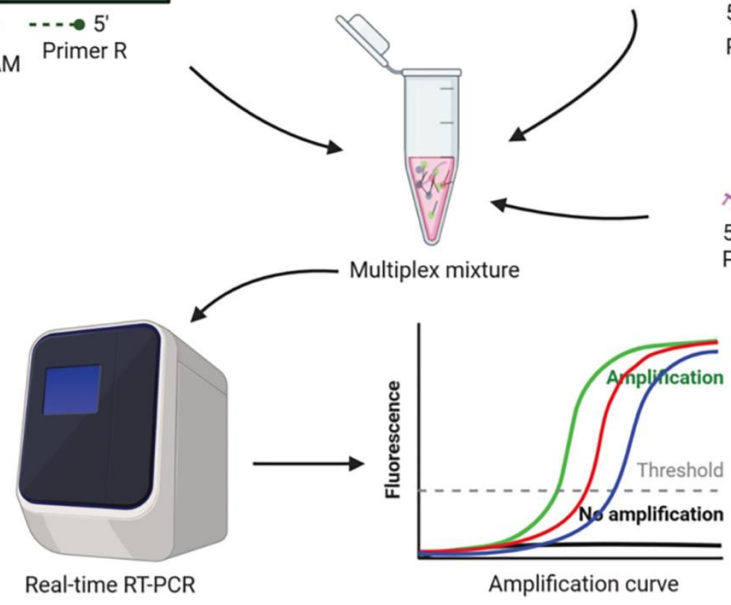
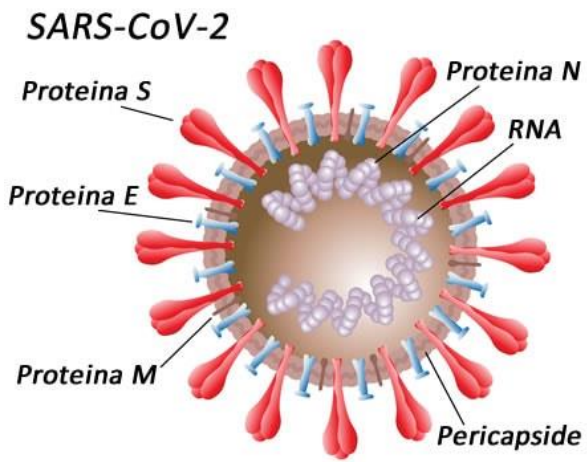
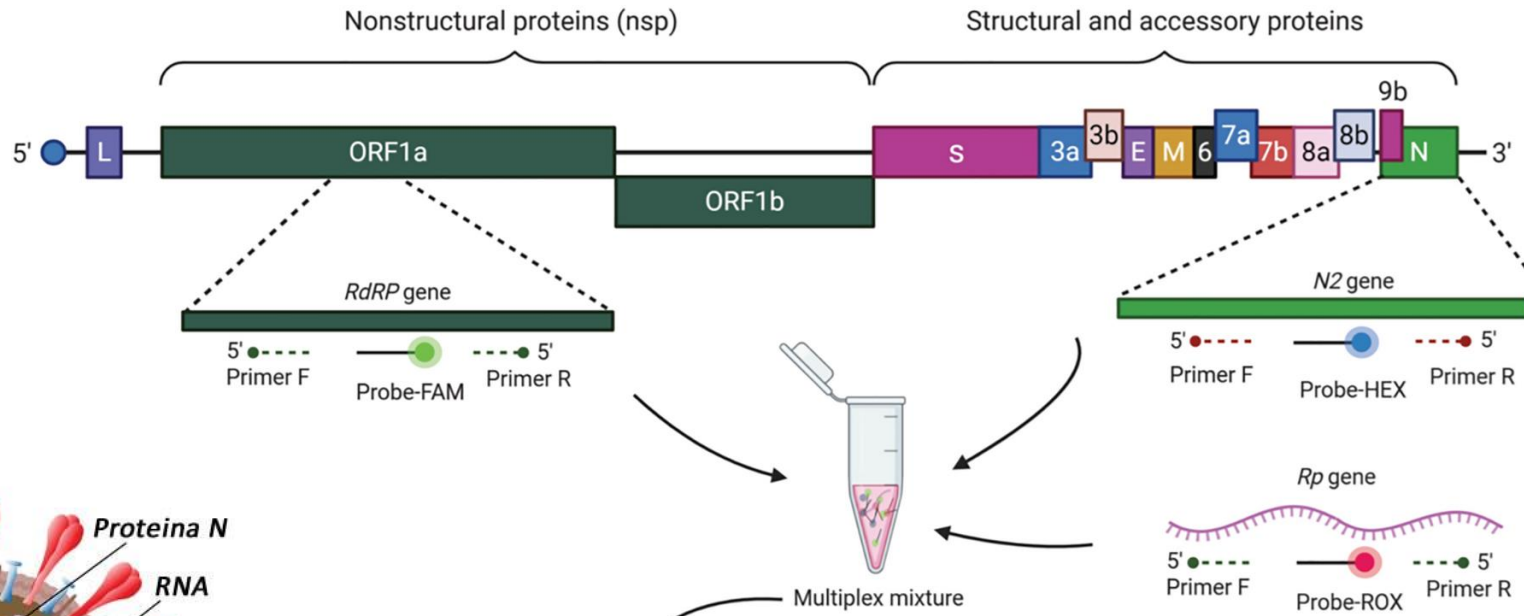
Nota

*Si raccomanda di comunicare il risultato al Medico curante che valuter  se  
NEGATIVO l'eventuale sospensione dell'isolamento fiduciario, se POSITIVO le  
misure di isolamento domiciliare, in attesa di essere eventualmente contattato dal  
Servizio Igiene Sanit  Pubblica.*

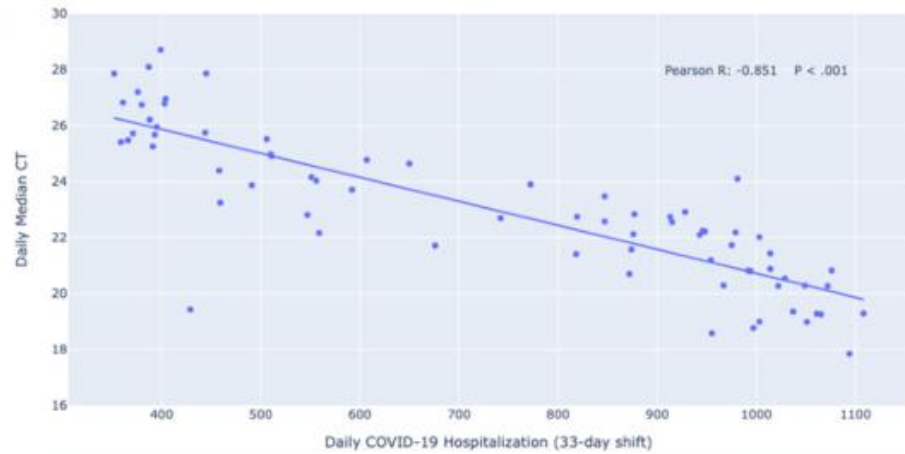
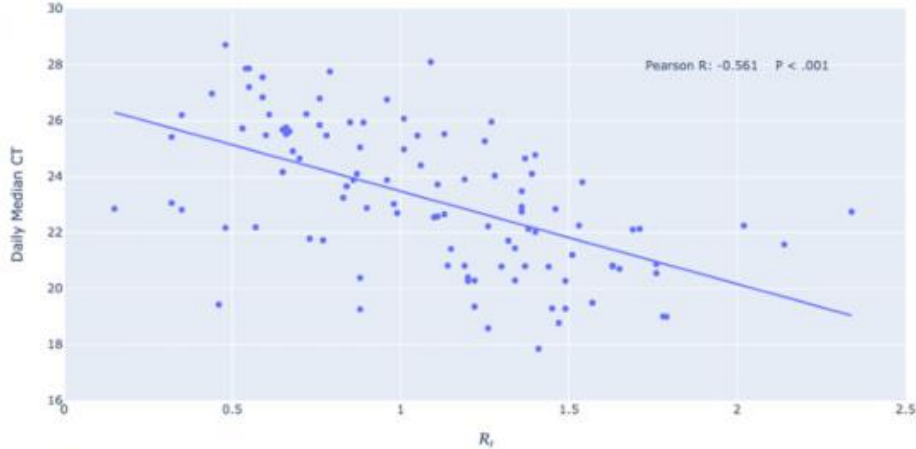
Il Dirigente: [REDACTED]

Referto Completo \_\_\_\_\_

# Struttura del Sars-Cov2



# Correlazione tra Ct e gravità della malattia



Tso CF, Garikipati A, Green-Saxena A, Mao Q, Das R. Correlation of Population SARS-CoV-2 Cycle Threshold Values to Local Disease Dynamics: Exploratory Observational Study. JMIR Public Health Surveill. 2021 Jun 3;7(6):e28265. doi: 10.2196/28265. PMID: 33999831; PMCID: PMC8176948.

# Duration of infectiousness and correlation with RT-PCR cycle threshold values in cases of COVID-19, England, January to May 2020

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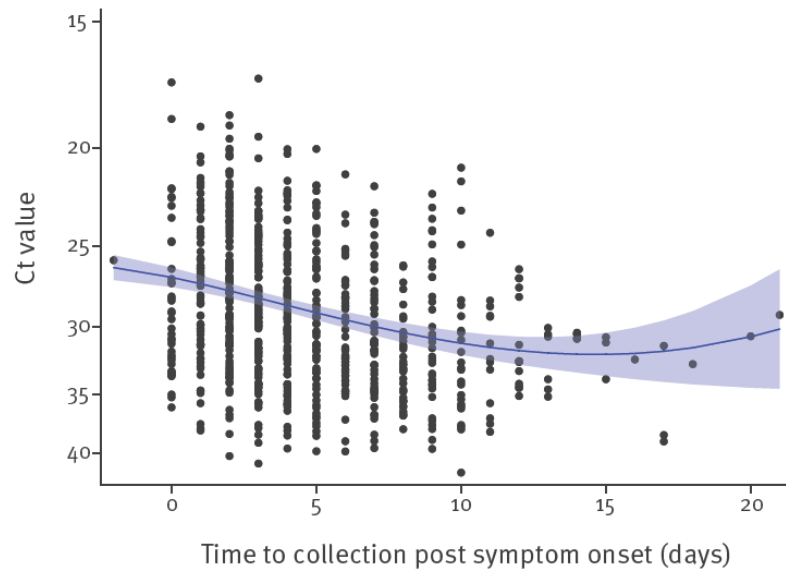
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## FIGURE 1

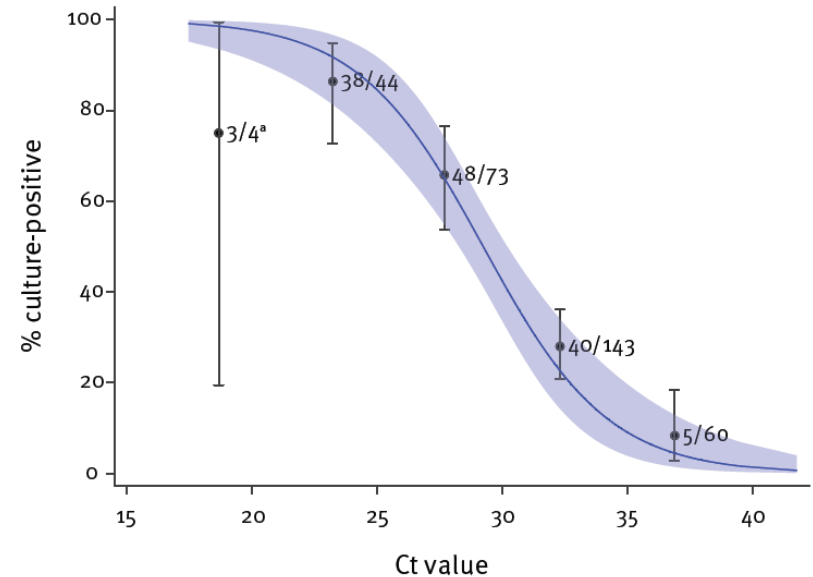
Detection of SARS-CoV-2 by RT-PCR targeting the RdRp gene, England, January–April 2020 (n = 754)



Ct: cycle threshold.

## FIGURE 2

Relationship between RT-PCR Ct value and culture positivity in mixed effects logistic regression analysis, SARS-CoV-2, England, January–May 2020 (n = 324)

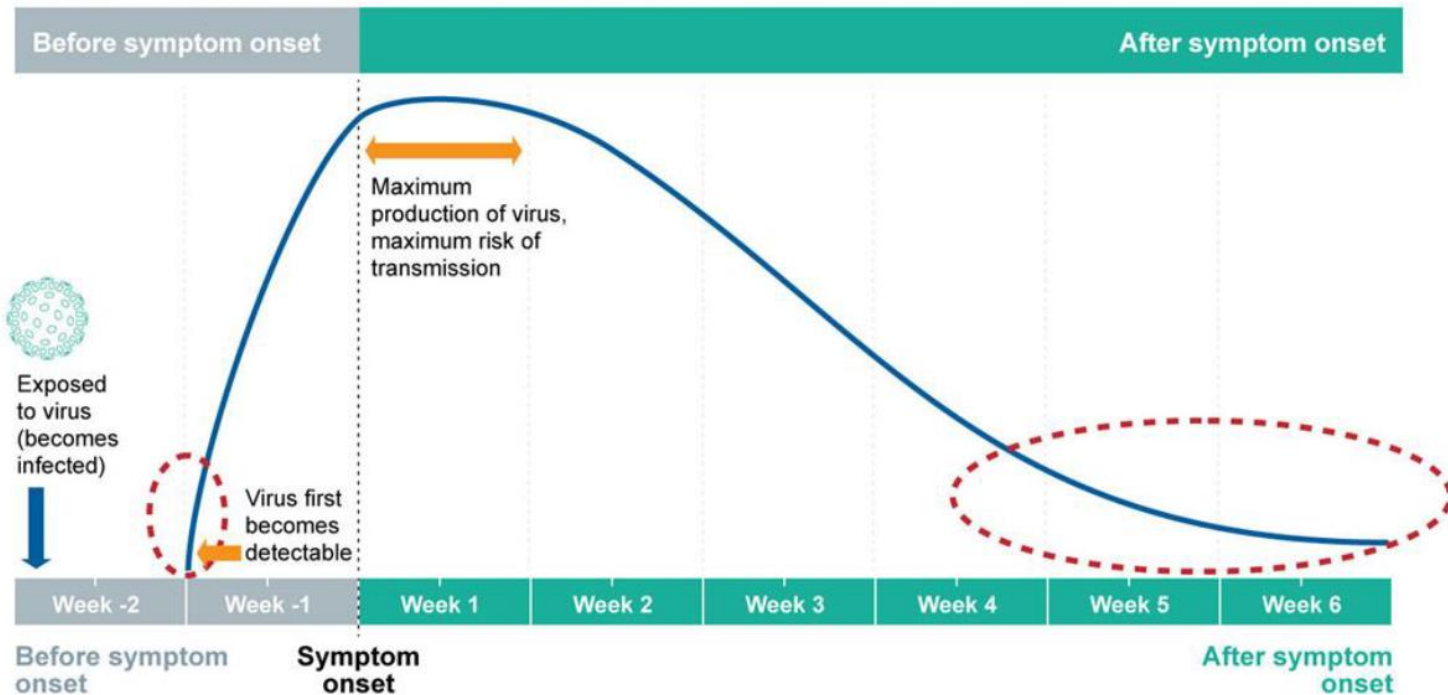




# Understanding cycle threshold (Ct) in SARS-CoV-2 RT-PCR

## A guide for health protection teams

COVID-19 symptom onset schematic diagram



Whilst high Ct values may be associated with reduced infectivity, a swab taken at a single point in time does not provide information about the trajectory or subsequent course of illness.

Ct values are not directly comparable between assays and may not be reported by some RT-PCR platforms in use. Interpreting single positive Ct values for staging infectious course, prognosis, infectivity or as an indicator of recovery must be done with context about the clinical history.