

Title: “Clinical outcome of covid -19 home isolated patients of Ballari district during second wave: a Cross sectional study”

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Introduction: Covid-19 caused by severe acute respiratory syndrome coronavirus-2 (SARS-CoV-2), identified in December 2019, in Wuhan has spread worldwide. On 11 March 2020 the WHO declared it a pandemic. Quarantine was found to be most effective in containing the disease, India with available limited resources was not able to quarantine all cases. Based on the severity of the disease, patients were either treated at their home or hospitalized.

Objectives: To describe Clinical outcomes of home isolated Covid-19 patients of Ballari district during second wave.

Methodology:

Study design: A Cross sectional study.

Study area: Ballari district.

Study subject: Covid 19 home isolated patients.

Source of Data: Taluk wise line-listing of Covid19 cases – digital record.

Study duration : 01.06.2021 – 01.08.2021

Statistical test: frequency, percentage, chi square test.

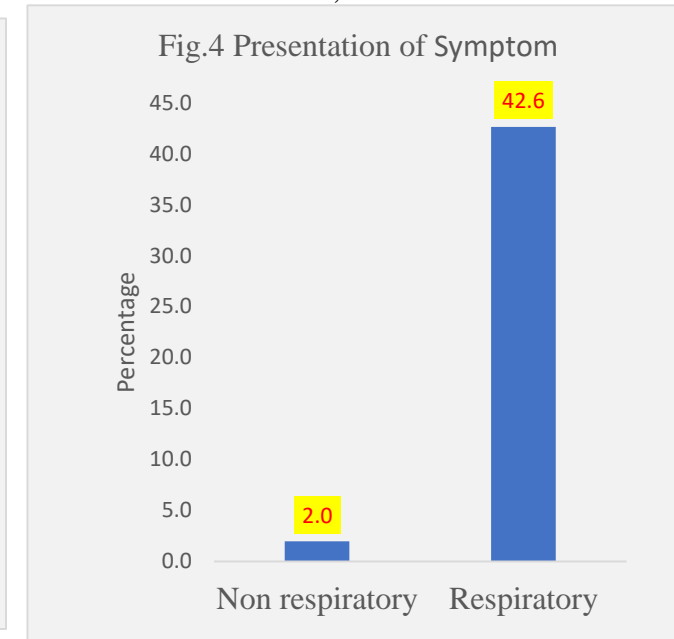
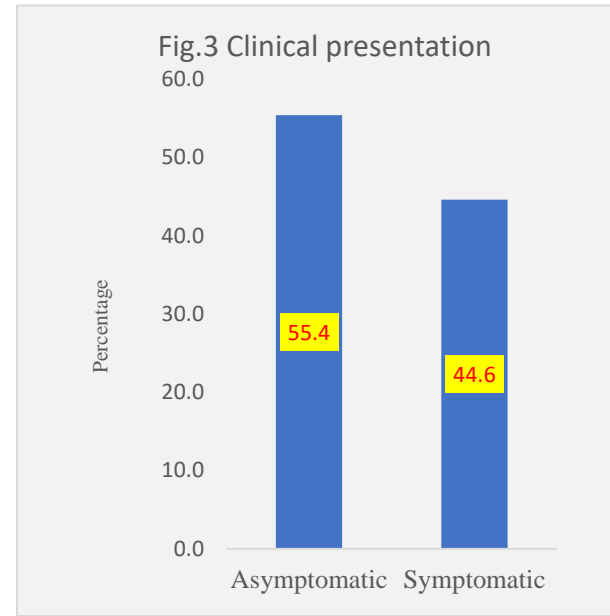


Table.1 Clinical outcome during second wave

Status	Frequency	Percent
Discharged	64583	99.4
Death	376	0.6
Total	64959	100

Table.2 Relation between clinical presentation and outcome

Symptoms	Discharged (%)	Death (%)	Total	P value
Asymptomatic	35628 (99.5)	168 (0.5)	35796	0.00
Symptomatic	28955 (99.3)	208 (0.70)	29163	
Total	64583	376	64959	

Table.3 Relation between symptoms and outcome

Symptom	Discharged (%)	Death (%)	Total	P value
Non- respiratory	2467 (99.8)	5 (0.2)	2472	0.00
Respiratory	27692 (99.2)	371 (1.3)	28063	
Asymptomatic	34424	0 (0.0)	34424	
Total	64583	376	64959	

Conclusion: Present study shows that majority of home isolated patients were discharged compared to death during second wave.

Recommendation: Based on the current study evidence home isolation is a good strategy to contain Covid 19 infection.

