

Submission Title: Prevalence of COVID – 19 Infection and Associated Risk Factors among Travelers at Medblue Modern Laboratories Center, Juba, South Sudan

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Results:

Demographic Characteristics of the Travelers

Overall, among the 4.057 positive travelers, 1,436 (35.40%) were between the age of 35–44 years, 1,135 (79.03%) were males and 301 (21.0%) were females, 1,255 were between age 25 - 34 (30.93), 887 (70.68) were males and 368 (29.32) were females, 437 (10.77%) were less than age twenty five of which 236 (54.00%) were males and 201 (46.00%) were females, 929 (22.90%) were from age forty five and above of which 705 (75.89) were males and 224 (24.11%) were females.

Risk of COVID-19 Infection Characteristics

Findings demonstrated that male's travelers have a high exposure risk of COVID-19 infection than females, and most affected are between 35 – 44 years old.

Month	Total number	Negative Number	%	Positive Number	%	Male	%	Female	%
December	13,676	13,346	97.59	330	2.41	205	62.12	125	37.88
January	9,231	8,862	96.00	369	4.00	280	75.88	89	24.12
February	10,957	8,776	80.09	2,181	19.91	1,660	76.11	521	23.89
March	10,330	9,268	89.72	1,062	10.28	752	70.81	310	29.19
April	7,827	7,730	98.76	97	1.24	70	72.16	27	27.84
May	6,492	6,474	99.72	18	0.28	12	66.67	6	33.33
Total	58513	54456	561.88	4057	38.12	2979	423.75	1078	176.25

Figure 1: Proportions of Positive and Negative of Travelers

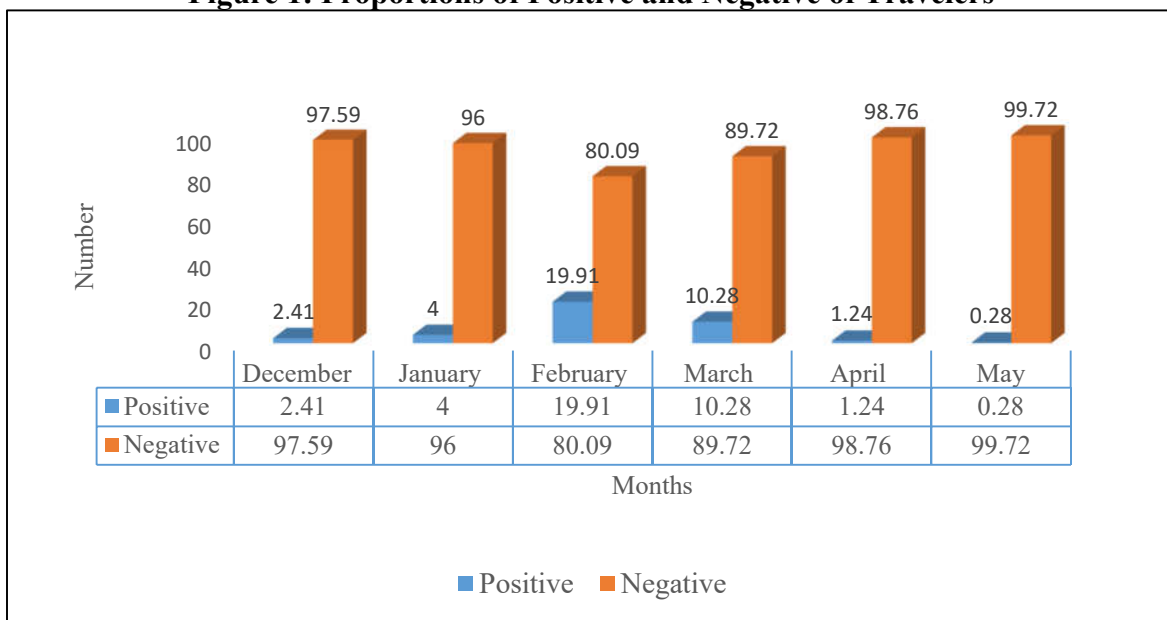


Figure 2: Proportions by Sex

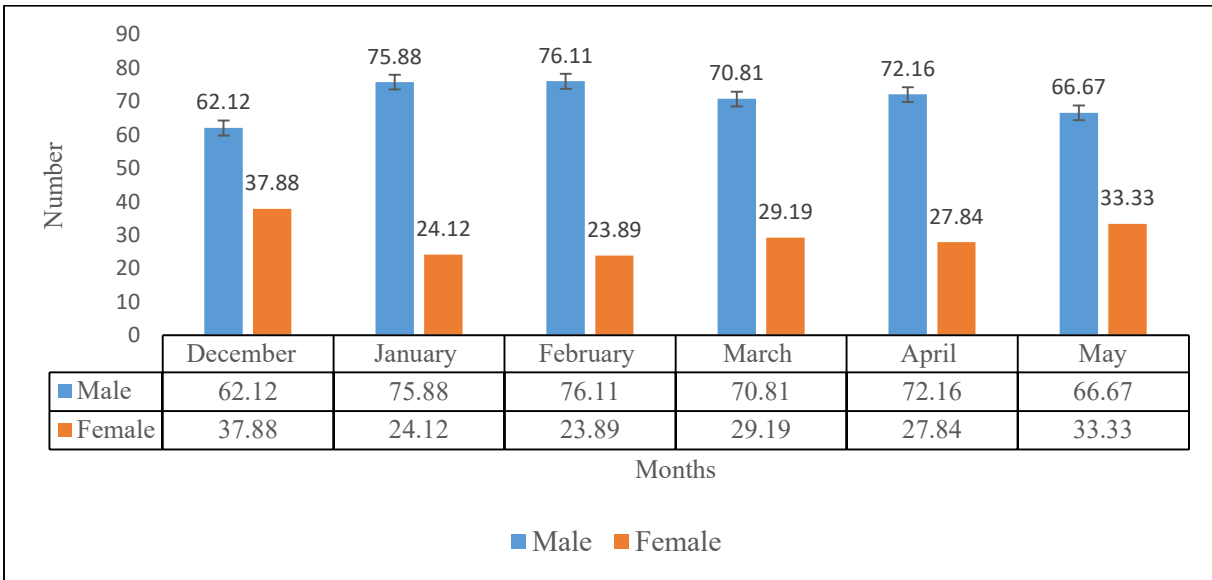
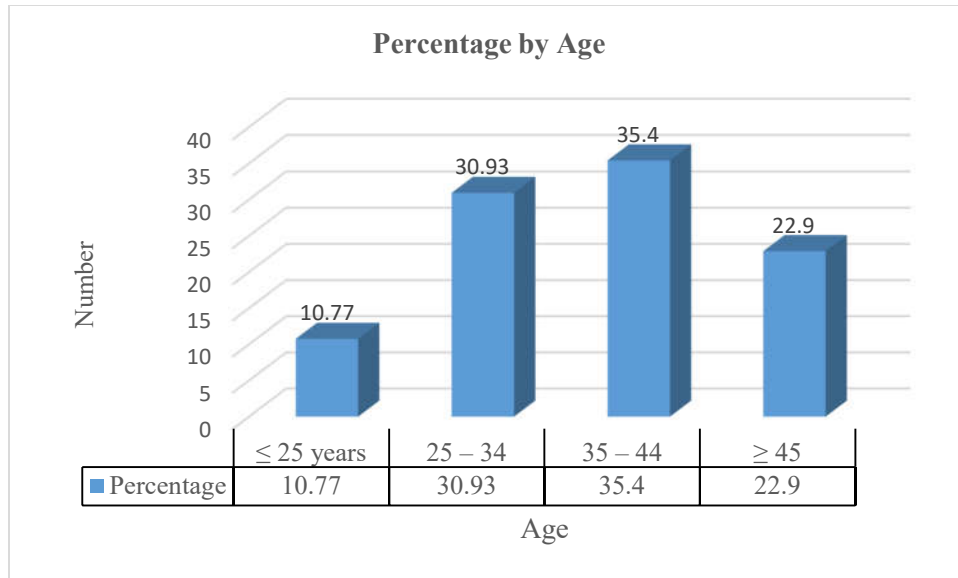
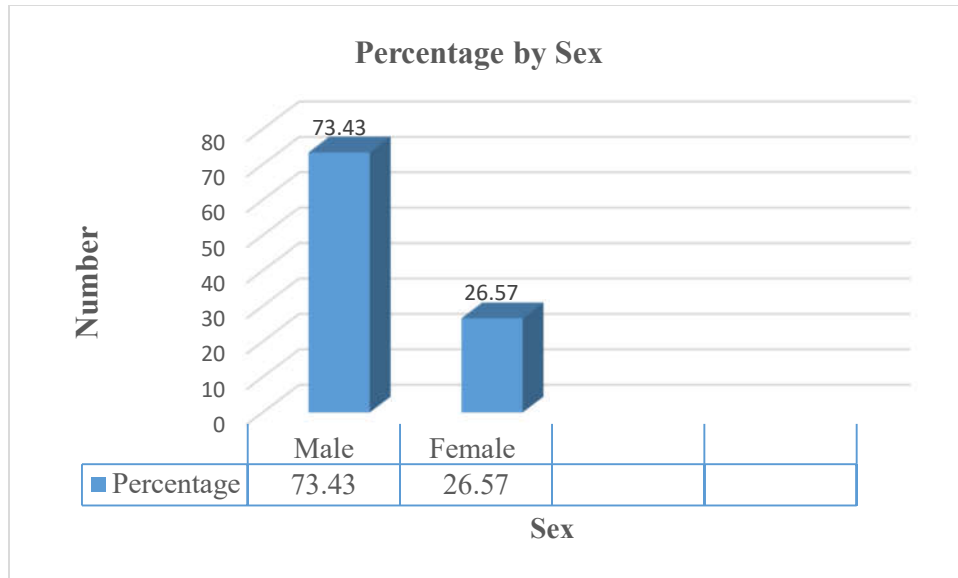


Table 3 Demographic Characteristics of Travelers at Medblue Modern Laboratories in Juba, South Sudan, 2021 (N= 4,057)

Age	Frequency (n)	Percent (%)
≤ 25 years	437	10.77
25 – 34	1,255	30.93
35 – 44	1,436	35.40
≥ 45	929	22.90
Total	4057	100



Sex	Frequency	Percent (%)
Male	2979	73.43
Female	1078	26.57
Total	4057	100



S/N	Country	Number of positive	Percentage
1	South Sudan	2,421	59.67
2	Kenya	236	5.82
3	Uganda	151	3.72
4	Sudan	75	1.85
5	Egypt	28	0.69
6	Ethiopia	20	0.49
7	Others	1,126	27.75
		4057	

