

Legends for supplementary figures

Fig S1. Distribution of most frequently found non-synonymous mutations in the Indian SARS-COV-2

Fig. S2. Correspondence analysis showing the dominance of different SARS-COV-2 variants in relation to time

[*Note: Var-1 = Basal sequences; Var-2 = B.1; Var-3= B.1.1; Var-4=B.1.1.7 and Var-5= B.1.617 and its sub lineages; Q1=Jan-March, 2020; Q2=April-June, 2020; Q3= July-Sept, 2020; Q4= Oct-Dec, 2020; Q5= Jan-March, 2021; Q6=April-May, 2021*]

Fig. S3. Age distribution of (A) recovered and (B) deceased individuals from different SARS-COV-2 variants

Table S1. Age specific differences in the recovery and mortality of patients infected with different SARS-COV-2 variants

Variant Type	Clinical Outcome					
	Age of Recovered			Age of Deceased		
	Mean	Median	Standard Deviation	Mean	Median	Standard Deviation
SARS-COV-2 basal variants (N=571)	43	43	17	62	62	12
B.1 (N=147)	48	49	17	61	64	16
B.1.1 (N=14)	46	53	19	57	57	
B.1.1.7 (N=11)	54	55	16	66	66	29
B.1.617 and its sub lineages (N=92)	40	36	16	57	58	14
Kruskal-Wallis test	Test Statistic=14.723 p-value=0.005			Test Statistic=2.998 p-value=0.558		
Pairwise Comparisons	Significant difference between Variants 2 and 5. Test Statistic=3.022, p-value=0.025			NA		

Table S2. Gender-based difference in the risk of COVID-19 mortality

	Value	df	Asymptotic Significance (2-sided)	Exact Sig. (2-sided)	Exact Sig. (1-sided)
Pearson Chi-Square	2.074a	1	0.15		
Continuity Correction	1.812	1	0.178		
Likelihood Ratio	2.037	1	0.153		
Fisher's Exact Test				0.158	0.09

Table S3. Odds ratio of all possible combinations indicating the chances of mortality against recovery from COVID-19 infection

Combinations	Odds Ratio
Base Category (Basal Variant, Female, Age_ \leq 44) or Intercept	0.030
Basal Variant, Female, Age_ \geq 45_ \leq 64	10.335
Basal Variant, Female, Age_ \geq 65	23.346
Basal Variant, Male, Age_ \leq 44	0.983
Basal Variant, Male, Age_ \geq 45_ \leq 64	11.288
Basal Variant, Male, Age_ \geq 65	24.299
B.1, Female, Age_ \leq 44	0.549
B.1, Female, Age_ \geq 45_ \leq 64	10.854
B.1, Female, Age_ \geq 65	23.865
B.1, Male, Age_ \leq 44	1.502
B.1, Male, Age_ \geq 45_ \leq 64	11.807
B.1, Male, Age_ \geq 65	24.818
B.1.1, Female, Age_ \leq 44	0.344
B.1.1, Female, Age_ \geq 45_ \leq 64	10.649
B.1.1, Female, Age_ \geq 65	23.660
B.1.1, Male, Age_ \leq 44	1.297
B.1.1, Male, Age_ \geq 45_ \leq 64	11.602
B.1.1, Male, Age_ \geq 65	24.613
B.1.1.7, Female, Age_ \leq 44	0.788
B.1.1.7, Female, Age_ \geq 45_ \leq 64	11.092
B.1.1.7, Female, Age_ \geq 65	24.103
B.1.1.7, Male, Age_ \leq 44	1.740
B.1.1.7, Male, Age_ \geq 45_ \leq 64	12.045
B.1.1.7, Male, Age_ \geq 65	25.056
B.1.617, Female, Age_ \leq 44	5.849
B.1.617, Female, Age_ \geq 45_ \leq 64	16.154
B.1.617, Female, Age_ \geq 65	29.165
B.1.617, Male, Age_ \leq 44	6.802
B.1.617, Male, Age_ \geq 45_ \leq 64	17.107
B.1.617, Male, Age_ \geq 65	30.118







