

Supplementary Table S1: Number of cases and the number of hospital deaths by the major waves and dominant variants

Major wave	Dominant variants	Periode	Number of cases N(%)	Number of hospital deaths N(%)
1st Wave	B.1 B.1.1	March 2020 to January 2021	14 532 (37,6)	82 (17,5)
2nd Wave	Alpha (B.1.1.7) Eta (B.1.525) B.1.629 R.1	February 2021 to Jun 2021	9 160 (23,7)	86 (18,3)
3rd Wave	Delta (B.1.617.2)	Jult 2021 to November 2021	7 071 (18,3)	219 (46,7)
4th Wave	Omicron (BA.1)	December 2021 to March 2022	5 696 (14,7)	53 (11,3)
No significant waves	Omicron (BA.2. BA.5, BQ.1, XBB.1)	April 2022 to December 2023	2 113 (5,4)	28 (5,9)
Total			38572	468

No significant waves: During this period, we noted many small peaks marked by the circulation of Omicron sublineages

Supplementary Table S2: Variants analyzed and their sublineages included in the datasets for Guinea sequences used in the phylogenetic and phylogeography analysis

Variant (WHO Name)	Sublineages
B.1.1.7 (Alpha)	-
Eta (B.1.525)	-
B.1.617.2 (Delta)	AY.122; AY.126; AY.34; AY.34.1; AY.36; AY.37; AY.6; AY.98
Omicron BA.1	BA.1.1; BA.1.1.10 ;BA.1.13; BA.1.14; BA.1.15.1; BA.1.16
Omicron BA.2	BA.2; BA.2.1; BA2.2; BA2.3; BA2.4; BA2.5; BA2.7; BA2.8; BA2.9
Omicron BA.5	BA.5.1; BA.5.2; BA.5.2.1; BA.5.1.22; BA.5.2.25; BA.5.5
Omicron BQ.1	BQ.1.1; BQ.1.25
Omicron XBB.1	XBB.1.17.1; XBB.1.5; XBB.1.5.4; XBB.1.5.58; XBB.1.5.89