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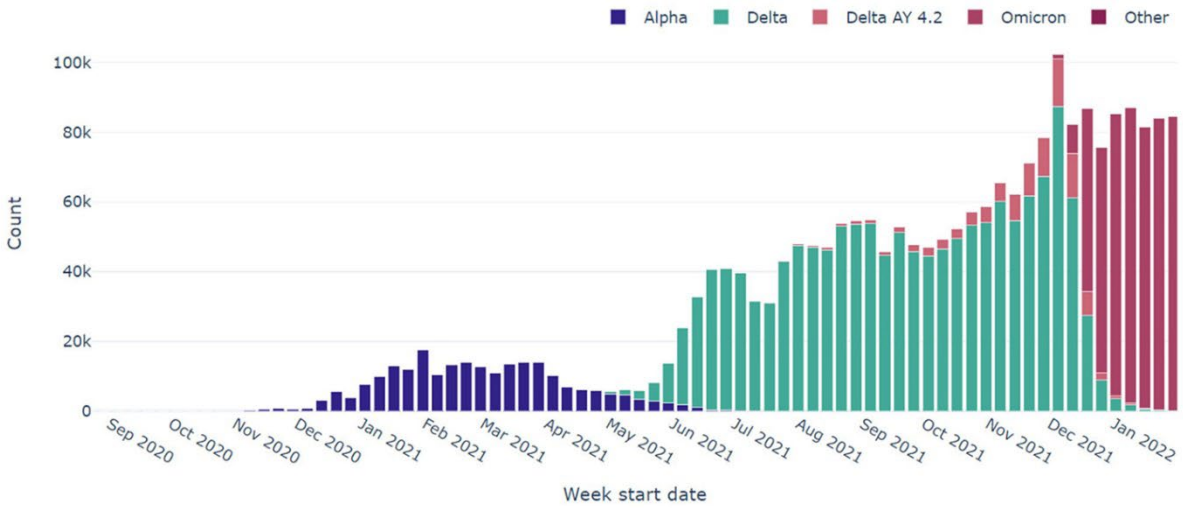
Cycle Threshold Values as Indication of Increasing SARS-CoV-2 New Variants, England, 2020–2022

Appendix

Appendix Table. Rapid genotyping and whole genome sequencing data for (a subset of) tests for SARS Co-V-2 from clinical testing, by calendar period (data from UKHSA)

Variant	Lineage	WHO name	1 Sep 2020–31 Jan 2021		1 Feb 2021–30 Nov 2021		1 Dec 2021–31Jan 2022	
VOC-20DEC-01	B.1.1.7	Alpha	78,410	85.8%	151,968	9.8%	13	0.001%
VOC-21FEB-02	B.1.1.7 with E484K	Alpha with E484K	30	0.03%	21	0.001%		0.0%
VOC-20DEC-02	B.1.351	Beta	191	0.2%	766	0.05%	1	0.0001%
VOC-20DEC-02 or VUI-21JUL-01	B.1.351 or B.1.621	Beta or Mu			12	0.001%	9	0.0005%
VOC-21APR-02	B.1.617.2	Delta	50	0.1%	1,273,965	82.4%	652,565	33.3%
VUI-21OCT-01	AY.4.2	Delta AY 4.2	1	0.001%	65,406	4.2%	84,924	4.3%
VUI-21FEB-03	B.1.525	Eta	58	0.06%	404	0.03%		
VOC-21JAN-02	P.1	Gamma	1	0.001%	254	0.02%	21	0.001%
VUI-21APR-01	B.1.617	Kappa			428	0.03%		
VUI-21JUN-01	C.37	Lambda			8	0.001%		
VUI-21JUL-01	B.1.621	Mu			48	0.003%	2	0.0001%
VOC-21NOV-01	B.1.1.529, BA.1	Omicron	107	0.1%	10,970	0.7%	1,120,807	57.1%
VUI-22JAN-01	BA.2	Omicron	1	0.001%	428	0.03%	12,117	0.6%
VUI-21MAR-02	P.3	Theta			8	0.001%		
VUI-21JAN-01	P.2	Zeta	30	0.03%	19	0.001%		
VUI-21FEB-04	B.1.1.318		7	0.008%	319	0.0%	8	0.0004%
VUI-21MAR-01	B1.324.1 with E484K		2	0.002%				
VUI-21FEB-01	A.23.1 with E484K		73	0.08%	8	0.001%		
VUI-21MAY-01	AV.1				182	0.01%		
VUI-21APR-03	B.1.617.3				16	0.001%		
VUI-21MAY-02	C.36.3				127	0.01%		
Not classified as a variant of concern			90,862	99.4%	40,811	2.6%	91383	4.7%
Total			169,823		1,546,168		1,961,850	

Note: "other" variants in supplementary figure 1 and main text are all variants of concern or under investigation excepting Alpha, Delta and Omicron BA.1.



Appendix Figure. Variant data from whole genome sequence (includes full whole-gene sequencing and rapid genotyping) results for SARS CoV-2 tests from England from 31 August 2020 through 31 January 2022. Other includes all other variants and those not classified as variants of concern.