

Delta Variant Emergence

United Kingdom

Deaths May 28 to September 10, 2021

Cases/hospitalizations May 18 – Sept 1, 2021

Delta 33% May 17 2021 and 99.9% September 1, 2021.

Table 1. Trends in Case Fatality Rates^a Involving SARS-CoV-2 Delta Variant in England from June 21 to September 12, 2021 by Vaccination Status and Stratified by Age (Delta Variant Cumulative Cases Since February 1, 2021)

AGE Category (years)	TB # * (issue date in 2021)	Unvaccinated	Two Doses (>13 days)	One Dose (>20 days)	n one dose/two doses
>= 50	23 (Sept 17)	6.90 %	2.17 %	1.90 %	7129/71991
	20 (Aug 6)	5.96 %	1.81 %	1.15 %	5640/21472
	18 (July 9) *	5.60 %	2.22 % *	0.90 %	4542/5234
	17(Jun 25) *	3.89 %	1.41 %	0.43 %	3865/3546
< 50	23 (Sept 17)	0.053 %	0.056 %	0.0130 %	83009/85407
	20 (Aug 6)	0.033 %	0.051 %	0.0099 %	40449/25536
	18 (July 9) *	0.030 %	0.036 %	0.0022 %	13391/5600
	17(Jun 25) *	0.011 %	0	0.0020 %	9850/3689

a) Death within 28 days of the first positive specimen (hospitalized or not).

* TB # = Technical Briefing Number. SARS-CoV-2 variants of concern and variants under investigation in England: Technical Briefings. <https://www.gov.uk/government/publications/investigation-of-novel-sars-cov-2-variant-variant-of-concern-20201201>

+ Both the TB #17 and #18 reported on cases up to June 21, 2021. The extra data in the July 9 2021 report might potentially explain the increased CFR for two doses at 2.22% for the over or equal to 50 years of age.

Table 2. Trends in Hospitalizations^a Involving SARS-CoV-2 Delta Variant in England from June 21 to September 12, 2021 by Vaccination Status and Stratified by Age (Delta Variant Cumulative Cases Since February 1, 2021)

AGE Category (years)	TB # * (issue date in 2021)	Unvaccinated	Two Doses (>13 days)	One Dose (>20 days)	Proportion of Hospitalized Cases by Age Category
>= 50	23 (Sept 17)	20.9 %	5.43 %	5.51 %	49.7 %
	20 (Aug 6)	19.5 %	5.27 %	4.08 %	40.2 %
	18 (July 9) *	15.4 %	5.06 %	3.08 %	32.3 %
	17(Jun 25) *	13.9 %	4.60 %	2.69 %	31.6 %
< 50	23 (Sept 17)	1.82 %	0.84 %	0.68 %	50.2 %
	20 (Aug 6)	1.55 %	0.88 %	0.74 %	60.0 %
	18 (July 9) *	1.40 %	0.86 %	0.88 % *	67.4 %
	17(Jun 25) *	1.32 %	0.73 %	0.86 %	68.3 %

a) Hospitalized even with a positive PCR result on the day of admission i.e., includes those hospitalized for some other reason than the classical signs and symptoms of COVID-19 but positive for SARS-CoV-2.

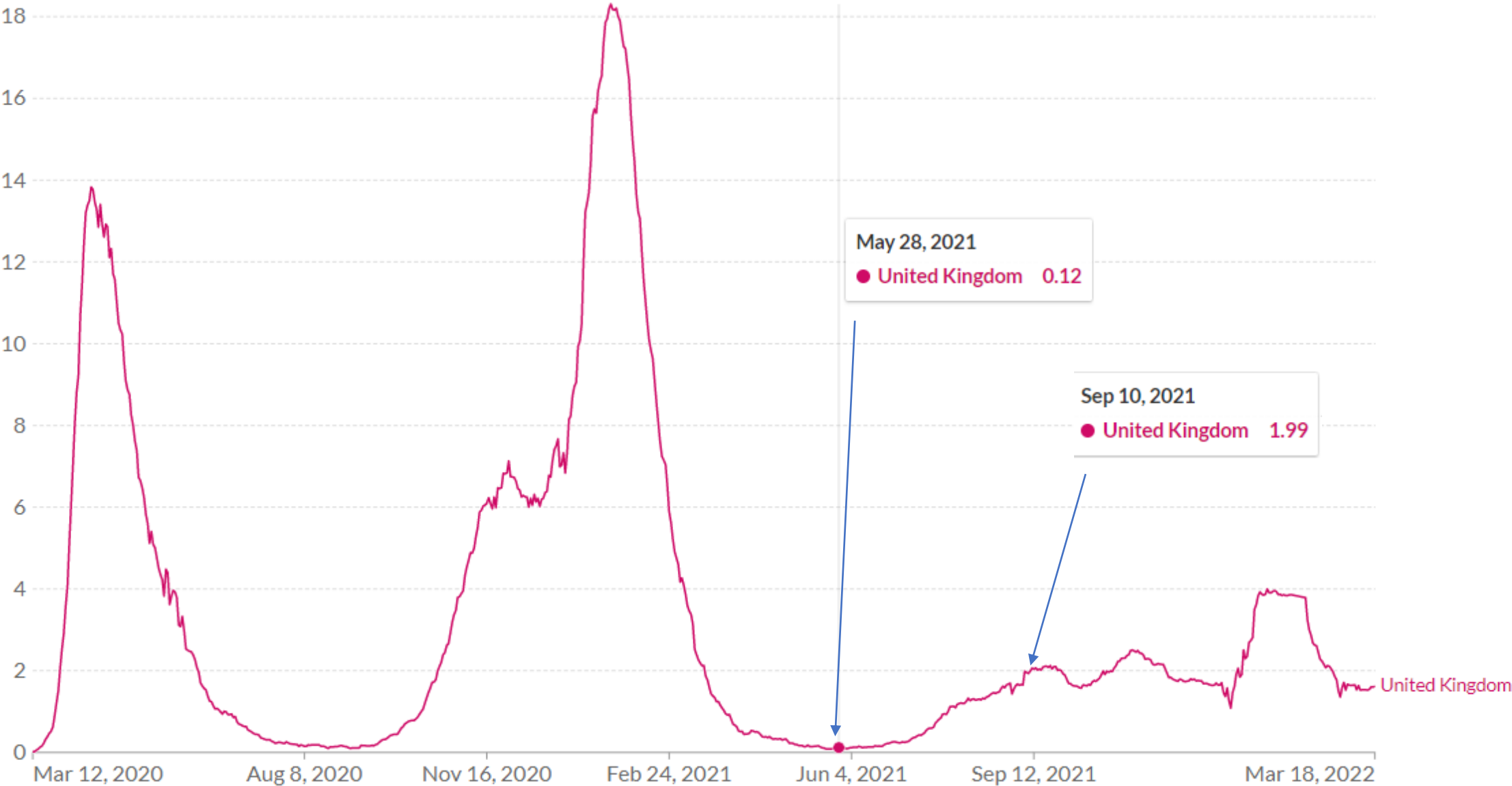
* TB # = Technical Briefing Number. SARS-CoV-2 variants of concern and variants under investigation in England: Technical Briefings. <https://www.gov.uk/government/publications/investigation-of-novel-sars-cov-2-variant-variant-of-concern-20201201>

+ Both the TB #17 and #18 reported on cases up to June 21, 2021. The extra data in the July 9 2021 report might potentially explain the increased hospitalizations for one dose at 0.88 % for the < 50 years of age.

Daily new confirmed COVID-19 deaths per million people

7-day rolling average. For some countries the number of confirmed deaths is much lower than the true number of deaths. This is because of limited testing and challenges in the attribution of the cause of death.

LINEAR LOG

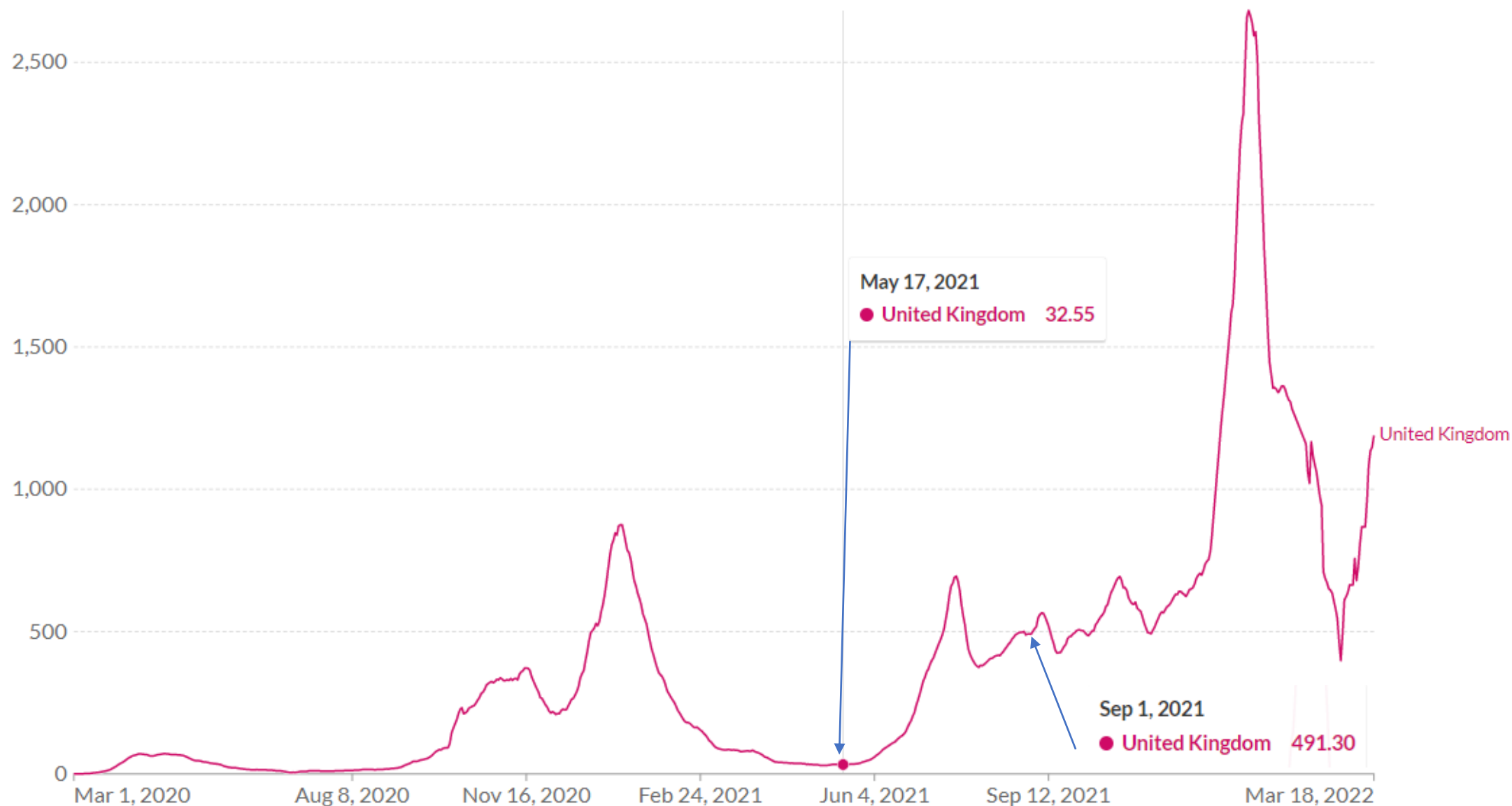


Daily new confirmed COVID-19 cases per million people

7-day rolling average. Due to limited testing, the number of confirmed cases is lower than the true number of infections.

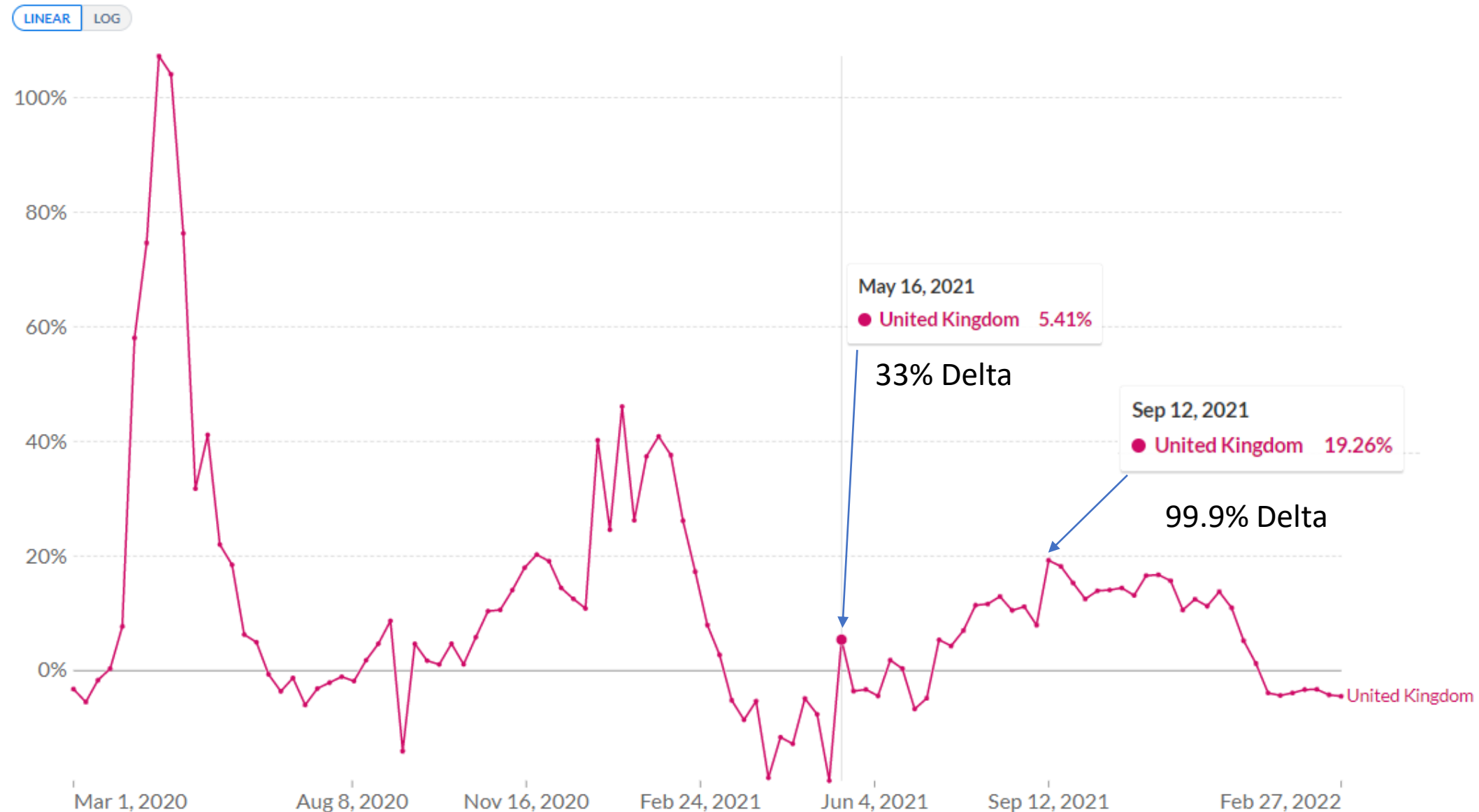
Our World
in Data

LINEAR LOG



Excess mortality: Deaths from all causes compared to projection based on previous years

The percentage difference between the reported number of weekly or monthly deaths in 2020–2022 and the projected number of deaths for the same period based on previous years. The reported number might not count all deaths that occurred due to incomplete coverage and delays in reporting.



Source: Human Mortality Database (2022), World Mortality Dataset (2022)

CC BY

Excess mortality: Deaths from all causes compared to projection based on previous years

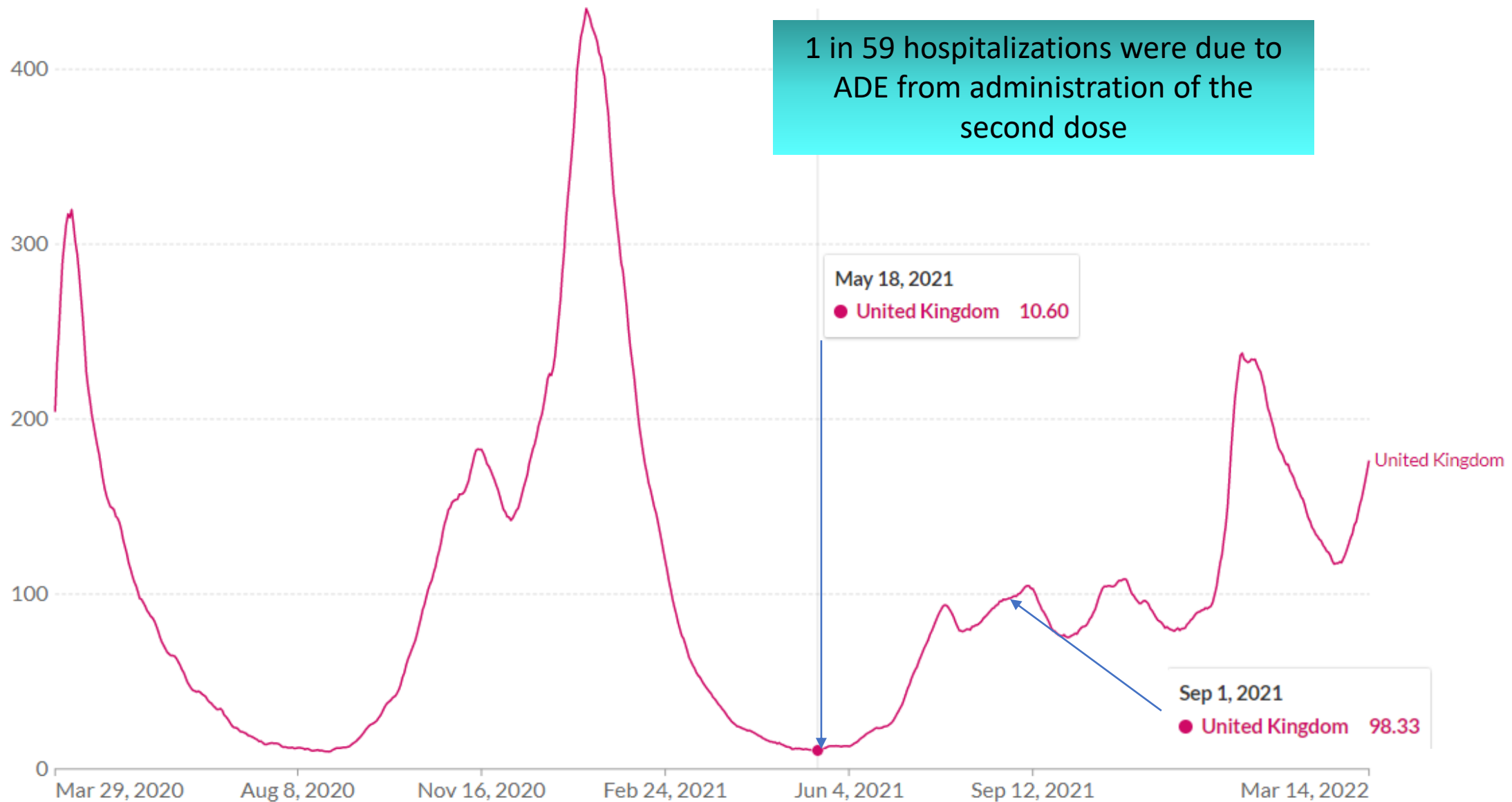
The percentage difference between the reported number of weekly or monthly deaths in 2020–2022 and the projected number of deaths for the same period based on previous years. The reported number might not count all deaths that occurred due to incomplete coverage and delays in reporting.



Weekly new hospital admissions for COVID-19 per million people

Weekly admissions refer to the cumulative number of new admissions over the previous week.

LINEAR LOG



For the hospitalized with delta over the period of about May 18, 2021 to September 1, 2021, 1/59 had severity of disease due to ADE associated with the administration of the second dose. Of these, 48 % died or 1/123.

**Why weren't the vaccines stopped
by mid September 2021 in the U.K.?**