

**Table 2. COVID-19 cases by vaccination status between week 40 and week 43 2021**

Please note that corresponding rates by vaccination status can be found in [Table 5](#).

Cases reported by specimen date between week 40 and week 43 2021	Total	Unlinked*	Not vaccinated	Received one dose (1-20 days before specimen date)	Received one dose, ≥21 days before specimen date	Second dose ≥14 days before specimen date
Under 18	397484	23778	336893	20041	15954	818
18-29	75211	7955	24097	701	8809	33649
30-39	113717	8476	25832	665	7252	71492
40-49	159478	8580	15717	291	4204	130686
50-59	114282	5853	6701	81	1925	99722
60-69	63474	3353	2484	23	835	56779
70-79	37535	2037	917	16	260	34305
≥80	14043	1002	471	7	224	12339

\*individuals whose NHS numbers were unavailable to link to the NIMS

<sup>1</sup> In the context of very high vaccine coverage in the population, even with a highly effective vaccine, it is expected that a large proportion of cases, hospitalisations and deaths would occur in vaccinated individuals, simply because a larger proportion of the population are vaccinated than unvaccinated and no vaccine is 100% effective. This is especially true because vaccination has been prioritised in individuals who are more susceptible or more at risk of severe disease. Individuals in risk groups may also be more at risk of hospitalisation or death due to non-COVID-19 causes, and thus may be hospitalised or die with COVID-19 rather than because of COVID-19.

**Table 3. COVID-19 cases presenting to emergency care (within 28 days of a positive specimen) resulting in an overnight inpatient admission by vaccination status between week 40 and week 43 2021**

Please note that corresponding rates by vaccination status can be found in [Table 5](#).

<b>Cases presenting to emergency care (within 28 days of a positive test) resulting in overnight inpatient admission, by specimen date between week 40 and week 43 2021</b>	<b>Total</b>	<b>Unlinked*</b>	<b>Not vaccinated</b>	<b>Received one dose (1-20 days before specimen date)</b>	<b>Received one dose, ≥21 days before specimen date</b>	<b>Second dose ≥14 days before specimen date</b>
Under 18	581	20	539	12	9	1
18-29	323	7	212	3	30	71
30-39	665	9	425	5	37	189
40-49	1006	16	472	5	45	468
50-59	1233	18	474	1	51	689
60-69	1308	7	318	2	29	952
70-79	1802	5	198	3	32	1564
≥80	1804	3	168	0	33	1600

\*individuals whose NHS numbers were unavailable to link to the NIMS

<sup>1</sup> In the context of very high vaccine coverage in the population, even with a highly effective vaccine, it is expected that a large proportion of cases, hospitalisations and deaths would occur in vaccinated individuals, simply because a larger proportion of the population are vaccinated than unvaccinated and no vaccine is 100% effective. This is especially true because vaccination has been prioritised in individuals who are more susceptible or more at risk of severe disease. Individuals in risk groups may also be more at risk of hospitalisation or death due to non-COVID-19 causes, and thus may be hospitalised or die with COVID-19 rather than because of COVID-19.

**Table 4. COVID-19 deaths (a) within 28 days and (b) within 60 days of positive specimen or with COVID-19 reported on death certificate, by vaccination status between week 40 and week 43 2021**

Please note that corresponding rates by vaccination status can be found in [Table 5](#).

(a)

<b>Death within 28 days of positive COVID-19 test by date of death between week 40 and week 43 2021</b>	<b>Total</b>	<b>Unlinked*</b>	<b>Not vaccinated</b>	<b>Received one dose (1-20 days before specimen date)</b>	<b>Received one dose, ≥21 days before specimen date</b>	<b>Second dose ≥14 days before specimen date</b>
Under 18	6	0	6	0	0	0
18-29	9	0	7	0	0	2
30-39	25	1	17	0	2	5
40-49	73	1	37	0	1	34
50-59	179	4	81	0	5	89
60-69	420	3	118	0	14	285
70-79	809	2	115	0	18	674
≥80	1564	4	157	0	45	1358

(b)

<b>Death within 60 days of positive COVID-19 test by date of death between week 40 and week 43 2021</b>	<b>Total</b>	<b>Unlinked*</b>	<b>Not vaccinated</b>	<b>Received one dose (1-20 days before specimen date)</b>	<b>Received one dose, ≥21 days before specimen date</b>	<b>Second dose ≥14 days before specimen date</b>
Under 18	8	0	7	0	1	0
18-29	14	0	9	0	0	5
30-39	38	2	24	0	3	9
40-49	110	2	56	0	6	46
50-59	241	4	104	0	7	126
60-69	535	3	157	0	20	355
70-79	980	4	131	0	23	822
≥80	1897	4	181	1	63	1648

\*individuals whose NHS numbers were unavailable to link to the NIMS

\*\* number of deaths of people who had had a positive test result for COVID-19 and either died within 60 days of the first positive test or have COVID-19 mentioned on their death certificate

<sup>1</sup> In the context of very high vaccine coverage in the population, even with a highly effective vaccine, it is expected that a large proportion of cases, hospitalisations and deaths would occur in vaccinated individuals, simply because a larger proportion of the population are vaccinated than unvaccinated and no vaccine is 100% effective. This is especially true because vaccination has been prioritised in individuals who are more susceptible or more at risk of severe disease. Individuals in risk groups may also be more at risk of hospitalisation or death due to non-COVID-19 causes, and thus may be hospitalised or die with COVID-19 rather than because of COVID-19.

**Table 5. Unadjusted rates of COVID-19 infection, hospitalisation and death in vaccinated and unvaccinated populations.**

Please note that the following table should be read in conjunction with pages 13-15 of this report, and the footnotes provided on page 21.

	Cases reported by specimen date between week 40 and week 43 2021		Cases presenting to emergency care (within 28 days of a positive test) resulting in overnight inpatient admission, by specimen date between week 40 and week 43 2021		Death within 28 days of positive COVID-19 test by date of death between week 40 and week 43 2021		Death within 60 days of positive COVID-19 test by date of death between week 40 and week 43 2021	
	Unadjusted rates among persons vaccinated with 2 doses (per 100,000) <sup>1,2</sup>	Unadjusted rates among persons not vaccinated (per 100,000) <sup>1,2</sup>	Unadjusted rates among persons vaccinated with 2 doses (per 100,000) <sup>2</sup>	Unadjusted rates among persons not vaccinated (per 100,000) <sup>2</sup>	Unadjusted rates among persons vaccinated with 2 doses (per 100,000) <sup>2</sup>	Unadjusted rates among persons not vaccinated (per 100,000) <sup>2</sup>	Unadjusted rates among persons vaccinated with 2 doses (per 100,000) <sup>2</sup>	Unadjusted rates among persons not vaccinated (per 100,000) <sup>2</sup>
Under 18	345.8	2,891.2	0.4	4.6	0.0	0.1	0.0	0.1
18-29	614.4	709.5	1.3	6.2	0.0	0.2	0.1	0.3
30-39	1,221.3	893.0	3.2	14.7	0.1	0.6	0.2	0.8
40-49	2,124.6	932.9	7.6	28.0	0.6	2.2	0.7	3.3
50-59	1,408.8	656.1	9.7	46.4	1.3	7.9	1.8	10.2
60-69	998.8	460.5	16.7	59.0	5.0	21.9	6.2	29.1
70-79	740.6	372.9	33.8	80.5	14.6	46.8	17.7	53.3
≥80	480.3	374.9	62.3	133.7	52.9	125.0	64.2	144.1