

## Mortality Rates for All Deaths and Deaths Involving COVID-19, England

### Description

Statistics published by the Office for National Statistics [UK] on the 24<sup>th</sup> of September 2021, deaths by vaccination status in ENGLAND, between the 2<sup>nd</sup> of January and the 24<sup>th</sup> of September 2021, are as follows:

#### All deaths regardless of vaccination status ( 322,692)

1. **Unvaccinated (92,711)**
2. Deaths within 21 days of the first dose (16,634)
3. Deaths 21 days or more after first dose (69,672)
4. Deaths within 21 days of second dose (10,850)
5. Deaths 21 days or more after the second dose (132,825)

#### Conclusion:

Two hundred twenty-nine thousand nine hundred eighty-one people have died between the 2<sup>nd</sup> of January and the 24<sup>th</sup> of September 2021 in England, either within 21 days of the first and second dose, and after 21 days of the first and second dose compared to ninety-two thousand seven hundred eleven people who died unvaccinated.

Source: [Deaths by Vaccination Status in England](#)

Table 8: Age-standardised mortality rates for all deaths and deaths involving COVID-19, England, deaths occurring between 2 January and 24 September 2021

	Deaths involving COVID-19	All deaths
	Number of deaths	Number of deaths
Unvaccinated	34,474	92,711

Received only the first dose, less than 21 days ago	3,880	16,634
Received only the first dose, at least 21 days ago	6,663	69,672
Received the second dose, less than 21 days ago	171	10,850
Received the second dose, at least 21 days ago	4,308	132,825
TOTAL	49,496	322,692

Source: Office for National Statistics, National Immunisation Management Service

Notes:

1. Age-standardised mortality rates per 100,000 person-years, standardised to the 2013 European Standard Population using 5-year age groups from age 10 and over. Person-years take into account both the number of people and the amount of time spent in each vaccination state. For example, 100 people in a particular vaccination state for 0.5 years would be 50 person-years.
2. Office for National Statistics (ONS) figures based on death registrations up to 28 July 2021 for deaths that occurred between 2 January and 24 September 2021 (Week 1 – Week 38) and were registered by 6 October 2021.
3. ASMRs are calculated using the Public Health Data Asset, a linked dataset of people resident in England, who could be linked to the 2011 Census and GP Patient Register.
4. Deaths were defined using the International Classification of Diseases, tenth revision (ICD-10).
4. Deaths involving the coronavirus (COVID-19) are defined as those with an underlying cause, or any mention of, ICD-10 codes U07.1 (COVID-19 virus identified) or U07.2 (COVID-19, virus not identified). Please note, this differs from the definition used in the majority of mortality outputs
5. Non-overlapping confidence intervals denote a statistically significant difference in ASMR.
6. Low ASMRs for deaths in people who had received a dose less than 21 days prior could be due to people who had recently been infected or had another illness not receiving their dose.