

Public Health Intelligence

Outbreak Management Advisory Board – 29 October 2021

Excess Mortality

Data pack produced: 19 October 2021

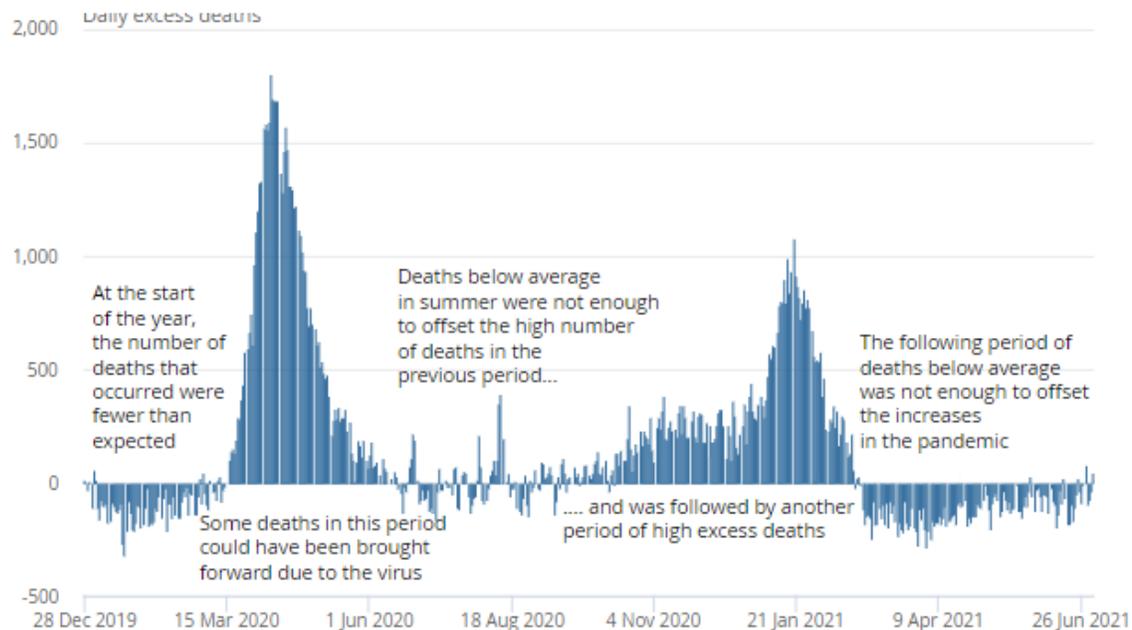
Produced by: Colin Bainbridge

Excess Mortality – England and Wales

Last refreshed	15/10/2021	Data source(s): ONS	Office for National Statistics
Descriptor	Weekly excess mortality from all causes in North Yorkshire.		
Key points	<ul style="list-style-type: none"> • In England and Wales, from week ending 3 January 2020 to 2 July 2021, there were 97,981 excess deaths (compared with what we would expect in a non-pandemic period) • We have seen periods of large numbers of excess deaths during wave 1 and wave 2. After each wave we have seen periods where daily deaths were below the expected number, but these periods were not enough to offset the high number of excess deaths during wave 1 and wave 2. 		

Figure 1: The number of deaths below average was not enough to offset the number of deaths above average during the pandemic

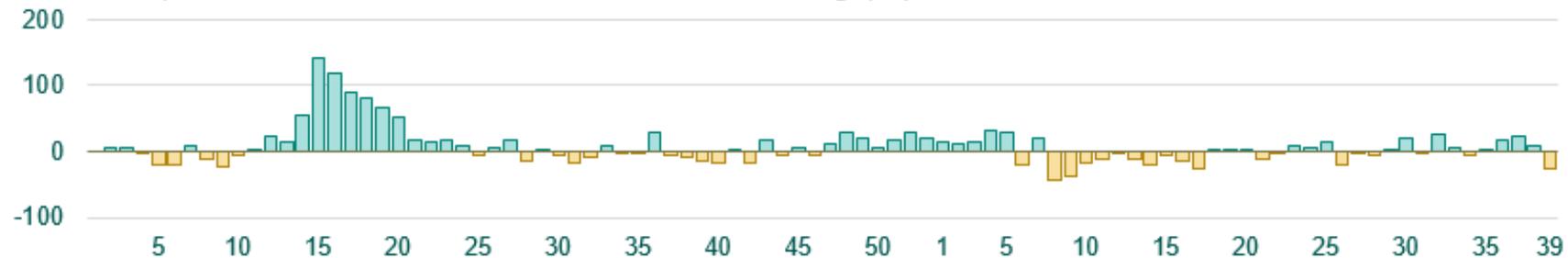
Number of excess deaths occurring on each day, from 28 December 2019 to 2 July 2021 and registered by 18 September 2021



Excess Mortality in North Yorkshire

Last refreshed	15/10/2021	Data source(s): ONS	Office for National Statistics
Descriptor	Weekly excess mortality from all causes in North Yorkshire.		
Key points	<ul style="list-style-type: none"> • Peak excess mortality in North Yorkshire occurred in week 15 2019/20 with 141 deaths in excess of the 5 year average (2015-2019). • In week 39 2020/21, the most recent week for which data is available, there were 25 fewer deaths than the 5 year average. • The 5 year average for the weeks of the pandemic indicates 11,347 expected deaths. 11,906 deaths have been recorded – an excess of 559. 		

Excess deaths (2020 and 2021 deaths minus 2015 to 2019 average) up to 1 October 2021



Greater than the 5 year average

Note - values for deaths occurring for the most recent week are likely to be lower than the final values due to the time lag in reporting.

Less than the 5 year average

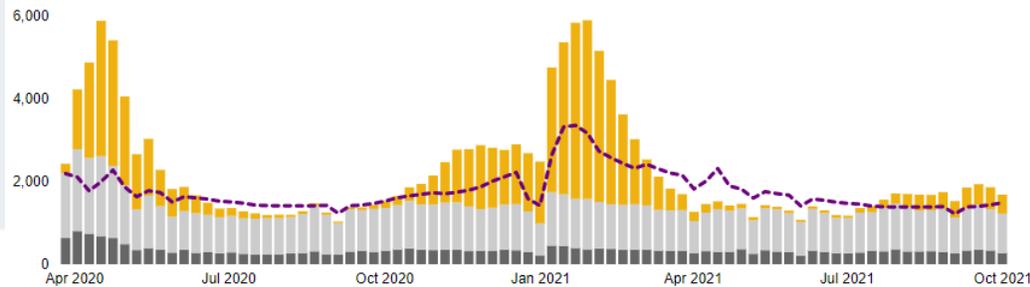
Data source: ONS Death registrations and occurrences by local authority and health board. Produced by LKIS, Public Health England



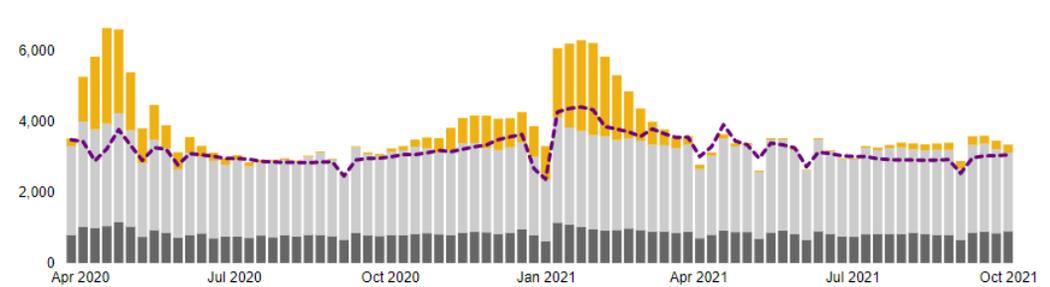
Cause of death

Last refreshed	15/10/2021	Data source(s): ONS	Office for National Statistics
Descriptor	Weekly excess mortality by cause of death in England.		
Key points	<ul style="list-style-type: none"> Nationally, Acute Respiratory Infections and Other Circulatory Diseases have been the leading causes of death, where COVID-19 was an underlying cause. In England, Dementia and Alzheimer's accounted for the third largest cause of death, where COVID-19 was an underlying cause, particularly during the first wave of the pandemic. While for some causes of death very high peaks have been followed by lower than expected deaths in subsequent weeks, for Diabetes, deaths have been higher than expected in almost every week of the pandemic. 		

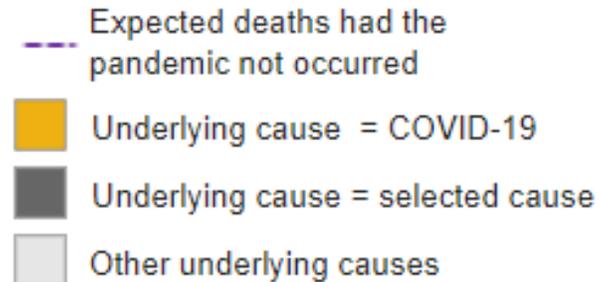
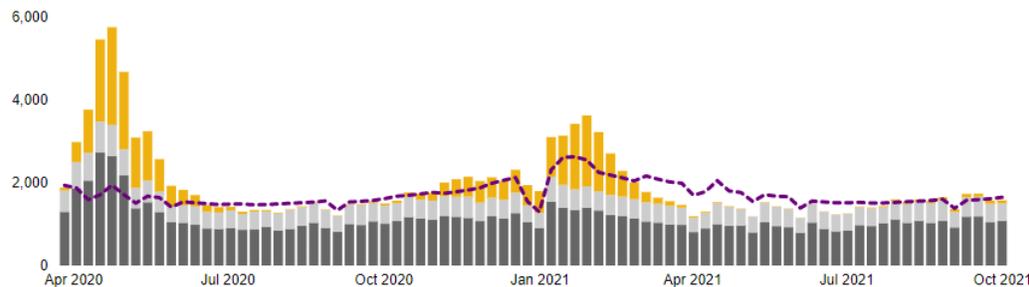
Weekly Registered Deaths, Acute respiratory infections, England



Weekly Registered Deaths, Other circulatory diseases, England



Weekly Registered Deaths, Dementia and Alzheimer's, England

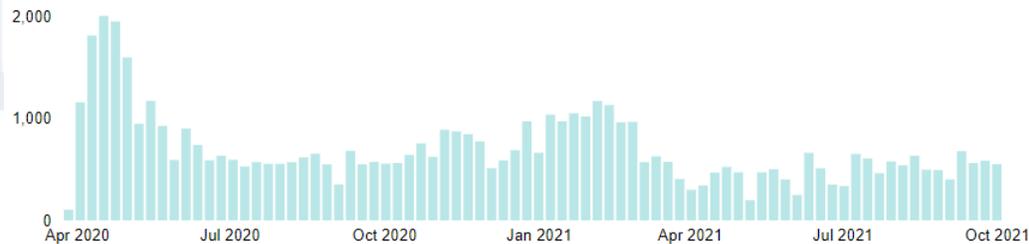


Source: ONS Excess Mortality in England dashboard

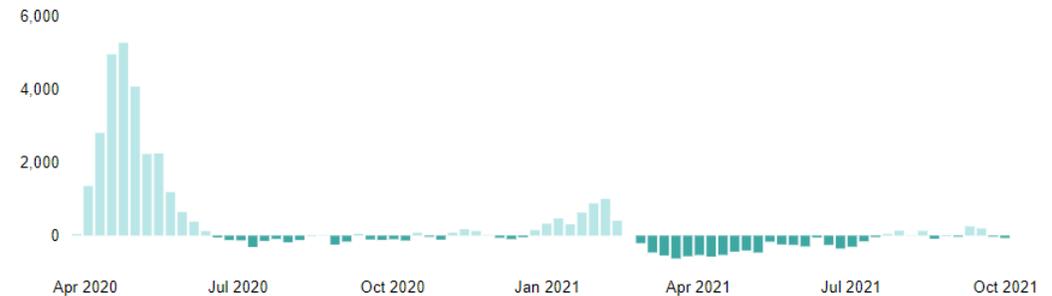
Place of death

Last refreshed	15/10/2021	Data source(s)	OHID
Descriptor	Weekly excess mortality by place of death in England.		
Key points	<ul style="list-style-type: none"> Deaths in excess of expected numbers have been seen across all settings across England, with the exception of hospices, particularly early in the pandemic. Excess deaths at home have occurred during every week of the pandemic. In care homes very high numbers of excess deaths were seen in the first wave of the pandemic and to a lesser extent in the second wave. In the weeks between there were fewer deaths than expected, reflecting the premature deaths of residents with underlying health conditions in previous weeks. Both the first and second waves of the pandemic saw very high excess deaths in hospitals, with fewer than expected deaths in subsequent weeks. 		

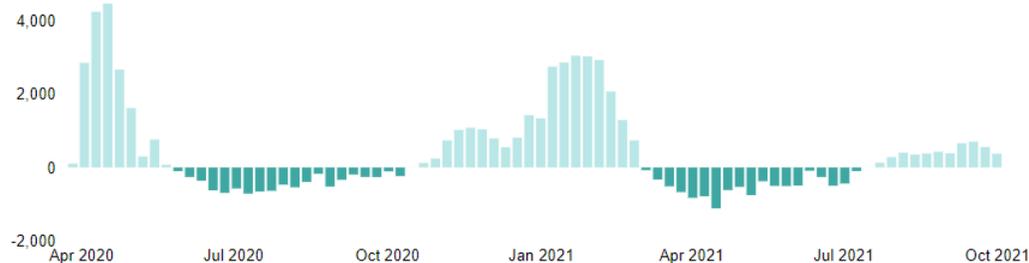
Weekly Excess Deaths by Date of Registration, Home, England



Weekly Excess Deaths by Date of Registration, Care home (nursing or residential), England



Weekly Excess Deaths by Date of Registration, Hospital (acute or community, not psychiatric), England



■ Excess deaths
■ Fewer deaths than expected

Note: Vertical axis scales vary



Data sources

Office for National Statistics, Excess Deaths weekly update

Office for Health Improvements and Disparities - Excess Mortality in England dashboard

<https://www.gov.uk/government/statistics/excess-mortality-in-england-weekly-reports>

Office for National Statistics - Excess mortality and mortality displacement in England and Wales: 2020 to mid-2021

<https://www.ons.gov.uk/peoplepopulationandcommunity/birthsdeathsandmarriages/deaths/articles/excessmortalityandmortalitydisplacementinenglandandwales/2020tomid2021>