Data Analysis and Visualisation

ACCB4002

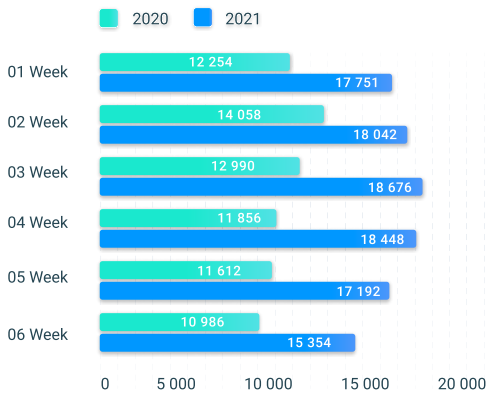
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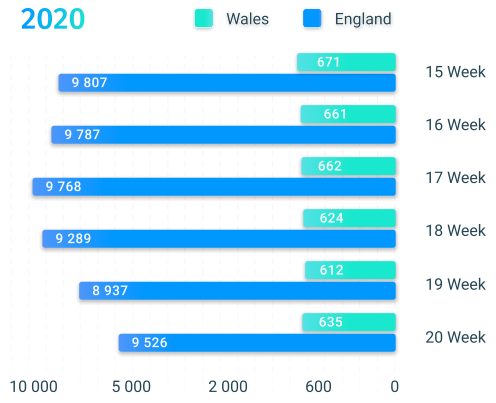
CORONAVIRUS - 19

1. Total number of deaths varied over the period between weeks



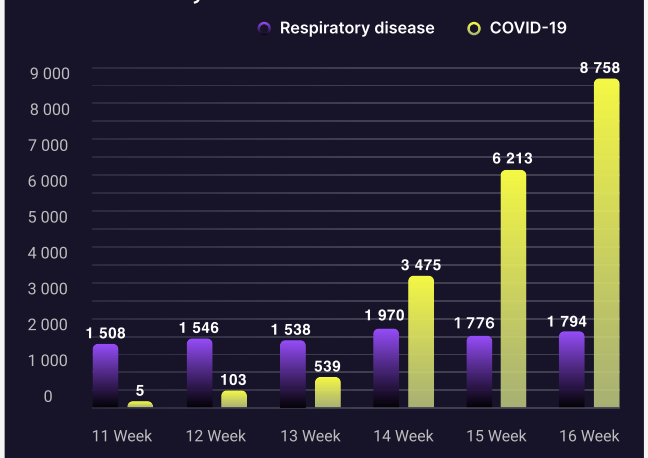
We can observe that the number of deaths increased in 2021 from ±4000 person to ±5000 person per week

2. Differences of total average deaths between England and Wales



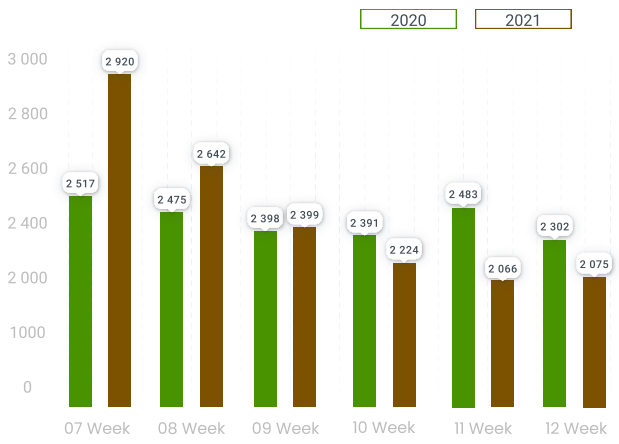
As we can see, that Wales had +/- 6% rate of death in England

3. What are the differences of deaths between respiratory disease and COVID-19 over the period of week between 11 and 16 in the year 2020?



At the beginning of the 14th week of 2020, the number of deaths from covid increased sharply, and respiratory diseases continued to remain at the same levels.

4. The differences of deaths by age group of 90+ over the week between 7 and 12 in the year 2020 and 2021?



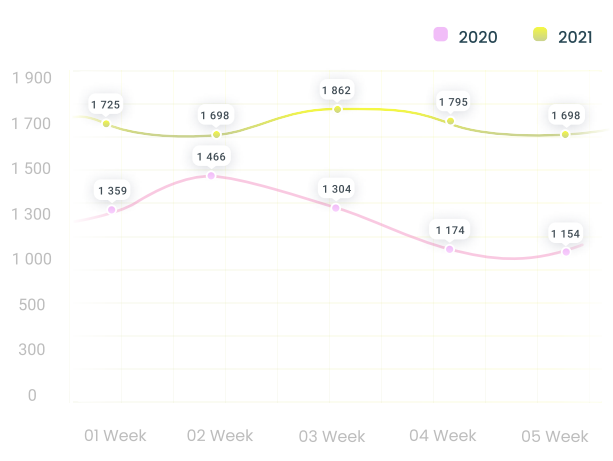
We can see from the chart that in 2021 were outbreaks of deaths, but after weeks they began to decline from 2 920 to 2 066.

5. The differences of males deaths in the year of 2020 and 2021 by age group 75-79 over the week between 10 and 15



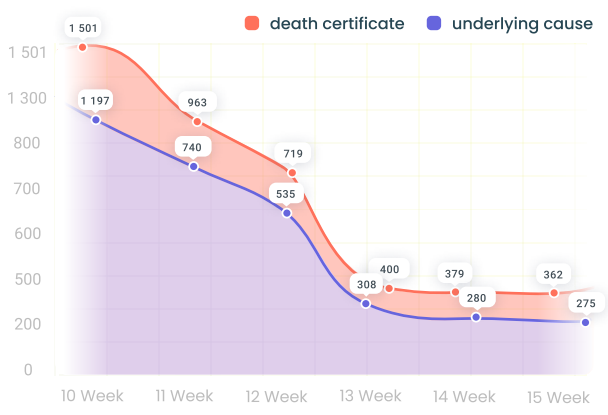
Comparing years 2020 and 2021 males deaths from 2020 growing gradually, oposite side from 2021, each week its going lower and rising back from 14 week

6. The differences of female deaths in the year of 2020 and 2021 by age group 85 – 89 over the week between 1 and 5

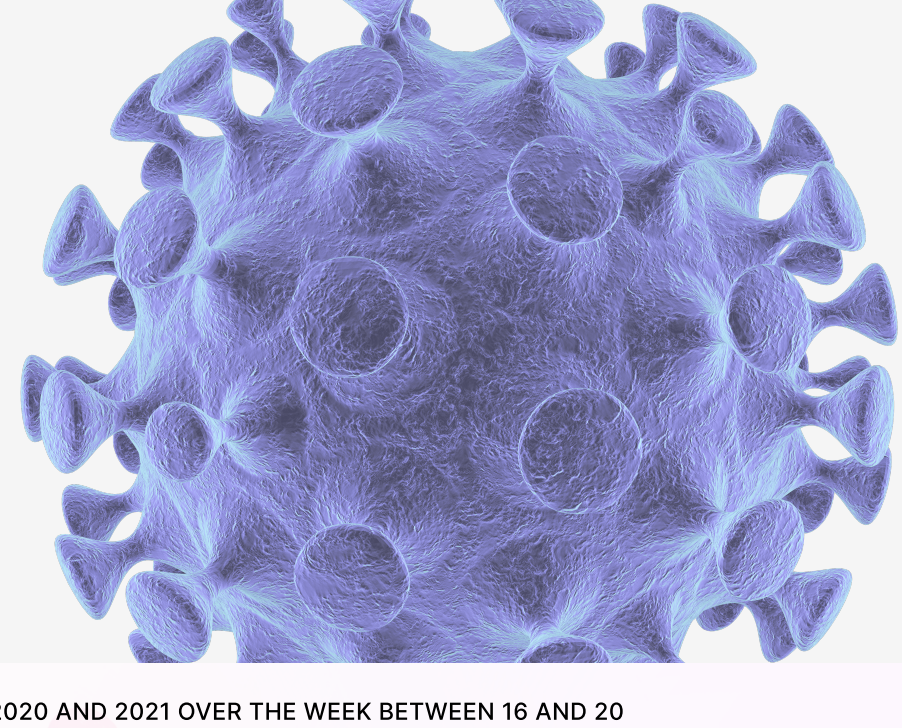


In 2020 deaths gradually rises up to 1466 and then declines to 1154,
In 2021 in the week two its droping down to 1698 and in the end of week 5 it doesn't change much

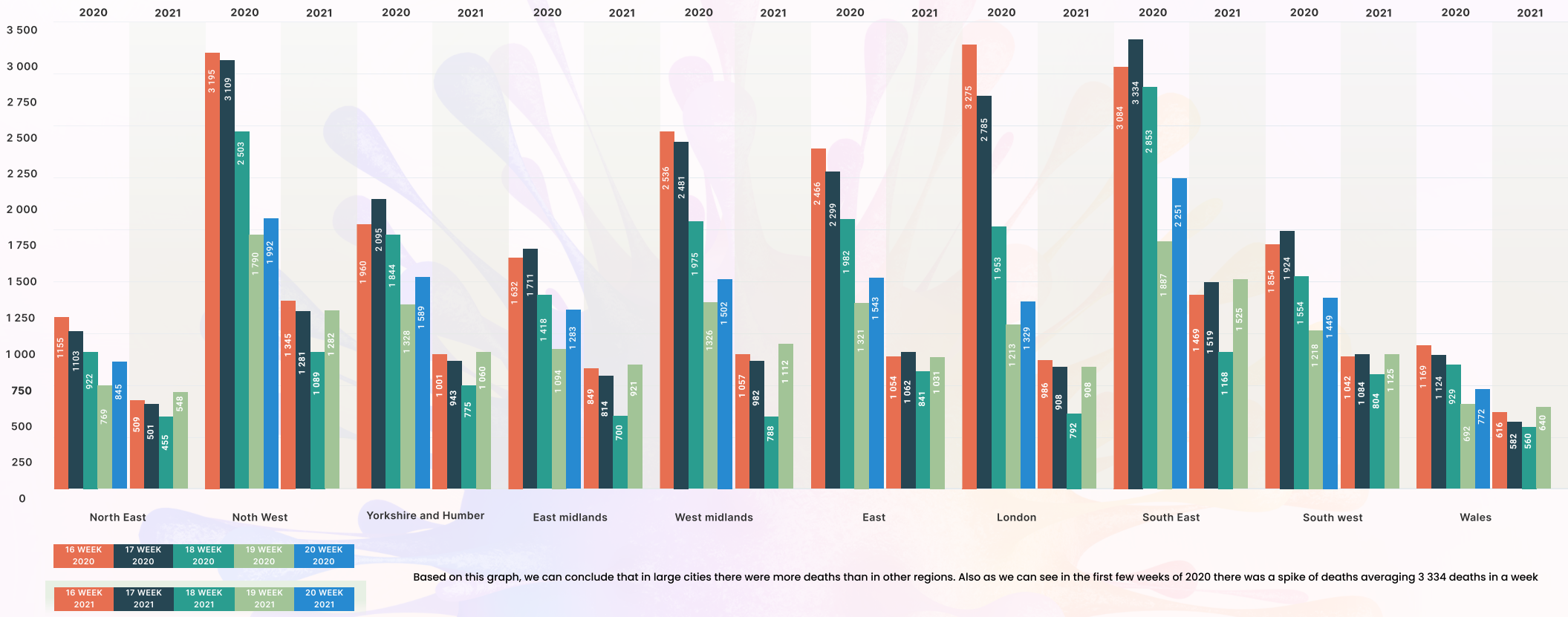
7. The differences of deaths involving COVID-19 between any mention on the death certificate and underlying cause between week 10 and 15



COVID-19 between death certificate and underlying from week 100 declining from 1501 to 362 for death sertificate and from 1197 to 275 for underlying



8. THE DIFFERENCES OF DEATHS BY REGION BETWEEN THE YEAR 2020 AND 2021 OVER THE WEEK BETWEEN 16 AND 20



Based on this graph, we can conclude that in large cities there were more deaths than in other regions. Also as we can see in the first few weeks of 2020 there was a spike of deaths averaging 3 334 deaths in a week