# Case fatality in hospitalised patients after 23rd March 2020 

Ewen Harrison, Annemarie Docherty, Calum Semple (CO-CIN)

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## Aim

To identify any difference in case fatality from COVID-19 before and after 23rd March 2020 associated with age and comorbidity.

## Summary

Fewer deaths are seen after 23rd March 2020 by both simple case count and in formal survival models.

## Methods

CO-CIN is a clinical study of 33,413 COVID-19 patients (as of 2020-05-11) admitted to UK hospitals. To avoid bias in the assessment of outcomes, patients admitted to hospital in the most recent 2 weeks were excluded.

## Results

Case fatality in hospitalised patients with COVID-19 (CO-CIN)
Before and after 23rd March 2020 stratified by age and the presence of any comorbidity. $\mathrm{N}=24832$.
Denominator is all patients admitted prior to 10 April 2020.
Numbers are deaths / total per group and proportion (\%). Binomial confidence intervals. Fisher's exact test.
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Shielding Before 23 March 2020 After 23 March 2020


Mortality in hopsitalised patients with COVID-19 (CPH model)


- CPH: Cox proportional hazards survival model accounting for discharge competing death.

Number in dataframe $=27109$, Number in model $=25557$, Missing $=1552$, Number of events $=6877$, Concordance $=0.659(\mathrm{SE}=$ $0.003)$, R-squared $=0.094($ Max possible $=0.995)$, Likelihood ratio test $=2523.734(\mathrm{df}=3, \mathrm{p}=0.000)$

