Table 2: Risk factors associated with dying of/with COVID-19: England, 2nd March to 16th June 2020

Explanatory variables		Number of deaths	Adjusted Risk Ratio†			Adjusted Risk Ratio††		
			aRR	95% CI	p value**	aRR	95% CI	p value‡
Gender	Men	27,272	1.00	-	-	1.00	-	-
	Women	22,310	0.56	0.45-0.69	<0.001	0.55	0.51-0.60	<0.001
Age at death* (years)	15-19	13	1.80	1.75-1.85	<0.001	1.79	1.77-1.81	<0.001
	20-29	80						
	30-39	226						
	40-49	726						
	50-59	2,290						
	60-69	4,840						
	70-79	11,120						
	80-89	19,542						
	≥90	10,745						
Ethnicity	White	42,822	1.00	-	-	1.00	-	-
	Black	1,943	3.89	3.14-4.78		3.44	3.06-3.87	
	Asian	2,785	2.25	1.82-2.77		2.24	2.00-2.52	
	Other/mixed	1,176	2.84	2.29-3.52	<0.001	3.23	2.86-3.65	<0.001
	Unknown	856	-	-	-	-	-	-
HIV status	Without HIV	49,483	1.00	-	-	1.00	-	-
	With HIV	99	2.21	1.64-2.97	<0.001	2.18	1.76-2.70	<0.001

aRR=adjusted risk ratio; CI=confidence interval
*Age at death modelled as a continuous variable (increasing five-year age-bands)
**χ^2 test
† Adjusted for age at death and each explanatory variable (gender, HIV status or ethnicity)
†† Adjusted for all explanatory variables (gender, age at death, HIV status and ethnicity)
‡ Likelihood ratio test