

Appendix

Supplementary table 1: Demographic and clinical characteristics for the Welsh and English validation cohorts and for those who died with COVID-19 in the two time periods

	Welsh validation study						English validation study					
	Overall cohort		COVID-19 death in first period		COVID-19 death in second period		Overall cohort		COVID-19 death in first period		COVID-19 death in second period	
	N	%	N	%	N	%	N	%	N	%	N	%
Overall	1,956,760		1192	0.06	610	0.03	34897648		26,985	0.08	13,177	0.04
Sex												
Male	967,975	49.47	674	56.54	299	49.02	16,599,875	47.57	15,334	56.82	6,617	50.22
Female	988,785	50.53	518	43.46	311	50.98	18,297,773	52.43	11,651	43.18	6,560	49.78
Age, years (mean)	50.8		79.4		81.0		51.09		79.98		82.13	
Age group, years												
19–29	318,681	16.29	*		*		5,601,475	16.05	44	0.16	13	0.10
30–39	313,802	16.04	*		*		5,268,030	15.10	116	0.43	30	0.23
40–49	304,363	15.55	16	1.34	*		5,625,225	16.12	364	1.35	125	0.95
50–59	353,539	18.07	61	5.12	28	4.59	6,435,204	18.44	1,196	4.43	400	3.04
60–69	291,042	14.87	132	11.07	49	8.03	5,185,917	14.86	2,727	10.11	962	7.30
70–79	240,840	12.31	305	25.59	136	22.30	4,225,729	12.11	6,280	23.27	2,695	20.45
80–89	111,631	5.70	429	35.99	250	40.98	2,093,545	6.00	10,841	40.17	5,580	42.35
≥90	22,862	1.17	242	20.30	138	22.62	462,523	1.33	5,417	20.07	3,372	25.59
Ethnicity												
Bangladeshi	7,011	0.36	*		*		258,053	0.74	179	0.66	29	0.22
Black^	8,312	0.42	*		*		895,529	2.56	1,130	4.18	186	1.41
Indian	8,885	0.45	*		*		931,247	2.67	800	2.96	216	1.64
Mixed	27,582	1.41	*		*		551,567	1.58	184	0.68	67	0.51
Other^	27,786	1.42	*		*		1,021,472	2.92	697	2.59	157	1.19
Pakistani	7,688	0.39	*		0	0.00	679,062	1.95	426	1.58	123	0.93
White	1,741,527	89.00	1113	93.37	579	94.92	30,560,718	87.58	23,569	87.34	12,399	94.09
Not recorded	127,969	6.54	52	4.36	19	3.11						
Townsend deprivation quintile												
1 (most affluent)	335,459	17.14	156	13.09	98	16.07	7,491,652	21.47	4,993	18.50	2,842	21.57
2	413,486	21.13	221	18.54	129	21.15	7,738,292	22.17	5,326	19.74	2,967	22.52
3	559,024	28.57	369	30.96	179	29.34	6,834,804	19.58	5,111	18.94	2,647	20.09
4	453,474	23.17	304	25.50	141	23.11	6,467,204	18.53	5,365	19.88	2,472	18.76
5 (most deprived)	195,317	9.98	142	11.91	63	10.33	6,366,096	18.24	6,190	22.94	2,249	17.07
Accommodation												
Neither homeless nor care home	1,940,224	99.15	987	82.80	476	78.03	34,667,007	99.34	19,995	74.10	9,039	68.60
Care home or nursing home	16,536	0.85	205	17.20	134	21.97	230,641	0.66	6,990	25.90	4,138	31.40
Body-mass index, kg/m ²												
<18.5	21,944	1.12	53	4.45	33	5.41	393,928	1.13	983	3.64	614	4.66
18.5 to <25	316,569	16.18	277	23.34	161	26.39	6,658,276	19.08	5,776	21.40	2,965	22.50
25 to <30	375,501	19.19	300	25.17	154	25.25	6,661,721	19.09	5,552	20.57	2,385	18.10
≥30	403,871	20.64	294	24.66	114	18.69	5,661,007	16.22	5,540	20.53	2,066	15.68
Not recorded	838,875	42.87	268	22.48	148	24.26	15,522,716	44.48	9,134	33.85	5,147	39.06

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Supplementary table 1: Continued

	Welsh validation study						English validation study					
	Overall cohort		COVID-19 death in first period		COVID-19 death in second period		Overall cohort		COVID-19 death in first period		COVID-19 death in second period	
	N	%	N	%	N	%	N	%	N	%	N	%
Chronic kidney disease												
No Chronic Kidney disease	1,874,451	95.79	869	72.90	412	67.54	34,392,544	9855	24,425	90.51	11,939	90.60
Stage 3	72,669	3.71	252	21.14	165	27.05	436,595	1.25	1,820	6.74	914	6.94
Stage 4	3,928	0.20	30	2.52	20	3.28	45,638	0.13	452	1.68	205	1.56
Stage 5	5,712	0.29	41	3.44	13	2.13	22,871	0.07	288	1.07	119	0.90
Learning disability												
No learning disability	1,928,040	98.53	1163	97.57	587	96.23	34,393,288	98.55	25,300	93.76	12,386	94.00
Learning disability	28,486	1.46	29	2.43	23	3.77	490,357	1.41	1,616	5.99	*	
Down Syndrome	234	0.01	0	0.00	0	0.00	14,003	0.04	69	0.26	*	
Chemotherapy												
No chemotherapy in past 12-months	1,949,761	99.64	1167	97.90	597	97.87	34,776,317	99.65	26,472	98.10	12,908	97.96
Chemotherapy in past 12-months	6,999	0.36	25	2.10	13	2.13	121,331	0.35	513	1.9	269	2.04
Cancer and immunosuppression												
Blood cancer	10,547	0.54	38	3.19	14	2.30	336,990	0.97	897	3.32	465	3.53
Respiratory cancer	5,691	0.29	20	1.68	10	1.64	9,720	0.03	142	0.53	66	0.50
Radiotherapy in past 6-months	1,827	0.09	*		*		56,252	0.16	174	0.64	100	0.76
Bone marrow transplant in past 6-months	56	0.00	0	0	0	0.00						
Solid organ transplant	806	0.04	*		*		3,488	0.01	26	0.10	*	
Prescribed immunosuppressant medication by GP	2,884	0.15	*		*		7,237	0.02	20	0.07	*	
Prescribed leukotriene or LABA	38,658	1.98	59	4.95	42	6.89	2,362,855	6.77	4,956	18.37	2,319	17.60
Prescribed regular prednisolone	15,819	0.81	61	5.12	28	4.59	404,467	1.16	2,124	7.87	1,028	7.80
Other comorbidities												
Diabetes	161,227	8.24	359	30.12	178	29.18	3,087,792	8.85	8,700	32.24	3,650	27.70
COPD	66,937	3.42	209	17.53	100	16.39	1,053,783	3.02	3,814	14.13	1,809	13.73
Asthma	290,490	14.85	186	15.60	109	17.87	4,382,954	12.56	3,344	12.39	1,504	11.41
Rare pulmonary diseases	9,471	0.48	26	2.18	12	1.97	373,807	1.07	1,707	6.33	734	5.57
Pulmonary hypertension or pulmonary fibrosis	3,741	0.19	17	1.43	14	2.30	127,760	0.37	1,158	4.29	502	3.81
Coronary heart disease	89,686	4.58	239	20.05	137	22.46	1,549,243	4.44	5,946	22.03	2,861	21.71

(Continued)

Supplementary table 1: Continued

	Welsh validation study						English validation study					
	Overall cohort		COVID-19 death in first period		COVID-19 death in second period		Overall cohort		COVID-19 death in first period		COVID-19 death in second period	
	N	%	N	%	N	%	N	%	N	%	N	%
Stroke	55,336	2.83	233	19.55	121	19.84	902,277	2.59	5,086	18.85	2,685	20.38
Atrial fibrillation	62,712	3.20	253	21.22	140	22.95	1,096,209	3.14	5,237	19.41	2,894	21.96
Congestive cardiac failure	30,937	1.58	151	12.67	99	16.23	545,617	1.56	3,739	13.86	1,830	13.89
Venous thromboembolism	43,708	2.23	111	9.31	54	8.85	8,878	0.03	35	0.13	*	
Peripheral vascular disease	18,639	0.95	77	6.46	36	5.90	303,118	0.87	1,588	5.88	771	5.85
Congenital heart disease	17,071	0.87	30	2.52	12	1.97	359	<0.01	*		0	
Dementia	18,840	0.96	304	25.50	160	26.23	414,540	1.19	8,293	30.73	4,699	35.66
Parkinson's disease	5,717	0.29	40	3.36	32	5.25	113,647	0.33	1,021	3.78	573	4.35
Epilepsy	26,112	1.33	31	2.60	19	3.11	405,047	1.16	797	2.95	387	2.94
Rare neurological conditions	5,789	0.30	*		*		27,583	0.08	149	0.55	48	0.36
Cerebral palsy	1,318	0.07	0	0.00	0	0.00	4,350	0.01	31	0.11	*	
Severe mental illness	282,709	14.45	209	17.53	109	17.87	6,574,526	18.84	5,341	19.79	2,541	19.28
Osteoporotic fracture	73,679	3.77	154	12.92	96	15.74	29,153	0.08	194	0.72	92	0.70
Rheumatoid arthritis or SLE	22,485	1.15	35	2.94	16	2.62	315,431	0.90	696	2.58	369	2.80
Cirrhosis of the liver	7,210	0.37	17	1.43	*		8,753	0.23	241	0.89	114	0.87
Sickle cell disease	1,094	0.06	0	0.00	0	0.00						

*represents values which have been suppressed due to small numbers <10. ^ represents collapsing of categories to suppress small numbers.



Supplementary table 2: Performance of the risk models to predict risk of COVID-19 death in Wales by sex, age group, ethnicity, deprivation and time period using Harrell's C statistic

	First period (24 th Jan 2020–30 th Apr 2020)		Second period (1 st May 2020–28 th Jul 2020)	
	COVID-19 death in females	COVID-19 deaths in males	COVID-19 death in females	COVID-19 deaths in males
Age band				
19–39	0.838 (0.642 to 1.034)	0.688 (0.385 to 0.992)	*	*
40–44	0.764 (0.507 to 1.022)	0.964 (0.928 to 1.001)	*	0.941 (0.884 to 0.998)
45–49	0.796 (0.561 to 1.031)	0.924 (0.853 to 0.995)	0.905 (0.782 to 1.028)	0.879 (0.689 to 1.068)
50–54	0.765 (0.616 to 0.915)	0.853 (0.748 to 0.959)	0.964 (0.948 to 0.981)	0.674 (0.565 to 0.783)
55–59	0.797 (0.701 to 0.892)	0.704 (0.591 to 0.817)	0.860 (0.755 to 0.965)	0.654 (0.513 to 0.794)
60–64	0.849 (0.766 to 0.932)	0.832 (0.760 to 0.903)	0.716 (0.417 to 1.015)	0.820 (0.711 to 0.929)
65–69	0.848 (0.800 to 0.896)	0.795 (0.735 to 0.856)	0.903 (0.805 to 1.000)	0.802 (0.716 to 0.888)
70–74	0.777 (0.702 to 0.852)	0.755 (0.702 to 0.808)	0.781 (0.705 to 0.856)	0.837 (0.779 to 0.895)
75–79	0.855 (0.812 to 0.898)	0.791 (0.749 to 0.833)	0.845 (0.767 to 0.924)	0.805 (0.733 to 0.877)
80–84	0.746 (0.686 to 0.805)	0.715 (0.664 to 0.766)	0.777 (0.712 to 0.842)	0.793 (0.734 to 0.853)
85–89	0.773 (0.731 to 0.815)	0.746 (0.697 to 0.795)	0.749 (0.697 to 0.800)	0.716 (0.645 to 0.787)
90+	0.686 (0.641 to 0.732)	0.688 (0.633 to 0.744)	0.735 (0.684 to 0.786)	0.728 (0.655 to 0.800)
Ethnicity				
Bangladeshi	*	0.996 (0.994 to 0.998)	*	0.785 (0.772 to 0.798)
Black African	0.686 (0.671 to 0.701)	0.978 (0.950 to 1.007)	*	0.999 (0.997 to 1.001)
Indian	*	0.920 (0.809 to 1.031)	*	0.989 (0.986 to 0.992)
Mixed	0.977 (0.961 to 0.993)	0.974 (0.953 to 0.995)	0.989 (0.979 to 1.000)	0.992 (0.991 to 0.994)
Not recorded	0.951 (0.923 to 0.979)	0.984 (0.977 to 0.991)	0.953 (0.900 to 1.006)	0.974 (0.958 to 0.990)
Other	0.902 (0.749 to 1.055)	0.721 (0.469 to 0.973)	0.890 (0.884 to 0.895)	0.970 (0.932 to 1.009)
Pakistani	0.913 (0.842 to 0.983)	0.846 (0.754 to 0.939)	*	*
White	0.929 (0.919 to 0.940)	0.925 (0.916 to 0.933)	0.949 (0.941 to 0.958)	0.929 (0.916 to 0.942)
Townsend quintile				
1	0.933 (0.901 to 0.965)	0.930 (0.911 to 0.949)	0.967 (0.950 to 0.984)	0.940 (0.914 to 0.966)
2	0.951 (0.931 to 0.972)	0.931 (0.913 to 0.949)	0.957 (0.943 to 0.970)	0.947 (0.922 to 0.971)
3	0.928 (0.913 to 0.942)	0.926 (0.911 to 0.941)	0.940 (0.921 to 0.958)	0.942 (0.922 to 0.962)
4	0.921 (0.898 to 0.943)	0.928 (0.912 to 0.945)	0.948 (0.931 to 0.965)	0.910 (0.883 to 0.938)
5	0.922 (0.893 to 0.951)	0.930 (0.903 to 0.958)	0.951 (0.921 to 0.982)	0.937 (0.899 to 0.974)

*unable to calculate metrics.



Supplementary table 3: Performance of the risk models to predict risk of COVID-19 death in Wales by sex, age group, ethnicity, deprivation and time period using D statistic

	First period (24 th Jan 2020–30 th Apr 2020)		Second period (1 st May 2020–28 th Jul 2020)	
	COVID-19 death in females	COVID-19 deaths in males	COVID-19 death in females	COVID-19 deaths in males
Age band				
19–39	2.015 (0.208 to 3.823)	1.855 (0.290 to 3.421)	4.662 (1.318 to 8.006)	*
40–44	1.493 (–0.314 to 3.300)	3.193 (1.601 to 4.786)	2.701 (–0.453 to 5.856)	2.710 (0.480 to 4.940)
45–49	1.773 (–0.035 to 3.581)	2.668 (1.375 to 3.962)	2.705 (0.475 to 4.934)	3.418 (1.567 to 5.269)
50–54	1.716 (0.724 to 2.708)	2.281 (1.409 to 3.154)	3.067 (1.647 to 4.486)	0.761 (–0.638 to 2.160)
55–59	1.797 (1.013 to 2.582)	1.382 (0.681 to 2.083)	2.190 (0.786 to 3.593)	0.932 (0.064 to 1.799)
60–64	2.317 (1.562 to 3.071)	2.181 (1.619 to 2.743)	1.331 (–0.235 to 2.897)	2.094 (1.187 to 3.002)
65–69	2.156 (1.581 to 2.731)	1.977 (1.539 to 2.415)	2.959 (2.004 to 3.914)	1.779 (1.110 to 2.447)
70–74	1.821 (1.375 to 2.267)	1.548 (1.183 to 1.914)	1.603 (1.058 to 2.149)	2.104 (1.549 to 2.659)
75–79	2.318 (1.922 to 2.714)	1.796 (1.499 to 2.094)	2.269 (1.695 to 2.842)	2.098 (1.607 to 2.589)
80–84	1.510 (1.130 to 1.890)	1.255 (0.976 to 1.534)	1.718 (1.274 to 2.162)	1.840 (1.447 to 2.233)
85–89	1.524 (1.223 to 1.825)	1.566 (1.276 to 1.856)	1.470 (1.111 to 1.830)	1.555 (1.147 to 1.964)
90+	1.081 (0.816 to 1.347)	1.122 (0.805 to 1.438)	1.358 (1.032 to 1.684)	1.435 (0.963 to 1.907)
Ethnicity				
Bangladeshi	*	4.819 (0.734 to 8.904)	*	1.262 (–1.878 to 4.402)
Black African	0.779 (–2.369 to 3.927)	4.103 (1.515 to 6.692)	*	7.105 (2.571 to 11.639)
Indian	*	4.018 (1.460 to 6.577)	*	3.840 (0.307 to 7.373)
Mixed	3.414 (1.768 to 5.059)	4.042 (2.033 to 6.050)	4.704 (2.840 to 6.569)	4.025 (0.556 to 7.493)
Not recorded	3.326 (2.688 to 3.964)	4.104 (3.423 to 4.785)	3.400 (2.470 to 4.330)	3.449 (2.234 to 4.664)
Other	3.908 (1.938 to 5.877)	1.120 (–1.103 to 3.344)	1.961 (–1.187 to 5.108)	3.620 (1.255 to 5.985)
Pakistani	2.614 (0.993 to 4.235)	1.661 (0.125 to 3.197)	*	*
White	3.049 (2.903 to 3.194)	2.985 (2.858 to 3.112)	3.263 (3.078 to 3.447)	3.160 (2.973 to 3.347)
Townsend quintile				
1	3.116 (2.696 to 3.536)	2.929 (2.605 to 3.252)	3.563 (3.086 to 4.040)	3.221 (2.782 to 3.660)
2	3.485 (3.141 to 3.828)	3.222 (2.933 to 3.512)	3.446 (3.065 to 3.826)	3.370 (2.955 to 3.785)
3	2.936 (2.695 to 3.177)	2.914 (2.681 to 3.146)	3.062 (2.735 to 3.390)	3.342 (2.995 to 3.689)
4	3.083 (2.807 to 3.358)	3.064 (2.821 to 3.308)	3.122 (2.734 to 3.511)	2.978 (2.611 to 3.345)
5	2.942 (2.523 to 3.361)	3.173 (2.820 to 3.526)	3.694 (3.156 to 4.231)	3.333 (2.716 to 3.951)

*unable to calculate metrics.



Supplementary table 4: Performance of the risk models to predict risk of COVID-19 death in Wales by sex, age group, ethnicity, deprivation and time period using r^2 (explained variation)

	First period (24 th Jan 2020–30 th Apr 2020)		Second period (1 st May 2020–28 th Jul 2020)	
	R2 COVID-19 death in females	R2 COVID-19 deaths in males	R2 COVID-19 death in females	R2 COVID-19 deaths in males
Age band				
19–39	0.492 (0.010 to 0.777)	0.451 (0.020 to 0.736)	0.838 (0.293 to 0.939)	*
40–44	0.347 (0.023 to 0.722)	0.709 (0.380 to 0.845)	0.635 (0.047 to 0.891)	0.637 (0.052 to 0.854)
45–49	0.429 (0.000 to 0.754)	0.630 (0.311 to 0.789)	0.636 (0.051 to 0.853)	0.736 (0.370 to 0.869)
50–54	0.413 (0.111 to 0.636)	0.554 (0.321 to 0.704)	0.692 (0.393 to 0.828)	0.121 (0.089 to 0.527)
55–59	0.435 (0.197 to 0.614)	0.313 (0.100 to 0.509)	0.534 (0.129 to 0.755)	0.172 (0.001 to 0.436)
60–64	0.562 (0.368 to 0.692)	0.532 (0.385 to 0.642)	0.297 (0.013 to 0.667)	0.512 (0.252 to 0.683)
65–69	0.526 (0.374 to 0.640)	0.483 (0.361 to 0.582)	0.676 (0.489 to 0.785)	0.430 (0.227 to 0.588)
70–74	0.442 (0.311 to 0.551)	0.364 (0.250 to 0.466)	0.380 (0.211 to 0.524)	0.514 (0.364 to 0.628)
75–79	0.562 (0.469 to 0.637)	0.435 (0.349 to 0.511)	0.551 (0.407 to 0.659)	0.512 (0.381 to 0.615)
80–84	0.352 (0.234 to 0.460)	0.273 (0.185 to 0.360)	0.413 (0.279 to 0.527)	0.447 (0.333 to 0.543)
85–89	0.357 (0.263 to 0.443)	0.369 (0.280 to 0.451)	0.340 (0.228 to 0.444)	0.366 (0.239 to 0.479)
90+	0.218 (0.137 to 0.302)	0.231 (0.134 to 0.331)	0.306 (0.203 to 0.404)	0.330 (0.181 to 0.465)
Ethnicity				
Bangladeshi	*	0.847 (0.114 to 0.950)	*	0.276 (0.457 to 0.822)
Black African	0.127 (0.573 to 0.786)	0.801 (0.354 to 0.914)	*	0.923 (0.612 to 0.970)
Indian	*	0.794 (0.337 to 0.912)	*	0.779 (0.022 to 0.928)
Mixed	0.736 (0.427 to 0.859)	0.796 (0.497 to 0.897)	0.841 (0.658 to 0.912)	0.795 (0.069 to 0.931)
Not recorded	0.725 (0.633 to 0.790)	0.801 (0.737 to 0.845)	0.734 (0.593 to 0.817)	0.740 (0.544 to 0.839)
Other	0.785 (0.473 to 0.892)	0.231 (0.225 to 0.727)	0.479 (0.252 to 0.862)	0.758 (0.273 to 0.895)
Pakistani	0.620 (0.191 to 0.811)	0.397 (0.004 to 0.709)	*	*
White	0.689 (0.668 to 0.709)	0.680 (0.661 to 0.698)	0.718 (0.693 to 0.739)	0.705 (0.678 to 0.728)
Townsend quintile				
1	0.699 (0.634 to 0.749)	0.672 (0.618 to 0.716)	0.752 (0.694 to 0.796)	0.712 (0.649 to 0.762)
2	0.744 (0.702 to 0.778)	0.713 (0.672 to 0.746)	0.739 (0.692 to 0.778)	0.731 (0.676 to 0.774)
3	0.673 (0.634 to 0.707)	0.670 (0.632 to 0.703)	0.691 (0.641 to 0.733)	0.727 (0.682 to 0.765)
4	0.694 (0.653 to 0.729)	0.692 (0.655 to 0.723)	0.699 (0.641 to 0.746)	0.679 (0.619 to 0.728)
5	0.674 (0.603 to 0.729)	0.706 (0.655 to 0.748)	0.765 (0.704 to 0.810)	0.726 (0.638 to 0.788)

*unable to calculate metrics.

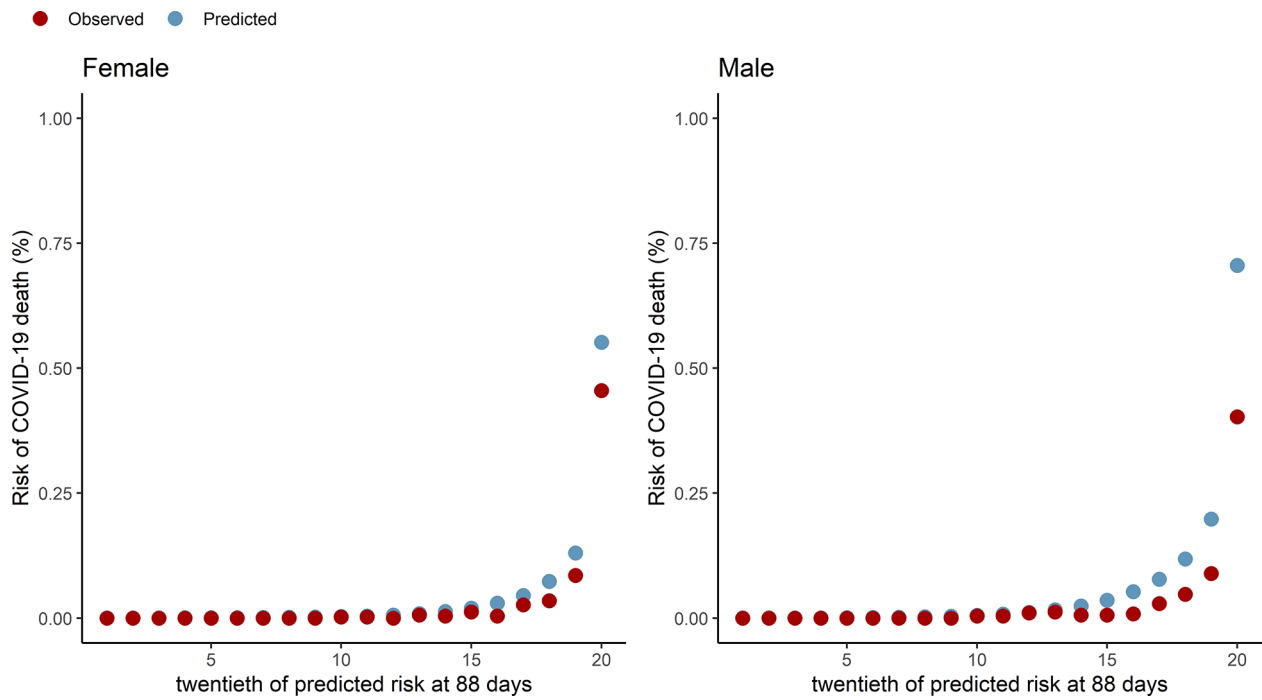


Supplementary table 5: Performance of the risk models to predict risk of COVID-19 death in Wales by sex, age group, ethnicity, deprivation and time period using Brier score

	First period (24 th Jan 2020–30 th Apr 2020)		Second period (1 st May 2020–28 th Jul 2020)	
	COVID-19 death in females	COVID-19 deaths in males	COVID-19 death in females	COVID-19 deaths in males
Age band				
19–39	0.00001	0.00001	0.00000	0.00000
40–44	0.00004	0.00005	0.00001	0.00003
45–49	0.00004	0.00007	0.00003	0.00004
50–54	0.00011	0.00016	0.00006	0.00006
55–59	0.00018	0.00024	0.00006	0.00015
60–64	0.00024	0.00043	0.00005	0.00016
65–69	0.00042	0.00076	0.00015	0.00032
70–74	0.00071	0.00111	0.00046	0.00048
75–79	0.00118	0.00241	0.00056	0.00088
80–84	0.00179	0.00414	0.00131	0.00210
85–89	0.00439	0.00710	0.00317	0.00373
90+	0.00912	0.01333	0.00647	0.00658
Ethnicity				
Bangladeshi	0.00000	0.00029	0.00000	0.00030
Black African	0.00027	0.00045	0.00001	0.00035
Indian	0.00000	0.00031	0.00000	0.00021
Mixed	0.00028	0.00023	0.00026	0.00009
Not recorded	0.00057	0.00031	0.00026	0.00009
Other	0.00021	0.00015	0.00007	0.00015
Pakistani	0.00109	0.00125	0.00000	0.00002
White	0.00053	0.00075	0.00033	0.00034
Townsend quintile				
1	0.00035	0.00059	0.00026	0.00032
2	0.00043	0.00063	0.00033	0.00029
3	0.00062	0.00070	0.00033	0.00031
4	0.00058	0.00075	0.00030	0.00033
5	0.00061	0.00083	0.00037	0.00027



Supplementary Figure 1: Predicted and observed risk of COVID-19-related death in the second time period (1st May–28th July 2020)



Supplementary table 6: Sensitivity for COVID-19-related death in Wales by sex at different absolute risk thresholds for the first time period

Top centile	Absolute risk centile cut-off (%)	Total deaths in each absolute risk centile	Total number of patients in each centile	Cumulative deaths	Cumulative % deaths based on absolute risk	sex
1	0.7952	212	9679	212	31.45	Males
2	0.5133	68	9679	280	41.54	Males
3	0.3952	60	9679	340	50.45	Males
4	0.3241	36	9679	376	55.79	Males
5	0.2759	30	9679	406	60.24	Males
6	0.2399	30	9679	436	64.69	Males
7	0.2115	22	9679	458	67.95	Males
8	0.1883	22	9679	480	71.22	Males
9	0.1687	19	9679	499	74.04	Males
10	0.1520	11	9679	510	75.67	Males
11	0.1381	20	9679	530	78.64	Males
12	0.1256	18	9679	548	81.31	Males
13	0.1146	12	9679	560	83.09	Males
14	0.1051	10	9679	570	84.57	Males
15	0.0967	*	9679	*	*	Males
16	0.0891	*	9679	*	*	Males
17	0.0821	*	9679	*	*	Males
18	0.0759	*	9679	*	*	Males
19	0.0703	*	9679	*	*	Males
20	0.0651	*	9679	*	*	Males
21	0.0603	*	9679	*	*	Males
22	0.0558	*	9679	*	*	Males
23	0.0517	*	9679	*	*	Males
24	0.0478	*	9679	*	*	Males
25	0.0443	*	9679	*	*	Males
26	0.0409	*	9680	633	93.92	Males
1	0.6338	160	9887	160	30.89	Females
2	0.3704	63	9887	223	43.05	Females
3	0.2757	57	9887	280	54.05	Females
4	0.2222	34	9887	314	60.62	Females
5	0.1866	25	9887	339	65.44	Females
6	0.1604	19	9887	358	69.11	Females
7	0.1396	19	9887	377	72.78	Females
8	0.1228	16	9887	393	75.87	Females
9	0.1089	15	9887	408	78.76	Females
10	0.0971	*	9887	*	*	Females
11	0.0870	*	9887	*	*	Females
12	0.0782	*	9887	*	*	Females
13	0.0706	*	9887	*	*	Females
14	0.0639	*	9887	*	*	Females
15	0.0580	*	9887	*	*	Females
16	0.0528	*	9888	*	*	Females
17	0.0482	*	9888	*	*	Females
18	0.0441	*	9888	*	*	Females
19	0.0404	*	9888	*	*	Females
20	0.0371	*	9888	*	*	Females
21	0.0342	*	9888	*	*	Females
22	0.0315	*	9888	*	*	Females
23	0.0290	*	9888	*	*	Females
24	0.0268	*	9888	*	*	Females
25	0.0248	*	9888	*	*	Females
26	0.0228	*	9888	485	93.63	Females

*represents values which have been suppressed to mask small numbers.