

Post-Covid-Events Results Summary Report

Contents

Summary	1
Table 1	2
Number of patients analysed in OpenSAFELY, and the numbers of people who were exposed to COVID-19 and those who were and were not hospitalised within 28 days of diagnosis of COVID-19.	2
Table 2	5
Numbers of events in OpenSAFELY before and after diagnosis of COVID-19.	5
Venn Diagrams	6
Figure 1	7
Age/sex/region adjusted and maximally adjusted hazard ratios (log scale) for different events by time since diagnosis of COVID-19.	7
Figure 2	8
Hazard ratios (log scale) for event after COVID-19 stratified by subgroups (N.B. subgroups included will depend on outcome and number of events).	8
Diabetes flow chart	9
Flow chart showing the assignment of diabetes cases using the diabetes algorithm.	9

Summary

This is a brief report generated using markdown to provide a summary of results from post-covid-events analyses performed in OpenSAFELY.

Table 1

Number of patients analysed in OpenSAFELY, and the numbers of people who were exposed to COVID-19 and those who were and were not hospitalised within 28 days of diagnosis of COVID-19.

Covariate	Covariate_level	Whole_population	COVID_exposed	COVID_hospitalised	COVID_non_hospitalised
All	All	16575039	3290372	83180	3207192
sex	Female	8373798	1801578	39131	1762447
sex	Male	8201241	1488794	44049	1444745
ethnicity	White	12880563	2617309	69474	2547835
ethnicity	Mixed	194478	42984	986	41998
ethnicity	South Asian	984707	215887	6995	208892
ethnicity	Black	348423	70377	2628	67749
ethnicity	Other	380564	54434	1817	52617
ethnicity	Missing	1786304	289381	1280	288101
deprivation	1-2 (most deprived)	3150083	678445	21619	656826
deprivation	3-4	3277474	669624	17893	651731
deprivation	5-6	3586995	687312	16739	670573
deprivation	7-8	3408176	651846	14653	637193
deprivation	9-10 (least deprived)	3152311	603145	12276	590869
region	London	1132182	197740	5097	192643
region	East	3871809	739104	18196	720908
region	East_Midlands	2865361	598350	16062	582288
region	North_East	798723	188885	5587	183298
region	North_West	1453203	343358	9034	334324
region	South_East	1138818	196558	5235	191323
region	South_West	2328449	377277	6641	370636
region	West_Midlands	662387	144787	4617	140170
region	Yorkshire_and_The_Humber	2324107	504313	12711	491602
smoking status	Never smoker	7732789	1610292	33867	1576425
smoking status	Ever smoker	5200004	1032738	40210	992528
smoking status	Current smoker	2891935	505229	8070	497159
smoking status	Missing	750311	142113	1033	141080
bmi groups	Healthy_weight	5320172	1008355	19276	989079
bmi groups	Underweight	362272	64495	1873	62622
bmi groups	Overweight	4791549	919436	26026	893410
bmi groups	Obese	3380435	726450	30293	696157

Covariate	Covariate_level	Whole_population	COVID_exposed	COVID_hospitalised	COVID_non_hospitalised
bmi groups	Missing	2720611	571636	5712	565924
age group	18-29	3135558	850688	4727	845961
age group	30-39	3055989	754221	7792	746429
age group	40-49	2828588	680391	10205	670186
age group	50-59	2889820	531284	13708	517576
age group	60-69	2117573	244517	12437	232080
age group	70-79	1629079	129391	14943	114448
age group	80-89	747663	73617	14581	59036
age group	90+	170769	26263	4787	21476
consulation rate group	0	4755033	773259	11230	762029
consulation rate group	1-5	6430408	1384922	26027	1358895
consulation rate group	6+	5389598	1132191	45923	1086268
consulation rate	Mean	5.296	5.628	10.02	5.514
tc hdl ratio	Mean	11	13	3.54	14
History of ami	TRUE	303535	40808	6036	34772
History of all stroke	TRUE	224940	31745	4818	26927
History of other arterial embolism	TRUE	82334	11787	1486	10301
History of vte	TRUE	253731	41378	4071	37307
History of hf	TRUE	251880	36362	7137	29225
History of angina	TRUE	461897	60174	8670	51504
History of dementia	TRUE	167049	38670	6204	32466
History of liver disease	TRUE	99928	15250	1167	14083
History of chronic kidney disease	TRUE	795699	108107	16752	91355
History of cancer	TRUE	4914559	1136926	25070	1111856

Covariate	Covariate_level	Whole_population	COVID_exposed	COVID_hospitalised	COVID_non_hospitalised
History of hypertension	TRUE	2789705	381487	34270	347217
History of depression	TRUE	4555520	967161	30161	937000
History of chronic obstructive pulmonary disease	TRUE	459094	61424	11052	50372
History of healthcare worker	TRUE	504488	167058	2219	164839
History of carehome status	TRUE	70124	22504	2658	19846
History of prediabetes	TRUE	804114	112275	9706	102569
History of diabetes gestational	TRUE	87970	27250	437	26813

Table 2

Numbers of events in OpenSAFELY before and after diagnosis of COVID-19.

Table 2: Table continues below

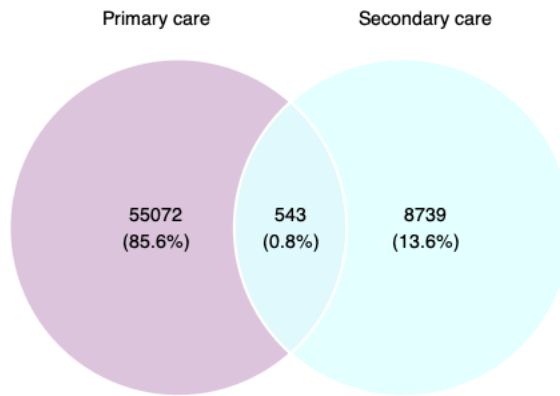
subgroup	event	stratify by subgroup	strata	unexposed person days	unexposed event count
covid pheno hospitalised	out date t1dm	covid pheno hospitalised	hospitalised	16924997	3661
covid pheno non hospitalised	out date t1dm	covid pheno non hospitalised	non hospitalised	9848343	3661
covid pheno hospitalised	out date t2dm	covid pheno hospitalised	hospitalised	19277628	34147
covid pheno non hospitalised	out date t2dm	covid pheno non hospitalised	non hospitalised	12215078	34147
covid pheno hospitalised	out date otherdm	covid pheno hospitalised	hospitalised	16830887	3683
covid pheno non hospitalised	out date otherdm	covid pheno non hospitalised	non hospitalised	9752962	3683

5

post exposure event count	total person days
9	16997587
17	9947758
186	19351162
147	12316148
[Redacted]	16903268
15	9852394

Venn Diagrams

type 2 diabetes



type 1 diabetes

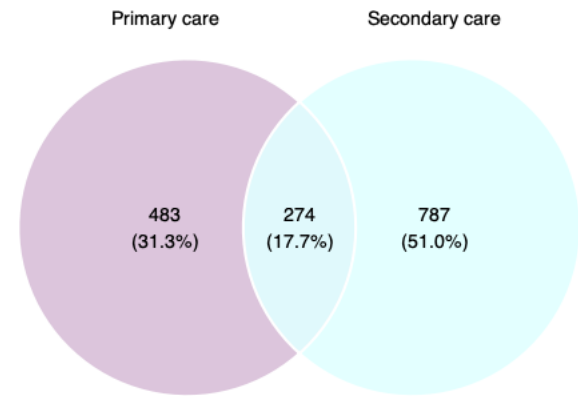


Figure 1

Age/sex/region adjusted and maximally adjusted hazard ratios (log scale) for different events by time since diagnosis of COVID-19.

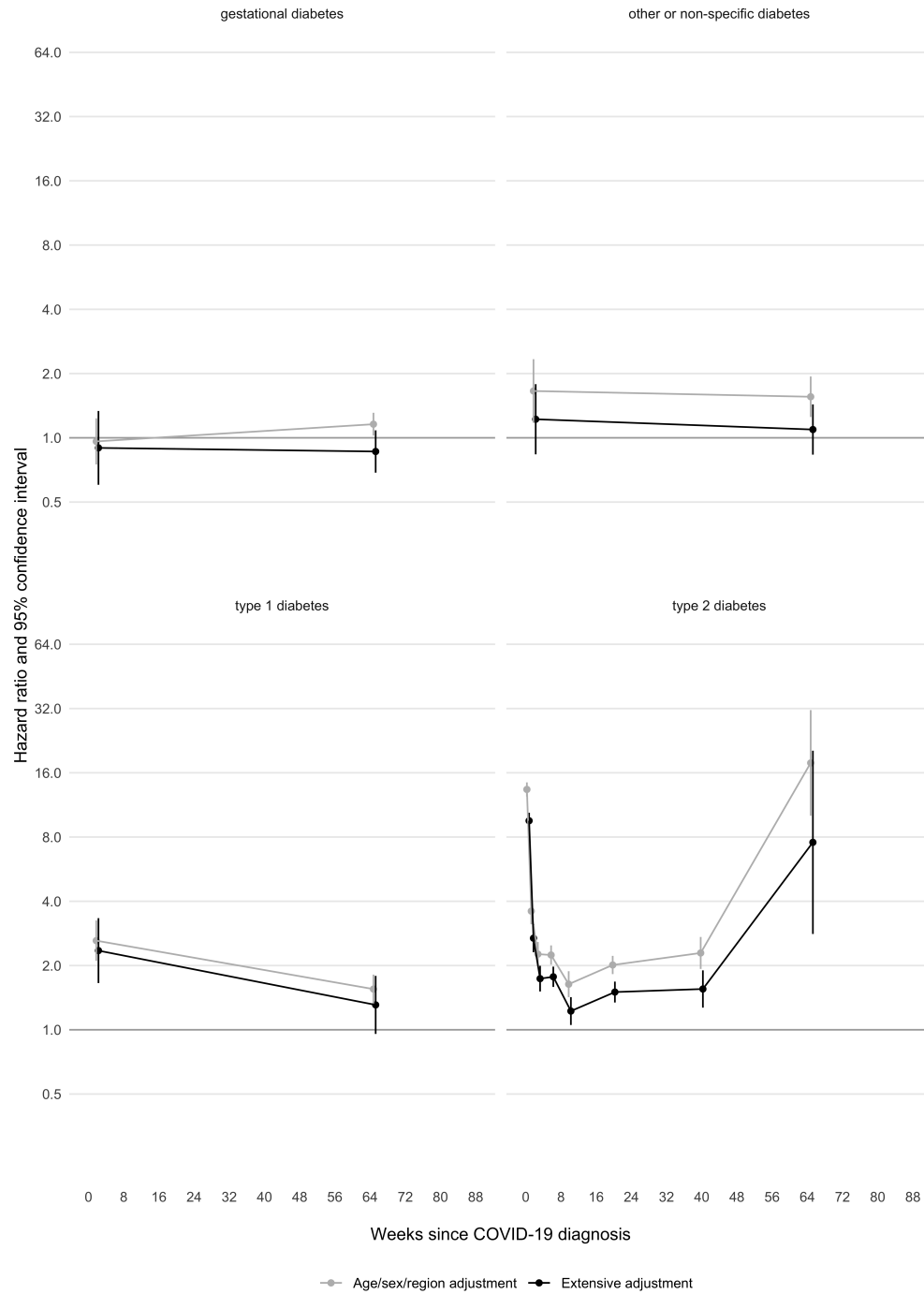
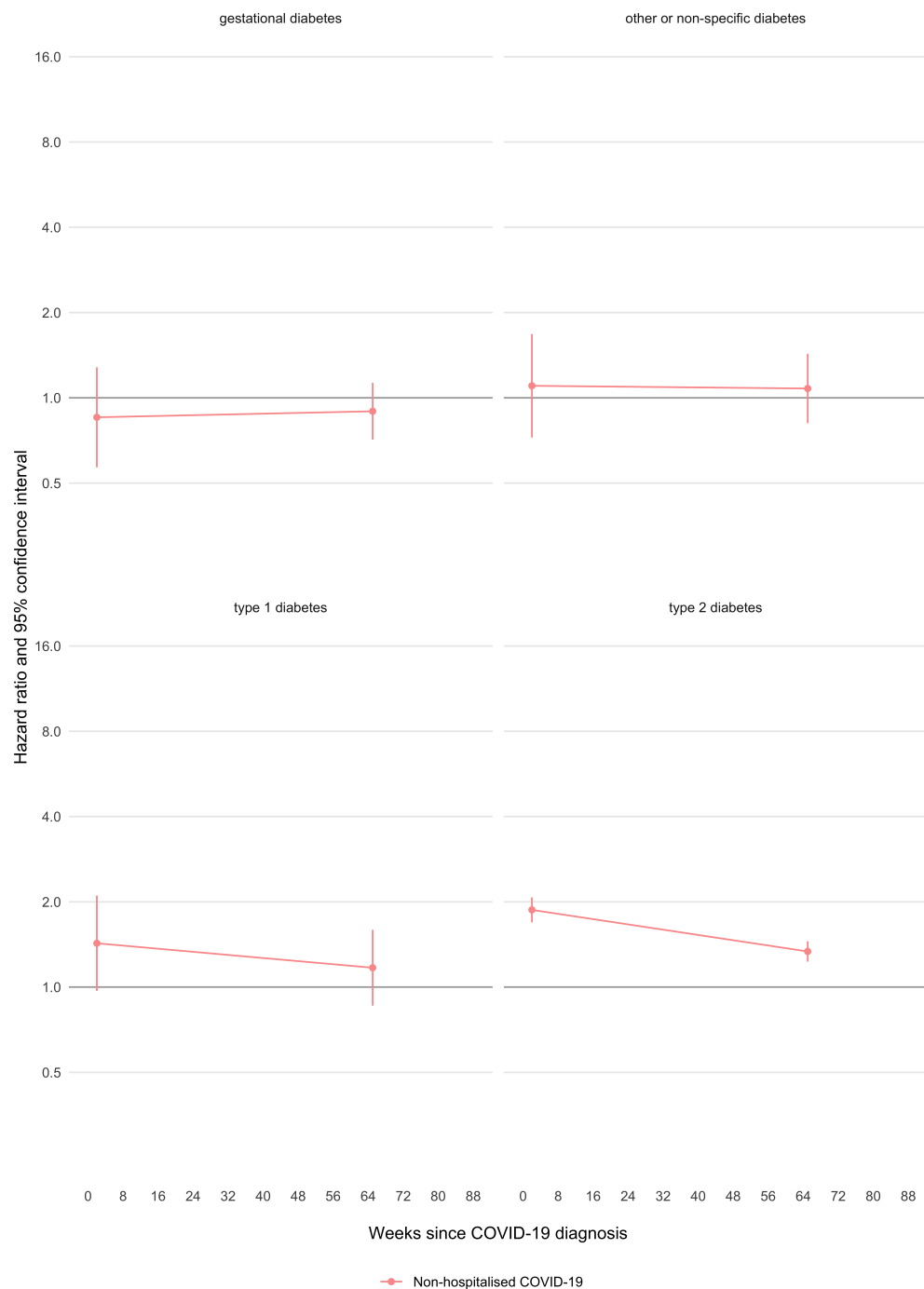


Figure 2

Hazard ratios (log scale) for event after COVID-19 stratified by subgroups (N.B. subgroups included will depend on outcome and number of events).



Diabetes flow chart

Flow chart showing the assignment of diabetes cases using the diabetes algorithm.

