# Supplementary Material

### Supplementary Table 1. Operationalization of morbidities

Chronic condition	Operationalization						
Cardiovascular disease	Any of the following before the observation period:						
	<ul> <li>ICPC-2 = K74   K75   K76   K89   K90   K91   K92</li> <li>ATC code B01AC04   B01AC22   B01AC25   B01AC24</li> </ul>						
Diabetes	Any of the following before the observation period:						
	<ul> <li>ICPC-2 = T89   T90</li> <li>Glycated hemoglobin &gt; 6.5%</li> <li>ATC code ^A10</li> </ul>						
Hypertension	Any of the following before the observation period:						
	<ul> <li>ICPC-2 = K85   K86   K87</li> <li>two blood pressure measurements &gt; 140/90 mmHg</li> <li>ATC code ^C02   ^C03A   ^C03EA01   ^C07   ^C08   ^C09A   ^C09B</li> </ul>						

ICPC-2, international classification of primary care 2<sup>nd</sup> version; |, logical "OR"; ^, starting with ....; ATC, anatomical technical chemical

#### Supplementary Table 2. Regression results for weekly consultation counts/100 patients

#### a) Total general practice population and patients with selected chronic conditions

Variable	Total general practice population		Patients with Hypertension		Patients with Diabetes			Patients with CVD				
	Est (%)	95% CI	<i>p</i> -value	Est (%)	95% CI	<i>p</i> -value	Est (%)	95% CI	<i>p</i> -value	Est (%)	95% CI	<i>p</i> -value
18.3 Intercept (100)	18.3		0.001	25	24.1 to 25.9	<0.001	27.1	26 to 28.2	< 0.001	30.6	29.5 to 31.6	<0.001
	(100)	17.7 to 18.9	< 0.001	(100)			(100)			(100)		
-3.1 Shutdown (-17.2)	-3.1	-4 to -2.3	< 0.001	-4.1	-5.3 to -3	<0.001	-4.7	-6.1 to -3.4	<0.001	-5.4	-6.8 to -4	< 0.001
	(-17.2)	-4 10 -2.3	<0.001	(-16.5)	-3.3 10 -3		(-17.5)			(-17.6)		<0.001
Holidays	-3.2	-4 to -2.5	< 0.001	-4	-5 to -3	<0.001	-4.1	-5.4 to -2.9	<0.001	-4.1	-5.4 to -2.9	<0.001
	(-17.6)	4 to 2.3	<b>\0.001</b>	(-16)			(-15.2)			(-13.5)		
Week (Season)	-0.1	-0.1 to 0	0.001	-0.1	-0.1 to 0	0.005	-0.1	-0.2 to 0	0.006	-0.1	-0.2 to -0.1	<0.001
	(-0.4)	0.1 10 0	0.001	(-0.3)	0.1 to 0	0.002	(-0.3)	0.2 to 0		(-0.4)		
Year (2019 compared	-0.3	-0.9 to 0.2	0.262	-0.3	-1.1 to 0.5	0.423	-0.4	-1.3 to 0.6	0.410	-1.1	-2.1 to -0.1	0.025
to 2020)	(-1.7)			(-1.2)	1.1 10 0.5		(-1.4)			(-3.6)	2.7 10 0.1	,

CVD; cardiovascular disease; Est (%), estimates (percentages with respect to the intercept); CI, confidence interval

#### **Supplementary Table 2.** Regression results for weekly consultation counts/100 patients

## b) Patients in different age groups

Variable	< 60 yearold patients			60-80 year old patients			>80 year old patients		
	Est (%)	95% CI	<i>p</i> -value	Est (%)	95% CI	<i>p</i> -value	Est (%)	95% CI	<i>p</i> -value
Intoncent	15.1	14.5 to 15.7	<0.001	20.6	19.9 to 21.3	<0.001	30.2	29.1 to 31.3	<0.001
Intercept	(100)	14.3 to 13.7		(100)			(100)		
Shutdown	-2.4	-3.2 to -1.6	<0.001	-4.2	-5.1 to -3.3	<0.001	-4.4	-5.8 to -3	<0.001
	(-15.7)	-3.2 to -1.0		(-20.4)			(-14.5)		
Holidays	-2.8	-3.6 to -2.1	<0.001	-3.6	-4.4 to -2.8	<0.001	-4.3	-5.5 to -3	<0.001
	(-18.9)	-5.0 to -2.1		(-17.5)			(-14.1)		
Week (Season)	-0.1	-0.1 to 0	<0.001	0	-0.1 to 0	0.096	-0.1	-0.2 to -0.1	<0.001
	(-0.5)	0.1.00		(-0.2)			(-0.4)		
Year (2019 compared to	-0.3	-0.9 to 0.2	0.254	-0.3	-0.9 to 0.3	0.345	-0.3	-1.3 to 0.7	0.532
2020)	(-2.1)	0.5 to 0.2	<b>3.2</b> 2 .	(-1.4)			(-1)		

Est (%), estimates (percentages with respect to the intercept); CI, confidence interval

## Supplementary Table 3. Regression results for weekly blood pressure measurement counts/100 patients

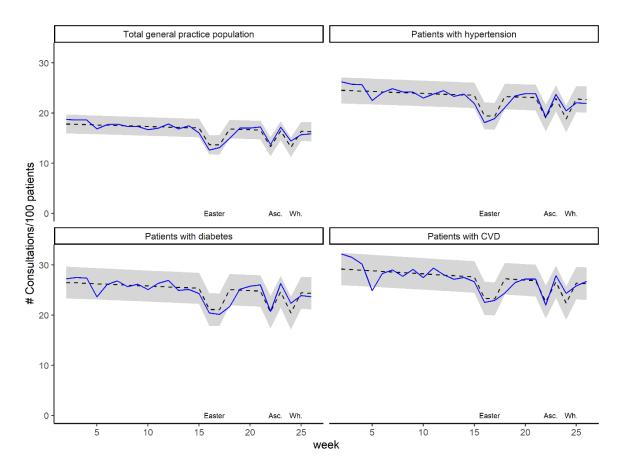
Variable		All patients			Patients with hypertension	
	Est (%)	95% CI	<i>p</i> -value	Est (%)	95% CI	<i>p</i> -value
Intercent	2.28	2.14 to 2.43	< 0.001	4.31	4.03 to 4.6	<0.001
Intercept	(100)	2.14 to 2.43	<0.001	(100)		
Shutdown	-0.81	-0.99 to -0.62	< 0.001	-1.51	-1.87 to -1.15	<0.001
Shales	(-35.3)	0.59 to 0.02	(0.001	(-35.0)		
Holidays	-0.38	-0.55 to -0.21	<0.001	-0.64	-0.97 to -0.32	<0.001
	(-16.7)			(-14.9)		
Week (Season)	-0.01	-0.02 to 0	0.036	-0.01	-0.03 to 0	0.113
	(-0.4)			(-0.3)		
Year (2019 compared to 2020)	0	-0.13 to 0.13	0.973	-0.04	-0.29 to 0.2	0.723
•	(-0.1)			(-1)		

Est (%), estimates (percentages with respect to the intercept); CI, confidence interval

#### Supplementary Table 4. Regression results for weekly glycated haemoglobin measurement counts/100 patients

		All patients			Patients with diabetes	
	Est (%)	95% CI	<i>p</i> -value	Est (%)	95% CI	<i>p</i> -value
Intercept	0.9 (100)	0.83 to 0.96	<0.001	4.17 (100)	3.81 to 4.54	<0.001
«Lockdown»	-0.3 (-33.2)	-0.38 to -0.21	<0.001	-1.24 (-29.8)	-1.71 to -0.78	<0.001
Holidays	-0.18 (-19.7)	-0.25 to -0.1	<0.001	-0.71 (-17)	-1.13 to -0.29	0.002
Week (Season)	0 (-0.5)	-0.01 to 0	0.025	-0.03 (-0.7)	-0.05 to -0.01	0.007
Year (2019 compared to 2020)	0.08 (8.6)	0.02 to 0.14	0.012	0.69 (16.6)	0.37 to 1.01	<0.001

Est (%), estimates (percentages with respect to the intercept); CI, confidence interval



**Supplementary Figure 1.** Weekly consultation counts per 100 patients in 2019, for the total general practice population and the at-risk patient groups. Black dashed lines represent predicted values with 95% prediction interval (grey area), blue lines represent observed values. Temporary decrease in predicted consultation counts are attributable to public holidays: Easter, Ascension Day (Asc.), and Whitsun (Wh.)