

*Supplementary Materials*

# Common Infections and Antibiotic Prescribing during the First Year of the COVID-19 Pandemic: A Primary Care-Based Observational Cohort Study

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**Table S1.** Age and sex distribution Julius General Practitioners' Network cohort pre-pandemic and in the first pandemic year.

Age Groups	Male	Female	Other	Total
	n = (%)	n = (%)	n = (%)	n = (%)
0–12	34,324 (51.0)	32,938 (49.0)	1 (0.0)	67,263 (100)
	34,288 (51.1)	32,870 (48.9)	1 (0.0)	67,159 (100)
13–40	84,519 (47.5)	93,307 (52.5)	3 (0.0)	177,829 (100)
	86,412 (47.6)	95,164 (52.4)	3 (0.0)	181,579 (100)
41–65	63,782 (50.3)	63,137 (49.7)	0 (0.0)	126,919 (100)
	64,598 (50.2)	64,040 (49.7)	0 (0.0)	128,638 (100)
>65	23,895 (45.0)	29,218 (55.0)	1 (0.0)	53,114 (100)
	24,737 (45.2)	30,002 (54.8)	1 (0.0)	54,740 (100)
Unknown Age	Pre-pandemic 4 (100)	0 (0.0)	0 (0.0)	4 (100)
	Pandemic 6 (100)	0 (0.0)	0 (0.0)	6 (100)
Total	Pre-pandemic 206,524 (48.6)	218,600 (51.4)	5 (0.0)	425,129 (100)
	Pandemic 210,041 (48.6)	222,076 (51.4)	5 (0.0)	432,122 (100)

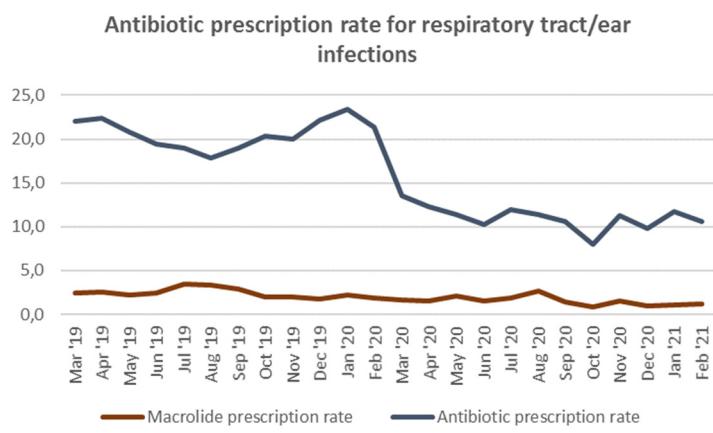
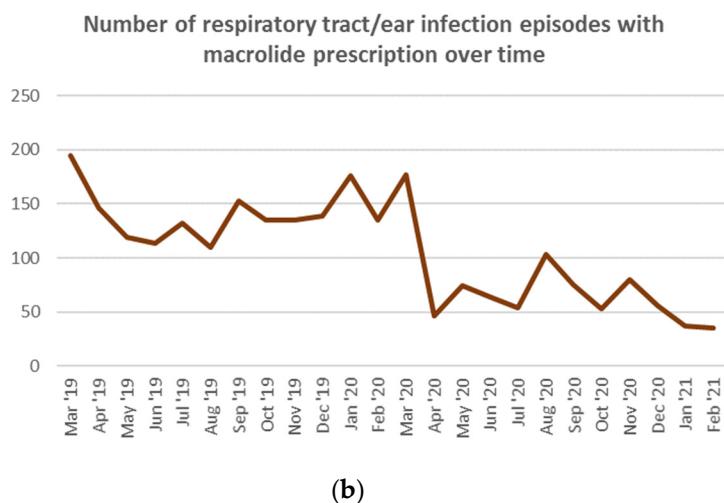
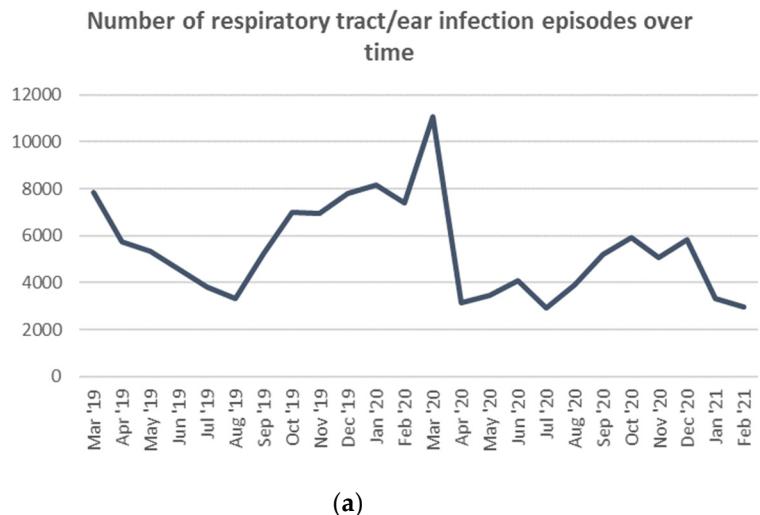
**Table S2.** Age distribution for respiratory/ear, urinary tract, gastrointestinal and skin infection episodes, pre-pandemic and in the first pandemic year.

		Median Age (IQR)	Age Groups				Total (%)
			0–12 <i>n</i> = (%)	13–40 <i>n</i> = (%)	41–65 <i>n</i> = (%)	>65 <i>n</i> = (%)	
<b>Respiratory tract/ear</b>	<b>Pre-pandemic</b>	34 (8–56)	20,588 (28.2)	22,209 (30.4)	18,714 (25.6)	11,578 (15.8)	73,089 (100)
	<b>Pandemic</b>	39 (21–57)	10,265 (18.0)	19,695 (34.6)	18,292 (32.2)	8623 (15.2)	56,875 (100)
<b>Urinary tract</b>	<b>Pre-pandemic</b>	50 (29–70)	1608 (6.3)	8837 (34.4)	7252 (28.2)	8006 (31.1)	25,703 (100)
	<b>Pandemic</b>	51 (30–72)	1430 (6.3)	7559 (33.3)	6286 (27.7)	7415 (32.7)	22,690 (100)
<b>Gastrointestinal</b>	<b>Pre-pandemic</b>	31 (8–60)	2910 (29.1)	3069 (30.7)	2018 (20.2)	1993 (19.9)	9990 (100)
	<b>Pandemic</b>	39 (16–66)	1380 (23.5)	1654 (28.2)	1366 (23.3)	1470 (25.0)	5870 (100)
<b>Skin</b>	<b>Pre-pandemic</b>	32 (11–55)	3678 (26.4)	4694 (33.7)	3256 (23.4)	2315 (16.6)	13,943 (100)
	<b>Pandemic</b>	35 (16–59)	2381 (22.5)	3523 (33.3)	2628 (24.8)	2048 (19.4)	10,580 (100)
<b>Total</b>	<b>Pre-pandemic</b>	36 (15–60)	28,784 (23.5)	38,809 (31.6)	31,240 (25.5)	23,892 (19.5)	122,725 (100)
	<b>Pandemic</b>	41 (23–61)	15,456 (16.1)	32,431 (33.8)	28,572 (29.8)	19,556 (20.4)	96,015 (100)

Abbreviations: IQR = interquartile range.

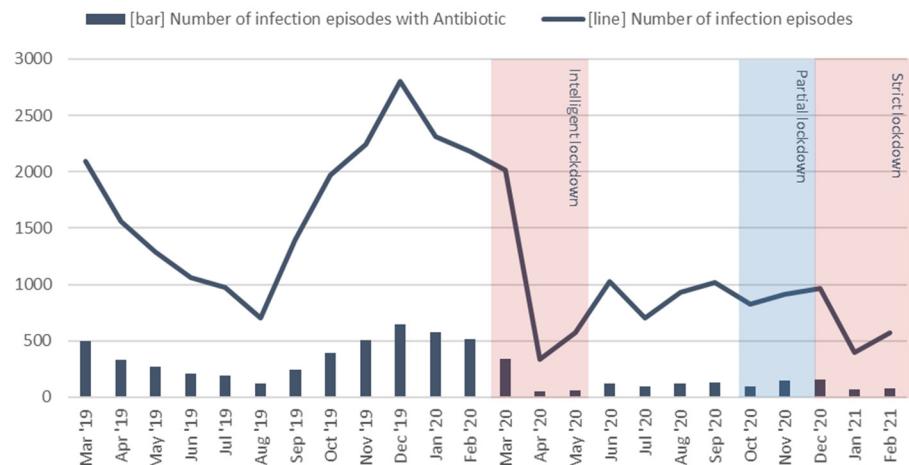
**Table S3.** Sex distribution for respiratory/ear, urinary tract, gastrointestinal and skin infection episodes, pre-pandemic and in the first pandemic year.

			Male	Female	Other	Total (%)
			<i>n</i> = (%)	<i>n</i> = (%)	<i>n</i> = (%)	
<b>Respiratory tract/ear</b>	<b>Pre-pandemic</b>	30,924 (42.3)	42,165 (57.7)	0 (0.0)	0 (0.0)	73,089 (100)
	<b>Pandemic</b>	24,427 (42.9)	32,447 (57.0)	1 (0.0)	0 (0.0)	56,875 (100)
<b>Urinary tract</b>	<b>Pre-pandemic</b>	5178 (20.1)	20,525 (79.9)	0 (0.0)	0 (0.0)	25,703 (100)
	<b>Pandemic</b>	4537 (20.0)	18,153 (80.0)	0 (0.0)	0 (0.0)	22,690 (100)
<b>Gastrointestinal</b>	<b>Pre-pandemic</b>	4187 (41.9)	5803 (58.1)	0 (0.0)	0 (0.0)	9990 (100)
	<b>Pandemic</b>	2414 (41.1)	3456 (58.9)	0 (0.0)	0 (0.0)	5870 (100)
<b>Skin</b>	<b>Pre-pandemic</b>	6777 (48.6)	7165 (51.4)	1 (0.0)	0 (0.0)	13,943 (100)
	<b>Pandemic</b>	5062 (47.8)	5518 (52.2)	0 (0.0)	0 (0.0)	10,580 (100)
<b>Total</b>	<b>Pre-pandemic</b>	47,066 (38.4)	75,658 (61.6)	1 (0.0)	0 (0.0)	122,725 (100)
	<b>Pandemic</b>	36,440 (38.0)	59,574 (62.0)	1 (0.0)	0 (0.0)	96,015 (100)



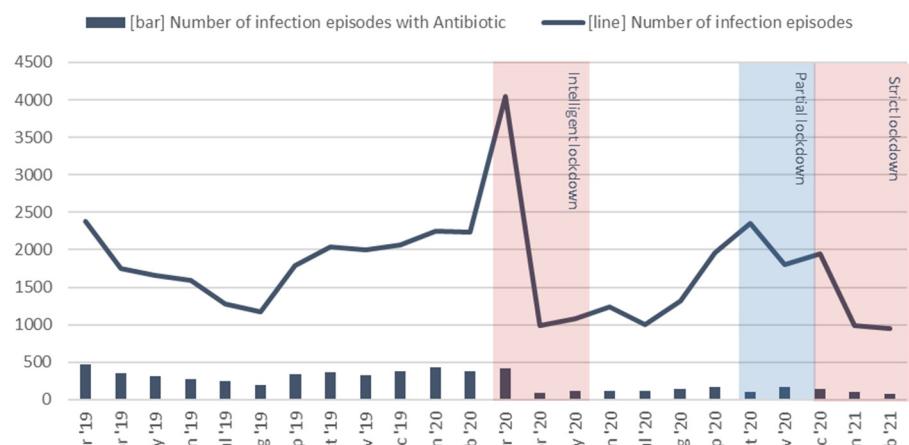
**Figure S1.** Macrolide prescription for respiratory infections over time: (a) number of respiratory tract/ear infection episodes over time; (b) number of respiratory tract/ear infection episodes with macrolide prescription over time; (c) antibiotic prescription rate for respiratory tract/ear infections.

### 0-12



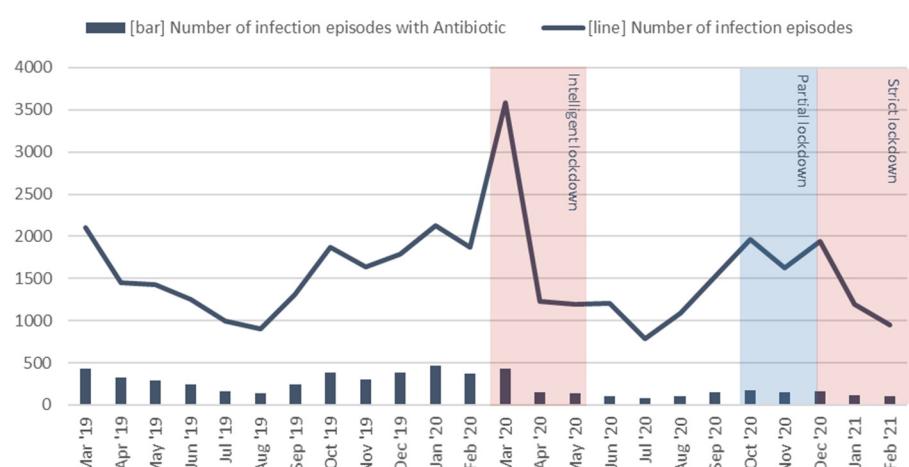
(a)

### 13-40

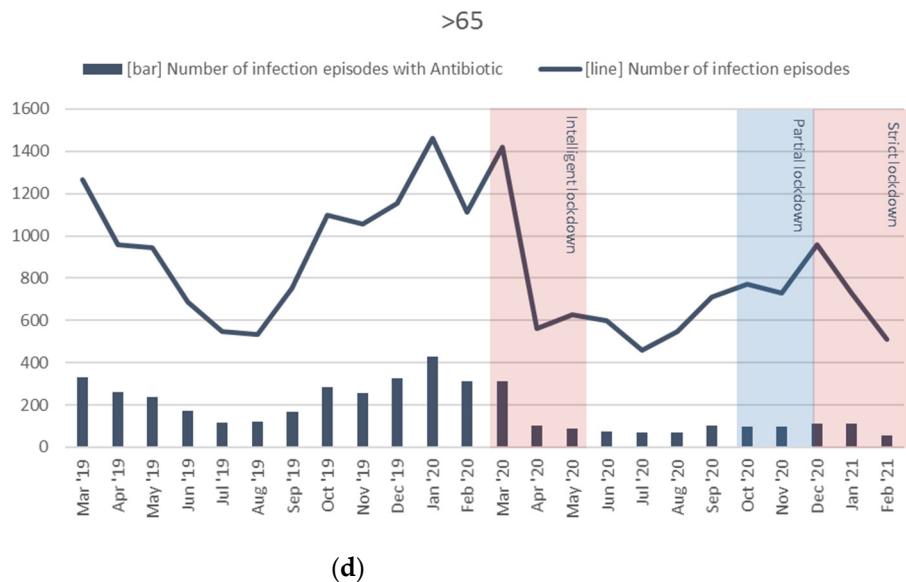


(b)

### 41-65



(c)



(d)

**Figure S2.** Number of respiratory and ear infection episodes and episodes with antibiotic prescription over time per age category: (a) 0–12, (b) 13–40, (c) 41–65, and (d) >65.