

Supplementary CRF: Registration PPAS Value-Dx v1.0 P 11NOV2019

Eligibility: register data on sequential patients who present with CA-ARTI with either:

- a) acute cough (<28 days) as the predominant symptom, and/or the clinician judges the symptoms are due to a lower respiratory tract infection
- b) acute sore throat (<14 days) or difficulty swallowing as the predominant symptom, and/or the clinician judges the symptoms are due to pharyngitis or tonsillitis

Exclusion: Patients with only nasal, ear, rhinosinusitis symptoms

ID: AA-P-X-000

Consultation date:

Consultation during: office hours out-of-hours

Consultation at: practice home long-term care facility

Consultation in this illness episode: first follow-up unknown

Patient characteristics

1. Age: ... months (0-11 months) years (\geq 1 year of age)

2. Number of days with acute RTI symptoms before this consultation: ... days

3. Any comorbidity present: yes no unknown

If yes: chronic respiratory condition (asthma, COPD, CF) diabetes cardiovascular disease
 neoplasm chronic renal failure chronic neurological condition other

4.1. Patient reported fever: yes no

4.2. Temperature taken in clinic: yes no

If yes, physician measured temperature: ... °C

5. Have you measured? Blood pressure: yes no

O₂ saturation: yes no

Respiratory rate: yes no

Heart rate: yes no

6.1. For adults: is the patient in employment? yes no unknown

For children: does the patient attend out-of-home care or school? yes no unknown

6.2. How many days has the patient missed work/out-of-home care/school? ... days unknown

7. Signs and symptoms (either reason for consulting or part of consultation)

7.1. Ear pain: yes no unknown

7.2. Rhinitis: yes no unknown

7.3. Sore throat or difficulty swallowing: yes no unknown

If yes, tick all that apply: tonsillar exudate

swollen tonsils

tender cervical nodes

peritonsillar abscess

none of the above

7.4. Cough: yes no unknown

If yes, tick all that apply: short of breath (dyspnea)

increased, or purulent sputum

abnormal auscultation

(pleuritic) chest pain

wheezing

tachypnea

none of the above

7.5 General symptoms: yes no unknown

If yes, tick all that apply headache

altered mental status/confusion

fatigue/extremely low energy/sleepiness

palpitations

reduced urine output

none of the above

8. Overall illness severity (physician's impression): mild moderate severe

9. Have you done/ordered additional diagnostic tests? yes no
If yes: Group A β-hemolytic Strep antigen POC LAB
 CRP POC LAB
 Procalcitonin POC LAB
 RSV POC LAB
 Influenza POC LAB

 Total white blood cell count POC LAB
 Legionella (urine) POC LAB
 Pneumococci (urine) POC LAB
 Multiplex PCR panel POC LAB

 Chest X-ray
 Other test, specify:
10. What was the suspected etiology: viral bacterial allergic not clear
11. Initial working diagnosis acute pharyngitis acute tonsillitis laryngitis/laryngotracheitis (croup)
 peritonsillar abscess influenza-like-illness
 bronchiolitis acute bronchitis community acquired pneumonia
 wheezing exacerbation of chronic respiratory condition
 other, specify:
12. Medical history of antibiotic allergy/intolerance: yes no unknown
If yes, to which antibiotic?
13. Already treated with antibiotics in the past week? yes no unknown
14. Antibiotic prescribing: yes no
If yes: immediate delayed
Which antibiotic class?
 tetracycline (e.g. doxycycline, oxytetracycline)
 narrow spectrum penicillin (e.g. pheneticillin, phenoxyethyl penicillin)
 broad spectrum penicillin (e.g. amoxicillin)
 co-amoxiclav (amoxicillin/clavulanate)
 macrolide (e.g. erythromycin, clarithromycin, azithromycin)
 quinolone (e.g. ciprofloxacin, moxifloxacin, levofloxacin)
 cephalosporin (e.g. cephalexin)
 other, specify:
15. Did the patient request an antibiotic prescription? yes no
16. How confident were you about your (non-)prescribing decision?
 very certain certain moderately uncertain very uncertain
17. Have you provided? advice/prescribed days off school/work. If ticked, for how many days?
- advice for symptomatic treatment
 a scheduled follow-up visit
 other prescribed medication. If ticked: inhaled medication
 antiviral medication
 antihistamines
 other
 none of the above
18. Did you refer the patient to hospital? yes no

Supplementary Table 1: Patient characteristics, clinical presentation, diagnostic testing, prescribing, provided advice and hospital referral for patients presenting with symptoms of an RTI in primary care.

	N		Min-Max
	%	95%CI	Min-Max
Number of registrations	4,982		211-355
Age:			
0-4	15.3	14.3-16.3	0.4-59.7
5-18	19.9	18.8-21.0	5.3-42.6
19-65	51.5	50.1-52.9	16.1-82.1
66-80	9.7	8.9-10.5	1.4-23.4
>80	3.6	3.1-4.1	0.0-9.7
Comorbidity:			
Chronic respiratory condition	11.7	10.8-12.6	0.3-24.5
Diabetes	4.9	4.3-5.5	0.8-10.5
Cardiovascular	9.5	8.7-10.3	1.1-19
Other chronic condition	12.4	11.5-13.3	2.8-25.7
Symptoms:			
Ear ache	10.1	9.3-11.0	2.1-16.6
Coryza/rhinitis	51.1	49.7-52.5	24.4-82.6
Sore throat	57.9	56.5-59.3	31.7-82.1
Cough	82.2	81.1-83.2	67.9-90.8
General symptoms	61.2	59.8-62.5	39.3-82.7
Clinical assessments:			
Temperature	60.8	59.4-62.1	10.7-98.8
Respiratory rate	46.3	44.9-47.7	2.5-99.6
O₂ saturation	46.7	45.3-48.1	4.1-97.1
Heart rate	58.7	57.3-60.1	8.7-98.8
Blood pressure	33.2	31.9-34.5	3.6-84
Overall severity:			
Mild	52.6	51.2-54.0	29.2-70.1
Moderate	44.3	42.9-45.7	29.2-69.6
Severe	3.2	2.7-3.7	0.4-9.5
Diagnostic testing:			
POC	29.1	27.9-30.4	6.1-79.1
Strep A	15.7	14.7-16.7	0.0-77.3
C-reactive protein	3.7	3.2-4.3	0.0-23.0
Influenza	10.3	9.5-11.2	0.0-73.9
WBC	0.7	0.5-1.0	0.0-2.8
Chest X-ray	1.3	1.0-1.7	0.0-14.7
Laboratory	1.8	1.5-2.2	0.0-12.9
Strep A	15.2	14.2-16.2	1.0-55
C-reactive protein	1.1	0.8-1.4	0.0-9.0
Influenza	4.6	4.0-5.2	0.0-28.1
RSV	1.8	1.5-2.2	0.0-10.9
WBC	0.7	0.5-1.0	0.0-5.2
Multiplex PCR	8.1	7.4-8.9	0.0-52.5
Chest X-ray	0.6	0.4-0.9	0.0-10.9
	5.4	4.8-6.1	0.0-29.8
Diagnoses:			
Pharyngitis	21.0	19.9-22.1	3.3-44.9
Tonsillitis	11.5	10.6-12.4	4.6-26.3
Influenza-like-illness	21.7	20.6-22.9	2.9-59.3
Bronchitis	17.0	16.0-18.1	4.6-31.7
Pneumonia	6.8	6.1-7.5	1.7-18.8
Exacerbation	5.7	5.1-6.4	0.0-13.5

Suspected aetiology:			
Viral	66.3	65.0-67.6	46.5-80.4
Bacterial	27.0	25.8-28.2	16.3-50.8
Not clear	6.5	5.9-7.2	0.4-16.3
Allergic	0.7	0.5-1.0	0.0-6.1
Patient requested AB:			
Yes	12.3	11.4-13.2	2.1-48.3
Prescribing:			
Antibiotic	31.3	30.0-32.6	18.1-53.6
<i> Immediate/delayed</i>	86/14	84.2-	63.5-100
<i> Tetracycline</i>	4.2	87.6/12.4-	0.0-20.5
<i> Small-spectrum penicillin</i>	12.0	15.8	0.0-77.9
<i> Broad-spectrum penicillin</i>	29.0	3.3-5.3	4.3-67.3
<i> Co-amoxiclav</i>	22.2	10.5-13.7	0.0-51.5
<i> Macrolide</i>	19.7	26.8-31.3	3.6-46.7
<i> Quinolone</i>	4.7	20.2-24.3	0.0-18.7
<i> Cephalosporin</i>	7.5	17.8-21.7	0.0-23.3
Antiviral	4.0	3.7-5.8	0.0-37.1
Inhaled medication	14.6	6.3-8.9	4.6-39.2
Antihistamine	4.0	3.5-4.6	0.0-40.0
Other	18.4	13.6-15.6	4.6-52.1
Confidence AB prescribing decision:			
Very certain	37.5	36.2-38.8	10.2-66.3
Certain	50.0	48.6-51.4	35.7-26.3
Moderate	10.9	10.1-11.8	0.4-24.4
Uncertain	1.0	0.8-1.3	0.0-2.6
Very uncertain	0.5	0.3-0.7	0.0-8.6
Advice provided:			
Days off school/work	39.3	38.0-40.7	1.6-80.5
Symptomatic treatment	78.2	77.0-79.3	50.8-98.8
Scheduled follow-up	34.4	33.1-35.7	5.4-94.2
Hospital referral:			
Yes	2.3	1.9-2.8	0.4-3.8

Overall percentages are shown, with 95%CIs and the range: lowest and highest individual country values. Individual country results are shown in Appendix 2.

Supplementary Table 2: Patient characteristics, clinical investigation, overall severity, diagnostic testing, diagnoses, suspected etiology, prescribing, patient request for antibiotics, GPs' confidence in antibiotic prescribing, provided advice and hospital referral by country.

	AM	BE	DE	DK	ES	FR	GE	GR	HR	HU	IE	MD	NL	NO	PL	RO	UA	UK
No. registrations	355	288	241	392	291	262	240	238	270	301	291	240	319	211	241	247	247	308
Age:																		
0-4	59.7	6.7	2.9	24.9	3.4	15.3	15.4	0.4	0.4	2.3	18.1	19.2	6.9	13.7	21.6	22.7	13.8	12.3
5-18	22.8	21.1	9.2	13.3	6.9	15.3	24.6	10.6	42.6	5.3	19.2	34.6	10.3	19.4	26.6	20.2	37.0	26.0
19-65	16.1	57.9	82.1	53.1	61.5	50.4	55.4	61.3	47.8	77.7	42.9	38.8	53.0	55.0	41.5	49.8	41.9	50.3
66-80	1.4	6.3	5.0	7.4	19.2	12.2	2.9	23.4	7.8	12.0	12.5	6.7	20.1	6.6	8.3	6.9	6.5	9.4
>80	0	8.1	0.8	1.3	8.9	6.9	1.7	4.3	1.5	2.7	7.3	0.8	9.7	5.2	2.1	0.4	0.8	1.9
Comorbidity:																		
Chronic respiratory	0.3	10.8	5.0	9.4	16.2	16.4	0.8	17.6	10.4	5.3	24.4	8.3	24.5	18.5	8.3	9.7	8.9	16.6
Diabetes	1.1	3.8	7.1	2.3	7.2	5.7	0.8	10.5	4.1	7.0	5.5	2.1	9.4	7.6	4.1	9.3	0.8	2.3
Cardiovascular	1.1	10.4	14.5	3.3	10.7	10.3	3.3	11.3	10.0	8.6	9.3	13.3	4.7	6.6	12.9	19.0	15.4	2.6
Other chronic condition	2.8	9.3	20.7	8.5	19.9	13.8	5.0	20.1	5.1	14.9	25.7	10.4	17.9	11.8	10.3	13.3	11.4	6.1
Symptoms:																		
Ear ache	11.5	14.6	16.6	16.3	4.5	14.1	3.8	7.6	4.4	9.6	16.5	2.1	12.5	9.5	4.1	7.3	4.9	14.6
Coryza/rhinitis	76.9	59.4	82.6	53.8	25.1	62.6	43.3	64.3	36.3	52.2	37.5	51.2	55.8	50.2	51.0	46.2	47.8	24.4
Sore throat	51.0	67.7	58.9	43.6	46.7	66.4	66.3	68.1	63.0	75.4	36.8	82.1	31.7	61.1	60.6	76.1	46.6	59.7
Cough	67.9	86.1	78.8	82.4	82.1	84.0	90.8	89.9	86.7	76.1	87.6	73.8	88.7	86.7	89.6	81.4	86.6	68.2
General symptoms	43.4	65.3	77.2	56.1	55.0	74.4	74.6	75.6	76.3	82.7	50.9	80.8	50.2	39.3	57.7	47.0	67.2	41.6
Clinical investigation:																		
Temperature	89.3	78.1	13.3	10.7	36.4	74.0	77.5	90.8	25.6	41.9	94.2	98.8	63.0	19.4	46.5	63.6	84.6	92.9
Respiratory rate	43.7	18.1	2.5	12.8	18.2	24.8	99.2	95.8	30.0	47.2	61.2	99.6	37.0	40.8	46.5	34.0	80.6	72.4
O ₂ saturation	78.0	28.8	4.1	11.0	49.5	28.6	86.3	97.1	65.2	7.0	44.0	88.3	57.1	20.4	11.6	32.8	64.8	73.7
Heart rate	82.8	47.2	8.7	8.7	41.2	55.3	98.8	95.4	60.0	53.2	71.5	79.2	58.0	39.8	57.3	51.0	78.5	86.0
Blood pressure	16.9	32.3	15.4	3.6	22.7	66.4	66.3	84.0	24.1	53.8	32.6	47.5	14.4	12.8	29.9	40.9	41.7	21.1
Severity:																		
Mild	49.9	57.1	44.0	57.2	70.1	37.0	29.2	48.3	44.1	49.2	55.3	42.5	60.8	64.5	46.9	62.8	61.1	59.4
Moderate	47.0	39.0	53.9	39.4	29.2	53.4	69.6	44.9	53.0	47.5	40.2	57.1	34.7	31.8	51.0	36.4	36.9	38.6
Severe	3.1	3.8	2.1	3.4	0.7	9.5	1.3	6.8	3.0	3.3	4.5	0.4	4.5	3.8	2.1	0.8	2.0	1.9

Diagnostic testing:	34.6	8.7	16.6	71.4	8.6	22.5	43.3	37.4	30.0	12.3	9.3	55.0	35.4	79.1	12.0	6.1	30.8	8.8
<i>POC</i>	6.8	1.0	9.5	67.9	7.6	13.4	16.7	1.7	0.0	10.6	1.0	0.0	33.5	77.3	7.9	0.0	12.6	3.6
Strep A	1.4	0.0	0.0	23.0	5.5	13.4	0.8	0.0	0.0	0.0	0.0	0.0	0.3	12.8	2.5	0.0	1.6	0.0
C-reactive protein	0.3	0.0	8.7	49.7	0.0	0.0	2.1	0.0	0.0	7.0	0.0	0.0	30.7	73.9	3.3	0.0	0.0	1.9
Influenza	2.3	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	2.3	0.0	0.0	0.0	2.8	0.8	0.0	1.6	1.6
WBC	1.7	0.0	0.0	1.3	0.0	0.0	0.8	0.0	0.0	0.0	0.3	0.0	0.0	14.7	0.0	0.0	6.9	0.0
Chest X-ray	1.1	1.0	0.4	0.8	2.1	0.0	12.9	1.7	0.0	2.0	0.0	0.0	2.2	0.0	2.5	0.0	8.5	0.0
<i>Laboratory</i>	28.5	8.0	7.1	11.5	1.0	9.9	32.5	36.1	30.0	1.7	8.2	55.0	2.8	17.5	4.6	6.1	19.8	5.2
Strep A	9.0	0.0	0.0	0.5	0.0	0.0	0.0	4.6	0.4	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.2	0.0
C-reactive protein	0.6	6.2	5.0	0.5	0.0	6.5	12.5	8.0	28.1	1.7	1.4	10.8	1.6	0.0	2.9	0.4	1.2	1.0
Influenza	7.0	0.0	1.7	3.8	0.0	2.3	0.0	1.7	2.2	0.0	0.0	0.8	0.0	10.9	0.0	1.6	0.8	0.3
RSV	3.7	0.0	0.0	1.3	0.0	1.1	0.0	0.4	0.0	0.0	0.3	0.0	0.0	5.2	0.0	0.0	0.0	0.3
WBC	4.2	6.9	2.1	0.5	0.0	6.1	9.6	26.1	28.5	0.7	1.7	52.5	0.9	0.5	0.8	0.4	17.4	1.0
Multiplex PCR	0.0	0.7	0.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.9	0.0	0.0	0.0	0.0
Chest X-ray	4.8	0.7	0.4	1.5	1.0	5.0	18.3	29.8	6.3	0.0	6.5	15.8	0.9	2.4	1.2	2.4	5.7	2.3
Diagnoses:																		
Pharyngitis	33.8	17.7	3.3	20.2	19.2	22.5	12.5	9.7	36.3	31.6	12.0	26.3	13.2	24.6	21.6	44.9	20.6	6.2
Tonsillitis	18.9	15.6	4.6	9.7	6.2	14.9	5.4	4.6	4.8	16.3	9.3	19.6	5.3	6.2	5.8	26.3	7.7	22.4
Influenza-like-illness	18.6	7.6	59.3	13.8	25.4	19.8	33.8	45.8	25.6	19.3	11.0	2.9	6.3	12.9	44.4	13.4	23.9	16.9
Bronchitis	9.9	14.2	4.6	19.1	30.9	17.2	31.7	19.7	10.7	23.9	18.6	15.0	11.9	9.5	12.4	15.0	27.9	13.0
Pneumonia	5.1	5.9	2.5	11.5	3.8	5.3	5.8	7.6	6.3	6.3	9.3	1.7	18.8	9.5	5.4	2.8	7.3	2.9
Exacerbation	0.0	3.1	0.8	3.3	6.9	6.9	2.9	10.5	2.2	1.0	12.4	7.1	13.5	4.7	6.2	6.1	7.3	8.8
Suspected etiology:																		
Viral	79.4	76.4	79.7	71.4	80.4	62.6	65.8	60.9	76.7	46.5	56.4	56.7	59.9	77.7	66.0	70.0	53.0	53.9
Bacterial	16.6	16.3	17.8	24.5	17.9	29.0	17.5	28.2	17.4	50.8	34.4	41.7	29.2	18.0	25.3	31.2	36.0	34.4
Not clear	4.8	7.6	2.1	3.6	2.1	8.0	16.3	8.4	5.9	2.7	8.6	2.1	10.3	4.3	7.5	0.4	9.7	12.7
Allergic	0.0	0.3	0.4	0.0	0.0	1.1	0.4	1.3	0.0	0.0	1.0	0.0	1.9	0.0	1.2	0.0	6.1	0.0
Patient request for AB:																		
Yes	9.6	5.6	2.1	5.9	4.1	14.9	10.8	48.3	4.1	9.3	27.1	10.8	8.8	7.6	12.9	8.1	23.9	14.0

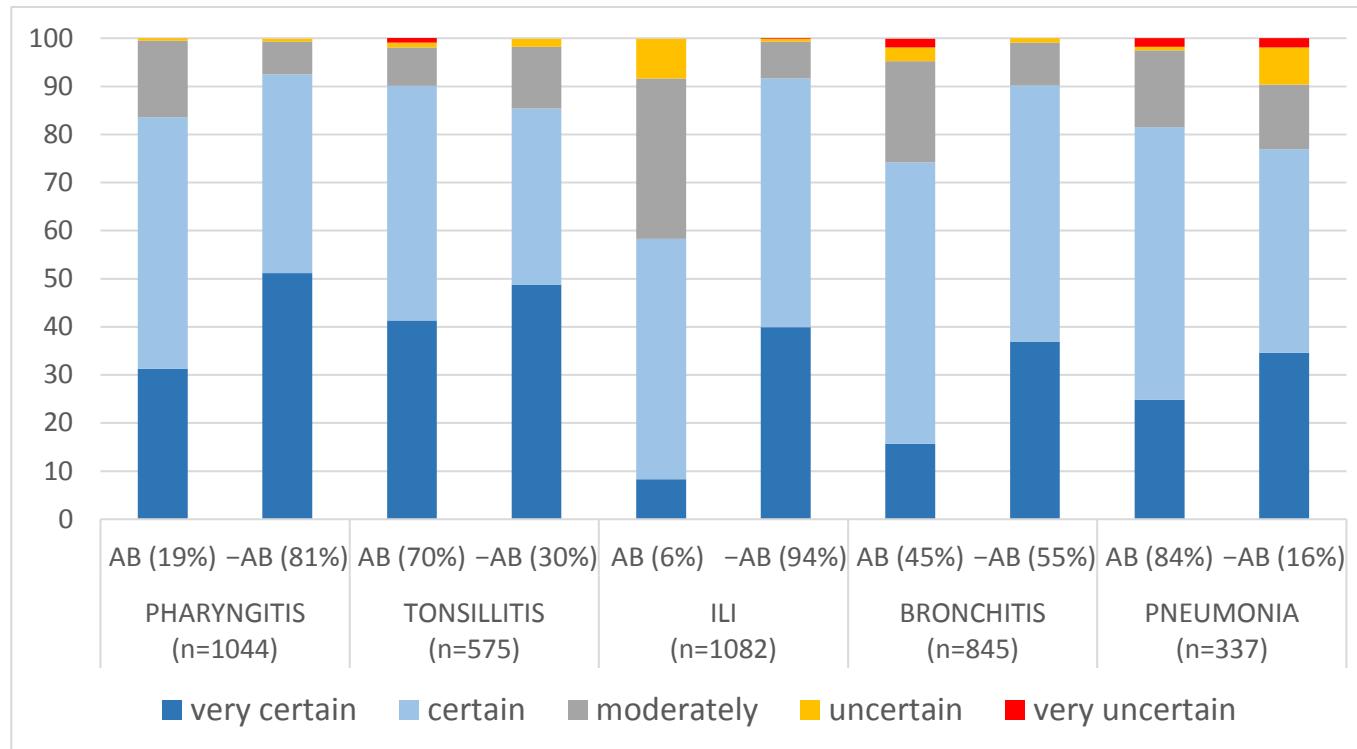
Prescribing:																		
Antibiotic	19.2	18.1	18.3	24.2	18.6	42.0	25.4	31.5	20.7	52.5	53.6	42.1	35.1	20.9	28.2	27.9	41.7	43.8
Immediate	94.1	63.5	70.5	97.9	98.1	81.8	96.7	98.7	85.7	89.9	71.2	97.0	94.6	77.3	85.3	100	65.0	83.0
Tetracycline	0.0	0.0	0.0	1.1	0.0	0.0	0.0	1.3	1.8	0.0	7.7	0.0	20.5	15.9	0.0	0.0	0.0	14.8
Small-spectrum penicillin	0.0	0.0	15.9	77.9	16.7	0.0	0.0	0.0	7.1	0.0	5.8	0.0	5.4	61.4	10.3	5.8	0.0	30.4
Broad-spectrum penicillin	44.1	67.3	45.5	6.3	46.3	34.5	8.2	5.3	21.4	21.5	42.3	22.8	61.6	9.1	17.6	4.3	13.6	39.3
Co-amoxiclav	30.9	9.6	9.1	3.2	14.8	29.1	34.4	25.3	32.1	25.3	14.7	51.5	6.3	0.0	32.4	33.3	45.6	0.7
Macrolide	13.2	17.3	20.5	9.5	7.4	19.1	41.0	46.7	42.9	16.5	19.2	18.8	3.6	9.1	30.9	36.2	18.4	11.1
Quinolone	1.5	0.0	0.0	1.1	13.0	4.5	3.3	18.7	0.0	16.5	1.3	2.0	0.9	0.0	1.5	10.1	3.9	0.0
Cephalosporin	11.8	7.7	9.1	0.0	0.0	7.3	11.5	6.7	5.4	20.3	5.1	5.0	0.0	0.0	5.9	7.2	23.3	0.0
Antiviral	1.1	0.0	1.2	0.0	0.0	1.5	12.1	10.5	0.0	0.7	1.4	37.1	0.0	0.0	2.1	9.7	4.5	0.0
Inhaled medication	9.3	11.5	4.6	6.6	19.9	13.0	39.2	30.3	11.5	4.7	17.9	27.1	11.3	10.4	11.2	17.8	19.8	8.4
Antihistamine	0.0	1.4	0.4	0.3	1.4	3.1	16.7	1.7	0.4	0.7	0.7	40.0	0.3	0.5	2.1	5.3	5.3	0.3
Other	6.5	8.3	13.3	5.9	19.2	45.4	27.9	8.4	6.3	12.0	36.8	52.1	16.9	15.2	4.6	30.4	25.1	10.4
Confidence AB prescribing:																		
Very certain	46.8	50.7	16.6	37.0	33.1	32.8	19.6	29.2	66.3	59.1	26.8	54.2	28.8	48.8	23.2	64.4	10.2	22.9
Certain	45.4	35.7	69.7	46.0	63.4	49.2	80.0	53.6	26.3	38.9	46.0	44.6	59.8	37.9	57.3	30.8	66.0	55.2
Moderate	6.8	11.5	12.9	15.2	3.4	15.3	0.4	6.9	7.4	2.0	24.4	0.8	11.4	10.4	18.7	4.5	23.4	19.3
Uncertain	0.8	1.7	0.8	1.8	0.0	2.3	0.0	1.7	0.0	0.0	2.4	0.0	0.0	1.9	0.8	0.4	0.4	2.6
Very uncertain	0.3	0.3	0.0	0.0	0.0	0.4	0.0	8.6	0.0	0.0	0.3	0.4	0.0	0.9	0.0	0.0	0.0	0.0
Provided advice:																		
Days off school/work	11.3	56.9	80.5	20.9	11.3	37.0	50.8	27.3	78.9	55.5	27.1	68.3	1.6	41.2	74.7	45.7	53.0	6.8
Symptomatic treatment	86.8	78.8	83.0	63.0	81.8	62.2	82.5	76.1	95.9	62.8	83.2	98.8	50.8	58.3	80.1	91.5	95.1	86.4
Scheduled follow-up	47.0	8.3	44.8	5.4	11.7	11.5	60.8	45.4	58.9	63.1	13.1	94.2	16.3	10.0	27.0	42.5	79.4	7.1
Hospital referral:																		
Yes	3.7	1.7	0.4	3.3	1.7	2.3	0.8	3.8	3.7	0.7	3.4	1.7	2.2	3.8	2.1	0.8	2.0	2.3

Supplementary Table 3: Country effect on antibiotic prescribing for respiratory tract infections in primary care in 18 European countries.

	Adj OR	95%CI*
AM (Armenia)	1.38	0.45 – 4.2
DE (Germany)	0.75	0.18 – 3.2
DK (Denmark)	1.37	0.53 – 3.5
ES (Spain)	1.35	0.46 – 3.9
FR (France)	2.24	0.89 – 5.7
GE (Georgia)	1.22	0.4 – 3.7
GR (Greece)	1.82	0.63 – 5.3
HR (Croatia)	0.93	0.32 – 2.7
HU (Hungary)	5.45	1.8 – 16
IE (Ireland)	8.33	2.9 – 24
MD (Moldova)	3.96	1.2 – 13
NL (Netherlands)	2.10	0.8 – 5.5
NO (Norway)	1.23	0.19 – 7.9
PL (Poland)	1.79	0.65 – 5.0
RO (Romania)	2.62	0.86 – 8
UA (Ukraine)	6.23	2.0 – 20
UK (United Kingdom)	4.86	1.7 – 14

*Adjusted odds ratios (OR) and 95% confidence intervals (CI) for the variable country in the multivariable mixed effects logistic regression model for the dependent variable antibiotic prescribing. Reference category is Belgium (lowest antibiotic prescribing proportion). The results for the other variables are shown in Table 2.

Supplementary Figure 1: Confidence in antibiotic prescribing decision, split by antibiotic prescribed yes/no and individual diagnosis.



Percentages of consultations by certainty of the antibiotic prescribing decision, split by diagnosis (numbers between brackets refer to the number of consultation in the group) and antibiotic prescribing (percentages between brackets refer to the percentages of consultations in which an antibiotic was prescribed (AB) or not (-AB)).