



**University of Dundee**

**Associations between declining antibiotic use in primary care in Scotland and hospitalization with infection and patient satisfaction**

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*Published in:*  
Journal of Antimicrobial Chemotherapy

*DOI:*  
[10.1093/jac/dkac191](https://doi.org/10.1093/jac/dkac191)

*Publication date:*  
2022

*Document Version*  
Other version

[Link to publication in Discovery Research Portal](#)

*Citation for published version (APA):*

Guthrie, I., Malcolm, W., Nogueira, R., Sneddon, J., Seaton, R. A., & Marwick, C. A. (2022). Associations between declining antibiotic use in primary care in Scotland and hospitalization with infection and patient satisfaction: Longitudinal Population Study. *Journal of Antimicrobial Chemotherapy*, 77(9), 2561-2568. <https://doi.org/10.1093/jac/dkac191>

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## Appendix

Supplementary table S1: ICD-10 codes used for hospital admissions outcomes.

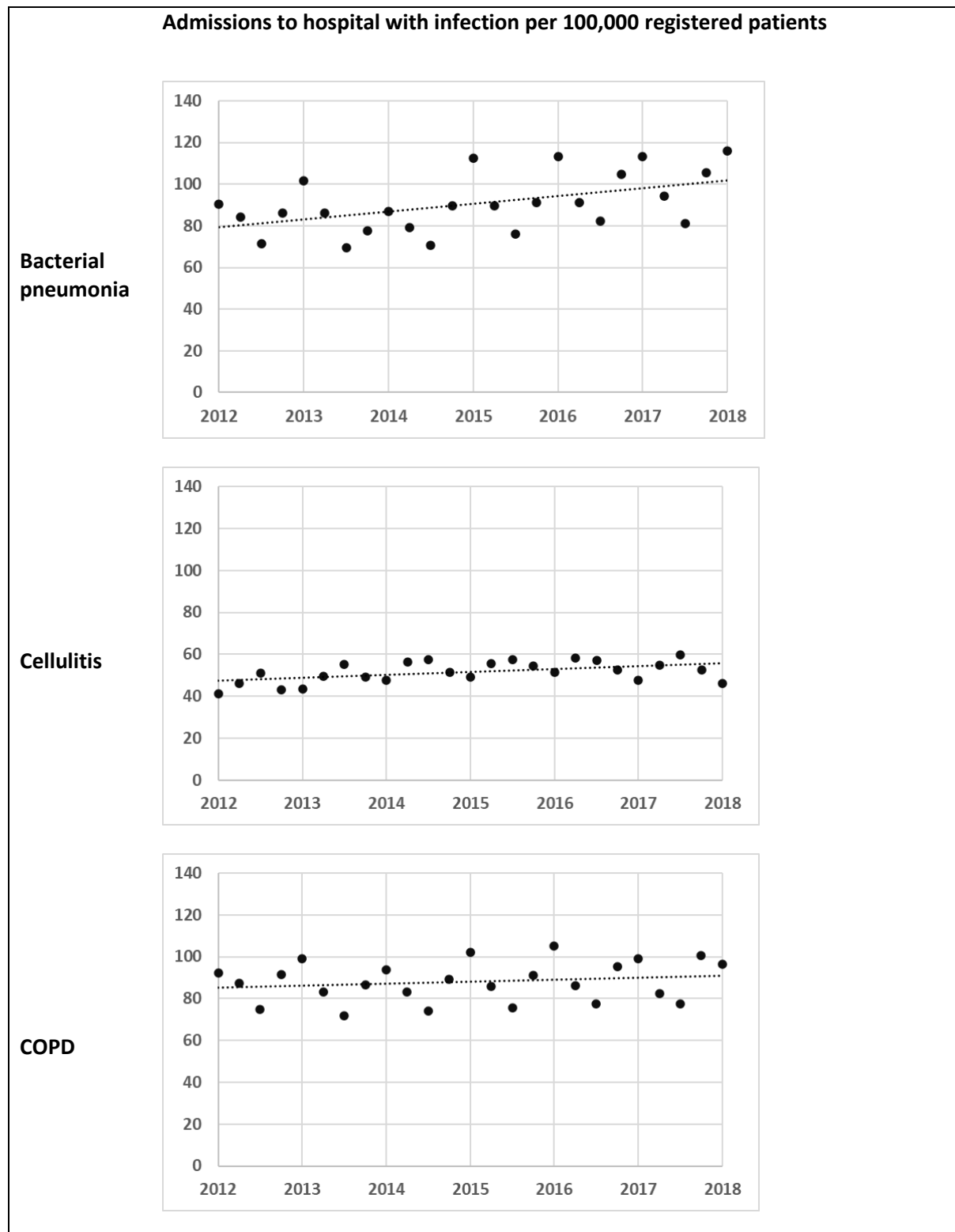
Hospital admission outcome	ICD-10 codes	ICD description
<b>Mastoiditis, peritonsillar abscess, pneumonia or COPD</b>	H70.0	Acute mastoiditis
	H70.9	Mastoiditis, unspecified
	J36	Peritonsillar abscess
	J13	Pneumonia due to Strep pneumoniae
	J14	Pneumonia due to Haem influenza
	J15 and all child codes	Bacterial pneumonia NEC
	J16 and all child codes	Pneumonia due to other inf orgs, NEC
	J18 and all child codes	Pneumonia, organism unspecified
	J20 J20.1 J20.2 J20.9	Acute bronchitis
	J41 and all child codes	Simple and mucopurulent chronic bronchitis
	J42 and all child codes	Unspecified chronic bronchitis
	J43 and all child codes	Emphysema
	J44.0*	COPD with acute lower respiratory tract infection
	J44.1*	COPD with acute exacerbation, unspecified
<b>Cellulitis or erysipelas</b>	L03 and all child codes	Cellulitis
	L04 and all child codes	Acute lymphadenitis
	L08.0	Pyoderma (excl. pyoderma gangrenosum)
	L08.8	Other spec local infections of skin and subcutaneous tissue
	L08.9	Local infection of skin and subcutaneous tissue unspecified
	A46	Erysipelas
<b>Urinary tract infection</b>	N10	Acute tubule-interstitial nephritis (incl. pyelonephritis)
	N11.0	Nonobstructive reflux-associated chronic pyelonephritis
	N11.1	Chronic obstructive pyelonephritis
	N11.8	Other chronic tubule-interstitial nephritis
	N11.9	Chronic tubule-interstitial nephritis, unspecified
	N12	Tubulo-interstitial nephritis, not specified as acute or chronic
	N13.6	Pyonephrosis
	N15.1	Renal and perinephric abscess
	N15.9	Renal tubule-interstitial disease, unspecified
	N28.83	Nephroptosis
	N28.84	Pyelitis cystica
	N28.85	Pyeloureteritis cystica
	N30.0	Acute cystitis
	N39.0	Urinary tract infection, site not specified
	N41.0	Acute prostatitis
	N41.2	Abscess of prostate
	N41.3	Prostatocystitis
	N41.9	Inflammatory disease of prostate, unspecified
N45	Orchitis and epididymitis	

	N49	Inflammatory disorders of male genital organs, not elsewhere classified
	R36	Urethral discharge
Sepsis	A40 and all child codes	Streptococcal sepsis
	A41 and all child codes	Other sepsis

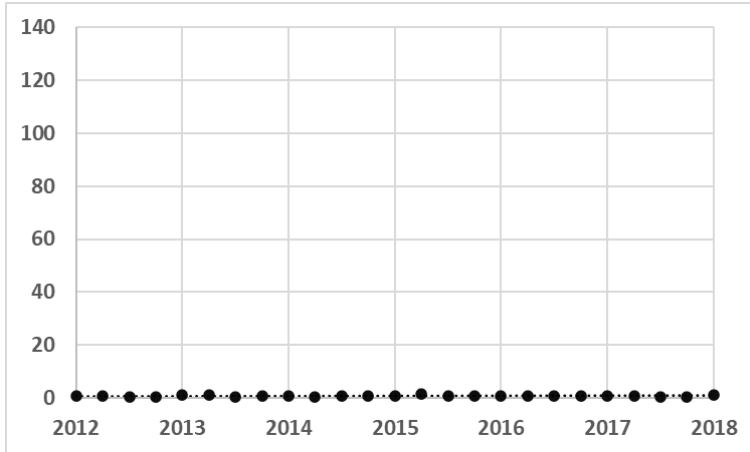
Supplementary table S2: Admissions in the first quarter of 2012 and in the first quarter of 2018 for each infection

Infection	Admissions per 100,000 patients in Q1 2012	Admissions per 100,000 patients in Q1 2018
Bacterial Pneumonia	90.4	115.8
Cellulitis	41.3	46.0
COPD	91.3	96.5
Mastoiditis and peritonsillar abscess	0.7	1.1
Sepsis	20.1	56.8
Urinary tract infection	41.0	36.7

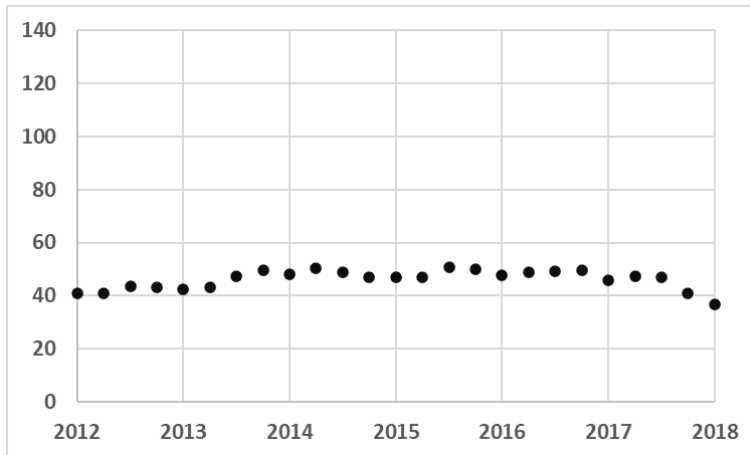
Supplementary figure S1: Rates of hospital admissions with individual infections over time



**Mastoiditis and peritonsillar infections**



**Urinary tract infections**



**Sepsis**

