BMJ Open Medical management of acute upper respiratory infections in an urban primary care out-of-hours facility: cross-sectional study of patient presentations and expectations

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ABSTRACT

Objectives The purpose of this study was to examine the expectations of patients attending an urban primary care out-of-hours (OOH) facility with acute upper respiratory tract infection (acute URTI) regarding clinical examination, symptom management, information on their condition, reassurance, antibiotic treatment and other possible options including referral.

Design Cross-sectional design.

Setting One urban primary care OOH facility located in the midwest of Ireland.

Participants 457 patients filled out a questionnaire while waiting in the OOH facility; 22 surveys were excluded as the patients did not present with symptoms of acute URTI resulting in 435 patients' data being included in this study. There were 59.5% female participants and 40.5% male participants.

Results 435 patients with acute URTI symptoms participated in the survey, representing 25.4% of those attending the single branch where the survey was conducted (n=1715). Of the study participants, 43% were aged under 6 years and 60% were women. The most common presenting symptoms were cough (72%), throat ache (46%) and common cold (26%). The most common expectations were for further examination (53%), reassurance (51%), information (49%) and medication for cough (47%), with 34% expecting an antibiotic.

Conclusions Only one in three patients attending this primary care OOH facility with acute URTI symptoms had an expectation of antibiotics, with most seeking further assessment, information and reassurance. Recognition of such expectations may be important considerations for clinicians when deciding on management options for patients with acute URTI.

BACKGROUND

Antimicrobial resistance (AMR) is a growing threat to global public health.¹ Increasing consumption of antibiotics is associated with the development of antibiotic resistance at individual, community, national and international levels.²⁻⁵ It is estimated that 25 000

Strengths and limitations of this study

- The study used a previously validated questionnaire that was adapted and piloted by a multidisciplinary research and clinical team.
- The research was conducted over four consecutive months which would mitigate the effects of any public health campaigns aimed at reducing antibiotic use at the time.
- As this is a single-centre study, the population studied in this particular out of hours OOH service may not reflect those seen in OOH services throughout Ireland and/or the UK.
- The patient's desire for antibiotics was not assessed against the clinician-assessed need for antibiotics. Severity and duration of the illness was not assessed which may have affected patient expectation for antibiotics.

people in the European Union die annually as a result of infections caused by resistant bacteria, at a societal cost of approximately €1.5 billion annually.⁶ Over the last 30 years, no major new types of antibiotics have been developed.⁷ Therefore, antibiotic stewardship programmes, aiming to ensure the judicious use of antimicrobials by preventing their unnecessary use, have been established.^{1 8-12}

Acute upper respiratory tract infection (acute URTI), which incorporates the term 'upper respiratory infection', includes infections such as otitis media, pharyngitis, sinusitis and acute bronchitis.¹³ It is the most common reason for antibiotic prescription in adults¹³ and children.¹⁴ These prescriptions are often inappropriate in that they may be unnecessary, lead to increased antibiotic resistance and put patients at risk of adverse events.¹³ Typically, inappropriate antibiotic prescribing occurs when a doctor prescribes

an antibiotic that is not clinically indicated. The benefits of antibiotics are marginal for the management of most cases of acute URTI,^{15–22} including sore throat.^{23 24} Internationally, research shows that, with few exceptions,²⁵ inappropriate prescribing of antibiotics for patients with mainly acute URTI is common.^{26–30} This is thought to be related to a poor standard of knowledge among the general public regarding the usefulness of antibiotics in acute URTI, with widespread belief that antibiotics work well for treating viral infections.^{31 32}

It has been reported that 75% of overall antibiotic prescribing takes place in primary care.³³ For example, the majority of outpatient antibiotic prescriptions in the USA are for acute URTIs.^{13 34} In Ireland, the UK and many other countries, out-of-hours (OOH) services are an integral part of primary care provision, providing primary care outside of 'core' contracted hours during weekday evenings and nights and on weekends or bank holidays. This care is usually for clinical cases that are deemed to be of sufficiently urgent nature that they cannot wait until the next available routine consulting period. Internationally, acute URTIs are estimated to constitute 9% of the consultations in general practice, while the corresponding proportion in the OOH service is 16.7%.³⁵ Hence, this service handles a substantial proportion of acute URTIs and is, thereby, potentially an important contributor to overall antibiotic consumption.

Patterns of antibiotic prescribing that clearly do not adhere to guidelines have been reported.^{36 37} In some regions, this has contributed to a 25% rate of antibiotic prescribing for children with fever in an OOH setting.³⁸ Giesen described how national clinical guidelines are not suited to the context of the OOH setting leading to clinical uncertainty for doctors.³⁹ This has resulted in quality of antibiotic prescribing being less than optimal.⁴⁰ Trends in prescribing have also suggested that there may be a partial displacement of antibiotic prescribing from in-hours to the OOH setting, where patients with acute infective symptoms seeking antibiotics present to the OOH service after refusal by the in-hours general practice.⁴¹ In contrast, other studies have shown antibiotic prescription rates to be similar in the OOH setting compared with the daytime in-hours setting.^{35 42}

While it is true that poor public understanding of the usefulness of antibiotics in acute URTI may increase patient expectation for antibiotic prescription, there is evidence that clinical examination and explanation of the diagnosis is important to patients' satisfaction with the consultation.⁴³ It has also been shown that taking a patient's concerns seriously, conducting a physical examination, communicating a treatment plan and explaining treatment decisions all increase patient satisfaction with the management of acute URTI.⁴⁴

One of the most important factors influencing doctors prescribing of antibiotics for acute URTI is patient expectation.^{45–59} However, doctors often overestimate the level of this expectation.^{54 60–63}

Hence, there is an important need to determine what patients presenting to an OOH centre with acute URTI symptoms are expecting from their consultation with the healthcare professional (HCP). The purpose of this study was to examine patients' expectations of clinical examination, symptom management, information on their condition, reassurance, antibiotic treatment and other possible options including referral. This insight into patient expectation will inform HCPs dealing with patients presenting with acute URTI in an OOH setting.

METHODS

Study setting

The 'Shannondoc' primary care OOH facility (herein-after referred to as 'the OOH facility') in Limerick City, in the midwest of Ireland is the regional primary care setting for treating patients between 18:00 and 08:00 hours on weekdays and at all hours over weekends. The OOH facility has 12 branches throughout the region. It has a mixed private–public system with 45% of the population eligible for free care under a means-tested General Medical Services card or doctor visit-only card which is issued by the Irish Health Service Executive.⁶⁴ Eligibility criteria for free medical care include: age under 6 or over 70 years or earning below a certain figure based on family size. This group is hereinafter referred to as those eligible for free care. General practitioners (GP) (who are self-employed) are paid a 'per capita' fee by the state for their care. These patients do not pay directly for GP consultations whereas patients without a card pay an average of €55 per consultation.

Participants

Each day reception staff distributed the paper-based questionnaires along with information and consent forms to patients in the waiting room, prior to their consultation. The trained reception staff are experienced at working in a supervised clinical setting OOH. Only patients attending with symptoms of acute URTI were invited to participate in the study. For those aged under 18 years, parents or guardians were asked to complete the questionnaire. Reception staff were briefed by a member of the research team (ROC) on the aims of the study and given a list of acute URTI symptoms. All questionnaires were completed at the OOH facility. Completed forms were securely stored in the University of Limerick Graduate Entry Medical School building.

Sample size

It was calculated that a random sample of 400 patients would be required to estimate the percentage of patients expecting a prescription for antibiotics with 95% confidence and a margin of error of 5%. While our sample is not randomly selected, this sample size calculation was used to guide recruitment.

Measures

The questionnaire used was adapted from an instrument used by a recent study of patient experiences of antibiotic

prescribing by non-medical practitioners.⁴⁴ The modifications made to the original instrument were: eliminating the postconsultation element which asked patients what treatment they were given and ranking their satisfaction with various aspects of the consultation. All patients provided information regarding their age, gender, eligibility for free care and whether this was their first consultation with their GP or the OOH facility for the current complaint.

Other data collected included:

- ▶ Expecting antibiotics: Yes, no, unsure
- ▶ Reasons for seeing the GP: Earache or ear discharge, complaints of nose/sinuses, common cold, throat ache, cough, other reasons, for example, influenza-like symptoms
- ▶ What did they expect to receive from the GP: Further examination, information, reassurance, medication for pain relief, nose drops, medication for cough, referral to hospital or specialist, other

The modified questionnaire was piloted among non-medical staff and students in the medical school who were not associated with the study to ensure face validity (see online supplementary appendix 1). Completed questionnaires were deidentified for storage where patients had entered identifying data on the questionnaire during its completion.

Data analysis

Descriptive statistics were used to explore the demographic profile, patient symptoms and patient expectations. Variables were summarised using graphical and numeric descriptive statistics. Categorical variables were described using counts and percentages. The demographic characteristics of the sample and known characteristics of the population attending the OOH facility with acute URTI symptoms were compared. The percentage of the sample with an expectation of antibiotics was calculated with a 95% CI. The difference and corresponding 95% CI for the difference between two independent proportions (expectation of antibiotics by gender, age group, eligibility for free care and first consultation) were calculated. The Z test for independent proportions was used to investigate differences between proportions. SPSS V.24 and R software were used for the statistical analysis. Ethical approval for the study was granted.

Patient and public involvement

Patients were not involved in the design of the study. Patient data were collected but no identifying data were included in this study. Patients were recruited by staff at the OOH service based on their physical symptoms of acute URTI. Patients will be able to view the results of this study when it is published in a peer-reviewed journal.

RESULTS

Patient characteristics

A total of 457 questionnaires were collected during the time period of the study. When reviewing the data, 22 questionnaires were excluded as patients presented

Table 1 Patient characteristics and preconsultation expectations of antibiotics (n=435)

Patient characteristics and preconsultation antibiotic expectations	n (%)
Gender	
Male	176 (40.5)
Female	259 (59.5)
Age (years)	
Under 6	186 (42.8)
6–25	130 (29.9)
25–55	96 (22.1)
56+	23 (5.3)
Eligibility for free care	
Yes	244 (56.1)
No	191 (43.9)
First medical consultation for this complaint	
Yes	214 (49.2)
No	221 (50.8)
Expecting antibiotics preconsultation	
Yes	149 (34.3)
No	45 (10.3)
Unsure	241 (55.4)

with non-acute URTI symptoms. This yielded a total of 435 questionnaires related to patients with symptoms of acute URTI. This sample represents one in four of the 1715 patients with acute URTI who attended this treatment centre from October 2017 to February 2018 and 3.8% of the 11 455 face-to-face consultations for acute URTI at all treatment centres of the OOH service in the region during the same period. Patient characteristics and preconsultation expectation for antibiotic treatment are summarised in table 1.

The majority of the sample were women (60%) and over half (56%) were eligible for free care. The most common age group was under 6 years of age (43%). Two hundred and twenty-one respondents (50.8%) indicated that this was not their first consultation for this illness. The demographic characteristics of the sample and known characteristics of the population attending the OOH facility with acute URTI symptoms are presented in online supplementary material (tables A, B and C)). Compared with the demographic characteristics of the population attending the OOH facility with acute URTI, patients who were eligible for free care were under-represented in the sample (56% vs 74%). The age and gender profile of our sample compared with the OOH facility were similar (see online supplementary material; tables A, B and C). Older people (over the age of 56 years) are poorly represented in our sample, making up only 5.3% of the population studied.

Table 2 Patient expectations for each symptom

Symptom*	Patient expectation						
	Further examination	Information	Reassure	Pain relief	Nose drops	Cough medicine	Referral
Earache (n=64, 14.7%)	39 (60.9)	34 (53.1)	30 (46.9)	43 (67.2)	6 (9.4)	23 (35.9)	0 (0.0)
Sinuses (n=105, 24.1%)	53 (50.5)	56 (53.3)	53 (50.5)	47 (44.8)	14 (13.3)	63 (60.0)	5 (4.8)
Common cold (n=114, 26.2%)	64 (56.1)	54 (47.4)	62 (54.4)	53 (46.5)	10 (8.8)	64 (56.1)	5 (4.4)
Throat Ache (n=202, 46.4%)	104 (51.5)	99 (49.0)	96 (47.5)	115 (56.9)	13 (6.4)	101 (50.0)	8 (4.0)
Cough (n=314, 72.2%)	164 (52.2)	159 (50.6)	161 (51.3)	109 (34.7)	19 (6.1)	195 (62.1)	12 (3.8)
Other (n=169, 38.9%)	104 (61.5)	99 (58.6)	119 (70.4)	59 (34.9)	9 (5.3)	64 (37.9)	8 (4.7)
Overall expectation†	528	501	521	426	71	510	38

Counts (%) presented.

*Represents those who presented with symptom (yes response).

†As many patients presented with multiple symptoms, the count exceeds the number of patients surveyed.

Presenting symptoms

Patients presented with varying symptoms; many of them reported multiple symptoms. Cough was the most common (72%), followed by throat ache (46%). The least common symptoms included earache or discharge (15%) and complaints of nose/sinuses (24.1%). These symptoms are displayed in [table 2](#).

Patient expectations

Patient expectations for each symptom are illustrated in [figure 1](#) and described in [table 2](#). [Table 2](#) also gives the overall expectation for each potential response of the HCP. The most commonly expressed expectations were for further examination (53%), reassurance (51%), information (49%) and medication for cough (47%). Patients least expected to receive nose drops (5%) or a referral to hospital or specialist (3%). Thirty-four per cent (95% CI 30% to 39%) of patients expected to receive an antibiotic, 10% (95% CI 8% to 14%) did not expect to receive an

antibiotic and the majority (55%, 95% CI 50% to 60%) were unsure whether they would need an antibiotic or not ([table 1](#)).

We explored all the differences between expectation of antibiotics by age group, gender, eligibility for free care and whether or not this was the patient's first consultation for this illness. The results are presented in online supplementary table D.

Men were more likely to not expect antibiotics (16%) compared with 7% of women (difference 9%, 95% CI for the difference 3% to 16%, $p=0.002$). While those eligible for free care were more likely to expect antibiotics (38%) compared with those who were not eligible (30%), the difference was not statistically significant (difference 4%, 95% CI for the difference -1% to 17%, $p=0.09$). Patients receiving a subsequent consultation were more likely to expect an antibiotic (37%) compared with 31% receiving their first consultation; however, this difference was not statistically significant (difference 6%, 95% CI for the difference -3% to 15%, $p=0.20$). No significant patterns were observed in the expectation of antibiotics by age group (see online supplementary table D).

Differences between patient expectation, expecting an antibiotic and symptom presented

Patient expectations for each symptom are described in [table 2](#). For each symptom presented, patient expectations of further examination, information or reassurance were similar, with approximately half those who presented with each symptom reporting an expectation to receive these treatments. A large proportion of patients presenting with symptoms of an earache (67%) or cough (65%) reported expecting to receive pain relief. A large proportion of patients presenting with sinusitis (60%) or

Figure 1 Patient overall expectations.

Table 3 Antibiotic expectations of those presenting with different symptoms

Symptoms*	Patients expecting an antibiotic		
	Yes (n=149, 34.3%)	No (n=45, 10.3%)	Unsure (n=241, 55.4%)
Earache or discharge: 64 (15%)	28 (43.8)	6 (9.4)	30 (46.9)
Complaints of nose/sinuses: 105 (24%)	35 (33.3)	10 (9.5)	60 (57.1)
Common cold: 114 (26%)	43 (37.7)	8 (7.0)	63 (55.3)
Throat ache: 202 (46%)	79 (39.1)	12 (5.9)	111 (55.0)
Cough: 314 (72%)	100 (31.8)	31 (9.9)	183 (58.3)
Other: 169 (39%)	44 (26.0)	25 (14.8)	100 (59.2)

Count (%) presented.

*Represents those who presented with symptom (yes response).

cough (62%) symptoms reported expecting to receive cough medication.

Table 3 presents differences in antibiotic expectations. Patients presenting with symptoms of an earache (44%) or throat ache (39%) were most likely to expect antibiotics. The majority of patients across all symptoms were 'unsure' whether they would require antibiotics.

DISCUSSION

Our finding that 34% of those attending an OOH centre with acute URTI symptoms expected to be prescribed antibiotics prior to seeing the doctor is clinically relevant. The international literature over the last 20 years indicates that patient expectation for antibiotics for management of acute URTI varies from 10% (47) to 74%.⁶⁵ In our study, patient expectation for antibiotic treatment ranks third lowest in this literature and second lowest among studies published in the last 10 years. In a qualitative study, Dempsey *et al* reported a recent decrease in demand for antibiotics for acute bronchitis⁵⁸; however, continued significant demand for antibiotics for acute URTI is evident. This is illustrated in online supplementary Table E.

The statistically significant difference in expecting an antibiotic for gender and age whereby men were less likely to expect an antibiotic than women and older people (56+) are more likely to be 'unsure' whether they will need antibiotics or not (70%) may be helpful to the HCP in communicating with the patient regarding the risk-benefit balance of antibiotic treatment for acute URTI. Also, the finding of no difference between those who are entitled to free care (medical card holders) and those who are not, in their expectations of receiving antibiotics, indicates that economic factors (whether or not the patient is paying for the consultation) are not of major importance in antibiotic expectation.

GPs and other primary care doctors are more likely to prescribe antibiotics to patients who expect them or whom they believe expect them.⁴⁵⁻⁵⁹ It has been suggested that 'patient expectations' is an all-encompassing phrase that includes other reasons such as limited time, poor

doctor-patient communication and diagnostic uncertainty.⁴⁵ Therefore, knowing that only 34% of patients attending an OOH service expect an antibiotic for their acute URTI symptoms and that this expectation is not associated with eligibility for free care helps in the clinical decision-making process and allows doctors to concentrate more on the medical need.

Doctors may overestimate the pressure to prescribe antibiotics for acute cough⁶⁰⁻⁶² or other acute respiratory illnesses,⁵⁴ often prescribing antibiotics for patients who did not request them.⁶³ Wong *et al* studying a Chinese primary care population presenting with acute URTI symptoms found that concern about illness severity and obtaining a prescription for symptomatic medications, rather than obtaining a prescription for antibiotics, were the main reasons for patients consulting.⁴⁷ Ong *et al* found, in a study of patients attending an emergency department with acute URTI symptoms, that doctors were only able to identify one in four of those patients who expected antibiotic treatment for their symptoms.⁵⁴ The same study also found that patient satisfaction was not related to receipt of antibiotics but was related to the belief they had a better understanding of their illness.⁵⁴

There is some evidence that patients are less satisfied in general practices that have frugal antibiotic prescribing practices in general.⁶⁶ However, this retrospective study from England with a 36% response rate did not estimate the effect of communication skills. It could be argued that with enhanced communication skills and with the HCP eliciting and addressing the patients concerns, the satisfaction rating for frugal prescribers would be considerably higher.

Several studies have shown that private patients who pay for their consultations,^{47 67 68} as well as those of lower socioeconomic status,^{51 69-72} are more likely to be prescribed antibiotics for acute URTI. Our study showed no association between a patient's eligibility for free care (or paying for their consultation) and expectation of an antibiotic for their acute URTI. Because this eligibility was either due to age (under 6 and over 70 years of age) or income, it is difficult to draw direct conclusions. However,

most importantly and in contrast to earlier studies,^{47 67 68} patient expectation for antibiotics was found to be unrelated to having access to free care.

In a study of non-medical practitioners (NMPs), Courtenay *et al* found reduced levels of satisfaction among patients who expected but did not receive an antibiotic.⁴⁴ This figure indicates that although NMPs appear to have strategies for managing acute URTI consultations, there is still scope for improvement and these prescribers are therefore an important group to involve in antimicrobial stewardship.⁴⁴ Antimicrobial stewardship programmes should continue to expand in the outpatient setting and should emphasise the importance of clear and direct communication between patients and physicians.^{59 73} Patients from our study anticipated further examination, information and symptomatic treatment. These findings closely echo those of recent studies.^{44 47 54} It is important to continue with public health campaigns to educate the public on the ineffectiveness of antibiotics in treatment of acute URTI, which has been shown to reduce public expectation for antibiotics in such cases.⁷⁴

Our sample represented 25% of the 1715 patients with acute URTI who attended the single branch of the OOH facility from October 2017 to February 2018 where all the sampling was conducted. All patients had acute URTI symptoms. Although older people are under-represented, the overall gender profile of those attending at the OOH facility with acute URTI symptoms is broadly similar to those investigated in this study (see online tables A and B in supplementary material), suggesting that our results are representative of those attending at the OOH facility during the study period. However, the proportion of those surveyed who were eligible for free care differed considerably from the overall proportion of those attending at the OOH facility with acute URTI during the study period (56% compared with 74%). It can also be argued that people who decide that their illness is severe enough that they need to see a locum GP in an OOH service in the weekend, evening or late at night and pay at least €55 as a fee for doing so have a much greater motivation for getting an antibiotic prescription. Any other medication that they receive from the GP (eg, analgesia, cough bottles and antipyretics) does not require a prescription. The fact that 2/3 of respondents were unsure of whether they expected to receive an antibiotic or did not expect to receive one is indicative that the message on AMR and the overuse of antibiotics has reached the mindset of those attending an OOH centre.

It is difficult to explain why over 50% of respondents had previously consulted for this particular complaint. We did not ask when this previous consultation had taken place. Repeat consultation rates of between 15% and 20% in children with acute URTI and between 20% and 30% in adults with lower respiratory tract infections (LRTIs) have been described.⁷⁵ Between a half and two-thirds of adults with LRTI who reconsult are prescribed antibiotics, despite little evidence of an infection requiring antibiotics.⁷⁵ However, an important finding from this study

was that no association was identified between whether this was the patient's first or subsequent consultation for the presenting illness and their expectation of being prescribed an antibiotic.

This study contains several strengths. We used a previously validated questionnaire that was adapted and piloted by a multidisciplinary research and clinical team. The research was conducted over four consecutive months which would mitigate the effects of any public health campaigns aimed at reducing antibiotic use at the time. Patients or guardians filling in the short and anonymous questionnaire before the consultation in the waiting room meant that respondents were more likely to be honest in their opinion. The gender profile of our sample is broadly similar to that of the population attending during the study period with acute URTI symptoms, although older people are under-represented. Reception staff received training from the research team and were tasked with identifying and recruiting participants, ensuring that only those with acute URTI symptoms were surveyed. The higher number of private patient respondents helped to ensure that the finding that they do not expect antibiotics is reliable. Previous studies of this subgroup have indicated that they have a higher expectation for antibiotics for acute URTI.

There are also some limitations. Our study surveyed people attending only one urban OOH service. It is possible that those who refused to participate in the survey were more severely ill than those who did and were more likely to look for antibiotics (approximately 5% of those requested, refused to participate). The demographics of those who refused to participate were not studied. As this is a single-centre study, the population studied in this particular OOH service may not reflect those seen in OOH services throughout Ireland and/or the UK.

Another limitation is that ours was not a randomly selected sample. The non-probability nature of our sample means that bias may have been introduced and some groups under-represented.

While every effort was made to ensure that this was a representative sample of those attending with acute URTI, it is possible that the results were skewed as those eligible for free care was slightly lower than the centres overall population. Older people (over the age of 56 years) are poorly represented in our sample. It is possible that the results would have been different if older people were better represented. Reception staff who were not medically trained were charged with the tasks of distributing questionnaires. This is a potential limitation in that they may have not correctly identified (and therefore missed) a cohort of patients who had acute respiratory tract infections. However, the note of the patient's initial presenting symptom to the call centre was available to the reception staff which would have minimised this. The patient's desire for antibiotics was not assessed against the clinician-assessed need for antibiotics. However, the point of the study was to assess overall patient expectation. Severity and duration of the illness was not

assessed which may have affected patient expectation for antibiotics.

CONCLUSIONS

A large proportion of those attending OOH GP service do not have fixed ideas regarding antibiotics and are seeking further assessment, information and reassurance. Most seem to be amenable to not receiving an antibiotic for their illness if their underlying needs are met. This group includes patients eligible for free care as well as those paying for their consultation. Communication and clinical skills of healthcare professionals need to be optimised to ensure reduction in antibiotic prescribing.

Recommendations for further research

The high number of repeat attendances for acute URTI requires further study. A qualitative study of patients attending OOH setting to elicit what their intentions are for attending and their understanding of AMR is also appropriate.

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Contributors ROC conceived the study. AOR, JOD, CMM and ROC were involved in the design of the study. ROC and CMM collected the data. JOD and ROC inputted the data. AON carried out statistical analysis. ROC, CD, AOR and JOD wrote the first draft of the paper. All authors made critical comments on all drafts of the paper, as well as read and approved the final manuscript.

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Data sharing statement Deidentified participant data are available upon request from the principal author Dr Raymond O'Connor for a 6-month time period from publication. Reuse is permitted with the consent of all of the authors. The data sets generated and/or analysed during the current study are not publicly available due to variables that could identify GPs or patients through name of practice and location but are available from the corresponding author on reasonable request.

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