

BMJ Open GP retention in the UK: a worsening crisis. Findings from a cross-sectional survey

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ABSTRACT

Objective To investigate how recent national policy-led workforce interventions are affecting intentions to remain working as a general practitioner (GP).

Design Online questionnaire survey with qualitative and quantitative questions.

Setting and participants All GPs (1697) in Wessex region, an area in England for which previous GP career intention data from 2014 is available.

Results 929 (54.7%) participated. 59.4% reported that morale had reduced over the past two years, and 48.5% said they had brought forward their plans to leave general practice. Intention to leave/retire in the next 2 years increased from 13% in the 2014 survey to 18% in October/November 2017 ($p=0.02$), while intention to continue working for at least the next 5 years dropped from 63.9% to 48.5% ($p<0.0001$). Age, length of service and lower job satisfaction were associated with intention to leave. Work intensity and amount were the most common reasons given for intention to leave sooner than previously planned; 51.0% participants reported working more hours than 2 years previously, predominantly due to increased workload. GPs suggested increased funding, more GPs, better education of the public and expanding non-clinical and support staff as interventions to improve GP retention. National initiatives that aligned with these priorities, such as funding to expand practice nursing were viewed positively, but low numbers of GPs had seen evidence of their roll-out. Conversely, national initiatives that did not align, such as video consulting, were viewed negatively.

Conclusion While recent initiatives may be having an impact on targeted areas, most GPs are experiencing little effect. This may be contributing to further lowering of morale and bringing forward intentions to leave. More urgent action appears to be needed to stem the growing workforce crisis.

INTRODUCTION

The general practice workforce in England has been recognised as being at crisis point for several years.¹⁻³ Despite a government commitment in 2015 to create 5000 additional general practitioner (GP) posts by 2020,⁴ recent figures suggest that a further deficit of 1300 full-time equivalent GPs has developed.⁵ This shortfall reflects a pattern of falling recruitment to GP specialist training⁶

Strengths and limitations of this study

- This is the first survey to report general practitioners' (GPs) views and experience of national initiatives which have been introduced in England to address the workforce crisis in general practice.
- The survey was conducted in the same region as a similar survey in 2014, so allowing some analysis of how views are changing over time.
- The response rate was reasonable for this type of survey.
- The free-text qualitative data added depth to the findings.

and increasing numbers of GPs leaving to work abroad, take career breaks, work part time or retire early.⁷⁻⁹ While recruitment to GP training improved in 2017 with the highest ever number of trainees appointed, concerns over retention remain. Factors that are implicated include intensity of workload, administrative burden, lack of recognition of the value of general practice and fear of litigation.^{6 8 10-13} Moving towards an increasingly mixed workforce using allied health professionals has been proposed,¹⁴ although it has been suggested that unintended consequences may be reduced continuity of care, substitution rather than supplementation and increased costs.¹⁵

In 2014, a survey of the GP workforce in Wessex (a region in the South of England with a population of 2.1 million) completed by 1398 participants found that 14% were planning to retire in the next 2 years, a further 4% were planning a career change and 20% were planning to retire earlier than planned¹⁶ (box 1).

This pattern is similar to that reported in other surveys that also found high rates of intention to leave practice in the next 5 years; namely, the West Midlands (41%)⁸ and South West of England (37%).⁷ Low morale appears to be the primary driver to intention to quit⁷ with underlying factors related to workload



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Box 1 Wessex LMC Survey 2014: key findings¹⁶

A total of 1398 GPs responded: 77.4% practice partners, 14.0% salaried GPs 8.6% locum GPs.

Intention to retire: 31.8% planned to retire/leave general practice within 5 years.

Intention to change hours worked: 69.3% wanted to stay the same, 2.7% wanted to increase, 21.5% wanted to decrease and 6.5% wanted to take on other work.

volume and intensity⁸, concerns regarding fear and risk, uncertainty and feeling undervalued.¹⁰

This study was undertaken in Wessex to explore how attitudes and intentions have changed in light of new national policy-led initiatives⁴ to improve the workforce situation for GPs, and to gain views about what is needed to improve the current workforce situation.

METHODS

A questionnaire including qualitative and free-text elements was designed incorporating questions asked in the initial Wessex survey¹⁶ relating to future intentions regarding GP work, intention to retire and reasons for those planning early retirement. It included demographic questions relating to the age, sex, and employment and training history with questions were added to explore reasons for intended change in hours worked, job satisfaction and morale, and experience of recent local and national initiatives designed to improve GP retention and workload. Most questions had tick box answers for ease of completion. In addition, there were some open questions to encourage free-text expression of views. The survey (see online supplementary file 1) was piloted for comprehensibility with GPs working outside the area.

As the Health Education England regional appraisal team has the most complete list of GPs who are registered to practise in the area, they agreed to use their database to send an invitation to participate to all eligible GPs. This did not include training grade GPs, but included retired GPs who have chosen to retain a licence to practise. The invitations were sent by email and included an online link to the questionnaire which was held on Survey Monkey. Two reminders were sent at 2–3 weekly intervals in October and November 2017.

Due to privacy restrictions, we were unable to access the original data from the 2014 survey and so were limited to using publicly information¹ for making comparisons with data from the current survey.

Qualitative analysis

Included in the survey were two open questions; 'What is the greatest problem within general practice at the current time' and 'What intervention would help general practice the most?'. The free-text comments were imported into NVivo V.11 and analysed with a thematic approach.¹⁷ Following a period of familiarisation, TS and TH developed an initial coding framework by coding

a subset of 100 of the comments independently. This was reviewed by the full research team, and the agreed coding framework was then applied to the free-text data. The higher order categories were linked to the quantitative analysis in order to supplement and expand the interpretation of the data, and illustrative quotes were selected.

Quantitative analysis

Basic descriptive statistics were used to characterise the survey population and compare it to Health Education England data.⁵ Binary logistic regression analysis was employed to identify predictors of GPs' intentions to retire within 5 years using a range of covariates, which were entered into the model simultaneously; gender, age, hours of work, role, length of service, job satisfaction.

Participants were provided with an information sheet outlining the study and were informed that completion of the online questionnaire would be taken as consent to participate.

Patient and public involvement

Patient and public involvement was not included in this study. The research question, although important to patients and the public, was focused on professional and health service priorities and experiences.

RESULTS**Participants**

The survey was distributed by email to the 1697 GPs listed as working in Wessex, leading to 929 (54.7%) respondents. Of these, 509 (54.8%) were female, the modal age was 45–55 years (n=253, 32.9%) and most had been trained in the UK (93.0%). When compared with National Health Service (NHS) demographic data for all GPs in Wessex, there was no difference in gender balance, but there was a difference in age distribution, with our survey having an over-representation of older GPs (28.4% aged greater than 55 years compared with 20.1% in the NHS data; $\chi^2=20.6$, $p<0.001$).

When compared with the 2014 survey respondents, the current survey included more older GPs (28.4% aged greater than 55 years, compared with 23.7% previously) and more who were working in non-principal roles (41.5% compare to 22.6% previously), see [table 1](#).

Nearly half of the respondents had spent over 20 years in general practice; one-third reported working over 41 hours per week; and nearly two-thirds reported having at least one additional employed role in addition to their NHS GP clinical responsibilities.

The two open questions had high completion rates (n=807, 86.9%; n=819, 88.2%, respectively), and the answers together provided a dataset of 29 679 free-text words; individual responses ranging from 1 to 340 words (mean=18).

Table 1 Demographics of 2017 survey compared with 2014 survey¹⁶

	2017 (%)	2014 (%)
Age		
25–34	64 (8.3)	117 (8.5)
35–44	233 (30.3)	398 (29.0)
45–54	253 (32.9)	533 (38.8)
55–64	204 (26.6)	313 (22.8)
65+	14 (1.8)	13 (0.9)
Missing	161	24
$\chi^2=11.9, p<0.02$		
Role		
General practice principal	531 (58.5)	1082 (77.4)
Salaried GP	218 (24.0)	196 (14.0)
Locum GP	141 (15.6)	120 (8.6)
Out of hours GP	17 (1.9)	–
Missing	22	–
$\chi^2=82.3, p<0.0001$		

Changes in work volume, intensity and morale

Respondents reported working an average of 29.6 hours a week (range 1–66) of which an average of 20.1 hours (range 2–59) were in direct contact with patients. As shown in [table 2](#), the number of hours worked varied by employment status, with almost half of GP principals working 41 hours or more per week, while the most salaried GPs worked fewer than 30 hours per week and the majority of locum GPs worked fewer than 20 hours.

Comparing current workload with 2 years previously, 51.0% (470) reported working longer hours with almost all (94.4%; 423) giving increased workload as the predominant reason; 26.6% had reduced their hours of work, with most (72.3%; 172) stating this was due to increasing intensity of workload and for many (29.8%; 71) it was related to stress and mental health. This contrasts with the intentions stated in the previous survey where 21.5% of GPs wished to reduce their hours worked and only 2.7% wished to increase.

Morale was reported as having reduced over the past 2 years for 59.4% (510) of respondents and increased for

Table 2 Hours worked in general practice (GP) according to employment status

Hours worked	GP principal (%)	Salaried GP (%)	Locum GP (%)	Out of hours GP (%)
Up to 10	3 (0.6)	10 (4.7)	32 (25.8)	4 (57.1)
11–20	12 (2.3)	43 (20.4)	37 (29.8)	3 (42.9)
21–30	82 (15.6)	68 (32.2)	35 (28.2)	0 (0.0)
31–40	179 (34.0)	57 (27.0)	14 (11.3)	0 (0.0)
41 or more	250 (47.5)	33 (15.6)	6 (4.8)	0 (0.0)

Table 3 Length of time to when general practice intended leave/retire from general practice

	2014	2017
Less than 1 year	93 (6.7)	72 (8.4)
1–2 years	92 (6.7)	84 (9.8)
2–5 years	254 (18.4)	205 (23.9)
5+ years	883 (63.9)	416 (48.5)
Unsure/other	59 (4.3)	81 (9.4)
$\chi^2=37.2, p<0.0001$		

14.1% (121). In total, 28.9% (247) now reported having positive morale and 42.7% (365) negative morale.

Intention to leave GP

When asked to think about their career plans compared with 2 years ago, 409 (48.5%) said they had brought forward their plans to leave GP, with just 47 (5.6%) planning to remain longer. Intention to leave/retire in the next 2 years has increased from 13% in 2014 to 18% ($p=0.02$), while 63.9% reported an intention to continue working for at least the next 5 years in 2014 compared with only 48.5% in 2017 ($p<0.0001$) (see [table 3](#)).

Binary logistic regression of GPs planning to retire or leave GP (see online supplementary file 2) identified those aged between 55–59 years and 60–64 years were much more likely to express an intention to leave, when compared with those aged 25–34 (OR 7.98; 95% CI 2.6 to 24.1; $p<0.001$, OR 7.1; 95% CI 1.7 to 30.0; $p<0.01$, respectively). Likewise, those who have served 20–29 years in GP were more likely to express an intention to leave when compared with those with less than 5 years of service (OR 3.3; 95% CI 1.3 to 8.3; $p<0.05$). Lower job satisfaction over the past 2 years was also significantly associated with intention to leave (OR 4.2; 95% CI 2.3 to 7.6; $p<0.001$).

A further regression, controlling for age and gender (see online supplementary file 2), showed that there was a modest association between having reduced working hours over the past 2 years and an intention to leave GP completely (OR 1.595; 95% CI 1.062 to 2.397, $p<0.05$).

Respondents were asked to rate on a Likert scale (1=not important, 5=very important) factors that might be contributing to their intention to leave GP ([table 4](#)). Intensity of workload had the greatest influence (mean=4.4) followed closely by volume of workload (mean=4.3) and too much time spent on unimportant tasks (mean=4.0). Lack of patient contact, potential introduction of a 7-day working week and reduced job satisfaction also scored a mean >3. Personal factors of note were age (mean=3.5), medical indemnity payments (3.4) and increased risk of litigation (3.0). They were also asked to rate factors that might help retain them in GP ([table 4](#)), again confirming the importance of addressing the volume and intensity of workload.

Table 4 Factors influencing intention to leave or remain working in general practice (GP)

Factors influencing decision to leave GP (1=not important to 5=very important)				Factors that might retain GPs in practice (1=not important to 5=very important)			
	N	Mean	SD		N	Mean	SD
Intensity of workload	113	4.4	1.0	Reduced intensity of workload	109	4.1	1.4
Volume of workload	114	4.3	1.0	Longer appointment times/more time to spend with patients	109	4.0	1.4
Too much time spent on unimportant tasks	113	4.0	1.2	Reduced volume of workload	110	3.9	1.4
Lack of time for patient contact	113	3.8	1.2	Less administration	108	3.9	1.4
Potential introduction of 7 days a week working	113	3.8	1.4	No out of hours commitments	109	3.6	1.6
Reduced job satisfaction	110	3.6	1.3	Incentive payment	108	3.5	1.5
Poor flexibility of hours	108	2.8	1.4	Protected time for education and training	107	3.3	1.4
Revalidation	112	2.6	1.5	More flexible working conditions	106	3.2	1.5
				Greater clinical autonomy	107	3.0	1.5
Age	113	3.5	1.3	Increased pay	107	2.9	1.4
Medical indemnity payments	113	3.4	1.4	Improved skill mix in the practice	106	2.8	1.4
Increased risk of litigation	111	3.0	1.5	Additional annual leave	107	2.8	1.5
Changes to pension taxation	112	2.7	1.5	Shorter practice opening times	108	2.7	1.5
Family commitments	111	2.6	1.2	Opportunity for a sabbatical	107	2.6	1.5
Ill health	109	1.8	1.2	Introduction of 'Twenty Plus'	106	2.3	1.3
Embarking on career outside general practice	109	1.6	0.98	Expansion of GP retainer scheme	105	2.1	1.4
Planned career break	107	1.4	0.89	Extended interests; for example, Clinical Commissioning Group (CCG) role	106	2.0	1.3
				Reintroduction of the flexible careers scheme	105	2.0	1.2
				Option to work term time only	105	1.6	1.1

Current challenges to general practice

Analysis of the responses to the open question 'What is the greatest problem within general practice at the current time?' yielded five key themes: increasing demands, expectations and complexity of patients; workload; GP recruitment and retention; inadequate funding; and bureaucratic and administrative burden.

Increasing demands, expectations and complexity of patients

40.7% (n=333) expressed a view that the increasing demands and complexity of patients are one of the greatest problems facing general practice. Participants highlighted how there are insufficient numbers of GPs or sufficient health service resources to meet this rise in expectations and demands. Several felt that the increase in demands and expectations has been driven by the media and government.

Increasing patient demands with limited time & resources to manage this (ID 403)

Unrealistic patient expectations fuelled by politicians and media (ID 814)

Demands and expectations are rising at the same time as life expectancy, chronic health conditions and multimorbidity. Therefore, many patients require more input from their GP.

Patients demands are more difficult and complex due to people living longer with more chronic diseases for example, Diabetes, COPD, CHD, Renal failure, Dementia, Mental health problems, hypertension and many more (ID 510)

Workload

The high volume and intensity of work was highlighted by many (32.0%, n=262), and described as 'ever-increasing' and 'unsustainable' leading to stress and exhaustion.

Hugely stressed and exhausted workforce working at or above maximum capacity both individually and as workplace units (ID 556)

GP recruitment and retention

30.2% (n=247) highlighted about difficulties that included recruiting experienced GPs to fill vacant posts,

attracting doctors into GP training and encouraging GPs to become partners. These workforce issues have been compounded by GPs retiring, reducing their hours or taking on alternative duties such as working with Clinical Commissioning Groups (CCGs).

...awful recruitment. Most GPs can't see a good future for their practice - it should be one of the best jobs there is (ID 415)

Inadequate funding

Inadequate funding was highlighted by 19.66% (n=161). Participants described not being able to properly fund the services and staff to meet patient's needs. Several also stated that the financial rewards involved in general practice were not keeping up with the increasing complexity, workload and risk involved with the job.

I feel that there is not enough money available to provide the services that patient require and deserve (ID 511)

At the same time as the complexity, intensity and perceived risk of continuing to work is increasing there is little or financial or other reward to offset it (ID 819)

Bureaucratic and administrative burden

Participants described how additional bureaucratic and administrative tasks take time away from looking after patients and performing their clinical role, further adding to their workload. This includes time meeting the requirements imposed on them by regulatory and commissioning organisations, as well as the duties and paperwork that need to be completed for quality payments, appraisals and hospital colleagues.

Excessive bureaucracy that is, CQC, CCG, NHS England, appraisal. We are grossly over managed, this prevents us seeing patients or developing services for our patients and employs an army of managers (some clinical) (ID 902)

Suggestions for improving general practice

Responses to the open question 'What intervention would help general practice the most?' revealed eight themes. The number of respondents with answers that included each theme is shown in [table 5](#).

Greater funding

Increasing funding for general practice was viewed as the most important requirement. Many participants felt that other problems, such as the lack of GPs and meeting patients' expectations, could only be tackled with greater funding.

It's all money. More money to pay extra GPs and pay GPs more to attract good doctors and retain the drs once trained (ID 220)

Table 5 Interventions that were suggested by respondents as being most relevant to improving general practice

Improvement measure	No of respondents	Percentage of respondents (%)
Greater funding	225	27.9
More GPs	184	22.8
Educate patients and the public	107	13.3
Increase clinical and support staff	92	11.4
Reduce bureaucracy and administration	91	11.3
More time per patient	65	8.2
Reduced workload	56	6.9
Protection from financial risk	48	6.0
Enhanced reputation	44	5.5

More GPs

Increasing the number of GPs would lead to both better patient care and an improved work-life balance. The current imbalance was seen as creating a self-perpetuating cycle where fewer GPs means more workload for each remaining GP, so making the profession less popular for new entrants.

'One young GP would stabilise my practice and reduce the risk of closure' (ID 461)

Educate patients and the public

To reduce excessive demands and expectations, patients should be made aware of the costs and limitations of primary care. There should also be increased health education for patients so that they can better self-manage their own health. However, it was not clear how such interventions should be delivered.

Patient education for self limiting illness Patient education to reduce expectation Patient education to reduce chronic disease. (ID 81)

Increase clinical and support staff

As well as more GPs, an increase in non-medical clinical and support staff was highlighted as essential. Several participants expressed the view that an expanded role for these staff would allow GPs to focus on more complex medical issues which they are trained to deal with.

Funding for ancillary staff to see more of the routine stuff enable GPs to do chronic disease management, EOL (end of life) and complexity that they deal with best (ID 444)

Reduce bureaucracy and administration

Spending less time on administrative tasks and more time on their clinical role would allow patient care and job satisfaction to improve. It was felt that this could also be achieved quickly compared with the time needed to train and recruit new GPs.

Reduction in administration—we can't do anything about patient demand, other than train more GPs, which takes a great deal of time. A third of my time is spent on administration, a lot of which is reading through unnecessarily duplicated reports and results, extraneous information from hospitals, or acting as a secretary with a prescribing licence for hospital colleagues. (ID 669)

More time per patient

Longer appointments are needed to address the complex needs of patients, but it was recognised that this might have the perverse consequence of increasing hours of work and/or reducing salary.

...ability to have longer appointments to provide proper holistic care (ID 384).

...Increase consultation length without increasing working hours or reduced remuneration (ID 106).

Protection from financial risk

Many participants felt that a big detraction from working as a GP was the financial risk involved and the cost of covering that risk in indemnity fees. It was felt that this affected the extent to which doctors choose to work in general practice, and forces others to retire or reduce their hours. This was seen as something that the NHS should address.

Government or CCG paying our indemnity. This would then allow GPs to work more sessions without a negative financial return. Salaried GPs could also

be better paid as a result. If our indemnity is not covered by some outside body in the next few years general practice will completely collapse as, even in its current state, it is unaffordable. Year on year rises of 15%–20% are not sustainable (ID 193)

Enhanced reputation of general practice

Several participants mentioned that improving the image of general practice was vital to address the problems that it faced.

Improved public image thereby improving recruitment (ID802)

Substantial boost to go finance and boost to perception of GP's at medical school (ID225).

Positivity towards, awareness and experience of national workforce initiatives

Respondents were asked to rate whether they thought about the nationally led initiatives that had been recently introduced to address workforce issues in general practice, specifically whether the initiatives would have a positive, negative or no impact. A net rating was calculated by subtracting the percentage who rated the initiative as negative from the percentage who rated it as a positive. As shown in [table 6](#), investment in practice nursing, improved access to specialist advice, investment in technology and expansion of the GP workforce were viewed most favourably, with greater than 75% net rating scores. Conversely, the wider use of physician associates (PAs), local sustainability and transformation plans (STPs), and

Table 6 Net rating (positivity), awareness of and experience of initiatives intended to address workforce issues in general practice

Initiative	Net rating of initiative (%)	Awareness of initiative	Experience of initiative
Investment in practice nursing	+91.3	39.7% (288)	19.2% (104)
Closer working with specialists; for example, phone and email advice lines	+85.3	73.3% (537)	55.1% (343)
Investment in technology	+85.3	52.2% (375)	30.9% (170)
Expansion of GP workforce	+76.1	81.7% (612)	15.0% (94)
Streamlining CQC, reduced inspection for good and outstanding practices	+73.1	51.4% (375)	17.6% (98)
Investment in primary care infrastructure	+70.3	45.0% (318)	20.0% (105)
Releasing time for patients	+60.6	26.4% (193)	13.1% (62)
Increased use of pharmacists	+56.2	96.9% (738)	56.1% (404)
Paramedics in primary care	+44.5	86.4% (652)	34.9% (239)
Practice resilience programme	+41.2	57.3% (415)	27.8% (153)
Multispecialty community provider projects	+25.3	53.5% (382)	27.0% (143)
Federation of GP practices	+19.3	92.7% (707)	53.7% (369)
Better care fund	+13.2	37.6% (278)	26.8% (130)
Physicians associates	−0.2	78.5% (589)	8.1% (54)
Local sustainability and transformation plans	−21.3	80.7% (606)	42.2% (268)
Video and e-consultations	−26.6	80.4% (597)	33.4% (233)

CQC, Care Quality Commission.

Table 7 Correlation between age and positivity towards scheme

Initiative	r	P value
Federation of GP practices	-0.151	<0.001*
Local sustainability and transformation plans	-0.060	0.151
Increased use of pharmacists	-0.088	0.024*
Physicians associates	0.136	0.001*
Paramedics in primary care	-0.089	0.029*
Better care fund	0.007	0.884
Expansion of GP workforce	-0.012	0.782
Video and e-consultations	0.071	0.087
Releasing time for patients	-0.108	0.032*
Practice resilience programme	-0.070	0.129
Streamlining CQC, reduced inspection for good and outstanding practices	0.000	0.992
Investment in practice nursing	-0.006	0.899
Closer working with specialists; for example, phone and email advice lines	-0.072	0.084
Investment in technology	-0.079	0.082
Investment in primary care infrastructure	-0.024	0.599
Multispecialty community provider projects	-0.095	0.040*

*P<0.05, r: Spearman's rank correlation coefficient. r>0 denotes positivity increasing with age; r<0 denotes positivity decreasing with increasing age. GP, general practice; CQC, Care Quality Commission.

video and e-consultations were rated negatively. There were mixed levels of awareness about the various national workforce initiatives being implemented, and with few exceptions (closing working with specialists, increased use of pharmacists, involvement in GP federations) the majority of respondents lacked direct experience of them (table 6).

Age emerged as having a small, but statistically significant correlation with attitude towards several individual initiatives (table 7). For example, younger GPs were more likely to be positive about federations, but were less positive in their views of PA. However, the attitudes towards most of the initiatives were very similar across all age groups.

Having had experience of an initiative was associated with a more positive attitude score towards it. The differences in mean scores were modest, but for seven of the initiatives, the difference was statistically significant (table 8).

One hundred and ninety GPs gave free-text comments to explain their views. The most widely stated theme was that there were too many initiatives, of which little or no benefit was being seen on the ground.

There are too many initiatives. GPs just need to be left alone to get on with the job with adequate funding.

These initiatives cost money which comes out of GP budgets ID 925

Many of these ideas are great on paper but little evidence of impact at the coalface ID 826

Many felt that these initiatives were a distraction from the need for significant investment in general practice and tackling key issues affecting the workforce.

The only thing that will make any real improvement in care is investment in proper well-trained GPs continuing to be the centre of patient care in primary care alongside practice nurses with a proper career structure and practice pharmacists. All the other initiatives are just tinkering at the edges - smokescreens to try to take the heat off the central issue of lack of investment in General Practitioners ID 688

An additional theme suggested that some initiatives could be further undermining GP morale.

I object to the term 'resilience' and any resources invested into it. We should be focusing all our intentions on making the job better rather than coaching GPs to be more robust against the stress. The very term makes it sound to me like it is somehow the GPs fault in the first place for not coping with the stains and demands of the job. ID 569

DISCUSSION

A worsening situation

This survey describes a picture of increasing workload, falling morale and an accelerating workforce crisis. Since the initial survey in 2014,¹⁶ GPs' stated intention to retire in the next 2 years has increased significantly with 48.5% of respondents to the current survey stating that they planned to leave working in GP sooner than they had expected 2 years ago. A majority reported an increase in hours of work since the previous survey, reflecting increasing workload, despite only 2.7% having expressed a wish to increase hours in the previous survey. Almost all (97.5%) were experiencing increasing appointment numbers to meet patient demand and 69.0% to manage patient complexity. The number of GPs planning a reduction in clinical hours has also increased. Many GPs are working over 40 hours a week and some up to 70, and most reported a reduction in morale and job satisfaction. In general, GP principals reported working substantially longer hours than salaried GPs or locums. These findings are in line with national findings of increasing consultation rates, length and clinical workload.¹⁸

The reasons given for intending to leave are similar to those described in earlier surveys.^{7 8 10-13 19} Workload remains the dominant driver to leave. Respondents who described having recently reduced their hours of work were more likely to express an intention to leave than others, suggesting intentions are affected by the nature and intensity of the work, together with other factors such

Table 8 Comparison between previous experience of initiative and attitude to initiative

Initiative	Previous experience of initiative	Mean score (1=negative, 3=positive)	t	P value
Federation of general practice (GP) practices	Yes	2.34	5.27	<0.01*
	No	2.01		
Local sustainability and transformation plans	Yes	1.87	2.30	0.02*
	No	1.73		
Increased use of pharmacists	Yes	2.59	1.11	0.27
	No	2.53		
Physicians associates	Yes	2.16	1.49	0.14
	No	1.98		
Paramedics in primary care	Yes	2.71	7.48	<0.01*
	No	2.30		
Better care fund	Yes	2.11	-1.04	0.30
	No	2.19		
Expansion of GP workforce	Yes	2.76	0.08	0.94
	No	2.76		
Video and e-consultations	Yes	2.06	7.35	<0.01*
	No	1.56		
Releasing time for patients	Yes	2.79	3.19	<0.01*
	No	2.57		
Practice resilience programme	Yes	2.43	0.34	0.74
	No	2.41		
Streamlining CQC, reduced inspection for good and outstanding practices	Yes	2.75	0.47	0.64
	No	2.72		
Investment in practice nursing	Yes	2.94	1.07	0.28
	No	2.91		
Closer working with specialists, for example, phone and email advice lines	Yes	2.90	2.79	<0.01*
	No	2.80		
Investment in technology	Yes	2.80	2.86	<0.01*
	No	2.65		
Investment in primary care infrastructure	Yes	2.84	1.19	0.24
	No	2.78		
Multispecialty community provider projects	Yes	2.36	1.79	0.07
	No	2.22		

*p<0.05.

CQC, Care Quality Commission.

as morale and job satisfaction, rather than by the number of hours alone. Given that one of the main reasons why doctors choose careers in GP is in order to have a better work-life balance,²⁰ this increasing workload may result in disillusionment, low morale and be contributing to the increasing number of GPs choosing to work as non-principals and working fewer sessions from early in their careers.⁹

The survey was commissioned in part to discover whether the findings in Dale *et al*²¹ about the negative impact of appraisal and revalidation on the retention of GPs in the West Midlands was replicated in Wessex. The

Appraisal Service is unique in NHS England in being directly commissioned from an educationally based provider and has a conscious ethos of trying to facilitate appraisals with a strong emphasis on the support of the individual doctor. Although revalidation was reported as a minor factor in the intention to leave clinical work, appraisal itself did not emerge as a demonstrable factor.

The study identified that GPs vary in their enthusiasm for, awareness of, and experience of, national initiatives that are aimed at addressing workforce issues. Investment in practice nursing, closer working with specialists (eg, phone and email advice lines), investment in technology

and expansion of the GP workforce were the initiatives that were viewed as being likely to have greatest positive impact. However, there was a widespread view that there were too many initiatives and that these were often complex to access; they would prefer for the investment to go directly to practices to decide how best to support their working practices. Despite this, the response to individual initiatives is mostly positive, with the exception of PAs, video and e-consultations and STPs. GPs who had experience of an initiative tended to view it more positively than others, suggesting that familiarity may lead to GPs becoming more aware of, and perhaps less sceptical, of their potential benefits.

The negative response to PAs is somewhat surprising in the context of the positive responses to increased numbers of nurses, pharmacists and paramedics working in primary care. PA training programmes are becoming increasingly in number across the NHS, and hence there may be a need to manage expectations for this workforce, as previously described²² despite evidence to suggest they are well received by patients.^{23 24} The Roland report¹⁴ viewed multidisciplinary as one of the key solutions to sustaining primary care, though concerns have been raised about loss of continuity of care¹⁶ and resultant reduction in patient satisfaction.²⁵ Future GP roles within increasingly diverse teams may need redefining and there has been interest in alternative models of care,²⁶ such as the Nuka system in Alaska.²⁷

The strongest negative response was to STPs. Considering these are the main vehicle by which the 5-year forward plan for GP is being driven and support closer working between health and social care,²⁸ that so many GPs believe they may make things worse is of concern. Further research in this area would be beneficial to understanding why many GPs lack confidence in this area, and what may be needed to promote greater positivity.

While investment in technology was positively received, e-consulting and video consulting were perceived negatively. Pilot studies have suggested that e-consulting may increase workload and costs as well as reducing patient satisfaction.²⁹⁻³¹

Expansion of the general practice workforce remains a high priority to GPs. This has been recognised as an issue at governmental level, however, the response of increasing medical student numbers will not start to impact until 2028 at the earliest.³² An International GP recruitment programme has been set up,³³ initially targeting GPs from the European Economic Area; however, there are concerns that uncertainties surrounding Brexit have impact on its success, and may result in EEA GPs currently working in the UK returning home.³⁴

Perhaps the most interesting aspect of the survey was GPs' views on what would improve general practice. More funding was the strongest theme, particularly for increasing the size of the workforce, both of GPs and other health professionals. This would enable a more manageable and sustainable workload, including longer appointments, so helping to reduce the risk of burn-out.³⁵

Increasing financial demands including rising indemnity payments were also of concern, and there was enthusiasm for a national indemnity scheme. Reducing bureaucracy was identified, but less strongly than in previous surveys,⁹ possibly reflecting the reduction in incentive-related workstreams, the clinical value of which is now questioned.³⁶ It is possible that the negative response to STPs relates to increased perceived bureaucracy. A number of innovative, more strategic suggestions emerged which may be worthy of further consideration.

Strengths and limitations

This study provides further evidence of the unfolding GP workforce crisis in England. A particular strength is that it demonstrates how attitudes are changing over recent years. However, the extent to which the findings could be compared with the earlier survey was limited due to privacy restrictions. There were some differences in characteristics between the two surveys (eg, respondents to the current survey were slightly older and were less likely to be GP principals) which need to be considered when interpreting comparisons. However, the difference in age profile was insufficient to account for the shift towards seeking earlier retirement.

The survey's focus on how the crisis might be addressed is a strength, with the study providing evidence of the impact that national initiatives are felt to be having. The response rate was good for this type of survey; the questionnaire was quite lengthy and there was no incentive to support participation. The extent to which participants wrote free-text comments reflects the importance placed on this topic by GPs and added significant depth to the findings. However, it is likely that those who feel most strongly about their workloads either might have selectively responded to the questionnaire, or alternatively felt too busy and stressed to add completing a survey to their workload. Though this is inevitable with this sort of study, it is a limitation in terms of drawing conclusions from the quantitative findings. While the findings are limited to a single region in England, they are reflective of views that have been expressed in other recent GP surveys and so are likely to have applicability across the NHS.

CONCLUSION

The role of the GP has changed significantly and rapidly over the past 20 years and initiatives to manage these changes have often been short-lived and reactive in approach, without sufficient evidence to support them or engagement with grass roots GPs. Perhaps now is the time to reflect more broadly on what the practice of future GPs will encompass and how a new generation of GPs can be trained to prepare for this. New models of care and the relationships and roles of different healthcare professionals need to be considered. The debate needs to include the public; what do they want from a primary care system and what can be afforded without substantially more funding. Given the scale of the crisis, increased

funding needs to be directed to ensure the effects are widely experienced across front-line general practice. Without fundamental change, it is hard to foresee the current workforce decline reversing.

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