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**Title page**

**General practice is “different”: qualitative study of adaptation experiences of East  
Staffordshire general practice specialty trainees**

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17 **General practice is “different”: qualitative study of adaptation experiences of East**  
18 **Staffordshire general practice specialty trainees**

19 **Abstract**

20 *Background:* Undergraduate medical education and foundation training are still largely hospital  
21 based. General practice trainees, also spend nearly half of their specialty training in hospitals.

22 *Aims:* To explore adaptation experiences of general practice specialty trainees throughout  
23 training. *Method:* Semi-structured participant observer interviews with 18 purposively selected  
24 trainees on the East Staffordshire vocational training scheme, observation, stakeholder  
25 discussions and concurrent inductive thematic analysis. *Results:* Undergraduate and early general  
26 practice experience during specialty training, general practice trainer role modelling and  
27 mastering core general practice skills, facilitated transition. An inclusive and supportive general  
28 practice environment, facilitating engagement with a community of practice involving peers,  
29 general practice trainers and vocational training programme fostered belongingness. A reduced  
30 sense of belongingness during hospital rotations impacted on training and work. Building  
31 bridging social connections, personal agency initiatives to bring general practice relevance into  
32 hospital training, sign posting to general practice relevant duties and mastery of secondary care  
33 relevant competencies helped gain belongingness in hospital. While some international graduates  
34 required assistance in specific areas; overall, general practice trainees had optimistic views of  
35 their future. *Conclusion:* The main contribution of this study was to relate the adaptation  
36 experiences of trainees to learning and practice based on Wenger’s communities of practice to  
37 enable a better understanding of how they can be influenced to enhance training.

38 **Keywords:** General Practice Training, Transition, Belongingness, Community of Practice

## 39 **Background**

40 A large proportion of undergraduate [1], as well as postgraduate foundation training still occurs  
41 in secondary care despite an increasing emphasis on primary care based training. Plans are  
42 underway to increase general practice specialty trainee time spent in general practice under the  
43 new GP contract [2]. There is a significant paradigm shift in adapting hospital dominated  
44 training to general practice (GP); which is an academic and scientific discipline, with its own  
45 educational content, research, evidence base and clinical activity [3–5]. The different stages of  
46 transition from medical student to independent medical practitioner have been extensively  
47 investigated [6–11] and a few studies explore general practice specialty trainee (GPST)  
48 experiences of transition into general practice training [12–18].

49 Having invested in the discipline of general practice; GPSTs spend nearly half of their training in  
50 hospital-based settings where GPST learning needs are sometimes viewed as of secondary  
51 importance to core medical training [19–22]. Little is known about how trainees adapt and move  
52 forward with their training in this context.

53 Wenger defines communities of practice as groups of people who share a concern or passion for  
54 something they do and learn how to do it better as they interact regularly.[23]. In our study  
55 GPSTs, GP trainers, senior GP colleagues and peers formed a community of practitioners  
56 sharing the domain of GP. Wengers social theory of learning - communities of practice helps  
57 understand how learning is linked to meaning making, negotiating identity as a participant in the  
58 community of practice (CoP), gaining competence in the practices relevant to the CoP and  
59 developing belongingness within the community [24].

60 This paper focuses on GPST experiences of adaptation to general practice and is part of a wider  
61 study looking at different aspects of GP specialty training [25]. We posed the research question  
62 ‘what are the expressed adaptation experiences of general practice specialty trainees throughout  
63 training?’. Our findings provide insight into how trainee experiences of adaptation relate to  
64 learning and practice, and are relevant in the context of current challenges to GP workforce  
65 recruitment, retention and a shift towards new ways of working and collaborating across  
66 community and hospitals.

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80 **Methods**

81 The East Staffordshire VTS currently comprises of six, four-month posts over the first two years  
82 with first GP post in the first year. There was some movement in and out of the VTS during the  
83 study period from July to December 2019 but at the start of data collection there were  
84 approximately 58 trainees attached to the VTS. There were 28 female trainees and 40 of the 58  
85 trainees were international medical graduates.

86 The principal investigator was a Sri Lankan GP trainee and an undergraduate family medicine  
87 teacher in Sri Lanka. Through participation in VTS educational activities and informal  
88 interactions with trainees the PI gradually moved to a space between insider and outsider [26].  
89 This made the recruitment process and flow of information easier generating rich contextual  
90 descriptions. Information shared by the participants in a trusting context, was handled in a  
91 respectful and ethical manner [26,27]. The supervisor of the study was a UK GP trainer and did  
92 not participate in interviews however, her analysis of the anonymised data added an insider  
93 perspective to interpretation of the data. Researchers were careful to maintain a reflexive stance  
94 throughout the study in an effort to minimise the potential impact that their own general practice  
95 background and experience could have on shaping the analysis of data. Knowledge was co  
96 constructed through the double lenses of researchers and participants [27]. Purposive sampling  
97 was used to capture a diverse range of experiences with respect to characteristics such as gender,  
98 stage of training and country of primary medical qualification. GPSTs were informed about the  
99 nature of the study during group events and recruited through word of mouth and email.

100 Individual participants gave written informed consent.

101 A topic guide was developed to explore GP training experiences based on literature review,  
102 discussion among researchers and pilot interviews with two non-participating general  
103 practitioners. Face to face interviews were conducted, audio recorded and transcribed verbatim  
104 by the principal investigator till the point of data saturation.

105 Data from interviews and field notes were open coded concurrent to data collection using  
106 constant comparison and inductive thematic analysis with the principal investigator and  
107 supervisor working independently but in constant discussion [28]. The field notes on  
108 observations helped to provide contextual information and there was convergence between data  
109 from interviews and field notes. Data were triangulated through observation, and informal  
110 discussions with trainees, trainers and TPDs [29]. During the second stage of analysis initial  
111 codes were interpreted with reference to the scientific literature and the two investigators  
112 identified patterns related to concepts of Lave and Wenger's work on communities of practice  
113 within the data [24,30] . These and other evolving themes were explored in-depth during further  
114 data collection. We were able to map all codes from interviews to the sensitising concepts of  
115 meaning, identity, belonging, practice and legitimate peripheral participation in CoP which  
116 helped to interpret, organise and provide a wider understanding of the findings [31]. The coding  
117 process and development of themes is presented in table 1.

118 Findings were presented to participants for member checking and some participants requested  
119 clarifications on some terms. None of the participants disagreed with the interpretations.

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122 Table 1. The coding process and development of key themes

Open coding	Subthemes	Themes
Undergraduate and early exposure to GP during specialty training	<b>Meaning (experience)</b>	<b>Managing the transition into general practice</b>
GP trainer role modelling  Work life balance as a GPST  Placement at one hospital for almost all hospital rotations  Comparative ease of entry into specialty training programme  Duration of only three years  Expectancy of satisfactory work life balance and intellectually stimulating career as a general practitioner	<b>Identity (becoming)</b>  • Imagination	
Acquisition of GP relevant knowledge and skills -  Managing diverse patient presentations, management of common ailments and chronic disease, holistic approach, consultation and communication	• Alignment	



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skills, continuity of care, doctor  
patient relationship, use of  
doctors personality, personalised  
care

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Professional conversations with  
peers, senior colleagues and  
trainers

- Engagement

Balint sessions

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Supervised experience in GP  
settings

**Practice (Doing)**

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Inclusive CoP

Interaction with multiple  
members of the community

Adequate support towards  
training and wellbeing needs –  
GP trainer, VTS, senior  
colleagues

Peer support

Need for more support for IMG  
GPSTs

**Community (Belonging)    Belongingness**

**GP setting**

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Sense of isolation, devaluation

Need to master secondary care  
relevant competencies

**Hospital setting –**

**Legitimate peripheral  
participation**

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Need for signposting to GP  
relevant learning and practice  
opportunities  
Bridging social connections  
Personal agency initiatives  
Impact on learning and practice

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124 **Results**

125 18 GPSTs participated in interviews lasting between 20 and 51 minutes. The demographics of  
126 participants are shown in Table 2.

127 Two main themes were developed: managing the transition into general practice, and  
128 belongingness. Figure 1. illustrates important information on the interrelation between codes,  
129 subthemes and themes.

130 Table 2. Participant demographics

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<b>Demographic</b>		<b>n</b>
<b>Age</b>	20-29	4
	30-39	13
	40-49	1
<b>Gender</b>	Male (M)	7
	Female (F)	11
<b>Stage of training</b>	First year GP specialty trainee (ST1)	6

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	Second year GP specialty trainee (ST2)	8
	Third year GP specialty trainee (ST3)	4
<b>Undergraduate training</b>	UK primary medical qualification (UKG)	8
	Non-UK primary medical qualification (IMG)	10

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132 **Managing the transition into general practice**

133 **Meaning**

134 GPSTs reported that the transition into general practice training was a challenge. Undergraduate  
 135 and early exposure to GP during specialty training helped in navigating the transition through  
 136 meaning making and understanding ones “fit” with the chosen career.

137 It helped to see the difference and get experience ..... what GP’s like. (undergraduate  
 138 exposure) GP16 (interview code), M, ST3, UKG

139 Applying things to the way that you’re actually going to be working the rest of your  
 140 professional life, it’s really helpful to do that quite soon in your training ...in terms of  
 141 knowing whether that was what I wanted to do. GP10, F, ST3, UKG

142 **Identity**

143 **Imagination**

144 Developing identity within the world of general practice was an important aspect of transition.  
 145 General practitioner role modelling was influential in creating an image of future identity within  
 146 the profession.

147 She's also specialist in women's health which has influenced me to wanting to do that as  
148 a GP in the future. GP3, F, ST2, UKG

149 Work life balance as a GPST was generally thought to be good especially because GPSTs remain  
150 attached to one hospital during almost all of their training. Disruptions to work life balance  
151 during hospital rotations were accepted as a temporary and essential aspect of training. Due to  
152 the increasing numbers of places for GP training, trainees perceived that it was easier to get into  
153 GP and the duration of only three years was considered an incentive.

154 We are really fortunate compared to other specialties. We have a really supportive  
155 training; we've got a short training and also it's just nice. GP15, F, ST2, UKG

156 Trainees envisioned a satisfactory work life balance as a general practitioner in the future.

157 I can have a family it's not going to be a massive strain you can have a life ..... a lot less  
158 stressful than every other medical and surgical specialty in the UK. GP4, F, ST3, UKG

159 A few GPSTs mentioned "increasing litigation" (GP17, ST1, M, IMG) and a "politically driven  
160 NHS" (GP16, ST3, M, UKG) as negative aspects but the majority were satisfied with their  
161 choice of career, found the work intellectually stimulating and looked forward to the future as a  
162 general practitioner.

163 Every part of the body that's what GP is doing. I mean little bit of everything. I think this  
164 is the right job for me and I think I'm a better doctor at the moment. GP14, ST2, F, IMG

165 It's a tough job it's a risky job um and that's basically why you go through the training.  
166 One thing I like about GP I think they try to protect themselves, do things to make things  
167 work well for them, for example, the surgery, nobody works more than four days a week.

168 Definitely your pay is going to be less but then you have time to relax you have time to  
169 um get yourself refreshed and you're not that stressed I'm looking forward to it. Let's see  
170 what the future holds. GP13, ST2, M, IMG

171 **Alignment**

172 Initially GPSTs were unfamiliar with fundamental concepts of day to day GP and they prioritised  
173 understanding and acquiring the unique knowledge and skills they perceived as necessary to  
174 practice successfully as a general practitioner.

175 Trainees had to adjust to the diversity of patient presentations.

176 Patient coming in to discuss about diabetes and how it's affecting his health or somebody  
177 coming in with an acute abdomen. GP13, M, ST2, IMG

178 They developed knowledge and skills to manage "common ailments" through training and  
179 experience in GP settings as many trainees felt there was an initial gap in knowledge on  
180 management of common primary care presentations.

181 What to do with common ailments. You don't get taught in medical school. With the  
182 support of the clinical supervisor I was able to get used to it. GP15, F, ST2, UKG

183 Learning how to manage chronic disease was better acquired within the GP setting as opposed to  
184 ward work that were more oriented towards management of acute problems.

185 Ward work does not help with managing chronic conditions you see again and again.  
186 GP5, F, ST3, IMG

187 The holistic approach to patient management had to be developed.

188 In the hospital usually the nurses and the allied health professionals they will be looking  
189 after the psychosocial side. As a GP it's like taking on the role of all these people alone.

190 GP8, F, ST2, IMG

191 GP has traditionally been a discipline with a strong emphasis on communication, continuity of  
192 care and the doctor patient relationship and personality as a strong therapeutic tool. GPSTs  
193 recognised the importance of these concepts.

194 We're looking at consultation styles.....You 've got less experience of that. You've been  
195 a clerking machine for many years. It's just, different. GP4, F, ST3, UKG

196 Patients come in again and again and know that this is my doctor. In hospital there are  
197 lots of doctors and patient cannot pinpoint that this is my doctor. GP14, F, ST2, IMG

198 Enjoy having my own setting and having the personality. Working in hospital you lose a  
199 bit of your personality. GP15, F, ST2, F, UKG

200 They became more aware about personalised care based on contextual judgements.

201 What you would do in this particular case might not be the same thing you do in a similar  
202 case. GP13, M, ST2, IMG

### 203 **Engagement**

204 In addition to professional conversations with GP trainer, GP colleagues and peers; VTS Balint  
205 group sessions could be seen to help trainees orientate themselves to what is was to be a general  
206 practitioner and gain confidence in their role through reflection, feedback and support in a safe  
207 environment.

### 208 **Practice**

209 Trainees valued the opportunity for supervised practice and feedback that helped refine the  
210 competencies relevant to the profession.

211 Because I did my GP first, I still had the mentality of hospital, so he (trainer) was trying  
212 to tell me ok this is the community this is what we do in the community you know  
213 although the symptoms may seem worrisome or vague but you have to think as a  
214 community doctor. (GP6, F, ST1, IMG)

## 215 **Belongingness**

### 216 **General practice setting**

217 While transition into the discipline was an initial challenge; all GPSTs declared they felt a sense  
218 of belonging within the GP setting.

219 No other place where you are so inclusive than the GP rotation. GP7, M, ST1, IMG

220 When the whole practice and not only the trainer was supportive it improved the overall training  
221 experience.

222 Even the people who are not my trainers they are really helpful and they give good  
223 feedback. So I think it's a good place for me. GP9, F, ST2, UKG

224 Most trainees felt adequately supported regarding their training and wellbeing needs.

225 Diagnosed with a medical condition... I was able to get the pastoral support that I needed  
226 from GP side of things; GP surgery, deanery and the TPDs. GP8, F, ST2, IMG

227 GP trainers they 'own us' and they just want us to prepare for the exams as well and for  
228 becoming a better GP. GP14, F, ST2, IMG

229 Some IMG trainees felt that more support was necessary in specific areas such as orientation to  
230 working within the NHS, information technology, allocation of hospital rotations during the  
231 initial acclimatisation phase and more support to face the added challenge of adapting to a new  
232 country.

233           When I came here, my first job, they put me on nights after I think four, five days ... I  
234           never worked in NHS; I was so scared... I was preoccupied with a lot of things. I was a  
235           bit depressed initially how to cope and everything. GP14, ST2, F, IMG

236 Most trainees, particularly IMG GPSTs, appreciated the “GP centred” (GP2, F, ST1, IMG) VTS  
237 teaching. Observation at VTS showed how VTS participation supported the development of  
238 well-rounded professionals. In addition to GP relevant clinical teaching, sessions covered areas  
239 such as selfcare, communication skills and use of English during consultations for IMGs. Trainee  
240 led sessions helped develop leadership and teaching skills. A “buddy” system was in place for  
241 mentoring of juniors by senior trainees and observation of “cluster sessions” revealed how  
242 trainees supported colleagues who were taking exams even when not taking the exam  
243 themselves. Observation at junior doctor forum meetings and informal conversations at VTS  
244 sessions revealed how trainees benefitted from discussion of common problems regarding  
245 training and possible solutions among themselves.

246           You need the resilience you need the networking. You share your experiences with each  
247           other. We need more of that. GP4, F, ST3, UKG

248           There’s a strong peer support. GP7, M, ST1, IMG

#### 249 **Hospital setting – Legitimate peripheral participation**

250 In contrast, many GPSTs felt a sense of isolation and devaluation in the hospital environment.



251 No discrimination about the workload but there was discrimination regarding treating us.

252 GP14, F, ST2, IMG

253 We were just filling the gaps, the rota gaps. GP4, F, ST3, UKG

254 In the situation of training and working in a context that was relatively alienating one GPST

255 illustrated the underlying “them” and “us” mentality that prevailed.

256 Just in the ward managing their patient, their workload. GP14, F, ST2, IMG

257 Some trainees mentioned that having worked in the same hospital before and knowing others

258 helped improve inclusion while others felt they had to match their skills to the secondary care

259 relevant competencies of their hospital colleagues to gain acceptance.

260 Here since F1, pretty much know everyone, which helps massively. The mess is quite

261 sociable as well. You just kind of have to get in there talk to people. GP11, F, ST2, UKG

262 In their mind they feel GP is for the less ... but depending on what you are doing or how

263 well you are doing (talking about secondary care relevant skills) oh ok, GPs are not bad

264 after all. GP6, F, ST1, IMG

265 GPSTs described that during hospital rotations where they felt well integrated into the team, they

266 were able to learn more and contribute more.

267 Because of the support I had and because I felt I had trust, I felt I could do more, and I

268 learned more as well. GP5, F, ST3, IMG

269 Trainees suggested that allocation to duties that were more aligned with GP skills and

270 competencies whenever possible for example in managing outpatients would translate into

271 GPSTs being seen as valuable members of the hospital team.

272           Instead of being seen as rota pluggers or clerking doctors if we can take on more  
273           responsibility in the outpatients clinics for example that would be so good ... by having  
274           that awareness of how the practice is different and how all these skills can be used  
275           differently. GP8, F, ST2, IMG

276   Some described how practising personal agency in communicating learning requirements to  
277   clinical supervisors and colleagues often led to a better training experience through introducing  
278   general practice relevance to hospital training.

279           I try to bring my own questions like; if I saw this patient in GP what I will do and  
280           sometimes they just realise oh, actually at the GP setting it's not possible to CT someone  
281           straight away. GP8, ST2, F, IMG

282           If you say; I totally understand that when I'm on call I need to go on the wards but when  
283           I've got a lighter day can I go to clinic which would be relevant for GP most of the  
284           doctors I've worked with understand that we need something out of the training. GP 10,  
285           ST3, F, UKG

## 286   **Discussion**

287   This study provides insight into GPST transition into GP training, belongingness in GP and  
288   hospital settings and how this related to learning and practice.

289   The influence of GP trainers, senior GP colleagues, VTS and peers on transition, in our study  
290   underlines the need for adequate support during transition periods [8-10, 32–35]

291   Increasing contact with primary care learning environments during undergraduate training is  
292   associated with the proportion of medical graduates who later enter general practice training

293 [36]. In our study undergraduate exposure to GP facilitated the transition into GP training and it  
294 is likely that both these phenomena were mediated, at least in part, by the opportunity to  
295 develop meaning and belonging in the primary care world [37]. During the phase of alignment of  
296 skills to GP it was surprising that many trainees were unfamiliar with managing common day to  
297 day GP presentations. With government targets of 50% of medical graduates being placed in the  
298 community it seems logical that by the time doctors have completed foundation training they  
299 should be competent in fundamental aspects of day to day GP [38]. Our findings therefore  
300 highlight the importance of more undergraduate and foundation training based in primary care  
301 settings [39–41].

302 Identity formation played a central role in successful transition in our study as in other studies  
303 looking at the various transitions in a doctors career [9,11,33]. Wenger's theory of communities  
304 of practice; proposes the development of knowledge is closely linked to the development of an  
305 identity within a community for which this knowledge is a meaningful way of being [24,42].  
306 Trainees constructed an image of their identity within the GP CoP through general practitioner  
307 role modelling, envisioning of the future, engagement with colleagues through professional  
308 conversations and reflective activities such as Balint groups and aligning their skills to the  
309 competencies considered important and relevant within the CoP [43].

310 Studies of postgraduate training in UK have highlighted challenges to work life balance faced by  
311 doctors in training [44,45]. In our study GPSTs were content with their work life balance, career  
312 choice, felt that their work was intellectually stimulating and were optimistic about the future.  
313 This is compatible with the findings of a previous survey of junior doctors' career choices [46].  
314 Completing almost all hospital placements in the same hospital was a main determinant of good

315 work life balance for the participants in our study however, in other training schemes trainees  
316 may rotate through different hospitals depending on local arrangements.

317 The impact of belonging to a CoP on the engagement, performance and wellbeing of learners has  
318 been established in higher education but there is little research on this in primary care medical  
319 education settings [37,47–50]. GPSTs in our study described a strong sense of belonging within  
320 the GP CoP and where there was input and mentoring from other general practitioners in the  
321 practice the quality of training was strengthened. While the concept of CoP is open to many lines  
322 of criticism [42], it appears that a strong, nurturing and inclusive CoP had a positive impact on  
323 training and practice for this cohort of GPSTs [51].

324 IMG GPSTs were especially appreciative of VTS activities perhaps due to a holistic approach  
325 that offered them support in adaptation. Although recruitment of GPSTs has seen a recent upturn  
326 [52], this does not guarantee retention and continued support is necessary for GPSTs, especially  
327 IMGs, in specific areas to prevent future losses to the workforce.

328 GPSTs are temporary members of the hospital clinical environment during their clinical  
329 rotations. The participant experiences in this study illustrate how they were neither fully inside  
330 nor fully outside the hospital CoP [18], and what strategies were used in negotiating the process  
331 of moving from the periphery to the centre as described in Lave and Wenger’s ‘legitimate  
332 peripheral participation’ [30]. Many GPSTs felt isolated and devalued in the hospital setting [13,  
333 20–22]. Lack of a sense of belonging affected training and practice, which could impact on  
334 patient care. If plans to increase primary secondary care collaboration are to succeed [53],  
335 workplace cultures that allow for positive interactions between primary and secondary care must  
336 be supported. Some trainees recognised the importance of forming bridging social connections to  
337 increase inclusion. Facilitating connectivity across borders of CoP could help create mutually

338 respectful fluid communities of practice with the care of “our” patients at the core [54–56].  
339 Some GPSTs practised personal agency initiatives that sought to introduce a GP relevant  
340 narrative into hospital based teaching [57]. Having the opportunity to contribute and be valued  
341 for their unique skills was important for GPSTs but maintaining GP identity while integrating  
342 well into the hospital environment was a challenge. Some trainees described gaining  
343 belongingness within the hospital setting through matching the secondary care competencies of  
344 hospital specialty colleagues which is of concern as benchmarking secondary care competency  
345 criteria could lead to conflict with unique GPST identity [3,58].

#### 346 **Strengths and limitations**

347 This study was conducted with participants from a single VTS therefore findings could be region  
348 specific. However, the selected participants represent a diverse range of training stages, gender  
349 and UKGs versus IMGs.

#### 350 **Conclusions**

351 In conclusion, our study presents some interesting findings on the transition experiences of  
352 participating GP trainees, their sense of belonging in GP and hospital settings, the impact on  
353 traing and practice, collaboration between general practice and hospital communities of practice  
354 and how the actions of GP educators and peers supported this. The various activities that have  
355 been explored will be familiar to experienced GP educators. These findings are transferable to  
356 the Sri Lankan GP training setting according to the PI’s experience of training in Sri Lanka.  
357 Mapping the activities explored in our study to Wengers social learning theory – communities of  
358 practice enables a wider understanding of how they might be influenced to enhance training.

359

360 **Recommendations for practice**

- 361       • Provide adequate support towards transition into GP
- 362       • Foster inclusive CoP in GP and hospital settings
- 363       • Promote workplace learning and practice opportunities that facilitate interaction between
- 364       GPSTs and other specialty trainees
- 365       • Prioritise signposting of GPSTs to GP relevant skills
- 366       • Provide more undergraduate and foundation training based in primary care settings

367 **Ethics**

368 Ethics approval was granted by the University of Worcester (CHLES18190033-R). None of the

369 participants received any incentives for participation. Trainees under the direct supervision of the

370 study supervisor were not interviewed.

371 **Abbreviations**

372 Community of practice: CoP; general practice: GP; GPST: general practice specialty trainee;

373 male: M; female: F; first year GPST: ST1, second year GPST: ST2; third year GPST: ST3; UK

374 based primary medical qualification: UKG; Non-UK primary medical qualification: IMG

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381 Dr Steve Walter - Head of School of Postgraduate General Practice

382 All the GP trainees who participated

### 383 **Declaration of interests**

384 No potential conflict of interest was reported by the authors

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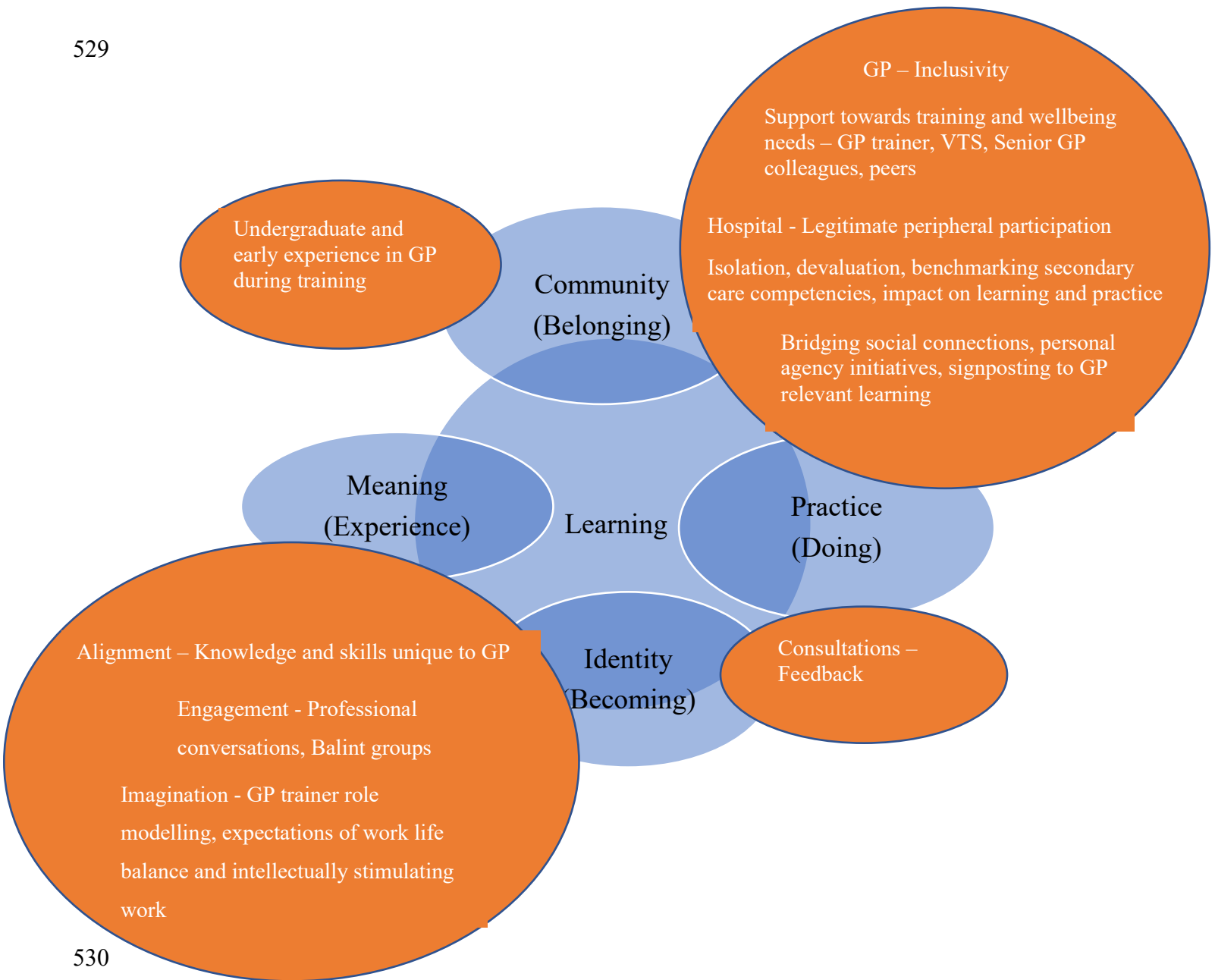
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531 **Figure 1. Mapping of study findings onto Wenger’s communities of practice to illustrate**

532 **the interrelation between concepts**

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