1 The Professional Development Needs of Scottish Hospital

2 Pharmacists Beyond Foundation Training

- 3 **Authors:** Anna Rueben^a, Paul Forsyth^b, Alison H Thomson^c
- ^a Clinical Pharmacist, Glasgow Royal Infirmary, NHS Greater Glasgow & Clyde, Glasgow, 0141 211
- 5 4302, anna.rueben@ggc.scot.nhs.uk, Lead Author
- 6 b Lead Pharmacist Clinical Cardiology (Primary Care), Pharmacy & Prescribing Support Unit, NHS
- 7 Greater Glasgow & Clyde, Glasgow, 0141 201 9396, paul.forsyth@nhs.net, Publication Supervisor
- 8 ^cSenior Lecturer, Strathclyde Institute of Pharmacy and Biomedical Sciences University of
- 9 Strathclyde, Glasgow, 0141 548 4894, alison.h.thomson@strath.ac.uk, Academic Supervisor

10

11 Corresponding Author:

- 12 Anna Rueben
- 13 Pharmacy Department
- 14 Glasgow Royal Infirmary
- 15 84 Castle Street, Glasgow
- 16 G4 0SF
- 17 Email: anna.rueben@ggc.scot.nhs.uk

18

- 19 Word count abstract: 248
- 20 Word count paper: 2,901

21

22 Keywords

23 Continued professional development; professional competence; framework; postgraduate education

24 Acknowledgements

- 25 The authors would like to thank the survey participants and all other pharmacists and technicians in
- 26 NHS GGC who have supported this project. Special thanks to Yasmin Al-Din, clinical effectiveness
- 27 pharmacist NHS GGC, for her assistance in the validation of survey.

Abstract

28

29

30

31

32

33

34

35

36

37

38

39

40

41

42

43

44

45

46

47

48

49

50

development of pharmacists.

Objectives - In Scotland, post-registration hospital pharmacists initially undertake a vocational Foundation Training programme. Beyond this, there are no mandatory structures for ongoing professional training. To support progression to a more advanced level, competency frameworks are increasingly being used. This study aimed to measure the self-reported competence of pharmacists against a relevant framework and to determine what support was required to enable further professional development. Methods - A mixed methods, online survey was completed by pharmacists working across six acute hospital sites within NHS Greater Glasgow and Clyde who had completed Foundation Training between Jan 2013 and Jan 2018. Participants self-reported competency against the Royal Pharmaceutical Society's Advanced Practice Framework Advanced Stage 1 competencies and gave qualitative feedback through free text questions. Key findings - Twenty pharmacists responded to the survey and three core areas requiring further support were identified: leadership, management and research. Participants reported that more senior support, more opportunities for development and a better understanding of the workplace vision were needed to help them provide evidence for these areas. Mentorship programmes and postgraduate qualifications were suggested as formats to support development. Conclusion - Pharmacists working toward advanced practice reported high levels of competence in expert professional practice, collaborative working relationships and education, training and development. While these results are promising, additional support is needed to cultivate leadership, management and research skills. Future training strategies need to consider this imbalance if we are to achieve national and international workforce goals for the professional

Introduction

51

52

53

54

55

56

57

58

59

60

61

62

63

64

65

66

67

68

69

70

71

72

73

74

75

76

Since the 1980s, advances in clinical pharmacy practice have resulted in pharmacists providing more direct patient care and taking on new responsibilities. Such advancements come with the requirement to ensure pharmacists have the appropriate skills and knowledge. In hospital pharmacy, lifelong learning is an accepted necessary standard of practice.² Currently, the initial postregistration development of hospital pharmacists in Scotland is supported by the Foundation Framework Training Programme.³ This vocational qualification utilises a nationally-approved competency framework developed by NHS Education for Scotland. The programme typically takes 2-3 years to complete and trainees are assessed by peer portfolio review then a scenario-based assessment. Following Foundation Training, no other mandatory formal training programmes or assessments are routinely delivered to staff in Scotland. However, individual pharmacists may opt to undertake further postgraduate studies such as the independent prescribing qualification, a clinical diploma or MSc. Professional accreditation of advanced practice within pharmacy is a growing field and competency frameworks are increasingly being used worldwide to support this vision. Such frameworks aim to help pharmacists to identify areas in which they require further development. Examples of advanced practice frameworks include both broad generic profession-wide documents⁴⁻⁶ and sub-speciality specific frameworks that are used to set the standards required for an advanced level of practice in a particular field of practice or specialism.⁷⁻¹² Within the UK, the Royal Pharmaceutical Society's (RPS) Advanced Pharmacy Framework (APF) is designed to enable post-Foundation Trainees to identify areas to target for ongoing professional development. 6 It sets out 3 stages of advanced practice:

- Advanced Stage 1 Early stages of specialisation or performing well above foundation years
 (first 1000 days of practice following Foundation Training)
- Advanced Stage 2 Expert in their area of practice (1000 days + of practice following Foundation Training)
 - Mastery Consultant or corporate level practice (>10 years of practice)

The APF has 34 competencies divided into 6 clusters. Each competency describes the skills a pharmacist should have to be considered as working at a particular level of practice. The APF is not specific to any sector of pharmacy practice or speciality so can be used by any qualified pharmacist. Members of the RPS can gain recognition of their advanced stage of practice through submission of a portfolio of evidence, linked to the APF, to the RPS Faculty. Following assessment, members will receive feedback for further professional development and, if successful, relevant post-nominals.

The primary aim of this study was to measure the self-reported competence of Advanced Stage 1 practice in acute hospital pharmacists who had completed Foundation Training within the past 5 years. This group was chosen as they represent a starting point for the journey towards advanced clinical practice. The study also aimed to evaluate qualitative feedback on the additional professional development support required beyond Foundation Training.

Methods

Study Design

This was a cross-sectional study using an electronic mixed-methods survey, prepared using the software Webropol® 3.0 (Webropol UK, Rugby, UK). Participants provided demographic data then were shown the descriptors for each of the 34 competencies in Advanced Stage 1 of the RPS APF (see supplementary file for full details of the questionnaire, including an in-depth descriptor of each competency) and asked to self-report (YES/NO) whether they could currently provide evidence for each competency. Questions could not be skipped. At the end of each cluster of competencies, participants were given an optional free text question which asked what further support they would need to meet the competencies. Participants also ranked the 6 clusters in the order of level of support they required for further development (1. most support to 6. least support). Finally, a mandatory free text question asked participants to suggest a format for post-Foundation Training.

The questionnaire was assessed for face validity by an experienced RPS Faculty member. To ensure that participants who had not previously seen the framework would be able to complete the survey, it was then piloted by a pharmacist who had completed Foundation Training but was not an RPS member. This pharmacist was from a geographic area outside the study site and hence, their results were not used in the final analysis.

Participant selection and survey distribution

The study was conducted within NHS Greater Glasgow & Clyde (NHS GGC), Scotland's largest autonomous integrated health authority, which provides healthcare to over 1.2 million people. The inclusion criteria for the study were pharmacists who had completed the Foundation Training programme between 1st Jan 2013 and 31st Jan 2018 and were currently employed at one of the six acute sites in NHS GGC. This time limit reflects the RPS recommendation that advanced stage 1 competencies represent the 1000 days of practice following Foundation Training. Pharmacists from the two speciality tertiary sites within NHS GGC were not included in the study due to differences in line management structure and internal communication pathways.

A link to the questionnaire was sent on 25th May 2018 by internal email for distribution by sector leads to all pharmacists working at the relevant sites. The email included a participant information leaflet which detailed the reason for the study and information regarding consent. This was followed by a Whatsapp® message to an existing pharmacy group used locally for distribution of information, which encouraged completion of the survey. An initial eligibility question was built into the survey to prevent pharmacists from completing the survey if they did not meet the inclusion criteria. In week 2, the pharmacy dispensary of each site was contacted. Staff confirmed distribution of the email and the number and identity of eligible pharmacists at each site. A survey reminder email was sent to these pharmacists. Lead pharmacists on each site were also contacted to confirm the number of eligible staff and asked to encourage survey completion. The survey closed on 18th June 2018. No

128 incentives were offered for completion of the survey. Surveys were administered anonymously. 129 130 **Survey analysis** 131 Quantitative data from the demographic information and self-assessment responses were collated 132 by AR using Microsoft Excel®. The proportion of competencies evidenced for each cluster was 133 determined by calculating the percentage of participants that who self-reported evidence for each 134 competency then taking a mean for each cluster (AR). Free text responses were thematically 135 analysed using conventional content analysis. 13 Common themes were identified by coding the free 136 text comments of individual respondents in an iterative manner (AR). Themes were also independently coded by a second author (PF). The team (AR, PF) then met to review and refine the 137 138 themes before producing the final results. 139 140 **Ethics** 141 The study formed part of a local pharmacy service education and training review. As such, the West 142 of Scotland Research Ethics Service Scientific Officer advised that NHS ethical review was not 143 required. 144 Results 145 146 **Demographic Information** 147 Twenty of the twenty-eight eligible pharmacists completed the survey (71.4%). There were 13/20 148 (65%) female participants and 19/20 (95%) participants were under 30 years old. Further 149 characteristics are described in Table 1. Before participating in this survey, 14/20 (70%) participants 150 had not read the APF. 151 **Self-Assessment of Competencies**

The self-reporting of competence in Cluster 1 (Expert Professional Practice) and Cluster 2 (Collaborative Working Relationships) was high, with an overall proportion of competencies evidenced by the study participants of 96% and 98% respectively (Figure 1). In Cluster 1, 18/20 and in Cluster 2, 19/20 participants could provide evidence for all competencies. Cluster 5 (Education, Training and Development) also scored highly with 90% of competencies evidenced overall. All individual competencies scored ≥90% except Educational Policy (65%). In Cluster 5, 12/20 participants could provide evidence for all competencies. For Cluster 3 (Leadership), participants could provide evidence for 67% of the competencies. Competency rates for individual elements ranged from 45% for Workplace vision to 90% for Motivational. In Cluster 3, 5/20 participants could provide evidence for all competencies. Cluster 4 (Management) had the lowest proportion of competencies evidenced across all participants at 48%. This ranged from 15% for Working Across Boundaries to 85% for Standards of Practice. In Cluster 4, 3/20 participants could provide evidence for all competencies. For Cluster 6 (Research & Evaluation) participants could provide evidence for 57% of competencies. This ranged from 40% for Evaluates Research Protocols to 80% for Critical Evaluation. In Cluster 6, 6/20 participants could provide evidence for all competencies. Three of these six participants had completed an MSc. When asked to rank which RPS clusters participants required most support in developing, Management was the most commonly requested area for support with an average rank of 2.1. This was followed by Leadership at 2.4 and then Research & Evaluation at 3.0. Participants reported that they required less support with: Collaborative Working Relationships (4.5); Expert Professional Practice (4.6) and Education, Training and Development (4.6).

Qualitative Analysis

152

153

154

155

156

157

158

159

160

161

162

163

164

165

166

167

168

169

170

171

172

173

174

Type of support required

When participants were asked what support would enable them to provide evidence for further competencies, 3 main themes emerged. The first was a need for more clarity about the workplace vision (5 participants and 9 quotes).

'Someone to explain what "the workplace vision" is' Participant F under Cluster 3 Leadership

'Need to understand what the workplace vision is!' Participant S under Cluster 3 Leadership

The second was a need for more opportunities (5 participants and 13 quotes). Participants often expressed concern about not being able to develop their practice through lack of opportunity or constraints of the current service preventing opportunities being possible.

'I have the competency to perform specialist clinical pharmacy roles but my capacity for such tasks is severely hampered by poor staffing' Participant B under Cluster 1 Expert Professional Practice

'No opportunity to plan >3 months in advance' Participant G under Cluster 4 Management

The final theme was more senior colleague support (6 participants and 10 quotes). Participants

'My directorate do a decent job of this but need more senior support to deliver a continually good pharmacy service' Participant A under Cluster 4 Management

described a need for more senior support, at both a local and an organisational level, to facilitate

Participant quotes most commonly occurred in relation to the Leadership cluster (31%). This was followed by Research & Evaluation (22%), Management (16%), Collaborative Working Relationships (13%), then finally Expert professional Practice and Education, Training and Development (both 9%).

Format for Support

progression to advanced practice.

Three clear themes emerged when participants were asked what format future support should take.

The requirement for more senior colleague support and management (12 participants and 18 quotes) was seen again. Specific comments related to support to take on advanced roles (e.g.

attending multidisciplinary team meetings, independent prescribing and research) and additional responsibilities. There were also requests for appraisals, case-based discussions and peer discussions.

'Better standard of workplace appraisals...' Participant K

'a more defined development plan within the job role' Participant Q

Mentorship was the second crucial theme expressed (11 participants and 11 quotes) with participants requesting an allocated tutor following foundation training or to be part of a mentorship programme.

'I believe everyone should be assigned a tutor ... to provide informal discussions 2-3 times yearly and set some goals for pharmacists' Participant A

'A one to one peer mentoring scheme. A trainee would be assigned to a more senior pharmacist and draw up a professional development plan and set tasks/goals to be met over a set period of time.'

211 Participant C

The final theme was post-graduate qualifications (5 participants and 8 quotes).

'I believe professional development should lead to additional qualifications rather than being solely competency based (e.g. stage two, faculty). There is a greater sense of accomplishment achieving formal qualifications rather than a competency based system and these can be recognised by non-pharmacists as an achievement.' Participant B

Discussion

The results of this survey provide important information about the self-reported competency of a cohort of hospital pharmacists as they transition from foundation to advanced practice. Leadership, management and research skills were the clusters with the greatest unmet competence. To improve the transition to advanced practice, participants expressed a need for more senior support, the creation of opportunities and a defined workplace vision. Mentorship programmes and postgraduate qualifications were suggested as potential future formats to support development.

Strengths & Limitations

This is the first published study in the UK to address the professional development needs of pharmacists as they begin their journey towards advanced clinical practice, independent of the area of specialism. The use of the RPS APF, as a nationally recognised measure, delivers a result which is relevant and understandable across the entire UK. The mixed method approach allowed a more detailed exploration of the professional development needs of this particular group. This method provides more comprehensive answers than solely quantitative studies. ¹⁴ As well as identifying key areas for development, participants were able to express how to approach development in these areas. Similarities in results of both methods used, such as the 3 clusters identified as having the greatest unmet competence in the quantitative results being the same 3 areas where respondents were most likely to detail a type of support required in the qualitative results, gives strength to the comprehensiveness of this study.

This was a single-site study with small overall participant numbers, which may limit its generalisability. The study did not assess individuals who did not undertake or failed to complete their Foundation Training, so the needs of these groups may be different. This study also only measured progression from Foundation practice to Advanced Stage 1. Further work would need to be conducted to establish whether pharmacists were progressing to Advanced Stage 2 competencies after 5 years.

Context

There is limited published literature regarding the use of advanced practice competency frameworks to self-assess competency in pharmacists. Researchers in Australia have used self-reporting of competency against their own version of the advanced practice framework. These studies show a current lack of awareness of advanced practice frameworks. This issue was also demonstrated in the

present study since only 30% of respondents recorded having seen the APF prior to participating in the survey. Similar reasons for working below advanced practice, i.e. not having post-graduate qualifications, lack of years of experience or lack of experience in different areas, were identified in the present study. Improvements in competency over time have been demonstrated in Foundation Trainee pharmacists, across all sectors of pharmacy practice, through using frameworks developed for their stage of professional development. ^{17,18} It would be hoped that the same theory could be applied to advanced practice. This study supports this approach as it has shown that the advanced practice framework can be used to identify areas for professional development.

been trialled in Foundation trainees¹⁹ but the present study shows a need for support beyond the Foundation level. Research skills were also lacking. A previous study of Scottish pharmacists highlighted that more barriers to participation in research exist beyond the need for postgraduate qualifications, such as prioritisation and practical support.²⁰ Although postgraduate qualifications were valued by the present studies participants in the present study, completion of an MSc was not always sufficient for participants to provide evidence for all competencies within the research cluster.

Competency in leadership was highlighted as lacking. CPD tools for developing leadership skills have

Policy, practice and research implications

Two important, imminent changes will affect the professional development of pharmacists in Scotland over the next few years; revalidation and the development of a national career framework. Changes to how regulatory bodies in the UK assess the fitness to practice of healthcare professionals has led to the creation of an annual revalidation process for pharmacists. ^{21,22} The results of the present study will raise awareness of potential areas of widespread underdeveloped practice amongst individual pharmacists and line managers, thus facilitating discussions and peer support during these revalidation processes.

The Scottish pharmacy career framework will also help to standardise the future training and assessment of professional competence.²³ The results of the present study will aid strategic leaders in formulating this framework and in understanding the key development needs of the workforce beyond Foundation Training, specifically in leadership, management and research. Other examples of international frameworks, such as the Australian Advanced Practice Framework, group leadership and management within the same domain.²⁴ The potential for co-development of competency between these closely related clusters should be further examined, especially during the development of the new Scottish national career framework.

In a global sense, frameworks are increasingly being designed to develop pharmacist's skills to an advanced level of practice. The workforce development goals of the International Pharmaceutical Federation (FIP) support the use of competency frameworks for professional development.²⁵
Leadership is also set as a specific development goal by the FIP, which advocates the creation of training programmes and mentoring systems, linked to competency frameworks in early career development, to achieve this goal.²⁵ These recommendations echo the findings of our results. As advancement of the pharmacy workforce is considered by the FIP as a basis to enhance patient care, the current study helps to provide direction around how this can be achieved.

Conclusions

This study has demonstrated that as pharmacists progress to working at an advanced level, some areas of professional practice are more deficient than others. Encouragingly, high self-reporting of competency in Expert Professional Practice and Collaborative Working Relationships provides a strong basis for pharmacists taking on new and specialist roles. However, senior support, the availability of opportunities and a clearer professional vision are all vitally important to aid ongoing development. Mentorship programmes should be considered alongside attainment of postgraduate qualifications to help achieve this. Future professional development programmes need a holistic

303	approach with specific focus on management and leadership training, as despite recognition from
304	national and international strategies, these skills seem to be underdeveloped in many pharmacists.
305	
306	Declarations
307	Conflicts of interest
308	The Author(s) declare(s) that they have no conflicts of interest to disclose.
309	Funding
310	This research received no specific grant from any funding agency in the public, commercial, or not-
311	for-profit sectors.

References

- 1. Hepler CD, Strand LM. Opportunities and responsibilities in pharmaceutical care. Am J Health-Syst
- 315 *Ph* 1990; 47: 533-543.
- 2. Royal Pharmaceutical Society. Professional standards for hospital pharmacy service, Version 3.
- 317 London: RPS, December 2017. https://www.rpharms.com/resources/professional-
- standards/professional-standards-for-hospital-pharmacy (accessed 08 Nov 2018).
- 3. NHS Education for Scotland. The pharmacist vocational training programme: Foundation
- 320 Framework, Version 9. Glasgow: NES, 2017.
- 4. Jackson S et al. An advanced pharmacy practice framework for Australia. Pharmacy 2015; 3: 13-
- 322 16.
- 323 5. Atkinson J et al. The production of a framework of competences for pharmacy practice in the
- 324 European Union. *Pharmacy* 2014; 2: 161-174.
- 325 6. Kopelman P, Duggan C. Royal Pharmaceutical Society Advanced Pharmacy Framework. London:
- 326 RPS, 2013. https://www.rpharms.com/resources/frameworks/advanced-pharmacy-framework-apf
- 327 (accessed 08 Nov 2018).
- 328 7. Ashiru-Oredope D et al. Developing the first national antimicrobial prescribing and stewardship
- 329 competences. J Antimicrob Chemoth 2014; 69: 2886-2888.
- 330 8. Carrington C et al. The development of a competency framework for pharmacists providing cancer
- 331 services. *J Oncol Pharm Pract* 2011; 17: 168-178.
- 9. Forsyth P et al. A competency framework for clinical pharmacists and heart failure. Int J Pharm
- 333 Pract 2018; (accessed 08 Nov 2018, epub ahead of print).
- 334 10. Stacey SR et al. What does advanced practice mean to Australian paediatric pharmacists: A focus
- 335 group. Int J Pharm Pract 2015; 23: 141-149.
- 336 11. Seneviratne RE et al. How do pharmacists develop into advanced level practitioners: Learning
- from the experiences of critical care pharmacists. *Pharmacy* 2017; 5: 38.
- 338 12. Ruszala V et al. An integrated career and competency framework for pharmacists in diabetes.
- London: UK Clinical Pharmacy Association, 2018. ISBN 978-1-87015-669-1.

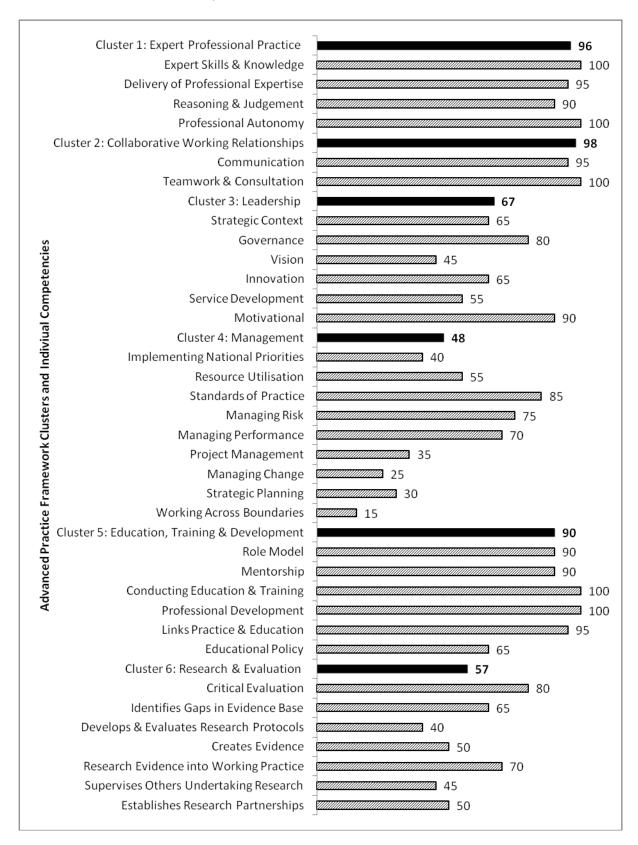
- 13. Hsieh HR, Shannon SE. Three approaches to qualitative content analysis. *Qual Health Res* 2005;
- 341 15: 1277-1288.
- 342 14. Cathain A et al. Why, and how, mixed methods research is undertaken in health services
- research in England: A mixed methods study. BMC Health Serv Res 2007; 7: 85.
- 15. Ali AS et al. Pharmacists' self-perceptions in relation to the 'Advanced Pharmacy Practice
- 345 Framework'. Res Soc Adm Pharm 2016; 122: 496-508.
- 16. Jackson S et al. Advanced practice: A survey of current perspectives of Australian pharmacists. J
- 347 *Pharm Pract Res* 2015; 45: 186–192.
- 17. Mills E et al. The General Level Framework: Use in primary care and community pharmacy to
- 349 support professional development. *Int J Pharm Pract* 2008; 16: 325–331.
- 350 18. Antoniou S et al. A controlled study of the General Level Framework: Results of the south of
- 351 England competency study. *Pharmacy Education* 2005; 5: 1-8.
- 352 19. Patterson BJ et al. Pilot evaluation of a continuing professional development tool for developing
- leadership skills. Res Soc Adm Pharm 2013; 9: 222-229.
- 20. Lowrie R et al. Research is 'a step into the unknown': An exploration of pharmacists' perceptions
- of factors impacting on research participation in the NHS. *BMJ Open* 2015; 5:e009180.
- 356 21. Schafheutle EL et al. Ensuring continuing fitness to practice in the pharmacy workforce:
- 357 Understanding the challenges of revalidation. Res Soc Adm Pharm 2013; 9: 199–214.
- 358 22. General Pharmaceutical Council. Revalidation Framework. London: GPhC, January 2018.
- 359 https://www.pharmacyregulation.org/sites/default/files/document/gphc_revalidation_framework_j
- 360 anuary_2018.pdf (accessed 08 Nov 2018).
- 361 23. APS Group Scotland. Achieving excellence in pharmaceutical care: A strategy for Scotland.
- 362 Edinburgh: The Scottish Government, 2017. ISBN: 978-1-78851-156-8.
- 363 24. Pharmacy Practitioner Development Committee. National competency standards framework for
- pharmacists in Australia 2016. Canberra: Pharmaceutical Society of Australia, 2017. ISBN: 978-0-
- 365 908185-03-0.
- 366 25. International Pharmaceutical Federation. Pharmaceutical workforce development goals. Hague:
- 367 FIP, 2016. http://www.fip.org/educationreports (accessed 08 Nov 2018).

Figures and Tables

Table 1 Characteristics of the pharmacists who participated in the survey.

Demographic Data	(n = 20)			
Gender				
Male	7			
Female	13			
Age				
21 – 30 years old	19			
41 – 50 years old	1			
Number of years qualified				
< 5 years	10			
5 - 10 years	9			
> 10 years	1			
RPS Member				
Yes	6			
Agenda for change band				
Band 6	2			
Band 7	18			
Postgraduate qualifications				
Independent Prescriber	7			
MSc Advanced Clinical Practice	5			

Figure 1 Proportion of participants (%) who self-reported evidence of competence for the APF clusters and each individual competence (n = 20).



Supplementary Files

Figure S1 Copy of study questionnaire.

383 384 Figure S1 Copy of study questionnaire 385 **Professional Development Post Stage 2 Training** 386 1. Did you complete NES Vocational Training (Stage 2) between January 2013 and January 2018? 387 0 Yes No 388 0 2. Demographic Information 389 390 What is your gender? 391 o Male Female 392 393 3. What is your age? 394 o 21 - 30 years 395 o 31 - 40 years 396 o 41 - 50 years 397 o 51 - 60 years 398 o 61 years + 4. How many years have you been qualified as a pharmacist? 399 400 o < 1 year</p> o 1 - 2 years 401 402 o 2 - 5 years o 5 - 10 years 403 404 o 10 years + 405 5. How many years experience do you have in hospital practice? 406 o < 1 year</p> 407 o 1 - 2 years 408 o 2 - 5 years 409 o 5 - 10 years 410 o 10 years + 411 6. Your Current Role 412 Which hospital site are you predominately based? 413 Glasgow Royal Infirmary o Queen Elizabeth University Hospital / Royal Hospital for Children 414 415 o Gartnavel General Hospital 416 o Royal Alexandra Hospital Inverclyde Hospital 417 7. What is your current agenda for change band? 418 419 Band 6 Band 7 420 0

421

Band 8

422					
423	8. Which directorate do you work in?				
424	0	ECMS			
425	0	Surgery and Anaesthetics			
426	0	Care of the Elderly			
427	0	Women and Children's			
428	0	Regional			
429	0	Rotational			
430	0	Non-directorate			
431	9. Is your current role predominately?				
432	0	Patient Facing			
433	0	Non-Clinical			
434	0	A split post with patient facing and non-clinical commitments			
435	10. Are	10. Are you employed?			
436	0	Full-time			
437	0	Part-time			
438	11. Do you have any of the additional post-graduate qualifications? (Tick all that apply)				
439	0	Clinical Diploma			
440	0	Independent Prescribing			
441	0	MSc Clinical Pharmacy			
442	12. Within the next 1 year, do you plan to start or are you currently undertaking any of the following				
443	post-gr	aduate qualifications? (Tick all that apply)			
444	0	Clinical Diploma			
445	0	Independent Prescribing			
446	0	MSc Clinical Pharmacy			
447	13. Are	you a member of the Royal Pharmaceutical Society (RPS) Faculty?			
448	0	Yes			
449	0	No but I am a RPS member			
450	0	No and I am not an RPS member			
451		e following questions are based on the 6 clusters of the RPS Advanced Pharmacy Framework.			
452	Prior to	completing this survey have you read or used the framework?			
453	0	Yes, I have read the framework and I have used it			
454	0	Yes, I have read the framework but I have not used it			
455	0	No, I have not read the framework			

457	
458	15. Cluster 1. Expert Professional Practice
459	For the following competency description
460	evidence for:
461	 Demonstrates general pharmaceu

- or the following competency descriptions please tick all that you feel you can currently provide vidence for:
 - Demonstrates general pharmaceutical skills and knowledge in core areas (areas common for current role) and can plan, manage, monitor, advise and review general pharmaceutical care programmes
 - Demonstrates accountability for delivering professional expertise and direct service provision as an individual
- Demonstrates ability to use skills in a range of routine situations requiring analysis or comparison of a range of options
- Recognises priorities when problem-solving and identifies deviations from the normal pattern
- o Is able to follow legal, ethical, professional and organisational policies/procedures and codes of conduct
- 472 O None of the above

463

464

465

466

467

468 469

- 473 16. What further support (if any) do you feel would enable you to complete these competencies?
- 474 17. Cluster 2. Collaborative Working Relationships
- For the following competency descriptions please tick all that you feel you can currently provide evidence for:
- O Demonstrates use of appropriate communication to gain the co-operation of relevant stakeholders (including patients, senior and peer colleagues and other healthcare professionals)
- 480 o Demonstrates ability to communicate where the content of the discussion is explicitly defined
- O Demonstrates ability to work as a member of a team
- 483 Recognises personal limitations and refers to more appropriate colleague(s) when necessary
- 484 o None of the above
- 485 18. What further support (if any) do you feel would enable you to complete these competencies?
- 486 19. Cluster 3. Leadership
- For the following competency descriptions please tick all that you feel you can currently provide evidence for:
- 489 o Demonstrates understanding of the needs of stakeholders
 - Practice reflects relevant local and national policy
- O Demonstrates understanding of the pharmacy role in governance and implements appropriately
- 493 o Demonstrates understanding of, and contributes to, the workplace vision
- 494 o Demonstrates ability to improve the quality within limitations of the service
- o Reviews last year's progress and develops clear plans to achieve results within priorities set by others
- o Demonstrates ability to motivate self to achieve goals
- 498 O None of the above

499 20. What further support (if any) do you feel would enable you to complete these competencies? 500 21. Cluster 4. Management 501 For the following competency descriptions please tick all that you feel you can currently provide 502 evidence for: 503 Demonstrates understanding of the implications of national priorities for the team and/or 504 service 505 Demonstrates understanding of the process for effective resource utilisation 506 Demonstrates understanding of, and conforms to, relevant standards of practice 507 Demonstrates ability to identify and resolve risk management issues according to 508 policy/protocol 509 Follows professional and organisational policies/procedures relating to performance 510 management and refers to colleagues as appropriate Demonstrates understanding of the principles of project management 511 512 Demonstrates understanding of the principles of change management 513 Demonstrates ability to think 4-12 months ahead within a defined area. Demonstrates ability to extend boundaries of service delivery within the team 514 None of the above 515 516 22. What further support (if any) do you feel would enable you to complete these competencies? 517 23. Cluster 5. Education, Training and Development 518 For the following competency descriptions please tick all that you feel you can currently provide 519 evidence for: 520 Understands and demonstrates the characteristics of a role model to members in the team 521 and/or service 522 Demonstrates understanding of the mentorship process 523 Demonstrates ability to conduct teaching and assessment effectively according to a learning plan with supervision from a more experienced colleague 524 525 Demonstrates self-development through continuous professional development activity Participates in the delivery of formal education programmes 526 527 Demonstrates an understanding of current educational policies relevant to working area of 528 practice 529 None of the above 530 24. What further support (if any) do you feel would enable you to complete these competencies? 531 25. Cluster 6. Research For the following competency descriptions please tick all that you feel you can currently 532 533 provide evidence for: 534 Demonstrates ability to critically evaluate and review literature 535 Demonstrates ability to identify where there is a gap in the evidence base to support 536 practice 537 Demonstrates ability to describe the core features of research protocols 538 Demonstrates ability to generate evidence suitable for presentation at local level

Demonstrates ability to apply the research evidence base into working practice

Demonstrates understanding of the principles of research governance

539

541 Demonstrates ability to work as a member of the research team 542 None of the above 543 26. What further support (if any) do you feel would enable you to complete these competencies? 544 27. Following the previous exercise, please rank the RPS clusters in order of level of support you feel you require to allow personal development. 545 546 (1 - most support to 6 - least support) 547 o Expert Professional Practice Collaborative Working Relationships 548 549 Leadership Management 550 Education, Training and Development 551 Research & Evaluation 552 553 28. What format do you believe professional development support post VT2 should take? 554 29. Thank you for taking the time to complete this survey. If you have any comments on your 555 experience of professional development post VT2 please comment below. 556 30. Following the results of this survey there may be a focus group or further survey. If you would

like to be a part of this please include your email address in the box below.