

BMJ Open Survey to identify research priorities for primary care in Scotland during and following the COVID-19 pandemic

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ABSTRACT

Objectives To identify research priorities for primary care in Scotland following the COVID-19 pandemic.

Design Modified James Lind Alliance methodology; respondents completed an online survey to make research suggestions and rank research themes in order of priority.

Setting Scotland primary care.

Participants Healthcare professionals in primary care in Scotland and members of primary care patient and public involvement groups. 512 respondents provided research suggestions; 8% (n=40) did not work in health or social care; of those who did work, 68.8% worked in primary care, 16.3% community care, 11.7% secondary care, 4.5% third sector, 4.2% university (respondents could select multiple options). Of those respondents who identified as healthcare professionals, 33% were in nursing and midwifery professions, 25% were in allied health professions (of whom 45% were occupational therapists and 35% were physiotherapists), 20% were in the medical profession and 10% were in the pharmacy profession.

Main outcomes Suggestions for research for primary care made by respondents were categorised into themes and subthemes by researchers and ranked in order of priority by respondents.

Results There were 1274 research suggestions which were categorised under 12 themes and 30 subthemes. The following five themes received the most suggestions for research: disease and illness (n=461 suggestions), access (n=202), workforce (n=164), multidisciplinary team (MDT; n=143) and integration (n=108). One hundred and three (20%) respondents to the survey participated in ranking the list of 12 themes in order of research priority. The five most highly ranked research priorities were disease and illness, health inequalities, access, workforce and MDTs. The disease and illness theme had the greatest number of suggestions for research and was scored the most highly in the ranking exercise. The subtheme ranked as the most important research priority in the disease and illness theme was 'mental health'.

Conclusions The themes and subthemes identified in this study should inform research funders so that the direction of primary healthcare is informed by evidence.

Strengths and limitations of this study

- ⇒ A transparent and systematic Delphi approach was used to identify research priorities.
- ⇒ The methods used provide a shared understanding of research priorities for primary care among nurses, pharmacists, allied health professionals and medical professionals, and patient and public involvement group members.
- ⇒ We do not know how many healthcare professionals received the survey which means that we are unable to report a response rate; however, this study included 54 key partner organisations representing the range of primary care professions.
- ⇒ We did not conduct a literature search to assess gaps in evidence relating to the research priorities.

INTRODUCTION

The COVID-19 pandemic has had a significant impact on primary care,^{1–3} and so it is timely to set research priorities in order to support recovery. Primary care is the foundation of equitable and affordable healthcare,⁴ especially in countries with universal coverage and a National Health Service (NHS) as in the UK.⁵ Scotland, as a devolved nation, is responsible for the funding and planning of its healthcare system with high-quality primary care at the heart of its vision.⁶ High-quality primary care needs to be underpinned by high-quality research and evaluation.⁷ Primary care is usually a person's first point of contact with the NHS⁸ and it is where most patient contacts occur.⁶ In this study, we adopted the following definition of primary care that has been agreed by a range of professional organisations in Scotland:

Primary care is provided by generalist health professionals, working together in multidisciplinary and multiagency networks across sectors, with access to the expertise of specialist colleagues. All primary care professionals work flexibly



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using local knowledge, clinical expertise and a continuously supportive and enabling relationship with the person to make shared decisions about their care and help them to manage their own health and wellbeing.⁹

Vertical (ie, disease-specific) approaches to healthcare have been effective at reducing morbidity and mortality from specific conditions but have been criticised for detrimentally affecting the resources available to and capacity of local primary care.¹⁰ Research priorities set from a generalist and multiprofessional perspective are also important and of value to patients and carers.^{11–14} The high and increasing prevalence of multimorbidity associated with population ageing means that there is an increasing need for care which focuses on supporting people with multiple conditions.¹⁵ Hence, there is a need to set both vertical (disease) and horizontal (generalist primary care) research priorities in order to guide research investment and direct resource allocation that will ultimately provide a robust evidence base to underpin the development and delivery of primary care.

A number of previously published studies have identified primary care research priorities and the reach of these studies has varied with research priorities variously being developed internationally,¹⁶ in low and middle-income countries,¹⁷ in the European Union¹⁸ or in single countries.¹⁹ An argument for setting research priorities in one country, or a cluster of similar countries is because the challenges faced by primary care in different countries vary due to factors such as population characteristics (eg, an ageing population), diverse social cultures and norms and different healthcare systems (eg, public and private healthcare systems).¹⁸ Research priorities identified in several previous research prioritisation exercises include how primary care should be financed, organised and staffed,^{16–20} the importance of implementation and translation of knowledge and evidence into primary care,^{16 19} addressing multimorbidity,^{16 19 20} promoting health equity,^{16 19} promoting healthy behaviours in the population,^{16 19} universal health coverage and health access,^{16 17} digital delivery of primary care^{16 19} and the involvement of patients in the design and delivery of primary care.^{16 19}

The aim of this study was to identify primary care research priorities in Scotland and set a research direction that will be relevant for patients, carers and generalist healthcare professionals in the aftermath of the coronavirus pandemic. This is the first comprehensive, generalist health professional project of primary care research priorities since the 2020 onset of the coronavirus pandemic. It is designed to strengthen future evidence for primary care to improve health outcomes.

METHODS

This study adapted the James Lind Alliance (JLA) methodology.²¹ The steering group for the project was the

Scottish School of Primary Care Executive (<http://www.sspc.ac.uk>), which included an individual from a primary care patient and public involvement (PPI) group, clinical academics and primary care researchers from Scottish universities. The following steps were taken to deliver the project.

Steps 1 and 2: identifying key partners and raising awareness of the study

‘Key partner’ organisations were identified through a process of peer knowledge and consultation, and through the steering group members’ networks. Fifty-four key partner organisations agreed to participate by advertising the project and circulating the link to the survey to their members (online supplemental file 1: Key partners).

Step 3: identifying research priorities

The steering group administered an online survey via the key partner organisations for respondents to identify an initial set of research priorities (online supplemental file 2: Research priorities survey). Healthcare professionals in primary care in Scotland were eligible to participate in the identification and prioritisation of research for primary care. Members of primary care PPI groups were also invited, including members of the National Research Scotland Primary Care PPI group. A period of 3 months was given to complete the survey (4 December 2020 to 1 March 2021). Responses were solicited with the following open-ended query that was used in a previous international JLA primary care research priorities project: ‘Please suggest up to three important primary care research questions’.¹⁶ Responses were anonymous (no names were requested during the survey). Respondents were asked to provide an email if they were willing to participate in subsequent steps of the project, but these emails were stored separately from the submitted priorities. Results were downloaded from online survey to an Excel spreadsheet for the purposes of analysis in step 4.

Step 4: analysis and identifying research themes and subthemes

The submissions of all respondents were analysed collectively. Suggestions for research by respondents were grouped into themes and subthemes by two members of the steering group (GH, FG), with the theoretical framework developed iteratively over several meetings including involvement of a third member of the group (SWM) to resolve disagreements. Suggestions for research were allowed to be categorised under more than one theme. If a group of suggestions on the same topic totalled <1% (ie, ≤12 suggestions) of the total number of research suggestions then a theme was not created. Subthemes were identified within a theme when approximately ≥10% of suggestions were on a similar topic. Theme and subtheme names were chosen from current policy and literature, for example, subthemes for the theme ‘access’ were drawn from a published definition of ‘access’ which included provision and availability of primary care services, equity

of access, people's use of services and barriers to getting access as well as the dimension of effectiveness of using the service.²²

The submissions of the subgroup who were not health and social care professionals (n=40) were included in the above exercise and also analysed separately to determine if there were any themes that were unique to this group.

Step 5: ranking themes and research prioritisation

The aim of the final stage of the priority setting process was to rank the primary care research themes in order of priority. The respondents in step 3 who wished to participate in this step were invited by email to rank the list of the summary research themes and subthemes in order of priority. This exercise was done using an online survey, which was open for 1 month. Respondents were asked to rank 12 research themes that had been identified in step 4 in order of priority, and to rank all subthemes.

PPI and engagement

Several meetings between GH and the National Research Scotland Primary Care PPI group were held so that patients could contribute towards developing the protocol for this study. This group was also a key partner.

RESULTS

Respondent characteristics

There were 512 respondents. Eight per cent (n=40) of respondents did not work in health or social care and therefore for the purposes of this study were regarded as patients, carers and members of the general public. Of those who did work, 68.8% worked in primary care, 16.3% community care, 11.7% secondary care, 4.5% third sector, 4.2% university (respondents could select multiple options for place of work). **Table 1** shows the health and social care professions of respondents (n=472).

Of those respondents who were healthcare professionals, 33% were in nursing and midwifery professions regulated by the Nursing and Midwifery Council, 25%

in allied health professions regulated by the Health and Care Professions Council (of whom, 45% were occupational therapists and 35% were physiotherapists), 20% were in the medical profession regulated by the General Medical Council and 10% were in the pharmacy profession regulated by the General Pharmaceutical Council.

Research themes and subthemes

The total number of research suggestions was 1274. Research suggestions were categorised under 12 themes and 30 subthemes (**table 2**). The 12 themes and their associated subthemes are positioned in order of the quantity of suggestions for research. Five themes had over 100 suggestions for research; these were 'disease and illness', 'access', 'workforce', 'multidisciplinary teams' (MDT) and 'integration'. Hence, based on the number of suggestions for research, these are the top five priorities for research.

The theme with the most suggestions for research was 'disease and illness'; the associated subthemes indicate multiple long-term conditions. The subtheme with the most suggestions for research under this theme was 'mental health'. The theme with the second most suggestions for research was 'access' and included suggestions about the availability of primary care services, utilisation of these services and barriers to access, the relevance and effectiveness of these services and equity of access. 'Workforce' was the theme that had the third most suggestions for research and included suggestions about recruitment and retention of primary care staff, training and development, workload, staff mental health and General Medical Council (GMS) contract. 'Multidisciplinary teams' was the theme that contained the fourth most suggestions for research. Twenty-eight per cent of suggestions about MDTs did not specifically refer to a particular profession, 23% referred to nurses, 17% occupational therapists, 13% allied health professions, 8% pharmacists, 4% physiotherapists and 3% psychologists. Forty-five per cent of pharmacists (n=22) provided a suggestion categorised under the theme MDT, followed by 42% (n=51) of Allied Health Professionals (AHPs), 23% (n=22) of medical professionals, 22% (n=35) of nurses and 20% (n=1) of dentists. 'Integration' was the theme that had the fifth most suggestions for research; associated subthemes were multiagency working and collaboration, social prescribing and continuity of care. Examples of research suggestions for each theme can be found in online supplemental file 3.

Figure 1 shows the themes of respondents who were not a health and social care professional (n=40). It shows that most research suggestions of this subgroup were categorised under the themes 'disease and illness' and 'access'. These were the themes with the highest number of research suggestions in the total group of respondents. The theme 'integration' had the third highest number of research suggestions and the theme 'self-care' had the fourth highest number of suggestions for research in this

| Profession | n=472 (%) |
|---|------------|
| Allied health profession regulated by Health and Care Professions Council | 120 (25.4) |
| Dentistry regulated by General Dental Council | 5 (11) |
| Medicine regulated by General Medical Council | 95 (20.1) |
| Nursing or midwifery regulated by Nursing and Midwifery Council | 157 (33.3) |
| Pharmacy regulated by General Pharmaceutical Council | 49 (10.4) |
| Social work regulated by Scottish Social Services Council | 2 (0.4) |
| Other | 44 (9.3) |

**Table 2** Themes and associated subthemes in order of the quantity of research suggestions that were categorised under each theme and subtheme (n=512 respondents)

| Theme | n* | Subthemes | n* |
|----------------------------------|-----|---|-----|
| Disease and illness | 461 | Mental health | 168 |
| | | COVID-19 | 58 |
| | | Long-term conditions | 42 |
| | | Obesity | 27 |
| | | Diabetes | 18 |
| | | Dementia | 16 |
| | | Frailty | 14 |
| | | Addiction | 14 |
| Access | 202 | Availability and presence of services | 72 |
| | | Utilisation of services and barriers | 61 |
| | | Relevance and effectiveness of services | 43 |
| | | Equity | 26 |
| Workforce | 164 | Recruitment and retention | 58 |
| | | Training and development | 54 |
| | | Workload | 31 |
| | | Mental health | 22 |
| | | General Medical Council (GMS) contract | 11 |
| Multidisciplinary teams (MDT) | 143 | – | – |
| Integration | 108 | Multiagency working and collaboration | 74 |
| | | Social prescribing | 20 |
| | | Continuity of care | 14 |
| Digital healthcare | 96 | Remote consultations | 56 |
| | | Remote care | 23 |
| | | IT systems | 12 |
| | | Telephone triage | 5 |
| Self-care | 84 | Lifestyle | 44 |
| Primary/secondary care interface | 62 | Communication | 9 |
| | | Continuity of care | |
| Medications | 55 | – | – |
| Health inequalities | 30 | Deprivation | 15 |
| Carers | 19 | – | – |
| Patient involvement | 13 | Research | 7 |
| | | Care | 6 |

*Number of research suggestions categorised under a theme and subtheme. Not all suggestions made by respondents were categorised under a theme or subtheme.
IT, information technology.

subgroup whereas these themes were fifth and seventh in the total group of respondents.

Ranking of research themes and subthemes

One hundred and three (20%) respondents to the survey participated in ranking the list of 12 themes in order of research priority (table 3). The five most highly ranked themes were as follows: 19.4% of respondents chose 'disease and illness', 17.4% chose 'health inequalities', 14.5% chose 'access', 12.6% chose 'workforce' and 12.6%

chose 'multidisciplinary team' as their number one top research priority. Hence, based on this ranking exercise, these are the top five priorities for research.

Within the most highly ranked theme 'disease and illness', eight subthemes were ranked. 'Mental health' was selected as the top priority by 37.9% of respondents, followed by 23% of respondents choosing 'long-term conditions' as their top research priority under this theme. Four subthemes were ranked in order of

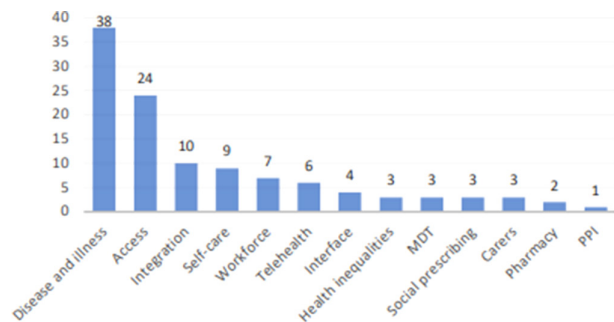


Figure 1 Themes of respondents who were not health and social care professionals (n=40 respondents). MDT, multidisciplinary theme; PPI, patient and public involvement.

priority under the ‘access’ theme. Thirty-seven per cent of respondents chose ‘availability and presence of primary care services’ as their top priority for research under this theme, followed by 25% of respondents selecting ‘relevance and effectiveness’. Four subthemes were also ranked in order of priority within the ‘workforce’ theme. Twenty-nine per cent of respondents chose ‘recruitment and retention’ as their top priority for research under this theme, followed by 23% of respondents selecting ‘workload’. There was only one subtheme identified during the survey for the main theme ‘health inequalities’ and no subthemes for ‘multidisciplinary teams’ and so we did not ask respondents to conduct any further ranking under these themes. No subgroup analysis was conducted because we did not know which respondents (eg, if they worked in health and social care) from the survey participated in the ranking exercise.

DISCUSSION

The study illustrates the quantity and breadth of research topics suggested primarily by primary care

healthcare professionals. The study highlights that there are some differences between the themes with the greatest number of suggestions for research (table 2) and the themes scored highly in the ranking exercise (table 3); we therefore present both as a basis for research prioritisation. The ranking of research themes in order of research priority identified the following top five priorities: ‘disease and illness’, ‘access’, ‘workforce’, ‘multidisciplinary teams’ and ‘health inequalities’. The theme ‘integration’ attracted many suggestions for research by respondents although only 6% of respondents ranked it as their number one priority for research in the ranking exercise. The theme ‘health inequalities’ was highly ranked although this theme attracted relatively few suggestions for research compared with other themes that made it into the top five priorities for research. Why the theme ‘health inequalities’ attracted relatively few suggestions for research could be a consequence of having a much smaller number of respondents participating in the ranking exercise compared with the number of respondents involved in providing suggestions for research (103 vs 512) or it could be that people think and choose differently when given a prespecified list of themes to rank in order of research priority.

The study shows that the top two priorities for research—‘disease and illness’ and ‘access’—for the total group of respondents were also the top two priorities for research when the subgroup of respondents who did not work in health and social care were analysed separately. However, there were some differences in the number of research suggestions for other themes, which highlights that research priorities may vary depending on which groups of the population are involved in the prioritisation exercise.

The study shows that priorities for research may vary by profession. We show, for instance, that a higher proportion of respondents in the pharmacy profession and AHPs made suggestions for research about MDTs compared with medical professionals and nurses. However, a strength of this study is that it presents priorities for research identified across a wide range of professions.

The most highly ranked theme was ‘disease and illness’ and its subthemes include the most common conditions treated in primary care, most of which are long-term conditions. For all the conditions listed, including mental health problems, it is more common for people to have multimorbidity (two or more conditions) than the single condition alone.¹⁵ What the suggestions for research categorised under this theme represent is recognition that the effective management in primary care of long-term conditions, either as a single chronic condition or multimorbidity, is going to be crucial for the nation’s health. This focus on long-term conditions represents a shift in focus in research priorities for primary care. In a study conducted just over 20 years ago in Scotland, a key research priority for primary care was acute illness.²³

Table 3 Themes ranked as the number 1 top research priority (n=103 respondents)

| Theme | Respondents ranking as top research priority (n) |
|----------------------------------|--|
| Disease and illness | 20 |
| Health inequalities | 18 |
| Access | 15 |
| Workforce | 13 |
| Multidisciplinary teams | 13 |
| Integration | 6 |
| Primary/secondary care interface | 5 |
| Digital healthcare | 4 |
| Self-care | 4 |
| Patient involvement | 4 |
| Medications | 1 |
| Care | 0 |



Not surprisingly, COVID-19 was one of the conditions recommended by respondents for research because the study took place during the pandemic. Whether 'Long COVID' becomes classified as a new long-term condition is yet to be seen but research about the prevalence, persistence, management and long-term consequences of COVID-19 in primary care will be important to policy and practice in the foreseeable future. It is perhaps surprising that COVID-19 vaccination development, or at least its delivery in primary care, did not feature as a prominent suggestion for research since the first vaccine was given on 8 December 2020 in the UK and this survey was open between 4 December 2020 and 1 March 2021. A qualitative study exploring respondents' rationales for their suggestions for research would provide a much richer understanding of prioritisation for research including reasons why certain topics are not prioritised.

Mental health is one of the top 10 most common conditions for seeking a general practitioner (GP) or practice nurse consultation in primary care in Scotland⁸ and was the topic that received the most suggestions for research. Again, mental health came to the fore during the global pandemic but was also a key public health concern and was identified as a research priority beforehand in countries such as Scotland²³ and Australia.¹⁹ During the COVID-19 pandemic a specific mental health concern has been highlighted, which is primary care staff stress and burnout and its potential effects on recruitment and retention.²⁴ The Health and Care (Staffing) (Scotland) Act 2019²⁵ provides a statutory basis for the provision of staffing, and highlights a duty by government to ensure that there are sufficient numbers of appropriate staffing for the provision of safe and high-quality healthcare, appropriate training and the well-being of staff. The number of suggestions for research about the primary care workforce that were provided in this study implies that there may be perceived challenges in fulfilling this statutory duty. Staffing levels and work intensity also featured in a study identifying primary care patient safety research priorities in the UK that was published in 2019,²⁰ which suggests that workforce concerns are not just pertinent to the pandemic, although the pandemic may have exacerbated workforce challenges.

The previous research prioritisation study in Scotland identified 'organisation of care' as a key theme and gave reducing inequalities in access to healthcare and reducing inequalities in health as examples under this theme. Twenty years on, access to primary care and health inequalities remain important research priorities. Health inequalities and access to services are two themes that have been identified as priorities in previous primary care research prioritisation exercises conducted in other countries, which implies that these are persistent concerns of global interest that merit further investigation.^{16 17 19} Communication and coordination between care providers, for instance, was

a top 10 research priority for primary care patient safety in the UK.²⁰ The study found that specific aspects of organisation of care were important research priorities, namely 'multidisciplinary teams' and 'integration'. The 'Health and Social Care integration: progress review'²⁶ published in 2019 stated that the main reason for integration was so that care 'feels seamless' for patients. The vision for primary care in Scotland is for an enhanced and expanded multidisciplinary community,²⁷ including GPs, alongside other health professionals such as nurses, dentists, pharmacists and allied health professionals.²⁸ Vaccination services, pharmacotherapy services, community treatment and care services, urgent care services and additional professional services including acute musculoskeletal physiotherapy services, community mental health services and community link worker services were shifted from GP contractors to the responsibility of other professions, although with GPs maintaining a professional role in these services in their capacity as expert medical generalists. Respondents' suggestions for research and the ranking exercise reflect these policy shifts with recommendations for future research to include a focus on MDTs and integration. Health and social care organisations' response within the first 6 months of the COVID-19 pandemic required multidisciplinary effort across organisational boundaries in Scotland.²⁹ Hence, future pandemics, as well as remobilisation and recovery phases of the current pandemic, may benefit from research to inform a multidisciplinary approach to care.

Strengths and limitations

The main strengths of this study are that we used an established transparent and systematic approach to identifying research priorities and it involved a large number of healthcare professionals in Scotland. There were 512 respondents, of which 472 were health and social care professionals; this is the largest number of healthcare professionals engaging in a research prioritisation exercise about primary care research in Scotland and in other countries.^{17 19 20} There are, however, a number of limitations. The study was reliant on the key partners advertising the survey and we do not know how many healthcare professionals received the survey, which means that we are unable to report a response rate. We did not explore respondents' reasons for proposing research suggestions or ranking themes. We were not able to describe which respondents (eg, if they worked in health and social care and their profession) from the survey participated in the ranking exercise. We did not conduct a systematic literature review to assess gaps in evidence, which is often used in research prioritisation exercises to inform the final selection of top research priorities. Conducting robust literature reviews in relation to the five prioritised themes in future research would be valuable. The study was conducted during the second wave (September 2020 to April 2021)³⁰

of the pandemic when staff were already stretched to their limit by having to make major changes to their patterns of work. The research priorities highlighted by respondents must therefore be interpreted in this Scottish context. It is possible that a different set of priorities will emerge in the future as the impact of COVID-19 evolves.

CONCLUSION

There is a need to set research priorities in order to guide research investment and direct resource allocation that will ultimately provide a robust evidence base to underpin the development and delivery of relevant quality services for patients in primary care. The findings of this research prioritisation exercise can inform the future direction of research for primary care in Scotland. The themes identified in this study may be used by a broad range of stakeholder groups, including research funders, professional organisations, policy makers, charities and PPI groups, to facilitate the setting of the course of research for primary care.

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Contributors GH is the author acting as guarantor. GH, LMP, SC, MM, MB, BG and SWM conceived and designed the study. FG administered the survey. GH, FG and SWM conducted the analysis and interpreted the data. GH, LMP, SC, MM, BG, SWM, FG and MB drafted the manuscript and revised it critically for important intellectual content, and gave final approval of the version of the manuscript to be published. GH, LMP, SC, MM, BG, SWM, FG and MB agree to be accountable for all aspects of the work.

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Patient consent for publication Not required.

Ethics approval Independent advice was sought from NHS Grampian Research Ethics Committee and University of Highlands and Islands Research Ethics Committee, who both advised that the project did not require research ethics review because the study was identifying research priorities and not conducting the research.

Provenance and peer review Not commissioned; externally peer reviewed.

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REFERENCES

- Lynch P, Wainwright D. Coronavirus: how GPs have stopped seeing most patients in person 2020, 2020. Available: <https://www.bbc.co.uk/news/uk-england-52216222> [Accessed 27 April 2020].
- Thornton J. Covid-19: how coronavirus will change the face of general practice forever. *BMJ* 2020;368:m1279.
- Pettigrew LM, Kumpunen S, Mays N. Primary care networks: the impact of covid-19 and the challenges ahead. *BMJ* 2020;370:m3353.
- Starfield B, Shi L, Macinko J. Contribution of primary care to health systems and health. *Milbank Q* 2005;83:457–502.
- Berwick DM. A transatlantic review of the NHS at 60. *BMJ* 2008;337:a838.
- Scottish Parliament Information Centre. Primary care in Scotland. Edinburgh; 2019.
- Sullivan F, Hinds A, Pitkethly M, et al. Primary care research network progress in Scotland. *Eur J Gen Pract* 2014;20:337–42.
- The Scottish Parliament. *The National health service in Scotland: spice Briefing*. Edinburgh, 2016.
- The future of primary care in Scotland: a view from the professions, 2021. Available: <https://www.rpharms.com/Portals/0/The%20future%20of%20primary%20care%20in%20Scotland%20final%20> [Accessed 17 May 2021].
- De Maeseneer J, van Weel C, Egilman D, et al. Funding for primary health care in developing countries. *BMJ* 2008;336:518–9.
- Chalmers I, Glasziou P. Avoidable waste in the production and reporting of research evidence. *Obstet Gynecol* 2009;114:1341–5.
- Lockery JE, Collyer TA, Abhayaratna WP, et al. Recruiting general practice patients for large clinical trials: lessons from the Aspirin in Reducing Events in the Elderly (ASPREE) study. *Med J Aust* 2019;210:168–73.
- Gold R, Whitlock EP, Patnode CD, et al. Prioritizing research needs based on a systematic evidence review: a pilot process for engaging stakeholders. *Health Expect* 2013;16:338–50.
- Crowe S, Giles C. Making patient relevant clinical research a reality. *BMJ* 2016;355:i6627.
- Barnett K, Mercer SW, Norbury M, et al. Epidemiology of multimorbidity and implications for health care, research, and medical education: a cross-sectional study. *The Lancet* 2012;380:37–43.
- O'Neill B, Aversa V, Rouleau K, et al. Identifying top 10 primary care research priorities from international stakeholders using a modified Delphi method. *PLoS One* 2018;13:e0206096.
- Goodyear-Smith F, Bazemore A, Coffman M, et al. Primary care research priorities in Low-and middle-income countries. *Ann Fam Med* 2019;17:31–5.
- Schäfer W, Groenewegen PP, Hansen J, et al. Priorities for health services research in primary care. *Qual Prim Care* 2011;19:77–83.
- Heal C, Roberts G. General practice research priority setting in Australia: informing a research agenda to deliver best patient care. *Aust J Gen Pract* 2019;48:789–95.



- 20 Morris RL, Stocks SJ, Alam R, *et al*. Identifying primary care patient safety research priorities in the UK: a James Lind alliance priority setting partnership. *BMJ Open* 2018;8:e020870.
- 21 James Lind Alliance. *The James Lind Alliance Guidebook*. 9 ed. London, 2020.
- 22 Gulliford M, Figueroa-Munoz J, Morgan M, *et al*. What does 'access to health care' mean? *J Health Serv Res Policy* 2002;7:186–8.
- 23 Wyke S, Bond C, Morrison J. Research priorities in primary care. A report from the CSO's primary care implementation committee. *Health Bull* 2000;58:426–33.
- 24 House of Commons Health and Social Care Committee. *Workforce burnout and resilience in the NHS and social care*. London: House of Commons, 2021.
- 25 Scottish Government. *Health and care (staffing) (Scotland act)*. Edinburgh: Scottish Government, 2019.
- 26 Scottish Government. *Health and social care integration: progress review*. Edinburgh, 2019.
- 27 Scottish Government. *National health and social care workforce plan: Part three*. Edinburgh, 2018.
- 28 The Scottish Parliament. *Primary care in Scotland: SPICe Briefing*. Edinburgh, 2019.
- 29 Scottish Government. *Lessons identified from the initial health and social care response to COVID-19 in Scotland*. Edinburgh, 2021.
- 30 Office for National Statistics. *Coronavirus (COVID-19) infection survey technical article: waves and lags of COVID-19 in England*. London, 2021. <https://www.ons.gov.uk/peoplepopulationandcommunity/healthandsocialcare/conditionsanddiseases/articles/coronaviruscovid19infectionsurveytechnicalarticle/wavesandlagsocovid19inenglandjune2021>

Key partners

Academy of Medical Royal Colleges and Faculties in Scotland (the Scottish Academy)
Advanced Practice Physiotherapy Network
Autism Network Scotland
Association of Advanced Practice Educators UK
BMA General Practitioners Committee Scotland
Chair of Directors of Pharmacy, NHS Boards
Chartered Society of Physiotherapy
Chest Heart & Stroke
Chief Nursing Officer
COSLA - Convention of Scottish Local Authorities
The Scottish Deep End Project
Defence Primary Health Care Scotland
Director of Postgraduate GP Education East
Edinburgh Community Health Forum
General Practice Nursing NHS Education Scotland
Healthcare Improvement Scotland
Health and Social Care Scotland (including Chief Officer Group and IJB Chairs & Vice Chairs Network)
International Foundation for Integrated Care (IFIC)
Mental Health Foundation
National Academy for Social Prescribing
NHS Board Chief Executives
NHS 24 Stakeholder Engagement and Insight
NHS National Services Scotland (NSS)
NRS Primary Care PPI
Penumbra -supporting mental health and wellbeing
PHC Lead Nurse at SG/Primary Care General Practice Nursing
Postgraduate Dean for Pharmacy NES
Programme Director Nursing NES
Public Health Scotland Primary Care Co-Cell Lead
Public Health Scotland
QNIS / Queen's Nursing Institute Scotland
RCGP Scotland
The Richmond Group of Charities, on behalf of the Taskforce on Multiple Conditions
RNIB Scotland
Royal College of General Practitioners
Royal College of Occupational Therapists
Royal College of Nursing Scotland
Royal Pharmaceutical Society (Scotland)
Scottish Ambulance Service, Medical Director
Scottish Community Development Centre/Community Health Exchange
Scottish Government - Division of Primary Care
Scotland's House of Care Programme
Scottish Physiotherapy Amputee Research Group (SPARG)
Scottish Practice Pharmacist and Prescribing Advisors group
Scottish Rural Health Partnership
Scottish Rural Medicine Collaborative
SIGN Scottish Intercollegiate Guidelines Network
Sight Action

SPIRE clinical lead

The Association of Chartered Physiotherapists in Sports and Exercise Medicine

The Health and Social Care Alliance

The Society and College of Radiographers

Voluntary Health Scotland



Scottish School of Primary Care

Scotland Primary Care Research Prioritisation Exercise survey

We are asking you to complete a short survey (3 questions that will take about 5 minutes to complete) that will ultimately lead to a Top Ten list of priorities for primary care research in Scotland. Before completing the survey please find some information about the study. Please only complete the survey if you live or work in Scotland. **Consent - Sorry you cannot proceed if you do not consent to take part.**

* *Required*

Before completing the survey please find some information about the study.

Scotland Primary Care Research Prioritisation Exercise

Our goal is to provide a clear direction for future primary care research so that it benefits the lives of individuals and families, and increases the amount of funding for the most important primary care research. We want to see research made even better with your input.

Purpose of the project

High-quality primary care is underpinned by high-quality research.

The disease COVID-19 that is caused by a new strain of coronavirus is likely to re-direct research priorities and shift research agendas in primary care.

The aim of this project is to reach a consensus for primary care research priorities in Scotland where uncertainties remain and set a research direction that will be relevant for patients, carers and generalist healthcare professionals for the next 5 years.

It is designed to strengthen future evidence about primary care to improve health outcomes.

Who should do the survey?

Anyone living in Scotland who uses primary care services(patients and carers) or who are healthcare professionals working in Scotland will be eligible to participate in the identification and prioritisation of uncertainties.

Who is leading the project?

The project is led by the Scottish School of Primary Care. Our **key partners** are:

Academy of Medical Royal Colleges and Faculties in Scotland (the Scottish Academy)

Advanced Practice Physiotherapy Network

Autism Network Scotland

Association of Advanced Practice Educators UK

BMA General Practitioners Committee Scotland

Chair of Directors of Pharmacy

Chartered Society of Physiotherapy

Chest Heart & Stroke

Chief Nursing Officer

Community Pharmacy Scotland

COSLA – Convention of Scottish Local Authorities

Director of Postgraduate GP Education

Defence Primary Health Care Scotland

Edinburgh Community Health Forum

General Practice Nursing – NHS Education Scotland

Healthcare Improvement Scotland

Health and Social Care Partnerships

Health and Social Care Scotland (including Chief Officer Group and The IJB Chairs & Vice Chairs Network)

International Foundation for Integrated Care (IFIC)

Mental Health Foundation

National Academy for Social Prescribing

NHS Chief Executives Board

NHS National Services Scotland (NSS)

NRS Primary Care Network PPI group

NRS Primary Care Network

Penumbra -supporting mental health and wellbeing

PHC Lead Nurse at SG/Primary Care General Practice Nursing

Postgraduate Dean for Pharmacy NES

Programme Director Nursing NES

Public Health Scotland Primary Care Co-Cell Lead

Public Health Scotland

Queen's Nursing Institute Scotland

RNIB Scotland

Royal College of General Practitioners

Royal College of Nursing Scotland

Royal College of Occupational Therapists

Royal Pharmaceutical Society (Scotland)

Scottish Ambulance Service

Scottish Community Development Centre / Community Health Exchange

Scottish Government - Division of Primary Care

Scotland's House of Care Programme

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The Health and Social Care Alliance

The Richmond Group of Charities, on behalf of the Taskforce on Multiple Conditions

The Scottish Deep End Project

The Society and College of Radiographers

Voluntary Health Scotland

Who is funding the project?

The Scottish Government financially supports the Scottish School of Primary Care.

What about confidentiality?

You can respond anonymously to this survey – you do not have to give your name or contact details. If you are a healthcare professional we will ask you what your occupation is.

Who do I contact for further information about the study?

Prof Gill Hubbard is leading this project. She is a co-deputy director of the Scottish School of Primary Care.

She can be contacted at the following address or by email:

Prof Gill Hubbard, Department of Nursing, University of the Highlands and Islands, Highland Campus, Centre for Health Science, Old Perth Road, Inverness, IV2 3JH.

Email: gill.hubbard@uhi.ac.uk

What if I wish to complain about the study?

You can submit a written complaint about the study to: Prof Annetta Smith, Department of Nursing, University of the Highlands and Islands, Highland Campus, Centre for Health Science, Old Perth Road, Inverness, IV2 3JH.

Or you can contact her by telephone on: 01851 708250

Or you can email her at: Annetta.Smith@uhi.ac.uk

What will happen with the results?

Outputs will include academic papers, lay reports, infographics and social media feeds.

The project results could be used by funding bodies and decision-makers to influence the types of studies that are conducted by an array of researchers who are typically engaged in primary care research including general practitioners, nurses, pharmacists, psychologists, sociologists, anthropologists, statisticians, health economists, and health services researchers.

Scotland Primary Care Research Prioritisation Exercise survey

Primary care is provided by generalist health professionals, working together in multidisciplinary and multiagency networks across sectors, with access to the expertise of specialist colleagues. All primary care professionals work flexibly using local knowledge, clinical expertise and a continuously supportive and enabling relationship with the person to make shared decisions about their care and help them to manage their own health and wellbeing.

About you: Where do you live most of the time?

Are you an unpaid carer? An unpaid carer is defined as someone who is caring but does not have a contract or doing it as voluntary work.

Please select exactly 1 answer(s).

- Yes
- No

Do you consider yourself to have a long-term condition?

Please select exactly 1 answer(s).

- Yes
- No

Do you work in health and / or social care?

Which sector do you work in?

What sector do you work in? (please tick all that apply)

- Community Care
- Government (local or national)
- Primary Care
- Secondary Care
- Third Sector
- University
- Other

If you selected Other, please specify:

What is your main profession? (please select one)

- Allied health profession regulated by Health & Care Profession Council (Please write it down)
- Dentistry regulated by General Dental Council
- Medicine regulated by General Medical Council
- Nursing or Midwifery regulated by Nursing & Midwifery Council
- Pharmacy regulated by General Pharmaceutical Council
- Social work regulated by Scottish Social Services Council
- Other

If you selected 'Allied Health Profession' or 'Other', please specify:



Research to Improve Primary Care

What topics, issues and concerns do you think are important to research to improve primary care for the next 5 years? Please suggest up to three (in any order)

Suggestion 1.

Suggestion 2.

Suggestion 3.

Would you be willing to be involved in the next stage where you will be asked to rank a list of research questions in order of priority then please provide your email address:

Please provide email address:

What happens next..

You have been directed here if you did not consent to take part in the survey OR you have now completed the survey.

What will happen with the results?

Outputs will include academic papers, lay reports, infographics and social media feeds.

The project results could be used by funding bodies and decision-makers to influence the types of studies that are conducted by an array of researchers who are typically engaged in primary care research including general practitioners, nurses, pharmacists, psychologists, sociologists, anthropologists, statisticians, health economists, and health services researchers.

Final page

Thank you for taking part in the survey.

Key for selection options

1 - We are asking you to complete a short survey (3 questions that will take about 5 minutes to complete) that will ultimately lead to a Top Ten list of priorities for primary care research in Scotland. Before completing the survey please find some information about the study. Please only complete the survey if you live or work in Scotland. Consent - Sorry you cannot proceed if you do not consent to take part.

I consent to take part in the survey

I do not consent to take part

2 - About you: Where do you live most of the time?

Scotland

Not in Scotland

5 - Do you work in health and / or social care?

Yes

No

9 - Would you be willing to be involved in the next stage where you will be asked to rank a list of research questions in order of priority then please provide your email address:

Yes

No

Theme 1 'Disease and illness' sub-theme 'mental health' examples

| Topics | Suggestion examples |
|---------------------------|---|
| Children and young people | <ul style="list-style-type: none"> • Mental health services in children and adolescents • How can primary and secondary care better work together to care for children and young people with mental disorder, ranging from ADHD to anorexia nervosa. • Improving mental health services. There has been a huge increase in maternal mental health and child and adolescent mental health issues since the Covid 19 pandemic. |
| Management | <ul style="list-style-type: none"> • Development of mental health support for those with mental wellbeing difficulties presenting to primary care and being managed in primary care- support worker for self-help and counselling etc • Proactive management of anxiety and mental health - aiming to audit and address this growing unmet need within primary care. • Management plans. Social, spiritual, mental health, where and how you would like to die. |
| Access | <ul style="list-style-type: none"> • Improved access to mental well-being support • Mental health provision • Availability of mental health services for adults |
| Covid-19 | <ul style="list-style-type: none"> • The impact of isolation to people's mental wellbeing during Covid • Deterioration in the mental health of people with Autism and learning difficulties during Covid |
| MDT | <ul style="list-style-type: none"> • Issue - lack of AHP particularly OT in primary care. Patients with mental health problems or complex comorbidity who do not meet the criteria for secondary care services cannot access OT services until they become very unwell. Goes against early intervention. • Why there are not more funded training places for people to deliver psychological interventions, i.e. psychologists, when demand greatly outweighs number of spaces currently available, and waiting lists are enormous. |
| Remote consultations | <ul style="list-style-type: none"> • Mental health services, particularly remote access |
| Self-care | <ul style="list-style-type: none"> • Eating well for your mental health |
| Early intervention | <ul style="list-style-type: none"> • Early access to mental health services in the community |
| Medication | <ul style="list-style-type: none"> • Inappropriately long durations of antidepressants |
| Carers | <ul style="list-style-type: none"> • The impact on the mental health of unpaid carers. Who is caring for the carers? What percentage of carers die before the cared for? |
| Equity | <ul style="list-style-type: none"> • The effect on the mental health of people who rely on charities to do their weekly shop |

Theme 1 'Disease and illness' sub-theme 'Covid-19' examples

| Topics | Suggestion examples |
|------------------|--|
| Management | <ul style="list-style-type: none">• Post Covid what the primary care consulting model will look like and how patients will be triaged in the future with potential infections• Long Covid and its issues for patients- what should services look like to support these patients?• Interventions in the community for post-Covid care IT - suggested assessments or interventions especially managing risk etc. |
| Lived experience | <ul style="list-style-type: none">• Living with long Covid'• Post Covid symptoms – long-term recovery and support |
| Mental health | <ul style="list-style-type: none">• Long term effects of Covid-19 on anxiety, depression, especially in young people• Mental health - impact of Covid on patients |
| Vaccination | <ul style="list-style-type: none">• Long term side effects of Covid immunisation and the overall effect – how often will we need a vaccine and what's the longevity of the antibodies? |

Theme 1 'Disease and illness' sub-theme 'long-term conditions' examples

| Topics | Suggestion examples |
|----------------------|--|
| Management | <ul style="list-style-type: none">• Management of long-term conditions• Disparity over how we deliver long term condition management and how that affects outcomes• Long term condition monitoring, does it improve morbidity and mortality? If so, for which conditions and what is optimum review interval and requirements' |
| Self-care | <ul style="list-style-type: none">• Self-care of long-term conditions• Supporting patients living with long term conditions to take control of them with support from health care professionals |
| Remote consultations | <ul style="list-style-type: none">• Remote consultant in long term condition management• Use of remote consultation on management of long-term chronic conditions as this group have a high DNA rate for face to face appointments |
| Prevention | <ul style="list-style-type: none">• Primary prevention of long-term conditions. What would really work in the real world |

Theme 1 'Disease and illness' sub-theme 'obesity' examples

| Topics | Examples |
|------------|---|
| Prevention | <ul style="list-style-type: none">• Better resources and treatments for prevention of obesity, once a patient has gained significant weight very difficult to remove and sustain. |
| Management | <ul style="list-style-type: none">• Weight management/exercise• Obesity management strategies that are accessible for all |

Theme 1 'Disease and illness' sub-theme 'diabetes' examples

| Topics | Examples |
|------------------|---|
| Prevention | <ul style="list-style-type: none">• Diabetes and Obesity at all ages. More needs to be done about healthy eating and life style• Type 2 Diabetes - lifestyle management & prevention of disease or disease progression |
| Medication | <ul style="list-style-type: none">• Cost benefits of GLP-1 receptor activators• Effects of lifestyle v drugs for Diabetes and CV disease and how to effectively deliver these |
| Lived experience | <ul style="list-style-type: none">• Pre-diabetes and progression to type 2 diabetes and the patients experience and what they feel could have been done differently |

Theme 1 'Disease and illness' sub-theme 'dementia' examples

| Topics | Examples |
|--------------------|---|
| Management | <ul style="list-style-type: none">• Dementia service / resource• Alternatives to 24hr large group residential settings vs group houses or entire dementia communities to allow safeguarding and independence |
| Lived experience | <ul style="list-style-type: none">• Experience of persons with Dementia / L Disability in Inpatient acute care |
| Early intervention | <ul style="list-style-type: none">• Implementation of OT services for early intervention for people with a dementia diagnosis• More timely diagnosis and access to dementia support. Dementia assessment and treatment to be separate from Mental Health services. |
| Carers | <ul style="list-style-type: none">• Support for carers |

Theme 1 'Disease and illness' sub-theme 'frailty' examples

| Topics | Examples |
|--------------------|--|
| Management | <ul style="list-style-type: none">• With an ageing population, a continued long-term strategy to address falls and fragility from cradle to grave• Approaches to frailty and last-years-of-life trajectories. |
| Mental health | <ul style="list-style-type: none">• Impact of COVID/Isolation on mental health within the frail elderly population |
| Early intervention | <ul style="list-style-type: none">• Early intervention for prevention in frailty |
| Lived experience | <ul style="list-style-type: none">• Frailty of people living in own homes |

Theme 1 'Disease and illness' sub-theme 'addiction' examples

| Topics | Examples |
|--------------------|---|
| Management | <ul style="list-style-type: none">• The role of Occupational Therapy within addiction, recovery and treatment teams |
| Medication | <ul style="list-style-type: none">• Supporting people with alcohol and drug issues and polypharmacy |
| Lived experience | <ul style="list-style-type: none">• Recovery from Addictions |
| Mental health | <ul style="list-style-type: none">• Mental health services including drug and alcohol and children's services. |
| Early intervention | <ul style="list-style-type: none">• The effect of early intervention (beyond Brief Intervention) on those identified with harmful drinking levels - preventing progress onto Hazardous drinking |

Theme 2 'Access' sub-theme 'availability and presence of services' examples

| Topics | Examples |
|---------------------|---|
| Provision | <ul style="list-style-type: none">• Primary care access to psychological therapies and counselling Access to primary care services• How to build in sustainable service developments, particularly that can become community assets• Management of mental health and service availability |
| Care closer to home | <ul style="list-style-type: none">• Access to services in the community/ more funding for community-based hubs• Transfer of services to primary care so that care can be delivered closer to patients' homes, do centralised services such as care and treatment services improve patient care?• Impacts on rural communities in accessing healthcare with redesign to hub healthcare |

Theme 2 'Access' sub-theme 'utilisation and service barriers' examples

| Topics | Examples |
|--|--|
| Accessing healthcare professionals | <ul style="list-style-type: none"> • Access to nurse and GP appointments • Easy access for patients to GPs and other health professionals. Some may find it difficult to get appointments • Easier access to Medical Professionals' 'Patient access to the wider multidisciplinary team and breaking down barriers that are stopping this |
| Organisational barriers | <ul style="list-style-type: none"> • Patient access to GP face to face appointments • How to improve harder to reach patients accessing health services • Far better transport access to hospitals, either public or NHS |
| Waiting times | <ul style="list-style-type: none"> • Waiting times • Quicker access to primary care input to prevent escalation to secondary care services • What impact does a 2 year waiting list for psychological therapy have on mental health patients? • Impact of reduced time with the GP and longer waiting times on health outcomes |
| Patient understanding and expectations | <ul style="list-style-type: none"> • 'First contact physio service- need to improve patient understanding • Access to services - how to reduce inappropriate demand to improve available provision |
| Out of hours | <ul style="list-style-type: none"> • 7 day access to GP surgeries |
| Accessing during pandemic | <ul style="list-style-type: none"> • Impact of access challenges in immediate phase 1 of Covid on diagnosis of chronic conditions e.g. depression |
| Health literacy | <ul style="list-style-type: none"> • Addressing health literacy to improve outcomes |

Theme 2 'Access' sub-theme 'relevance and effectiveness of services' examples

| Topics | Examples |
|---------------|---|
| Right service | <ul style="list-style-type: none">• How mental health services are meeting the needs of patients within primary care• How Primary care become more responsive to the needs of the community• Effects of 'long Covid' on patients and access to effective treatment• Evaluation of impact of changes to patient engagement with GP practices (including different models, like care navigation, GP first triaging etc |
| Right time | <ul style="list-style-type: none">• Access to early intervention on Mental Health concerns before they worsen• Triage to improve access to the right the person at the right time• How can we improve care for the housebound (who now often end up with reactive care from random professionals |

Theme 2 'Access' sub-theme 'equity' examples

| Topics | Examples |
|----------------|---|
| Access for all | <ul style="list-style-type: none">• Ensuring that services are accessible, acceptable, available and high quality, in line with a rights-based approach to ensuring that services support our shared right to the highest attainable standard of health• Unwarranted variation in care and medicines use across Scotland |
| Rurality | <ul style="list-style-type: none">• The numbers of people living rurally, with no access to a car and miles from the nearest GP practice and the effect on their mental and physical health |
| Deprivation | <ul style="list-style-type: none">• Communication poverty to improve accessibility, participation and citizenship |

Theme 3 'workforce' sub-theme examples

| Sub-theme | Examples |
|---------------------------|---|
| Recruitment and retention | <ul style="list-style-type: none">• Encourage GPs in primary care• Staff shortages in district nursing |
| Training and development | <ul style="list-style-type: none">• Sharing of best practice and protocols for routine work• Sensory awareness and communication training for all primary care service staff |
| Workload | <ul style="list-style-type: none">• Looking at pay/ employment rights/ annual leave of all practice nurses across Scotland and standardising it• The patient contact workload of GPs and impact on GP workforce and safety |
| Mental health | <ul style="list-style-type: none">• Supporting staff's wellbeing when working from home• Burnout in the primary care workforce |
| GMS contract | <ul style="list-style-type: none">• Impact of the 2018 GP contract |

Theme 4 ‘multi-disciplinary team’ examples

| Theme | Examples |
|-------|--|
| MDT | <ul style="list-style-type: none"><li data-bbox="660 360 1102 389">• Added value of MDT in primary care?<li data-bbox="660 405 1246 472">• Primary care is becoming more of an MDT; patient perspectives on this?<li data-bbox="660 488 1054 517">• Effectiveness of nurse-led clinics<li data-bbox="660 533 1299 622">• Unique contribution of occupational therapy service provision in early intervention for prevention model of service delivery within MDT in primary care setting<li data-bbox="660 638 1299 663">• What is the role of the General Practice Nurse in 2030? |

Theme 5 'Integration' sub-theme examples

| Sub-theme | Examples |
|--|--|
| Multi-agency working and collaboration | <ul style="list-style-type: none">• Links with primary care and community rehabilitation teams• Impact of care at home through multi-agencies versus controlled agency commitment• Prioritisation in the context of health and social care need (not just health need)• Inclusive Communication Strategy across all primary care services |
| Continuity of care | <ul style="list-style-type: none">• How Primary care can ensure continuity of care between themselves and the patient• Tools to measure continuity of care reliably |
| Social prescribing | <ul style="list-style-type: none">• How to ensure the majority GPs to actively promote and utilise social prescribing• The extent to which community link workers in primary care practices are making measurable differences to patients' wellbeing and to health inequalities |

Theme 6 'health inequalities' examples

| Theme | Examples |
|---------------------|---|
| Health inequalities | <ul style="list-style-type: none">• What measurable impact will primary care make on health inequalities across Scotland over the next 5 years? |
| Deprivation | <ul style="list-style-type: none">• Poverty and the impact this has on health and wellbeing |