BMJ Open  Building a practice-based research network for healthcare integration: a protocol paper for a mixed-method project

Sanne Peters, Samantha Paubrey Chakraborty, Christopher Barton, Elizabeth Ann Sturgiss, Danielle Mazza, Maria De Leon - Santiago, Timothy Staunton-Smith, Grant Russell

ABSTRACT

Introduction  Practice-based research networks (PBRNs) are sustained collaborations between healthcare professionals, researchers and members of the community that develop, conduct and report on research relevant to local needs. While PBRNs have traditionally been focused towards primary care practices and their patients, there has been increasing interest in how they may help facilitate healthcare integration. Yet, little is known on the ways in which PBRNs can best integrate with the broader healthcare system, in particular Advanced Health Research and Translation Centres. The overall project aim is to build a sustainable collaboration between a PBRN and an Advanced Health Research and Translation Centre to generate a research platform suitable for planning, undertaking and translating research to improve care across the healthcare continuum.

Methods and analysis  We will use a developmental evaluation design. Our iterative approach will be informed by a programme logic model and consists of: preparation work (pre-implementation assessment, literature review, community and stakeholder engagement), adaptation and building for a sustainable collaboration (strategy for recruitment and sustenance of members) and planning for network action (designing and implementing priority initiatives, monitoring and follow-up).

Ethics and dissemination  This project was approved by the Monash Health ethics committee (ERM Reference Number: 76281; Monash Health Ref: RES-21-0000-392L) and the Monash University Human Research ethics committee (Reference Number: 29786). Dissemination will take place via various channels, including relevant national and international committees and conferences, peer-reviewed journals and social media. Continuous dissemination to and communication with all participants in this project as well as other relevant stakeholders will help strengthen and sustain the network.

BACKGROUND

Practice and research often operate within separate silos. Practice-based research networks (PBRNs) have been seen as one approach to break down the barriers between these two worlds. PBRNs are sustained collaborations between primary care professionals, researchers, members of the community and policymakers that develop, conduct and report on research relevant to local healthcare needs. They have shown the potential to act as vehicles for conducting primary care research in a range of Western nations.

PBRNs have the potential to act as research laboratories for generating research-based solutions to questions that matter to local primary care professionals and to facilitate healthcare improvement. They have been seen as critical to the process of speed up the translation of research into practice and play a central role in optimising the quality of care in the local setting. They can reinforce the formation of new partnerships linking the needs of local communities, healthcare professionals, academics, funding agencies and policymakers.

While PBRNs have traditionally been focused around the needs of primary care providers and their patients, there has been increasing interest in their potential to contribute to broader healthcare integration. In the context of primary care, integrated care represents a network of multiple professionals and organisations across the health and social care system providing accessible, comprehensive and coordinated services to a population in a community. Such integration has been encouraged as a means to improve access, quality and continuity of...
services in a more efficient way, especially for individuals with complex needs.\textsuperscript{10-14}

The concept of integrated care has become a focus of Australia’s National Health and Medical Research Council’s Advanced Health Research and Translation Centre (AHRTC) initiative.\textsuperscript{15} AHRTCs, very similar to Academic Health Science Centres in other nations are designed to improve the health and well-being of patients and communities through strengthening collaboration between health services and research institutions, building research and research translation capacity and promoting health service leadership focused on priorities relevant to both health services and surrounding populations.

There has been increasing interest in the potential for PBRNs to represent a point of reference for research and collaboration between teaching hospitals, universities, community-based services and primary care practices. Monash Partners, located in Eastern and South East Melbourne in Australia aims to facilitate such connections between researchers, clinicians and the community to innovate for better health and well-being.

While many PBRNs have been established in Australia\textsuperscript{16} and overseas, little is known about the ways in which PBRNs can best integrate with the broader healthcare system, in particular AHRTC.

This project arose from a collaboration between Monash Partners and the Department of General Practice at Monash University, and its associated PBRN, the Monash practice-based Research Network (MonReN). The overall project aim is to build a sustainable collaboration between a PBRN (MonReN) and an AHRTC (Monash Partners) to generate a research platform suitable for planning, undertaking and translating research to improve care across the healthcare continuum.

**Objectives**

Over the course of 18 months we will:

1. Map the current environment within the Monash Partners region.
2. Identify and engage key stakeholders.
3. Learn from international best practice.
4. Tailor the current governance strategy for a contemporary, translational environment.
5. Design research projects that capitalise on the benefits of a PBRN-AHRTC collaboration.

**METHODS AND ANALYSIS**

**Design**

We will use a developmental evaluation design\textsuperscript{17,18} while building the foundations for a sustainable PBRN-AHRTC collaboration.

The developmental evaluation design is an iterative approach in which researchers gather data about the factors affecting a programme’s functioning within a complex environment. When an intervention takes place under complex conditions, numerous factors interact and influence each other, making it impossible to predict what will happen as the intervention moves forward.\textsuperscript{17,18} The approach recognises the importance of adapting programmes to the circumstances of complex social environments.\textsuperscript{19-21} It is especially useful when adapting a programme to emerging conditions, modifying approaches for use in new contexts, developing scalable innovations and generating feedback about an innovation as it moves forward.\textsuperscript{19,22}

**Setting**

The project takes place in the catchment area of Monash Partners, one of Australia’s 10 accredited AHRTC, which is in the South East and Eastern regions of Melbourne in the state of Victoria. Monash Partners represent four state funded health services (Alfred Health, Monash Health, Peninsula Health and Eastern Health), two private hospitals ( Cabrini Health and Epworth HealthCare) three medical research institutes (the Burnet Institute, Hudson Institute, Baker Heart and Diabetes Institute), Monash University and two associate partners (La Trobe University and Latrobe Regional Hospital).

The Monash Partners catchment area includes about 3.2 million Australians. It is a diverse and rapidly growing population. The ethnic and cultural diversity includes 49\% of community members born overseas and 57\% with both parents born overseas. About 3\% of the population being Indigenous. Over 100 languages are spoken, 58\% of community members speak only English at home and there are more children, less professionals and lower income in the Monash Partners catchment area in comparison to national averages. The catchment area also hosts the highest density of refugees nationally.

**An iterative approach with multiple phases**

Our iterative approach consists of three phases (see box 1) and is informed by a programme logic model (see figure 1). Our preliminary logic model is based on previous PBRN literature\textsuperscript{1-23} and represents the

<table>
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<th>Box 1 Overview of the three phases of the project</th>
</tr>
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<td><strong>Phase 1: Preparation work</strong></td>
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<td>1.1 Pre-implementation assessment.</td>
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mechanisms and potential consequences of the activities within each phase of our project.24–26 Throughout the project, our logic model will be continuously refined. The project started at the end of January 2021 and is expected to end by July 2022.

**Phase 1: preparation work**

**1.1 Pre-implementation assessment**

We will assess key contextual and organisational features likely to influence sustainability and impact of the PBRN-AHR TC collaboration. In consultation with key stakeholders, we will map the current environment, as recommended by previous research,27–29 including community practice capacity and potential, Monash Partners’ capacity and data availability.

MonReN has been engaging with community general practices for almost a decade. We will map past and current involvement of practices in teaching and research and willingness to engage in a PBRN in the future (including what the participants would want from a PBRN).

Monash Partners has access to key opportunities for research capacity building for researchers and clinicians in the region. We will scope the potential for community primary care clinicians and researchers to benefit from these opportunities.

We will avoid duplication of effort by building on the capacity of Monash Partners, the Primary Health Networks and existing links between the Department of General Practice and Monash Partners. We will map key data sources available in our region and nationally, such as data held by data providers, the Australian Government Pharmaceutical Benefits Scheme, hospital admission databases, emergency department utilisation and Medical Benefit Schedule. This will also incorporate mapping and documentation of potential data platforms including assessment of capability and primary care interest.

**1.2 Literature review**

Phase 1 will be complemented by a scoping review of the literature to identify best practices regarding PBRNs. The review will seek to understand how to develop a PBRN, how to sustain it and how to evaluate PBRN performance. Besides this broad approach, we are also more specifically interested in how primary care PBRNs have ensured integration with the broader healthcare system.

This scoping review will be conducted in accordance with the framework presented by Arksey and O’Malley, as updated by Levac et al.30–32 and will comply with the Preferred Reporting Items for Systematic Reviews and Meta-Analyses-Extension for Scoping Reviews checklist.33

**Search strategy**

The following databases will be searched for relevant literature: Ovid MEDLINE, Embase, CINAHL and Scopus. We will include studies concerning primary care Practice-Based Research Networks and collaborations with the broader healthcare system. We define ‘primary care’ as settings related to healthcare service delivery to individuals within the community.24 The search terms will include ‘Practice-based Research Network*’, ‘PBRN*’, ‘practice-based research’, ‘practice research network*’ and ‘integrated care’ (See online supplemental appendix 1).
Study selection

This scoping review will consider for inclusion papers published after 2000 that have quantitative, qualitative and mixed-methods study designs, as well as commentaries and editorials. Studies solely situated in the hospital setting/secondary care will be excluded. Reviews will not be eligible but we will screen reference lists for eligible studies that were not identified by our search strategy. Grey literature will purposely be excluded to optimise the veracity of the findings.

We will use an iterative approach to select studies for inclusion. All identified records will be collated and uploaded into Covidence (Veritas Health Innovation, Melbourne, Australia). Following a pilot test, titles and abstracts will be screened independently by two reviewers for assessment against the inclusion criteria. The researchers will meet several times during the selection process to create a shared understanding of the inclusion criteria and to discuss any challenges. The full text of selected citations will be assessed in detail by two independent reviewers. Any disagreements that will arise between the reviewers at each stage of the selection process will be resolved through discussion or with a third reviewer.

Charting the data

Once all included studies are identified, a data extraction tool will be created and pilot tested. The data extraction will be done by multiple researchers and frequent discussions will help to get a shared understanding of the data. The findings of this review will help inform the next steps in our project.

1.3 Community and stakeholder engagement

1.3.1 Identifying and engaging key stakeholders

We will develop, in consultation with our partners a skills matrix of all relevant areas of expertise and stakeholder roles, including General Practitioners (GPs), GP practice managers/owners, GP practice nurses, Monash Partners representatives, hospital clinician researchers, health service-based research representatives, Primary Health Networks representatives, public health researchers, professional GP organisation representative, policymakers (community health services or state government), representatives of local, state or federal government and patient representatives.

This matrix will lead to an initial list of potential stakeholders, who will be recruited using the snowballing recruitment method, starting with the members of the investigators team approaching key contacts who may be interested in collaborating. Engaged stakeholders will be asked to suggest other relevant candidates. Initial contact will take place via phone or email to assess interest and consent will be requested for the project manager to send a follow-up email including an invitation, a participant information letter and Informed Consent Form.

Patient and public involvement

Community members will be involved at all levels of the project, including the governance. We have allocated funds for engaging community members in line with the principles of equity, trust and transparency. Monash Partners has extensive experiences in public and patient involvement. We can build on their expertise and have a patient representative collaborating on this project. Throughout this project we strive for a participatory level of community engagement. This includes strong bidirectional relationships, equally shared decision-making and strong emphasis on partnership building.

1.3.2 Defining governance structure

The eight investigators (including academic GPs, public health and primary care researchers and implementation scientists) will monitor the project’s progress and make strategic decisions together with a stakeholder advisory committee (comprising general practitioners, community members, policymakers, a public health researcher familiar with primary care, a leader from another PBRN and a representative from Monash Partners and MonReN). The stakeholder advisory committee will also help facilitate the translation of project findings into policy and practice.

1.3.3 Assessing stakeholders’ needs

We want to gain an insight into key stakeholders’ needs and relevant contextual factors in order to make the integrated PBRN as suitable as possible to the local context and enhance a bottom-up developmental process.

Data collection

Semi-structured interviews will be conducted with key stakeholders as identified in 1.3.1 and this qualitative research will be informed by the COREQ (Consolidated criteria for Reporting Qualitative research) checklist. The interview guide was developed by the research team and a pilot interview will help to refine the interview questions. The guide contains the following main topics: participants’ personal experiences with practice-based research and data-led healthcare improvements, participants’ perspectives on potential partnerships between healthcare professionals, academics and data providers and stakeholders’ needs about a research network on integrated care. Several versions of the interview guide were created to adjust the questions based on the background and expertise of the interviewees: Participants working in GP practices, other healthcare staff, community members and academics. All interview guides are included in online supplemental appendix 2. Interviews will be audio-recorded, transcribed and de-identified through the use of ID numbers or pseudonyms for people and places.

Data analysis

Data analysis will be iterative and based on the principles of thematic analysis. After an inductive coding process, recurring themes will be identified. NVivo software V.20 will be used to facilitate the coding process. Based on
sample size recommendations for qualitative research, an initial sample of 15 participants will be recruited. This initial data set will be assessed for thematic saturation. If no new themes emerge, data saturation is deemed to be reached and no additional individuals will be recruited. If saturation is not achieved, a further two interviews will be conducted until data saturation is reached.

The key findings of the interviews will be summarised and reviewed by the investigator team in order to provide a deeper understanding, identify priority gaps and offer perspectives on how the contextual factors might influence the design of our integrated PBRN. The key findings will also be used to discuss during the collaborative decision-making process around priorities.

### 1.3.4 Collaborative priority-setting

We want to involve as many local stakeholders as possible in the decision-making process around priorities for the integrated PBRN. These priorities could be research related (e.g., stakeholders’ interest in research in the area of infectious diseases) or non-research related (e.g., professional development opportunities within the network).

### Pre-reading

One week before the actual group discussion, participants will receive a summary of key findings from our scoping review and interviews. This information will be discussed at the start of the group meeting.

### Group discussion

The decision-making process will take place during a group discussion, based on the principles of the nominal group technique. The process will involve four stages: silent idea generation, small group discussions, big group discussion and prioritisation.

Each participant will independently record their responses to the following questions before sharing them with a small group:

1. What kind of collaboration do you foresee between general practices, other healthcare professionals, researchers and data networks?
2. Which research priorities do you suggest for such a collaboration?
3. Which non-research-related aspects are important in order to make this collaboration as successful as possible?

All ideas will be recorded by a facilitator who will then lead a group discussion where each idea is discussed, grouped and clarified. Afterwards, individuals can vote privately to indicate their priorities and results are anonymously fed back to the group. A detailed guide has been developed to structure the group discussion (see online supplemental appendix 3).

It is anticipated that 30–40 individuals participate in the group discussion and it will be approximately 2 hours in duration. It is our intention to have a face-to-face meeting at an accessible location in the South East region of Melbourne, if allowed by the governmental public health regulations at that time. We will also have an online alternative, if a face-to-face meeting is not allowed. In that case, we will use a virtual platform that has ‘break out rooms’ to have one-on-one or small group discussions and has the possibility for individual voting.

### Evaluation

Consensus will be reached if 80% of all participants agree on the prioritisation of both research and non-research-related aspects. Pertinent aspects of the discussion will be recorded by note takers and all items on which agreement was reached will be summarised in a consensus document. A short evaluation form will be distributed at the end of the group discussion (see online supplemental appendix 4). The data will be used to give some context to the findings of the group discussion and be used to improve future group discussions.

The prioritisation of both research topics and non-research-related aspects for the PBRN-AHRTC collaboration will be used to inform the next stage of the project.

### Phase 2: adaptation and building for a sustainable PBRN-AHRTC collaboration

#### 2.1 Strategy for recruitment and sustainment of members

Using the outputs from Phase 1, we will tailor the PBRN-AHRTC collaboration to meet the needs of the region. We will engage with general practices, community members and members of the AHRTC to build a structured approach to membership. Additionally, marketing strategies and communication channels will be developed to maintain communication with and among all members.

The strengths of clinicians and academics will be showcased in up to four networking and education events. The events will be open to those interested in joining. It will highlight care and research across the healthcare continuum. It is also anticipated that Monash Partners will have research capacity building opportunities that clinicians and researchers will be able to participate in and could incorporate formal activities for which GPs can claim Continuing Professional Development points.

### Phase 3: planning for PBRN-AHRTC action

#### 3.1 Designing and implementing priority initiatives

The last part of the 18 months will be used to design and implement priority initiatives.

The two highest research priorities, as identified in the group discussion, will be co-designed with community members and implemented in the local region. This will allow the integrated PBRN to pragmatically implement the process for moving from an identified research priority to actual research in practice. Within the first 12 months we will plan the projects with a view to carrying them out in the following year. Funding opportunities will be sought as certain priority initiatives might require extra funding for implementation and scale up.

Besides the non-research-related priorities that will be identified during the group discussion, the integrated PBRN also aims to target two non-research-related...
priorities, such as organising networking and educational events.

3.2 Monitoring and follow-up
The set-up process will be evaluated after the first year. The findings from the literature review will help us develop suitable key indicators to assess, monitor and follow-up on performance of the PBRN-AHRTC collaboration. Performance indicators might relate to the number of practices engaged, attendance at the events, ability to communicate with members, development of the practice database system and ability to develop priority initiatives.

DISCUSSION
The outcomes of all the iterative phases in this development approach will be used to inform our strategy for building a sustainable collaboration between a primary care PBRN and an AHRTC in our local context. The developmental evaluation design will help us to adapt our strategies and activities to the circumstances of the complex social environment in our region.

This project aims to achieve a research platform for designing, undertaking and reporting on research to improve care within the whole healthcare system. Expected outputs, early outcomes and late outcomes are outlined in our preliminary logic model (see figure 1).

Potential impact
For community general practice, this collaboration provides a mechanism for undertaking research that answers questions of relevance to them and their patients plus a better connection to the broader healthcare system. For Monash Partners, this collaboration will offer key insights into the critical connection between primary and secondary care, improve mutual understanding and showcase national leadership in this emerging area of PBRN practice. Ultimately, it is hoped that this collaboration will improve population health, patient experiences, cost-efficiency, the work of healthcare providers and better integrated care.

The value of this platform is the long-term relationships between the Department of General Practice, community general practice, Monash Partners and the broader Monash Partners’ network. This is a two-way relationship that aims to be responsive to the needs of our region. Little has been published on the ways in which primary care PBRNs can best integrate with the broader healthcare system, in particular AHRTC. This project will showcase the collaboration between general practices and an AHRTC as an exemplar PBRN-AHRTC collaboration. It will be of interest to other PBRNs and AHRTCs as well as broader health organisations around Australia and internationally.

Ethics and dissemination
This project was approved by the Monash Health ethics committee (ERM Reference Number: 76281; Monash Health Ref: RES-21-0000-392L) and the Monash University Human Research Ethics Committee (Reference Number: 29786).

At the end of the project, all participants will receive a two-page summary of the research that they were involved in. Any feedback from participants will be taken into consideration prior to publication of the data. We will also disseminate the findings via presentations at relevant local, national and international committees and conferences, peer-reviewed journals, through social media and various communication channels of Monash Partners and the Department of General Practice, Monash University. This partnership approach will also enable broader dissemination through the networks of these partners (across university, health and policy).

Dissemination within the newly established PBRN-AHRTC collaboration will be crucial for sustaining the relationship. Given that PBRNs ideally foster longitudinal relationships and promote ongoing collaborations between researchers, healthcare providers and other community members, continued efforts will be required to sustain this collaboration. Continuous dissemination and communication of research projects as well as other non-research-related activities will help strengthen and sustain the connection between all stakeholders.
REFERENCES
Appendix 1: Search strategy for each included database

MEDLINE OVID (Ovid MEDLINE(R) and Epub Ahead of Print, In-Process, In-Data-Review & Other Non-Indexed Citations, Daily and Versions(R) 1946 to March 10, 2021)
1. practice-based research network*.mp. [mp=title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, organism supplementary concept word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms]
2. PBRN*.mp. [mp=title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, organism supplementary concept word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms]
3. practice-based research.mp. [mp=title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, organism supplementary concept word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms]
4. practice research network*
5. 1 or 2 or 3 or 4

EMBASE (via Ovid)
1. practice-based research network*.mp
2. PBRN*.mp
3. practice-based research.mp
4. practice research network*
5. 1 or 2 or 3 or 4

CINAHL plus
1. “practice-based research network*”
2. PBRN*
3. “practice-based research”
4. “practice research network*”
5. 1 or 2 or 3

SCOPUS
( TITLE-ABS-KEY ( “practice-based AND research AND network*” ) OR TITLE-ABS-KEY ( pbrn* ) AND TITLE-ABS-KEY ( “practice-based AND research” ) OR TITLE-ABS-KEY ( “practice AND research” AND network*” ) )
Appendix 2: Interview guides for assessing stakeholders’ needs

Interview guide for stakeholders working within general practices (GPs, Practice Nurses and Practice managers)

Introduction
• Can you tell me a bit about yourself?
• Can you tell me a bit about the practice you work for?
• What is your current role in this practice?

Personal experience with research
• Can you tell me about your personal experiences with research in general practice?
  o Prompt: What worked well for you? What did not work well? What is important to you if you are involved in research?

Data-led health care improvements
• Describe your experiences with data led health care improvement
• What barriers do you see between research and research translation into practice?
• How might those barriers be overcome?

Practice-based research network
• What kind of partnerships, if any, do you foresee between general practices, other healthcare professionals, researchers and data?
• Within the Department of General Practice, Monash University, there is an existing foundation, the Monash practice-based Research Network. Practice-Based Research Networks (PBRNs) are groups of GP practices, other healthcare staff and researchers who come together to develop, undertake and report on research relevant to local health needs. We would like to build on this existing foundation and strengthen the network.
  o Which challenges do you see for this network?
  o Which opportunities are possible?

Needs/opportunities
• What could motivate you to be part of such a network?
• In which way can such a network make your work at the practice easier?
• What do you think that you need in order to benefit from such a network?
  o Prompt: What is important for you? What are priorities in your view? (research and non-research related aspects)

Additional information
• Years of experience at the current practice
• Practice size (in full-time FTE equivalent)
• Past involvement with PBR(N)
• Past academic Primary care involvement (teaching or research)

Other interviewees
• Are there any other people we should speak to about this topic?
Interview guide for other healthcare staff and community members

Introduction
• Can you tell me a bit about yourself?
• Can you tell me a bit about the organisation you work for?
• What is your current role in this organisation?

Personal experience with research
• Can you tell me about your personal experiences with research?
  o Prompt: What worked well for you? What did not work well? What is important to you if you are involved in research?

Data-led health care improvements
• Describe your experiences with data led health care improvement
• How well would you say research and data is being used to improve health services?
• What barriers do you see between research and research translation into practice?
• How might those barriers be overcome?

Practice-based research network on integrated care
• What kind of partnerships, if any, do you foresee between general practices, other healthcare professionals, researchers and data?
• Within the Department of General Practice, Monash University, there is an existing foundation, the Monash practice-based Research Network. Practice-Based Research Networks (PBRNs) are groups of GP practices, other healthcare staff and researchers who come together to develop, undertake and report on research relevant to local health needs. We would like to build on this existing foundation and strengthen the network.
  o Which challenges do you see for this network?
  o Which opportunities are possible?

Needs/opportunities
• What could motivate you to be part of such a network?
• In which way can such a network make your work easier?
• What do you think that you need in order to benefit from such a network?
  o Prompt: What is important for you? What are priorities in your view? (research and non-research related aspects)

Other interviewees
• Are there any other people we should speak to about this topic?
Interview guide for academics

Introduction

• Can you tell me a bit about yourself?
• Can you tell me a bit about the organisation you work for?
• What is your current role in this organisation?

Personal experience with research

• Can you tell me about your personal experiences with research in integrated care?
  o Prompt: What worked well for you? What did not work well? What is important to you?

Data-led health care improvements

• Describe your experiences with data led health care improvement
• How well would you say research and data is being used to improve health services?
• What barriers do you see between research and research translation into practice?
• How might those barriers be overcome?

Practice-based research network on integrated care

• What kind of partnerships, if any, do you foresee between general practices, other healthcare professionals, researchers and data?
• Within the Department of General Practice, Monash University, there is an existing foundation, the Monash practice-based Research Network. Practice-Based Research Networks (PBRNs) are groups of GP practices, other healthcare staff and researchers who come together to develop, undertake and report on research relevant to local health needs. We would like to build on this existing foundation and strengthen the network.
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Needs/opportunities

• What could motivate you to be part of such a network?
• In which way can such a network make your work easier?
• What do you think that you need in order to benefit from such a network?
  o Prompt: What is important for you? What are priorities in your view? (research and non-research related aspects)

Other interviewees

• Are there any other people we should speak to about this topic?
Appendix 3: Running sheet for the group discussion

<table>
<thead>
<tr>
<th>Time</th>
<th>Item</th>
<th>Gear required</th>
<th>Set up</th>
</tr>
</thead>
<tbody>
<tr>
<td>7am (10mins)</td>
<td>Registration &amp; coffee/breakfast</td>
<td>Name tags</td>
<td>Registration desk</td>
</tr>
<tr>
<td></td>
<td>CONSENT FORMS</td>
<td>Signup sheet</td>
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<tr>
<td></td>
<td></td>
<td>Consent form</td>
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<tr>
<td></td>
<td></td>
<td>Coffee</td>
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<td></td>
<td></td>
<td>Breakfast</td>
<td></td>
</tr>
<tr>
<td>7:10am (10mins)</td>
<td>Intro to the integrated PBRN project</td>
<td>Powerpoint presentation</td>
<td>Seated, facing the front</td>
</tr>
<tr>
<td></td>
<td>Welcome, vision of the collaboration, overview of the project, key findings of the scoping review and interviews, the purpose of the group discussion</td>
<td>Projector</td>
<td></td>
</tr>
<tr>
<td>7:20am (5mins)</td>
<td>Intro to NGT process (facilitator)</td>
<td>Paper</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Facilitator describes what we’re doing and how it’s going to work</td>
<td>Pens/ textas</td>
<td></td>
</tr>
<tr>
<td>7:25am (5mins)</td>
<td>Silent idea generation</td>
<td>Paper</td>
<td></td>
</tr>
<tr>
<td></td>
<td>The participants respond to the following three questions by recording their ideas independently and privately on paper:</td>
<td>Pens/ textas</td>
<td></td>
</tr>
<tr>
<td></td>
<td>1) What kind of collaboration do you foresee between general practices, other healthcare professionals, researchers and data networks?</td>
<td></td>
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<td></td>
<td>2) Which research priorities do you suggest for such a collaboration?</td>
<td></td>
<td></td>
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<td></td>
<td>3) Which non-research related aspects are important in order to make this collaboration as successful as possible?</td>
<td></td>
<td></td>
</tr>
<tr>
<td>7:30am (20mins)</td>
<td>Small group discussions</td>
<td>Paper</td>
<td></td>
</tr>
<tr>
<td></td>
<td>These ideas are shared in small groups of 4 to 5 individuals.</td>
<td>Pens/ textas</td>
<td>10 tables</td>
</tr>
<tr>
<td>7:50am (20mins)</td>
<td>Big group discussion</td>
<td>Paper/flip charts</td>
<td></td>
</tr>
<tr>
<td></td>
<td>These ideas are then shared with the big group, with each small group sharing one item from their list. All ideas are recorded by a facilitator who documents the responses until all participants have no more original ideas. A flip chart or list of the responses is posted for all to see (with three different columns – one column of each question). The facilitator then leads a group discussion where each idea is discussed in turn, with similar ideas grouped together, and clarification provided.</td>
<td>Textas</td>
<td></td>
</tr>
<tr>
<td>8.10am (10mins)</td>
<td>Coffee break</td>
<td></td>
<td></td>
</tr>
<tr>
<td>8.20 am (35 mins)</td>
<td>Prioritisation</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>The prioritization process is about the following two questions:</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
- Which **research priorities** do you suggest for the collaboration?
- Which **non-research related** aspects are important in order to make this collaboration as successful as possible?

Participants discuss (10mins) in their small groups which of the identified needs (research and non-research aspects) matter most to them.

Afterwards, individuals vote privately on the items. They use a ‘hot dot’ (red coloured circle sticker) to stick next to what they feel are the main priorities. Each individual gets 6 stickers (3 stickers for non-research related aspects and 3 for research priorities).

The results are anonymously fed back to the group and discussed to reach a consensus about the three main priorities for research and non-research related aspects.

<table>
<thead>
<tr>
<th>Time</th>
<th>Activity</th>
</tr>
</thead>
<tbody>
<tr>
<td>8.55 am</td>
<td><strong>Summary/thanks/etc</strong></td>
</tr>
<tr>
<td>(5mins)</td>
<td>Evaluation form</td>
</tr>
</tbody>
</table>
Appendix 4: Evaluation form of the group discussion

<table>
<thead>
<tr>
<th>Please rate the following by ticking your response:</th>
<th>Strongly Disagree</th>
<th>Disagree</th>
<th>Neutral</th>
<th>Agree</th>
<th>Strongly Agree</th>
</tr>
</thead>
<tbody>
<tr>
<td>I had the chance to have my say at this group discussion.</td>
<td></td>
<td></td>
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<tr>
<td>The facilitator encouraged the airing of wide range of perspectives.</td>
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<tr>
<td>The group decisions reflect my personal views.</td>
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<tr>
<td>I have a good understanding of how the collaboration could work in our region.</td>
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<tr>
<td>Today’s event gave me an opportunity to network with professionals from other practices/organisations.</td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>The group discussion was a worthwhile use of my time.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

What were the best aspects of this group discussion?

___________________________________________________________________________
___________________________________________________________________________
___________________________________________________________________________
___________________________________________________________________________
___________________________________________________________________________

What could we have done better?

___________________________________________________________________________
___________________________________________________________________________
___________________________________________________________________________
___________________________________________________________________________
Would you, or your organisation, be interested in exploring the possibility of participating in future activities of this collaboration?

- No: Please provide a reason (optional):
  ___________________________________________
  ___________________________________________

- Yes: Please provide details of the most appropriate contact:
  
  Name: ____________________________________
  Organisation: ______________________________
  Email: ____________________________________
  Phone: ____________________________________

- Not applicable

Do you have any further comments or suggestions on this work?

__________________________________________
__________________________________________
__________________________________________
__________________________________________
__________________________________________