

Defining 'Missingness'



"The **repeated tendency** not to take up opportunities for care, such that it has a **negative impact on the person** and their life chances"

(Lindsay et al, 2023)

- Not one or two, but multiple missed appointments over an extended period of time
- Signifies **significant and enduring challenges** in accessing and engaging in healthcare









SMA Research Acknowledgements

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Researcher: Ross McQueenie

Collaborator: Mike Fleming

Trusted Third Party: Dave Kelly Albasoft

Participating GP practices

Colleagues at Scot Gov and eDRIS





Missed appointments results

136 Scottish representative GP practices

550 083 patient records

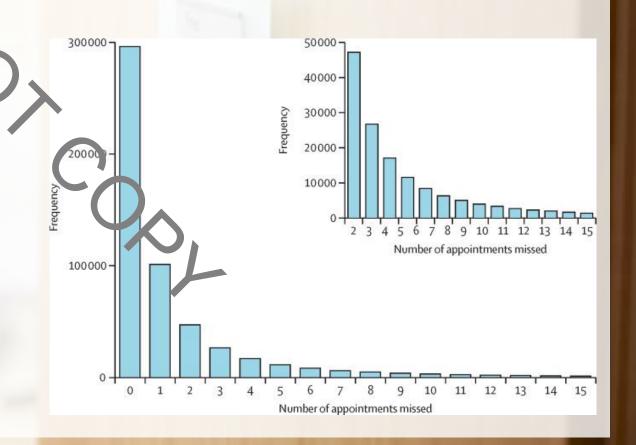
9 177 054 consultations

54-0% (297,002) missed no appointments

46-0% (212,155) missed one or more appointments

19-0% (104,461) missed more than two appointments

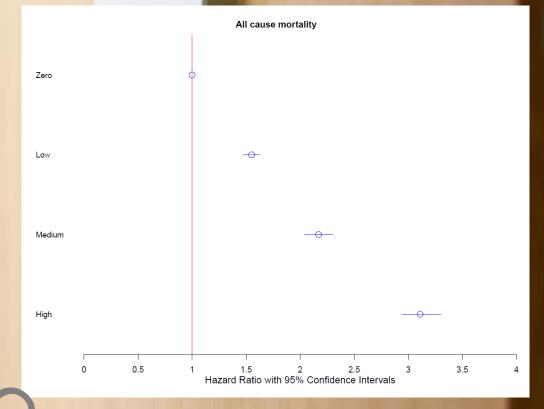
(Ellis, McQueenie et al Lancet Public Health 2017)

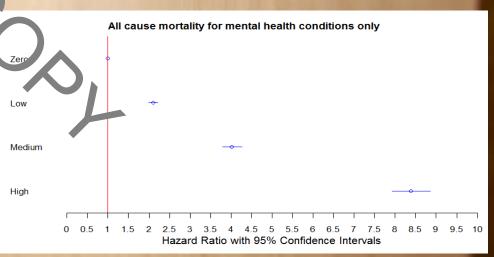




Epidemiology

- Patients at high risk of missingness are characterized by poor health, higher treatment burden, complex social circumstances and have higher premature mortality (McQr eenie et al BMC Medicine, 2019, Williamson et al Plos One 2021, Williamson et al PIGP Open 2020, McQueenie et al BMC Medicine 2021)
- General practice appointment scheduling and context is important (Ellis, McQueenie et al Lance Prolic Health 2017)
- Patterns of missingness persist across secondary care outpatients and inpatient 'irregular discharges'; patients are NOT seen in ED instead (Williamson et al Plos One 2021)
- Missingness is a strong risk marker for a
 poor outcome so needs urgent attention from
 health service planners and practitioners





Current Realist Research



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Methods



- I. Realist literature review (254 papers
- II. Interviews (61 participants)
- III. Stakeholder Advisory Group (16 participants)

Broad range of clinical, social and inclusion health backgrounds

Missingness caused by interaction between overlapping service- and patientside drivers, shaped by wider structural context, enduring over time.



"I haven't missed very many NHS appointments, but that's through *vast* amounts of effort. All these factors interplay and [...] it's surprising anyone ever gets outside the door because it's all stacked against you." (Sharon, Peer Support Worker, Inverclyde)

What causes missingness? (Lindsay et al 2024)



- Patients not feeling the service is 'for' them: necessary, helpful, appropriate, safe.
- Past experiences: mistreatment, poor communication, power imbalances, offers do not help/'fit.'
- **Getting there:** travel, transport, space and place.



"you see yourself as one of the least deserving people, when somebody reaches their haund... [...] because you believe already that you don't deserve it, you arenae gonnae take the haund..."

What causes missingness(2)? (Lindsay et al 2024)



- Access rules: difficult to understand/navigate; gatekeeping; delay; inflexibility; errors/mistakes.
- Competing demands/limited resources: appointments, work/money, relationships, survival.
- Mistrust/distrust: stigma, trauma, discrimination, mistreatment, misunderstanding, "easier" patients.



"There's a constant dynamic of conflict [...] and this is a theme you'll find from anybody you speak to, who has a child or an adult with complex health needs, a constant fight. And some people; they get exhausted, and they give up, and I can't blame them." (Jodie, Glasgow)

Intervention Development Process



Realist principles

- Synthesising literature, interview and StAG findings.
- Extended stakeholder involvement, for insight, contextual relevance and equity.
- "Changing relationships, displacing existing activities and redistributing and transforming resources". (Wight et al 2016)

The 6SQuID Method

- Define and understand the problem: from a "one size fits all" model to a missingness lens.
- 2. Identify factors that can and should be changed.
- ¾. Identify how to bring about change
 the "change mechanism" and
 how to deliver it in context.

Redefining the problem – a missingness lens



The 'situational' model	A missingness lens
Patient 'responsibilisation'	Services committed, resourced, incentivised to identify and address barriers
Shallow, monocausal perspective	Complex causality for individuals, in contexts (tailoring)
Technical, practical, logistical	Safety - struct ıral, cultural, relational, psychological
Standardised, service-oriented	Proportionate unive salism and positive selectivism
Biomedical models of healthcare	Condition Competency, addressing SDOH, poverty, & marginalisation
Hierarchical, service-oriented solutions	Person-centred approaches

Missingness Interventions (unpublished)



Designed as a 'suite' of activities - "a 'recyclable' core set of processes that can be judiciously applied." (Pearson et al 2015)

Implemented on a needs-led, patientcentred basis, oriented around **embedding a missingness lens.**

A systems perspective – creating conditions to disrupt the system that creates and sustains missingness.



Coordination: Open-ended, flexible, relational; bridging work; address SDOH and patient priorities, advocacy and promoting system change.

Resourcing a change in perspectives, practices, systems; staff development and support; build in localised perspectives; means for monitoring and accountability

Identifying and tracking local patterns and trends.

Exploring barriers while building relationships.

Building a picture – individual + collective.

Person-centred, traumainformed practices. Choice/continuity of staff; addressing comms needs and power dynamics; advocacy work. CONTACT AND

Contact before/after appts – reminders; orientation; explore immediate barriers; offers of support or care; check-ins; points of contact for patients.

A stepped, needs-led approach:

Tickets/reimbursement > taxis > accompaniment > outreach/inreach.

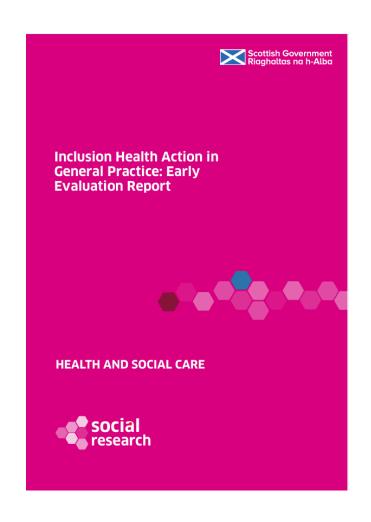
Prioritising for tailored forms of access: choice of how, when, who, where; longer appts/opening hours; allowances/accommodations.

Applying a Missingness lens in Service Design: Inclusion Health Action Fund in General Practice

- In March 2023, IHAGP was developed in response to one of the key recs from the SG Primary Care Health Inequalities Short-Life Working Group:
- Additional funding to around 70 SE deprived-area practices across Glasgow area
- To support specific actions to tackle challenges associated with health inequalities within their patient populations under 3 key areas:
 - 1. Building inclusive patient engagement/patient participation
 - 2. Enhancing workforce knowledge and skills for health inequalities
 - 3. Enabling proactive outreach and extended consultations*

^{*} Specifically with patients who are at high risk of physical or mental ill health due to poverty and inequality

IHAGP findings and evaluation



- Theme 3 most commonly chosen (52)
 - 7000+ extended consultations
 - Trairing events and resources shared
 - Impacts or understanding, approaches, practice policies, outcomes (for patients, teams, systems)
 - Evaluation Repor
 - Infographic

[Slides acknowledgement Dr Carey Lunan]

Template letter IHAGP



Dear [Patient's Name],

We're sorry you weren't able to make it to your appointment with [Clinician's Name] on [Date]. We hope everything is okay.

We understand that many things can make it hard to attend appointments — from health issues or family responsibilities, to stress or workies about coming in. Whatever the reason, please know we're here to support you, not to judge.

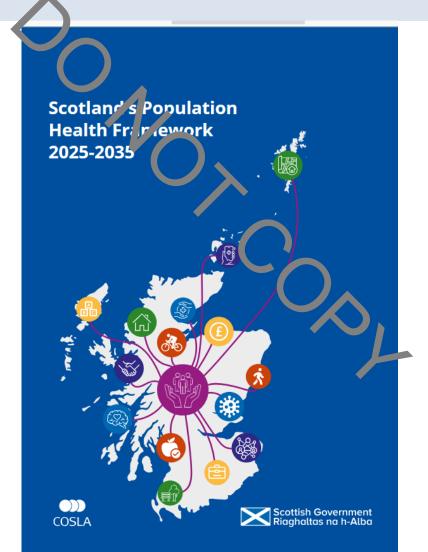
We'd really like to talk with you about how we can make it easier for you to get the care you need. If you're happy to, please get in touch with us or pop into reception to arrange a time to speak with our [Practice Manager / Community Links Worker / Admin Team Member / Doctor / Nurse].

You can call us on [Phone Number], or speak to us in person — whichever feels easiest for you.

We'd be grateful to hear from you by [Date – two weeks from letter]. If we haven't heard from you by then, someone from the team may give you a call or send a message to check in and see how we can help.

Scottish Health Policy developments





Conclusions



- **Missingness** is a strong risk factor for negative outcomes BUT has clear causes that can be addressed.
- Requires a perspective shift towards a 'missingness' lens, with a suite of interventions guided by these strong principles.
- Provides a purposeful organising framework for Inclusion Health and mainstream services.

Thank you!

Addressing missingness already? email our research team missingness@glasgow.ac.uk

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Further information about the research (papers, presentations, what we are doing now) can be found here on the Missingness Interventions, University of Glasgow webpage







