Rural and remote psychological service delivery: Perceptions of rural psychologists, general practitioners, and community members

Carly Rose Sutherland School of Psychology The University of Adelaide

Thesis submitted for the degree of Doctor of Philosophy/Master of Psychology (Clinical)

14th December 2016

Table of contents

Table of contents	2
Acknowledgements	5
Abstract	6
Statement of originality of the work	8
List of publications arising from this thesis	9
List of conference presentations based on this thesis	9
List of poster presentations based on this thesis	10
Chapter 1 – Introduction	11
1.1 Thesis overview	11
1.2 Terminology	12
1.3 Background	12
1.3.1 Psychology in rural and remote Australia	12
1.3.2 Defining rurality	14
1.3.3 Rural-urban disparities in physical and mental health outcomes	16
1.3.4 Professional and personal challenges for rural psychologists	18
1.3.5 Professional and personal advantages for rural psychologists	22
1.3.6 Rural psychology – an international perspective	23
1.3.7 Competencies for rural and remote psychology	25
1.3.8 Triangulation and further exploration of previous findings	29
1.3.9 Fly-in, Fly-out (FIFO) and Drive-in, Drive out (DIDO) psychology	30
1.3.10 General Practitioners' perceptions of psychology	33
1.3.11 Community perceptions of psychologists	36
1.4. Research questions	39
1.5. Significance/contribution of the study	40
1.6. Research approach	41
1.6.1 Theoretical framework	41
1.6.1.1 Competency based training and education for health professionals	41
1.6.1.2 Interprofessional education (IPE) and collaboration	42
1.6.1.3 Models of rural health service delivery	44
1.6.2 Methods	45
1.6.2.1 Study 1	46
1.6.2.2 Study 2	47
1.6.2.3 Study 3	49

1.7 Academic and scientific rigour in qualitative research	. 50
1.7.1 Ethical considerations	. 51
1.7.1.1 Qualitative studies	. 52
1.7.1.2 Quantitative survey	. 53
1.7.2 Reflexivity	. 54
1.7.2.1 My rural background	. 54
1.7.2.2 My experiences and professional development as a psychologist	. 56
1.7.2.3 Considerations of potential impact of these factors on the research.	. 58
Chapter 2 – Experiences of Fly-in, Fly-out (FIFO) and Drive-in, Drive-Out (DIDC rural and remote psychologists	,
2.1 Statement of contributions	. 62
2.2 Paper	. 63
2.2.1 Abstract	. 63
2.2.2 Introduction	. 64
2.2.3 Method	. 68
2.2.4 Results	. 71
2.2.5 Discussion	. 87
2.2.6 Table	. 91
Chapter 3 - Rural and Remote General Practitioners' perceptions of psychologists	. 93
3.1 Statement of contributions	. 94
3.2 Paper	. 95
3.2.1 Abstract	. 95
3.2.2 Introduction	. 96
3.2.3 Method	100
3.2.4 Results	102
3.2.5 Discussion	116
3.2.6 Table	122
Chapter 4 – What do GPs need to know about psychologists? 6 top tips	123
4.1 Statement of contributions	124
4.2 Paper	125
4.2.1 Abstract	125
4.2.2 Paper	125
Chapter 5 – Rural and urban Australian community members' knowledge and understanding of psychologists	135
5.1 Statement of contributions	136

5.2 Paper	137
5.2.1 Abstract	137
5.2.2 Introduction	138
5.2.3 Method	140
5.2.4 Results	142
5.2.5 Discussion	150
5.2.6 Tables	157
Chapter 6 – Conclusions	165
6.1 Summary of findings	165
6.2 Significance of the findings and contribution to knowledge	167
6.2.1 Contribution to the literature regarding models of rural health ser delivery	
6.2.2 Contribution to the interprofessional education (IPE) literature	168
6.2.3 Contribution to the training and professional development of rura remote psychologists (including rural and remote competencies)	
6.3 Implications of the findings	172
6.3.1 Psychology education and professional development	
6.3.2 Medical education and professional development	173
6.3.3 Interprofessional education (IPE)	174
6.3.4 Rural psychology service delivery	176
6.3.5 Mental health policy and Medicare	177
6.3.6 Recruitment and retention of rural psychologists	
6.3.7 Primary care psychology	
6.4 Methodological strengths and limitations	
6.4.1 Strengths	
6.4.2 Limitations	
6.5 Suggestions for future research	
6.6 Conclusion	
Appendices	191
Appendix A – Published paper resulting from previous research by the av	uthor 191
Appendix B – Media release for Study 3 (Community survey)	199
Appendix C – Published paper resulting from Study 1	200
References	212

Acknowledgements

I would like to sincerely thank my supervisors Professor Anna Chur-Hansen and Professor Helen Winefield. I have been so fortunate to have had the opportunity to work with you and have learned so much. Thank you for your always prompt feedback and wise advice. Thank you, Anna, for your generosity and availability in encouraging and supporting my development as a psychologist and researcher over many years.

Thank you to the professional and Clinical Masters staff of the School of Psychology for your support over the past eight years of undergraduate and postgraduate study.

To the psychologists, doctors and members of the community who participated in this research, thank you for your generosity in sharing your time and experiences. I have learned so much both academically and clinically from your insights.

Thank you to Andrew Livingstone, Brooke Packham and my colleagues at Country Health SA. It has been a great privilege to be able to begin my journey as a psychologist whilst completing this thesis and to experience rural psychology practice for myself!

Thank you to my fellow students from the Masters and PhD programs for your support. I am fortunate to have developed such wonderful friendships during this journey. Special thanks to Lian for always being there to share the joys and challenges.

I am indebted to my parents Sharon and Andrew. Thank you for your support over the past eight years of university study. As a rural background student, without your support my university education would not have been possible.

This thesis is dedicated to Brendan. I am forever grateful for your patience, kindness and encouragement throughout this journey. Thank you for always believing in me.

Abstract

This thesis explores psychological service delivery from the perspectives of three key stakeholders: fly-in, fly-out (FIFO) and drive-in, drive-out (DIDO) rural and remote psychologists; rural and remote General Practitioners (GPs); and rural and urban community members. The thesis builds on previous research with resident rural psychologists in exploring what is required of rural psychologists and psychological services in the context of unique challenges, including a lack of access to psychologists, ethical challenges, and poorer health and mental health outcomes for rural communities.

This thesis is comprised of three studies. Study 1 is a qualitative exploration of the experiences of FIFO/DIDO rural and remote psychologists. Study 2 is a qualitative exploration of the experiences of rural and remote GPs. These studies employed purposive sampling and a semi-structured interview format, and were subject to thematic analysis. Study 3 is a quantitative survey comparing rural and urban community members' understandings and perceptions of psychologists and psychology services.

The findings are presented in the form of four papers. FIFO/DIDO psychologists, as described in Paper 1, face similar challenges to resident rural psychologists, but also face additional unique personal and professional challenges due to working away from home, including caring for dependents, managing fatigue, greater intensity of work, and logistical challenges. While FIFO/DIDO work arrangements are contentious, there may be personal and professional advantages for psychologists, including financial and time compensation, greater support and fewer ethical dilemmas compared to resident rural psychologists. Support required to provided FIFO/DIDO services may include an appropriate induction into the community, the availability of local support, and appropriate compensation for lifestyle impacts.

6

GPs were the focus of Papers 2 and 3. Participants highlighted how rural psychologists may be a source of support for rural GPs and vice versa. While rural GPs tend to hold positive views about psychologists, they report challenges in communicating with psychologists, and gaps in their knowledge of psychologists' training and expertise. Given the knowledge gaps identified, Paper 3 is written for a GP professional audience and outlines '6 top tips' about working with psychologists.

Paper 4 reports on the results of Study 3, the quantitative survey. Rural participants were significantly less likely than urban participants to have seen a psychologist, more likely to perceive seeing a psychologist as helpful, more likely to endorse travel as a barrier to seeing a psychologist, scored significantly lower on a multiple-choice test of knowledge about psychologists, and were less aware of Medicare rebates for psychological services, highlighting a gap between rural and urban Australians regarding knowledge and understanding of psychologists.

This thesis demonstrates a need for greater awareness and initiatives to improve understanding of psychologists amongst rural GPs and rural communities, and highlights opportunities of alternative service delivery models (such as FIFO/DIDO) in addressing recruitment and retention problems in the rural psychology workforce. The findings of this thesis have implications in terms of models of rural psychological service delivery, professional development and education for rural psychologists and GPs, mental health and Medicare policy in rural areas, recruitment and retention, and primary care psychology.

7

Statement of originality of the work

I certify that this work contains no material which has been accepted for the award of any other degree or diploma in any university or other tertiary institution and, to the best of my knowledge and belief, contains no material previously published or written by another person, except where due reference has been made in the text.

In addition, I certify that no part of this work will, in the future, be used in a submission for any other degree or diploma in any university or other tertiary institution without the prior approval of the University of Adelaide and where applicable, any partner institution responsible for the joint-award of this degree.

I give consent to this copy of my thesis when deposited in the University Library, being made available for loan and photocopying, subject to the provisions of the Copyright Act 1968. The author acknowledges that copyright of published works contained within this thesis resides with the copyright holder(s) of those works. I also give permission for the digital version of my thesis to be made available on the web, via the University's digital research repository, the Library catalogue and also through web search engines, unless permission has been granted by the University to restrict access for a period of time.

Carly Sutherland

Date

List of publications arising from this thesis

Sutherland, C. R., Chur-Hansen, A., & Winefield, H. (2016). Experiences of fly-in, flyout and drive-in, drive-out rural and remote psychologists. *Australian Psychologist*. doi: 10.1111/ap.12194

List of conference presentations based on this thesis

- Sutherland C.R., Chur-Hansen, A., & Winefield, H. (2015, September). Rural General Practitioners' understandings and perceptions of psychology. Presentation at the 50th Australian Psychological Society Annual Conference, Gold Coast, Queensland.
- Sutherland C.R., Chur-Hansen, A., & Winefield, H. (2015, September). Experiences of Fly-in, Fly-Out (FIFO) and Drive-in, Drive-out (DIDO) rural and remote psychologists. Presentation at the 50th Australian Psychological Society Annual Conference, Gold Coast, Queensland.
- Sutherland C.R., Chur-Hansen, A., & Winefield, H. (2014, July). Knowledge, Skills and Attitudes (KSAs) of rural and remote fly-in, fly-out (FIFO) and drive-in, drive-out (DIDO) psychologists. Presentation at the International Congress of Applied Psychology, Paris, France.
- Sutherland C.R., Chur-Hansen, A., & Winefield, H. (2014, July). *Knowledge, Skills and Attitudes (KSAs) of rural and remote psychologists*. Presentation at the International Congress of Applied Psychology, Paris, France.

Sutherland C.R., Chur-Hansen, A., & Winefield, H. (2014, February). *Knowledge, Skills and Attitudes (KSAs) of rural and remote psychologists.* Presentation at the Graduate Psychology Skills Australia Conference, Melbourne, Victoria.

List of poster presentations based on this thesis

Sutherland, C.R., Chur-Hansen, A., & Winefield, H. (2014, November). Experiences of Fly-in, Fly-Out (FIFO) and Drive-in, Drive-Out (DIDO) Rural and Remote Psychologists. Poster session presented at the 4th Australian Rural and Remote Mental Health Symposium, Albury, New South Wales.