Preventive Care for Physical Activity and Fruit and Vegetable Consumption: A Cross-Sectional Survey of Family Carer Expectations of Health Service Delivery for People with a Mental Health Condition

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Statement of Originality

This thesis contains no material which has been accepted for the award of any other

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Acknowledgement of Collaboration

I hereby certify that the work embodied in this thesis has been done in collaboration with other researchers. I have included as part of this thesis a statement clearly outlining the extent of collaboration, with whom and under what auspices.

I contributed to the: development of the research question, research design and methodology, development and modification of the survey instrument, managed data collection procedures, cleaned the data, led the statistical analysis, interpretation of results and writing of the manuscript. Dr Tara Clinton-McHarg contributed to the development of the research question, interpretation of results, preparation and editing of the manuscript. Professor Jenny Bowman contributed to the development of the research question, research design and methodology, development and modification of the survey instrument, interpretation of results, preparation and editing of the manuscript. Dr Paula Wye contributed to the development of the research question, research design and methodology, data collection, development and modification of the survey instrument, interpretation of results, preparation and editing of the manuscript. Professor John Wiggers contributed to the development of the research question, interpretation of results, preparation and editing of the manuscript. Dr Kate Bartlem contributed to the development of the research question, interpretation of results, preparation and editing of the manuscript.

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Statement of Authorship

I hereby certify that the work embodied in this thesis contains a manuscript of which I am a joint author. I have included as part of the thesis a written statement, endorsed by my supervisor, attesting to my contribution to the joint work.

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Manuscript:

Preventive Care for Physical Activity and Fruit and Vegetable Consumption: A Cross-Sectional Survey of Family Carer Expectations of Health Service Delivery for People with a Mental Health Condition

This thesis is formatted for submission to peer-reviewed journal BMC Health Services Research, refer to Appendix A for submission guidelines.

This manuscript has been published since submission in partial fulfillment for the award of degree. The published manuscript underwent minor edits as part of the peer-review process and may contain minor differences to the manuscript in this thesis.

Refer to Appendix F for the published manuscript. The details of the published manuscript are:

Jacqueline Bailey, Tara Clinton-McHarg, Paula Wye, John Wiggers, Kate Bartlem, Jenny Bowman (2020). Preventive care for physical activity and fruit and vegetable consumption: A survey pf family carer expectations of health service delivery for people with a mental health condition. *BMC Health Services Research*, 20 (201). Doi: 10.1186/s12913-020-5059-0

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Fruit and vegetable consumption, Physical activity.

Word count: 5147

Abstract

Background: Chronic disease is a leading cause of death globally, where inadequate fruit and vegetable consumption and inadequate physical activity are consistently implicated as key contributing risk factors. People with a mental health condition are reported to experience a higher prevalence of such risks and experience increased morbidity and mortality from resultant chronic disease. Despite guidelines identifying a need for services accessed by people with a mental health condition to provide care to address such health risk behaviours, sub-optimal care is frequently reported suggesting a need for innovative strategies to increase the provision of physical health care. An exploratory study was conducted to examine: 1) family carers' expectations of care provision regarding fruit and vegetable consumption and physical activity by health and community services for people with a mental health condition; 2) carer's own health risk behaviour status and perceptions of the influence of the health risk behaviours on mental health; and 3) possible associations of socio-demographic, clinical and attitudinal factors with carer expectations of care provision for fruit and vegetable consumption and physical activity.

Methods: Family carers of people with a mental health condition completed a cross-sectional survey. Participants were members of a mental health carer support organisation from New South Wales, Australia.

Results: A high proportion of participants (n=144 total, 38.8% response rate) believed care for fruit and vegetable consumption and physical activity respectively should be provided by: mental health hospitals (78.5%, 82.7%); community mental health services (76.7%, 85.9%); general practice (81.1%, 79.2%); and non-government organisations (56.2%, 65.4%). Most participants perceived that adequate fruit and vegetable consumption (55.9%), and physical activity (71.3%) would have a very positive impact on mental health. Carers who perceived adequate fruit and vegetable consumption and

physical activity would have a positive impact on mental health were more likely to expect care for such behaviours from some services.

Conclusions: The majority of participants expected care for fruit and vegetable consumption and physical activity be provided by all services catering for people with a mental health condition. Findings reinforce the appropriateness for such services to provide physical health care for clients in a systematic manner.