CLIENT PERCEPTIONS: A USEFUL

MEASURE OF COORDINATION OF

HEALTH CARE

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DECLARATION

This thesis is my original work. The research was conducted within a large trial for which the National Centre for Epidemiology and Population Health were employed as evaluators. The Chief Investigator of this evaluation was Dr Beverly Sibthorpe, who was also the chair of my supervisory panel. The trial managers were responsible for collecting the majority of the data used in this thesis, and much of this was cleaned and assembled by members of the local evaluation team. I was responsible for entering, cleaning and assembling all data derived from the Client Perceptions of Coordination Questionnaire.

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The Care Plus Trial was managed by a large team comprising staff of Care Plus Pty Ltd, the ACT Division of General Practice and ACT Department of Health and Community Care. As evaluators for the trial, we were active participants with them in designing, monitoring and reviewing the trial at all stages. For this we relied on the support and collaboration of all these colleagues.

The study was funded through an ANU scholarship and a grant from the Australian Department of Health and Aged Care for some development work on the CPCQ during 1996. Their funding of the evaluation of the trials in general provided an invaluable setting in which to conduct my research.

I am also grateful to staff at Tuggeranong Square Medical Practice, Team Care, Brisbane and Linked Care, Sydney and study participants in three cities for their involvement.
ABSTRACT

Despite the many interventions and trials aimed at improving coordination of health care, there is currently no accepted measurement of coordination. My professional interests and an opportunity provided by the Care Plus (Coordinated Care) Trial in the ACT led me to consider client perceptions as a potentially appropriate measure. My research question is “can coordination of health care be usefully measured through client perceptions?”

I addressed this question by developing and testing an instrument to measure perceptions of coordination called the Client Perceptions of Coordination Questionnaire (CPCQ). In the thesis I describe the processes of developing the instrument, testing it through use in several studies and considering how useful such an instrument may be for health services research. In addition to the Coordinated Care Trial, I conducted two validation studies - in a chronic pain population and a general practice sample.

In Part 1 of the results I demonstrate good face, content and discriminant validity, and reliability of the instrument. Psychometric analysis of the CPCQ did not support scaling, and identified areas were the instrument could be improved. Nevertheless the underlying construct of client perception of coordination as a measure is entirely new, and it is therefore worthwhile to explore its associations with other health outcome data. In Part 2 I use a single item from the CPCQ, “how often did you feel the care you received was well-coordinated?” to explore this construct. I explore the influences upon on client perceptions of coordination, and examine its associations with service utilisation and health outcome data.

The construct of ‘perceived coordination’, and the capacity of the CPCQ to measure it accurately show considerable promise as measures of health care. Consistent trends were found that suggested coordination was a complex construct, and that a stronger theoretical base was needed to interpret this complexity. Theory is the first of the ‘phases’ of instrument development, and so I revisit these in order to summarise the strengths and weaknesses of the current CPCQ. Overall, the perceptions of coordination have surprisingly plausible associations with other health data, the effort to improve the instrument should be worthwhile for a wide range of health service evaluation and research.
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<table>
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<tr>
<th>Abbreviation</th>
<th>Description</th>
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<tbody>
<tr>
<td>ACT</td>
<td>Australian Capital Territory</td>
</tr>
<tr>
<td>ACTDGP</td>
<td>ACT Division of General Practice</td>
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<tr>
<td>ACTHCC</td>
<td>ACT Department of Health and Community Care</td>
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<tr>
<td>CCT</td>
<td>Coordinated Care Trial/s</td>
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<tr>
<td>CHF</td>
<td>Consumers Health Forum</td>
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<tr>
<td>COAD</td>
<td>Chronic Obstructive Airways Disease</td>
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<tr>
<td>COAG</td>
<td>Council of Australian Governments</td>
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<tr>
<td>CPCQ</td>
<td>Client Perceptions of Coordination Questionnaire</td>
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