Community wellbeing: applications for a disaster context

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ABSTRACT

The concept of resilience has become a guiding principle for preparedness, management and recovery. This paper argues that community wellbeing provides a broader means to understand disaster affects and outcomes and recognises that the cultural and social history and future of the community is more than just its experiences of disasters. The concepts that underpin community wellbeing approaches are explored, as are potential approaches to assessment that hold significant value in the reframing of communities beyond their experiences, offering the potential for both empowerment and strengths-based reflection.

Background

Following multiple, large scale disasters in recent years, the international research focus has shifted to theoretical and applied aspects of how resilience relates to community reaction to disasters and the effectiveness of the subsequent response (Council of Australian Governments 2011). In Australia, the Council of Australian Governments noted that the common characteristics of resilient communities, individuals and organisations are functioning well while under stress, successful adaptation, self-reliance, and social capacity.

The Australian National Principles for Disaster Recovery (Community and Disability Ministerial Advisory Council 2009) highlight the need to understand the community context. This is also reflected in disaster recovery guidelines and texts published in the USA (Alesch, Arendt & Holly 2009, Natural Hazards Centre 2005). Consideration of context in the post-event environment also requires understanding community processes and how best they can be measured. The relevance of community wellbeing measures to understanding context, however, has been largely under-recognised. This paper argues that wellbeing is a highly relevant but under-used concept in assessments and understanding of community responses to disasters.

Community wellbeing

The term ‘community’ is widely used but because it is difficult to define and has been extensively debated (Blackshaw 2010, Delanty 2003), it is valuable within each study to define the characteristics of the community involved. The status of communities has been measured in terms of resilience, wellbeing, wellness, sustainability, level of function, and quality of life (Auh & Cook 2009, Davis, Cook & Cohen 2005, Hancock, Labonte & Edwards 1999, Maybery et al. 2009, Norris & Stevens 2007, Ryan-Nicholls & Racher 2004). Although terms such as ‘wellbeing’, ‘quality’ and ‘level of function’ have been used interchangeably, they have different meanings and are sometimes philosophically polarised. An individual’s satisfaction with their community does not necessarily reflect the health of the community in terms of factors such as sustainability or the equitable provision of goods and services to all. Wiseman and colleagues use the term ‘wellbeing’ to refer to community level experience (Wiseman et al. 2006). They ascribe a holistic quality to wellbeing, encompassing:

‘...the interrelationships between economic, social and material wellbeing; the downsides of economic growth, as well as the benefits; the limits of natural assets; the value of heritage and environment; the need to keep natural systems in balance; the importance of non-material aspects of wellbeing such as cultural, spiritual and psychological considerations; the benefits of strong communities and of social inclusion; and participation and the need to keep sight of benchmark values such as democracy, human rights and active citizenship.’ (Wiseman et al. 2006, p. 19)

This perspective is pertinent for disasters as the effect is often community-wide involving dislocation, economic disruption, and challenges to the social fabric and psychological wellbeing of the group. Wiseman and fellow authors also attribute a dynamic quality to wellbeing with its description as ‘a state of healthy development’ linked to ongoing progress (Wiseman et al. 2006).
The relationships between community wellbeing and resilience

In contrast to definitions of wellbeing, definitions of resilience have focused on the ability to adapt or respond to risk (Davis, Cook & Cohen 2005, Norris & Stevens 2007, Price-Robertson & Knight 2012). Individual, community or society’s resilience in response to a stressor has been well-established (Bonanno 2004, Godschalk 2003, Hill, Weiner & Warner 2012), yielding extensive theory dealing with response to and recovery from disasters (Atkinson, Eyal & Hornik-Lutie 2010, Walsh 2007, Agani, Landau & Agani 2010, Stevens, Berke & Song 2010, Cox & Perry 2011, Norris & Stevens 2007).

Norris and colleagues defined resilience as ‘a process linking a set of adaptive capacities to a positive trajectory of functioning and adaptation after a disturbance’, while community resilience derives from these capacities being networked (Norris et al. 2008). They suggest that resilience is a process rather than the outcome, reflecting adaptability rather than stability; but this is a contested view (Cox & Perry 2011).

Norris and colleagues also suggest that wellness results from community adaptation due to the process of resilience (Norris et al. 2008). By contrast, Murray (2004) considers wellbeing as part of resilience that affects the efficacy of the resilience response. In a further variation, Maybery and co-authors consider the terms are interdependent, with wellbeing being both a determinant and result of resilience (Maybery et al. 2009). Furthermore, it has been suggested that community resilience requires an ability to change rather than maintain the status quo (Steiner & Markantoni 2013, Zautra, Hall & Murray 2008). Community wellbeing is also primarily driven by social change. There is obviously no single endpoint when a community is ‘well’. Thus, resilience and wellbeing deal with processes, with goal-setting and outcome attainment inherent in both systems.

A model is offered for the use of adaptive capacities to enhance community resilience, specifically in reference to disaster response (Norris et al. 2008). This involves five actions:

- addressing social inequities and vulnerabilities and buffering economic resources
- community participation in assessing and generating problem lists and solutions
- the capacity of support services to respond with efficacy to a crisis
- establishing buffers for existing social supports
- establishing trusted and flexible communication networks to enhance community response to future unknown insults.

These actions highlight the focus on preparing for or responding to a crisis event. The limitation of this focus following disasters is that they may ignore or subsume broader historical, social and cultural experiences of the community. Paradoxically, a community resilience focus may therefore limit the potential of a community to recognise and build on all its strengths.

Community wellbeing assessments

Assessment of community wellbeing is an emergent field that has arisen in response to the recognition of an individual’s context within the wider community and the impact of this on wellbeing (Hancock, Labonte & Edwards 1999, Sirgy 2011, Sirgy et al. 2010, Mowbray et al. 2007, Holden & Phillips 2010, Jorgensen, Jamieson & Martin 2010, Hur, Narsar & Chun 2010, Florida, Mellander & Stolarick 2011, Wiseman et al. 2006). Assessment can support shared reflection on community strengths and opportunities, guide action, and allow for monitoring of change over time. The application of this field to community disaster response can be charted reasonably clearly, whereby the wellbeing of the community is considered in terms of its inherent and historical, as well as its enduring and emerging, attributes and characteristics in the context of a disaster.

Assessments of community wellbeing recognise that wellbeing at a community level does not necessarily equal the sum of the individual parts (Hancock, Labonte & Edwards 1999, Sirgy 2011). The factors that determine individual fulfillment do not always translate to benefits at the community level. Standard survey methods and subsequent statistical techniques may be inadequate to understand communities if they treat people in communities (i.e. respondents) as individual and independent cases—thus as isolated and unrelated ‘units of analysis’ rather than ‘actors in social relations’ (Abbott 1997). A number of authors have highlighted the need to expand analysis beyond the individual to the wider context of the community and the social interactions that they involve (Hancock, Labonte & Edwards 1999, Harms 2010, Hooge & Vanhoutte 2011, Ryan–Nicholls & Racher 2004, Sirgy 2011).

While indicators and frameworks for understanding community wellbeing (Zautra, Hall & Murray 2008) incorporate different measures, there are common features including social assets, service provision, economic, environmental, and information and exchange (see Table 1). Evidence of the fundamental effects of these assets on community wellbeing is well established (Kutek, Turnbull & Fairweather-Schmidt 2011, Maybery et al. 2009, Auh & Cook 2009, Mowbray et al. 2007, Norris et al. 2008, Davis, Cook & Cohen 2005, Hancock, Labonte & Edwards 1999, Cox & Perry 2011).

A framework of analysis comprised of a range of indicators is at the heart of many assessments of community wellbeing (Besleme & Mullin 1997). Hancock, Labonte and Edwards [1999] identified five factors to guide the choice of indicators:

- local involvement
- use of multiple stakeholders
- accessibility and relevance of the indicator
- measurement of factors that are significant, comparable and open to change
- applicability to the defined community and to community level analysis.

It has been suggested that these indicators should also be theoretically robust (Wiseman et al. 2006), include both objective and subjective measures, and be feasible
A range of indicators is essential to simplify and segment larger, more impenetrable issues (Steiner & Markantoni 2013). For example, the efficacy of the education system in a community may be assessed through school attendance and numeracy and literacy indicators. The challenge is to select indicators that address the concerns and values of the target communities, the information needs of governing bodies, and research requirements (Hancock, Labonte & Edwards 1999).

There is no single agreed measure or method of assessing community wellbeing. The studies listed in Table 1 provide some examples of community level assessments. They use a range of measures and methods including extracting regional results of community wellbeing indicators from existing population-level surveys (Wiseman et al. 2006), conducting surveys of individual members to assess their perceptions of community (Maybery et al. 2009), and inviting key community representatives to use an indicators tool to score their own community against a set of community factors and priorities (Davis, Cook & Cohen 2005).

Questions about social ties between community members in individual surveys are an important inclusion in community assessment. Social network analysis is a specific, local-level relational method (Emirbayer & Goodwin 1994) that focuses on the ‘relationships among social entities, and on the patterns and implications of these relationships’.
This analysis examines how social ties and individual attributes are associated with resilience in communities. Social network analysis, in conjunction with standard surveys, potentially offers greater opportunities for understanding communities as ‘people in social interaction’ than is possible by standard statistical methods alone.

Other community level options can be derived from ethnographic methods such as the use of local government and observational data. For example, economic indicators could include number and type of local businesses, healthy environment indicators could include number and type of local recreational and community facilities, or social indicators could include details about local groups and their membership.

Conclusion

There are significant parallels in the principles and approaches used to measure both resilience and wellbeing, although there has been a greater focus on resilience in the disaster literature. Community resources, such as economic resources and service assets, have been highlighted as key factors in both wellbeing and resilience. The interrelationship between the two concepts is apparent, although the nature of that relationship is debated. Recognition of the wellbeing of a community, beyond its disaster experience, affords the potential for empowerment and self-reflection through a strengths-based lens. This provides a richer description of context than is gained by only using a resilience framework, which references the community assessment specifically to disaster preparedness and response. Holistic models and indicators are evolving to measure key characteristics of community wellbeing with scope to incorporate characteristics of resilience. This link between theory and application of measures of wellbeing and resilience at a community level has only very recently been recognised. The potential is clear for researchers to integrate resilience and wellbeing to produce research that makes a significant contribution to both the literature and to communities; particularly in a disaster context.

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