Neighbourhood renewal in Victoria, Australia: An effective way to address social inclusion

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Abstract

People who live in disadvantaged communities are at increased risk of social exclusion through diminished access and quality of services, lack of opportunity and feeling powerless over decisions relating to their neighbourhoods. Neighbourhood Renewal (NR) is a Victorian State Government initiative that seeks to address this. This paper presents the findings from two individual project sites, side-by-side. Data were collected in 2004/5 and 2009 using face-toface interviewing with convenience samples of 900 NR residents across the two NR sites at each time period. A comparison group for each NR site consisted of a sample of 150 people living in the same suburb or town but outside the NR site, data were collected by telephone. Data were analysed separately for each NR project site. Findings indicate that neighbourhood renewal strategies can be effective in improving trust in government, perceptions of community participation, influence and control over community decisions and improved services. Community level strategies are valuable in addressing area-level determinants to improve social inclusion. The successes of the NR scheme support the implementation and continuation of area-specific interventions to address disadvantage and social exclusion across Victoria, Australia.

Keywords: Neighbourhood renewal, Social inclusion, Social exclusion, Disadvantage, Neighbourhood intervention, Community

Introduction

It is evidenced that area-level disadvantage is associated with increased mortality and morbidity across a range of health conditions and diseases (Adams, et al., 2009; Deans, et al., 2009; Feldman, Warr, Tacticos, & Kelaher, 2009; Major, et al., 2010). There are demonstrated links between area-level disadvantage and social exclusion (Baum & Gleeson, 2010; Hemphill, et al., 2010; Stewart, et al., 2008; Tanton, Harding, Daly, McNamara, & Yap, 2010) however social exclusion is also considered to be an indicator of disadvantage (Scutella & Wilkins, 2010; Tanton, et al., 2010). Regardless of how social exclusion is conceptualised, measured and investigated, the association between social exclusion and poor health is well documented (Popay, et al., 2008).

Different conceptualisations of social exclusion abound in the academic literature; what they all have in common is that social exclusion is conceived of as multidimensional, and where definitions differ in is the number and type of dimensions drawn upon (Taket, et al., 2009). One particularly useful definition of exclusion is that offered by Popay et al. (2008) in their work for the WHO Commission on Social Determinants of Health:

Exclusion consists of dynamic, multi-dimensional processes driven by unequal power relationships interacting across four main dimensions - economic, political, social and cultural - and at different levels including individual, household, group, community, country and global levels. It results in a continuum of inclusion/exclusion characterised by unequal access to resources, capabilities and rights which leads to health inequalities.'(p. 2)

Social exclusion is defined, in operational terms, by the Australian Government as being persons or areas who experience multiple disadvantage (Australian Social Inclusion Board, 2010), more specifically, social exclusion can be conceptualised as a lack of, or reduced access to: suitable housing, employment, education, transport, and health services which results in lower levels of participation in various aspects of life (Popay, et al., 2008). In an attempt to address the multiple disadvantage associated with social exclusion, the Australian Government has made social inclusion a priority area (Australian Government, 2009). Thus, several policies, programs and interventions at both local and national levels, have been developed and implemented in order to address this priority (Social Inclusion Unit, 2011). In 2001, the Victorian State Government implemented the NR scheme in an effort to reduce the area-level disadvantage across Victoria; NR has been implemented in 21 project sites to date (Neighbourhood Renewal, 2010b). The specific projects and interventions vary from site to site as NR adopts an area-specific approach. The six objectives of the NR scheme are:

- increasing community pride and participation;
- enhancing housing and the physical environment;
- lifting employment and learning opportunities and expanding local economies:
- improving personal safety and reducing crime;
- promoting health and wellbeing; and

• improving government responsiveness (Neighbourhood Renewal, 2010a).

Each of these objectives relates broadly to social inclusion. This paper aims to compare and contrast the relative successes of two project sites for the NR scheme in Victoria in increasing some of the aspects associated with social inclusion. Area-level approaches to address area-level issues such as community disadvantage and community level social exclusion have been adopted elsewhere with varying levels of success (Clark & Southern, 2006; Monks & Robertson, 2009; Stafford, Nazroo, Popay, & Whitehead, 2008; Thomson, Atkinson, Petticrew, & Kearns, 2006). There are several difficulties inherent in measuring the success of such interventions, for example, the discrepancy between follow-up times and the lag between intervention and community perception of improvement (Stafford, et al., 2008). Additionally, as in the case of the Victorian NR initiative, area-specific interventions can result in varying success across different indicators, thus making broad evaluations of the initiative as a whole, difficult and potentially misleading. This study draws on the evaluations from two NR sites in Victoria, comparing and contrasting their relative success, specifically with regard to the indicators measuring aspects of social inclusion. Full reports of the analysis are available (CHASE).

Methods

NR is a Victorian State Government scheme that aims to narrow the gap between disadvantaged communities and the rest of the state. Areas are selected to be a part of NR when there is a high level of relative disadvantage in comparison the rest of the state. A range of indicators are used to assess disadvantage including: concentrations of public housing, mean taxable income, crime, employment and education. The research team were engaged by the Neighbourhood Renewal Branch within the Department of Human Services, Victoria to analyse the data from two NR sites only. Therefore, this study draws on data collected by the Neighbourhood Renewal Branch in Corio Norlane and Colac NR project sites. Area-specific programs were implemented as a part of the NR strategy, to address the disadvantage present in each specific project site. Therefore the interventions for each of the project sites addressed in this paper were not exactly the same. Details about the specific interventions for Corio Norlane can be found at: http://www.corionorlane.org.au/index.php and details of the specific interventions implemented in Colac can be found at: http://www.communityhubinc.org.au/.

Study design

A quasi-experimental community trial was used to evaluate the success of NR. Standardised questionnaires were administered at each wave of data collection, to residents within the NR project sites and to comparison groups consisting of residents living in the same suburb or town but outside the NR sites. Surveys were conducted in three waves, the first wave of data collection was conducted within the first four years of the initiation of NR and subsequent waves have been conducted at two year intervals, with the third wave of data collection occurring in 2009. For each wave of data collection, data were collected from both the NR group and the comparison group.

Sample

A convenience sampling method was used to recruit participants from the NR sites for each wave of data collection. For Corio Norlane there were a total of 600 participants at each wave of data collection, for Colac there were 300 participants at the first wave and 301 at the third wave. Comparison group participants were recruited using a sample of telephone numbers from the electronic White Pages. In the first wave of data collection there were 149 comparison participants for each site, for the third wave there were 150 participants for each site. Comparison group participants were stratified into deciles according to the Australian Bureau of Statistics Index for Relative Socioeconomic Disadvantage (Australian Bureau of Statistics, 2008).

Data Collection

The standardised questionnaire used for data collection is part of a standard framework for the evaluation of NR and was designed by Salvaris and the Swinburne Institute for Social Research, Melbourne (Salvaris & Swinburne Institute for Social Research, 2008). Most of the items contained in the questionnaire were answered using a multiple choice format, including three to five item likert scales, yes/no, and choose the response that most applies.

Participants from the NR group were interviewed in-person, by trained local residents of the NR project site. For the comparison group, Computer Assisted Telephone Interviews (CATI) were conducted using a truncated version of the questionnaire. Questions that were only relevant to NR residents were not included in the CATI.

This study used data from the first and third waves of data collection to investigate and compare changes in the responses given for both the NR group and comparison group for each project site, separately.

Variables

This paper draws on selected indicators that measure aspects of social inclusion. Specifically, this paper analysed responses to survey questions that assess the quality and accessibility of services, government performance, opportunity for education and employment, community participation, sense of belonging, trust, hope, influence and control over the future.

Analysis

Data were analysed separately for each NR project site. Descriptive statistics were conducted for both the NR and comparison group for each of the items. Chi-square values were calculated in order to test for statistically significant changes between the first (2004/5) and third (2009) wave of data collection. Separate chi-square values were calculated for the NR and comparison group and for each project site so that success within a project area could be assessed and results could be compared between each project area. Separate chi-square values were also calculated for public and private housing residents within the NR project site to assess any differences between these population groups. Statistical significance is reported at 0.01.

Results

Perceptions of change

NR residents were asked about their perceptions of changes in relation to government performance, opportunity for education, health and welfare services and community participation over the past six to 12 months. There was a statistically significant increase in the percentage of Corio Norlane public housing respondents who perceived an improvement in government performance (p = 0.004) and community participation (p = 0.009). In contrast, in Colac, statistically significant changes in a direction for the worse were found for private housing residents for both opportunity for education and health and welfare services (**Table 1** see after text).

Rating quality and accessibility of services

A complex pattern of changes in the rating of quality and the accessibility of services were observed over time in both NR sites and comparison sites. For quality and accessibility of services in general there were statistically significant changes for the better in the Colac NR group and no statistically significant change in the Corio Norlane NR or the comparison groups. For opportunities to get satisfactory employment, statistically significant improvement occurred in both NR groups, but not in comparison groups. However there was a statistically significant worsening in quality and availability of services to help find employment in the Colac NR group (Table 2 see after text).

Trust in government and each other

There were statistically significant improvements in the level of trust for each of the three levels of government in the Corio Norlane NR group; for the Colac NR group, trust significantly improved for federal and state levels only. In contrast, the comparison group's trust decreased significantly for federal and local levels and for state level in Corio Norlane only.

Changes in the level of agreement to statements about trust at the community level were more varied. Levels of trust in people in the area decreased significantly in both NR groups and the Colac comparison group, with no significant change in the Corio Norlane comparison group. There were no statistically significant changes in relation to neighbours. Belief in the strength of the community improved significantly in Corio Norlane but decreased significantly in Colac; in both cases the comparison group showed an increased polarisation of response over time (**Table 3** see after text).

Hope, influence and control over the future

Respondents were asked about their agreement with statements relating to hope, influence and control over the future. When asked about whether or not respondents agreed that they had control over decisions made in their community, there were statistically significant positive trends in both NR groups, while there was increased polarisation in the comparison groups (**Table 4** see after text).

Belonging and frequency of participation

Despite statistically significant changes in survey responses about perceptions of the community and participation, there were limited changes in specific participatory behaviours for either of the project sites or their respective comparison groups. There was a statistically significant decrease in minding a neighbour or friend's child in the Colac NR, however there were concurrent decreases in the percentage of respondents with children under 18 years at home. Interestingly, there were

statistically significant changes in sense of belonging in both NR groups and the Colac comparison group, and but no statistically significant change in the Corio Norlane comparison group. For the NR groups, the percentage of people neutral about belonging increased, and while in Corio Norlane the percentage lacking a sense of belonging decreased, in Colac it increased (**Table 5** see after text).

Discussion

The Neighbourhood Renewal scheme was initiated in 2001, in 21 project sites across Victoria (Neighbourhood Renewal, 2010b). Overall, this study highlights some encouraging and positive results for both of the NR project sites reported here, with regard to the indicators that measure social inclusion. Despite, and perhaps because of, differences in the approaches and specific interventions within each area (Neighbourhood Renewal, 2010b), there has been varying success in different indicators for each project site. There were also some similarities between project sites in terms of the indicators where NR had a positive impact.

Notably, there was a statistically significant increase in agreement that the Federal and State Governments could be trusted to do what was best for people in their neighbourhoods. This finding suggests that residents of NR areas feel their communities' needs are being considered by the higher levels of government, in terms of broader policies. Despite the broader shifts in both areas towards more trust in the higher levels of government, increases in the percentage of respondents who perceived improvement in government performance over the last six – 12 months was only recorded for Corio Norlane NR respondents not Colac respondents. At face value this may appear counterintuitive however trust was measured across different levels of government whereas performance was not. The association between perceived government performance and trust in government is not necessarily linear (Bouckaert, Laegreid, & Van de Walle, 2005; Yang & Holzer, 2006). Additionally, citizen participation may increase trust in government (Halachmi & Holzer, 2010), but this might not translate into improved government performance.

Similarly, despite a perceived improvement in community participation among Corio Norlane public housing residents, there was limited change in the frequency of individual engagement in specific participatory behaviours for both NR sites and comparison groups. This is suggestive of a disparity between measurements of perceptions and measurements of behaviours. Alternatively, it may be indicative of the difference between perceived changes for the community as a whole, compared with the desire of individual members to be actively involved (Allsop & Taket, 2003; Forde-Roberts, 1999). Regardless of individual participation in the community, there was a positive shift in feelings of control and influence over decisions that affected the community, amongst people who lived in NR communities.

For Colac, there was a substantial swing (+ 20.11, p < 0.001) in the percentage of respondents who rated the general services in the area as good. Interestingly, this was not apparent when other specific services were addressed, for example opportunities and facilities to get education were less likely to be rated as good, as were opportunities for employment and the services that assist you to find employment. The swing observed for the general question about services could be related to improvements in transport services specifically, as the wording of this question described local services 'like transport, health, education, children, older people etc'. When the Colac NR group were asked specifically about transport, there were substantial improvements to the ratings given.

There are some limitations pertaining to the study design that need to be considered when interpreting the findings. There is likely to be some selection bias in both the comparison and NR group for different reasons. Firstly, the sampling method used for comparison group differed to that used for the NR group. As a convenience sample was used for the NR group there is more scope for selection bias given that participating was on an opt in basis. The use of convenience sampling also meant that a response rate could not be calculated. While the comparison group were recruited using the electronic White Pages, data on the response rate was not collected.

The method of data collection was different for the comparison and NR groups, and extreme responses (e.g. strongly agree or strongly disagree as opposed to agree or disagree) have been shown to be more common in CATI compared to other survey methods (Feveile, Olsen, & Hogh, 2007). However, the differences in response patterns may have been somewhat mitigated, as five-item likert scales were condensed to three-item scales, thus reducing the tendency for extreme responses. Lastly, there may have been some contamination of the comparison group respondents given their proximity to the project sites. This may have resulted in a dilution of the differences between respondents from the comparison and NR groups for some indicators. Another source of dilution may be that the surveys conducted for the first wave of data collection were done so shortly after the commencement of the NR scheme, instead of beforehand.

A somewhat unique aspect of this study was the use of local residents as interviewers for the face-to-face interviews within the project sites. This was arguably a strength not only for the study design but also the NR scheme, as it upheld the core strategy of increasing participation within communities and is congruent with the principles of socially inclusive research. Additionally, the authors did not have any involvement in the NR scheme aside from the data analysis. Arguably, this was also a strength as the authors did not have any preconceived notions of success or otherwise for the NR scheme.

Regardless of the area-specific interventions implemented, the inherent limitations of the approach utilised and the reporting of the two sites as individual case studies, significant improvements at a community level were found in relation to social inclusion. The relative successes of the NR scheme for each area discussed here provide support for the implementation and continuation of area-specific interventions to address disadvantage and social exclusion across Victoria. The findings bring the inherent value and necessity of area-specific evaluations to the fore. The two NR project sites reported here suggest that significant improvements can be achieved using area-level interventions particularly in regards to improving communities' sense of trust in all levels of government, increases in perceived levels of community participation, influence and control over decision-making, and improved local services and transport.

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			Improv			ocal area over the past 6 - 12 months Stayed the same Worsened				
				% 2009	-	% 2009	-	% 2009 -	p-	
		n	% 2009	% 2004/5	% 2009	% 2004/5	% 2009	% 2004/5	value	
	Public housing									
	Corio									
	Norlane	155	10.97	+ 4.55	79.35	+ 8.23	9.68	- 12.78	0.004	
Government	Colac	95	3.16	- 7.46	81.05	+ 6.71	15.79	+ 0.75	0.116	
performance	Private									
periormance	housing									
	Corio									
	Norlane	391	6.91	+ 2.79	79.03	+ 2.66	14.07	- 5.44	0.046	
	Colac	177	5.08	- 0.70	80.23	- 3.59	14.69	+ 4.29	0.474	
	Public housing									
	Corio									
	Norlane	154	12.34	- 3.99	75.32	+ 3.89	12.34	+ 0.10	0.571	
	Colac	104	13.46	+ 0.07	77.88	- 3.32	8.65	+ 3.29	0.631	
Opportunity	Private									
for education	housing									
	Corio									
	Norlane	375	12.27	- 1.64	80.00	+ 1.60	7.73	+ 0.04	0.809	
									<	
	Colac	170	10.00	- 8.60	69.41	- 9.08	20.59	+ 17.68	0.001	
	Public housing									
	Corio									
	Norlane	159	12.58	+ 6.88	78.62	- 3.25	8.81	- 3.63	0.053	
Health and	Colac	103	9.71	- 1.40	85.44	+ 12.69	4.85	- 11.39	0.021	
Welfare	Private									
services	housing									
	Corio									
	Norlane	396	9.34	+ 2.92	84.60	+ 0.80	6.06	- 3.72	0.066	
	Colac	164	5.49	- 10.17	84.76	+ 7.05	9.79	+ 3.13	0.008	
	Public housing									
	Corio									
	Norlane	154	13.64	+ 8.18	66.88	+ 1.85	19.48	- 10.03	0.009	
Community	Colac	94	3.19	- 4.22	70.21	- 4.79	26.60	+ 9.01	0.160	
participation	Private									
pai ticipati011	housing									
	Corio									
	Norlane	348	5.46	- 2.55	80.17	+ 4.21	14.37	- 1.66	0.032	
	Colac	143	2.80	- 5.90	79.72	- 0.40	17.48	+ 6.30	0.037	

Table 2: Respondents' rating of services and opportunities in their neighbourhood

			Good		Average	9	Poor		
				% 2009 -	-	% 2009	-	% 2009 -	p-
		n	% 2009	% 2004/5	% 2009	% 2004/5	% 2009	% 2004/5	value
Quality and accessibility of	NR group Corio Norlane	573	47.99	- 3.87	42.06	+ 4.26	9.95	- 0.39	0.326
services in general (e.g. transport, health etc.)	Colac Comparison	285	51.23	+ 20.11	41.40	- 0.91	7.37	- 19.20	0.001
	group Corio Norlane	147	61.90	- 11.57	32.65	+ 7.48	5.44	+ 4.08	0.039

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	Colac	150	68.67	+ 7.98	22.00	- 11.79	9.33	+ 3.81	0.054
	NR group								
Onnortunities	Corio Norlane	558	38.35	- 1.10	46.77	+ 5.85	14.87	- 4.76	0.053
Opportunities and facilities to	Colac	290	38.62	- 11.21	42.41	+ 6.77	18.97	+ 4.44	0.023
get education	Comparison								
and training	group								
and training	Corio Norlane	146	68.49	- 17.43	22.60	+ 10.63	8.90	+ 6.79	0.001
	Colac	148	56.76	- 10.59	30.41	+ 3.88	12.84	+ 6.72	0.730
									•
	NR group								
Opportunities	Corio Norlane	559	11.27	- 0.94	37.03	+ 8.48	51.70	- 7.55	0.010
to get	Colac	285	18.25	- 4.85	51.93	+ 12.62	29.82	- 7.77	0.010
satisfactory	Comparison								
employment	group								
employment	Corio Norlane	144	25.00	- 13.46	42.36	+ 3.13	32.64	+ 10.33	0.034
	Colac	148	39.19	+ 5.38	45.27	+ 1.39	15.54	- 6.76	0.311
	NR group								
Quality and	Corio Norlane	517	22.63	- 4.19	47.00	+ 3.51	30.37	+ 0.68	0.274
availability of	Colac	269	32.71	- 13.39	44.61	+ 5.58	22.68	+ 7.81	0.003
services to help	Comparison								
you find	group								
employment	Corio Norlane	132	32.58	- 8.93	43.18	+ 13.93	24.24	- 5.01	0.085
	Colac	142	63.38	+ 0.39	28.87	+ 3.67	7.75	- 4.06	0.477

Table 3: Respondents' level of agreement with statements about trust in government and people in their neighbourhood

			Agree		Neither		Disagre	е	
				% 2009 -	=	% 2009	-	% 2009	- p-
		n	% 2009	% 2004/5	% 2009	% 2004/5	% 2009	% 2004/5	value
	NR group								
									<
	Corio Norlane	510	29.41	+ 17.77	23.14	+ 14.93	47.45	- 32.70	0.001
									<
Trust in Federal	Colac	255	26.67	+ 15.20	20.39	+ 4.98	52.94	- 20.18	0.001
Government	Comparison								
	group								
									<
	Corio Norlane	140	50.71	+ 5.71	3.57	- 23.44	45.71	+ 17.98	0.001
	Colac	147	42.86	+ 8.57	8.84	- 13.30	48.30	+ 4.73	0.007
	NR group								
									<
	Corio Norlane	522	31.42	+ 12.11	23.56	+ 12.66	45.02	- 24.77	0.001
									0.003
Trust in State	Colac	257	27.63	+ 10.63	20.23	+ 3.63	52.14	- 14.26	
Government	Comparison								
	group								
									<
	Corio Norlane	145	51.03	+ 14.74	6.90	- 18.29	42.07	+ 3.55	0.001
	Colac	147	42.86	+ 15.91	9.52	- 6.79	47.26	- 9.12	0.012
Trust in Local	NR group								
Council	Corio Norlane	541	36.60	+ 1.30	18.11	+ 6.73	45.29	- 8.03	0.003
Council	Colac	259	28.96	- 0.48	19.69	+ 9.13	51.35	- 8.65	0.011

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Comparison group Corio Norlane 145 48.28 + 16.85 4.14 - 23.72 47.59 + 6.87 0.001 - 4.30 Colac 146 37.67 - 19.27 9.59 52.74 + 23.57 0.001 NR group Corio Norlane 578 54.33 - 6.46 11.76 + 4.81 33.91 + 1.65 0.009 I can trust most Colac 293 59.73 - 9.72 16.04 + 11.87 24.23 - 2.16 0.001 people in this Comparison area, most of group the time Corio Norlane 150 92.67 + 5.17 2.00 - 2.86 5.33 - 2.31 0.274 Colac 150 93.33 - 1.84 0.00 - 3.54 6.67 + 5.29 0.006 NR group Corio Norlane 572 66.08 - 3.57 9.62 + 2.97 24.30 + 0.60 0.162 Neighbours 290 64.14 - 10.95 + 5.15 23.45 + 5.80 0.013 Colac 12.41 around here Comparison look out for one group another - 7.03 0.025 Corio Norlane 150 88.67 +4.642.00 9.33 + 2.39 Colac 149 91.28 + 2.46 1.34 - 5.65 7.38 + 3.19 0.030 NR group Corio Norlane 542 34.32 + 3.92 18.08 + 4.95 47.60 - 8.87 0.008 273 34.80 - 12.39 20.15 + 5.91 45.05 + 6.48 0.010 This is a strong Colac community Comparison where people group have a lot in < common Corio Norlane 145 71.72 + 9.50 5.52 - 16.70 22.76 + 7.20 0.001 Colac 148 81.08 + 11.36 3.38 - 15.64 15.54 + 4.27 0.001

Table 4: Respondents' level of agreement with statements relating to hope, influence and control over the future

over the lattace									
			Agree Neither				Disagre	e	
				% 2009	-	% 2009 -		% 2009 - <i>p</i> -	
		n	% 2009	% 2004/5	% 2009	% 2004/5	% 2009	% 2004/5	value
D	NR group								
By working	Corio Norlane	580	90.00	- 2.43	5.34	+ 3.62	4.66	- 1.20	0.003
together people									<
could improve	Colac	292	78.77	- 12.55	15.75	+ 9.50	5.48	+ 3.05	0.001
this	Comparison								
neighbourhood and influence	group								
decisions	Corio Norlane	150	89.33	- 2.39	0.67	- 4.16	10.00	+ 6.55	0.009
uecisions	Colac	148	94.59	- 0.61	0.68	- 2.75	4.73	+ 3.36	0.066
	NR group								
Dec. In also in a	Corio Norlane	587	94.55	+ 0.07	3.41	+ 0.16	2.04	- 0.86	0.632
By helping	Colac	297	82.83	- 5.83	13.13	+ 6.95	4.04	- 1.11	0.016
others, you help	Comparison								
yourself in the long run	group								
	Corio Norlane	-	-	-	-	-	-	-	-
	Colac	-	-	-	-	-	-	-	-

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People in this neighbourhood have a lot of different resources and	NR group Corio Norlane Colac Comparison group	524 264	59.54 61.36	- 4.83 - 5.43	16.22 15.53	+ 5.49 + 3.67	24.24 23.11	- 0.66 + 1.76	0.036 0.360
abilities	Corio Norlane	-	-	-	-	-	-	-	-
	Colac	-	-	-	-	-	-	-	-
	NR group								
I feel I have some influence	Corio Norlane	550	22.18	+ 5.45	23.09	+ 11.27	54.73	- 16.73	< 0.001 <
and control over decisions made in this	Colac Comparison group	289	16.96	- 4.91	28.37	+ 13.32	54.67	- 8.41	0.001
community	Corio Norlane	148	36.49	+ 4.98	8.78	- 13.13	54.73	+ 8.15	0.008
	Colac	146	52.74	+ 12.60	7.53	- 12.89	39.73	+ 0.29	0.004

Table 5: Respondents' level of agreement with statements about belonging and frequency of participation

			Agree		Neither		Disagre	e		
						% 2009 -	-	% 2009	- p-	
		n	% 2009	% 2004/5	% 2009	% 2004/5	% 2009	% 2004/5	value	
	NR group									
	Corio Norlane	586	82.94	+ 5.76	5.80	+ 1.20	11.26	- 6.97	0.003	
I know quite a few people in	Colac	299	78.60	- 4.96	8.03	+ 4.34	13.38	+ 0.63	0.071	
	Comparison									
the neigh'hood	group									
	Corio Norlane	150	76.00	- 1.40	1.33	- 6.20	22.67	+ 7.60	0.013	
	Colac	150	88.00	+ 4.44	0.00	- 4.79	12.00	+ 0.36	0.025	
	NR group									
									<	
	Corio Norlane	571	59.72	- 0.21	19.09	+ 7.86	21.19	- 7.65	0.001	
I feel a sense of belonging to this community									<	
	Colac	288	51.04	- 15.04	27.08	+ 12.05	21.88	+ 2.99	0.001	
	Comparison									
	group									
	Corio Norlane	150	82.00	+ 3.92	4.67	- 5.61	13.33	+ 1.69	0.179	
	Colac	150	91.33	+ 6.87	0.67	- 9.47	8.00	+ 2.59	0.001	
	NR group									
Many of my									<	
family and	Corio Norlane	581	71.43	+ 6.17	9.47	+ 3.20	19.10	- 9.37	0.001	
friends live in	Colac	300	75.33	+ 3.67	9.33	+ 2.67	15.33	- 6.33	0.088	
this	Comparison									
neighb'hood	group									
neighb hood	Corio Norlane	-	-	-	-	-	-	-	-	
	Colac	-	-	-	-	-	-	-	-	
	NR group									
I feel generally	Corio Norlane	531	44.63	+ 2.47	24.86	+ 6.58	30.51	- 9.04	0.003	
valued by the	Colac	272	37.87	- 8.41	31.25	+ 9.29	30.88	- 0.88	0.039	
community	Comparison									
community	group									
	Corio Norlane	147	68.71	+ 10.26	10.20	- 16.56	21.09	+ 6.30	0.001	
	_ corio noriane	14/	08.71	+ 10.26	10.20	- 10.36	21.09	+ 0.30	0.001	

									<
	Colac	146	86.99	+ 14.96	1.37	- 18.91	11.64	+ 3.95	0.001
			Often	٥/ ٥٥٥٥	A few t		Not at a		
			0/ 2000	% 2009 % 2004/F		% 2009 % 2004/F		% 2009 -	•
		n	% 2009	% 2004/5	% 2009	% 2004/5	% 2009	% 2004/5	value
	NR group Corio Norlane	586	20.82	+ 1.36	15.36	- 0.72	63.82	- 0.64	0.825
	Colac	297	12.46	+ 1.35	13.47	+ 0.67	74.07	- 0.04 - 2.02	0.835
Voluntary work	Comparison	237	12.40	+ 1.55	13.47	+ 0.07	74.07	- 2.02	0.633
voluntary work	group								
	Corio Norlane	150	19.33	+ 2.44	20.00	+ 3.78	60.67	- 6.23	0.526
	Colac	150	28.67	+ 7.05	23.33	+ 2.39	48.00	- 9.43	0.232
	NR group	130	20.07	7.03	23.33	. 2.55	10.00	3.13	0.232
	Corio Norlane	594	47.98	+ 1.93	42.76	+ 1.25	9.26	- 3.18	0.211
	Colac	299	46.82	+ 1.49	44.15	- 1.19	9.03	- 0.30	0.935
Visited friends	Comparison		10.02	. 1.13	11.13	1.13	3.03	0.50	0.555
locally	group	_	_	_	_	_	_	-	_
	Corio Norlane	_	_	-	_	_	_	-	_
	Colac								
	NR group								
	Corio Norlane	590	47.46	- 1.70	41.69	+ 2.60	10.85	- 0.90	0.642
	Colac	298	45.97	- 5.20	40.60	+ 1.81	13.42	+ 3.39	0.299
Spoken to your neighbour									
	Comparison								
	group								
	Corio Norlane	150	58.67	- 3.66	33.33	+ 1.83	8.00	+ 1.84	0.744
	Colac	150	61.33	- 1.86	33.33	+ 2.78	5.33	- 0.92	0.850
	NR group								
	Corio Norlane	591	26.06	+ 3.42	20.47	- 1.49	53.47	- 1.94	0.380
Taken part in a	Colac	297	27.61	+ 4.38	15.82	- 6.06	56.57	+ 1.68	0.130
church, sporting	Comparison								
or social club	group								
	Corio Norlane	150	35.33	- 2.50	22.00	- 0.30	42.67	+ 2.80	0.873
	Colac	150	45.33	- 1.96	22.00	- 1.65	32.67	+ 3.61	0.792
	NR group	EOE	10.02	2.25	45.88	. 7 22	24.20	4 07	0.041
Been out to a	Corio Norlane Colac	595 299	19.83 26.09	- 2.35 + 2.09	45.88 41.47	+ 7.23 - 2.53	34.29 32.44	- 4.87 + 0.44	0.781
local café, pub		299	20.09	+ 2.09	41.47	- 2.33	32.44	+ 0.44	0.761
or show	group								
OI SHOW	Corio Norlane	150	29.33	- 2.42	50.67	- 4.74	20.00	+ 7.16	0.249
	Colac	150	35.33	+ 3.83	53.33	+ 4.02	11.33	- 7.84	0.169
	NR group		55.55	. 3.03	22.33				0.200
	Corio Norlane	591	13.87	- 2.51	27.07	- 0.80	59.05	+ 3.31	0.394
Minded a friend									<
or neighbour's	Colac	299	14.72	- 0.62	22.74	- 14.26	62.54	+ 14.88	0.001
child	Comparison								
	group	-	-	-	-	-	-	-	-
	Corio Norlane	-	-	-	-	-	-	-	-
	Colac								

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